APPENDIX A

CALEEMOD OUTPUT SHEETS

2036 Bancroft Way Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	2036 Bancroft Way
Construction Start Date	1/5/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.90
Precipitation (days)	44.2
Location	2036 Bancroft Way, Berkeley, CA 94704, USA
County	Alameda
City	Berkeley
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1529
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

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	87.0	Dwelling Unit	1.00	70,929	335	—	245	—

Enclosed Parking with Elevator	19.0	Space	0.00	9,414	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-6	Use Diesel Particulate Filters
Water	W-5	Design Water-Efficient Landscapes

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	33.4	13.2	10.7	0.02	0.38	2.18	2.55	0.35	1.03	1.37	—	2,154	2,154	0.08	0.07	2,181
Mit.	33.4	13.2	10.7	0.02	0.06	2.18	2.24	0.06	1.03	1.08	—	2,154	2,154	0.08	0.07	2,181
% Reduced	—	—	—	—	84%	—	12%	84%	—	21%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.55	13.2	10.4	0.02	0.38	2.18	2.55	0.35	1.03	1.37	—	2,113	2,113	0.08	0.10	2,138
Mit.	0.55	13.2	10.4	0.02	0.06	2.18	2.24	0.06	1.03	1.08	—	2,113	2,113	0.08	0.10	2,138
% Reduced	—	—	—	—	84%	—	12%	84%	—	21%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.87	7.76	6.81	0.01	0.26	0.55	0.81	0.24	0.17	0.41	—	1,394	1,394	0.05	0.05	1,411

Mit.	2.87	7.76	6.81	0.01	0.04	0.55	0.60	0.04	0.17	0.21	—	1,394	1,394	0.05	0.05	1,411
% Reduced	—	—	—	—	84%	—	27%	84%	—	49%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.52	1.42	1.24	< 0.005	0.05	0.10	0.15	0.04	0.03	0.08	—	231	231	0.01	0.01	234
Mit.	0.52	1.42	1.24	< 0.005	0.01	0.10	0.11	0.01	0.03	0.04	—	231	231	0.01	0.01	234
% Reduced	—	—	—	—	84%	—	27%	84%	—	49%	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.55	13.2	10.7	0.02	0.38	2.18	2.55	0.35	1.03	1.37	—	2,154	2,154	0.08	0.07	2,181
2027	33.4	11.3	10.5	0.01	0.38	0.63	1.01	0.35	0.15	0.50	—	2,138	2,138	0.07	0.07	2,164
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.55	13.2	10.4	0.02	0.38	2.18	2.55	0.35	1.03	1.37	—	2,113	2,113	0.08	0.10	2,138
2027	0.54	11.3	10.2	0.01	0.38	0.63	1.01	0.35	0.15	0.50	—	2,098	2,098	0.08	0.08	2,123
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.35	7.76	6.81	0.01	0.26	0.55	0.81	0.24	0.17	0.41	—	1,394	1,394	0.05	0.05	1,411
2027	2.87	2.76	2.50	< 0.005	0.10	0.14	0.24	0.09	0.03	0.13	—	505	505	0.02	0.02	511
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.06	1.42	1.24	< 0.005	0.05	0.10	0.15	0.04	0.03	0.08	—	231	231	0.01	0.01	234
2027	0.52	0.50	0.46	< 0.005	0.02	0.03	0.04	0.02	0.01	0.02	—	83.7	83.7	< 0.005	< 0.005	84.6

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	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.55	13.2	10.7	0.02	0.06	2.18	2.24	0.06	1.03	1.08	—	2,154	2,154	0.08	0.07	2,181
2027	33.4	11.3	10.5	0.01	0.06	0.63	0.69	0.06	0.15	0.21	—	2,138	2,138	0.07	0.07	2,164
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.55	13.2	10.4	0.02	0.06	2.18	2.24	0.06	1.03	1.08	—	2,113	2,113	0.08	0.10	2,138
2027	0.54	11.3	10.2	0.01	0.06	0.63	0.69	0.06	0.15	0.21	—	2,098	2,098	0.08	0.08	2,123
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.35	7.76	6.81	0.01	0.04	0.55	0.60	0.04	0.17	0.21	—	1,394	1,394	0.05	0.05	1,411
2027	2.87	2.76	2.50	< 0.005	0.02	0.14	0.15	0.01	0.03	0.05	—	505	505	0.02	0.02	511
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.06	1.42	1.24	< 0.005	0.01	0.10	0.11	0.01	0.03	0.04	—	231	231	0.01	0.01	234
2027	0.52	0.50	0.46	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83.7	83.7	< 0.005	< 0.005	84.6

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	7.10	5.63	0.01	0.30	—	0.30	0.28	—	0.28	—	852	852	0.03	0.01	855
Demolition	—	—	—	—	—	0.45	0.45	—	0.07	0.07	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.58	0.46	< 0.005	0.03	—	0.03	0.02	—	0.02	—	70.0	70.0	< 0.005	< 0.005	70.3
Demolition	—	—	—	—	—	0.04	0.04	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.11	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	11.6
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.32	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	78.8	78.8	< 0.005	< 0.005	79.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.68	0.26	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	537	537	0.03	0.08	563

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.52	6.52	< 0.005	< 0.005	6.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.1	44.1	< 0.005	0.01	46.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	1.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.31	7.31	< 0.005	< 0.005	7.67

3.2. Demolition (2026) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	7.10	5.63	0.01	0.05	—	0.05	0.04	—	0.04	—	852	852	0.03	0.01	855
Demolition	—	—	—	—	—	0.45	0.45	—	0.07	0.07	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.58	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	70.0	70.0	< 0.005	< 0.005	70.3
Demolition	—	—	—	—	—	0.04	0.04	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.11	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	11.6
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.32	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	78.8	78.8	< 0.005	< 0.005	79.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.68	0.26	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	537	537	0.03	0.08	563
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.52	6.52	< 0.005	< 0.005	6.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.1	44.1	< 0.005	0.01	46.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	1.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.31	7.31	< 0.005	< 0.005	7.67

3.3. Site Preparation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	7.05	5.99	0.01	0.24	—	0.24	0.23	—	0.23	—	858	858	0.03	0.01	861
Dust From Material Movement	—	—	—	—	—	0.21	0.21	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.5	23.5	< 0.005	< 0.005	23.6
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.89	3.89	< 0.005	< 0.005	3.91
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.4	39.4	< 0.005	< 0.005	40.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.09	1.09	< 0.005	< 0.005	1.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	0.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2026) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	7.05	5.99	0.01	0.04	—	0.04	0.03	—	0.03	—	858	858	0.03	0.01	861

Dust From Material Movement	—	—	—	—	—	0.21	0.21	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.19	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.5	23.5	< 0.005	< 0.005	23.6
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.89	3.89	< 0.005	< 0.005	3.91
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.4	39.4	< 0.005	< 0.005	40.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.09	1.09	< 0.005	< 0.005	1.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	0.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	13.0	9.79	0.02	0.37	—	0.37	0.34	—	0.34	—	1,714	1,714	0.07	0.01	1,720
Dust From Material Movement	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	13.0	9.79	0.02	0.37	—	0.37	0.34	—	0.34	—	1,714	1,714	0.07	0.01	1,720

Dust From Material Movement	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	1.07	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	141	141	0.01	< 0.005	141
Dust From Material Movement	—	—	—	—	—	0.17	0.17	—	0.08	0.08	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.19	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.3	23.3	< 0.005	< 0.005	23.4
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	63.7	63.7	< 0.005	< 0.005	64.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.20	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	167	167	0.01	0.03	176
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.24	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	59.1	59.1	< 0.005	< 0.005	59.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.21	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	168	168	0.01	0.03	176
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.89	4.89	< 0.005	< 0.005	4.96
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	14.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	0.82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.28	2.28	< 0.005	< 0.005	2.39

3.6. Grading (2026) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	13.0	9.79	0.02	0.06	—	0.06	0.05	—	0.05	—	1,714	1,714	0.07	0.01	1,720
Dust From Material Movement	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.38	13.0	9.79	0.02	0.06	—	0.06	0.05	—	0.05	—	1,714	1,714	0.07	0.01	1,720
Dust From Material Movement	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	1.07	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	141	141	0.01	< 0.005	141
Dust From Material Movement	—	—	—	—	—	0.17	0.17	—	0.08	0.08	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.19	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.3	23.3	< 0.005	< 0.005	23.4
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	63.7	63.7	< 0.005	< 0.005	64.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.20	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	167	167	0.01	0.03	176

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.24	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	59.1	59.1	< 0.005	< 0.005	59.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.21	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	168	168	0.01	0.03	176
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.89	4.89	< 0.005	< 0.005	4.96
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	14.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	0.82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.28	2.28	< 0.005	< 0.005	2.39

3.7. Building Construction (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	10.8	8.10	0.01	0.38	—	0.38	0.35	—	0.35	—	1,304	1,304	0.05	0.01	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	10.8	8.10	0.01	0.38	—	0.38	0.35	—	0.35	—	1,304	1,304	0.05	0.01	1,309

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	5.57	4.17	0.01	0.19	—	0.19	0.18	—	0.18	—	671	671	0.03	0.01	674
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	1.02	0.76	< 0.005	0.04	—	0.04	0.03	—	0.03	—	111	111	< 0.005	< 0.005	112
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.14	2.41	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	566	566	0.01	0.02	575
Vendor	0.01	0.34	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	284	284	0.01	0.04	297
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	2.12	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	525	525	0.01	0.02	532
Vendor	0.01	0.36	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	284	284	0.01	0.04	297
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	1.06	0.00	0.00	0.28	0.28	0.00	0.06	0.06	—	272	272	0.01	0.01	276
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	146	146	0.01	0.02	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	45.0	45.0	< 0.005	< 0.005	45.7
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.2	24.2	< 0.005	< 0.005	25.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2026) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	10.8	8.10	0.01	0.06	—	0.06	0.05	—	0.05	—	1,304	1,304	0.05	0.01	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	10.8	8.10	0.01	0.06	—	0.06	0.05	—	0.05	—	1,304	1,304	0.05	0.01	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	5.57	4.17	0.01	0.03	—	0.03	0.03	—	0.03	—	671	671	0.03	0.01	674
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	1.02	0.76	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	111	111	< 0.005	< 0.005	112
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.14	2.41	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	566	566	0.01	0.02	575
Vendor	0.01	0.34	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	284	284	0.01	0.04	297
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	2.12	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	525	525	0.01	0.02	532
Vendor	0.01	0.36	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	284	284	0.01	0.04	297
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	1.06	0.00	0.00	0.28	0.28	0.00	0.06	0.06	—	272	272	0.01	0.01	276
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	146	146	0.01	0.02	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	45.0	45.0	< 0.005	< 0.005	45.7
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.2	24.2	< 0.005	< 0.005	25.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2027) - Unmitigated

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

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

Off-Road Equipment	0.34	10.8	8.10	0.01	0.38	—	0.38	0.35	—	0.35	—	1,304	1,304	0.05	0.01	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	10.8	8.10	0.01	0.38	—	0.38	0.35	—	0.35	—	1,304	1,304	0.05	0.01	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.10	1.57	< 0.005	0.07	—	0.07	0.07	—	0.07	—	253	253	0.01	< 0.005	254
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.38	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.8	41.8	< 0.005	< 0.005	42.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.12	2.25	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	555	555	0.01	0.02	564
Vendor	0.01	0.33	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	278	278	0.01	0.04	292
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	1.99	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	515	515	0.01	0.02	522
Vendor	0.01	0.35	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	279	279	0.01	0.04	291

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.37	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	100	100	< 0.005	< 0.005	102
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	53.9	53.9	< 0.005	0.01	56.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.6	16.6	< 0.005	< 0.005	16.9
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.93	8.93	< 0.005	< 0.005	9.35
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2027) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	10.8	8.10	0.01	0.06	—	0.06	0.05	—	0.05	—	1,304	1,304	0.05	0.01	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	10.8	8.10	0.01	0.06	—	0.06	0.05	—	0.05	—	1,304	1,304	0.05	0.01	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	2.10	1.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	253	253	0.01	< 0.005	254
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.38	0.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.8	41.8	< 0.005	< 0.005	42.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.12	2.25	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	555	555	0.01	0.02	564
Vendor	0.01	0.33	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	278	278	0.01	0.04	292
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	1.99	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	515	515	0.01	0.02	522
Vendor	0.01	0.35	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	279	279	0.01	0.04	291
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.37	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	100	100	< 0.005	< 0.005	102
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	53.9	53.9	< 0.005	0.01	56.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.6	16.6	< 0.005	< 0.005	16.9
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.93	8.93	< 0.005	< 0.005	9.35
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	5.75	4.58	0.01	0.25	—	0.25	0.24	—	0.24	—	823	823	0.03	0.01	826
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.47	0.38	< 0.005	0.02	—	0.02	0.02	—	0.02	—	67.6	67.6	< 0.005	< 0.005	67.9
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.09	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.2	11.2	< 0.005	< 0.005	11.2
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.59	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	146	146	< 0.005	0.01	148

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	11.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.85	1.85	< 0.005	< 0.005	1.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2027) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	5.75	4.58	0.01	0.04	—	0.04	0.04	—	0.04	—	823	823	0.03	0.01	826
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.47	0.38	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	67.6	67.6	< 0.005	< 0.005	67.9
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.09	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.2	11.2	< 0.005	< 0.005	11.2
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.59	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	146	146	< 0.005	0.01	148
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	11.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.85	1.85	< 0.005	< 0.005	1.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectural Coatings	33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	11.0	11.0	< 0.005	< 0.005	11.0
Architectural Coatings	2.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.82	1.82	< 0.005	< 0.005	1.82
Architectural Coatings	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.45	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	113
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.53	8.53	< 0.005	< 0.005	8.65
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.41	1.41	< 0.005	< 0.005	1.43
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2027) - 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	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	33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.09	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	11.0
Architectural Coatings	2.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.82	1.82	< 0.005	< 0.005	1.82
Architectural Coatings	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.45	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	113
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.53	8.53	< 0.005	< 0.005	8.65

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.41	1.41	< 0.005	< 0.005	1.43
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	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	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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequeste	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1/5/2026	2/13/2026	5.00	30.0	—
Site Preparation	Site Preparation	2/16/2026	2/27/2026	5.00	10.0	—
Grading	Grading	3/2/2026	4/10/2026	5.00	30.0	—
Building Construction	Building Construction	4/13/2026	4/9/2027	5.00	260	—
Paving	Paving	4/12/2027	5/21/2027	5.00	30.0	—
Architectural Coating	Architectural Coating	5/24/2027	7/2/2027	5.00	30.0	—

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	Rubber Tired Dozers	Diesel	Tier 2	1.00	1.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00	6.00	84.0	0.37
Site Preparation	Graders	Diesel	Tier 2	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 2	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 2	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 2	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Tier 2	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 2	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Tier 2	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	7.00	84.0	0.37
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	Rubber Tired Dozers	Diesel	Tier 2	1.00	1.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00	6.00	84.0	0.37
Site Preparation	Graders	Diesel	Tier 2	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 2	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 2	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 2	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Tier 2	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 2	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Tier 2	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	7.00	84.0	0.37
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	10.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	7.80	20.0	HHDT

Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	5.00	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	7.50	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	2.43	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	66.6	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	10.8	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	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	13.3	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	10.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	7.80	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	5.00	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	7.50	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	2.43	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	66.6	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	10.8	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	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	13.3	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	143,631	47,877	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	936	—
Site Preparation	—	—	5.00	0.00	—
Grading	—	577	22.5	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	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
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005

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	The proposed project would then construct a new 8-story, approximately 80,343-square-foot residential building consisting of 70,929 square feet of residential space and 87 for-rent dwelling units. The proposed project would also provide a parking garage, with 19 vehicle parking spaces within a vehicle stacking system.
Construction: Construction Phases	Construction of the proposed project would occur over an approximately 18- to 20-month period.
Construction: Off-Road Equipment	Assuming default construction equipment and use of Tier 2 construction equipment consistent with the City's COA - Air Quality - Diesel Particulate Matter Controls During Construction.
Operations: Hearths	The proposed project would be all-electric and would not include any natural gas.
Operations: Energy Use	The proposed project would be all-electric and would not include any natural gas.

APPENDIX B

CONSTRUCTION HRA

Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 536 X: 564301.89 Y: 4191346.44			
T2	T2L3	T4i	T4f
53.84	8.58	5.34	4.07
MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 536 X: 564301.89 Y: 4191346.44			
T2	T2L3	T4i	T4f
1.34E-03	2.15E-04	1.27E-04	1.05E-04
MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4i	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Sensitive) - PM 2.5 HARP Rec #: 536 X: 564301.89 Y: 4191346.44			
T2	T2L3	T4i	T4f
0.263	0.042	0.025	0.021

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 1703 X: 564355.26 Y: 4191330.45			
T2	T2L3	T4i	T4f
4.12	0.66	0.41	0.31
MEI (Worker) - Chronic Hazard Index HARP Rec #: 1703 X: 564355.26 Y: 4191330.45			
T2	T2L3	T4i	T4f
2.30E-01	3.69E-02	2.18E-02	1.81E-02
MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4i	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Worker) - PM 2.5 HARP Rec #: 1703 X: 564355.26 Y: 4191330.45			
T2	T2L3	T4i	T4f
1.151	0.185	0.109	0.090

Construction MEI (School) - Cancer Risk (in a Million) HARP Rec #: 1162 X: 564171.97 Y: 4191412.66			
T2	T2L3	T4i	T4f
0.48	0.08	0.05	0.04
MEI (School) - Chronic Hazard Index HARP Rec #: 1162 X: 564171.97 Y: 4191412.66			
T2	T2L3	T4i	T4f
2.43E-03	3.90E-04	1.05E-04	1.90E-04
MEI (School) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4i	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (School) - PM 2.5 HARP Rec #: 1162 X: 564171.97 Y: 4191412.66			
T2	T2L3	T4i	T4f
0.0121	0.0019	0.0014	0.0008

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	564301.89	4191346.44	37.86732498	-122.26893
Construction	Sensitive	Chronic HI	564301.89	4191346.44	37.86732498	-122.26893
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	564301.89	4191346.44	37.86732498	-122.26893
Construction	School	Cancer Risk	564171.97	4191412.66	37.86793094	-122.2704011
Construction	School	Chronic HI	564171.97	4191412.66	37.86793094	-122.2704011
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	564171.97	4191412.66	37.86793094	-122.2704011
Construction	Worker	Cancer Risk	564355.26	4191330.45	37.8671771	-122.2683247
Construction	Worker	Chronic HI	564355.26	4191330.45	37.8671771	-122.2683247
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	564355.26	4191330.45	37.8671771	-122.2683247

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM available**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**310**
	Grid 2		
	Grid 3		
	Grid 4		
	Comments	**Receptors on roads or paring lot areas have been removed.**	
Meteorological Dataset			
	Location	**OAKLAND/WSO AP**	
	Provided By	**Bay Area AQMD**	
	Years	**2013 - 2017**	
	Elevation (m)	**1**	
	Link		
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**Alameda**	
	Urban Grouping / Pop	**Y**	**767,968**
	# of Worker Receptors	**2,015**	
	# of Sensitive Receptors		
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**1160.8**	
	Ht. of Source (m)	**3.048**	

General HARP Input Parameters		
Construction		
School Receptors		
School Scenario Parameters		
	Class Grade	**K-12**
	Starting Age	**4**
	Age Range	**4 Year Old - 5 Years Old**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
School Pathway Parameters		
	Pathways	**BAAQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 1 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**BAAQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**

	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

			T2		540	T2L3			T4i			T4f		
					5.38E-05			8.58E-06			5.34E-06			4.07E-06
					4191346.44									
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	564348.44	4191310.91	1.10E-04	3.90E-05	1.49E-04	1.76E-05	6.11E-06	2.37E-05	1.04E-05	4.37E-06	1.48E-05	8.60E-06	2.65E-06	1.13E-05
2	564338.61	4191309.25	7.04E-05	2.50E-05	9.54E-05	1.13E-05	3.92E-06	1.52E-05	6.67E-06	2.81E-06	9.47E-06	5.52E-06	1.70E-06	7.22E-06
3	564328.78	4191307.59	3.61E-05	1.28E-05	4.89E-05	5.79E-06	2.01E-06	7.80E-06	3.42E-06	1.44E-06	4.86E-06	2.83E-06	8.72E-07	3.70E-06
4	564318.95	4191305.93	2.06E-05	7.31E-06	2.79E-05	3.30E-06	1.15E-06	4.45E-06	1.95E-06	8.20E-07	2.77E-06	1.61E-06	4.97E-07	2.11E-06
5	564356.59	4191305.12	9.70E-05	3.45E-05	1.32E-04	1.56E-05	5.40E-06	2.10E-05	9.19E-06	3.87E-06	1.31E-05	7.61E-06	2.34E-06	9.96E-06
6	564364.78	4191316.67	1.38E-04	4.91E-05	1.87E-04	2.21E-05	7.69E-06	2.98E-05	1.31E-05	5.50E-06	1.86E-05	1.08E-05	3.33E-06	1.42E-05
7	564340.27	4191299.39	5.05E-05	1.80E-05	6.85E-05	8.10E-06	2.81E-06	1.09E-05	4.78E-06	2.01E-06	6.80E-06	3.96E-06	1.22E-06	5.18E-06
8	564330.44	4191297.73	3.07E-05	1.09E-05	4.17E-05	4.93E-06	1.71E-06	6.64E-06	2.91E-06	1.23E-06	4.13E-06	2.41E-06	7.42E-07	3.15E-06
9	564320.61	4191296.07	1.83E-05	6.52E-06	2.49E-05	2.94E-06	1.02E-06	3.96E-06	1.74E-06	7.31E-07	2.47E-06	1.44E-06	4.43E-07	1.88E-06
10	564358.26	4191295.26	5.96E-05	2.12E-05	8.08E-05	9.56E-06	3.32E-06	1.29E-05	5.64E-06	2.38E-06	8.02E-06	4.67E-06	1.44E-06	6.11E-06
11	564372.94	4191310.89	1.07E-04	3.81E-05	1.45E-04	1.72E-05	5.97E-06	2.32E-05	1.02E-05	4.28E-06	1.44E-05	8.42E-06	2.59E-06	1.10E-05
12	564341.94	4191289.53	3.48E-05	1.24E-05	4.72E-05	5.58E-06	1.94E-06	7.52E-06	3.30E-06	1.39E-06	4.68E-06	2.73E-06	8.40E-07	3.57E-06
13	564332.11	4191287.87	2.42E-05	8.61E-06	3.28E-05	3.89E-06	1.35E-06	5.23E-06	2.29E-06	9.66E-07	3.26E-06	1.90E-06	5.85E-07	2.48E-06
14	564322.28	4191286.21	1.57E-05	5.59E-06	2.13E-05	2.52E-06	8.75E-07	3.40E-06	1.49E-06	6.27E-07	2.11E-06	1.23E-06	3.79E-07	1.61E-06
15	564359.92	4191285.4	3.82E-05	1.36E-05	5.17E-05	6.12E-06	2.12E-06	8.25E-06	3.61E-06	1.52E-06	5.13E-06	2.99E-06	9.21E-07	3.91E-06
16	564372.91	4191293.55	5.72E-05	2.03E-05	7.75E-05	9.18E-06	3.19E-06	1.24E-05	5.42E-06	2.28E-06	7.70E-06	4.49E-06	1.38E-06	5.87E-06
17	564381.1	4191305.1	8.00E-05	2.84E-05	1.08E-04	1.28E-05	4.45E-06	1.73E-05	7.57E-06	3.19E-06	1.08E-05	6.27E-06	1.93E-06	8.20E-06
18	564384.5	4191320.05	8.25E-05	2.93E-05	1.12E-04	1.32E-05	4.59E-06	1.78E-05	7.81E-06	3.29E-06	1.11E-05	6.47E-06	1.99E-06	8.47E-06
19	564343.6	4191279.67	2.50E-05	8.89E-06	3.39E-05	4.01E-06	1.39E-06	5.41E-06	2.37E-06	9.97E-07	3.37E-06	1.96E-06	6.04E-07	2.57E-06
20	564333.77	4191278.01	1.89E-05	6.73E-06	2.57E-05	3.04E-06	1.05E-06	4.09E-06	1.79E-06	7.55E-07	2.55E-06	1.48E-06	4.57E-07	1.94E-06
21	564323.94	4191276.35	1.33E-05	4.72E-06	1.80E-05	2.13E-06	7.40E-07	2.87E-06	1.26E-06	5.30E-07	1.79E-06	1.04E-06	3.21E-07	1.36E-06
22	564379.44	4191286.75	4.26E-05	1.51E-05	5.77E-05	6.83E-06	2.37E-06	9.20E-06	4.03E-06	1.70E-06	5.73E-06	3.34E-06	1.03E-06	4.37E-06
23	564356.76	4191261.61	1.66E-05	5.89E-06	2.25E-05	2.66E-06	9.23E-07	3.58E-06	1.57E-06	6.61E-07	2.23E-06	1.30E-06	4.00E-07	1.70E-06
24	564346.93	4191259.95	1.46E-05	5.19E-06	1.98E-05	2.34E-06	8.13E-07	3.16E-06	1.38E-06	5.82E-07	1.96E-06	1.15E-06	3.53E-07	1.50E-06
25	564337.1	4191258.29	1.21E-05	4.31E-06	1.65E-05	1.95E-06	6.76E-07	2.62E-06	1.15E-06	4.84E-07	1.63E-06	9.52E-07	2.93E-07	1.25E-06
26	564327.27	4191256.63	9.49E-06	3.37E-06	1.29E-05	1.52E-06	5.28E-07	2.05E-06	8.98E-07	3.78E-07	1.28E-06	7.45E-07	2.29E-07	9.74E-07
27	564366	4191256.5	1.51E-05	5.36E-06	2.04E-05	2.42E-06	8.39E-07	3.26E-06	1.43E-06	6.01E-07	2.03E-06	1.18E-06	3.64E-07	1.55E-06
28	564381.15	4191266.01	2.03E-05	7.20E-06	2.75E-05	3.25E-06	1.13E-06	4.38E-06	1.92E-06	8.08E-07	2.73E-06	1.59E-06	4.89E-07	2.08E-06
29	564348.6	4191250.09	1.17E-05	4.15E-06	1.58E-05	1.88E-06	6.51E-07	2.53E-06	1.11E-06	4.66E-07	1.57E-06	9.17E-07	2.82E-07	1.20E-06
30	564338.77	4191248.43	9.94E-06	3.53E-06	1.35E-05	1.59E-06	5.53E-07	2.15E-06	9.41E-07	3.96E-07	1.34E-06	7.80E-07	2.40E-07	1.02E-06
31	564328.94	4191246.77	8.09E-06	2.87E-06	1.10E-05	1.30E-06	4.50E-07	1.75E-06	7.65E-07	3.22E-07	1.09E-06	6.34E-07	1.95E-07	8.29E-07
32	564367.51	4191246.54	1.19E-05	4.25E-06	1.62E-05	1.92E-06	6.65E-07	2.58E-06	1.13E-06	4.76E-07	1.61E-06	9.37E-07	2.88E-07	1.23E-06
33	564382.35	4191255.86	1.52E-05	5.39E-06	2.06E-05	2.43E-06	8.45E-07	3.28E-06	1.44E-06	6.05E-07	2.04E-06	1.19E-06	3.66E-07	1.56E-06
34	564350.26	4191240.23	9.52E-06	3.38E-06	1.29E-05	1.53E-06	5.30E-07	2.06E-06	9.02E-07	3.80E-07	1.28E-06	7.47E-07	2.30E-07	9.77E-07
35	564340.43	4191238.57	8.27E-06	2.94E-06	1.12E-05	1.33E-06	4.60E-07	1.79E-06	7.83E-07	3.30E-07	1.11E-06	6.49E-07	2.00E-07	8.48E-07
36	564330.6	4191236.91	6.95E-06	2.47E-06	9.41E-06	1.11E-06	3.87E-07	1.50E-06	6.58E-07	2.77E-07	9.34E-07	5.45E-07	1.68E-07	7.13E-07
37	564370.1	4191237.27	9.89E-06	3.51E-06	1.34E-05	1.59E-06	5.50E-07	2.14E-06	9.36E-07	3.94E-07	1.33E-06	7.76E-07	2.39E-07	1.01E-06
38	564378.45	4191242.51	1.11E-05	3.93E-06	1.50E-05	1.77E-06	6.16E-07	2.39E-06	1.05E-06	4.41E-07	1.49E-06	8.68E-07	2.67E-07	1.14E-06

39	564386.8	4191247.75	1.24E-05	4.41E-06	1.68E-05	1.99E-06	6.91E-07	2.68E-06	1.17E-06	4.95E-07	1.67E-06	9.74E-07	3.00E-07	1.27E-06
40	564431.11	4191316.75	2.49E-05	8.85E-06	3.38E-05	4.00E-06	1.39E-06	5.38E-06	2.36E-06	9.93E-07	3.35E-06	1.95E-06	6.01E-07	2.56E-06
41	564433.29	4191326.36	1.95E-05	6.92E-06	2.64E-05	3.12E-06	1.08E-06	4.21E-06	1.84E-06	7.77E-07	2.62E-06	1.53E-06	4.70E-07	2.00E-06
42	564361.76	4191232.03	8.69E-06	3.09E-06	1.18E-05	1.39E-06	4.84E-07	1.88E-06	8.23E-07	3.46E-07	1.17E-06	6.82E-07	2.10E-07	8.92E-07
43	564351.93	4191230.37	7.89E-06	2.80E-06	1.07E-05	1.27E-06	4.39E-07	1.71E-06	7.47E-07	3.15E-07	1.06E-06	6.19E-07	1.90E-07	8.10E-07
44	564342.1	4191228.71	6.99E-06	2.48E-06	9.47E-06	1.12E-06	3.89E-07	1.51E-06	6.61E-07	2.78E-07	9.40E-07	5.48E-07	1.69E-07	7.17E-07
45	564332.27	4191227.05	6.02E-06	2.14E-06	8.16E-06	9.66E-07	3.35E-07	1.30E-06	5.70E-07	2.40E-07	8.10E-07	4.72E-07	1.45E-07	6.18E-07
46	564371.54	4191227.26	8.21E-06	2.92E-06	1.11E-05	1.32E-06	4.57E-07	1.77E-06	7.77E-07	3.27E-07	1.10E-06	6.44E-07	1.98E-07	8.42E-07
47	564379.65	4191232.35	9.05E-06	3.21E-06	1.23E-05	1.45E-06	5.04E-07	1.95E-06	8.56E-07	3.61E-07	1.22E-06	7.10E-07	2.18E-07	9.28E-07
48	564387.76	4191237.45	9.92E-06	3.52E-06	1.34E-05	1.59E-06	5.52E-07	2.14E-06	9.39E-07	3.95E-07	1.33E-06	7.78E-07	2.39E-07	1.02E-06
49	564436.84	4191300.29	2.53E-05	9.01E-06	3.43E-05	4.07E-06	1.41E-06	5.48E-06	2.40E-06	1.01E-06	3.41E-06	1.99E-06	6.12E-07	2.60E-06
50	564438.96	4191309.63	2.32E-05	8.24E-06	3.14E-05	3.72E-06	1.29E-06	5.01E-06	2.20E-06	9.25E-07	3.12E-06	1.82E-06	5.60E-07	2.38E-06
51	564441.08	4191318.97	1.93E-05	6.85E-06	2.61E-05	3.09E-06	1.07E-06	4.16E-06	1.82E-06	7.68E-07	2.59E-06	1.51E-06	4.65E-07	1.98E-06
52	564443.21	4191328.32	1.49E-05	5.30E-06	2.02E-05	2.39E-06	8.31E-07	3.22E-06	1.41E-06	5.95E-07	2.01E-06	1.17E-06	3.60E-07	1.53E-06
53	564363.42	4191222.17	7.31E-06	2.60E-06	9.90E-06	1.17E-06	4.07E-07	1.58E-06	6.92E-07	2.91E-07	9.83E-07	5.73E-07	1.76E-07	7.50E-07
54	564353.59	4191220.51	6.68E-06	2.37E-06	9.06E-06	1.07E-06	3.72E-07	1.44E-06	6.33E-07	2.66E-07	8.99E-07	5.24E-07	1.61E-07	6.86E-07
55	564343.76	4191218.85	5.99E-06	2.13E-06	8.12E-06	9.61E-07	3.34E-07	1.29E-06	5.67E-07	2.39E-07	8.06E-07	4.70E-07	1.45E-07	6.15E-07
56	564333.93	4191217.19	5.24E-06	1.86E-06	7.10E-06	8.41E-07	2.92E-07	1.13E-06	4.96E-07	2.09E-07	7.05E-07	4.11E-07	1.26E-07	5.38E-07
57	564373.02	4191217.29	6.94E-06	2.47E-06	9.41E-06	1.11E-06	3.86E-07	1.50E-06	6.57E-07	2.77E-07	9.34E-07	5.45E-07	1.68E-07	7.12E-07
58	564380.95	4191222.27	7.57E-06	2.69E-06	1.03E-05	1.21E-06	4.22E-07	1.64E-06	7.17E-07	3.02E-07	1.02E-06	5.94E-07	1.83E-07	7.77E-07
59	564388.89	4191227.25	8.18E-06	2.91E-06	1.11E-05	1.31E-06	4.55E-07	1.77E-06	7.74E-07	3.26E-07	1.10E-06	6.42E-07	1.97E-07	8.39E-07
60	564438.57	4191266.27	1.58E-05	5.63E-06	2.15E-05	2.54E-06	8.82E-07	3.42E-06	1.50E-06	6.31E-07	2.13E-06	1.24E-06	3.82E-07	1.62E-06
61	564446.88	4191302.81	2.09E-05	7.43E-06	2.83E-05	3.36E-06	1.16E-06	4.52E-06	1.98E-06	8.34E-07	2.81E-06	1.64E-06	5.05E-07	2.15E-06
62	564448.96	4191311.94	1.84E-05	6.52E-06	2.49E-05	2.94E-06	1.02E-06	3.97E-06	1.74E-06	7.32E-07	2.47E-06	1.44E-06	4.43E-07	1.88E-06
63	564451.04	4191321.08	1.49E-05	5.29E-06	2.02E-05	2.39E-06	8.28E-07	3.21E-06	1.41E-06	5.93E-07	2.00E-06	1.17E-06	3.59E-07	1.53E-06
64	564453.11	4191330.21	1.15E-05	4.10E-06	1.57E-05	1.85E-06	6.43E-07	2.50E-06	1.09E-06	4.60E-07	1.55E-06	9.06E-07	2.79E-07	1.18E-06
65	564365.09	4191212.31	6.25E-06	2.22E-06	8.47E-06	1.00E-06	3.48E-07	1.35E-06	5.92E-07	2.49E-07	8.41E-07	4.91E-07	1.51E-07	6.41E-07
66	564355.26	4191210.65	5.76E-06	2.05E-06	7.81E-06	9.25E-07	3.21E-07	1.25E-06	5.46E-07	2.30E-07	7.76E-07	4.52E-07	1.39E-07	5.91E-07
67	564345.43	4191208.99	5.21E-06	1.85E-06	7.06E-06	8.36E-07	2.90E-07	1.13E-06	4.93E-07	2.08E-07	7.01E-07	4.09E-07	1.26E-07	5.34E-07
68	564335.6	4191207.33	4.61E-06	1.64E-06	6.25E-06	7.39E-07	2.57E-07	9.96E-07	4.36E-07	1.84E-07	6.20E-07	3.62E-07	1.11E-07	4.73E-07
69	564374.54	4191207.34	5.95E-06	2.12E-06	8.07E-06	9.55E-07	3.31E-07	1.29E-06	5.64E-07	2.37E-07	8.01E-07	4.67E-07	1.44E-07	6.11E-07
70	564382.33	4191212.23	6.45E-06	2.29E-06	8.74E-06	1.03E-06	3.59E-07	1.39E-06	6.11E-07	2.57E-07	8.68E-07	5.06E-07	1.56E-07	6.62E-07
71	564390.12	4191217.12	6.90E-06	2.45E-06	9.35E-06	1.11E-06	3.84E-07	1.49E-06	6.53E-07	2.75E-07	9.28E-07	5.41E-07	1.67E-07	7.08E-07
72	564397.91	4191222.01	7.35E-06	2.61E-06	9.96E-06	1.18E-06	4.09E-07	1.59E-06	6.95E-07	2.93E-07	9.88E-07	5.76E-07	1.77E-07	7.54E-07
73	564436.86	4191246.46	1.09E-05	3.86E-06	1.47E-05	1.74E-06	6.05E-07	2.35E-06	1.03E-06	4.33E-07	1.46E-06	8.53E-07	2.62E-07	1.12E-06
74	564446.69	4191260.32	1.33E-05	4.74E-06	1.81E-05	2.14E-06	7.42E-07	2.88E-06	1.26E-06	5.31E-07	1.79E-06	1.05E-06	3.22E-07	1.37E-06
75	564448.73	4191269.29	1.53E-05	5.45E-06	2.08E-05	2.46E-06	8.53E-07	3.31E-06	1.45E-06	6.11E-07	2.06E-06	1.20E-06	3.70E-07	1.57E-06
76	564456.89	4191305.16	1.70E-05	6.04E-06	2.31E-05	2.73E-06	9.47E-07	3.68E-06	1.61E-06	6.78E-07	2.29E-06	1.33E-06	4.11E-07	1.75E-06
77	564458.93	4191314.13	1.45E-05	5.14E-06	1.96E-05	2.32E-06	8.05E-07	3.13E-06	1.37E-06	5.77E-07	1.95E-06	1.14E-06	3.49E-07	1.48E-06
78	564463.01	4191332.07	9.13E-06	3.24E-06	1.24E-05	1.46E-06	5.08E-07	1.97E-06	8.64E-07	3.64E-07	1.23E-06	7.16E-07	2.20E-07	9.37E-07
79	564366.75	4191202.45	5.42E-06	1.92E-06	7.34E-06	8.69E-07	3.01E-07	1.17E-06	5.13E-07	2.16E-07	7.29E-07	4.25E-07	1.31E-07	5.56E-07
80	564356.92	4191200.79	5.03E-06	1.79E-06	6.82E-06	8.07E-07	2.80E-07	1.09E-06	4.76E-07	2.00E-07	6.77E-07	3.95E-07	1.21E-07	5.16E-07

81	564347.09	4191199.13	4.58E-06	1.63E-06	6.21E-06	7.34E-07	2.55E-07	9.89E-07	4.33E-07	1.83E-07	6.16E-07	3.59E-07	1.11E-07	4.70E-07
82	564337.26	4191197.47	4.09E-06	1.45E-06	5.54E-06	6.56E-07	2.28E-07	8.83E-07	3.87E-07	1.63E-07	5.50E-07	3.21E-07	9.87E-08	4.19E-07
83	564376.86	4191197.88	5.21E-06	1.85E-06	7.06E-06	8.36E-07	2.90E-07	1.13E-06	4.93E-07	2.08E-07	7.01E-07	4.09E-07	1.26E-07	5.34E-07
84	564385.29	4191203.18	5.64E-06	2.01E-06	7.65E-06	9.06E-07	3.14E-07	1.22E-06	5.34E-07	2.25E-07	7.59E-07	4.43E-07	1.36E-07	5.79E-07
85	564393.73	4191208.48	6.02E-06	2.14E-06	8.16E-06	9.66E-07	3.35E-07	1.30E-06	5.70E-07	2.40E-07	8.10E-07	4.72E-07	1.45E-07	6.18E-07
86	564444.37	4191240.27	9.39E-06	3.34E-06	1.27E-05	1.51E-06	5.23E-07	2.03E-06	8.89E-07	3.74E-07	1.26E-06	7.37E-07	2.27E-07	9.64E-07
87	564455.02	4191255.28	1.15E-05	4.10E-06	1.56E-05	1.85E-06	6.42E-07	2.49E-06	1.09E-06	4.60E-07	1.55E-06	9.04E-07	2.78E-07	1.18E-06
88	564457.23	4191265	1.33E-05	4.72E-06	1.80E-05	2.13E-06	7.39E-07	2.87E-06	1.26E-06	5.29E-07	1.79E-06	1.04E-06	3.20E-07	1.36E-06
89	564459.44	4191274.71	1.50E-05	5.31E-06	2.03E-05	2.40E-06	8.32E-07	3.23E-06	1.42E-06	5.96E-07	2.01E-06	1.17E-06	3.61E-07	1.53E-06
90	564466.06	4191303.86	1.46E-05	5.17E-06	1.97E-05	2.34E-06	8.11E-07	3.15E-06	1.38E-06	5.81E-07	1.96E-06	1.14E-06	3.51E-07	1.49E-06
91	564468.27	4191313.58	1.22E-05	4.33E-06	1.65E-05	1.96E-06	6.79E-07	2.64E-06	1.15E-06	4.86E-07	1.64E-06	9.57E-07	2.94E-07	1.25E-06
92	564470.48	4191323.29	9.65E-06	3.43E-06	1.31E-05	1.55E-06	5.37E-07	2.08E-06	9.13E-07	3.85E-07	1.30E-06	7.57E-07	2.33E-07	9.90E-07
93	564472.69	4191333.01	7.53E-06	2.68E-06	1.02E-05	1.21E-06	4.19E-07	1.63E-06	7.13E-07	3.00E-07	1.01E-06	5.91E-07	1.82E-07	7.73E-07
94	564368.42	4191192.58	4.74E-06	1.68E-06	6.42E-06	7.60E-07	2.64E-07	1.02E-06	4.49E-07	1.89E-07	6.38E-07	3.72E-07	1.14E-07	4.86E-07
95	564358.59	4191190.92	4.43E-06	1.57E-06	6.00E-06	7.10E-07	2.46E-07	9.57E-07	4.19E-07	1.77E-07	5.96E-07	3.47E-07	1.07E-07	4.54E-07
96	564348.76	4191189.26	4.06E-06	1.44E-06	5.51E-06	6.52E-07	2.26E-07	8.78E-07	3.85E-07	1.62E-07	5.47E-07	3.19E-07	9.81E-08	4.17E-07
97	564338.93	4191187.6	3.67E-06	1.30E-06	4.98E-06	5.89E-07	2.04E-07	7.93E-07	3.48E-07	1.46E-07	4.94E-07	2.88E-07	8.86E-08	3.77E-07
98	564378.34	4191187.91	4.56E-06	1.62E-06	6.19E-06	7.32E-07	2.54E-07	9.86E-07	4.32E-07	1.82E-07	6.14E-07	3.58E-07	1.10E-07	4.68E-07
99	564386.61	4191193.1	4.92E-06	1.75E-06	6.67E-06	7.89E-07	2.74E-07	1.06E-06	4.66E-07	1.96E-07	6.62E-07	3.86E-07	1.19E-07	5.05E-07
100	564394.87	4191198.28	5.22E-06	1.86E-06	7.08E-06	8.38E-07	2.91E-07	1.13E-06	4.94E-07	2.08E-07	7.02E-07	4.10E-07	1.26E-07	5.36E-07
101	564444.44	4191229.4	7.73E-06	2.75E-06	1.05E-05	1.24E-06	4.30E-07	1.67E-06	7.32E-07	3.08E-07	1.04E-06	6.07E-07	1.87E-07	7.93E-07
102	564452.7	4191234.59	8.28E-06	2.94E-06	1.12E-05	1.33E-06	4.61E-07	1.79E-06	7.84E-07	3.30E-07	1.11E-06	6.49E-07	2.00E-07	8.49E-07
103	564463.13	4191249.29	9.96E-06	3.54E-06	1.35E-05	1.60E-06	5.54E-07	2.15E-06	9.43E-07	3.97E-07	1.34E-06	7.81E-07	2.40E-07	1.02E-06
104	564465.29	4191258.8	1.13E-05	4.02E-06	1.53E-05	1.81E-06	6.30E-07	2.44E-06	1.07E-06	4.51E-07	1.52E-06	8.87E-07	2.73E-07	1.16E-06
105	564467.45	4191268.31	1.27E-05	4.51E-06	1.72E-05	2.04E-06	7.07E-07	2.75E-06	1.20E-06	5.06E-07	1.71E-06	9.97E-07	3.07E-07	1.30E-06
106	564476.11	4191306.36	1.18E-05	4.20E-06	1.60E-05	1.90E-06	6.58E-07	2.56E-06	1.12E-06	4.72E-07	1.59E-06	9.28E-07	2.86E-07	1.21E-06
107	564478.27	4191315.88	9.74E-06	3.46E-06	1.32E-05	1.56E-06	5.42E-07	2.10E-06	9.22E-07	3.88E-07	1.31E-06	7.64E-07	2.35E-07	9.99E-07
108	564480.43	4191325.39	7.73E-06	2.75E-06	1.05E-05	1.24E-06	4.31E-07	1.67E-06	7.32E-07	3.08E-07	1.04E-06	6.07E-07	1.87E-07	7.94E-07
109	564482.6	4191334.9	6.17E-06	2.19E-06	8.37E-06	9.90E-07	3.44E-07	1.33E-06	5.84E-07	2.46E-07	8.31E-07	4.84E-07	1.49E-07	6.33E-07
110	564370.08	4191182.72	4.19E-06	1.49E-06	5.67E-06	6.72E-07	2.33E-07	9.05E-07	3.96E-07	1.67E-07	5.63E-07	3.28E-07	1.01E-07	4.30E-07
111	564360.25	4191181.06	3.93E-06	1.40E-06	5.33E-06	6.31E-07	2.19E-07	8.50E-07	3.72E-07	1.57E-07	5.29E-07	3.08E-07	9.49E-08	4.03E-07
112	564350.42	4191179.4	3.64E-06	1.29E-06	4.93E-06	5.84E-07	2.03E-07	7.86E-07	3.44E-07	1.45E-07	4.89E-07	2.85E-07	8.78E-08	3.73E-07
113	564340.59	4191177.74	3.32E-06	1.18E-06	4.49E-06	5.32E-07	1.85E-07	7.17E-07	3.14E-07	1.32E-07	4.46E-07	2.60E-07	8.00E-08	3.40E-07
114	564379.86	4191177.96	4.04E-06	1.43E-06	5.47E-06	6.48E-07	2.25E-07	8.72E-07	3.82E-07	1.61E-07	5.43E-07	3.17E-07	9.74E-08	4.14E-07
115	564387.98	4191183.05	4.33E-06	1.54E-06	5.87E-06	6.95E-07	2.41E-07	9.36E-07	4.10E-07	1.73E-07	5.83E-07	3.40E-07	1.05E-07	4.44E-07
116	564396.09	4191188.15	4.59E-06	1.63E-06	6.22E-06	7.36E-07	2.55E-07	9.91E-07	4.34E-07	1.83E-07	6.17E-07	3.60E-07	1.11E-07	4.71E-07
117	564444.78	4191218.71	6.43E-06	2.29E-06	8.72E-06	1.03E-06	3.58E-07	1.39E-06	6.09E-07	2.56E-07	8.65E-07	5.05E-07	1.55E-07	6.60E-07
118	564452.89	4191223.8	6.92E-06	2.46E-06	9.38E-06	1.11E-06	3.85E-07	1.50E-06	6.55E-07	2.76E-07	9.31E-07	5.43E-07	1.67E-07	7.10E-07
119	564461.01	4191228.9	7.37E-06	2.62E-06	9.98E-06	1.18E-06	4.10E-07	1.59E-06	6.97E-07	2.94E-07	9.91E-07	5.78E-07	1.78E-07	7.56E-07
120	564471.25	4191243.34	8.72E-06	3.10E-06	1.18E-05	1.40E-06	4.85E-07	1.88E-06	8.25E-07	3.47E-07	1.17E-06	6.84E-07	2.10E-07	8.94E-07
121	564473.37	4191252.68	9.78E-06	3.48E-06	1.33E-05	1.57E-06	5.44E-07	2.11E-06	9.26E-07	3.90E-07	1.32E-06	7.67E-07	2.36E-07	1.00E-06
122	564475.49	4191262.02	1.09E-05	3.87E-06	1.48E-05	1.75E-06	6.07E-07	2.36E-06	1.03E-06	4.34E-07	1.47E-06	8.55E-07	2.63E-07	1.12E-06

123	564477.62	4191271.36	1.19E-05	4.23E-06	1.61E-05	1.91E-06	6.63E-07	2.57E-06	1.13E-06	4.74E-07	1.60E-06	9.34E-07	2.87E-07	1.22E-06
124	564486.12	4191308.73	9.62E-06	3.42E-06	1.30E-05	1.54E-06	5.36E-07	2.08E-06	9.11E-07	3.83E-07	1.29E-06	7.55E-07	2.32E-07	9.87E-07
125	564488.24	4191318.07	7.86E-06	2.79E-06	1.07E-05	1.26E-06	4.38E-07	1.70E-06	7.44E-07	3.13E-07	1.06E-06	6.17E-07	1.90E-07	8.06E-07
126	564490.37	4191327.42	6.31E-06	2.24E-06	8.55E-06	1.01E-06	3.51E-07	1.36E-06	5.97E-07	2.52E-07	8.49E-07	4.95E-07	1.52E-07	6.47E-07
127	564492.49	4191336.76	5.15E-06	1.83E-06	6.98E-06	8.27E-07	2.87E-07	1.11E-06	4.88E-07	2.05E-07	6.93E-07	4.04E-07	1.24E-07	5.29E-07
128	564371.75	4191172.86	3.73E-06	1.32E-06	5.05E-06	5.98E-07	2.07E-07	8.05E-07	3.53E-07	1.49E-07	5.01E-07	2.92E-07	9.00E-08	3.82E-07
129	564361.92	4191171.2	3.52E-06	1.25E-06	4.77E-06	5.64E-07	1.96E-07	7.60E-07	3.33E-07	1.40E-07	4.73E-07	2.76E-07	8.49E-08	3.61E-07
130	564352.09	4191169.54	3.28E-06	1.16E-06	4.44E-06	5.26E-07	1.82E-07	7.08E-07	3.10E-07	1.31E-07	4.41E-07	2.57E-07	7.91E-08	3.36E-07
131	564342.26	4191167.88	3.01E-06	1.07E-06	4.08E-06	4.83E-07	1.68E-07	6.51E-07	2.85E-07	1.20E-07	4.05E-07	2.36E-07	7.27E-08	3.09E-07
132	564405.37	4191183.07	4.26E-06	1.51E-06	5.77E-06	6.84E-07	2.37E-07	9.21E-07	4.03E-07	1.70E-07	5.73E-07	3.34E-07	1.03E-07	4.37E-07
133	564445.32	4191208.14	5.42E-06	1.93E-06	7.35E-06	8.70E-07	3.02E-07	1.17E-06	5.13E-07	2.16E-07	7.29E-07	4.25E-07	1.31E-07	5.56E-07
134	564453.31	4191213.16	5.83E-06	2.07E-06	7.90E-06	9.35E-07	3.24E-07	1.26E-06	5.52E-07	2.32E-07	7.84E-07	4.57E-07	1.41E-07	5.98E-07
135	564461.3	4191218.18	6.23E-06	2.21E-06	8.44E-06	9.99E-07	3.47E-07	1.35E-06	5.90E-07	2.48E-07	8.38E-07	4.89E-07	1.50E-07	6.39E-07
136	564469.29	4191223.19	6.60E-06	2.34E-06	8.94E-06	1.06E-06	3.67E-07	1.43E-06	6.24E-07	2.63E-07	8.87E-07	5.17E-07	1.59E-07	6.77E-07
137	564479.37	4191237.41	7.69E-06	2.73E-06	1.04E-05	1.23E-06	4.28E-07	1.66E-06	7.28E-07	3.06E-07	1.03E-06	6.03E-07	1.86E-07	7.89E-07
138	564481.46	4191246.6	8.55E-06	3.04E-06	1.16E-05	1.37E-06	4.76E-07	1.85E-06	8.10E-07	3.41E-07	1.15E-06	6.71E-07	2.06E-07	8.77E-07
139	564483.55	4191255.8	9.44E-06	3.36E-06	1.28E-05	1.51E-06	5.26E-07	2.04E-06	8.94E-07	3.76E-07	1.27E-06	7.41E-07	2.28E-07	9.69E-07
140	564485.64	4191265	1.03E-05	3.67E-06	1.40E-05	1.66E-06	5.75E-07	2.23E-06	9.77E-07	4.12E-07	1.39E-06	8.10E-07	2.49E-07	1.06E-06
141	564487.74	4191274.2	1.09E-05	3.89E-06	1.48E-05	1.75E-06	6.09E-07	2.36E-06	1.04E-06	4.36E-07	1.47E-06	8.58E-07	2.64E-07	1.12E-06
142	564496.1	4191311	7.86E-06	2.79E-06	1.07E-05	1.26E-06	4.38E-07	1.70E-06	7.44E-07	3.13E-07	1.06E-06	6.17E-07	1.90E-07	8.06E-07
143	564498.2	4191320.19	6.42E-06	2.28E-06	8.71E-06	1.03E-06	3.58E-07	1.39E-06	6.08E-07	2.56E-07	8.64E-07	5.04E-07	1.55E-07	6.59E-07
144	564500.29	4191329.39	5.23E-06	1.86E-06	7.09E-06	8.39E-07	2.91E-07	1.13E-06	4.95E-07	2.09E-07	7.04E-07	4.10E-07	1.26E-07	5.37E-07
145	564502.38	4191338.59	4.37E-06	1.55E-06	5.92E-06	7.00E-07	2.43E-07	9.44E-07	4.13E-07	1.74E-07	5.87E-07	3.43E-07	1.05E-07	4.48E-07
146	564382.96	4191158.09	3.23E-06	1.15E-06	4.38E-06	5.18E-07	1.80E-07	6.98E-07	3.06E-07	1.29E-07	4.34E-07	2.53E-07	7.79E-08	3.31E-07
147	564390.84	4191163.04	3.44E-06	1.22E-06	4.66E-06	5.52E-07	1.92E-07	7.44E-07	3.26E-07	1.37E-07	4.63E-07	2.70E-07	8.31E-08	3.53E-07
148	564446.02	4191197.68	4.64E-06	1.65E-06	6.29E-06	7.45E-07	2.58E-07	1.00E-06	4.39E-07	1.85E-07	6.25E-07	3.64E-07	1.12E-07	4.76E-07
149	564453.9	4191202.63	4.96E-06	1.76E-06	6.72E-06	7.96E-07	2.76E-07	1.07E-06	4.70E-07	1.98E-07	6.67E-07	3.89E-07	1.20E-07	5.09E-07
150	564461.79	4191207.58	5.30E-06	1.88E-06	7.18E-06	8.50E-07	2.95E-07	1.15E-06	5.02E-07	2.11E-07	7.13E-07	4.16E-07	1.28E-07	5.44E-07
151	564469.67	4191212.53	5.63E-06	2.00E-06	7.63E-06	9.04E-07	3.14E-07	1.22E-06	5.33E-07	2.25E-07	7.58E-07	4.42E-07	1.36E-07	5.78E-07
152	564477.55	4191217.47	5.91E-06	2.10E-06	8.02E-06	9.49E-07	3.29E-07	1.28E-06	5.60E-07	2.36E-07	7.96E-07	4.64E-07	1.43E-07	6.07E-07
153	564487.5	4191231.5	6.82E-06	2.43E-06	9.25E-06	1.09E-06	3.80E-07	1.47E-06	6.46E-07	2.72E-07	9.18E-07	5.35E-07	1.65E-07	7.00E-07
154	564489.56	4191240.57	7.54E-06	2.68E-06	1.02E-05	1.21E-06	4.20E-07	1.63E-06	7.14E-07	3.01E-07	1.01E-06	5.92E-07	1.82E-07	7.74E-07
155	564491.63	4191249.65	8.29E-06	2.94E-06	1.12E-05	1.33E-06	4.61E-07	1.79E-06	7.84E-07	3.30E-07	1.11E-06	6.50E-07	2.00E-07	8.50E-07
156	564493.69	4191258.72	9.01E-06	3.20E-06	1.22E-05	1.45E-06	5.02E-07	1.95E-06	8.53E-07	3.59E-07	1.21E-06	7.07E-07	2.17E-07	9.24E-07
157	564495.75	4191267.8	9.62E-06	3.42E-06	1.30E-05	1.54E-06	5.36E-07	2.08E-06	9.11E-07	3.84E-07	1.29E-06	7.55E-07	2.32E-07	9.87E-07
158	564497.82	4191276.88	9.88E-06	3.51E-06	1.34E-05	1.58E-06	5.50E-07	2.13E-06	9.35E-07	3.94E-07	1.33E-06	7.75E-07	2.38E-07	1.01E-06
159	564506.07	4191313.18	6.48E-06	2.30E-06	8.78E-06	1.04E-06	3.61E-07	1.40E-06	6.13E-07	2.58E-07	8.71E-07	5.08E-07	1.56E-07	6.64E-07
160	564508.14	4191322.25	5.32E-06	1.89E-06	7.21E-06	8.53E-07	2.96E-07	1.15E-06	5.04E-07	2.12E-07	7.16E-07	4.17E-07	1.28E-07	5.46E-07
161	564510.2	4191331.33	4.39E-06	1.56E-06	5.96E-06	7.05E-07	2.45E-07	9.50E-07	4.16E-07	1.75E-07	5.91E-07	3.45E-07	1.06E-07	4.51E-07
162	564512.26	4191340.4	3.74E-06	1.33E-06	5.06E-06	5.99E-07	2.08E-07	8.07E-07	3.54E-07	1.49E-07	5.02E-07	2.93E-07	9.02E-08	3.83E-07
163	564375.08	4191153.14	3.01E-06	1.07E-06	4.07E-06	4.82E-07	1.67E-07	6.49E-07	2.85E-07	1.20E-07	4.04E-07	2.36E-07	7.25E-08	3.08E-07
164	564365.25	4191151.48	2.86E-06	1.02E-06	3.88E-06	4.59E-07	1.59E-07	6.18E-07	2.71E-07	1.14E-07	3.85E-07	2.24E-07	6.91E-08	2.94E-07

165	564355.42	4191149.82	2.70E-06	9.60E-07	3.66E-06	4.33E-07	1.50E-07	5.84E-07	2.56E-07	1.08E-07	3.63E-07	2.12E-07	6.52E-08	2.77E-07
166	564345.59	4191148.16	2.52E-06	8.95E-07	3.41E-06	4.04E-07	1.40E-07	5.44E-07	2.38E-07	1.00E-07	3.39E-07	1.98E-07	6.08E-08	2.58E-07
167	564385.09	4191148.52	2.92E-06	1.04E-06	3.96E-06	4.69E-07	1.63E-07	6.32E-07	2.77E-07	1.17E-07	3.93E-07	2.29E-07	7.06E-08	3.00E-07
168	564393.44	4191153.76	3.12E-06	1.11E-06	4.23E-06	5.01E-07	1.74E-07	6.75E-07	2.96E-07	1.24E-07	4.20E-07	2.45E-07	7.54E-08	3.20E-07
169	564451.86	4191190.44	4.20E-06	1.49E-06	5.69E-06	6.73E-07	2.34E-07	9.07E-07	3.97E-07	1.67E-07	5.65E-07	3.29E-07	1.01E-07	4.31E-07
170	564460.21	4191195.68	4.47E-06	1.59E-06	6.06E-06	7.17E-07	2.49E-07	9.66E-07	4.23E-07	1.78E-07	6.01E-07	3.51E-07	1.08E-07	4.59E-07
171	564468.55	4191200.92	4.78E-06	1.70E-06	6.47E-06	7.66E-07	2.66E-07	1.03E-06	4.52E-07	1.90E-07	6.43E-07	3.75E-07	1.15E-07	4.90E-07
172	564476.9	4191206.16	5.06E-06	1.80E-06	6.86E-06	8.12E-07	2.82E-07	1.09E-06	4.79E-07	2.02E-07	6.81E-07	3.97E-07	1.22E-07	5.19E-07
173	564485.24	4191211.4	5.30E-06	1.88E-06	7.19E-06	8.51E-07	2.95E-07	1.15E-06	5.02E-07	2.11E-07	7.14E-07	4.16E-07	1.28E-07	5.44E-07
174	564495.78	4191226.25	6.14E-06	2.18E-06	8.32E-06	9.85E-07	3.42E-07	1.33E-06	5.81E-07	2.45E-07	8.26E-07	4.82E-07	1.48E-07	6.30E-07
175	564497.96	4191235.86	6.79E-06	2.41E-06	9.20E-06	1.09E-06	3.78E-07	1.47E-06	6.43E-07	2.71E-07	9.13E-07	5.33E-07	1.64E-07	6.96E-07
176	564500.15	4191245.47	7.46E-06	2.65E-06	1.01E-05	1.20E-06	4.15E-07	1.61E-06	7.06E-07	2.97E-07	1.00E-06	5.85E-07	1.80E-07	7.65E-07
177	564502.33	4191255.07	8.10E-06	2.88E-06	1.10E-05	1.30E-06	4.51E-07	1.75E-06	7.67E-07	3.23E-07	1.09E-06	6.36E-07	1.96E-07	8.31E-07
178	564504.52	4191264.68	8.64E-06	3.07E-06	1.17E-05	1.39E-06	4.81E-07	1.87E-06	8.18E-07	3.44E-07	1.16E-06	6.78E-07	2.09E-07	8.86E-07
179	564506.7	4191274.29	8.86E-06	3.15E-06	1.20E-05	1.42E-06	4.93E-07	1.92E-06	8.39E-07	3.53E-07	1.19E-06	6.95E-07	2.14E-07	9.09E-07
180	564508.89	4191283.9	8.61E-06	3.06E-06	1.17E-05	1.38E-06	4.79E-07	1.86E-06	8.15E-07	3.43E-07	1.16E-06	6.76E-07	2.08E-07	8.84E-07
181	564515.44	4191312.73	5.68E-06	2.02E-06	7.70E-06	9.11E-07	3.16E-07	1.23E-06	5.38E-07	2.26E-07	7.64E-07	4.46E-07	1.37E-07	5.83E-07
182	564517.63	4191322.34	4.64E-06	1.65E-06	6.29E-06	7.44E-07	2.58E-07	1.00E-06	4.39E-07	1.85E-07	6.24E-07	3.64E-07	1.12E-07	4.76E-07
183	564519.81	4191331.95	3.79E-06	1.35E-06	5.14E-06	6.08E-07	2.11E-07	8.19E-07	3.59E-07	1.51E-07	5.10E-07	2.97E-07	9.15E-08	3.89E-07
184	564522	4191341.56	3.23E-06	1.15E-06	4.38E-06	5.18E-07	1.80E-07	6.98E-07	3.06E-07	1.29E-07	4.34E-07	2.53E-07	7.79E-08	3.31E-07
185	564376.74	4191143.28	2.72E-06	9.66E-07	3.69E-06	4.36E-07	1.51E-07	5.88E-07	2.57E-07	1.08E-07	3.66E-07	2.13E-07	6.56E-08	2.79E-07
186	564366.91	4191141.62	2.60E-06	9.24E-07	3.52E-06	4.17E-07	1.45E-07	5.62E-07	2.46E-07	1.04E-07	3.50E-07	2.04E-07	6.28E-08	2.67E-07
187	564357.08	4191139.96	2.47E-06	8.77E-07	3.34E-06	3.96E-07	1.37E-07	5.33E-07	2.34E-07	9.84E-08	3.32E-07	1.94E-07	5.96E-08	2.53E-07
188	564347.25	4191138.3	2.32E-06	8.23E-07	3.14E-06	3.71E-07	1.29E-07	5.00E-07	2.19E-07	9.23E-08	3.11E-07	1.82E-07	5.59E-08	2.38E-07
189	564386.63	4191138.58	2.65E-06	9.41E-07	3.59E-06	4.25E-07	1.47E-07	5.72E-07	2.51E-07	1.06E-07	3.56E-07	2.08E-07	6.39E-08	2.72E-07
190	564394.85	4191143.75	2.82E-06	1.00E-06	3.83E-06	4.53E-07	1.57E-07	6.10E-07	2.67E-07	1.13E-07	3.80E-07	2.22E-07	6.82E-08	2.90E-07
191	564477.08	4191195.37	4.37E-06	1.55E-06	5.93E-06	7.01E-07	2.43E-07	9.45E-07	4.14E-07	1.74E-07	5.88E-07	3.43E-07	1.06E-07	4.48E-07
192	564485.3	4191200.53	4.60E-06	1.63E-06	6.23E-06	7.37E-07	2.56E-07	9.93E-07	4.35E-07	1.83E-07	6.18E-07	3.61E-07	1.11E-07	4.71E-07
193	564493.52	4191205.69	4.79E-06	1.70E-06	6.50E-06	7.69E-07	2.67E-07	1.04E-06	4.54E-07	1.91E-07	6.45E-07	3.76E-07	1.16E-07	4.92E-07
194	564503.9	4191220.32	5.49E-06	1.95E-06	7.45E-06	8.81E-07	3.06E-07	1.19E-06	5.20E-07	2.19E-07	7.39E-07	4.31E-07	1.33E-07	5.64E-07
195	564506.05	4191229.79	6.06E-06	2.15E-06	8.21E-06	9.72E-07	3.37E-07	1.31E-06	5.74E-07	2.42E-07	8.15E-07	4.75E-07	1.46E-07	6.22E-07
196	564508.21	4191239.25	6.63E-06	2.35E-06	8.98E-06	1.06E-06	3.69E-07	1.43E-06	6.27E-07	2.64E-07	8.91E-07	5.20E-07	1.60E-07	6.80E-07
197	564510.36	4191248.72	7.18E-06	2.55E-06	9.74E-06	1.15E-06	4.00E-07	1.55E-06	6.80E-07	2.86E-07	9.67E-07	5.64E-07	1.73E-07	7.37E-07
198	564512.51	4191258.19	7.66E-06	2.72E-06	1.04E-05	1.23E-06	4.27E-07	1.66E-06	7.25E-07	3.05E-07	1.03E-06	6.01E-07	1.85E-07	7.86E-07
199	564514.66	4191267.65	7.96E-06	2.83E-06	1.08E-05	1.28E-06	4.43E-07	1.72E-06	7.54E-07	3.17E-07	1.07E-06	6.25E-07	1.92E-07	8.17E-07
200	564516.82	4191277.12	7.92E-06	2.81E-06	1.07E-05	1.27E-06	4.41E-07	1.71E-06	7.49E-07	3.16E-07	1.06E-06	6.21E-07	1.91E-07	8.12E-07
201	564525.43	4191314.99	4.71E-06	1.67E-06	6.38E-06	7.56E-07	2.62E-07	1.02E-06	4.46E-07	1.88E-07	6.34E-07	3.69E-07	1.14E-07	4.83E-07
202	564527.58	4191324.46	3.88E-06	1.38E-06	5.25E-06	6.22E-07	2.16E-07	8.38E-07	3.67E-07	1.55E-07	5.21E-07	3.04E-07	9.36E-08	3.98E-07
203	564529.74	4191333.92	3.25E-06	1.15E-06	4.40E-06	5.21E-07	1.81E-07	7.01E-07	3.07E-07	1.29E-07	4.37E-07	2.55E-07	7.83E-08	3.33E-07
204	564531.89	4191343.39	2.81E-06	9.99E-07	3.81E-06	4.51E-07	1.57E-07	6.08E-07	2.66E-07	1.12E-07	3.78E-07	2.21E-07	6.79E-08	2.88E-07
205	564378.41	4191133.42	2.47E-06	8.79E-07	3.35E-06	3.97E-07	1.38E-07	5.34E-07	2.34E-07	9.86E-08	3.33E-07	1.94E-07	5.97E-08	2.54E-07
206	564368.58	4191131.76	2.37E-06	8.43E-07	3.22E-06	3.81E-07	1.32E-07	5.13E-07	2.25E-07	9.46E-08	3.19E-07	1.86E-07	5.73E-08	2.43E-07

207	564358.75	4191130.1	2.26E-06	8.03E-07	3.06E-06	3.62E-07	1.26E-07	4.88E-07	2.14E-07	9.01E-08	3.04E-07	1.77E-07	5.45E-08	2.32E-07
208	564348.92	4191128.44	2.13E-06	7.57E-07	2.89E-06	3.42E-07	1.19E-07	4.60E-07	2.02E-07	8.49E-08	2.86E-07	1.67E-07	5.14E-08	2.18E-07
209	564388.19	4191128.66	2.41E-06	8.58E-07	3.27E-06	3.87E-07	1.34E-07	5.22E-07	2.29E-07	9.63E-08	3.25E-07	1.89E-07	5.83E-08	2.48E-07
210	564396.3	4191133.75	2.57E-06	9.12E-07	3.48E-06	4.12E-07	1.43E-07	5.54E-07	2.43E-07	1.02E-07	3.45E-07	2.01E-07	6.19E-08	2.63E-07
211	564453.1	4191169.41	3.28E-06	1.17E-06	4.45E-06	5.26E-07	1.83E-07	7.09E-07	3.11E-07	1.31E-07	4.41E-07	2.57E-07	7.92E-08	3.37E-07
212	564461.22	4191174.5	3.42E-06	1.22E-06	4.64E-06	5.49E-07	1.91E-07	7.40E-07	3.24E-07	1.36E-07	4.60E-07	2.68E-07	8.26E-08	3.51E-07
213	564469.33	4191179.6	3.60E-06	1.28E-06	4.88E-06	5.78E-07	2.00E-07	7.78E-07	3.41E-07	1.44E-07	4.84E-07	2.83E-07	8.69E-08	3.69E-07
214	564501.79	4191199.97	4.35E-06	1.55E-06	5.90E-06	6.98E-07	2.42E-07	9.40E-07	4.12E-07	1.73E-07	5.85E-07	3.41E-07	1.05E-07	4.46E-07
215	564512.03	4191214.41	4.94E-06	1.76E-06	6.70E-06	7.93E-07	2.75E-07	1.07E-06	4.68E-07	1.97E-07	6.65E-07	3.88E-07	1.19E-07	5.07E-07
216	564514.15	4191223.75	5.43E-06	1.93E-06	7.36E-06	8.71E-07	3.02E-07	1.17E-06	5.14E-07	2.17E-07	7.31E-07	4.26E-07	1.31E-07	5.57E-07
217	564516.28	4191233.09	5.92E-06	2.11E-06	8.03E-06	9.50E-07	3.30E-07	1.28E-06	5.61E-07	2.36E-07	7.97E-07	4.65E-07	1.43E-07	6.08E-07
218	564518.4	4191242.44	6.41E-06	2.28E-06	8.69E-06	1.03E-06	3.57E-07	1.38E-06	6.07E-07	2.55E-07	8.62E-07	5.03E-07	1.55E-07	6.57E-07
219	564520.53	4191251.78	6.84E-06	2.43E-06	9.27E-06	1.10E-06	3.81E-07	1.48E-06	6.47E-07	2.73E-07	9.20E-07	5.36E-07	1.65E-07	7.01E-07
220	564522.65	4191261.12	7.13E-06	2.53E-06	9.66E-06	1.14E-06	3.97E-07	1.54E-06	6.75E-07	2.84E-07	9.59E-07	5.59E-07	1.72E-07	7.31E-07
221	564524.78	4191270.46	7.21E-06	2.56E-06	9.77E-06	1.16E-06	4.01E-07	1.56E-06	6.82E-07	2.87E-07	9.69E-07	5.65E-07	1.74E-07	7.39E-07
222	564526.9	4191279.81	6.96E-06	2.47E-06	9.43E-06	1.12E-06	3.87E-07	1.50E-06	6.59E-07	2.77E-07	9.36E-07	5.46E-07	1.68E-07	7.14E-07
223	564535.4	4191317.18	3.97E-06	1.41E-06	5.38E-06	6.37E-07	2.21E-07	8.58E-07	3.76E-07	1.58E-07	5.34E-07	3.12E-07	9.59E-08	4.08E-07
224	564537.52	4191326.52	3.31E-06	1.18E-06	4.48E-06	5.30E-07	1.84E-07	7.15E-07	3.13E-07	1.32E-07	4.45E-07	2.59E-07	7.98E-08	3.39E-07
225	564539.65	4191335.86	2.82E-06	1.00E-06	3.82E-06	4.52E-07	1.57E-07	6.09E-07	2.67E-07	1.12E-07	3.79E-07	2.21E-07	6.80E-08	2.89E-07
226	564541.77	4191345.2	2.48E-06	8.82E-07	3.36E-06	3.98E-07	1.38E-07	5.36E-07	2.35E-07	9.89E-08	3.34E-07	1.95E-07	5.99E-08	2.55E-07
227	564380.07	4191123.56	2.26E-06	8.05E-07	3.07E-06	3.63E-07	1.26E-07	4.89E-07	2.14E-07	9.03E-08	3.05E-07	1.78E-07	5.47E-08	2.32E-07
228	564370.24	4191121.9	2.18E-06	7.73E-07	2.95E-06	3.49E-07	1.21E-07	4.70E-07	2.06E-07	8.67E-08	2.93E-07	1.71E-07	5.25E-08	2.23E-07
229	564360.41	4191120.24	2.07E-06	7.37E-07	2.81E-06	3.33E-07	1.15E-07	4.48E-07	1.96E-07	8.27E-08	2.79E-07	1.63E-07	5.01E-08	2.13E-07
230	564350.58	4191118.58	1.96E-06	6.97E-07	2.66E-06	3.15E-07	1.09E-07	4.24E-07	1.86E-07	7.82E-08	2.64E-07	1.54E-07	4.74E-08	2.01E-07
231	564389.76	4191118.74	2.21E-06	7.87E-07	3.00E-06	3.55E-07	1.23E-07	4.78E-07	2.10E-07	8.83E-08	2.98E-07	1.74E-07	5.34E-08	2.27E-07
232	564397.78	4191123.77	2.34E-06	8.33E-07	3.18E-06	3.76E-07	1.31E-07	5.07E-07	2.22E-07	9.35E-08	3.15E-07	1.84E-07	5.66E-08	2.41E-07
233	564453.91	4191159.01	2.95E-06	1.05E-06	3.99E-06	4.73E-07	1.64E-07	6.37E-07	2.79E-07	1.17E-07	3.96E-07	2.31E-07	7.11E-08	3.02E-07
234	564461.93	4191164.04	3.05E-06	1.08E-06	4.13E-06	4.89E-07	1.70E-07	6.59E-07	2.88E-07	1.21E-07	4.10E-07	2.39E-07	7.36E-08	3.13E-07
235	564469.95	4191169.08	3.18E-06	1.13E-06	4.31E-06	5.10E-07	1.77E-07	6.87E-07	3.01E-07	1.27E-07	4.28E-07	2.49E-07	7.67E-08	3.26E-07
236	564477.97	4191174.11	3.33E-06	1.18E-06	4.52E-06	5.35E-07	1.86E-07	7.20E-07	3.16E-07	1.33E-07	4.49E-07	2.62E-07	8.05E-08	3.42E-07
237	564485.98	4191179.15	3.50E-06	1.24E-06	4.75E-06	5.62E-07	1.95E-07	7.57E-07	3.32E-07	1.40E-07	4.71E-07	2.75E-07	8.45E-08	3.59E-07
238	564520.16	4191208.51	4.47E-06	1.59E-06	6.06E-06	7.17E-07	2.49E-07	9.66E-07	4.23E-07	1.78E-07	6.01E-07	3.51E-07	1.08E-07	4.59E-07
239	564522.26	4191217.75	4.89E-06	1.74E-06	6.62E-06	7.84E-07	2.72E-07	1.06E-06	4.63E-07	1.95E-07	6.57E-07	3.83E-07	1.18E-07	5.01E-07
240	564524.36	4191226.98	5.33E-06	1.89E-06	7.22E-06	8.54E-07	2.97E-07	1.15E-06	5.04E-07	2.12E-07	7.17E-07	4.18E-07	1.29E-07	5.46E-07
241	564526.46	4191236.21	5.74E-06	2.04E-06	7.79E-06	9.21E-07	3.20E-07	1.24E-06	5.44E-07	2.29E-07	7.73E-07	4.51E-07	1.39E-07	5.89E-07
242	564528.56	4191245.44	6.13E-06	2.18E-06	8.31E-06	9.84E-07	3.42E-07	1.33E-06	5.81E-07	2.45E-07	8.25E-07	4.81E-07	1.48E-07	6.29E-07
243	564530.66	4191254.68	6.41E-06	2.28E-06	8.69E-06	1.03E-06	3.57E-07	1.39E-06	6.07E-07	2.56E-07	8.63E-07	5.03E-07	1.55E-07	6.58E-07
244	564532.76	4191263.91	6.56E-06	2.33E-06	8.89E-06	1.05E-06	3.65E-07	1.42E-06	6.21E-07	2.61E-07	8.82E-07	5.15E-07	1.58E-07	6.73E-07
245	564534.86	4191273.14	6.46E-06	2.30E-06	8.76E-06	1.04E-06	3.60E-07	1.40E-06	6.12E-07	2.58E-07	8.69E-07	5.07E-07	1.56E-07	6.63E-07
246	564536.96	4191282.37	6.09E-06	2.16E-06	8.25E-06	9.77E-07	3.39E-07	1.32E-06	5.76E-07	2.43E-07	8.19E-07	4.78E-07	1.47E-07	6.25E-07
247	564545.36	4191319.3	3.38E-06	1.20E-06	4.59E-06	5.43E-07	1.88E-07	7.31E-07	3.20E-07	1.35E-07	4.55E-07	2.66E-07	8.17E-08	3.47E-07
248	564547.46	4191328.54	2.86E-06	1.02E-06	3.87E-06	4.58E-07	1.59E-07	6.17E-07	2.70E-07	1.14E-07	3.84E-07	2.24E-07	6.89E-08	2.93E-07

249	564549.55	4191337.77	2.47E-06	8.79E-07	3.35E-06	3.97E-07	1.38E-07	5.34E-07	2.34E-07	9.86E-08	3.33E-07	1.94E-07	5.97E-08	2.54E-07
250	564551.65	4191347	2.21E-06	7.85E-07	3.00E-06	3.55E-07	1.23E-07	4.78E-07	2.09E-07	8.81E-08	2.97E-07	1.73E-07	5.34E-08	2.27E-07
251	564381.74	4191113.7	2.08E-06	7.40E-07	2.82E-06	3.34E-07	1.16E-07	4.50E-07	1.97E-07	8.31E-08	2.80E-07	1.63E-07	5.03E-08	2.14E-07
252	564371.91	4191112.04	2.00E-06	7.12E-07	2.72E-06	3.21E-07	1.12E-07	4.33E-07	1.90E-07	7.99E-08	2.69E-07	1.57E-07	4.84E-08	2.06E-07
253	564362.08	4191110.38	1.91E-06	6.80E-07	2.59E-06	3.07E-07	1.07E-07	4.13E-07	1.81E-07	7.63E-08	2.57E-07	1.50E-07	4.62E-08	1.96E-07
254	564352.25	4191108.72	1.81E-06	6.44E-07	2.46E-06	2.91E-07	1.01E-07	3.92E-07	1.72E-07	7.23E-08	2.44E-07	1.42E-07	4.38E-08	1.86E-07
255	564391.8	4191109.12	2.04E-06	7.27E-07	2.77E-06	3.28E-07	1.14E-07	4.42E-07	1.94E-07	8.15E-08	2.75E-07	1.60E-07	4.94E-08	2.10E-07
256	564400.2	4191114.39	2.17E-06	7.70E-07	2.94E-06	3.47E-07	1.21E-07	4.68E-07	2.05E-07	8.63E-08	2.91E-07	1.70E-07	5.23E-08	2.22E-07
257	564450.61	4191146.03	2.64E-06	9.38E-07	3.58E-06	4.23E-07	1.47E-07	5.70E-07	2.50E-07	1.05E-07	3.55E-07	2.07E-07	6.37E-08	2.71E-07
258	564459.01	4191151.31	2.70E-06	9.61E-07	3.67E-06	4.34E-07	1.51E-07	5.84E-07	2.56E-07	1.08E-07	3.64E-07	2.12E-07	6.53E-08	2.77E-07
259	564467.41	4191156.58	2.79E-06	9.92E-07	3.79E-06	4.48E-07	1.55E-07	6.03E-07	2.64E-07	1.11E-07	3.76E-07	2.19E-07	6.74E-08	2.87E-07
260	564475.81	4191161.85	2.91E-06	1.03E-06	3.94E-06	4.67E-07	1.62E-07	6.29E-07	2.75E-07	1.16E-07	3.91E-07	2.28E-07	7.02E-08	2.98E-07
261	564484.21	4191167.13	3.05E-06	1.08E-06	4.13E-06	4.89E-07	1.70E-07	6.59E-07	2.89E-07	1.22E-07	4.10E-07	2.39E-07	7.36E-08	3.13E-07
262	564492.61	4191172.4	3.20E-06	1.14E-06	4.34E-06	5.13E-07	1.78E-07	6.92E-07	3.03E-07	1.28E-07	4.31E-07	2.51E-07	7.73E-08	3.28E-07
263	564501.02	4191177.68	3.35E-06	1.19E-06	4.55E-06	5.38E-07	1.87E-07	7.25E-07	3.17E-07	1.34E-07	4.51E-07	2.63E-07	8.10E-08	3.44E-07
264	564509.42	4191182.95	3.50E-06	1.24E-06	4.74E-06	5.61E-07	1.95E-07	7.56E-07	3.31E-07	1.39E-07	4.70E-07	2.74E-07	8.44E-08	3.59E-07
265	564528.42	4191203.17	4.08E-06	1.45E-06	5.53E-06	6.55E-07	2.27E-07	8.82E-07	3.86E-07	1.63E-07	5.49E-07	3.20E-07	9.85E-08	4.19E-07
266	564530.62	4191212.84	4.46E-06	1.59E-06	6.05E-06	7.16E-07	2.48E-07	9.64E-07	4.22E-07	1.78E-07	6.00E-07	3.50E-07	1.08E-07	4.58E-07
267	564532.82	4191222.51	4.86E-06	1.73E-06	6.59E-06	7.80E-07	2.71E-07	1.05E-06	4.61E-07	1.94E-07	6.54E-07	3.82E-07	1.17E-07	4.99E-07
268	564535.02	4191232.18	5.26E-06	1.87E-06	7.13E-06	8.44E-07	2.93E-07	1.14E-06	4.98E-07	2.10E-07	7.08E-07	4.13E-07	1.27E-07	5.40E-07
269	564537.22	4191241.86	5.63E-06	2.00E-06	7.62E-06	9.03E-07	3.13E-07	1.22E-06	5.33E-07	2.24E-07	7.57E-07	4.41E-07	1.36E-07	5.77E-07
270	564539.42	4191251.53	5.90E-06	2.09E-06	7.99E-06	9.46E-07	3.28E-07	1.27E-06	5.58E-07	2.35E-07	7.93E-07	4.62E-07	1.42E-07	6.05E-07
271	564541.61	4191261.2	6.02E-06	2.14E-06	8.16E-06	9.66E-07	3.35E-07	1.30E-06	5.70E-07	2.40E-07	8.10E-07	4.72E-07	1.45E-07	6.17E-07
272	564543.81	4191270.87	5.91E-06	2.10E-06	8.01E-06	9.48E-07	3.29E-07	1.28E-06	5.59E-07	2.36E-07	7.95E-07	4.63E-07	1.43E-07	6.06E-07
273	564546.01	4191280.55	5.54E-06	1.97E-06	7.50E-06	8.88E-07	3.08E-07	1.20E-06	5.24E-07	2.21E-07	7.45E-07	4.34E-07	1.34E-07	5.68E-07
274	564548.21	4191290.22	4.96E-06	1.76E-06	6.72E-06	7.96E-07	2.76E-07	1.07E-06	4.69E-07	1.98E-07	6.67E-07	3.89E-07	1.20E-07	5.09E-07
275	564554.81	4191319.23	3.03E-06	1.08E-06	4.11E-06	4.86E-07	1.69E-07	6.55E-07	2.87E-07	1.21E-07	4.08E-07	2.38E-07	7.31E-08	3.11E-07
276	564557.01	4191328.91	2.56E-06	9.09E-07	3.47E-06	4.10E-07	1.42E-07	5.53E-07	2.42E-07	1.02E-07	3.44E-07	2.01E-07	6.18E-08	2.62E-07
277	564559.21	4191338.58	2.22E-06	7.89E-07	3.01E-06	3.56E-07	1.24E-07	4.80E-07	2.10E-07	8.85E-08	2.99E-07	1.74E-07	5.36E-08	2.28E-07
278	564383.4	4191103.84	1.92E-06	6.84E-07	2.61E-06	3.09E-07	1.07E-07	4.16E-07	1.82E-07	7.67E-08	2.59E-07	1.51E-07	4.65E-08	1.97E-07
279	564373.57	4191102.18	1.85E-06	6.59E-07	2.51E-06	2.97E-07	1.03E-07	4.01E-07	1.75E-07	7.39E-08	2.49E-07	1.45E-07	4.47E-08	1.90E-07
280	564363.74	4191100.52	1.78E-06	6.31E-07	2.41E-06	2.85E-07	9.88E-08	3.84E-07	1.68E-07	7.08E-08	2.39E-07	1.39E-07	4.28E-08	1.82E-07
281	564353.91	4191098.86	1.69E-06	6.00E-07	2.29E-06	2.71E-07	9.40E-08	3.65E-07	1.60E-07	6.73E-08	2.27E-07	1.32E-07	4.07E-08	1.73E-07
282	564393.36	4191099.19	1.89E-06	6.71E-07	2.56E-06	3.03E-07	1.05E-07	4.08E-07	1.79E-07	7.53E-08	2.54E-07	1.48E-07	4.56E-08	1.94E-07
283	564401.66	4191104.4	1.99E-06	7.09E-07	2.70E-06	3.20E-07	1.11E-07	4.31E-07	1.89E-07	7.95E-08	2.68E-07	1.56E-07	4.81E-08	2.05E-07
284	564451.43	4191135.64	2.41E-06	8.58E-07	3.27E-06	3.87E-07	1.34E-07	5.22E-07	2.29E-07	9.63E-08	3.25E-07	1.89E-07	5.83E-08	2.48E-07
285	564459.72	4191140.85	2.46E-06	8.75E-07	3.34E-06	3.95E-07	1.37E-07	5.32E-07	2.33E-07	9.81E-08	3.31E-07	1.93E-07	5.94E-08	2.53E-07
286	564468.02	4191146.05	2.52E-06	8.96E-07	3.42E-06	4.05E-07	1.40E-07	5.45E-07	2.39E-07	1.01E-07	3.39E-07	1.98E-07	6.09E-08	2.59E-07
287	564476.31	4191151.26	2.61E-06	9.26E-07	3.53E-06	4.18E-07	1.45E-07	5.63E-07	2.47E-07	1.04E-07	3.50E-07	2.04E-07	6.29E-08	2.67E-07
288	564484.61	4191156.47	2.71E-06	9.64E-07	3.68E-06	4.35E-07	1.51E-07	5.86E-07	2.57E-07	1.08E-07	3.65E-07	2.13E-07	6.55E-08	2.78E-07
289	564492.9	4191161.68	2.84E-06	1.01E-06	3.84E-06	4.55E-07	1.58E-07	6.13E-07	2.68E-07	1.13E-07	3.81E-07	2.22E-07	6.84E-08	2.91E-07
290	564501.2	4191166.88	2.97E-06	1.05E-06	4.02E-06	4.76E-07	1.65E-07	6.41E-07	2.81E-07	1.18E-07	3.99E-07	2.33E-07	7.16E-08	3.04E-07

291	564509.49	4191172.09	3.10E-06	1.10E-06	4.20E-06	4.97E-07	1.72E-07	6.69E-07	2.93E-07	1.23E-07	4.17E-07	2.43E-07	7.48E-08	3.18E-07
292	564517.78	4191177.3	3.22E-06	1.14E-06	4.36E-06	5.16E-07	1.79E-07	6.96E-07	3.05E-07	1.28E-07	4.33E-07	2.53E-07	7.77E-08	3.30E-07
293	564526.08	4191182.5	3.32E-06	1.18E-06	4.51E-06	5.33E-07	1.85E-07	7.18E-07	3.15E-07	1.33E-07	4.47E-07	2.61E-07	8.03E-08	3.41E-07
294	564538.72	4191206.81	4.05E-06	1.44E-06	5.49E-06	6.49E-07	2.25E-07	8.75E-07	3.83E-07	1.61E-07	5.45E-07	3.18E-07	9.77E-08	4.15E-07
295	564540.89	4191216.36	4.39E-06	1.56E-06	5.96E-06	7.05E-07	2.45E-07	9.50E-07	4.16E-07	1.75E-07	5.91E-07	3.45E-07	1.06E-07	4.51E-07
296	564543.06	4191225.91	4.75E-06	1.69E-06	6.44E-06	7.63E-07	2.65E-07	1.03E-06	4.50E-07	1.90E-07	6.40E-07	3.73E-07	1.15E-07	4.88E-07
297	564545.23	4191235.46	5.09E-06	1.81E-06	6.90E-06	8.16E-07	2.83E-07	1.10E-06	4.82E-07	2.03E-07	6.85E-07	3.99E-07	1.23E-07	5.22E-07
298	564547.41	4191245.01	5.36E-06	1.91E-06	7.27E-06	8.60E-07	2.98E-07	1.16E-06	5.08E-07	2.14E-07	7.21E-07	4.21E-07	1.29E-07	5.50E-07
299	564549.58	4191254.56	5.53E-06	1.96E-06	7.49E-06	8.87E-07	3.08E-07	1.19E-06	5.23E-07	2.20E-07	7.44E-07	4.34E-07	1.33E-07	5.67E-07
300	564551.75	4191264.11	5.51E-06	1.96E-06	7.47E-06	8.84E-07	3.07E-07	1.19E-06	5.22E-07	2.20E-07	7.41E-07	4.32E-07	1.33E-07	5.65E-07
301	564553.92	4191273.66	5.27E-06	1.87E-06	7.14E-06	8.45E-07	2.93E-07	1.14E-06	4.99E-07	2.10E-07	7.09E-07	4.13E-07	1.27E-07	5.41E-07
302	564556.09	4191283.21	4.82E-06	1.71E-06	6.54E-06	7.74E-07	2.69E-07	1.04E-06	4.57E-07	1.92E-07	6.49E-07	3.78E-07	1.16E-07	4.95E-07
303	564564.78	4191321.41	2.62E-06	9.32E-07	3.55E-06	4.21E-07	1.46E-07	5.67E-07	2.48E-07	1.05E-07	3.53E-07	2.06E-07	6.33E-08	2.69E-07
304	564385.07	4191093.98	1.78E-06	6.34E-07	2.42E-06	2.86E-07	9.94E-08	3.86E-07	1.69E-07	7.11E-08	2.40E-07	1.40E-07	4.31E-08	1.83E-07
305	564375.24	4191092.32	1.72E-06	6.12E-07	2.34E-06	2.76E-07	9.59E-08	3.72E-07	1.63E-07	6.87E-08	2.32E-07	1.35E-07	4.16E-08	1.77E-07
306	564365.41	4191090.66	1.65E-06	5.88E-07	2.24E-06	2.65E-07	9.21E-08	3.57E-07	1.57E-07	6.60E-08	2.23E-07	1.30E-07	3.99E-08	1.70E-07
307	564355.58	4191089	1.58E-06	5.61E-07	2.14E-06	2.53E-07	8.79E-08	3.41E-07	1.49E-07	6.29E-08	2.12E-07	1.24E-07	3.81E-08	1.62E-07
308	564394.93	4191089.27	1.75E-06	6.22E-07	2.37E-06	2.81E-07	9.75E-08	3.78E-07	1.66E-07	6.98E-08	2.36E-07	1.37E-07	4.23E-08	1.80E-07
309	564403.13	4191094.42	1.84E-06	6.55E-07	2.50E-06	2.96E-07	1.03E-07	3.98E-07	1.74E-07	7.34E-08	2.48E-07	1.45E-07	4.45E-08	1.89E-07
310	564452.33	4191125.3	2.22E-06	7.90E-07	3.01E-06	3.56E-07	1.24E-07	4.80E-07	2.10E-07	8.86E-08	2.99E-07	1.74E-07	5.36E-08	2.28E-07
311	564460.53	4191130.45	2.26E-06	8.02E-07	3.06E-06	3.62E-07	1.26E-07	4.88E-07	2.14E-07	9.00E-08	3.04E-07	1.77E-07	5.45E-08	2.32E-07
312	564468.73	4191135.6	2.30E-06	8.17E-07	3.12E-06	3.69E-07	1.28E-07	4.97E-07	2.18E-07	9.17E-08	3.09E-07	1.80E-07	5.55E-08	2.36E-07
313	564476.93	4191140.74	2.36E-06	8.38E-07	3.20E-06	3.78E-07	1.31E-07	5.09E-07	2.23E-07	9.40E-08	3.17E-07	1.85E-07	5.69E-08	2.42E-07
314	564485.13	4191145.89	2.44E-06	8.66E-07	3.30E-06	3.91E-07	1.36E-07	5.26E-07	2.31E-07	9.71E-08	3.28E-07	1.91E-07	5.88E-08	2.50E-07
315	564493.33	4191151.04	2.53E-06	9.00E-07	3.43E-06	4.06E-07	1.41E-07	5.47E-07	2.40E-07	1.01E-07	3.41E-07	1.99E-07	6.11E-08	2.60E-07
316	564501.53	4191156.19	2.64E-06	9.39E-07	3.58E-06	4.24E-07	1.47E-07	5.71E-07	2.50E-07	1.05E-07	3.55E-07	2.07E-07	6.38E-08	2.71E-07
317	564509.73	4191161.34	2.76E-06	9.80E-07	3.74E-06	4.42E-07	1.54E-07	5.96E-07	2.61E-07	1.10E-07	3.71E-07	2.16E-07	6.66E-08	2.83E-07
318	564517.93	4191166.48	2.87E-06	1.02E-06	3.89E-06	4.60E-07	1.60E-07	6.20E-07	2.71E-07	1.14E-07	3.86E-07	2.25E-07	6.92E-08	2.94E-07
319	564526.13	4191171.63	2.97E-06	1.06E-06	4.03E-06	4.77E-07	1.65E-07	6.42E-07	2.81E-07	1.18E-07	4.00E-07	2.33E-07	7.17E-08	3.05E-07
320	564534.33	4191176.78	3.06E-06	1.09E-06	4.15E-06	4.91E-07	1.70E-07	6.62E-07	2.90E-07	1.22E-07	4.12E-07	2.40E-07	7.39E-08	3.14E-07
321	564548.97	4191210.25	3.99E-06	1.42E-06	5.41E-06	6.40E-07	2.22E-07	8.62E-07	3.78E-07	1.59E-07	5.37E-07	3.13E-07	9.63E-08	4.09E-07
322	564551.12	4191219.69	4.29E-06	1.53E-06	5.82E-06	6.89E-07	2.39E-07	9.28E-07	4.07E-07	1.71E-07	5.78E-07	3.37E-07	1.04E-07	4.41E-07
323	564553.27	4191229.13	4.60E-06	1.64E-06	6.24E-06	7.39E-07	2.56E-07	9.95E-07	4.36E-07	1.84E-07	6.19E-07	3.61E-07	1.11E-07	4.72E-07
324	564555.41	4191238.57	4.88E-06	1.73E-06	6.61E-06	7.82E-07	2.71E-07	1.05E-06	4.62E-07	1.94E-07	6.56E-07	3.83E-07	1.18E-07	5.00E-07
325	564557.56	4191248.01	5.07E-06	1.80E-06	6.87E-06	8.13E-07	2.82E-07	1.10E-06	4.80E-07	2.02E-07	6.82E-07	3.98E-07	1.22E-07	5.20E-07
326	564559.71	4191257.45	5.13E-06	1.82E-06	6.95E-06	8.22E-07	2.85E-07	1.11E-06	4.85E-07	2.04E-07	6.90E-07	4.02E-07	1.24E-07	5.26E-07
327	564561.85	4191266.89	4.99E-06	1.77E-06	6.76E-06	8.00E-07	2.78E-07	1.08E-06	4.72E-07	1.99E-07	6.71E-07	3.91E-07	1.20E-07	5.11E-07
328	564564	4191276.33	4.66E-06	1.66E-06	6.32E-06	7.48E-07	2.59E-07	1.01E-06	4.41E-07	1.86E-07	6.27E-07	3.66E-07	1.12E-07	4.78E-07
329	564566.15	4191285.77	4.20E-06	1.49E-06	5.69E-06	6.73E-07	2.34E-07	9.07E-07	3.97E-07	1.67E-07	5.65E-07	3.29E-07	1.01E-07	4.31E-07
330	564386.73	4191084.12	1.66E-06	5.90E-07	2.25E-06	2.66E-07	9.24E-08	3.59E-07	1.57E-07	6.62E-08	2.23E-07	1.30E-07	4.01E-08	1.70E-07
331	564376.9	4191082.46	1.61E-06	5.71E-07	2.18E-06	2.58E-07	8.94E-08	3.47E-07	1.52E-07	6.40E-08	2.16E-07	1.26E-07	3.88E-08	1.65E-07
332	564367.07	4191080.8	1.55E-06	5.49E-07	2.10E-06	2.48E-07	8.61E-08	3.34E-07	1.46E-07	6.16E-08	2.08E-07	1.21E-07	3.73E-08	1.59E-07

333	564357.24	4191079.14	1.48E-06	5.26E-07	2.01E-06	2.37E-07	8.24E-08	3.20E-07	1.40E-07	5.90E-08	1.99E-07	1.16E-07	3.57E-08	1.52E-07
334	564404.63	4191084.45	1.71E-06	6.07E-07	2.31E-06	2.74E-07	9.51E-08	3.69E-07	1.62E-07	6.81E-08	2.30E-07	1.34E-07	4.12E-08	1.75E-07
335	564453.31	4191115.01	2.05E-06	7.30E-07	2.78E-06	3.30E-07	1.14E-07	4.44E-07	1.94E-07	8.19E-08	2.76E-07	1.61E-07	4.96E-08	2.11E-07
336	564461.43	4191120.11	2.08E-06	7.40E-07	2.82E-06	3.34E-07	1.16E-07	4.50E-07	1.97E-07	8.30E-08	2.80E-07	1.63E-07	5.03E-08	2.14E-07
337	564469.54	4191125.2	2.11E-06	7.51E-07	2.86E-06	3.39E-07	1.18E-07	4.57E-07	2.00E-07	8.42E-08	2.84E-07	1.66E-07	5.10E-08	2.17E-07
338	564477.66	4191130.29	2.15E-06	7.65E-07	2.92E-06	3.46E-07	1.20E-07	4.65E-07	2.04E-07	8.59E-08	2.90E-07	1.69E-07	5.20E-08	2.21E-07
339	564485.77	4191135.39	2.21E-06	7.85E-07	2.99E-06	3.54E-07	1.23E-07	4.77E-07	2.09E-07	8.81E-08	2.97E-07	1.73E-07	5.33E-08	2.27E-07
340	564493.89	4191140.48	2.28E-06	8.11E-07	3.09E-06	3.66E-07	1.27E-07	4.93E-07	2.16E-07	9.09E-08	3.07E-07	1.79E-07	5.51E-08	2.34E-07
341	564502	4191145.58	2.37E-06	8.42E-07	3.21E-06	3.80E-07	1.32E-07	5.12E-07	2.24E-07	9.44E-08	3.19E-07	1.86E-07	5.72E-08	2.43E-07
342	564510.12	4191150.67	2.47E-06	8.78E-07	3.35E-06	3.96E-07	1.37E-07	5.34E-07	2.34E-07	9.84E-08	3.32E-07	1.94E-07	5.96E-08	2.53E-07
343	564518.23	4191155.76	2.57E-06	9.14E-07	3.49E-06	4.13E-07	1.43E-07	5.56E-07	2.43E-07	1.03E-07	3.46E-07	2.02E-07	6.21E-08	2.64E-07
344	564526.34	4191160.86	2.67E-06	9.48E-07	3.62E-06	4.28E-07	1.48E-07	5.76E-07	2.53E-07	1.06E-07	3.59E-07	2.09E-07	6.44E-08	2.74E-07
345	564534.46	4191165.95	2.75E-06	9.77E-07	3.73E-06	4.41E-07	1.53E-07	5.94E-07	2.60E-07	1.10E-07	3.70E-07	2.16E-07	6.64E-08	2.82E-07
346	564542.57	4191171.05	2.83E-06	1.01E-06	3.83E-06	4.54E-07	1.57E-07	6.11E-07	2.68E-07	1.13E-07	3.81E-07	2.22E-07	6.83E-08	2.90E-07
347	564552.81	4191185.48	3.11E-06	1.11E-06	4.22E-06	4.99E-07	1.73E-07	6.72E-07	2.94E-07	1.24E-07	4.18E-07	2.44E-07	7.51E-08	3.19E-07
348	564559.19	4191213.51	3.90E-06	1.39E-06	5.29E-06	6.26E-07	2.17E-07	8.43E-07	3.69E-07	1.56E-07	5.25E-07	3.06E-07	9.42E-08	4.00E-07
349	564561.31	4191222.85	4.18E-06	1.48E-06	5.66E-06	6.70E-07	2.33E-07	9.03E-07	3.95E-07	1.67E-07	5.62E-07	3.28E-07	1.01E-07	4.29E-07
350	564563.44	4191232.2	4.43E-06	1.58E-06	6.01E-06	7.11E-07	2.47E-07	9.58E-07	4.20E-07	1.77E-07	5.97E-07	3.48E-07	1.07E-07	4.55E-07
351	564565.56	4191241.54	4.64E-06	1.65E-06	6.28E-06	7.44E-07	2.58E-07	1.00E-06	4.39E-07	1.85E-07	6.24E-07	3.64E-07	1.12E-07	4.76E-07
352	564567.68	4191250.88	4.73E-06	1.68E-06	6.42E-06	7.60E-07	2.64E-07	1.02E-06	4.48E-07	1.89E-07	6.37E-07	3.71E-07	1.14E-07	4.86E-07
353	564569.81	4191260.22	4.68E-06	1.66E-06	6.35E-06	7.52E-07	2.61E-07	1.01E-06	4.43E-07	1.87E-07	6.30E-07	3.68E-07	1.13E-07	4.81E-07
354	564571.93	4191269.56	4.47E-06	1.59E-06	6.05E-06	7.17E-07	2.49E-07	9.65E-07	4.23E-07	1.78E-07	6.01E-07	3.50E-07	1.08E-07	4.58E-07
355	564588.93	4191344.3	1.62E-06	5.75E-07	2.19E-06	2.60E-07	9.01E-08	3.50E-07	1.53E-07	6.45E-08	2.18E-07	1.27E-07	3.91E-08	1.66E-07
356	564591.05	4191353.65	1.50E-06	5.33E-07	2.03E-06	2.40E-07	8.34E-08	3.24E-07	1.42E-07	5.97E-08	2.02E-07	1.18E-07	3.62E-08	1.54E-07
357	564457.58	4191106.78	1.92E-06	6.81E-07	2.60E-06	3.07E-07	1.07E-07	4.14E-07	1.81E-07	7.64E-08	2.58E-07	1.50E-07	4.63E-08	1.97E-07
358	564466.01	4191112.08	1.94E-06	6.90E-07	2.63E-06	3.11E-07	1.08E-07	4.19E-07	1.84E-07	7.74E-08	2.61E-07	1.52E-07	4.68E-08	1.99E-07
359	564474.45	4191117.38	1.97E-06	6.99E-07	2.67E-06	3.16E-07	1.10E-07	4.25E-07	1.86E-07	7.84E-08	2.65E-07	1.54E-07	4.75E-08	2.02E-07
360	564482.89	4191122.68	2.01E-06	7.13E-07	2.72E-06	3.22E-07	1.12E-07	4.33E-07	1.90E-07	7.99E-08	2.70E-07	1.57E-07	4.84E-08	2.06E-07
361	564491.33	4191127.97	2.05E-06	7.30E-07	2.79E-06	3.30E-07	1.14E-07	4.44E-07	1.95E-07	8.19E-08	2.76E-07	1.61E-07	4.96E-08	2.11E-07
362	564499.77	4191133.27	2.12E-06	7.53E-07	2.87E-06	3.40E-07	1.18E-07	4.58E-07	2.01E-07	8.44E-08	2.85E-07	1.66E-07	5.11E-08	2.17E-07
363	564508.21	4191138.57	2.20E-06	7.82E-07	2.98E-06	3.53E-07	1.22E-07	4.75E-07	2.08E-07	8.77E-08	2.96E-07	1.73E-07	5.31E-08	2.26E-07
364	564516.65	4191143.87	2.29E-06	8.15E-07	3.11E-06	3.68E-07	1.28E-07	4.96E-07	2.17E-07	9.15E-08	3.09E-07	1.80E-07	5.54E-08	2.35E-07
365	564525.09	4191149.16	2.39E-06	8.49E-07	3.24E-06	3.83E-07	1.33E-07	5.16E-07	2.26E-07	9.52E-08	3.21E-07	1.87E-07	5.77E-08	2.45E-07
366	564533.53	4191154.46	2.48E-06	8.81E-07	3.36E-06	3.98E-07	1.38E-07	5.35E-07	2.35E-07	9.88E-08	3.33E-07	1.94E-07	5.98E-08	2.54E-07
367	564541.97	4191159.76	2.55E-06	9.07E-07	3.46E-06	4.10E-07	1.42E-07	5.52E-07	2.42E-07	1.02E-07	3.44E-07	2.00E-07	6.16E-08	2.62E-07
368	564550.41	4191165.06	2.62E-06	9.30E-07	3.55E-06	4.20E-07	1.46E-07	5.66E-07	2.48E-07	1.04E-07	3.52E-07	2.05E-07	6.32E-08	2.69E-07
369	564561.05	4191180.07	2.87E-06	1.02E-06	3.90E-06	4.61E-07	1.60E-07	6.21E-07	2.72E-07	1.15E-07	3.87E-07	2.26E-07	6.94E-08	2.95E-07
370	564563.26	4191189.79	3.11E-06	1.10E-06	4.21E-06	4.99E-07	1.73E-07	6.72E-07	2.94E-07	1.24E-07	4.18E-07	2.44E-07	7.50E-08	3.19E-07
371	564569.89	4191218.94	3.86E-06	1.37E-06	5.24E-06	6.20E-07	2.15E-07	8.35E-07	3.66E-07	1.54E-07	5.20E-07	3.03E-07	9.32E-08	3.96E-07
372	564572.1	4191228.65	4.10E-06	1.46E-06	5.56E-06	6.58E-07	2.28E-07	8.86E-07	3.88E-07	1.63E-07	5.52E-07	3.22E-07	9.90E-08	4.21E-07
373	564574.31	4191238.37	4.29E-06	1.52E-06	5.81E-06	6.88E-07	2.39E-07	9.26E-07	4.06E-07	1.71E-07	5.77E-07	3.36E-07	1.03E-07	4.40E-07
374	564576.52	4191248.08	4.37E-06	1.55E-06	5.93E-06	7.02E-07	2.44E-07	9.45E-07	4.14E-07	1.74E-07	5.88E-07	3.43E-07	1.06E-07	4.49E-07

375	564594.2	4191325.81	1.85E-06	6.57E-07	2.51E-06	2.97E-07	1.03E-07	3.99E-07	1.75E-07	7.37E-08	2.49E-07	1.45E-07	4.46E-08	1.90E-07
376	564596.41	4191335.53	1.64E-06	5.81E-07	2.22E-06	2.62E-07	9.11E-08	3.53E-07	1.55E-07	6.52E-08	2.20E-07	1.28E-07	3.95E-08	1.68E-07
377	564598.62	4191345.25	1.48E-06	5.27E-07	2.01E-06	2.38E-07	8.26E-08	3.21E-07	1.40E-07	5.92E-08	2.00E-07	1.16E-07	3.58E-08	1.52E-07
378	564600.83	4191354.96	1.38E-06	4.89E-07	1.86E-06	2.21E-07	7.66E-08	2.97E-07	1.30E-07	5.48E-08	1.85E-07	1.08E-07	3.32E-08	1.41E-07
379	564370.4	4191061.08	1.36E-06	4.83E-07	1.84E-06	2.18E-07	7.57E-08	2.94E-07	1.29E-07	5.42E-08	1.83E-07	1.07E-07	3.28E-08	1.40E-07
380	564360.57	4191059.42	1.31E-06	4.65E-07	1.77E-06	2.10E-07	7.28E-08	2.83E-07	1.24E-07	5.21E-08	1.76E-07	1.03E-07	3.16E-08	1.34E-07
381	564400.07	4191059.78	1.42E-06	5.04E-07	1.92E-06	2.28E-07	7.90E-08	3.07E-07	1.34E-07	5.66E-08	1.91E-07	1.11E-07	3.42E-08	1.46E-07
382	564408.42	4191065.02	1.49E-06	5.28E-07	2.01E-06	2.38E-07	8.27E-08	3.21E-07	1.41E-07	5.92E-08	2.00E-07	1.17E-07	3.59E-08	1.52E-07
383	564458.5	4191096.46	1.79E-06	6.36E-07	2.43E-06	2.87E-07	9.96E-08	3.87E-07	1.69E-07	7.14E-08	2.41E-07	1.40E-07	4.32E-08	1.84E-07
384	564466.85	4191101.7	1.81E-06	6.42E-07	2.45E-06	2.90E-07	1.01E-07	3.91E-07	1.71E-07	7.21E-08	2.43E-07	1.42E-07	4.36E-08	1.85E-07
385	564475.19	4191106.94	1.83E-06	6.49E-07	2.47E-06	2.93E-07	1.02E-07	3.94E-07	1.73E-07	7.28E-08	2.46E-07	1.43E-07	4.41E-08	1.87E-07
386	564483.54	4191112.17	1.85E-06	6.59E-07	2.51E-06	2.97E-07	1.03E-07	4.01E-07	1.76E-07	7.39E-08	2.49E-07	1.45E-07	4.48E-08	1.90E-07
387	564491.88	4191117.41	1.89E-06	6.72E-07	2.56E-06	3.03E-07	1.05E-07	4.09E-07	1.79E-07	7.54E-08	2.54E-07	1.48E-07	4.56E-08	1.94E-07
388	564500.23	4191122.65	1.94E-06	6.89E-07	2.63E-06	3.11E-07	1.08E-07	4.19E-07	1.84E-07	7.73E-08	2.61E-07	1.52E-07	4.68E-08	1.99E-07
389	564508.58	4191127.89	2.00E-06	7.11E-07	2.71E-06	3.21E-07	1.11E-07	4.32E-07	1.89E-07	7.98E-08	2.69E-07	1.57E-07	4.83E-08	2.05E-07
390	564516.92	4191133.13	2.08E-06	7.38E-07	2.81E-06	3.33E-07	1.16E-07	4.49E-07	1.97E-07	8.28E-08	2.79E-07	1.63E-07	5.01E-08	2.13E-07
391	564525.27	4191138.37	2.16E-06	7.68E-07	2.93E-06	3.47E-07	1.20E-07	4.67E-07	2.05E-07	8.62E-08	2.91E-07	1.70E-07	5.22E-08	2.22E-07
392	564533.62	4191143.61	2.24E-06	7.98E-07	3.04E-06	3.60E-07	1.25E-07	4.85E-07	2.13E-07	8.95E-08	3.02E-07	1.76E-07	5.42E-08	2.30E-07
393	564541.96	4191148.85	2.32E-06	8.23E-07	3.14E-06	3.72E-07	1.29E-07	5.01E-07	2.19E-07	9.24E-08	3.12E-07	1.82E-07	5.59E-08	2.38E-07
394	564550.31	4191154.09	2.38E-06	8.47E-07	3.23E-06	3.82E-07	1.33E-07	5.15E-07	2.26E-07	9.50E-08	3.20E-07	1.87E-07	5.75E-08	2.44E-07
395	564558.65	4191159.33	2.42E-06	8.59E-07	3.28E-06	3.88E-07	1.35E-07	5.22E-07	2.29E-07	9.63E-08	3.25E-07	1.90E-07	5.83E-08	2.48E-07
396	564569.19	4191174.18	2.66E-06	9.46E-07	3.61E-06	4.27E-07	1.48E-07	5.75E-07	2.52E-07	1.06E-07	3.58E-07	2.09E-07	6.42E-08	2.73E-07
397	564571.37	4191183.79	2.87E-06	1.02E-06	3.88E-06	4.60E-07	1.60E-07	6.19E-07	2.71E-07	1.14E-07	3.85E-07	2.25E-07	6.92E-08	2.94E-07
398	564573.56	4191193.4	3.08E-06	1.09E-06	4.17E-06	4.94E-07	1.71E-07	6.65E-07	2.91E-07	1.23E-07	4.14E-07	2.41E-07	7.43E-08	3.16E-07
399	564577.93	4191212.62	3.53E-06	1.25E-06	4.78E-06	5.66E-07	1.96E-07	7.62E-07	3.34E-07	1.41E-07	4.74E-07	2.77E-07	8.51E-08	3.62E-07
400	564580.11	4191222.23	3.74E-06	1.33E-06	5.07E-06	6.00E-07	2.08E-07	8.09E-07	3.54E-07	1.49E-07	5.03E-07	2.94E-07	9.03E-08	3.84E-07
401	564591.04	4191270.27	3.68E-06	1.31E-06	4.99E-06	5.91E-07	2.05E-07	7.96E-07	3.49E-07	1.47E-07	4.96E-07	2.89E-07	8.89E-08	3.78E-07
402	564593.22	4191279.88	3.35E-06	1.19E-06	4.54E-06	5.38E-07	1.87E-07	7.24E-07	3.17E-07	1.34E-07	4.51E-07	2.63E-07	8.09E-08	3.44E-07
403	564595.41	4191289.49	2.96E-06	1.05E-06	4.01E-06	4.75E-07	1.65E-07	6.39E-07	2.80E-07	1.18E-07	3.98E-07	2.32E-07	7.14E-08	3.04E-07
404	564597.6	4191299.1	2.55E-06	9.07E-07	3.46E-06	4.10E-07	1.42E-07	5.52E-07	2.42E-07	1.02E-07	3.43E-07	2.00E-07	6.16E-08	2.62E-07
405	564604.15	4191327.93	1.65E-06	5.86E-07	2.24E-06	2.65E-07	9.18E-08	3.56E-07	1.56E-07	6.58E-08	2.22E-07	1.29E-07	3.98E-08	1.69E-07
406	564606.34	4191337.54	1.48E-06	5.25E-07	2.00E-06	2.37E-07	8.22E-08	3.19E-07	1.40E-07	5.89E-08	1.99E-07	1.16E-07	3.56E-08	1.51E-07
407	564391.73	4191054.54	1.35E-06	4.81E-07	1.84E-06	2.17E-07	7.54E-08	2.93E-07	1.28E-07	5.40E-08	1.82E-07	1.06E-07	3.27E-08	1.39E-07
408	564381.9	4191052.88	1.32E-06	4.69E-07	1.79E-06	2.12E-07	7.35E-08	2.85E-07	1.25E-07	5.26E-08	1.78E-07	1.04E-07	3.19E-08	1.35E-07
409	564372.07	4191051.22	1.28E-06	4.55E-07	1.73E-06	2.05E-07	7.12E-08	2.76E-07	1.21E-07	5.10E-08	1.72E-07	1.00E-07	3.09E-08	1.31E-07
410	564362.24	4191049.56	1.23E-06	4.38E-07	1.67E-06	1.98E-07	6.87E-08	2.67E-07	1.17E-07	4.92E-08	1.66E-07	9.68E-08	2.98E-08	1.27E-07
411	564401.66	4191049.87	1.33E-06	4.72E-07	1.80E-06	2.13E-07	7.39E-08	2.87E-07	1.26E-07	5.29E-08	1.79E-07	1.04E-07	3.20E-08	1.36E-07
412	564467.75	4191091.36	1.69E-06	6.02E-07	2.29E-06	2.72E-07	9.43E-08	3.66E-07	1.60E-07	6.75E-08	2.28E-07	1.33E-07	4.09E-08	1.74E-07
413	564476.01	4191096.55	1.71E-06	6.07E-07	2.31E-06	2.74E-07	9.50E-08	3.69E-07	1.62E-07	6.81E-08	2.30E-07	1.34E-07	4.12E-08	1.75E-07
414	564484.28	4191101.73	1.73E-06	6.13E-07	2.34E-06	2.77E-07	9.61E-08	3.73E-07	1.63E-07	6.88E-08	2.32E-07	1.35E-07	4.17E-08	1.77E-07
415	564492.54	4191106.92	1.75E-06	6.23E-07	2.38E-06	2.81E-07	9.76E-08	3.79E-07	1.66E-07	6.99E-08	2.36E-07	1.38E-07	4.23E-08	1.80E-07
416	564500.8	4191112.11	1.79E-06	6.36E-07	2.43E-06	2.87E-07	9.96E-08	3.87E-07	1.69E-07	7.14E-08	2.41E-07	1.40E-07	4.32E-08	1.84E-07

417	564509.06	4191117.29	1.84E-06	6.52E-07	2.49E-06	2.94E-07	1.02E-07	3.97E-07	1.74E-07	7.32E-08	2.47E-07	1.44E-07	4.43E-08	1.88E-07
418	564517.32	4191122.48	1.89E-06	6.73E-07	2.57E-06	3.04E-07	1.05E-07	4.09E-07	1.79E-07	7.55E-08	2.55E-07	1.49E-07	4.57E-08	1.94E-07
419	564525.59	4191127.67	1.96E-06	6.97E-07	2.66E-06	3.15E-07	1.09E-07	4.24E-07	1.86E-07	7.82E-08	2.64E-07	1.54E-07	4.74E-08	2.01E-07
420	564533.85	4191132.85	2.04E-06	7.24E-07	2.76E-06	3.27E-07	1.13E-07	4.40E-07	1.93E-07	8.12E-08	2.74E-07	1.60E-07	4.92E-08	2.09E-07
421	564542.11	4191138.04	2.11E-06	7.49E-07	2.86E-06	3.38E-07	1.17E-07	4.55E-07	2.00E-07	8.40E-08	2.84E-07	1.65E-07	5.09E-08	2.16E-07
422	564550.37	4191143.23	2.17E-06	7.71E-07	2.94E-06	3.48E-07	1.21E-07	4.69E-07	2.05E-07	8.65E-08	2.92E-07	1.70E-07	5.24E-08	2.23E-07
423	564558.63	4191148.41	2.23E-06	7.91E-07	3.02E-06	3.57E-07	1.24E-07	4.81E-07	2.11E-07	8.88E-08	3.00E-07	1.75E-07	5.38E-08	2.28E-07
424	564566.9	4191153.6	2.26E-06	8.03E-07	3.06E-06	3.62E-07	1.26E-07	4.88E-07	2.14E-07	9.00E-08	3.04E-07	1.77E-07	5.45E-08	2.32E-07
425	564577.32	4191168.3	2.48E-06	8.80E-07	3.36E-06	3.97E-07	1.38E-07	5.35E-07	2.35E-07	9.88E-08	3.33E-07	1.94E-07	5.98E-08	2.54E-07
426	564579.48	4191177.81	2.66E-06	9.44E-07	3.60E-06	4.26E-07	1.48E-07	5.74E-07	2.51E-07	1.06E-07	3.57E-07	2.08E-07	6.41E-08	2.72E-07
427	564581.65	4191187.32	2.84E-06	1.01E-06	3.85E-06	4.55E-07	1.58E-07	6.13E-07	2.69E-07	1.13E-07	3.82E-07	2.23E-07	6.85E-08	2.91E-07
428	564596.79	4191253.91	3.70E-06	1.32E-06	5.02E-06	5.94E-07	2.06E-07	8.01E-07	3.51E-07	1.48E-07	4.98E-07	2.91E-07	8.94E-08	3.80E-07
429	564598.95	4191263.42	3.54E-06	1.26E-06	4.79E-06	5.67E-07	1.97E-07	7.64E-07	3.35E-07	1.41E-07	4.76E-07	2.77E-07	8.54E-08	3.63E-07
430	564601.12	4191272.93	3.27E-06	1.16E-06	4.44E-06	5.25E-07	1.82E-07	7.07E-07	3.10E-07	1.30E-07	4.40E-07	2.57E-07	7.90E-08	3.36E-07
431	564603.28	4191282.44	2.95E-06	1.05E-06	3.99E-06	4.72E-07	1.64E-07	6.36E-07	2.79E-07	1.17E-07	3.96E-07	2.31E-07	7.11E-08	3.02E-07
432	564605.44	4191291.96	2.58E-06	9.18E-07	3.50E-06	4.15E-07	1.44E-07	5.58E-07	2.45E-07	1.03E-07	3.48E-07	2.03E-07	6.24E-08	2.65E-07
433	564607.61	4191301.47	2.23E-06	7.93E-07	3.03E-06	3.58E-07	1.24E-07	4.82E-07	2.11E-07	8.90E-08	3.00E-07	1.75E-07	5.39E-08	2.29E-07
434	564393.39	4191044.68	1.27E-06	4.52E-07	1.72E-06	2.04E-07	7.07E-08	2.75E-07	1.20E-07	5.07E-08	1.71E-07	9.97E-08	3.07E-08	1.30E-07
435	564383.56	4191043.02	1.24E-06	4.41E-07	1.68E-06	1.99E-07	6.91E-08	2.68E-07	1.17E-07	4.95E-08	1.67E-07	9.73E-08	3.00E-08	1.27E-07
436	564373.73	4191041.36	1.20E-06	4.28E-07	1.63E-06	1.93E-07	6.70E-08	2.60E-07	1.14E-07	4.80E-08	1.62E-07	9.45E-08	2.91E-08	1.24E-07
437	564363.9	4191039.7	1.16E-06	4.13E-07	1.58E-06	1.86E-07	6.47E-08	2.51E-07	1.10E-07	4.63E-08	1.56E-07	9.12E-08	2.81E-08	1.19E-07
438	564403.24	4191039.96	1.24E-06	4.42E-07	1.69E-06	2.00E-07	6.93E-08	2.69E-07	1.18E-07	4.96E-08	1.67E-07	9.77E-08	3.01E-08	1.28E-07
439	564493.28	4191096.48	1.63E-06	5.80E-07	2.21E-06	2.62E-07	9.09E-08	3.53E-07	1.55E-07	6.51E-08	2.20E-07	1.28E-07	3.94E-08	1.68E-07
440	564501.46	4191101.62	1.66E-06	5.90E-07	2.25E-06	2.66E-07	9.24E-08	3.59E-07	1.57E-07	6.62E-08	2.23E-07	1.30E-07	4.01E-08	1.70E-07
441	564509.65	4191106.76	1.69E-06	6.02E-07	2.30E-06	2.72E-07	9.43E-08	3.66E-07	1.60E-07	6.75E-08	2.28E-07	1.33E-07	4.09E-08	1.74E-07
442	564517.83	4191111.89	1.74E-06	6.17E-07	2.35E-06	2.79E-07	9.67E-08	3.75E-07	1.64E-07	6.92E-08	2.34E-07	1.36E-07	4.19E-08	1.78E-07
443	564526.02	4191117.03	1.79E-06	6.36E-07	2.43E-06	2.87E-07	9.96E-08	3.87E-07	1.69E-07	7.13E-08	2.41E-07	1.40E-07	4.32E-08	1.84E-07
444	564534.2	4191122.17	1.85E-06	6.58E-07	2.51E-06	2.97E-07	1.03E-07	4.00E-07	1.75E-07	7.38E-08	2.49E-07	1.45E-07	4.47E-08	1.90E-07
445	564542.39	4191127.31	1.91E-06	6.80E-07	2.59E-06	3.07E-07	1.07E-07	4.14E-07	1.81E-07	7.63E-08	2.58E-07	1.50E-07	4.62E-08	1.96E-07
446	564550.57	4191132.45	1.98E-06	7.03E-07	2.68E-06	3.17E-07	1.10E-07	4.27E-07	1.87E-07	7.88E-08	2.66E-07	1.55E-07	4.77E-08	2.03E-07
447	564558.76	4191137.59	2.04E-06	7.24E-07	2.76E-06	3.27E-07	1.13E-07	4.40E-07	1.93E-07	8.12E-08	2.74E-07	1.60E-07	4.92E-08	2.09E-07
448	564566.94	4191142.72	2.09E-06	7.42E-07	2.83E-06	3.35E-07	1.16E-07	4.51E-07	1.98E-07	8.32E-08	2.81E-07	1.64E-07	5.04E-08	2.14E-07
449	564575.13	4191147.86	2.12E-06	7.52E-07	2.87E-06	3.39E-07	1.18E-07	4.57E-07	2.00E-07	8.43E-08	2.85E-07	1.66E-07	5.11E-08	2.17E-07
450	564585.46	4191162.42	2.31E-06	8.22E-07	3.14E-06	3.71E-07	1.29E-07	5.00E-07	2.19E-07	9.22E-08	3.11E-07	1.82E-07	5.58E-08	2.37E-07
451	564600.46	4191228.39	3.43E-06	1.22E-06	4.65E-06	5.51E-07	1.91E-07	7.42E-07	3.25E-07	1.37E-07	4.62E-07	2.69E-07	8.29E-08	3.52E-07
452	564602.6	4191237.81	3.50E-06	1.24E-06	4.74E-06	5.61E-07	1.95E-07	7.56E-07	3.31E-07	1.39E-07	4.71E-07	2.74E-07	8.44E-08	3.59E-07
453	564604.75	4191247.24	3.48E-06	1.24E-06	4.72E-06	5.59E-07	1.94E-07	7.52E-07	3.30E-07	1.39E-07	4.68E-07	2.73E-07	8.40E-08	3.57E-07
454	564606.89	4191256.66	3.37E-06	1.20E-06	4.57E-06	5.41E-07	1.88E-07	7.28E-07	3.19E-07	1.34E-07	4.54E-07	2.64E-07	8.14E-08	3.46E-07
455	564609.03	4191266.08	3.17E-06	1.13E-06	4.30E-06	5.09E-07	1.77E-07	6.85E-07	3.00E-07	1.26E-07	4.27E-07	2.49E-07	7.65E-08	3.25E-07
456	564611.17	4191275.51	2.90E-06	1.03E-06	3.93E-06	4.65E-07	1.61E-07	6.27E-07	2.75E-07	1.16E-07	3.90E-07	2.28E-07	7.00E-08	2.98E-07
457	564613.32	4191284.93	2.59E-06	9.21E-07	3.51E-06	4.16E-07	1.44E-07	5.60E-07	2.45E-07	1.03E-07	3.49E-07	2.03E-07	6.26E-08	2.66E-07
458	564615.46	4191294.35	2.27E-06	8.05E-07	3.07E-06	3.64E-07	1.26E-07	4.90E-07	2.15E-07	9.04E-08	3.05E-07	1.78E-07	5.47E-08	2.33E-07

459	564617.6	4191303.78	1.96E-06	6.98E-07	2.66E-06	3.15E-07	1.09E-07	4.24E-07	1.86E-07	7.83E-08	2.64E-07	1.54E-07	4.74E-08	2.01E-07
460	564626.18	4191341.47	1.22E-06	4.35E-07	1.66E-06	1.96E-07	6.81E-08	2.64E-07	1.16E-07	4.88E-08	1.65E-07	9.59E-08	2.95E-08	1.25E-07
461	564628.32	4191350.9	1.14E-06	4.04E-07	1.54E-06	1.82E-07	6.33E-08	2.46E-07	1.08E-07	4.53E-08	1.53E-07	8.91E-08	2.74E-08	1.17E-07
462	564630.46	4191360.32	1.07E-06	3.82E-07	1.46E-06	1.72E-07	5.98E-08	2.32E-07	1.02E-07	4.28E-08	1.44E-07	8.42E-08	2.59E-08	1.10E-07
463	564395.06	4191034.82	1.19E-06	4.24E-07	1.62E-06	1.92E-07	6.65E-08	2.58E-07	1.13E-07	4.76E-08	1.61E-07	9.37E-08	2.88E-08	1.22E-07
464	564385.23	4191033.16	1.17E-06	4.14E-07	1.58E-06	1.87E-07	6.49E-08	2.52E-07	1.10E-07	4.65E-08	1.57E-07	9.15E-08	2.81E-08	1.20E-07
465	564375.4	4191031.5	1.13E-06	4.03E-07	1.54E-06	1.82E-07	6.31E-08	2.45E-07	1.07E-07	4.52E-08	1.52E-07	8.89E-08	2.74E-08	1.16E-07
466	564365.57	4191029.84	1.10E-06	3.89E-07	1.48E-06	1.76E-07	6.10E-08	2.37E-07	1.04E-07	4.37E-08	1.47E-07	8.59E-08	2.64E-08	1.12E-07
467	564404.84	4191030.05	1.17E-06	4.16E-07	1.59E-06	1.88E-07	6.52E-08	2.53E-07	1.11E-07	4.67E-08	1.57E-07	9.18E-08	2.83E-08	1.20E-07
468	564453.53	4191060.62	1.44E-06	5.13E-07	1.96E-06	2.32E-07	8.04E-08	3.12E-07	1.37E-07	5.76E-08	1.94E-07	1.13E-07	3.49E-08	1.48E-07
469	564461.64	4191065.71	1.47E-06	5.23E-07	2.00E-06	2.36E-07	8.20E-08	3.18E-07	1.39E-07	5.87E-08	1.98E-07	1.16E-07	3.55E-08	1.51E-07
470	564469.75	4191070.8	1.49E-06	5.30E-07	2.02E-06	2.39E-07	8.31E-08	3.23E-07	1.41E-07	5.95E-08	2.01E-07	1.17E-07	3.60E-08	1.53E-07
471	564477.87	4191075.9	1.51E-06	5.35E-07	2.04E-06	2.42E-07	8.39E-08	3.26E-07	1.43E-07	6.01E-08	2.03E-07	1.18E-07	3.64E-08	1.55E-07
472	564518.44	4191101.37	1.60E-06	5.69E-07	2.17E-06	2.57E-07	8.91E-08	3.46E-07	1.52E-07	6.38E-08	2.15E-07	1.26E-07	3.87E-08	1.64E-07
473	564526.56	4191106.46	1.64E-06	5.84E-07	2.23E-06	2.64E-07	9.15E-08	3.55E-07	1.56E-07	6.55E-08	2.21E-07	1.29E-07	3.97E-08	1.69E-07
474	564534.67	4191111.56	1.69E-06	6.01E-07	2.29E-06	2.71E-07	9.42E-08	3.66E-07	1.60E-07	6.74E-08	2.28E-07	1.33E-07	4.08E-08	1.74E-07
475	564542.78	4191116.65	1.75E-06	6.20E-07	2.37E-06	2.80E-07	9.72E-08	3.77E-07	1.65E-07	6.96E-08	2.35E-07	1.37E-07	4.21E-08	1.79E-07
476	564550.9	4191121.75	1.80E-06	6.40E-07	2.44E-06	2.89E-07	1.00E-07	3.89E-07	1.70E-07	7.18E-08	2.42E-07	1.41E-07	4.35E-08	1.85E-07
477	564559.01	4191126.84	1.86E-06	6.60E-07	2.52E-06	2.98E-07	1.03E-07	4.01E-07	1.76E-07	7.40E-08	2.50E-07	1.46E-07	4.48E-08	1.90E-07
478	564567.13	4191131.93	1.91E-06	6.79E-07	2.59E-06	3.06E-07	1.06E-07	4.13E-07	1.81E-07	7.61E-08	2.57E-07	1.50E-07	4.61E-08	1.96E-07
479	564575.24	4191137.03	1.96E-06	6.96E-07	2.65E-06	3.14E-07	1.09E-07	4.23E-07	1.85E-07	7.80E-08	2.63E-07	1.54E-07	4.73E-08	2.01E-07
480	564583.36	4191142.12	1.98E-06	7.04E-07	2.68E-06	3.18E-07	1.10E-07	4.28E-07	1.88E-07	7.90E-08	2.66E-07	1.55E-07	4.78E-08	2.03E-07
481	564608.47	4191221.95	3.17E-06	1.13E-06	4.30E-06	5.09E-07	1.76E-07	6.85E-07	3.00E-07	1.26E-07	4.26E-07	2.49E-07	7.65E-08	3.25E-07
482	564610.59	4191231.3	3.25E-06	1.15E-06	4.40E-06	5.21E-07	1.81E-07	7.02E-07	3.08E-07	1.30E-07	4.37E-07	2.55E-07	7.84E-08	3.33E-07
483	564612.72	4191240.64	3.26E-06	1.16E-06	4.42E-06	5.23E-07	1.82E-07	7.05E-07	3.09E-07	1.30E-07	4.39E-07	2.56E-07	7.88E-08	3.35E-07
484	564614.84	4191249.98	3.20E-06	1.14E-06	4.33E-06	5.13E-07	1.78E-07	6.91E-07	3.03E-07	1.27E-07	4.30E-07	2.51E-07	7.72E-08	3.28E-07
485	564616.97	4191259.32	3.05E-06	1.08E-06	4.14E-06	4.90E-07	1.70E-07	6.59E-07	2.89E-07	1.22E-07	4.11E-07	2.39E-07	7.37E-08	3.13E-07
486	564619.09	4191268.67	2.83E-06	1.01E-06	3.84E-06	4.55E-07	1.58E-07	6.13E-07	2.68E-07	1.13E-07	3.81E-07	2.22E-07	6.84E-08	2.91E-07
487	564621.22	4191278.01	2.57E-06	9.13E-07	3.48E-06	4.12E-07	1.43E-07	5.55E-07	2.43E-07	1.02E-07	3.46E-07	2.02E-07	6.20E-08	2.64E-07
488	564623.34	4191287.35	2.29E-06	8.12E-07	3.10E-06	3.67E-07	1.27E-07	4.94E-07	2.16E-07	9.11E-08	3.07E-07	1.79E-07	5.52E-08	2.34E-07
489	564625.46	4191296.69	2.00E-06	7.10E-07	2.71E-06	3.21E-07	1.11E-07	4.32E-07	1.89E-07	7.97E-08	2.69E-07	1.57E-07	4.82E-08	2.05E-07
490	564627.59	4191306.04	1.74E-06	6.19E-07	2.36E-06	2.79E-07	9.69E-08	3.76E-07	1.65E-07	6.94E-08	2.34E-07	1.37E-07	4.20E-08	1.79E-07
491	564633.96	4191334.06	1.22E-06	4.34E-07	1.66E-06	1.96E-07	6.80E-08	2.64E-07	1.16E-07	4.87E-08	1.64E-07	9.58E-08	2.95E-08	1.25E-07
492	564636.09	4191343.41	1.12E-06	3.99E-07	1.52E-06	1.80E-07	6.24E-08	2.42E-07	1.06E-07	4.47E-08	1.51E-07	8.80E-08	2.71E-08	1.15E-07
493	564638.21	4191352.75	1.05E-06	3.72E-07	1.42E-06	1.68E-07	5.83E-08	2.26E-07	9.92E-08	4.18E-08	1.41E-07	8.22E-08	2.53E-08	1.08E-07
494	564640.34	4191362.09	9.95E-07	3.54E-07	1.35E-06	1.60E-07	5.54E-08	2.15E-07	9.42E-08	3.97E-08	1.34E-07	7.81E-08	2.40E-08	1.02E-07
495	564396.72	4191024.96	1.12E-06	4.00E-07	1.52E-06	1.80E-07	6.26E-08	2.43E-07	1.06E-07	4.48E-08	1.51E-07	8.82E-08	2.71E-08	1.15E-07
496	564386.89	4191023.3	1.10E-06	3.90E-07	1.49E-06	1.76E-07	6.11E-08	2.37E-07	1.04E-07	4.38E-08	1.48E-07	8.62E-08	2.65E-08	1.13E-07
497	564377.06	4191021.64	1.07E-06	3.80E-07	1.45E-06	1.71E-07	5.95E-08	2.31E-07	1.01E-07	4.26E-08	1.44E-07	8.38E-08	2.58E-08	1.10E-07
498	564367.23	4191019.98	1.03E-06	3.68E-07	1.40E-06	1.66E-07	5.76E-08	2.24E-07	9.79E-08	4.12E-08	1.39E-07	8.12E-08	2.50E-08	1.06E-07
499	564406.77	4191020.36	1.11E-06	3.93E-07	1.50E-06	1.77E-07	6.15E-08	2.39E-07	1.05E-07	4.41E-08	1.49E-07	8.67E-08	2.67E-08	1.13E-07
500	564457.08	4191051.94	1.36E-06	4.85E-07	1.85E-06	2.19E-07	7.59E-08	2.95E-07	1.29E-07	5.44E-08	1.83E-07	1.07E-07	3.29E-08	1.40E-07

501	564465.47	4191057.21	1.39E-06	4.94E-07	1.88E-06	2.23E-07	7.74E-08	3.00E-07	1.32E-07	5.54E-08	1.87E-07	1.09E-07	3.35E-08	1.43E-07
502	564473.85	4191062.47	1.41E-06	5.00E-07	1.91E-06	2.26E-07	7.84E-08	3.04E-07	1.33E-07	5.61E-08	1.89E-07	1.10E-07	3.40E-08	1.44E-07
503	564482.24	4191067.74	1.42E-06	5.05E-07	1.93E-06	2.28E-07	7.91E-08	3.07E-07	1.35E-07	5.66E-08	1.91E-07	1.11E-07	3.43E-08	1.46E-07
504	564490.62	4191073	1.43E-06	5.08E-07	1.94E-06	2.29E-07	7.96E-08	3.09E-07	1.35E-07	5.70E-08	1.92E-07	1.12E-07	3.45E-08	1.47E-07
505	564499.01	4191078.26	1.44E-06	5.12E-07	1.95E-06	2.31E-07	8.01E-08	3.11E-07	1.36E-07	5.74E-08	1.94E-07	1.13E-07	3.47E-08	1.48E-07
506	564507.39	4191083.53	1.45E-06	5.16E-07	1.97E-06	2.33E-07	8.09E-08	3.14E-07	1.38E-07	5.79E-08	1.95E-07	1.14E-07	3.51E-08	1.49E-07
507	564549.32	4191109.85	1.63E-06	5.81E-07	2.22E-06	2.62E-07	9.10E-08	3.53E-07	1.55E-07	6.52E-08	2.20E-07	1.28E-07	3.95E-08	1.68E-07
508	564557.7	4191115.11	1.69E-06	5.99E-07	2.29E-06	2.71E-07	9.39E-08	3.64E-07	1.60E-07	6.72E-08	2.27E-07	1.32E-07	4.07E-08	1.73E-07
509	564566.09	4191120.37	1.74E-06	6.17E-07	2.35E-06	2.79E-07	9.67E-08	3.75E-07	1.64E-07	6.93E-08	2.34E-07	1.36E-07	4.19E-08	1.78E-07
510	564574.47	4191125.64	1.79E-06	6.35E-07	2.42E-06	2.87E-07	9.95E-08	3.86E-07	1.69E-07	7.12E-08	2.40E-07	1.40E-07	4.31E-08	1.83E-07
511	564582.86	4191130.9	1.81E-06	6.44E-07	2.46E-06	2.91E-07	1.01E-07	3.92E-07	1.72E-07	7.23E-08	2.44E-07	1.42E-07	4.38E-08	1.86E-07
512	564591.24	4191136.17	1.85E-06	6.59E-07	2.51E-06	2.97E-07	1.03E-07	4.01E-07	1.76E-07	7.39E-08	2.49E-07	1.45E-07	4.48E-08	1.90E-07
513	564608.41	4191180.05	2.43E-06	8.64E-07	3.30E-06	3.90E-07	1.35E-07	5.25E-07	2.30E-07	9.69E-08	3.27E-07	1.91E-07	5.87E-08	2.49E-07
514	564610.61	4191189.7	2.57E-06	9.13E-07	3.48E-06	4.12E-07	1.43E-07	5.55E-07	2.43E-07	1.02E-07	3.46E-07	2.02E-07	6.20E-08	2.64E-07
515	564612.8	4191199.35	2.71E-06	9.63E-07	3.67E-06	4.35E-07	1.51E-07	5.85E-07	2.56E-07	1.08E-07	3.64E-07	2.12E-07	6.54E-08	2.78E-07
516	564617.19	4191218.66	2.96E-06	1.05E-06	4.02E-06	4.76E-07	1.65E-07	6.41E-07	2.81E-07	1.18E-07	3.99E-07	2.33E-07	7.16E-08	3.04E-07
517	564619.39	4191228.31	3.04E-06	1.08E-06	4.12E-06	4.87E-07	1.69E-07	6.56E-07	2.88E-07	1.21E-07	4.09E-07	2.38E-07	7.33E-08	3.12E-07
518	564621.58	4191237.97	3.05E-06	1.08E-06	4.13E-06	4.89E-07	1.70E-07	6.59E-07	2.89E-07	1.22E-07	4.10E-07	2.39E-07	7.36E-08	3.13E-07
519	564623.78	4191247.62	2.98E-06	1.06E-06	4.05E-06	4.79E-07	1.66E-07	6.45E-07	2.83E-07	1.19E-07	4.02E-07	2.34E-07	7.20E-08	3.06E-07
520	564625.97	4191257.28	2.84E-06	1.01E-06	3.85E-06	4.56E-07	1.58E-07	6.14E-07	2.69E-07	1.13E-07	3.83E-07	2.23E-07	6.86E-08	2.92E-07
521	564628.17	4191266.93	2.64E-06	9.37E-07	3.57E-06	4.23E-07	1.47E-07	5.70E-07	2.50E-07	1.05E-07	3.55E-07	2.07E-07	6.36E-08	2.71E-07
522	564630.36	4191276.58	2.39E-06	8.48E-07	3.24E-06	3.83E-07	1.33E-07	5.16E-07	2.26E-07	9.52E-08	3.21E-07	1.87E-07	5.76E-08	2.45E-07
523	564632.56	4191286.24	2.12E-06	7.53E-07	2.87E-06	3.40E-07	1.18E-07	4.58E-07	2.01E-07	8.45E-08	2.85E-07	1.66E-07	5.12E-08	2.17E-07
524	564634.75	4191295.89	1.85E-06	6.59E-07	2.51E-06	2.97E-07	1.03E-07	4.01E-07	1.76E-07	7.39E-08	2.49E-07	1.45E-07	4.48E-08	1.90E-07
525	564636.95	4191305.54	1.62E-06	5.75E-07	2.19E-06	2.59E-07	9.00E-08	3.49E-07	1.53E-07	6.45E-08	2.18E-07	1.27E-07	3.90E-08	1.66E-07
526	564643.54	4191334.51	1.13E-06	4.03E-07	1.54E-06	1.82E-07	6.31E-08	2.45E-07	1.07E-07	4.52E-08	1.53E-07	8.90E-08	2.74E-08	1.16E-07
527	564645.73	4191344.16	1.04E-06	3.70E-07	1.41E-06	1.67E-07	5.80E-08	2.25E-07	9.86E-08	4.15E-08	1.40E-07	8.17E-08	2.51E-08	1.07E-07
528	564647.93	4191353.81	9.74E-07	3.46E-07	1.32E-06	1.56E-07	5.42E-08	2.10E-07	9.22E-08	3.88E-08	1.31E-07	7.64E-08	2.35E-08	9.99E-08
529	564650.12	4191363.47	9.27E-07	3.29E-07	1.26E-06	1.49E-07	5.16E-08	2.00E-07	8.77E-08	3.69E-08	1.25E-07	7.27E-08	2.24E-08	9.51E-08
530	564398.39	4191015.1	1.06E-06	3.77E-07	1.44E-06	1.70E-07	5.91E-08	2.29E-07	1.00E-07	4.23E-08	1.43E-07	8.33E-08	2.56E-08	1.09E-07
531	564388.56	4191013.44	1.04E-06	3.69E-07	1.41E-06	1.66E-07	5.78E-08	2.24E-07	9.82E-08	4.14E-08	1.40E-07	8.14E-08	2.50E-08	1.06E-07
532	564378.73	4191011.78	1.01E-06	3.59E-07	1.37E-06	1.62E-07	5.63E-08	2.18E-07	9.57E-08	4.03E-08	1.36E-07	7.93E-08	2.44E-08	1.04E-07
533	564368.9	4191010.12	9.81E-07	3.49E-07	1.33E-06	1.57E-07	5.46E-08	2.12E-07	9.29E-08	3.91E-08	1.32E-07	7.70E-08	2.37E-08	1.01E-07
534	564307.42	4191314.1	1.62E-05	5.74E-06	2.19E-05	2.59E-06	8.99E-07	3.49E-06	1.53E-06	6.44E-07	2.17E-06	1.27E-06	3.90E-07	1.66E-06
535	564304.66	4191330.27	2.77E-05	9.83E-06	3.75E-05	4.44E-06	1.54E-06	5.98E-06	2.62E-06	1.10E-06	3.72E-06	2.17E-06	6.68E-07	2.84E-06
536	564301.89	4191346.44	3.97E-05	1.41E-05	5.38E-05	6.37E-06	2.21E-06	8.58E-06	3.76E-06	1.58E-06	5.34E-06	3.12E-06	9.59E-07	4.07E-06
537	564301.64	4191305.95	1.04E-05	3.71E-06	1.42E-05	1.68E-06	5.81E-07	2.26E-06	9.89E-07	4.16E-07	1.40E-06	8.19E-07	2.52E-07	1.07E-06
538	564296.18	4191320.5	1.34E-05	4.77E-06	1.82E-05	2.15E-06	7.48E-07	2.90E-06	1.27E-06	5.35E-07	1.81E-06	1.05E-06	3.24E-07	1.38E-06
539	564293.41	4191336.67	1.94E-05	6.90E-06	2.63E-05	3.11E-06	1.08E-06	4.19E-06	1.84E-06	7.74E-07	2.61E-06	1.52E-06	4.69E-07	1.99E-06
540	564290.65	4191352.84	2.35E-05	8.34E-06	3.18E-05	3.77E-06	1.31E-06	5.07E-06	2.22E-06	9.36E-07	3.16E-06	1.84E-06	5.67E-07	2.41E-06
541	564291.78	4191304.26	7.39E-06	2.63E-06	1.00E-05	1.19E-06	4.12E-07	1.60E-06	7.00E-07	2.95E-07	9.95E-07	5.80E-07	1.78E-07	7.59E-07
542	564307.37	4191289.62	8.88E-06	3.16E-06	1.20E-05	1.43E-06	4.95E-07	1.92E-06	8.41E-07	3.54E-07	1.20E-06	6.97E-07	2.14E-07	9.11E-07

543	564286.33	4191318.81	9.05E-06	3.22E-06	1.23E-05	1.45E-06	5.04E-07	1.96E-06	8.57E-07	3.61E-07	1.22E-06	7.10E-07	2.18E-07	9.28E-07
544	564283.56	4191334.98	1.19E-05	4.22E-06	1.61E-05	1.90E-06	6.61E-07	2.57E-06	1.12E-06	4.73E-07	1.60E-06	9.31E-07	2.87E-07	1.22E-06
545	564281.92	4191302.57	5.53E-06	1.96E-06	7.49E-06	8.87E-07	3.08E-07	1.19E-06	5.23E-07	2.20E-07	7.44E-07	4.34E-07	1.33E-07	5.67E-07
546	564290.07	4191289.63	5.04E-06	1.79E-06	6.83E-06	8.08E-07	2.80E-07	1.09E-06	4.77E-07	2.01E-07	6.78E-07	3.95E-07	1.22E-07	5.17E-07
547	564301.59	4191281.46	6.21E-06	2.21E-06	8.42E-06	9.97E-07	3.46E-07	1.34E-06	5.88E-07	2.48E-07	8.36E-07	4.87E-07	1.50E-07	6.37E-07
548	564276.47	4191317.12	6.46E-06	2.30E-06	8.75E-06	1.04E-06	3.60E-07	1.40E-06	6.11E-07	2.57E-07	8.69E-07	5.07E-07	1.56E-07	6.63E-07
549	564273.7	4191333.29	7.94E-06	2.82E-06	1.08E-05	1.27E-06	4.42E-07	1.72E-06	7.52E-07	3.17E-07	1.07E-06	6.23E-07	1.92E-07	8.15E-07
550	564272.07	4191300.88	4.31E-06	1.53E-06	5.84E-06	6.92E-07	2.40E-07	9.32E-07	4.08E-07	1.72E-07	5.80E-07	3.38E-07	1.04E-07	4.42E-07
551	564280.21	4191287.95	3.94E-06	1.40E-06	5.34E-06	6.33E-07	2.20E-07	8.52E-07	3.73E-07	1.57E-07	5.30E-07	3.09E-07	9.52E-08	4.05E-07
552	564295.8	4191273.3	4.57E-06	1.62E-06	6.19E-06	7.33E-07	2.54E-07	9.87E-07	4.32E-07	1.82E-07	6.14E-07	3.58E-07	1.10E-07	4.68E-07
553	564310.7	4191269.9	7.33E-06	2.61E-06	9.94E-06	1.18E-06	4.08E-07	1.58E-06	6.94E-07	2.92E-07	9.87E-07	5.75E-07	1.77E-07	7.52E-07
554	564266.61	4191315.44	4.83E-06	1.72E-06	6.55E-06	7.75E-07	2.69E-07	1.04E-06	4.58E-07	1.93E-07	6.50E-07	3.79E-07	1.17E-07	4.96E-07
555	564263.85	4191331.6	5.68E-06	2.02E-06	7.70E-06	9.12E-07	3.16E-07	1.23E-06	5.38E-07	2.27E-07	7.64E-07	4.46E-07	1.37E-07	5.83E-07
556	564262.21	4191299.2	3.46E-06	1.23E-06	4.68E-06	5.55E-07	1.92E-07	7.47E-07	3.27E-07	1.38E-07	4.65E-07	2.71E-07	8.34E-08	3.55E-07
557	564270.35	4191286.26	3.22E-06	1.14E-06	4.36E-06	5.16E-07	1.79E-07	6.95E-07	3.04E-07	1.28E-07	4.33E-07	2.52E-07	7.76E-08	3.30E-07
558	564278.49	4191273.32	2.97E-06	1.06E-06	4.03E-06	4.77E-07	1.65E-07	6.42E-07	2.81E-07	1.18E-07	4.00E-07	2.33E-07	7.17E-08	3.05E-07
559	564256.76	4191313.75	3.75E-06	1.33E-06	5.08E-06	6.02E-07	2.09E-07	8.11E-07	3.55E-07	1.50E-07	5.05E-07	2.94E-07	9.05E-08	3.85E-07
560	564253.99	4191329.92	4.27E-06	1.52E-06	5.78E-06	6.85E-07	2.38E-07	9.22E-07	4.04E-07	1.70E-07	5.74E-07	3.35E-07	1.03E-07	4.38E-07
561	564252.35	4191297.51	2.82E-06	1.00E-06	3.82E-06	4.52E-07	1.57E-07	6.09E-07	2.67E-07	1.12E-07	3.79E-07	2.21E-07	6.80E-08	2.89E-07
562	564260.5	4191284.57	2.68E-06	9.52E-07	3.63E-06	4.30E-07	1.49E-07	5.79E-07	2.54E-07	1.07E-07	3.60E-07	2.10E-07	6.46E-08	2.75E-07
563	564268.64	4191271.63	2.45E-06	8.70E-07	3.32E-06	3.93E-07	1.36E-07	5.29E-07	2.32E-07	9.76E-08	3.30E-07	1.92E-07	5.91E-08	2.51E-07
564	564314.03	4191250.18	6.03E-06	2.14E-06	8.17E-06	9.67E-07	3.36E-07	1.30E-06	5.71E-07	2.40E-07	8.11E-07	4.73E-07	1.46E-07	6.19E-07
565	564246.9	4191312.06	2.99E-06	1.06E-06	4.06E-06	4.80E-07	1.67E-07	6.47E-07	2.83E-07	1.19E-07	4.03E-07	2.35E-07	7.22E-08	3.07E-07
566	564244.13	4191328.23	3.32E-06	1.18E-06	4.50E-06	5.33E-07	1.85E-07	7.18E-07	3.15E-07	1.32E-07	4.47E-07	2.61E-07	8.02E-08	3.41E-07
567	564242.5	4191295.82	2.34E-06	8.32E-07	3.17E-06	3.75E-07	1.30E-07	5.06E-07	2.22E-07	9.33E-08	3.15E-07	1.84E-07	5.65E-08	2.40E-07
568	564250.64	4191282.88	2.26E-06	8.02E-07	3.06E-06	3.62E-07	1.26E-07	4.88E-07	2.14E-07	9.00E-08	3.04E-07	1.77E-07	5.45E-08	2.32E-07
569	564258.78	4191269.95	2.08E-06	7.39E-07	2.82E-06	3.34E-07	1.16E-07	4.49E-07	1.97E-07	8.29E-08	2.80E-07	1.63E-07	5.02E-08	2.13E-07
570	564278.45	4191248.84	2.22E-06	7.90E-07	3.01E-06	3.57E-07	1.24E-07	4.81E-07	2.11E-07	8.87E-08	2.99E-07	1.74E-07	5.37E-08	2.28E-07
571	564293.35	4191245.43	3.16E-06	1.12E-06	4.28E-06	5.07E-07	1.76E-07	6.82E-07	2.99E-07	1.26E-07	4.25E-07	2.48E-07	7.62E-08	3.24E-07
572	564308.25	4191242.02	4.62E-06	1.64E-06	6.26E-06	7.41E-07	2.57E-07	9.98E-07	4.37E-07	1.84E-07	6.21E-07	3.62E-07	1.11E-07	4.74E-07
573	564237.04	4191310.37	2.44E-06	8.68E-07	3.31E-06	3.92E-07	1.36E-07	5.28E-07	2.31E-07	9.74E-08	3.29E-07	1.92E-07	5.90E-08	2.51E-07
574	564234.28	4191326.54	2.66E-06	9.46E-07	3.61E-06	4.27E-07	1.48E-07	5.75E-07	2.52E-07	1.06E-07	3.58E-07	2.09E-07	6.43E-08	2.73E-07
575	564232.64	4191294.13	1.97E-06	7.01E-07	2.67E-06	3.16E-07	1.10E-07	4.26E-07	1.87E-07	7.86E-08	2.65E-07	1.55E-07	4.76E-08	2.02E-07
576	564240.78	4191281.2	1.93E-06	6.85E-07	2.61E-06	3.09E-07	1.07E-07	4.17E-07	1.83E-07	7.69E-08	2.59E-07	1.51E-07	4.65E-08	1.98E-07
577	564248.93	4191268.26	1.80E-06	6.39E-07	2.44E-06	2.89E-07	1.00E-07	3.89E-07	1.70E-07	7.17E-08	2.42E-07	1.41E-07	4.34E-08	1.85E-07
578	564272.66	4191240.68	1.84E-06	6.53E-07	2.49E-06	2.95E-07	1.02E-07	3.97E-07	1.74E-07	7.33E-08	2.47E-07	1.44E-07	4.44E-08	1.89E-07
579	564287.56	4191237.27	2.52E-06	8.96E-07	3.42E-06	4.04E-07	1.40E-07	5.45E-07	2.39E-07	1.01E-07	3.39E-07	1.98E-07	6.09E-08	2.59E-07
580	564302.46	4191233.86	3.62E-06	1.29E-06	4.90E-06	5.81E-07	2.01E-07	7.82E-07	3.43E-07	1.44E-07	4.87E-07	2.84E-07	8.74E-08	3.71E-07
581	564317.36	4191230.45	4.92E-06	1.75E-06	6.67E-06	7.89E-07	2.74E-07	1.06E-06	4.66E-07	1.96E-07	6.62E-07	3.86E-07	1.19E-07	5.05E-07
582	564227.19	4191308.69	2.03E-06	7.22E-07	2.75E-06	3.26E-07	1.13E-07	4.39E-07	1.92E-07	8.10E-08	2.73E-07	1.59E-07	4.90E-08	2.08E-07
583	564224.42	4191324.85	2.18E-06	7.76E-07	2.96E-06	3.50E-07	1.22E-07	4.72E-07	2.07E-07	8.70E-08	2.94E-07	1.71E-07	5.27E-08	2.24E-07
584	564222.78	4191292.45	1.68E-06	5.98E-07	2.28E-06	2.70E-07	9.37E-08	3.64E-07	1.59E-07	6.71E-08	2.27E-07	1.32E-07	4.06E-08	1.73E-07

585	564230.93	4191279.51	1.67E-06	5.92E-07	2.26E-06	2.67E-07	9.28E-08	3.60E-07	1.58E-07	6.64E-08	2.24E-07	1.31E-07	4.02E-08	1.71E-07
586	564239.07	4191266.57	1.58E-06	5.60E-07	2.14E-06	2.53E-07	8.77E-08	3.40E-07	1.49E-07	6.28E-08	2.12E-07	1.24E-07	3.80E-08	1.62E-07
587	564255.35	4191240.7	1.39E-06	4.96E-07	1.89E-06	2.24E-07	7.76E-08	3.01E-07	1.32E-07	5.56E-08	1.88E-07	1.09E-07	3.37E-08	1.43E-07
588	564266.87	4191232.52	1.55E-06	5.49E-07	2.10E-06	2.48E-07	8.61E-08	3.34E-07	1.46E-07	6.16E-08	2.08E-07	1.21E-07	3.73E-08	1.59E-07
589	564281.78	4191229.11	2.06E-06	7.31E-07	2.79E-06	3.30E-07	1.15E-07	4.45E-07	1.95E-07	8.20E-08	2.77E-07	1.61E-07	4.97E-08	2.11E-07
590	564296.68	4191225.71	2.89E-06	1.03E-06	3.92E-06	4.64E-07	1.61E-07	6.25E-07	2.74E-07	1.15E-07	3.89E-07	2.27E-07	6.98E-08	2.97E-07
591	564311.58	4191222.3	3.92E-06	1.39E-06	5.31E-06	6.28E-07	2.18E-07	8.46E-07	3.71E-07	1.56E-07	5.27E-07	3.07E-07	9.45E-08	4.02E-07
592	564217.33	4191307	1.72E-06	6.10E-07	2.33E-06	2.75E-07	9.55E-08	3.71E-07	1.62E-07	6.84E-08	2.31E-07	1.35E-07	4.14E-08	1.76E-07
593	564214.56	4191323.17	1.82E-06	6.48E-07	2.47E-06	2.92E-07	1.01E-07	3.94E-07	1.73E-07	7.27E-08	2.45E-07	1.43E-07	4.40E-08	1.87E-07
594	564212.93	4191290.76	1.45E-06	5.17E-07	1.97E-06	2.33E-07	8.09E-08	3.14E-07	1.38E-07	5.79E-08	1.96E-07	1.14E-07	3.51E-08	1.49E-07
595	564221.07	4191277.82	1.45E-06	5.16E-07	1.97E-06	2.33E-07	8.08E-08	3.14E-07	1.37E-07	5.79E-08	1.95E-07	1.14E-07	3.50E-08	1.49E-07
596	564229.21	4191264.88	1.39E-06	4.94E-07	1.88E-06	2.23E-07	7.74E-08	3.00E-07	1.32E-07	5.54E-08	1.87E-07	1.09E-07	3.36E-08	1.43E-07
597	564245.5	4191239.01	1.22E-06	4.34E-07	1.66E-06	1.96E-07	6.80E-08	2.64E-07	1.16E-07	4.87E-08	1.64E-07	9.58E-08	2.95E-08	1.25E-07
598	564261.09	4191224.37	1.32E-06	4.69E-07	1.79E-06	2.12E-07	7.35E-08	2.85E-07	1.25E-07	5.26E-08	1.78E-07	1.04E-07	3.19E-08	1.35E-07
599	564275.99	4191220.96	1.71E-06	6.07E-07	2.31E-06	2.74E-07	9.50E-08	3.69E-07	1.62E-07	6.81E-08	2.30E-07	1.34E-07	4.12E-08	1.75E-07
600	564290.89	4191217.55	2.34E-06	8.30E-07	3.17E-06	3.75E-07	1.30E-07	5.05E-07	2.21E-07	9.31E-08	3.14E-07	1.83E-07	5.64E-08	2.40E-07
601	564305.79	4191214.14	3.15E-06	1.12E-06	4.27E-06	5.05E-07	1.75E-07	6.81E-07	2.98E-07	1.26E-07	4.24E-07	2.47E-07	7.60E-08	3.23E-07
602	564320.69	4191210.73	3.97E-06	1.41E-06	5.38E-06	6.36E-07	2.21E-07	8.57E-07	3.75E-07	1.58E-07	5.34E-07	3.11E-07	9.57E-08	4.07E-07
603	564207.47	4191305.31	1.47E-06	5.22E-07	1.99E-06	2.36E-07	8.18E-08	3.18E-07	1.39E-07	5.86E-08	1.98E-07	1.15E-07	3.55E-08	1.51E-07
604	564204.71	4191321.48	1.55E-06	5.50E-07	2.10E-06	2.48E-07	8.61E-08	3.34E-07	1.46E-07	6.17E-08	2.08E-07	1.21E-07	3.73E-08	1.59E-07
605	564203.07	4191289.07	1.27E-06	4.50E-07	1.72E-06	2.03E-07	7.05E-08	2.74E-07	1.20E-07	5.05E-08	1.70E-07	9.94E-08	3.06E-08	1.30E-07
606	564211.21	4191276.13	1.28E-06	4.53E-07	1.73E-06	2.05E-07	7.10E-08	2.76E-07	1.21E-07	5.08E-08	1.72E-07	1.00E-07	3.08E-08	1.31E-07
607	564219.36	4191263.2	1.23E-06	4.38E-07	1.67E-06	1.98E-07	6.86E-08	2.66E-07	1.17E-07	4.92E-08	1.66E-07	9.67E-08	2.98E-08	1.27E-07
608	564235.64	4191237.32	1.09E-06	3.86E-07	1.47E-06	1.74E-07	6.05E-08	2.35E-07	1.03E-07	4.33E-08	1.46E-07	8.53E-08	2.62E-08	1.12E-07
609	564243.78	4191224.38	1.05E-06	3.72E-07	1.42E-06	1.68E-07	5.83E-08	2.26E-07	9.92E-08	4.18E-08	1.41E-07	8.22E-08	2.53E-08	1.07E-07
610	564255.3	4191216.21	1.14E-06	4.06E-07	1.55E-06	1.83E-07	6.36E-08	2.47E-07	1.08E-07	4.55E-08	1.54E-07	8.96E-08	2.76E-08	1.17E-07
611	564270.2	4191212.8	1.44E-06	5.12E-07	1.95E-06	2.31E-07	8.02E-08	3.11E-07	1.36E-07	5.75E-08	1.94E-07	1.13E-07	3.48E-08	1.48E-07
612	564285.11	4191209.39	1.93E-06	6.84E-07	2.61E-06	3.09E-07	1.07E-07	4.16E-07	1.82E-07	7.68E-08	2.59E-07	1.51E-07	4.65E-08	1.98E-07
613	564300.01	4191205.99	2.57E-06	9.14E-07	3.48E-06	4.12E-07	1.43E-07	5.56E-07	2.43E-07	1.02E-07	3.46E-07	2.02E-07	6.21E-08	2.64E-07
614	564314.91	4191202.58	3.26E-06	1.16E-06	4.42E-06	5.23E-07	1.81E-07	7.04E-07	3.08E-07	1.30E-07	4.38E-07	2.56E-07	7.87E-08	3.34E-07
615	564197.62	4191303.62	1.27E-06	4.53E-07	1.73E-06	2.05E-07	7.10E-08	2.75E-07	1.21E-07	5.08E-08	1.72E-07	1.00E-07	3.08E-08	1.31E-07
616	564194.85	4191319.79	1.34E-06	4.75E-07	1.81E-06	2.14E-07	7.43E-08	2.89E-07	1.26E-07	5.32E-08	1.80E-07	1.05E-07	3.22E-08	1.37E-07
617	564201.36	4191274.45	1.13E-06	4.01E-07	1.53E-06	1.81E-07	6.28E-08	2.44E-07	1.07E-07	4.50E-08	1.52E-07	8.85E-08	2.72E-08	1.16E-07
618	564209.5	4191261.51	1.10E-06	3.91E-07	1.49E-06	1.77E-07	6.13E-08	2.38E-07	1.04E-07	4.39E-08	1.48E-07	8.63E-08	2.66E-08	1.13E-07
619	564225.78	4191235.63	9.79E-07	3.48E-07	1.33E-06	1.57E-07	5.45E-08	2.11E-07	9.26E-08	3.90E-08	1.32E-07	7.68E-08	2.36E-08	1.00E-07
620	564233.92	4191222.7	9.32E-07	3.31E-07	1.26E-06	1.50E-07	5.19E-08	2.02E-07	8.83E-08	3.72E-08	1.25E-07	7.32E-08	2.25E-08	9.57E-08
621	564249.52	4191208.05	9.99E-07	3.55E-07	1.35E-06	1.60E-07	5.56E-08	2.16E-07	9.46E-08	3.98E-08	1.34E-07	7.84E-08	2.41E-08	1.03E-07
622	564264.42	4191204.65	1.24E-06	4.40E-07	1.68E-06	1.98E-07	6.89E-08	2.67E-07	1.17E-07	4.93E-08	1.66E-07	9.70E-08	2.99E-08	1.27E-07
623	564279.32	4191201.24	1.62E-06	5.74E-07	2.19E-06	2.59E-07	8.99E-08	3.49E-07	1.53E-07	6.44E-08	2.17E-07	1.27E-07	3.90E-08	1.66E-07
624	564294.22	4191197.83	2.12E-06	7.55E-07	2.88E-06	3.41E-07	1.18E-07	4.59E-07	2.01E-07	8.47E-08	2.86E-07	1.67E-07	5.13E-08	2.18E-07
625	564309.12	4191194.42	2.71E-06	9.63E-07	3.67E-06	4.35E-07	1.51E-07	5.86E-07	2.57E-07	1.08E-07	3.65E-07	2.13E-07	6.54E-08	2.78E-07
626	564324.03	4191191.01	3.25E-06	1.15E-06	4.40E-06	5.21E-07	1.81E-07	7.02E-07	3.08E-07	1.30E-07	4.37E-07	2.55E-07	7.84E-08	3.33E-07

627	564183.36	4191285.7	9.87E-07	3.51E-07	1.34E-06	1.58E-07	5.49E-08	2.13E-07	9.34E-08	3.93E-08	1.33E-07	7.74E-08	2.38E-08	1.01E-07
628	564215.93	4191233.95	8.89E-07	3.16E-07	1.20E-06	1.43E-07	4.95E-08	1.92E-07	8.41E-08	3.54E-08	1.20E-07	6.97E-08	2.15E-08	9.12E-08
629	564224.07	4191221.01	8.44E-07	3.00E-07	1.14E-06	1.35E-07	4.70E-08	1.82E-07	7.99E-08	3.37E-08	1.14E-07	6.62E-08	2.04E-08	8.66E-08
630	564232.21	4191208.07	8.21E-07	2.92E-07	1.11E-06	1.32E-07	4.57E-08	1.77E-07	7.77E-08	3.27E-08	1.10E-07	6.44E-08	1.98E-08	8.42E-08
631	564243.73	4191199.9	8.83E-07	3.14E-07	1.20E-06	1.42E-07	4.91E-08	1.91E-07	8.36E-08	3.52E-08	1.19E-07	6.92E-08	2.13E-08	9.06E-08
632	564258.63	4191196.49	1.07E-06	3.81E-07	1.45E-06	1.72E-07	5.97E-08	2.32E-07	1.02E-07	4.28E-08	1.44E-07	8.42E-08	2.59E-08	1.10E-07
633	564273.53	4191193.08	1.37E-06	4.88E-07	1.86E-06	2.20E-07	7.65E-08	2.97E-07	1.30E-07	5.48E-08	1.85E-07	1.08E-07	3.32E-08	1.41E-07
634	564288.44	4191189.67	1.79E-06	6.38E-07	2.43E-06	2.88E-07	9.99E-08	3.88E-07	1.70E-07	7.15E-08	2.41E-07	1.41E-07	4.33E-08	1.84E-07
635	564303.34	4191186.26	2.29E-06	8.13E-07	3.10E-06	3.67E-07	1.27E-07	4.95E-07	2.17E-07	9.12E-08	3.08E-07	1.80E-07	5.52E-08	2.35E-07
636	564318.24	4191182.86	2.77E-06	9.83E-07	3.75E-06	4.44E-07	1.54E-07	5.98E-07	2.62E-07	1.10E-07	3.72E-07	2.17E-07	6.68E-08	2.84E-07
637	564177.9	4191300.25	9.87E-07	3.51E-07	1.34E-06	1.58E-07	5.50E-08	2.13E-07	9.35E-08	3.94E-08	1.33E-07	7.75E-08	2.38E-08	1.01E-07
638	564175.14	4191316.42	1.03E-06	3.65E-07	1.39E-06	1.65E-07	5.72E-08	2.22E-07	9.73E-08	4.10E-08	1.38E-07	8.06E-08	2.48E-08	1.05E-07
639	564172.37	4191332.59	1.09E-06	3.87E-07	1.48E-06	1.75E-07	6.06E-08	2.35E-07	1.03E-07	4.34E-08	1.46E-07	8.54E-08	2.63E-08	1.12E-07
640	564173.79	4191283.55	8.81E-07	3.13E-07	1.19E-06	1.41E-07	4.91E-08	1.90E-07	8.34E-08	3.51E-08	1.19E-07	6.91E-08	2.13E-08	9.04E-08
641	564182.52	4191269.69	9.01E-07	3.20E-07	1.22E-06	1.45E-07	5.02E-08	1.95E-07	8.53E-08	3.59E-08	1.21E-07	7.07E-08	2.17E-08	9.24E-08
642	564208.69	4191228.1	7.98E-07	2.84E-07	1.08E-06	1.28E-07	4.44E-08	1.72E-07	7.55E-08	3.18E-08	1.07E-07	6.26E-08	1.93E-08	8.18E-08
643	564217.41	4191214.24	7.59E-07	2.70E-07	1.03E-06	1.22E-07	4.22E-08	1.64E-07	7.18E-08	3.02E-08	1.02E-07	5.95E-08	1.83E-08	7.78E-08
644	564226.13	4191200.38	7.37E-07	2.62E-07	9.99E-07	1.18E-07	4.11E-08	1.59E-07	6.98E-08	2.94E-08	9.92E-08	5.79E-08	1.78E-08	7.57E-08
645	564238.48	4191191.62	7.90E-07	2.81E-07	1.07E-06	1.27E-07	4.40E-08	1.71E-07	7.48E-08	3.15E-08	1.06E-07	6.20E-08	1.91E-08	8.11E-08
646	564254.44	4191187.97	9.58E-07	3.41E-07	1.30E-06	1.54E-07	5.33E-08	2.07E-07	9.07E-08	3.82E-08	1.29E-07	7.52E-08	2.31E-08	9.83E-08
647	564270.41	4191184.32	1.24E-06	4.39E-07	1.67E-06	1.98E-07	6.88E-08	2.67E-07	1.17E-07	4.92E-08	1.66E-07	9.69E-08	2.98E-08	1.27E-07
648	564286.38	4191180.66	1.63E-06	5.79E-07	2.21E-06	2.61E-07	9.07E-08	3.52E-07	1.54E-07	6.49E-08	2.19E-07	1.28E-07	3.93E-08	1.67E-07
649	564302.34	4191177.01	2.09E-06	7.42E-07	2.83E-06	3.35E-07	1.16E-07	4.51E-07	1.98E-07	8.32E-08	2.81E-07	1.64E-07	5.04E-08	2.14E-07
650	564318.31	4191173.36	2.52E-06	8.97E-07	3.42E-06	4.05E-07	1.41E-07	5.45E-07	2.39E-07	1.01E-07	3.40E-07	1.98E-07	6.09E-08	2.59E-07
651	564168.05	4191298.56	8.79E-07	3.12E-07	1.19E-06	1.41E-07	4.89E-08	1.90E-07	8.32E-08	3.50E-08	1.18E-07	6.89E-08	2.12E-08	9.02E-08
652	564165.28	4191314.73	9.09E-07	3.23E-07	1.23E-06	1.46E-07	5.06E-08	1.97E-07	8.61E-08	3.63E-08	1.22E-07	7.13E-08	2.19E-08	9.33E-08
653	564162.51	4191330.9	9.60E-07	3.41E-07	1.30E-06	1.54E-07	5.34E-08	2.07E-07	9.09E-08	3.83E-08	1.29E-07	7.53E-08	2.32E-08	9.85E-08
654	564163.92	4191281.89	7.95E-07	2.82E-07	1.08E-06	1.27E-07	4.42E-08	1.72E-07	7.52E-08	3.17E-08	1.07E-07	6.23E-08	1.92E-08	8.15E-08
655	564172.6	4191268.09	8.12E-07	2.89E-07	1.10E-06	1.30E-07	4.52E-08	1.76E-07	7.69E-08	3.24E-08	1.09E-07	6.37E-08	1.96E-08	8.33E-08
656	564181.29	4191254.29	8.05E-07	2.86E-07	1.09E-06	1.29E-07	4.48E-08	1.74E-07	7.62E-08	3.21E-08	1.08E-07	6.31E-08	1.94E-08	8.26E-08
657	564207.34	4191212.89	6.97E-07	2.48E-07	9.45E-07	1.12E-07	3.88E-08	1.51E-07	6.60E-08	2.78E-08	9.38E-08	5.47E-08	1.68E-08	7.15E-08
658	564216.02	4191199.09	6.73E-07	2.39E-07	9.12E-07	1.08E-07	3.75E-08	1.45E-07	6.37E-08	2.68E-08	9.05E-08	5.28E-08	1.62E-08	6.90E-08
659	564232.66	4191183.47	7.09E-07	2.52E-07	9.61E-07	1.14E-07	3.95E-08	1.53E-07	6.71E-08	2.83E-08	9.53E-08	5.56E-08	1.71E-08	7.27E-08
660	564248.55	4191179.84	8.44E-07	3.00E-07	1.14E-06	1.35E-07	4.70E-08	1.82E-07	7.99E-08	3.36E-08	1.14E-07	6.62E-08	2.04E-08	8.66E-08
661	564264.45	4191176.2	1.06E-06	3.78E-07	1.44E-06	1.71E-07	5.93E-08	2.30E-07	1.01E-07	4.24E-08	1.43E-07	8.35E-08	2.57E-08	1.09E-07
662	564280.34	4191172.56	1.39E-06	4.94E-07	1.88E-06	2.23E-07	7.74E-08	3.00E-07	1.32E-07	5.54E-08	1.87E-07	1.09E-07	3.36E-08	1.43E-07
663	564296.24	4191168.93	1.78E-06	6.34E-07	2.42E-06	2.86E-07	9.93E-08	3.85E-07	1.69E-07	7.11E-08	2.40E-07	1.40E-07	4.30E-08	1.83E-07
664	564312.13	4191165.29	2.17E-06	7.72E-07	2.95E-06	3.49E-07	1.21E-07	4.70E-07	2.06E-07	8.67E-08	2.92E-07	1.71E-07	5.25E-08	2.23E-07
665	564158.19	4191296.87	7.88E-07	2.80E-07	1.07E-06	1.26E-07	4.39E-08	1.70E-07	7.46E-08	3.14E-08	1.06E-07	6.18E-08	1.90E-08	8.08E-08
666	564155.42	4191313.04	8.10E-07	2.88E-07	1.10E-06	1.30E-07	4.51E-08	1.75E-07	7.67E-08	3.23E-08	1.09E-07	6.36E-08	1.96E-08	8.31E-08
667	564152.65	4191329.21	8.53E-07	3.03E-07	1.16E-06	1.37E-07	4.75E-08	1.84E-07	8.08E-08	3.40E-08	1.15E-07	6.69E-08	2.06E-08	8.75E-08
668	564154.04	4191280.23	7.20E-07	2.56E-07	9.76E-07	1.15E-07	4.01E-08	1.56E-07	6.81E-08	2.87E-08	9.68E-08	5.65E-08	1.74E-08	7.39E-08

669	564162.69	4191266.48	7.39E-07	2.63E-07	1.00E-06	1.19E-07	4.11E-08	1.60E-07	6.99E-08	2.94E-08	9.94E-08	5.80E-08	1.78E-08	7.58E-08
670	564171.34	4191252.74	7.34E-07	2.61E-07	9.95E-07	1.18E-07	4.09E-08	1.59E-07	6.95E-08	2.93E-08	9.88E-08	5.76E-08	1.77E-08	7.53E-08
671	564180	4191238.99	7.09E-07	2.52E-07	9.61E-07	1.14E-07	3.95E-08	1.53E-07	6.72E-08	2.83E-08	9.54E-08	5.57E-08	1.71E-08	7.28E-08
672	564188.65	4191225.24	6.75E-07	2.40E-07	9.14E-07	1.08E-07	3.76E-08	1.46E-07	6.39E-08	2.69E-08	9.08E-08	5.29E-08	1.63E-08	6.92E-08
673	564214.6	4191184.01	6.03E-07	2.14E-07	8.18E-07	9.68E-08	3.36E-08	1.30E-07	5.71E-08	2.41E-08	8.12E-08	4.73E-08	1.46E-08	6.19E-08
674	564226.84	4191175.32	6.40E-07	2.27E-07	8.67E-07	1.03E-07	3.56E-08	1.38E-07	6.06E-08	2.55E-08	8.61E-08	5.02E-08	1.54E-08	6.57E-08
675	564242.67	4191171.7	7.51E-07	2.67E-07	1.02E-06	1.20E-07	4.18E-08	1.62E-07	7.11E-08	2.99E-08	1.01E-07	5.89E-08	1.81E-08	7.70E-08
676	564258.51	4191168.08	9.28E-07	3.30E-07	1.26E-06	1.49E-07	5.17E-08	2.01E-07	8.79E-08	3.70E-08	1.25E-07	7.28E-08	2.24E-08	9.52E-08
677	564274.34	4191164.46	1.20E-06	4.25E-07	1.62E-06	1.92E-07	6.66E-08	2.58E-07	1.13E-07	4.77E-08	1.61E-07	9.38E-08	2.89E-08	1.23E-07
678	564290.17	4191160.84	1.53E-06	5.45E-07	2.08E-06	2.46E-07	8.54E-08	3.32E-07	1.45E-07	6.12E-08	2.06E-07	1.20E-07	3.70E-08	1.57E-07
679	564148.33	4191295.19	7.11E-07	2.53E-07	9.64E-07	1.14E-07	3.96E-08	1.54E-07	6.73E-08	2.83E-08	9.56E-08	5.58E-08	1.72E-08	7.29E-08
680	564145.57	4191311.35	7.27E-07	2.58E-07	9.86E-07	1.17E-07	4.05E-08	1.57E-07	6.88E-08	2.90E-08	9.78E-08	5.70E-08	1.76E-08	7.46E-08
681	564142.8	4191327.52	7.63E-07	2.71E-07	1.03E-06	1.22E-07	4.25E-08	1.65E-07	7.22E-08	3.04E-08	1.03E-07	5.99E-08	1.84E-08	7.83E-08
682	564144.17	4191278.57	6.55E-07	2.33E-07	8.88E-07	1.05E-07	3.65E-08	1.42E-07	6.20E-08	2.61E-08	8.82E-08	5.14E-08	1.58E-08	6.72E-08
683	564152.79	4191264.87	6.75E-07	2.40E-07	9.14E-07	1.08E-07	3.76E-08	1.46E-07	6.39E-08	2.69E-08	9.07E-08	5.29E-08	1.63E-08	6.92E-08
684	564161.41	4191251.17	6.74E-07	2.40E-07	9.14E-07	1.08E-07	3.75E-08	1.46E-07	6.38E-08	2.69E-08	9.07E-08	5.29E-08	1.63E-08	6.92E-08
685	564170.03	4191237.47	6.54E-07	2.32E-07	8.86E-07	1.05E-07	3.64E-08	1.41E-07	6.19E-08	2.61E-08	8.79E-08	5.13E-08	1.58E-08	6.71E-08
686	564178.65	4191223.77	6.23E-07	2.21E-07	8.45E-07	1.00E-07	3.47E-08	1.35E-07	5.90E-08	2.48E-08	8.38E-08	4.89E-08	1.50E-08	6.39E-08
687	564187.28	4191210.07	5.94E-07	2.11E-07	8.05E-07	9.52E-08	3.31E-08	1.28E-07	5.62E-08	2.37E-08	7.99E-08	4.66E-08	1.43E-08	6.09E-08
688	564221.03	4191167.17	5.81E-07	2.06E-07	7.87E-07	9.31E-08	3.23E-08	1.25E-07	5.50E-08	2.31E-08	7.81E-08	4.55E-08	1.40E-08	5.96E-08
689	564236.8	4191163.56	6.75E-07	2.40E-07	9.14E-07	1.08E-07	3.76E-08	1.46E-07	6.39E-08	2.69E-08	9.07E-08	5.29E-08	1.63E-08	6.92E-08
690	564252.58	4191159.95	8.20E-07	2.92E-07	1.11E-06	1.32E-07	4.57E-08	1.77E-07	7.77E-08	3.27E-08	1.10E-07	6.44E-08	1.98E-08	8.42E-08
691	564268.36	4191156.35	1.04E-06	3.70E-07	1.41E-06	1.67E-07	5.79E-08	2.25E-07	9.84E-08	4.15E-08	1.40E-07	8.16E-08	2.51E-08	1.07E-07
692	564299.92	4191149.13	1.64E-06	5.82E-07	2.22E-06	2.63E-07	9.12E-08	3.54E-07	1.55E-07	6.53E-08	2.20E-07	1.28E-07	3.95E-08	1.68E-07
693	564315.7	4191145.52	1.92E-06	6.82E-07	2.60E-06	3.08E-07	1.07E-07	4.15E-07	1.82E-07	7.65E-08	2.58E-07	1.51E-07	4.63E-08	1.97E-07
694	564331.47	4191141.91	2.15E-06	7.64E-07	2.92E-06	3.45E-07	1.20E-07	4.65E-07	2.04E-07	8.58E-08	2.89E-07	1.69E-07	5.19E-08	2.21E-07
695	564138.48	4191293.5	6.44E-07	2.29E-07	8.73E-07	1.03E-07	3.59E-08	1.39E-07	6.10E-08	2.57E-08	8.67E-08	5.06E-08	1.56E-08	6.61E-08
696	564135.71	4191309.67	6.58E-07	2.34E-07	8.91E-07	1.06E-07	3.66E-08	1.42E-07	6.23E-08	2.62E-08	8.85E-08	5.16E-08	1.59E-08	6.75E-08
697	564132.94	4191325.84	6.88E-07	2.44E-07	9.32E-07	1.10E-07	3.83E-08	1.49E-07	6.51E-08	2.74E-08	9.25E-08	5.39E-08	1.66E-08	7.05E-08
698	564134.3	4191276.9	5.97E-07	2.12E-07	8.09E-07	9.58E-08	3.32E-08	1.29E-07	5.65E-08	2.38E-08	8.03E-08	4.68E-08	1.44E-08	6.12E-08
699	564142.9	4191263.24	6.18E-07	2.20E-07	8.38E-07	9.92E-08	3.44E-08	1.34E-07	5.85E-08	2.46E-08	8.31E-08	4.85E-08	1.49E-08	6.34E-08
700	564151.49	4191249.59	6.21E-07	2.21E-07	8.42E-07	9.97E-08	3.46E-08	1.34E-07	5.88E-08	2.48E-08	8.36E-08	4.87E-08	1.50E-08	6.37E-08
701	564160.08	4191235.93	6.06E-07	2.15E-07	8.21E-07	9.72E-08	3.37E-08	1.31E-07	5.74E-08	2.42E-08	8.15E-08	4.75E-08	1.46E-08	6.22E-08
702	564168.68	4191222.27	5.79E-07	2.06E-07	7.84E-07	9.28E-08	3.22E-08	1.25E-07	5.48E-08	2.31E-08	7.79E-08	4.54E-08	1.40E-08	5.94E-08
703	564177.27	4191208.62	5.51E-07	1.96E-07	7.47E-07	8.84E-08	3.07E-08	1.19E-07	5.22E-08	2.20E-08	7.41E-08	4.32E-08	1.33E-08	5.65E-08
704	564185.87	4191194.96	5.29E-07	1.88E-07	7.17E-07	8.48E-08	2.94E-08	1.14E-07	5.01E-08	2.11E-08	7.11E-08	4.15E-08	1.28E-08	5.43E-08
705	564194.46	4191181.3	5.12E-07	1.82E-07	6.94E-07	8.22E-08	2.85E-08	1.11E-07	4.85E-08	2.04E-08	6.89E-08	4.02E-08	1.24E-08	5.25E-08
706	564215.22	4191159.02	5.30E-07	1.88E-07	7.18E-07	8.50E-08	2.95E-08	1.14E-07	5.01E-08	2.11E-08	7.12E-08	4.15E-08	1.28E-08	5.43E-08
707	564230.95	4191155.42	6.10E-07	2.17E-07	8.26E-07	9.78E-08	3.39E-08	1.32E-07	5.77E-08	2.43E-08	8.20E-08	4.78E-08	1.47E-08	6.25E-08
708	564246.68	4191151.83	7.31E-07	2.60E-07	9.91E-07	1.17E-07	4.07E-08	1.58E-07	6.92E-08	2.92E-08	9.84E-08	5.74E-08	1.77E-08	7.50E-08
709	564278.13	4191144.63	1.16E-06	4.11E-07	1.57E-06	1.86E-07	6.45E-08	2.50E-07	1.10E-07	4.62E-08	1.56E-07	9.08E-08	2.80E-08	1.19E-07
710	564293.86	4191141.03	1.43E-06	5.08E-07	1.94E-06	2.30E-07	7.96E-08	3.09E-07	1.35E-07	5.70E-08	1.92E-07	1.12E-07	3.45E-08	1.47E-07

711	564309.59	4191137.44	1.69E-06	6.01E-07	2.29E-06	2.71E-07	9.41E-08	3.65E-07	1.60E-07	6.74E-08	2.27E-07	1.33E-07	4.08E-08	1.73E-07
712	564325.32	4191133.84	1.91E-06	6.79E-07	2.59E-06	3.06E-07	1.06E-07	4.13E-07	1.81E-07	7.61E-08	2.57E-07	1.50E-07	4.61E-08	1.96E-07
713	564128.62	4191291.81	5.86E-07	2.08E-07	7.95E-07	9.40E-08	3.26E-08	1.27E-07	5.55E-08	2.34E-08	7.89E-08	4.60E-08	1.42E-08	6.01E-08
714	564125.85	4191307.98	5.98E-07	2.13E-07	8.11E-07	9.59E-08	3.33E-08	1.29E-07	5.66E-08	2.38E-08	8.05E-08	4.69E-08	1.44E-08	6.14E-08
715	564123.08	4191324.15	6.23E-07	2.21E-07	8.44E-07	1.00E-07	3.47E-08	1.35E-07	5.90E-08	2.48E-08	8.38E-08	4.89E-08	1.50E-08	6.39E-08
716	564124.43	4191275.23	5.46E-07	1.94E-07	7.40E-07	8.75E-08	3.04E-08	1.18E-07	5.17E-08	2.18E-08	7.34E-08	4.28E-08	1.32E-08	5.60E-08
717	564133	4191261.61	5.66E-07	2.01E-07	7.67E-07	9.08E-08	3.15E-08	1.22E-07	5.36E-08	2.26E-08	7.62E-08	4.44E-08	1.37E-08	5.81E-08
718	564141.57	4191247.99	5.73E-07	2.04E-07	7.77E-07	9.20E-08	3.19E-08	1.24E-07	5.43E-08	2.29E-08	7.71E-08	4.50E-08	1.38E-08	5.88E-08
719	564150.14	4191234.38	5.63E-07	2.00E-07	7.63E-07	9.03E-08	3.13E-08	1.22E-07	5.33E-08	2.24E-08	7.57E-08	4.42E-08	1.36E-08	5.77E-08
720	564158.71	4191220.76	5.40E-07	1.92E-07	7.31E-07	8.66E-08	3.00E-08	1.17E-07	5.11E-08	2.15E-08	7.26E-08	4.23E-08	1.30E-08	5.54E-08
721	564167.28	4191207.14	5.13E-07	1.82E-07	6.96E-07	8.24E-08	2.86E-08	1.11E-07	4.86E-08	2.05E-08	6.91E-08	4.03E-08	1.24E-08	5.27E-08
722	564175.86	4191193.52	4.92E-07	1.75E-07	6.67E-07	7.89E-08	2.74E-08	1.06E-07	4.66E-08	1.96E-08	6.62E-08	3.86E-08	1.19E-08	5.05E-08
723	564184.43	4191179.9	4.76E-07	1.69E-07	6.45E-07	7.64E-08	2.65E-08	1.03E-07	4.51E-08	1.90E-08	6.40E-08	3.73E-08	1.15E-08	4.88E-08
724	564193	4191166.28	4.65E-07	1.65E-07	6.30E-07	7.46E-08	2.59E-08	1.00E-07	4.40E-08	1.85E-08	6.25E-08	3.65E-08	1.12E-08	4.77E-08
725	564256.47	4191140.11	8.08E-07	2.87E-07	1.10E-06	1.30E-07	4.50E-08	1.75E-07	7.65E-08	3.22E-08	1.09E-07	6.34E-08	1.95E-08	8.29E-08
726	564272.15	4191136.52	1.02E-06	3.61E-07	1.38E-06	1.63E-07	5.65E-08	2.19E-07	9.61E-08	4.05E-08	1.37E-07	7.97E-08	2.45E-08	1.04E-07
727	564287.84	4191132.93	1.26E-06	4.46E-07	1.70E-06	2.02E-07	6.99E-08	2.71E-07	1.19E-07	5.01E-08	1.69E-07	9.86E-08	3.03E-08	1.29E-07
728	564303.52	4191129.34	1.49E-06	5.31E-07	2.02E-06	2.40E-07	8.31E-08	3.23E-07	1.41E-07	5.95E-08	2.01E-07	1.17E-07	3.60E-08	1.53E-07
729	564319.21	4191125.76	1.70E-06	6.04E-07	2.30E-06	2.73E-07	9.47E-08	3.67E-07	1.61E-07	6.78E-08	2.29E-07	1.33E-07	4.10E-08	1.74E-07
730	564334.9	4191122.17	1.86E-06	6.61E-07	2.52E-06	2.98E-07	1.04E-07	4.02E-07	1.76E-07	7.41E-08	2.50E-07	1.46E-07	4.49E-08	1.91E-07
731	564118.76	4191290.12	5.35E-07	1.90E-07	7.26E-07	8.59E-08	2.98E-08	1.16E-07	5.07E-08	2.13E-08	7.20E-08	4.20E-08	1.29E-08	5.49E-08
732	564116	4191306.29	5.46E-07	1.94E-07	7.40E-07	8.76E-08	3.04E-08	1.18E-07	5.17E-08	2.18E-08	7.35E-08	4.28E-08	1.32E-08	5.60E-08
733	564113.23	4191322.46	5.68E-07	2.02E-07	7.69E-07	9.11E-08	3.16E-08	1.23E-07	5.37E-08	2.26E-08	7.64E-08	4.45E-08	1.37E-08	5.82E-08
734	564114.57	4191273.56	5.01E-07	1.78E-07	6.79E-07	8.04E-08	2.79E-08	1.08E-07	4.74E-08	2.00E-08	6.74E-08	3.93E-08	1.21E-08	5.14E-08
735	564123.11	4191259.98	5.20E-07	1.85E-07	7.05E-07	8.35E-08	2.90E-08	1.12E-07	4.93E-08	2.07E-08	7.00E-08	4.08E-08	1.26E-08	5.34E-08
736	564131.66	4191246.39	5.29E-07	1.88E-07	7.17E-07	8.49E-08	2.95E-08	1.14E-07	5.01E-08	2.11E-08	7.12E-08	4.15E-08	1.28E-08	5.43E-08
737	564140.21	4191232.81	5.23E-07	1.86E-07	7.09E-07	8.40E-08	2.91E-08	1.13E-07	4.95E-08	2.09E-08	7.04E-08	4.11E-08	1.26E-08	5.37E-08
738	564148.76	4191219.22	5.04E-07	1.79E-07	6.83E-07	8.09E-08	2.81E-08	1.09E-07	4.77E-08	2.01E-08	6.78E-08	3.96E-08	1.22E-08	5.17E-08
739	564157.31	4191205.64	4.80E-07	1.71E-07	6.51E-07	7.70E-08	2.67E-08	1.04E-07	4.54E-08	1.91E-08	6.46E-08	3.77E-08	1.16E-08	4.92E-08
740	564165.86	4191192.05	4.59E-07	1.63E-07	6.23E-07	7.37E-08	2.56E-08	9.93E-08	4.35E-08	1.83E-08	6.18E-08	3.60E-08	1.11E-08	4.71E-08
741	564174.41	4191178.47	4.44E-07	1.58E-07	6.02E-07	7.13E-08	2.47E-08	9.60E-08	4.21E-08	1.77E-08	5.98E-08	3.49E-08	1.07E-08	4.56E-08
742	564182.96	4191164.88	4.33E-07	1.54E-07	5.87E-07	6.95E-08	2.41E-08	9.36E-08	4.10E-08	1.73E-08	5.83E-08	3.40E-08	1.05E-08	4.44E-08
743	564191.51	4191151.3	4.26E-07	1.51E-07	5.78E-07	6.84E-08	2.37E-08	9.21E-08	4.04E-08	1.70E-08	5.73E-08	3.34E-08	1.03E-08	4.37E-08
744	564234.9	4191135.56	5.93E-07	2.11E-07	8.04E-07	9.51E-08	3.30E-08	1.28E-07	5.61E-08	2.36E-08	7.98E-08	4.65E-08	1.43E-08	6.08E-08
745	564250.54	4191131.98	7.21E-07	2.56E-07	9.77E-07	1.16E-07	4.01E-08	1.56E-07	6.82E-08	2.87E-08	9.69E-08	5.65E-08	1.74E-08	7.39E-08
746	564266.19	4191128.4	8.96E-07	3.18E-07	1.21E-06	1.44E-07	4.99E-08	1.94E-07	8.48E-08	3.57E-08	1.21E-07	7.03E-08	2.16E-08	9.19E-08
747	564281.84	4191124.83	1.11E-06	3.94E-07	1.50E-06	1.78E-07	6.17E-08	2.39E-07	1.05E-07	4.42E-08	1.49E-07	8.69E-08	2.67E-08	1.14E-07
748	564297.48	4191121.25	1.32E-06	4.70E-07	1.79E-06	2.12E-07	7.37E-08	2.86E-07	1.25E-07	5.28E-08	1.78E-07	1.04E-07	3.19E-08	1.36E-07
749	564313.13	4191117.67	1.52E-06	5.39E-07	2.06E-06	2.43E-07	8.45E-08	3.28E-07	1.44E-07	6.05E-08	2.04E-07	1.19E-07	3.66E-08	1.56E-07
750	564328.78	4191114.09	1.67E-06	5.95E-07	2.27E-06	2.69E-07	9.32E-08	3.62E-07	1.58E-07	6.67E-08	2.25E-07	1.31E-07	4.04E-08	1.72E-07
751	564108.91	4191288.44	4.92E-07	1.75E-07	6.66E-07	7.89E-08	2.74E-08	1.06E-07	4.65E-08	1.96E-08	6.61E-08	3.86E-08	1.19E-08	5.04E-08
752	564106.14	4191304.61	5.00E-07	1.78E-07	6.78E-07	8.03E-08	2.79E-08	1.08E-07	4.74E-08	1.99E-08	6.73E-08	3.93E-08	1.21E-08	5.13E-08

753	564103.37	4191320.77	5.18E-07	1.84E-07	7.02E-07	8.32E-08	2.89E-08	1.12E-07	4.91E-08	2.07E-08	6.97E-08	4.07E-08	1.25E-08	5.32E-08
754	564104.7	4191271.89	4.63E-07	1.64E-07	6.27E-07	7.42E-08	2.58E-08	1.00E-07	4.38E-08	1.85E-08	6.23E-08	3.63E-08	1.12E-08	4.75E-08
755	564113.23	4191258.33	4.80E-07	1.71E-07	6.51E-07	7.70E-08	2.67E-08	1.04E-07	4.54E-08	1.91E-08	6.46E-08	3.77E-08	1.16E-08	4.92E-08
756	564121.76	4191244.78	4.90E-07	1.74E-07	6.64E-07	7.85E-08	2.73E-08	1.06E-07	4.63E-08	1.95E-08	6.59E-08	3.84E-08	1.18E-08	5.02E-08
757	564130.29	4191231.23	4.87E-07	1.73E-07	6.60E-07	7.81E-08	2.71E-08	1.05E-07	4.61E-08	1.94E-08	6.55E-08	3.82E-08	1.17E-08	4.99E-08
758	564138.82	4191217.67	4.72E-07	1.68E-07	6.39E-07	7.56E-08	2.62E-08	1.02E-07	4.46E-08	1.88E-08	6.34E-08	3.70E-08	1.14E-08	4.84E-08
759	564147.35	4191204.12	4.50E-07	1.60E-07	6.10E-07	7.22E-08	2.50E-08	9.72E-08	4.26E-08	1.79E-08	6.05E-08	3.53E-08	1.09E-08	4.61E-08
760	564155.88	4191190.57	4.30E-07	1.53E-07	5.83E-07	6.90E-08	2.40E-08	9.30E-08	4.07E-08	1.72E-08	5.79E-08	3.38E-08	1.04E-08	4.41E-08
761	564164.41	4191177.01	4.16E-07	1.48E-07	5.63E-07	6.67E-08	2.31E-08	8.98E-08	3.93E-08	1.66E-08	5.59E-08	3.26E-08	1.00E-08	4.26E-08
762	564172.94	4191163.46	4.05E-07	1.44E-07	5.49E-07	6.50E-08	2.26E-08	8.75E-08	3.84E-08	1.62E-08	5.45E-08	3.18E-08	9.78E-09	4.16E-08
763	564181.47	4191149.9	3.97E-07	1.41E-07	5.38E-07	6.37E-08	2.21E-08	8.58E-08	3.76E-08	1.58E-08	5.34E-08	3.11E-08	9.58E-09	4.07E-08
764	564213.41	4191130.99	4.63E-07	1.65E-07	6.27E-07	7.43E-08	2.58E-08	1.00E-07	4.38E-08	1.85E-08	6.23E-08	3.63E-08	1.12E-08	4.75E-08
765	564229.02	4191127.42	5.37E-07	1.91E-07	7.27E-07	8.61E-08	2.99E-08	1.16E-07	5.08E-08	2.14E-08	7.22E-08	4.21E-08	1.30E-08	5.50E-08
766	564244.63	4191123.85	6.45E-07	2.29E-07	8.74E-07	1.03E-07	3.59E-08	1.39E-07	6.11E-08	2.57E-08	8.68E-08	5.06E-08	1.56E-08	6.62E-08
767	564260.25	4191120.28	7.96E-07	2.83E-07	1.08E-06	1.28E-07	4.43E-08	1.72E-07	7.53E-08	3.17E-08	1.07E-07	6.24E-08	1.92E-08	8.16E-08
768	564275.86	4191116.71	9.81E-07	3.49E-07	1.33E-06	1.57E-07	5.46E-08	2.12E-07	9.29E-08	3.91E-08	1.32E-07	7.70E-08	2.37E-08	1.01E-07
769	564291.47	4191113.14	1.18E-06	4.18E-07	1.59E-06	1.89E-07	6.55E-08	2.54E-07	1.11E-07	4.69E-08	1.58E-07	9.23E-08	2.84E-08	1.21E-07
770	564307.08	4191109.57	1.36E-06	4.82E-07	1.84E-06	2.18E-07	7.56E-08	2.93E-07	1.29E-07	5.41E-08	1.83E-07	1.07E-07	3.28E-08	1.39E-07
771	564322.69	4191106	1.51E-06	5.37E-07	2.05E-06	2.42E-07	8.41E-08	3.27E-07	1.43E-07	6.03E-08	2.03E-07	1.19E-07	3.65E-08	1.55E-07
772	564338.3	4191102.43	1.62E-06	5.75E-07	2.19E-06	2.59E-07	9.00E-08	3.49E-07	1.53E-07	6.44E-08	2.17E-07	1.27E-07	3.90E-08	1.66E-07
773	564099.05	4191286.75	4.54E-07	1.61E-07	6.15E-07	7.28E-08	2.53E-08	9.80E-08	4.30E-08	1.81E-08	6.10E-08	3.56E-08	1.10E-08	4.65E-08
774	564096.28	4191302.92	4.60E-07	1.64E-07	6.24E-07	7.38E-08	2.56E-08	9.94E-08	4.36E-08	1.83E-08	6.19E-08	3.61E-08	1.11E-08	4.72E-08
775	564093.51	4191319.09	4.75E-07	1.69E-07	6.44E-07	7.62E-08	2.65E-08	1.03E-07	4.50E-08	1.89E-08	6.39E-08	3.73E-08	1.15E-08	4.88E-08
776	564094.83	4191270.22	4.29E-07	1.52E-07	5.82E-07	6.88E-08	2.39E-08	9.27E-08	4.06E-08	1.71E-08	5.77E-08	3.37E-08	1.04E-08	4.40E-08
777	564103.35	4191256.69	4.46E-07	1.58E-07	6.04E-07	7.15E-08	2.48E-08	9.63E-08	4.22E-08	1.78E-08	5.99E-08	3.50E-08	1.08E-08	4.57E-08
778	564111.86	4191243.16	4.54E-07	1.61E-07	6.16E-07	7.29E-08	2.53E-08	9.82E-08	4.30E-08	1.81E-08	6.11E-08	3.56E-08	1.10E-08	4.66E-08
779	564120.37	4191229.64	4.53E-07	1.61E-07	6.15E-07	7.27E-08	2.52E-08	9.80E-08	4.29E-08	1.81E-08	6.10E-08	3.56E-08	1.09E-08	4.65E-08
780	564128.88	4191216.11	4.42E-07	1.57E-07	5.99E-07	7.08E-08	2.46E-08	9.54E-08	4.18E-08	1.76E-08	5.94E-08	3.46E-08	1.07E-08	4.53E-08
781	564137.39	4191202.59	4.23E-07	1.50E-07	5.73E-07	6.78E-08	2.35E-08	9.14E-08	4.00E-08	1.69E-08	5.69E-08	3.32E-08	1.02E-08	4.34E-08
782	564145.91	4191189.06	4.04E-07	1.44E-07	5.48E-07	6.48E-08	2.25E-08	8.73E-08	3.82E-08	1.61E-08	5.44E-08	3.17E-08	9.75E-09	4.15E-08
783	564154.42	4191175.53	3.90E-07	1.39E-07	5.28E-07	6.25E-08	2.17E-08	8.42E-08	3.69E-08	1.55E-08	5.24E-08	3.06E-08	9.41E-09	4.00E-08
784	564162.93	4191162.01	3.79E-07	1.35E-07	5.14E-07	6.09E-08	2.11E-08	8.20E-08	3.59E-08	1.51E-08	5.10E-08	2.98E-08	9.16E-09	3.89E-08
785	564171.44	4191148.48	3.71E-07	1.32E-07	5.03E-07	5.95E-08	2.07E-08	8.02E-08	3.51E-08	1.48E-08	4.99E-08	2.91E-08	8.96E-09	3.81E-08
786	564192	4191126.41	3.83E-07	1.36E-07	5.19E-07	6.15E-08	2.13E-08	8.28E-08	3.63E-08	1.53E-08	5.15E-08	3.01E-08	9.25E-09	3.93E-08
787	564223.16	4191119.29	4.89E-07	1.74E-07	6.62E-07	7.84E-08	2.72E-08	1.06E-07	4.62E-08	1.95E-08	6.57E-08	3.83E-08	1.18E-08	5.01E-08
788	564238.74	4191115.72	5.80E-07	2.06E-07	7.87E-07	9.31E-08	3.23E-08	1.25E-07	5.49E-08	2.31E-08	7.81E-08	4.55E-08	1.40E-08	5.95E-08
789	564254.31	4191112.16	7.10E-07	2.52E-07	9.62E-07	1.14E-07	3.95E-08	1.53E-07	6.72E-08	2.83E-08	9.55E-08	5.57E-08	1.71E-08	7.28E-08
790	564269.89	4191108.6	8.73E-07	3.10E-07	1.18E-06	1.40E-07	4.86E-08	1.89E-07	8.26E-08	3.48E-08	1.17E-07	6.85E-08	2.11E-08	8.96E-08
791	564285.47	4191105.03	1.05E-06	3.73E-07	1.42E-06	1.68E-07	5.84E-08	2.27E-07	9.93E-08	4.18E-08	1.41E-07	8.23E-08	2.53E-08	1.08E-07
792	564301.05	4191101.47	1.21E-06	4.31E-07	1.65E-06	1.95E-07	6.76E-08	2.62E-07	1.15E-07	4.84E-08	1.63E-07	9.52E-08	2.93E-08	1.25E-07
793	564316.63	4191097.91	1.36E-06	4.82E-07	1.84E-06	2.18E-07	7.56E-08	2.93E-07	1.28E-07	5.41E-08	1.83E-07	1.06E-07	3.28E-08	1.39E-07
794	564332.21	4191094.35	1.47E-06	5.22E-07	1.99E-06	2.36E-07	8.18E-08	3.18E-07	1.39E-07	5.86E-08	1.98E-07	1.15E-07	3.55E-08	1.51E-07

795	564089.19	4191285.06	4.20E-07	1.49E-07	5.70E-07	6.74E-08	2.34E-08	9.08E-08	3.98E-08	1.68E-08	5.65E-08	3.30E-08	1.01E-08	4.31E-08
796	564086.43	4191301.23	4.25E-07	1.51E-07	5.76E-07	6.82E-08	2.37E-08	9.18E-08	4.02E-08	1.69E-08	5.72E-08	3.33E-08	1.03E-08	4.36E-08
797	564083.66	4191317.4	4.37E-07	1.55E-07	5.93E-07	7.02E-08	2.44E-08	9.45E-08	4.14E-08	1.74E-08	5.89E-08	3.43E-08	1.06E-08	4.49E-08
798	564084.97	4191268.54	3.99E-07	1.42E-07	5.41E-07	6.40E-08	2.22E-08	8.62E-08	3.78E-08	1.59E-08	5.37E-08	3.13E-08	9.63E-09	4.09E-08
799	564093.47	4191255.04	4.15E-07	1.47E-07	5.62E-07	6.65E-08	2.31E-08	8.96E-08	3.92E-08	1.65E-08	5.58E-08	3.25E-08	1.00E-08	4.25E-08
800	564101.96	4191241.54	4.23E-07	1.50E-07	5.74E-07	6.79E-08	2.36E-08	9.14E-08	4.01E-08	1.69E-08	5.69E-08	3.32E-08	1.02E-08	4.34E-08
801	564110.46	4191228.04	4.23E-07	1.50E-07	5.74E-07	6.79E-08	2.36E-08	9.15E-08	4.01E-08	1.69E-08	5.70E-08	3.32E-08	1.02E-08	4.34E-08
802	564118.95	4191214.54	4.15E-07	1.47E-07	5.62E-07	6.65E-08	2.31E-08	8.96E-08	3.92E-08	1.65E-08	5.58E-08	3.25E-08	1.00E-08	4.25E-08
803	564127.45	4191201.04	3.99E-07	1.42E-07	5.40E-07	6.40E-08	2.22E-08	8.61E-08	3.77E-08	1.59E-08	5.36E-08	3.13E-08	9.62E-09	4.09E-08
804	564135.94	4191187.54	3.81E-07	1.35E-07	5.17E-07	6.11E-08	2.12E-08	8.24E-08	3.61E-08	1.52E-08	5.13E-08	2.99E-08	9.20E-09	3.91E-08
805	564144.44	4191174.04	3.67E-07	1.30E-07	4.97E-07	5.88E-08	2.04E-08	7.93E-08	3.47E-08	1.46E-08	4.93E-08	2.88E-08	8.85E-09	3.76E-08
806	564152.94	4191160.54	3.56E-07	1.27E-07	4.83E-07	5.72E-08	1.98E-08	7.70E-08	3.37E-08	1.42E-08	4.79E-08	2.80E-08	8.60E-09	3.66E-08
807	564161.43	4191147.04	3.48E-07	1.24E-07	4.72E-07	5.59E-08	1.94E-08	7.53E-08	3.30E-08	1.39E-08	4.69E-08	2.73E-08	8.41E-09	3.57E-08
808	564186.2	4191118.26	3.56E-07	1.27E-07	4.83E-07	5.72E-08	1.98E-08	7.70E-08	3.37E-08	1.42E-08	4.79E-08	2.80E-08	8.60E-09	3.66E-08
809	564217.3	4191111.15	4.48E-07	1.59E-07	6.07E-07	7.18E-08	2.49E-08	9.67E-08	4.24E-08	1.78E-08	6.02E-08	3.51E-08	1.08E-08	4.59E-08
810	564232.85	4191107.59	5.25E-07	1.86E-07	7.11E-07	8.41E-08	2.92E-08	1.13E-07	4.97E-08	2.09E-08	7.06E-08	4.12E-08	1.27E-08	5.38E-08
811	564248.4	4191104.03	6.37E-07	2.26E-07	8.63E-07	1.02E-07	3.54E-08	1.38E-07	6.03E-08	2.54E-08	8.56E-08	4.99E-08	1.54E-08	6.53E-08
812	564263.95	4191100.48	7.80E-07	2.77E-07	1.06E-06	1.25E-07	4.34E-08	1.69E-07	7.38E-08	3.11E-08	1.05E-07	6.12E-08	1.88E-08	8.00E-08
813	564279.5	4191096.92	9.36E-07	3.33E-07	1.27E-06	1.50E-07	5.21E-08	2.02E-07	8.86E-08	3.73E-08	1.26E-07	7.35E-08	2.26E-08	9.61E-08
814	564295.05	4191093.37	1.09E-06	3.86E-07	1.47E-06	1.74E-07	6.05E-08	2.35E-07	1.03E-07	4.33E-08	1.46E-07	8.52E-08	2.62E-08	1.11E-07
815	564310.59	4191089.81	1.22E-06	4.34E-07	1.66E-06	1.96E-07	6.80E-08	2.64E-07	1.16E-07	4.87E-08	1.64E-07	9.58E-08	2.95E-08	1.25E-07
816	564326.14	4191086.25	1.33E-06	4.74E-07	1.81E-06	2.14E-07	7.43E-08	2.88E-07	1.26E-07	5.32E-08	1.79E-07	1.05E-07	3.22E-08	1.37E-07
817	564341.69	4191082.7	1.42E-06	5.04E-07	1.92E-06	2.28E-07	7.90E-08	3.07E-07	1.34E-07	5.66E-08	1.91E-07	1.11E-07	3.43E-08	1.46E-07
818	564079.34	4191283.37	3.90E-07	1.39E-07	5.29E-07	6.26E-08	2.17E-08	8.43E-08	3.69E-08	1.55E-08	5.25E-08	3.06E-08	9.41E-09	4.00E-08
819	564076.57	4191299.54	3.94E-07	1.40E-07	5.34E-07	6.32E-08	2.19E-08	8.51E-08	3.73E-08	1.57E-08	5.30E-08	3.09E-08	9.50E-09	4.04E-08
820	564073.8	4191315.71	4.05E-07	1.44E-07	5.49E-07	6.50E-08	2.26E-08	8.76E-08	3.84E-08	1.62E-08	5.45E-08	3.18E-08	9.78E-09	4.16E-08
821	564075.11	4191266.86	3.71E-07	1.32E-07	5.03E-07	5.95E-08	2.07E-08	8.02E-08	3.51E-08	1.48E-08	4.99E-08	2.91E-08	8.95E-09	3.81E-08
822	564083.59	4191253.39	3.86E-07	1.37E-07	5.24E-07	6.20E-08	2.15E-08	8.35E-08	3.66E-08	1.54E-08	5.20E-08	3.03E-08	9.33E-09	3.96E-08
823	564092.07	4191239.91	3.95E-07	1.40E-07	5.35E-07	6.34E-08	2.20E-08	8.53E-08	3.74E-08	1.57E-08	5.31E-08	3.10E-08	9.53E-09	4.05E-08
824	564100.55	4191226.43	3.96E-07	1.41E-07	5.37E-07	6.35E-08	2.20E-08	8.56E-08	3.75E-08	1.58E-08	5.33E-08	3.11E-08	9.56E-09	4.06E-08
825	564109.03	4191212.96	3.90E-07	1.38E-07	5.28E-07	6.25E-08	2.17E-08	8.42E-08	3.69E-08	1.55E-08	5.24E-08	3.06E-08	9.40E-09	4.00E-08
826	564117.51	4191199.48	3.77E-07	1.34E-07	5.10E-07	6.04E-08	2.10E-08	8.14E-08	3.57E-08	1.50E-08	5.07E-08	2.95E-08	9.09E-09	3.86E-08
827	564125.99	4191186	3.60E-07	1.28E-07	4.88E-07	5.78E-08	2.01E-08	7.79E-08	3.41E-08	1.44E-08	4.85E-08	2.83E-08	8.70E-09	3.70E-08
828	564134.47	4191172.53	3.46E-07	1.23E-07	4.69E-07	5.55E-08	1.93E-08	7.48E-08	3.28E-08	1.38E-08	4.66E-08	2.72E-08	8.35E-09	3.55E-08
829	564142.95	4191159.05	3.36E-07	1.19E-07	4.55E-07	5.39E-08	1.87E-08	7.26E-08	3.18E-08	1.34E-08	4.52E-08	2.63E-08	8.11E-09	3.44E-08
830	564151.44	4191145.57	3.28E-07	1.17E-07	4.45E-07	5.27E-08	1.83E-08	7.09E-08	3.11E-08	1.31E-08	4.42E-08	2.57E-08	7.92E-09	3.37E-08
831	564168.4	4191118.62	3.19E-07	1.13E-07	4.33E-07	5.12E-08	1.78E-08	6.90E-08	3.02E-08	1.27E-08	4.30E-08	2.50E-08	7.71E-09	3.28E-08
832	564180.4	4191110.11	3.32E-07	1.18E-07	4.51E-07	5.33E-08	1.85E-08	7.18E-08	3.15E-08	1.33E-08	4.47E-08	2.61E-08	8.03E-09	3.41E-08
833	564195.92	4191106.56	3.66E-07	1.30E-07	4.96E-07	5.88E-08	2.04E-08	7.92E-08	3.47E-08	1.46E-08	4.93E-08	2.87E-08	8.84E-09	3.76E-08
834	564226.97	4191099.46	4.79E-07	1.70E-07	6.49E-07	7.68E-08	2.66E-08	1.03E-07	4.53E-08	1.91E-08	6.44E-08	3.75E-08	1.16E-08	4.91E-08
835	564242.49	4191095.91	5.74E-07	2.04E-07	7.78E-07	9.21E-08	3.20E-08	1.24E-07	5.44E-08	2.29E-08	7.73E-08	4.51E-08	1.39E-08	5.89E-08
836	564258.01	4191092.36	7.00E-07	2.49E-07	9.48E-07	1.12E-07	3.89E-08	1.51E-07	6.62E-08	2.79E-08	9.41E-08	5.49E-08	1.69E-08	7.18E-08

837	564273.53	4191088.81	8.40E-07	2.98E-07	1.14E-06	1.35E-07	4.68E-08	1.82E-07	7.95E-08	3.35E-08	1.13E-07	6.59E-08	2.03E-08	8.62E-08
838	564289.06	4191085.26	9.76E-07	3.47E-07	1.32E-06	1.57E-07	5.43E-08	2.11E-07	9.24E-08	3.89E-08	1.31E-07	7.66E-08	2.36E-08	1.00E-07
839	564304.58	4191081.71	1.10E-06	3.91E-07	1.49E-06	1.77E-07	6.13E-08	2.38E-07	1.04E-07	4.39E-08	1.48E-07	8.64E-08	2.66E-08	1.13E-07
840	564320.1	4191078.16	1.21E-06	4.30E-07	1.64E-06	1.94E-07	6.74E-08	2.62E-07	1.15E-07	4.83E-08	1.63E-07	9.50E-08	2.92E-08	1.24E-07
841	564335.62	4191074.61	1.30E-06	4.62E-07	1.76E-06	2.09E-07	7.24E-08	2.81E-07	1.23E-07	5.18E-08	1.75E-07	1.02E-07	3.14E-08	1.33E-07
842	564069.48	4191281.69	3.62E-07	1.29E-07	4.91E-07	5.81E-08	2.02E-08	7.83E-08	3.43E-08	1.44E-08	4.87E-08	2.84E-08	8.75E-09	3.72E-08
843	564066.71	4191297.86	3.66E-07	1.30E-07	4.96E-07	5.87E-08	2.04E-08	7.90E-08	3.46E-08	1.46E-08	4.92E-08	2.87E-08	8.83E-09	3.75E-08
844	564063.95	4191314.02	3.76E-07	1.34E-07	5.10E-07	6.04E-08	2.10E-08	8.13E-08	3.56E-08	1.50E-08	5.06E-08	2.95E-08	9.08E-09	3.86E-08
845	564065.24	4191265.19	3.46E-07	1.23E-07	4.68E-07	5.54E-08	1.92E-08	7.47E-08	3.27E-08	1.38E-08	4.65E-08	2.71E-08	8.34E-09	3.55E-08
846	564073.71	4191251.73	3.60E-07	1.28E-07	4.88E-07	5.78E-08	2.00E-08	7.78E-08	3.41E-08	1.44E-08	4.84E-08	2.83E-08	8.69E-09	3.69E-08
847	564082.18	4191238.28	3.69E-07	1.31E-07	5.00E-07	5.92E-08	2.06E-08	7.98E-08	3.50E-08	1.47E-08	4.97E-08	2.90E-08	8.91E-09	3.79E-08
848	564090.64	4191224.82	3.71E-07	1.32E-07	5.03E-07	5.95E-08	2.07E-08	8.02E-08	3.51E-08	1.48E-08	4.99E-08	2.91E-08	8.96E-09	3.81E-08
849	564099.11	4191211.37	3.67E-07	1.30E-07	4.97E-07	5.88E-08	2.04E-08	7.92E-08	3.47E-08	1.46E-08	4.93E-08	2.88E-08	8.85E-09	3.76E-08
850	564107.58	4191197.91	3.56E-07	1.26E-07	4.82E-07	5.71E-08	1.98E-08	7.69E-08	3.37E-08	1.42E-08	4.79E-08	2.79E-08	8.59E-09	3.65E-08
851	564116.05	4191184.46	3.41E-07	1.21E-07	4.62E-07	5.47E-08	1.90E-08	7.37E-08	3.23E-08	1.36E-08	4.59E-08	2.68E-08	8.24E-09	3.50E-08
852	564124.51	4191171	3.27E-07	1.16E-07	4.44E-07	5.25E-08	1.82E-08	7.07E-08	3.10E-08	1.30E-08	4.40E-08	2.57E-08	7.90E-09	3.36E-08
853	564132.98	4191157.55	3.17E-07	1.13E-07	4.30E-07	5.09E-08	1.77E-08	6.85E-08	3.00E-08	1.26E-08	4.27E-08	2.49E-08	7.65E-09	3.25E-08
854	564141.45	4191144.09	3.10E-07	1.10E-07	4.20E-07	4.97E-08	1.73E-08	6.70E-08	2.93E-08	1.24E-08	4.17E-08	2.43E-08	7.48E-09	3.18E-08
855	564158.38	4191117.18	3.00E-07	1.07E-07	4.07E-07	4.82E-08	1.67E-08	6.49E-08	2.84E-08	1.20E-08	4.04E-08	2.36E-08	7.25E-09	3.08E-08
856	564174.6	4191101.95	3.11E-07	1.11E-07	4.22E-07	4.99E-08	1.73E-08	6.72E-08	2.94E-08	1.24E-08	4.18E-08	2.44E-08	7.51E-09	3.19E-08
857	564190.1	4191098.41	3.41E-07	1.21E-07	4.62E-07	5.46E-08	1.90E-08	7.36E-08	3.22E-08	1.36E-08	4.58E-08	2.67E-08	8.22E-09	3.49E-08
858	564221.09	4191091.32	4.38E-07	1.56E-07	5.94E-07	7.03E-08	2.44E-08	9.47E-08	4.15E-08	1.75E-08	5.90E-08	3.44E-08	1.06E-08	4.50E-08
859	564236.59	4191087.78	5.21E-07	1.85E-07	7.06E-07	8.35E-08	2.90E-08	1.13E-07	4.93E-08	2.08E-08	7.00E-08	4.08E-08	1.26E-08	5.34E-08
860	564252.09	4191084.23	6.30E-07	2.24E-07	8.54E-07	1.01E-07	3.51E-08	1.36E-07	5.97E-08	2.51E-08	8.48E-08	4.94E-08	1.52E-08	6.47E-08
861	564267.59	4191080.69	7.57E-07	2.69E-07	1.03E-06	1.21E-07	4.22E-08	1.64E-07	7.17E-08	3.02E-08	1.02E-07	5.94E-08	1.83E-08	7.77E-08
862	564283.08	4191077.14	8.81E-07	3.13E-07	1.19E-06	1.41E-07	4.91E-08	1.90E-07	8.34E-08	3.51E-08	1.19E-07	6.91E-08	2.13E-08	9.04E-08
863	564298.58	4191073.6	9.97E-07	3.54E-07	1.35E-06	1.60E-07	5.55E-08	2.15E-07	9.43E-08	3.97E-08	1.34E-07	7.82E-08	2.41E-08	1.02E-07
864	564314.08	4191070.05	1.10E-06	3.92E-07	1.50E-06	1.77E-07	6.14E-08	2.38E-07	1.04E-07	4.40E-08	1.48E-07	8.66E-08	2.66E-08	1.13E-07
865	564059.62	4191280	3.37E-07	1.20E-07	4.57E-07	5.41E-08	1.88E-08	7.29E-08	3.19E-08	1.35E-08	4.54E-08	2.65E-08	8.15E-09	3.46E-08
866	564056.86	4191296.17	3.41E-07	1.21E-07	4.62E-07	5.46E-08	1.90E-08	7.36E-08	3.22E-08	1.36E-08	4.58E-08	2.67E-08	8.22E-09	3.49E-08
867	564054.09	4191312.34	3.51E-07	1.25E-07	4.75E-07	5.62E-08	1.95E-08	7.57E-08	3.32E-08	1.40E-08	4.72E-08	2.75E-08	8.46E-09	3.60E-08
868	564055.38	4191263.51	3.23E-07	1.15E-07	4.37E-07	5.18E-08	1.80E-08	6.98E-08	3.06E-08	1.29E-08	4.34E-08	2.53E-08	7.79E-09	3.31E-08
869	564063.83	4191250.08	3.37E-07	1.20E-07	4.56E-07	5.40E-08	1.87E-08	7.27E-08	3.19E-08	1.34E-08	4.53E-08	2.64E-08	8.12E-09	3.45E-08
870	564072.29	4191236.64	3.46E-07	1.23E-07	4.69E-07	5.55E-08	1.93E-08	7.48E-08	3.28E-08	1.38E-08	4.66E-08	2.72E-08	8.35E-09	3.55E-08
871	564080.74	4191223.2	3.49E-07	1.24E-07	4.72E-07	5.59E-08	1.94E-08	7.53E-08	3.30E-08	1.39E-08	4.69E-08	2.73E-08	8.41E-09	3.58E-08
872	564089.2	4191209.77	3.45E-07	1.23E-07	4.68E-07	5.54E-08	1.92E-08	7.46E-08	3.27E-08	1.38E-08	4.65E-08	2.71E-08	8.34E-09	3.54E-08
873	564097.65	4191196.33	3.36E-07	1.20E-07	4.56E-07	5.40E-08	1.87E-08	7.27E-08	3.18E-08	1.34E-08	4.53E-08	2.64E-08	8.12E-09	3.45E-08
874	564106.11	4191182.9	3.23E-07	1.15E-07	4.38E-07	5.19E-08	1.80E-08	6.99E-08	3.06E-08	1.29E-08	4.35E-08	2.54E-08	7.81E-09	3.32E-08
875	564114.56	4191169.46	3.10E-07	1.10E-07	4.20E-07	4.97E-08	1.73E-08	6.70E-08	2.93E-08	1.24E-08	4.17E-08	2.43E-08	7.48E-09	3.18E-08
876	564123.02	4191156.03	3.00E-07	1.07E-07	4.07E-07	4.81E-08	1.67E-08	6.48E-08	2.84E-08	1.20E-08	4.04E-08	2.35E-08	7.24E-09	3.08E-08
877	564131.47	4191142.59	2.93E-07	1.04E-07	3.97E-07	4.70E-08	1.63E-08	6.33E-08	2.77E-08	1.17E-08	3.94E-08	2.30E-08	7.07E-09	3.00E-08
878	564148.38	4191115.72	2.83E-07	1.01E-07	3.84E-07	4.54E-08	1.58E-08	6.12E-08	2.68E-08	1.13E-08	3.81E-08	2.22E-08	6.83E-09	2.90E-08

879	564156.84	4191102.29	2.81E-07	9.98E-08	3.81E-07	4.51E-08	1.56E-08	6.07E-08	2.66E-08	1.12E-08	3.78E-08	2.20E-08	6.78E-09	2.88E-08
880	564168.8	4191093.8	2.92E-07	1.04E-07	3.95E-07	4.68E-08	1.62E-08	6.30E-08	2.76E-08	1.16E-08	3.92E-08	2.29E-08	7.04E-09	2.99E-08
881	564184.28	4191090.26	3.18E-07	1.13E-07	4.31E-07	5.10E-08	1.77E-08	6.87E-08	3.01E-08	1.27E-08	4.28E-08	2.49E-08	7.67E-09	3.26E-08
882	564199.75	4191086.72	3.53E-07	1.25E-07	4.78E-07	5.66E-08	1.96E-08	7.62E-08	3.34E-08	1.41E-08	4.75E-08	2.77E-08	8.51E-09	3.62E-08
883	564230.7	4191079.64	4.74E-07	1.69E-07	6.43E-07	7.61E-08	2.64E-08	1.02E-07	4.49E-08	1.89E-08	6.38E-08	3.72E-08	1.14E-08	4.87E-08
884	564246.18	4191076.1	5.70E-07	2.03E-07	7.73E-07	9.15E-08	3.17E-08	1.23E-07	5.40E-08	2.27E-08	7.67E-08	4.47E-08	1.38E-08	5.85E-08
885	564261.65	4191072.56	6.85E-07	2.43E-07	9.28E-07	1.10E-07	3.81E-08	1.48E-07	6.48E-08	2.73E-08	9.22E-08	5.37E-08	1.65E-08	7.03E-08
886	564277.13	4191069.02	8.01E-07	2.85E-07	1.09E-06	1.28E-07	4.46E-08	1.73E-07	7.58E-08	3.19E-08	1.08E-07	6.28E-08	1.93E-08	8.21E-08
887	564292.6	4191065.49	9.07E-07	3.22E-07	1.23E-06	1.46E-07	5.05E-08	1.96E-07	8.59E-08	3.62E-08	1.22E-07	7.12E-08	2.19E-08	9.31E-08
888	564339.03	4191054.87	1.17E-06	4.15E-07	1.58E-06	1.87E-07	6.50E-08	2.52E-07	1.10E-07	4.65E-08	1.57E-07	9.15E-08	2.82E-08	1.20E-07
889	564049.77	4191278.31	3.15E-07	1.12E-07	4.27E-07	5.06E-08	1.76E-08	6.82E-08	2.99E-08	1.26E-08	4.24E-08	2.47E-08	7.61E-09	3.24E-08
890	564047	4191294.48	3.18E-07	1.13E-07	4.31E-07	5.10E-08	1.77E-08	6.88E-08	3.01E-08	1.27E-08	4.28E-08	2.50E-08	7.68E-09	3.26E-08
891	564044.23	4191310.65	3.27E-07	1.16E-07	4.43E-07	5.24E-08	1.82E-08	7.06E-08	3.09E-08	1.30E-08	4.39E-08	2.56E-08	7.89E-09	3.35E-08
892	564045.52	4191261.83	3.02E-07	1.07E-07	4.10E-07	4.85E-08	1.68E-08	6.53E-08	2.86E-08	1.20E-08	4.07E-08	2.37E-08	7.30E-09	3.10E-08
893	564053.96	4191248.42	3.15E-07	1.12E-07	4.27E-07	5.06E-08	1.76E-08	6.81E-08	2.98E-08	1.26E-08	4.24E-08	2.47E-08	7.61E-09	3.23E-08
894	564062.4	4191235	3.25E-07	1.16E-07	4.41E-07	5.22E-08	1.81E-08	7.03E-08	3.08E-08	1.30E-08	4.37E-08	2.55E-08	7.85E-09	3.34E-08
895	564070.85	4191221.58	3.29E-07	1.17E-07	4.45E-07	5.27E-08	1.83E-08	7.10E-08	3.11E-08	1.31E-08	4.42E-08	2.58E-08	7.93E-09	3.37E-08
896	564079.29	4191208.16	3.26E-07	1.16E-07	4.42E-07	5.23E-08	1.82E-08	7.05E-08	3.09E-08	1.30E-08	4.39E-08	2.56E-08	7.87E-09	3.34E-08
897	564087.73	4191194.75	3.18E-07	1.13E-07	4.32E-07	5.11E-08	1.77E-08	6.88E-08	3.01E-08	1.27E-08	4.28E-08	2.50E-08	7.69E-09	3.27E-08
898	564096.18	4191181.33	3.07E-07	1.09E-07	4.16E-07	4.93E-08	1.71E-08	6.64E-08	2.91E-08	1.22E-08	4.13E-08	2.41E-08	7.42E-09	3.15E-08
899	564104.62	4191167.91	2.95E-07	1.05E-07	4.00E-07	4.73E-08	1.64E-08	6.37E-08	2.79E-08	1.18E-08	3.97E-08	2.31E-08	7.12E-09	3.03E-08
900	564113.06	4191154.5	2.85E-07	1.01E-07	3.86E-07	4.57E-08	1.58E-08	6.15E-08	2.69E-08	1.13E-08	3.83E-08	2.23E-08	6.87E-09	2.92E-08
901	564121.51	4191141.08	2.77E-07	9.86E-08	3.76E-07	4.45E-08	1.54E-08	6.00E-08	2.63E-08	1.11E-08	3.73E-08	2.18E-08	6.70E-09	2.85E-08
902	564138.39	4191114.25	2.68E-07	9.51E-08	3.63E-07	4.29E-08	1.49E-08	5.78E-08	2.53E-08	1.07E-08	3.60E-08	2.10E-08	6.46E-09	2.75E-08
903	564146.84	4191100.83	2.65E-07	9.41E-08	3.59E-07	4.25E-08	1.47E-08	5.72E-08	2.51E-08	1.06E-08	3.56E-08	2.08E-08	6.39E-09	2.72E-08
904	564163.01	4191085.65	2.74E-07	9.74E-08	3.72E-07	4.40E-08	1.53E-08	5.93E-08	2.60E-08	1.09E-08	3.69E-08	2.15E-08	6.62E-09	2.81E-08
905	564178.46	4191082.11	2.98E-07	1.06E-07	4.04E-07	4.78E-08	1.66E-08	6.44E-08	2.82E-08	1.19E-08	4.01E-08	2.34E-08	7.19E-09	3.06E-08
906	564193.91	4191078.58	3.28E-07	1.17E-07	4.45E-07	5.27E-08	1.83E-08	7.09E-08	3.11E-08	1.31E-08	4.42E-08	2.57E-08	7.92E-09	3.37E-08
907	564224.82	4191071.51	4.34E-07	1.54E-07	5.88E-07	6.96E-08	2.42E-08	9.38E-08	4.11E-08	1.73E-08	5.84E-08	3.40E-08	1.05E-08	4.45E-08
908	564240.28	4191067.97	5.18E-07	1.84E-07	7.02E-07	8.31E-08	2.88E-08	1.12E-07	4.90E-08	2.06E-08	6.97E-08	4.06E-08	1.25E-08	5.31E-08
909	564255.73	4191064.44	6.20E-07	2.20E-07	8.41E-07	9.95E-08	3.45E-08	1.34E-07	5.87E-08	2.47E-08	8.35E-08	4.87E-08	1.50E-08	6.36E-08
910	564271.18	4191060.91	7.29E-07	2.59E-07	9.88E-07	1.17E-07	4.06E-08	1.58E-07	6.90E-08	2.91E-08	9.81E-08	5.72E-08	1.76E-08	7.48E-08
911	564317.54	4191050.3	1.01E-06	3.58E-07	1.37E-06	1.62E-07	5.61E-08	2.18E-07	9.54E-08	4.02E-08	1.36E-07	7.91E-08	2.43E-08	1.03E-07
912	564333	4191046.77	1.08E-06	3.83E-07	1.46E-06	1.73E-07	6.00E-08	2.33E-07	1.02E-07	4.30E-08	1.45E-07	8.46E-08	2.60E-08	1.11E-07
913	564348.45	4191043.23	1.13E-06	4.02E-07	1.53E-06	1.81E-07	6.29E-08	2.44E-07	1.07E-07	4.51E-08	1.52E-07	8.87E-08	2.73E-08	1.16E-07
914	564039.91	4191276.62	2.96E-07	1.05E-07	4.01E-07	4.74E-08	1.65E-08	6.39E-08	2.80E-08	1.18E-08	3.98E-08	2.32E-08	7.14E-09	3.03E-08
915	564037.14	4191292.79	2.98E-07	1.06E-07	4.04E-07	4.78E-08	1.66E-08	6.44E-08	2.82E-08	1.19E-08	4.01E-08	2.34E-08	7.20E-09	3.06E-08
916	564034.38	4191308.96	3.05E-07	1.08E-07	4.14E-07	4.90E-08	1.70E-08	6.60E-08	2.89E-08	1.22E-08	4.11E-08	2.40E-08	7.37E-09	3.13E-08
917	564035.66	4191260.15	2.84E-07	1.01E-07	3.84E-07	4.55E-08	1.58E-08	6.13E-08	2.68E-08	1.13E-08	3.82E-08	2.22E-08	6.85E-09	2.91E-08
918	564044.09	4191246.75	2.96E-07	1.05E-07	4.01E-07	4.75E-08	1.65E-08	6.39E-08	2.80E-08	1.18E-08	3.98E-08	2.32E-08	7.14E-09	3.03E-08
919	564052.52	4191233.35	3.06E-07	1.09E-07	4.15E-07	4.91E-08	1.70E-08	6.61E-08	2.90E-08	1.22E-08	4.12E-08	2.40E-08	7.39E-09	3.14E-08
920	564060.95	4191219.95	3.10E-07	1.10E-07	4.20E-07	4.98E-08	1.73E-08	6.70E-08	2.94E-08	1.24E-08	4.17E-08	2.43E-08	7.49E-09	3.18E-08

921	564069.39	4191206.55	3.08E-07	1.10E-07	4.18E-07	4.95E-08	1.72E-08	6.66E-08	2.92E-08	1.23E-08	4.15E-08	2.42E-08	7.44E-09	3.16E-08
922	564077.82	4191193.15	3.02E-07	1.07E-07	4.09E-07	4.84E-08	1.68E-08	6.52E-08	2.86E-08	1.20E-08	4.06E-08	2.37E-08	7.29E-09	3.10E-08
923	564086.25	4191179.75	2.92E-07	1.04E-07	3.96E-07	4.69E-08	1.63E-08	6.32E-08	2.77E-08	1.17E-08	3.93E-08	2.29E-08	7.06E-09	3.00E-08
924	564094.68	4191166.35	2.81E-07	9.99E-08	3.81E-07	4.51E-08	1.57E-08	6.08E-08	2.66E-08	1.12E-08	3.78E-08	2.21E-08	6.79E-09	2.88E-08
925	564103.12	4191152.96	2.71E-07	9.63E-08	3.67E-07	4.35E-08	1.51E-08	5.85E-08	2.56E-08	1.08E-08	3.64E-08	2.13E-08	6.54E-09	2.78E-08
926	564111.55	4191139.56	2.63E-07	9.36E-08	3.57E-07	4.22E-08	1.47E-08	5.69E-08	2.49E-08	1.05E-08	3.54E-08	2.07E-08	6.36E-09	2.70E-08
927	564128.41	4191112.76	2.54E-07	9.02E-08	3.44E-07	4.07E-08	1.41E-08	5.49E-08	2.40E-08	1.01E-08	3.42E-08	1.99E-08	6.13E-09	2.61E-08
928	564136.85	4191099.36	2.51E-07	8.91E-08	3.40E-07	4.02E-08	1.40E-08	5.42E-08	2.37E-08	1.00E-08	3.37E-08	1.97E-08	6.05E-09	2.57E-08
929	564145.28	4191085.96	2.49E-07	8.86E-08	3.38E-07	4.00E-08	1.39E-08	5.39E-08	2.36E-08	9.94E-09	3.35E-08	1.96E-08	6.02E-09	2.56E-08
930	564157.21	4191077.49	2.58E-07	9.18E-08	3.50E-07	4.14E-08	1.44E-08	5.58E-08	2.45E-08	1.03E-08	3.47E-08	2.03E-08	6.23E-09	2.65E-08
931	564172.65	4191073.96	2.80E-07	9.95E-08	3.79E-07	4.49E-08	1.56E-08	6.05E-08	2.65E-08	1.12E-08	3.77E-08	2.20E-08	6.76E-09	2.87E-08
932	564188.08	4191070.43	3.07E-07	1.09E-07	4.16E-07	4.92E-08	1.71E-08	6.63E-08	2.91E-08	1.22E-08	4.13E-08	2.41E-08	7.41E-09	3.15E-08
933	564203.51	4191066.9	3.44E-07	1.22E-07	4.67E-07	5.52E-08	1.92E-08	7.44E-08	3.26E-08	1.37E-08	4.63E-08	2.70E-08	8.31E-09	3.53E-08
934	564234.38	4191059.84	4.72E-07	1.68E-07	6.40E-07	7.58E-08	2.63E-08	1.02E-07	4.47E-08	1.88E-08	6.35E-08	3.71E-08	1.14E-08	4.85E-08
935	564249.82	4191056.31	5.64E-07	2.00E-07	7.64E-07	9.04E-08	3.14E-08	1.22E-07	5.34E-08	2.25E-08	7.58E-08	4.42E-08	1.36E-08	5.78E-08
936	564280.68	4191049.25	7.60E-07	2.70E-07	1.03E-06	1.22E-07	4.23E-08	1.64E-07	7.20E-08	3.03E-08	1.02E-07	5.96E-08	1.84E-08	7.80E-08
937	564296.12	4191045.72	8.47E-07	3.01E-07	1.15E-06	1.36E-07	4.71E-08	1.83E-07	8.02E-08	3.38E-08	1.14E-07	6.64E-08	2.04E-08	8.69E-08
938	564311.55	4191042.19	9.28E-07	3.30E-07	1.26E-06	1.49E-07	5.17E-08	2.01E-07	8.78E-08	3.70E-08	1.25E-07	7.28E-08	2.24E-08	9.52E-08
939	564326.98	4191038.66	9.97E-07	3.54E-07	1.35E-06	1.60E-07	5.55E-08	2.15E-07	9.44E-08	3.97E-08	1.34E-07	7.82E-08	2.41E-08	1.02E-07
940	564342.42	4191035.13	1.05E-06	3.73E-07	1.42E-06	1.68E-07	5.84E-08	2.27E-07	9.93E-08	4.18E-08	1.41E-07	8.23E-08	2.53E-08	1.08E-07
941	564030.05	4191274.94	2.78E-07	9.87E-08	3.77E-07	4.46E-08	1.55E-08	6.00E-08	2.63E-08	1.11E-08	3.74E-08	2.18E-08	6.71E-09	2.85E-08
942	564027.29	4191291.11	2.80E-07	9.95E-08	3.80E-07	4.49E-08	1.56E-08	6.05E-08	2.65E-08	1.12E-08	3.77E-08	2.20E-08	6.76E-09	2.87E-08
943	564024.52	4191307.27	2.86E-07	1.02E-07	3.88E-07	4.59E-08	1.59E-08	6.18E-08	2.71E-08	1.14E-08	3.85E-08	2.24E-08	6.91E-09	2.93E-08
944	564025.94	4191258.23	2.67E-07	9.48E-08	3.61E-07	4.28E-08	1.48E-08	5.76E-08	2.52E-08	1.06E-08	3.59E-08	2.09E-08	6.44E-09	2.74E-08
945	564034.67	4191244.37	2.79E-07	9.90E-08	3.78E-07	4.47E-08	1.55E-08	6.02E-08	2.64E-08	1.11E-08	3.75E-08	2.19E-08	6.73E-09	2.86E-08
946	564043.39	4191230.51	2.89E-07	1.03E-07	3.91E-07	4.63E-08	1.61E-08	6.24E-08	2.73E-08	1.15E-08	3.88E-08	2.26E-08	6.97E-09	2.96E-08
947	564052.11	4191216.65	2.93E-07	1.04E-07	3.97E-07	4.70E-08	1.63E-08	6.34E-08	2.78E-08	1.17E-08	3.94E-08	2.30E-08	7.08E-09	3.01E-08
948	564060.84	4191202.79	2.91E-07	1.04E-07	3.95E-07	4.67E-08	1.62E-08	6.29E-08	2.76E-08	1.16E-08	3.92E-08	2.29E-08	7.03E-09	2.99E-08
949	564069.56	4191188.93	2.85E-07	1.01E-07	3.86E-07	4.57E-08	1.59E-08	6.16E-08	2.70E-08	1.14E-08	3.84E-08	2.24E-08	6.88E-09	2.92E-08
950	564078.28	4191175.06	2.76E-07	9.81E-08	3.74E-07	4.43E-08	1.54E-08	5.96E-08	2.61E-08	1.10E-08	3.71E-08	2.17E-08	6.66E-09	2.83E-08
951	564087.01	4191161.2	2.65E-07	9.43E-08	3.60E-07	4.26E-08	1.48E-08	5.74E-08	2.51E-08	1.06E-08	3.57E-08	2.08E-08	6.41E-09	2.72E-08
952	564095.73	4191147.34	2.56E-07	9.08E-08	3.46E-07	4.10E-08	1.42E-08	5.52E-08	2.42E-08	1.02E-08	3.44E-08	2.01E-08	6.17E-09	2.62E-08
953	564104.45	4191133.48	2.48E-07	8.83E-08	3.37E-07	3.99E-08	1.38E-08	5.37E-08	2.35E-08	9.91E-09	3.34E-08	1.95E-08	6.00E-09	2.55E-08
954	564121.9	4191105.75	2.40E-07	8.53E-08	3.25E-07	3.85E-08	1.34E-08	5.19E-08	2.27E-08	9.57E-09	3.23E-08	1.88E-08	5.79E-09	2.46E-08
955	564130.62	4191091.89	2.37E-07	8.42E-08	3.21E-07	3.80E-08	1.32E-08	5.12E-08	2.24E-08	9.45E-09	3.19E-08	1.86E-08	5.72E-09	2.43E-08
956	564139.35	4191078.03	2.36E-07	8.37E-08	3.19E-07	3.78E-08	1.31E-08	5.09E-08	2.23E-08	9.39E-09	3.17E-08	1.85E-08	5.69E-09	2.42E-08
957	564151.69	4191069.27	2.44E-07	8.67E-08	3.31E-07	3.92E-08	1.36E-08	5.28E-08	2.31E-08	9.73E-09	3.28E-08	1.92E-08	5.89E-09	2.50E-08
958	564167.66	4191065.62	2.64E-07	9.40E-08	3.58E-07	4.24E-08	1.47E-08	5.72E-08	2.50E-08	1.05E-08	3.56E-08	2.07E-08	6.38E-09	2.71E-08
959	564183.62	4191061.97	2.90E-07	1.03E-07	3.94E-07	4.66E-08	1.62E-08	6.28E-08	2.75E-08	1.16E-08	3.91E-08	2.28E-08	7.01E-09	2.98E-08
960	564199.59	4191058.32	3.26E-07	1.16E-07	4.42E-07	5.23E-08	1.81E-08	7.04E-08	3.08E-08	1.30E-08	4.38E-08	2.56E-08	7.86E-09	3.34E-08
961	564263.45	4191043.71	6.31E-07	2.24E-07	8.56E-07	1.01E-07	3.51E-08	1.36E-07	5.98E-08	2.52E-08	8.49E-08	4.95E-08	1.52E-08	6.48E-08
962	564279.42	4191040.06	7.22E-07	2.57E-07	9.79E-07	1.16E-07	4.02E-08	1.56E-07	6.84E-08	2.88E-08	9.71E-08	5.66E-08	1.74E-08	7.41E-08

963	564295.39	4191036.41	8.05E-07	2.86E-07	1.09E-06	1.29E-07	4.48E-08	1.74E-07	7.62E-08	3.21E-08	1.08E-07	6.32E-08	1.94E-08	8.26E-08
964	564311.35	4191032.76	8.82E-07	3.14E-07	1.20E-06	1.42E-07	4.91E-08	1.91E-07	8.35E-08	3.52E-08	1.19E-07	6.92E-08	2.13E-08	9.05E-08
965	564327.32	4191029.11	9.47E-07	3.36E-07	1.28E-06	1.52E-07	5.27E-08	2.05E-07	8.96E-08	3.77E-08	1.27E-07	7.43E-08	2.29E-08	9.71E-08
966	564343.28	4191025.46	9.93E-07	3.53E-07	1.35E-06	1.59E-07	5.53E-08	2.15E-07	9.40E-08	3.96E-08	1.34E-07	7.79E-08	2.40E-08	1.02E-07
967	564020.2	4191273.25	2.61E-07	9.29E-08	3.54E-07	4.19E-08	1.46E-08	5.65E-08	2.48E-08	1.04E-08	3.52E-08	2.05E-08	6.31E-09	2.68E-08
968	564017.43	4191289.42	2.63E-07	9.36E-08	3.57E-07	4.23E-08	1.47E-08	5.69E-08	2.49E-08	1.05E-08	3.54E-08	2.07E-08	6.36E-09	2.70E-08
969	564014.66	4191305.59	2.69E-07	9.55E-08	3.64E-07	4.31E-08	1.50E-08	5.81E-08	2.55E-08	1.07E-08	3.62E-08	2.11E-08	6.49E-09	2.76E-08
970	564016.08	4191256.56	2.52E-07	8.94E-08	3.41E-07	4.04E-08	1.40E-08	5.44E-08	2.38E-08	1.00E-08	3.38E-08	1.97E-08	6.07E-09	2.58E-08
971	564024.78	4191242.73	2.62E-07	9.32E-08	3.56E-07	4.21E-08	1.46E-08	5.67E-08	2.48E-08	1.05E-08	3.53E-08	2.06E-08	6.33E-09	2.69E-08
972	564033.48	4191228.9	2.72E-07	9.67E-08	3.69E-07	4.36E-08	1.51E-08	5.88E-08	2.57E-08	1.08E-08	3.66E-08	2.13E-08	6.57E-09	2.79E-08
973	564042.19	4191215.07	2.77E-07	9.85E-08	3.76E-07	4.45E-08	1.54E-08	5.99E-08	2.62E-08	1.10E-08	3.73E-08	2.17E-08	6.69E-09	2.84E-08
974	564050.89	4191201.24	2.76E-07	9.82E-08	3.74E-07	4.43E-08	1.54E-08	5.97E-08	2.62E-08	1.10E-08	3.72E-08	2.17E-08	6.67E-09	2.83E-08
975	564059.59	4191187.41	2.71E-07	9.63E-08	3.67E-07	4.35E-08	1.51E-08	5.86E-08	2.57E-08	1.08E-08	3.65E-08	2.13E-08	6.54E-09	2.78E-08
976	564068.3	4191173.58	2.63E-07	9.35E-08	3.57E-07	4.22E-08	1.46E-08	5.68E-08	2.49E-08	1.05E-08	3.54E-08	2.06E-08	6.35E-09	2.70E-08
977	564077	4191159.75	2.53E-07	9.01E-08	3.44E-07	4.07E-08	1.41E-08	5.48E-08	2.40E-08	1.01E-08	3.41E-08	1.99E-08	6.12E-09	2.60E-08
978	564085.7	4191145.92	2.44E-07	8.67E-08	3.31E-07	3.91E-08	1.36E-08	5.27E-08	2.31E-08	9.72E-09	3.28E-08	1.91E-08	5.89E-09	2.50E-08
979	564094.41	4191132.09	2.37E-07	8.41E-08	3.21E-07	3.80E-08	1.32E-08	5.11E-08	2.24E-08	9.44E-09	3.18E-08	1.86E-08	5.71E-09	2.43E-08
980	564111.81	4191104.43	2.29E-07	8.12E-08	3.10E-07	3.67E-08	1.27E-08	4.94E-08	2.16E-08	9.11E-09	3.07E-08	1.79E-08	5.52E-09	2.34E-08
981	564120.52	4191090.6	2.25E-07	8.01E-08	3.05E-07	3.62E-08	1.25E-08	4.87E-08	2.13E-08	8.98E-09	3.03E-08	1.77E-08	5.44E-09	2.31E-08
982	564129.22	4191076.77	2.23E-07	7.94E-08	3.03E-07	3.58E-08	1.24E-08	4.83E-08	2.11E-08	8.91E-09	3.01E-08	1.75E-08	5.39E-09	2.29E-08
983	564145.89	4191061.12	2.31E-07	8.20E-08	3.13E-07	3.70E-08	1.28E-08	4.99E-08	2.18E-08	9.20E-09	3.11E-08	1.81E-08	5.57E-09	2.37E-08
984	564161.82	4191057.48	2.49E-07	8.86E-08	3.38E-07	4.00E-08	1.39E-08	5.39E-08	2.36E-08	9.94E-09	3.35E-08	1.96E-08	6.02E-09	2.56E-08
985	564177.75	4191053.84	2.73E-07	9.70E-08	3.70E-07	4.38E-08	1.52E-08	5.90E-08	2.58E-08	1.09E-08	3.67E-08	2.14E-08	6.59E-09	2.80E-08
986	564193.68	4191050.19	3.04E-07	1.08E-07	4.12E-07	4.88E-08	1.69E-08	6.57E-08	2.88E-08	1.21E-08	4.09E-08	2.39E-08	7.34E-09	3.12E-08
987	564225.54	4191042.91	4.10E-07	1.46E-07	5.56E-07	6.58E-08	2.28E-08	8.86E-08	3.88E-08	1.63E-08	5.51E-08	3.22E-08	9.89E-09	4.21E-08
988	564241.46	4191039.26	4.87E-07	1.73E-07	6.60E-07	7.82E-08	2.71E-08	1.05E-07	4.61E-08	1.94E-08	6.56E-08	3.82E-08	1.18E-08	5.00E-08
989	564257.39	4191035.62	5.74E-07	2.04E-07	7.78E-07	9.21E-08	3.20E-08	1.24E-07	5.44E-08	2.29E-08	7.73E-08	4.50E-08	1.39E-08	5.89E-08
990	564273.32	4191031.98	6.61E-07	2.35E-07	8.96E-07	1.06E-07	3.68E-08	1.43E-07	6.26E-08	2.63E-08	8.89E-08	5.18E-08	1.60E-08	6.78E-08
991	564289.25	4191028.33	7.41E-07	2.63E-07	1.00E-06	1.19E-07	4.13E-08	1.60E-07	7.02E-08	2.95E-08	9.97E-08	5.81E-08	1.79E-08	7.60E-08
992	564305.18	4191024.69	8.14E-07	2.89E-07	1.10E-06	1.31E-07	4.53E-08	1.76E-07	7.71E-08	3.25E-08	1.10E-07	6.39E-08	1.97E-08	8.36E-08
993	564321.11	4191021.05	8.78E-07	3.12E-07	1.19E-06	1.41E-07	4.89E-08	1.90E-07	8.32E-08	3.50E-08	1.18E-07	6.89E-08	2.12E-08	9.01E-08
994	564337.04	4191017.4	9.25E-07	3.29E-07	1.25E-06	1.48E-07	5.15E-08	2.00E-07	8.76E-08	3.69E-08	1.24E-07	7.26E-08	2.23E-08	9.49E-08
995	564352.97	4191013.76	9.57E-07	3.40E-07	1.30E-06	1.53E-07	5.33E-08	2.07E-07	9.05E-08	3.81E-08	1.29E-07	7.50E-08	2.31E-08	9.81E-08
996	564010.34	4191271.56	2.46E-07	8.76E-08	3.34E-07	3.95E-08	1.37E-08	5.33E-08	2.33E-08	9.82E-09	3.32E-08	1.93E-08	5.95E-09	2.53E-08
997	564007.57	4191287.73	2.48E-07	8.81E-08	3.36E-07	3.98E-08	1.38E-08	5.36E-08	2.35E-08	9.88E-09	3.34E-08	1.95E-08	5.98E-09	2.54E-08
998	564004.81	4191303.9	2.53E-07	9.00E-08	3.43E-07	4.06E-08	1.41E-08	5.47E-08	2.40E-08	1.01E-08	3.41E-08	1.99E-08	6.11E-09	2.60E-08
999	564300.73	4191371.94	3.92E-05	1.39E-05	5.31E-05	6.29E-06	2.18E-06	8.47E-06	3.71E-06	1.56E-06	5.27E-06	3.07E-06	9.46E-07	4.02E-06
1000	564317.18	4191377.49	5.46E-05	1.94E-05	7.41E-05	8.77E-06	3.04E-06	1.18E-05	5.17E-06	2.18E-06	7.35E-06	4.29E-06	1.32E-06	5.61E-06
1001	564327.03	4191379	5.63E-05	2.00E-05	7.63E-05	9.04E-06	3.14E-06	1.22E-05	5.33E-06	2.25E-06	7.58E-06	4.42E-06	1.36E-06	5.78E-06
1002	564336.88	4191380.52	5.05E-05	1.80E-05	6.85E-05	8.11E-06	2.81E-06	1.09E-05	4.78E-06	2.01E-06	6.80E-06	3.97E-06	1.22E-06	5.19E-06
1003	564299.21	4191381.82	3.01E-05	1.07E-05	4.08E-05	4.83E-06	1.67E-06	6.50E-06	2.85E-06	1.20E-06	4.05E-06	2.36E-06	7.26E-07	3.09E-06
1004	564284.28	4191366.22	1.95E-05	6.92E-06	2.64E-05	3.12E-06	1.08E-06	4.21E-06	1.84E-06	7.76E-07	2.62E-06	1.53E-06	4.70E-07	2.00E-06

1005	564315.66	4191387.38	3.57E-05	1.27E-05	4.84E-05	5.73E-06	1.99E-06	7.72E-06	3.38E-06	1.42E-06	4.81E-06	2.80E-06	8.63E-07	3.67E-06
1006	564325.51	4191388.89	3.59E-05	1.28E-05	4.87E-05	5.76E-06	2.00E-06	7.76E-06	3.40E-06	1.43E-06	4.83E-06	2.82E-06	8.66E-07	3.68E-06
1007	564335.37	4191390.4	3.30E-05	1.17E-05	4.48E-05	5.30E-06	1.84E-06	7.14E-06	3.13E-06	1.32E-06	4.44E-06	2.59E-06	7.97E-07	3.39E-06
1008	564297.69	4191391.71	2.30E-05	8.18E-06	3.12E-05	3.69E-06	1.28E-06	4.97E-06	2.18E-06	9.18E-07	3.10E-06	1.81E-06	5.56E-07	2.36E-06
1009	564284.5	4191383.63	1.84E-05	6.53E-06	2.49E-05	2.95E-06	1.02E-06	3.97E-06	1.74E-06	7.32E-07	2.47E-06	1.44E-06	4.43E-07	1.88E-06
1010	564276.16	4191372.06	1.43E-05	5.10E-06	1.94E-05	2.30E-06	7.98E-07	3.10E-06	1.36E-06	5.72E-07	1.93E-06	1.13E-06	3.46E-07	1.47E-06
1011	564314.14	4191397.26	2.50E-05	8.87E-06	3.38E-05	4.00E-06	1.39E-06	5.39E-06	2.36E-06	9.95E-07	3.36E-06	1.96E-06	6.02E-07	2.56E-06
1012	564323.99	4191398.77	2.48E-05	8.80E-06	3.36E-05	3.97E-06	1.38E-06	5.35E-06	2.34E-06	9.87E-07	3.33E-06	1.94E-06	5.98E-07	2.54E-06
1013	564333.85	4191400.29	2.32E-05	8.23E-06	3.14E-05	3.71E-06	1.29E-06	5.00E-06	2.19E-06	9.23E-07	3.12E-06	1.82E-06	5.59E-07	2.38E-06
1014	564294.53	4191400.58	1.77E-05	6.31E-06	2.41E-05	2.85E-06	9.88E-07	3.84E-06	1.68E-06	7.08E-07	2.39E-06	1.39E-06	4.28E-07	1.82E-06
1015	564286.28	4191395.54	1.65E-05	5.87E-06	2.24E-05	2.65E-06	9.19E-07	3.57E-06	1.56E-06	6.58E-07	2.22E-06	1.30E-06	3.99E-07	1.69E-06
1016	564278.04	4191390.49	1.42E-05	5.06E-06	1.93E-05	2.29E-06	7.93E-07	3.08E-06	1.35E-06	5.68E-07	1.92E-06	1.12E-06	3.44E-07	1.46E-06
1017	564267.62	4191376.02	1.08E-05	3.85E-06	1.47E-05	1.74E-06	6.03E-07	2.34E-06	1.02E-06	4.32E-07	1.46E-06	8.49E-07	2.61E-07	1.11E-06
1018	564265.44	4191366.61	9.58E-06	3.41E-06	1.30E-05	1.54E-06	5.33E-07	2.07E-06	9.07E-07	3.82E-07	1.29E-06	7.52E-07	2.31E-07	9.83E-07
1019	564302.77	4191405.63	1.77E-05	6.28E-06	2.39E-05	2.83E-06	9.83E-07	3.82E-06	1.67E-06	7.04E-07	2.38E-06	1.39E-06	4.26E-07	1.81E-06
1020	564312.62	4191407.14	1.84E-05	6.52E-06	2.49E-05	2.95E-06	1.02E-06	3.97E-06	1.74E-06	7.32E-07	2.47E-06	1.44E-06	4.43E-07	1.88E-06
1021	564322.48	4191408.66	1.81E-05	6.43E-06	2.45E-05	2.90E-06	1.01E-06	3.91E-06	1.71E-06	7.22E-07	2.44E-06	1.42E-06	4.37E-07	1.86E-06
1022	564332.33	4191410.17	1.71E-05	6.09E-06	2.32E-05	2.75E-06	9.54E-07	3.70E-06	1.62E-06	6.83E-07	2.31E-06	1.34E-06	4.14E-07	1.76E-06
1023	564293.34	4191410.67	1.41E-05	5.02E-06	1.91E-05	2.26E-06	7.86E-07	3.05E-06	1.34E-06	5.63E-07	1.90E-06	1.11E-06	3.41E-07	1.45E-06
1024	564285.42	4191405.82	1.37E-05	4.87E-06	1.86E-05	2.20E-06	7.63E-07	2.96E-06	1.30E-06	5.47E-07	1.84E-06	1.08E-06	3.31E-07	1.41E-06
1025	564277.51	4191400.98	1.26E-05	4.47E-06	1.71E-05	2.02E-06	7.00E-07	2.72E-06	1.19E-06	5.02E-07	1.69E-06	9.87E-07	3.04E-07	1.29E-06
1026	564269.6	4191396.13	1.10E-05	3.89E-06	1.49E-05	1.76E-06	6.10E-07	2.37E-06	1.04E-06	4.37E-07	1.47E-06	8.60E-07	2.65E-07	1.12E-06
1027	564259.59	4191382.25	8.68E-06	3.09E-06	1.18E-05	1.39E-06	4.83E-07	1.88E-06	8.22E-07	3.46E-07	1.17E-06	6.81E-07	2.10E-07	8.91E-07
1028	564257.5	4191373.21	7.88E-06	2.80E-06	1.07E-05	1.26E-06	4.39E-07	1.70E-06	7.46E-07	3.14E-07	1.06E-06	6.18E-07	1.90E-07	8.08E-07
1029	564255.41	4191364.17	6.88E-06	2.45E-06	9.33E-06	1.10E-06	3.83E-07	1.49E-06	6.52E-07	2.74E-07	9.26E-07	5.40E-07	1.66E-07	7.06E-07
1030	564301.25	4191415.51	1.38E-05	4.90E-06	1.87E-05	2.21E-06	7.68E-07	2.98E-06	1.31E-06	5.50E-07	1.86E-06	1.08E-06	3.33E-07	1.42E-06
1031	564311.1	4191417.03	1.41E-05	5.01E-06	1.91E-05	2.26E-06	7.85E-07	3.05E-06	1.33E-06	5.62E-07	1.90E-06	1.11E-06	3.40E-07	1.45E-06
1032	564320.96	4191418.54	1.39E-05	4.93E-06	1.88E-05	2.22E-06	7.72E-07	3.00E-06	1.31E-06	5.53E-07	1.87E-06	1.09E-06	3.35E-07	1.42E-06
1033	564330.81	4191420.05	1.32E-05	4.70E-06	1.79E-05	2.12E-06	7.36E-07	2.86E-06	1.25E-06	5.27E-07	1.78E-06	1.04E-06	3.19E-07	1.36E-06
1034	564292.04	4191420.69	1.14E-05	4.06E-06	1.55E-05	1.83E-06	6.35E-07	2.47E-06	1.08E-06	4.55E-07	1.54E-06	8.95E-07	2.75E-07	1.17E-06
1035	564284.35	4191415.98	1.14E-05	4.04E-06	1.54E-05	1.82E-06	6.32E-07	2.45E-06	1.08E-06	4.53E-07	1.53E-06	8.91E-07	2.74E-07	1.17E-06
1036	564276.65	4191411.27	1.08E-05	3.85E-06	1.47E-05	1.74E-06	6.04E-07	2.34E-06	1.03E-06	4.32E-07	1.46E-06	8.51E-07	2.62E-07	1.11E-06
1037	564268.96	4191406.56	9.91E-06	3.52E-06	1.34E-05	1.59E-06	5.52E-07	2.14E-06	9.38E-07	3.95E-07	1.33E-06	7.77E-07	2.39E-07	1.02E-06
1038	564261.26	4191401.84	8.72E-06	3.10E-06	1.18E-05	1.40E-06	4.85E-07	1.88E-06	8.25E-07	3.47E-07	1.17E-06	6.84E-07	2.10E-07	8.94E-07
1039	564251.53	4191388.34	7.12E-06	2.53E-06	9.65E-06	1.14E-06	3.96E-07	1.54E-06	6.74E-07	2.84E-07	9.58E-07	5.59E-07	1.72E-07	7.31E-07
1040	564247.47	4191370.77	5.89E-06	2.09E-06	7.98E-06	9.45E-07	3.28E-07	1.27E-06	5.58E-07	2.35E-07	7.92E-07	4.62E-07	1.42E-07	6.04E-07
1041	564299.73	4191425.4	1.10E-05	3.93E-06	1.50E-05	1.77E-06	6.15E-07	2.39E-06	1.05E-06	4.40E-07	1.49E-06	8.67E-07	2.67E-07	1.13E-06
1042	564309.59	4191426.91	1.12E-05	3.97E-06	1.51E-05	1.79E-06	6.22E-07	2.41E-06	1.06E-06	4.45E-07	1.50E-06	8.76E-07	2.70E-07	1.15E-06
1043	564319.44	4191428.43	1.10E-05	3.90E-06	1.49E-05	1.76E-06	6.10E-07	2.37E-06	1.04E-06	4.37E-07	1.47E-06	8.60E-07	2.65E-07	1.12E-06
1044	564329.29	4191429.94	1.05E-05	3.74E-06	1.42E-05	1.69E-06	5.85E-07	2.27E-06	9.95E-07	4.19E-07	1.41E-06	8.25E-07	2.54E-07	1.08E-06
1045	564290.68	4191430.67	9.38E-06	3.33E-06	1.27E-05	1.51E-06	5.22E-07	2.03E-06	8.88E-07	3.74E-07	1.26E-06	7.36E-07	2.26E-07	9.63E-07
1046	564275.6	4191421.44	9.27E-06	3.29E-06	1.26E-05	1.49E-06	5.16E-07	2.00E-06	8.78E-07	3.70E-07	1.25E-06	7.27E-07	2.24E-07	9.51E-07

1047	564260.53	4191412.21	8.01E-06	2.85E-06	1.09E-05	1.29E-06	4.46E-07	1.73E-06	7.58E-07	3.19E-07	1.08E-06	6.28E-07	1.93E-07	8.22E-07
1048	564243.46	4191394.37	5.94E-06	2.11E-06	8.05E-06	9.52E-07	3.30E-07	1.28E-06	5.62E-07	2.37E-07	7.99E-07	4.66E-07	1.43E-07	6.09E-07
1049	564239.48	4191377.15	5.08E-06	1.80E-06	6.88E-06	8.15E-07	2.83E-07	1.10E-06	4.81E-07	2.02E-07	6.83E-07	3.98E-07	1.23E-07	5.21E-07
1050	564235.49	4191359.93	3.95E-06	1.40E-06	5.35E-06	6.34E-07	2.20E-07	8.54E-07	3.74E-07	1.57E-07	5.31E-07	3.10E-07	9.53E-08	4.05E-07
1051	564308.07	4191436.8	9.07E-06	3.22E-06	1.23E-05	1.45E-06	5.05E-07	1.96E-06	8.59E-07	3.62E-07	1.22E-06	7.11E-07	2.19E-07	9.30E-07
1052	564317.92	4191438.31	8.89E-06	3.16E-06	1.21E-05	1.43E-06	4.95E-07	1.92E-06	8.42E-07	3.54E-07	1.20E-06	6.98E-07	2.15E-07	9.12E-07
1053	564327.78	4191439.82	8.56E-06	3.04E-06	1.16E-05	1.37E-06	4.77E-07	1.85E-06	8.11E-07	3.41E-07	1.15E-06	6.72E-07	2.07E-07	8.78E-07
1054	564288.22	4191439.98	7.86E-06	2.79E-06	1.07E-05	1.26E-06	4.38E-07	1.70E-06	7.44E-07	3.13E-07	1.06E-06	6.17E-07	1.90E-07	8.06E-07
1055	564279.74	4191434.78	7.99E-06	2.84E-06	1.08E-05	1.28E-06	4.45E-07	1.73E-06	7.56E-07	3.19E-07	1.07E-06	6.27E-07	1.93E-07	8.20E-07
1056	564271.26	4191429.59	7.85E-06	2.79E-06	1.06E-05	1.26E-06	4.37E-07	1.70E-06	7.44E-07	3.13E-07	1.06E-06	6.16E-07	1.90E-07	8.06E-07
1057	564262.78	4191424.4	7.45E-06	2.65E-06	1.01E-05	1.19E-06	4.15E-07	1.61E-06	7.05E-07	2.97E-07	1.00E-06	5.84E-07	1.80E-07	7.64E-07
1058	564254.3	4191419.21	6.80E-06	2.42E-06	9.22E-06	1.09E-06	3.79E-07	1.47E-06	6.44E-07	2.71E-07	9.15E-07	5.34E-07	1.64E-07	6.98E-07
1059	564245.82	4191414.02	6.02E-06	2.14E-06	8.16E-06	9.66E-07	3.35E-07	1.30E-06	5.70E-07	2.40E-07	8.10E-07	4.73E-07	1.45E-07	6.18E-07
1060	564235.1	4191399.14	4.99E-06	1.77E-06	6.76E-06	8.00E-07	2.78E-07	1.08E-06	4.72E-07	1.99E-07	6.71E-07	3.91E-07	1.20E-07	5.12E-07
1061	564232.86	4191389.45	4.66E-06	1.66E-06	6.31E-06	7.47E-07	2.59E-07	1.01E-06	4.41E-07	1.86E-07	6.27E-07	3.65E-07	1.12E-07	4.78E-07
1062	564230.62	4191379.77	4.23E-06	1.50E-06	5.73E-06	6.79E-07	2.35E-07	9.14E-07	4.00E-07	1.69E-07	5.69E-07	3.32E-07	1.02E-07	4.34E-07
1063	564228.38	4191370.08	3.74E-06	1.33E-06	5.07E-06	6.00E-07	2.08E-07	8.08E-07	3.54E-07	1.49E-07	5.03E-07	2.93E-07	9.02E-08	3.83E-07
1064	564226.13	4191360.4	3.24E-06	1.15E-06	4.39E-06	5.19E-07	1.80E-07	6.99E-07	3.06E-07	1.29E-07	4.35E-07	2.54E-07	7.81E-08	3.32E-07
1065	564296.7	4191445.17	7.50E-06	2.67E-06	1.02E-05	1.20E-06	4.18E-07	1.62E-06	7.10E-07	2.99E-07	1.01E-06	5.89E-07	1.81E-07	7.70E-07
1066	564306.55	4191446.68	7.50E-06	2.66E-06	1.02E-05	1.20E-06	4.17E-07	1.62E-06	7.10E-07	2.99E-07	1.01E-06	5.88E-07	1.81E-07	7.69E-07
1067	564316.4	4191448.19	7.36E-06	2.61E-06	9.97E-06	1.18E-06	4.10E-07	1.59E-06	6.97E-07	2.93E-07	9.90E-07	5.77E-07	1.78E-07	7.55E-07
1068	564326.26	4191449.71	7.12E-06	2.53E-06	9.65E-06	1.14E-06	3.96E-07	1.54E-06	6.74E-07	2.84E-07	9.57E-07	5.58E-07	1.72E-07	7.30E-07
1069	564286.94	4191450	6.64E-06	2.36E-06	8.99E-06	1.06E-06	3.69E-07	1.43E-06	6.28E-07	2.65E-07	8.93E-07	5.21E-07	1.60E-07	6.81E-07
1070	564278.69	4191444.96	6.81E-06	2.42E-06	9.23E-06	1.09E-06	3.79E-07	1.47E-06	6.45E-07	2.71E-07	9.16E-07	5.34E-07	1.64E-07	6.99E-07
1071	564270.45	4191439.91	6.80E-06	2.42E-06	9.22E-06	1.09E-06	3.79E-07	1.47E-06	6.44E-07	2.71E-07	9.15E-07	5.34E-07	1.64E-07	6.98E-07
1072	564262.2	4191434.86	6.61E-06	2.35E-06	8.95E-06	1.06E-06	3.68E-07	1.43E-06	6.25E-07	2.63E-07	8.89E-07	5.18E-07	1.59E-07	6.78E-07
1073	564253.96	4191429.81	6.22E-06	2.21E-06	8.44E-06	9.99E-07	3.47E-07	1.35E-06	5.89E-07	2.48E-07	8.37E-07	4.88E-07	1.50E-07	6.39E-07
1074	564245.72	4191424.77	5.69E-06	2.02E-06	7.72E-06	9.14E-07	3.17E-07	1.23E-06	5.39E-07	2.27E-07	7.66E-07	4.47E-07	1.37E-07	5.84E-07
1075	564237.47	4191419.72	5.08E-06	1.81E-06	6.89E-06	8.16E-07	2.83E-07	1.10E-06	4.81E-07	2.03E-07	6.84E-07	3.99E-07	1.23E-07	5.22E-07
1076	564227.05	4191405.26	4.28E-06	1.52E-06	5.80E-06	6.87E-07	2.38E-07	9.25E-07	4.05E-07	1.71E-07	5.76E-07	3.36E-07	1.03E-07	4.39E-07
1077	564224.87	4191395.84	4.04E-06	1.43E-06	5.47E-06	6.47E-07	2.25E-07	8.72E-07	3.82E-07	1.61E-07	5.43E-07	3.17E-07	9.74E-08	4.14E-07
1078	564222.69	4191386.42	3.72E-06	1.32E-06	5.04E-06	5.97E-07	2.07E-07	8.04E-07	3.52E-07	1.48E-07	5.01E-07	2.92E-07	8.98E-08	3.82E-07
1079	564220.51	4191377	3.36E-06	1.19E-06	4.56E-06	5.39E-07	1.87E-07	7.26E-07	3.18E-07	1.34E-07	4.52E-07	2.64E-07	8.11E-08	3.45E-07
1080	564218.33	4191367.59	2.97E-06	1.06E-06	4.03E-06	4.77E-07	1.65E-07	6.42E-07	2.81E-07	1.18E-07	4.00E-07	2.33E-07	7.17E-08	3.05E-07
1081	564216.15	4191358.17	2.60E-06	9.23E-07	3.52E-06	4.17E-07	1.45E-07	5.61E-07	2.46E-07	1.04E-07	3.49E-07	2.04E-07	6.27E-08	2.66E-07
1082	564261.42	4191445.19	5.84E-06	2.07E-06	7.91E-06	9.36E-07	3.25E-07	1.26E-06	5.53E-07	2.33E-07	7.85E-07	4.58E-07	1.41E-07	5.99E-07
1083	564253.36	4191440.26	5.62E-06	2.00E-06	7.62E-06	9.02E-07	3.13E-07	1.21E-06	5.32E-07	2.24E-07	7.56E-07	4.41E-07	1.36E-07	5.77E-07
1084	564245.3	4191435.32	5.28E-06	1.88E-06	7.15E-06	8.47E-07	2.94E-07	1.14E-06	5.00E-07	2.10E-07	7.10E-07	4.14E-07	1.27E-07	5.42E-07
1085	564237.24	4191430.39	4.84E-06	1.72E-06	6.56E-06	7.77E-07	2.70E-07	1.05E-06	4.58E-07	1.93E-07	6.51E-07	3.80E-07	1.17E-07	4.97E-07
1086	564229.18	4191425.45	4.36E-06	1.55E-06	5.90E-06	6.99E-07	2.42E-07	9.41E-07	4.12E-07	1.74E-07	5.86E-07	3.42E-07	1.05E-07	4.47E-07
1087	564218.99	4191411.31	3.72E-06	1.32E-06	5.05E-06	5.97E-07	2.07E-07	8.04E-07	3.52E-07	1.48E-07	5.01E-07	2.92E-07	8.99E-08	3.82E-07
1088	564216.85	4191402.1	3.53E-06	1.25E-06	4.78E-06	5.66E-07	1.96E-07	7.63E-07	3.34E-07	1.41E-07	4.75E-07	2.77E-07	8.52E-08	3.62E-07

1089	564214.72	4191392.9	3.29E-06	1.17E-06	4.46E-06	5.28E-07	1.83E-07	7.11E-07	3.12E-07	1.31E-07	4.43E-07	2.58E-07	7.95E-08	3.38E-07
1090	564212.59	4191383.69	3.02E-06	1.07E-06	4.09E-06	4.84E-07	1.68E-07	6.52E-07	2.86E-07	1.20E-07	4.06E-07	2.37E-07	7.28E-08	3.10E-07
1091	564210.46	4191374.48	2.72E-06	9.67E-07	3.69E-06	4.36E-07	1.51E-07	5.88E-07	2.58E-07	1.08E-07	3.66E-07	2.13E-07	6.57E-08	2.79E-07
1092	564208.33	4191365.27	2.41E-06	8.58E-07	3.27E-06	3.87E-07	1.34E-07	5.22E-07	2.29E-07	9.62E-08	3.25E-07	1.89E-07	5.83E-08	2.48E-07
1093	564206.2	4191356.06	2.13E-06	7.56E-07	2.88E-06	3.41E-07	1.18E-07	4.60E-07	2.01E-07	8.48E-08	2.86E-07	1.67E-07	5.13E-08	2.18E-07
1094	564236.75	4191440.9	4.53E-06	1.61E-06	6.14E-06	7.27E-07	2.52E-07	9.79E-07	4.29E-07	1.81E-07	6.10E-07	3.55E-07	1.09E-07	4.65E-07
1095	564228.83	4191436.06	4.17E-06	1.48E-06	5.66E-06	6.69E-07	2.32E-07	9.02E-07	3.95E-07	1.66E-07	5.61E-07	3.27E-07	1.01E-07	4.28E-07
1096	564220.92	4191431.21	3.78E-06	1.34E-06	5.12E-06	6.06E-07	2.10E-07	8.17E-07	3.58E-07	1.51E-07	5.08E-07	2.96E-07	9.12E-08	3.88E-07
1097	564210.91	4191417.32	3.27E-06	1.16E-06	4.43E-06	5.24E-07	1.82E-07	7.06E-07	3.09E-07	1.30E-07	4.40E-07	2.56E-07	7.89E-08	3.35E-07
1098	564208.82	4191408.28	3.11E-06	1.11E-06	4.22E-06	5.00E-07	1.73E-07	6.73E-07	2.95E-07	1.24E-07	4.19E-07	2.44E-07	7.52E-08	3.19E-07
1099	564206.73	4191399.24	2.93E-06	1.04E-06	3.97E-06	4.70E-07	1.63E-07	6.33E-07	2.77E-07	1.17E-07	3.94E-07	2.30E-07	7.07E-08	3.00E-07
1100	564204.63	4191390.2	2.71E-06	9.65E-07	3.68E-06	4.36E-07	1.51E-07	5.87E-07	2.57E-07	1.08E-07	3.65E-07	2.13E-07	6.55E-08	2.79E-07
1101	564202.54	4191381.16	2.48E-06	8.82E-07	3.36E-06	3.98E-07	1.38E-07	5.37E-07	2.35E-07	9.90E-08	3.34E-07	1.95E-07	5.99E-08	2.55E-07
1102	564200.45	4191372.12	2.24E-06	7.96E-07	3.04E-06	3.59E-07	1.25E-07	4.84E-07	2.12E-07	8.93E-08	3.01E-07	1.76E-07	5.41E-08	2.30E-07
1103	564198.36	4191363.08	2.00E-06	7.11E-07	2.71E-06	3.21E-07	1.11E-07	4.32E-07	1.89E-07	7.97E-08	2.69E-07	1.57E-07	4.83E-08	2.05E-07
1104	564196.27	4191354.04	1.78E-06	6.32E-07	2.41E-06	2.86E-07	9.91E-08	3.85E-07	1.68E-07	7.09E-08	2.39E-07	1.40E-07	4.30E-08	1.83E-07
1105	564292.14	4191474.82	4.67E-06	1.66E-06	6.33E-06	7.50E-07	2.60E-07	1.01E-06	4.42E-07	1.86E-07	6.29E-07	3.67E-07	1.13E-07	4.79E-07
1106	564302	4191476.33	4.64E-06	1.65E-06	6.28E-06	7.44E-07	2.58E-07	1.00E-06	4.39E-07	1.85E-07	6.24E-07	3.64E-07	1.12E-07	4.76E-07
1107	564311.85	4191477.85	4.56E-06	1.62E-06	6.17E-06	7.31E-07	2.54E-07	9.84E-07	4.31E-07	1.82E-07	6.13E-07	3.57E-07	1.10E-07	4.67E-07
1108	564321.7	4191479.36	4.44E-06	1.58E-06	6.02E-06	7.12E-07	2.47E-07	9.59E-07	4.20E-07	1.77E-07	5.97E-07	3.48E-07	1.07E-07	4.55E-07
1109	564267.24	4191470.39	4.54E-06	1.61E-06	6.16E-06	7.29E-07	2.53E-07	9.81E-07	4.30E-07	1.81E-07	6.11E-07	3.56E-07	1.10E-07	4.66E-07
1110	564259.45	4191465.62	4.57E-06	1.62E-06	6.20E-06	7.33E-07	2.54E-07	9.88E-07	4.33E-07	1.82E-07	6.15E-07	3.59E-07	1.10E-07	4.69E-07
1111	564251.66	4191460.84	4.52E-06	1.61E-06	6.13E-06	7.26E-07	2.52E-07	9.78E-07	4.28E-07	1.80E-07	6.09E-07	3.55E-07	1.09E-07	4.64E-07
1112	564212.68	4191436.98	3.31E-06	1.18E-06	4.49E-06	5.31E-07	1.84E-07	7.16E-07	3.14E-07	1.32E-07	4.46E-07	2.60E-07	7.99E-08	3.40E-07
1113	564202.83	4191423.31	2.90E-06	1.03E-06	3.93E-06	4.65E-07	1.61E-07	6.26E-07	2.74E-07	1.15E-07	3.90E-07	2.27E-07	6.99E-08	2.97E-07
1114	564198.71	4191405.5	2.62E-06	9.33E-07	3.56E-06	4.21E-07	1.46E-07	5.67E-07	2.48E-07	1.05E-07	3.53E-07	2.06E-07	6.34E-08	2.69E-07
1115	564196.65	4191396.6	2.46E-06	8.73E-07	3.33E-06	3.94E-07	1.37E-07	5.31E-07	2.33E-07	9.79E-08	3.30E-07	1.93E-07	5.93E-08	2.52E-07
1116	564192.53	4191378.79	2.07E-06	7.37E-07	2.81E-06	3.32E-07	1.15E-07	4.48E-07	1.96E-07	8.26E-08	2.79E-07	1.63E-07	5.00E-08	2.13E-07
1117	564290.63	4191484.7	4.09E-06	1.45E-06	5.54E-06	6.56E-07	2.27E-07	8.83E-07	3.87E-07	1.63E-07	5.50E-07	3.21E-07	9.86E-08	4.19E-07
1118	564300.48	4191486.22	4.05E-06	1.44E-06	5.48E-06	6.49E-07	2.25E-07	8.74E-07	3.83E-07	1.61E-07	5.44E-07	3.17E-07	9.76E-08	4.15E-07
1119	564310.33	4191487.73	3.97E-06	1.41E-06	5.38E-06	6.37E-07	2.21E-07	8.58E-07	3.76E-07	1.58E-07	5.34E-07	3.12E-07	9.59E-08	4.08E-07
1120	564320.19	4191489.24	3.87E-06	1.38E-06	5.25E-06	6.21E-07	2.16E-07	8.37E-07	3.67E-07	1.54E-07	5.21E-07	3.04E-07	9.35E-08	3.97E-07
1121	564263.93	4191479.17	4.03E-06	1.43E-06	5.47E-06	6.47E-07	2.25E-07	8.72E-07	3.82E-07	1.61E-07	5.43E-07	3.17E-07	9.74E-08	4.14E-07
1122	564255.53	4191474.03	4.07E-06	1.45E-06	5.52E-06	6.53E-07	2.27E-07	8.79E-07	3.85E-07	1.62E-07	5.48E-07	3.19E-07	9.82E-08	4.18E-07
1123	564247.14	4191468.89	4.03E-06	1.43E-06	5.47E-06	6.47E-07	2.25E-07	8.72E-07	3.82E-07	1.61E-07	5.43E-07	3.16E-07	9.74E-08	4.14E-07
1124	564238.75	4191463.75	3.92E-06	1.39E-06	5.32E-06	6.29E-07	2.18E-07	8.48E-07	3.71E-07	1.56E-07	5.28E-07	3.08E-07	9.47E-08	4.02E-07
1125	564230.35	4191458.61	3.74E-06	1.33E-06	5.07E-06	6.01E-07	2.08E-07	8.09E-07	3.54E-07	1.49E-07	5.04E-07	2.94E-07	9.04E-08	3.84E-07
1126	564194.56	4191428.47	2.58E-06	9.17E-07	3.50E-06	4.14E-07	1.44E-07	5.57E-07	2.44E-07	1.03E-07	3.47E-07	2.02E-07	6.23E-08	2.65E-07
1127	564192.34	4191418.88	2.47E-06	8.78E-07	3.35E-06	3.96E-07	1.37E-07	5.34E-07	2.34E-07	9.85E-08	3.32E-07	1.94E-07	5.96E-08	2.53E-07
1128	564190.12	4191409.29	2.33E-06	8.30E-07	3.16E-06	3.75E-07	1.30E-07	5.04E-07	2.21E-07	9.31E-08	3.14E-07	1.83E-07	5.64E-08	2.40E-07
1129	564176.81	4191351.76	1.33E-06	4.72E-07	1.80E-06	2.13E-07	7.39E-08	2.87E-07	1.26E-07	5.29E-08	1.79E-07	1.04E-07	3.20E-08	1.36E-07
1130	564174.59	4191342.17	1.20E-06	4.25E-07	1.62E-06	1.92E-07	6.66E-08	2.59E-07	1.13E-07	4.77E-08	1.61E-07	9.39E-08	2.89E-08	1.23E-07

1131	564289.11	4191494.59	3.60E-06	1.28E-06	4.89E-06	5.78E-07	2.01E-07	7.79E-07	3.41E-07	1.44E-07	4.85E-07	2.83E-07	8.70E-08	3.70E-07
1132	564298.96	4191496.1	3.56E-06	1.27E-06	4.83E-06	5.72E-07	1.98E-07	7.70E-07	3.37E-07	1.42E-07	4.79E-07	2.80E-07	8.60E-08	3.66E-07
1133	564308.81	4191497.61	3.50E-06	1.24E-06	4.74E-06	5.61E-07	1.95E-07	7.56E-07	3.31E-07	1.39E-07	4.71E-07	2.74E-07	8.44E-08	3.59E-07
1134	564318.67	4191499.13	3.41E-06	1.21E-06	4.63E-06	5.48E-07	1.90E-07	7.38E-07	3.23E-07	1.36E-07	4.59E-07	2.68E-07	8.24E-08	3.50E-07
1135	564262.86	4191489.33	3.59E-06	1.28E-06	4.87E-06	5.76E-07	2.00E-07	7.76E-07	3.40E-07	1.43E-07	4.83E-07	2.82E-07	8.66E-08	3.68E-07
1136	564254.61	4191484.28	3.64E-06	1.29E-06	4.94E-06	5.84E-07	2.03E-07	7.87E-07	3.45E-07	1.45E-07	4.90E-07	2.86E-07	8.79E-08	3.74E-07
1137	564246.37	4191479.24	3.64E-06	1.29E-06	4.93E-06	5.84E-07	2.03E-07	7.87E-07	3.45E-07	1.45E-07	4.90E-07	2.86E-07	8.79E-08	3.73E-07
1138	564238.13	4191474.19	3.58E-06	1.27E-06	4.85E-06	5.74E-07	1.99E-07	7.74E-07	3.39E-07	1.43E-07	4.82E-07	2.81E-07	8.64E-08	3.67E-07
1139	564229.88	4191469.14	3.47E-06	1.23E-06	4.70E-06	5.56E-07	1.93E-07	7.49E-07	3.28E-07	1.38E-07	4.66E-07	2.72E-07	8.37E-08	3.56E-07
1140	564221.64	4191464.09	3.30E-06	1.17E-06	4.47E-06	5.30E-07	1.84E-07	7.13E-07	3.13E-07	1.32E-07	4.44E-07	2.59E-07	7.97E-08	3.39E-07
1141	564213.4	4191459.05	3.10E-06	1.10E-06	4.20E-06	4.97E-07	1.72E-07	6.69E-07	2.93E-07	1.23E-07	4.17E-07	2.43E-07	7.48E-08	3.18E-07
1142	564205.15	4191454	2.87E-06	1.02E-06	3.89E-06	4.60E-07	1.60E-07	6.20E-07	2.71E-07	1.14E-07	3.86E-07	2.25E-07	6.92E-08	2.94E-07
1143	564173.41	4191377.98	1.55E-06	5.52E-07	2.11E-06	2.49E-07	8.65E-08	3.36E-07	1.47E-07	6.20E-08	2.09E-07	1.22E-07	3.75E-08	1.59E-07
1144	564171.23	4191368.57	1.41E-06	5.01E-07	1.91E-06	2.26E-07	7.85E-08	3.05E-07	1.33E-07	5.62E-08	1.90E-07	1.11E-07	3.40E-08	1.45E-07
1145	564169.05	4191359.15	1.28E-06	4.53E-07	1.73E-06	2.05E-07	7.10E-08	2.76E-07	1.21E-07	5.08E-08	1.72E-07	1.00E-07	3.08E-08	1.31E-07
1146	564166.87	4191349.73	1.15E-06	4.10E-07	1.56E-06	1.85E-07	6.42E-08	2.49E-07	1.09E-07	4.60E-08	1.55E-07	9.05E-08	2.78E-08	1.18E-07
1147	564164.69	4191340.32	1.05E-06	3.73E-07	1.42E-06	1.68E-07	5.84E-08	2.27E-07	9.92E-08	4.18E-08	1.41E-07	8.23E-08	2.53E-08	1.08E-07
1148	564287.59	4191504.47	3.20E-06	1.14E-06	4.34E-06	5.14E-07	1.78E-07	6.92E-07	3.03E-07	1.28E-07	4.31E-07	2.51E-07	7.73E-08	3.29E-07
1149	564297.44	4191505.98	3.17E-06	1.12E-06	4.29E-06	5.08E-07	1.76E-07	6.84E-07	3.00E-07	1.26E-07	4.26E-07	2.48E-07	7.64E-08	3.25E-07
1150	564307.3	4191507.5	3.11E-06	1.10E-06	4.21E-06	4.99E-07	1.73E-07	6.72E-07	2.94E-07	1.24E-07	4.18E-07	2.44E-07	7.50E-08	3.19E-07
1151	564317.15	4191509.01	3.04E-06	1.08E-06	4.12E-06	4.87E-07	1.69E-07	6.56E-07	2.88E-07	1.21E-07	4.09E-07	2.38E-07	7.33E-08	3.12E-07
1152	564261.72	4191499.45	3.21E-06	1.14E-06	4.35E-06	5.15E-07	1.79E-07	6.94E-07	3.04E-07	1.28E-07	4.32E-07	2.52E-07	7.75E-08	3.29E-07
1153	564253.6	4191494.48	3.27E-06	1.16E-06	4.43E-06	5.25E-07	1.82E-07	7.07E-07	3.10E-07	1.30E-07	4.40E-07	2.57E-07	7.89E-08	3.35E-07
1154	564245.49	4191489.51	3.29E-06	1.17E-06	4.46E-06	5.28E-07	1.83E-07	7.11E-07	3.11E-07	1.31E-07	4.43E-07	2.58E-07	7.94E-08	3.37E-07
1155	564237.37	4191484.54	3.26E-06	1.16E-06	4.42E-06	5.24E-07	1.82E-07	7.06E-07	3.09E-07	1.30E-07	4.39E-07	2.56E-07	7.88E-08	3.35E-07
1156	564229.25	4191479.57	3.20E-06	1.14E-06	4.33E-06	5.13E-07	1.78E-07	6.91E-07	3.02E-07	1.27E-07	4.30E-07	2.51E-07	7.71E-08	3.28E-07
1157	564221.14	4191474.6	3.08E-06	1.10E-06	4.18E-06	4.95E-07	1.72E-07	6.66E-07	2.92E-07	1.23E-07	4.15E-07	2.42E-07	7.44E-08	3.16E-07
1158	564213.02	4191469.63	2.93E-06	1.04E-06	3.98E-06	4.71E-07	1.63E-07	6.34E-07	2.78E-07	1.17E-07	3.95E-07	2.30E-07	7.08E-08	3.01E-07
1159	564204.9	4191464.66	2.75E-06	9.79E-07	3.73E-06	4.42E-07	1.53E-07	5.95E-07	2.61E-07	1.10E-07	3.71E-07	2.16E-07	6.65E-08	2.83E-07
1160	564196.79	4191459.69	2.56E-06	9.10E-07	3.47E-06	4.11E-07	1.43E-07	5.53E-07	2.42E-07	1.02E-07	3.44E-07	2.01E-07	6.18E-08	2.63E-07
1161	564188.67	4191454.72	2.36E-06	8.38E-07	3.19E-06	3.78E-07	1.31E-07	5.09E-07	2.23E-07	9.40E-08	3.17E-07	1.85E-07	5.69E-08	2.42E-07
1162	564171.97	4191412.66	1.84E-06	6.52E-07	2.49E-06	2.94E-07	1.02E-07	3.97E-07	1.74E-07	7.32E-08	2.47E-07	1.44E-07	4.43E-08	1.88E-07
1163	564169.82	4191403.39	1.72E-06	6.12E-07	2.33E-06	2.76E-07	9.58E-08	3.72E-07	1.63E-07	6.86E-08	2.32E-07	1.35E-07	4.15E-08	1.77E-07
1164	564167.68	4191394.12	1.60E-06	5.67E-07	2.16E-06	2.56E-07	8.89E-08	3.45E-07	1.51E-07	6.37E-08	2.15E-07	1.25E-07	3.85E-08	1.64E-07
1165	564165.53	4191384.84	1.47E-06	5.22E-07	1.99E-06	2.36E-07	8.18E-08	3.17E-07	1.39E-07	5.86E-08	1.98E-07	1.15E-07	3.55E-08	1.51E-07
1166	564163.38	4191375.57	1.34E-06	4.77E-07	1.82E-06	2.15E-07	7.47E-08	2.90E-07	1.27E-07	5.35E-08	1.81E-07	1.05E-07	3.24E-08	1.38E-07
1167	564161.24	4191366.3	1.22E-06	4.35E-07	1.66E-06	1.96E-07	6.81E-08	2.64E-07	1.16E-07	4.88E-08	1.65E-07	9.59E-08	2.95E-08	1.25E-07
1168	564159.09	4191357.03	1.11E-06	3.95E-07	1.51E-06	1.78E-07	6.19E-08	2.40E-07	1.05E-07	4.43E-08	1.50E-07	8.72E-08	2.68E-08	1.14E-07
1169	564156.95	4191347.76	1.01E-06	3.60E-07	1.37E-06	1.63E-07	5.64E-08	2.19E-07	9.59E-08	4.04E-08	1.36E-07	7.95E-08	2.45E-08	1.04E-07
1170	564154.8	4191338.48	9.26E-07	3.29E-07	1.26E-06	1.49E-07	5.16E-08	2.00E-07	8.77E-08	3.69E-08	1.25E-07	7.27E-08	2.24E-08	9.50E-08
1171	564286.07	4191514.36	2.87E-06	1.02E-06	3.88E-06	4.60E-07	1.60E-07	6.19E-07	2.71E-07	1.14E-07	3.86E-07	2.25E-07	6.92E-08	2.94E-07
1172	564295.92	4191515.87	2.83E-06	1.01E-06	3.84E-06	4.54E-07	1.58E-07	6.12E-07	2.68E-07	1.13E-07	3.81E-07	2.22E-07	6.83E-08	2.90E-07

1173	564305.78	4191517.38	2.78E-06	9.88E-07	3.77E-06	4.46E-07	1.55E-07	6.01E-07	2.63E-07	1.11E-07	3.74E-07	2.18E-07	6.71E-08	2.85E-07
1174	564315.63	4191518.9	2.72E-06	9.67E-07	3.69E-06	4.36E-07	1.51E-07	5.88E-07	2.58E-07	1.08E-07	3.66E-07	2.13E-07	6.57E-08	2.79E-07
1175	564260.53	4191509.53	2.89E-06	1.03E-06	3.91E-06	4.63E-07	1.61E-07	6.24E-07	2.73E-07	1.15E-07	3.88E-07	2.26E-07	6.97E-08	2.96E-07
1176	564252.52	4191504.63	2.95E-06	1.05E-06	4.00E-06	4.73E-07	1.64E-07	6.37E-07	2.79E-07	1.18E-07	3.97E-07	2.31E-07	7.12E-08	3.02E-07
1177	564244.51	4191499.72	2.98E-06	1.06E-06	4.04E-06	4.78E-07	1.66E-07	6.44E-07	2.82E-07	1.19E-07	4.01E-07	2.34E-07	7.19E-08	3.06E-07
1178	564236.5	4191494.82	2.98E-06	1.06E-06	4.04E-06	4.78E-07	1.66E-07	6.43E-07	2.82E-07	1.19E-07	4.01E-07	2.34E-07	7.19E-08	3.05E-07
1179	564228.5	4191489.92	2.94E-06	1.04E-06	3.99E-06	4.72E-07	1.64E-07	6.35E-07	2.78E-07	1.17E-07	3.96E-07	2.31E-07	7.10E-08	3.02E-07
1180	564220.49	4191485.02	2.87E-06	1.02E-06	3.89E-06	4.60E-07	1.60E-07	6.20E-07	2.71E-07	1.14E-07	3.86E-07	2.25E-07	6.92E-08	2.94E-07
1181	564212.48	4191480.11	2.76E-06	9.81E-07	3.74E-06	4.43E-07	1.54E-07	5.97E-07	2.61E-07	1.10E-07	3.72E-07	2.17E-07	6.67E-08	2.83E-07
1182	564204.47	4191475.21	2.63E-06	9.33E-07	3.56E-06	4.21E-07	1.46E-07	5.68E-07	2.49E-07	1.05E-07	3.53E-07	2.06E-07	6.34E-08	2.69E-07
1183	564196.46	4191470.31	2.47E-06	8.78E-07	3.35E-06	3.96E-07	1.38E-07	5.34E-07	2.34E-07	9.85E-08	3.32E-07	1.94E-07	5.96E-08	2.53E-07
1184	564188.46	4191465.4	2.30E-06	8.19E-07	3.12E-06	3.70E-07	1.28E-07	4.98E-07	2.18E-07	9.18E-08	3.10E-07	1.81E-07	5.56E-08	2.36E-07
1185	564168.2	4191437.3	1.85E-06	6.56E-07	2.50E-06	2.96E-07	1.03E-07	3.99E-07	1.75E-07	7.36E-08	2.48E-07	1.45E-07	4.45E-08	1.89E-07
1186	564166.09	4191428.15	1.77E-06	6.30E-07	2.40E-06	2.84E-07	9.87E-08	3.83E-07	1.68E-07	7.07E-08	2.38E-07	1.39E-07	4.28E-08	1.82E-07
1187	564163.97	4191419	1.69E-06	6.00E-07	2.29E-06	2.71E-07	9.40E-08	3.65E-07	1.60E-07	6.73E-08	2.27E-07	1.32E-07	4.08E-08	1.73E-07
1188	564161.85	4191409.86	1.59E-06	5.66E-07	2.16E-06	2.56E-07	8.87E-08	3.44E-07	1.51E-07	6.35E-08	2.14E-07	1.25E-07	3.85E-08	1.64E-07
1189	564159.74	4191400.71	1.49E-06	5.30E-07	2.02E-06	2.39E-07	8.30E-08	3.22E-07	1.41E-07	5.95E-08	2.01E-07	1.17E-07	3.60E-08	1.53E-07
1190	564157.62	4191391.56	1.38E-06	4.92E-07	1.88E-06	2.22E-07	7.71E-08	2.99E-07	1.31E-07	5.52E-08	1.86E-07	1.09E-07	3.34E-08	1.42E-07
1191	564155.5	4191382.41	1.28E-06	4.53E-07	1.73E-06	2.05E-07	7.10E-08	2.76E-07	1.21E-07	5.09E-08	1.72E-07	1.00E-07	3.08E-08	1.31E-07
1192	564153.38	4191373.26	1.17E-06	4.16E-07	1.59E-06	1.88E-07	6.52E-08	2.53E-07	1.11E-07	4.67E-08	1.57E-07	9.18E-08	2.83E-08	1.20E-07
1193	564151.27	4191364.12	1.07E-06	3.81E-07	1.45E-06	1.72E-07	5.96E-08	2.31E-07	1.01E-07	4.27E-08	1.44E-07	8.40E-08	2.58E-08	1.10E-07
1194	564149.15	4191354.97	9.79E-07	3.48E-07	1.33E-06	1.57E-07	5.45E-08	2.12E-07	9.27E-08	3.90E-08	1.32E-07	7.68E-08	2.36E-08	1.00E-07
1195	564147.03	4191345.82	8.97E-07	3.19E-07	1.22E-06	1.44E-07	4.99E-08	1.94E-07	8.49E-08	3.58E-08	1.21E-07	7.04E-08	2.17E-08	9.20E-08
1196	564144.92	4191336.67	8.24E-07	2.93E-07	1.12E-06	1.32E-07	4.59E-08	1.78E-07	7.80E-08	3.29E-08	1.11E-07	6.47E-08	1.99E-08	8.46E-08
1197	564284.55	4191524.24	2.58E-06	9.17E-07	3.50E-06	4.14E-07	1.44E-07	5.57E-07	2.44E-07	1.03E-07	3.47E-07	2.02E-07	6.23E-08	2.65E-07
1198	564294.41	4191525.75	2.55E-06	9.05E-07	3.45E-06	4.09E-07	1.42E-07	5.50E-07	2.41E-07	1.02E-07	3.43E-07	2.00E-07	6.15E-08	2.61E-07
1199	564304.26	4191527.27	2.50E-06	8.90E-07	3.39E-06	4.02E-07	1.39E-07	5.41E-07	2.37E-07	9.98E-08	3.37E-07	1.96E-07	6.04E-08	2.57E-07
1200	564314.11	4191528.78	2.45E-06	8.71E-07	3.32E-06	3.93E-07	1.36E-07	5.30E-07	2.32E-07	9.77E-08	3.30E-07	1.92E-07	5.92E-08	2.51E-07
1201	564257.6	4191518.55	2.62E-06	9.32E-07	3.55E-06	4.21E-07	1.46E-07	5.66E-07	2.48E-07	1.04E-07	3.53E-07	2.06E-07	6.33E-08	2.69E-07
1202	564249.12	4191513.36	2.68E-06	9.53E-07	3.63E-06	4.30E-07	1.49E-07	5.79E-07	2.54E-07	1.07E-07	3.61E-07	2.10E-07	6.47E-08	2.75E-07
1203	564240.64	4191508.17	2.72E-06	9.65E-07	3.68E-06	4.36E-07	1.51E-07	5.87E-07	2.57E-07	1.08E-07	3.65E-07	2.13E-07	6.55E-08	2.79E-07
1204	564232.16	4191502.97	2.72E-06	9.66E-07	3.68E-06	4.36E-07	1.51E-07	5.87E-07	2.57E-07	1.08E-07	3.66E-07	2.13E-07	6.56E-08	2.79E-07
1205	564223.68	4191497.78	2.69E-06	9.54E-07	3.64E-06	4.31E-07	1.50E-07	5.80E-07	2.54E-07	1.07E-07	3.61E-07	2.11E-07	6.48E-08	2.76E-07
1206	564215.2	4191492.59	2.62E-06	9.32E-07	3.55E-06	4.21E-07	1.46E-07	5.67E-07	2.48E-07	1.05E-07	3.53E-07	2.06E-07	6.33E-08	2.69E-07
1207	564206.72	4191487.4	2.53E-06	8.98E-07	3.42E-06	4.05E-07	1.41E-07	5.46E-07	2.39E-07	1.01E-07	3.40E-07	1.98E-07	6.10E-08	2.59E-07
1208	564198.24	4191482.21	2.40E-06	8.54E-07	3.26E-06	3.86E-07	1.34E-07	5.19E-07	2.28E-07	9.58E-08	3.23E-07	1.89E-07	5.80E-08	2.47E-07
1209	564189.76	4191477.02	2.26E-06	8.03E-07	3.06E-06	3.63E-07	1.26E-07	4.89E-07	2.14E-07	9.01E-08	3.04E-07	1.77E-07	5.46E-08	2.32E-07
1210	564181.28	4191471.83	2.11E-06	7.49E-07	2.85E-06	3.38E-07	1.17E-07	4.55E-07	1.99E-07	8.40E-08	2.83E-07	1.65E-07	5.08E-08	2.16E-07
1211	564162.08	4191451.76	1.74E-06	6.19E-07	2.36E-06	2.79E-07	9.69E-08	3.76E-07	1.65E-07	6.94E-08	2.34E-07	1.37E-07	4.20E-08	1.79E-07
1212	564159.84	4191442.07	1.68E-06	5.98E-07	2.28E-06	2.70E-07	9.37E-08	3.64E-07	1.59E-07	6.71E-08	2.27E-07	1.32E-07	4.06E-08	1.73E-07
1213	564157.6	4191432.38	1.62E-06	5.74E-07	2.19E-06	2.59E-07	8.99E-08	3.49E-07	1.53E-07	6.44E-08	2.17E-07	1.27E-07	3.90E-08	1.66E-07
1214	564155.36	4191422.7	1.54E-06	5.46E-07	2.08E-06	2.47E-07	8.56E-08	3.32E-07	1.46E-07	6.13E-08	2.07E-07	1.21E-07	3.71E-08	1.58E-07

1215	564153.12	4191413.01	1.45E-06	5.15E-07	1.96E-06	2.32E-07	8.07E-08	3.13E-07	1.37E-07	5.78E-08	1.95E-07	1.14E-07	3.50E-08	1.49E-07
1216	564150.88	4191403.33	1.35E-06	4.81E-07	1.84E-06	2.17E-07	7.54E-08	2.93E-07	1.28E-07	5.40E-08	1.82E-07	1.06E-07	3.27E-08	1.39E-07
1217	564148.63	4191393.64	1.26E-06	4.46E-07	1.70E-06	2.02E-07	6.99E-08	2.71E-07	1.19E-07	5.01E-08	1.69E-07	9.86E-08	3.03E-08	1.29E-07
1218	564146.39	4191383.95	1.16E-06	4.11E-07	1.57E-06	1.86E-07	6.44E-08	2.50E-07	1.10E-07	4.61E-08	1.56E-07	9.08E-08	2.79E-08	1.19E-07
1219	564144.15	4191374.27	1.06E-06	3.77E-07	1.44E-06	1.70E-07	5.90E-08	2.29E-07	1.00E-07	4.23E-08	1.43E-07	8.32E-08	2.56E-08	1.09E-07
1220	564141.91	4191364.58	9.68E-07	3.44E-07	1.31E-06	1.55E-07	5.39E-08	2.09E-07	9.17E-08	3.86E-08	1.30E-07	7.60E-08	2.34E-08	9.93E-08
1221	564139.67	4191354.89	8.84E-07	3.14E-07	1.20E-06	1.42E-07	4.92E-08	1.91E-07	8.36E-08	3.52E-08	1.19E-07	6.93E-08	2.13E-08	9.06E-08
1222	564137.42	4191345.21	8.08E-07	2.87E-07	1.10E-06	1.30E-07	4.50E-08	1.75E-07	7.65E-08	3.22E-08	1.09E-07	6.34E-08	1.95E-08	8.29E-08
1223	564135.18	4191335.52	7.42E-07	2.64E-07	1.01E-06	1.19E-07	4.13E-08	1.60E-07	7.02E-08	2.96E-08	9.98E-08	5.82E-08	1.79E-08	7.61E-08
1224	564283.03	4191534.12	2.33E-06	8.29E-07	3.16E-06	3.74E-07	1.30E-07	5.04E-07	2.21E-07	9.30E-08	3.14E-07	1.83E-07	5.63E-08	2.39E-07
1225	564292.89	4191535.64	2.30E-06	8.19E-07	3.12E-06	3.70E-07	1.28E-07	4.98E-07	2.18E-07	9.19E-08	3.10E-07	1.81E-07	5.56E-08	2.36E-07
1226	564302.74	4191537.15	2.27E-06	8.05E-07	3.07E-06	3.64E-07	1.26E-07	4.90E-07	2.15E-07	9.03E-08	3.05E-07	1.78E-07	5.47E-08	2.32E-07
1227	564312.59	4191538.66	2.22E-06	7.89E-07	3.01E-06	3.56E-07	1.24E-07	4.80E-07	2.10E-07	8.85E-08	2.99E-07	1.74E-07	5.36E-08	2.28E-07
1228	564256.46	4191528.66	2.38E-06	8.45E-07	3.22E-06	3.81E-07	1.32E-07	5.14E-07	2.25E-07	9.48E-08	3.20E-07	1.87E-07	5.74E-08	2.44E-07
1229	564248.1	4191523.55	2.44E-06	8.66E-07	3.30E-06	3.91E-07	1.36E-07	5.27E-07	2.31E-07	9.71E-08	3.28E-07	1.91E-07	5.88E-08	2.50E-07
1230	564239.75	4191518.44	2.48E-06	8.80E-07	3.36E-06	3.97E-07	1.38E-07	5.35E-07	2.34E-07	9.87E-08	3.33E-07	1.94E-07	5.98E-08	2.54E-07
1231	564231.4	4191513.32	2.49E-06	8.86E-07	3.38E-06	4.00E-07	1.39E-07	5.39E-07	2.36E-07	9.94E-08	3.35E-07	1.96E-07	6.02E-08	2.56E-07
1232	564223.04	4191508.21	2.48E-06	8.81E-07	3.36E-06	3.98E-07	1.38E-07	5.36E-07	2.35E-07	9.89E-08	3.34E-07	1.95E-07	5.99E-08	2.54E-07
1233	564214.69	4191503.09	2.44E-06	8.68E-07	3.31E-06	3.92E-07	1.36E-07	5.28E-07	2.31E-07	9.73E-08	3.28E-07	1.92E-07	5.89E-08	2.50E-07
1234	564206.33	4191497.98	2.38E-06	8.45E-07	3.22E-06	3.81E-07	1.32E-07	5.14E-07	2.25E-07	9.47E-08	3.20E-07	1.86E-07	5.74E-08	2.44E-07
1235	564197.98	4191492.86	2.29E-06	8.12E-07	3.10E-06	3.67E-07	1.27E-07	4.94E-07	2.16E-07	9.11E-08	3.08E-07	1.79E-07	5.52E-08	2.35E-07
1236	564189.63	4191487.75	2.17E-06	7.73E-07	2.95E-06	3.49E-07	1.21E-07	4.70E-07	2.06E-07	8.67E-08	2.93E-07	1.71E-07	5.25E-08	2.23E-07
1237	564181.27	4191482.63	2.05E-06	7.28E-07	2.78E-06	3.29E-07	1.14E-07	4.43E-07	1.94E-07	8.17E-08	2.76E-07	1.61E-07	4.94E-08	2.10E-07
1238	564164.57	4191472.4	1.77E-06	6.30E-07	2.40E-06	2.85E-07	9.88E-08	3.83E-07	1.68E-07	7.07E-08	2.39E-07	1.39E-07	4.28E-08	1.82E-07
1239	564154	4191457.75	1.60E-06	5.68E-07	2.17E-06	2.56E-07	8.90E-08	3.45E-07	1.51E-07	6.37E-08	2.15E-07	1.25E-07	3.86E-08	1.64E-07
1240	564151.8	4191448.2	1.55E-06	5.51E-07	2.10E-06	2.49E-07	8.63E-08	3.35E-07	1.47E-07	6.18E-08	2.09E-07	1.22E-07	3.74E-08	1.59E-07
1241	564149.59	4191438.66	1.49E-06	5.31E-07	2.02E-06	2.40E-07	8.32E-08	3.23E-07	1.41E-07	5.96E-08	2.01E-07	1.17E-07	3.61E-08	1.53E-07
1242	564147.38	4191429.12	1.43E-06	5.07E-07	1.93E-06	2.29E-07	7.95E-08	3.08E-07	1.35E-07	5.69E-08	1.92E-07	1.12E-07	3.45E-08	1.46E-07
1243	564145.17	4191419.58	1.35E-06	4.81E-07	1.83E-06	2.17E-07	7.53E-08	2.92E-07	1.28E-07	5.39E-08	1.82E-07	1.06E-07	3.26E-08	1.39E-07
1244	564142.96	4191410.03	1.27E-06	4.52E-07	1.72E-06	2.04E-07	7.08E-08	2.75E-07	1.20E-07	5.07E-08	1.71E-07	9.97E-08	3.07E-08	1.30E-07
1245	564140.75	4191400.49	1.19E-06	4.22E-07	1.61E-06	1.91E-07	6.61E-08	2.57E-07	1.12E-07	4.74E-08	1.60E-07	9.32E-08	2.87E-08	1.22E-07
1246	564138.54	4191390.95	1.10E-06	3.92E-07	1.50E-06	1.77E-07	6.14E-08	2.38E-07	1.04E-07	4.40E-08	1.48E-07	8.65E-08	2.66E-08	1.13E-07
1247	564136.34	4191381.4	1.02E-06	3.62E-07	1.38E-06	1.63E-07	5.66E-08	2.20E-07	9.63E-08	4.06E-08	1.37E-07	7.98E-08	2.46E-08	1.04E-07
1248	564134.13	4191371.86	9.34E-07	3.32E-07	1.27E-06	1.50E-07	5.20E-08	2.02E-07	8.85E-08	3.73E-08	1.26E-07	7.33E-08	2.26E-08	9.59E-08
1249	564131.92	4191362.32	8.57E-07	3.04E-07	1.16E-06	1.37E-07	4.77E-08	1.85E-07	8.11E-08	3.41E-08	1.15E-07	6.72E-08	2.07E-08	8.79E-08
1250	564129.71	4191352.78	7.86E-07	2.79E-07	1.06E-06	1.26E-07	4.37E-08	1.70E-07	7.44E-08	3.13E-08	1.06E-07	6.16E-08	1.90E-08	8.06E-08
1251	564127.5	4191343.23	7.22E-07	2.57E-07	9.79E-07	1.16E-07	4.02E-08	1.56E-07	6.84E-08	2.88E-08	9.72E-08	5.67E-08	1.74E-08	7.41E-08
1252	564125.29	4191333.69	6.68E-07	2.37E-07	9.05E-07	1.07E-07	3.72E-08	1.44E-07	6.32E-08	2.66E-08	8.99E-08	5.24E-08	1.61E-08	6.85E-08
1253	564281.52	4191544.01	2.12E-06	7.53E-07	2.87E-06	3.40E-07	1.18E-07	4.58E-07	2.01E-07	8.45E-08	2.85E-07	1.66E-07	5.12E-08	2.17E-07
1254	564291.37	4191545.52	2.09E-06	7.44E-07	2.84E-06	3.36E-07	1.17E-07	4.53E-07	1.98E-07	8.35E-08	2.82E-07	1.64E-07	5.06E-08	2.15E-07
1255	564301.22	4191547.03	2.06E-06	7.32E-07	2.79E-06	3.31E-07	1.15E-07	4.45E-07	1.95E-07	8.22E-08	2.77E-07	1.62E-07	4.98E-08	2.11E-07
1256	564311.08	4191548.55	2.02E-06	7.18E-07	2.74E-06	3.24E-07	1.13E-07	4.37E-07	1.91E-07	8.06E-08	2.72E-07	1.59E-07	4.88E-08	2.07E-07

1257	564255.27	4191538.75	2.16E-06	7.69E-07	2.93E-06	3.47E-07	1.20E-07	4.68E-07	2.05E-07	8.63E-08	2.91E-07	1.70E-07	5.22E-08	2.22E-07
1258	564247.02	4191533.7	2.22E-06	7.90E-07	3.01E-06	3.57E-07	1.24E-07	4.80E-07	2.10E-07	8.86E-08	2.99E-07	1.74E-07	5.36E-08	2.28E-07
1259	564238.78	4191528.66	2.26E-06	8.05E-07	3.07E-06	3.63E-07	1.26E-07	4.89E-07	2.14E-07	9.03E-08	3.05E-07	1.78E-07	5.46E-08	2.32E-07
1260	564230.54	4191523.61	2.29E-06	8.13E-07	3.10E-06	3.67E-07	1.27E-07	4.94E-07	2.17E-07	9.12E-08	3.08E-07	1.79E-07	5.52E-08	2.35E-07
1261	564222.29	4191518.56	2.29E-06	8.14E-07	3.10E-06	3.67E-07	1.28E-07	4.95E-07	2.17E-07	9.13E-08	3.08E-07	1.80E-07	5.53E-08	2.35E-07
1262	564214.05	4191513.51	2.27E-06	8.07E-07	3.08E-06	3.64E-07	1.26E-07	4.90E-07	2.15E-07	9.05E-08	3.05E-07	1.78E-07	5.48E-08	2.33E-07
1263	564205.81	4191508.47	2.23E-06	7.91E-07	3.02E-06	3.57E-07	1.24E-07	4.81E-07	2.11E-07	8.88E-08	3.00E-07	1.75E-07	5.37E-08	2.28E-07
1264	564197.56	4191503.42	2.16E-06	7.68E-07	2.93E-06	3.47E-07	1.20E-07	4.67E-07	2.05E-07	8.62E-08	2.91E-07	1.70E-07	5.22E-08	2.22E-07
1265	564189.32	4191498.37	2.08E-06	7.38E-07	2.81E-06	3.33E-07	1.16E-07	4.49E-07	1.97E-07	8.28E-08	2.79E-07	1.63E-07	5.01E-08	2.13E-07
1266	564181.07	4191493.32	1.98E-06	7.02E-07	2.68E-06	3.17E-07	1.10E-07	4.27E-07	1.87E-07	7.88E-08	2.66E-07	1.55E-07	4.77E-08	2.03E-07
1267	564164.59	4191483.23	1.75E-06	6.20E-07	2.37E-06	2.80E-07	9.72E-08	3.77E-07	1.65E-07	6.96E-08	2.35E-07	1.37E-07	4.21E-08	1.79E-07
1268	564156.34	4191478.18	1.62E-06	5.77E-07	2.20E-06	2.61E-07	9.04E-08	3.51E-07	1.54E-07	6.47E-08	2.18E-07	1.27E-07	3.92E-08	1.67E-07
1269	564145.92	4191463.72	1.47E-06	5.23E-07	1.99E-06	2.36E-07	8.19E-08	3.18E-07	1.39E-07	5.87E-08	1.98E-07	1.15E-07	3.55E-08	1.51E-07
1270	564143.74	4191454.3	1.43E-06	5.09E-07	1.94E-06	2.30E-07	7.97E-08	3.09E-07	1.35E-07	5.71E-08	1.93E-07	1.12E-07	3.46E-08	1.47E-07
1271	564141.56	4191444.88	1.38E-06	4.92E-07	1.88E-06	2.22E-07	7.70E-08	2.99E-07	1.31E-07	5.51E-08	1.86E-07	1.09E-07	3.34E-08	1.42E-07
1272	564139.38	4191435.47	1.33E-06	4.72E-07	1.80E-06	2.13E-07	7.39E-08	2.87E-07	1.26E-07	5.29E-08	1.79E-07	1.04E-07	3.21E-08	1.36E-07
1273	564137.2	4191426.05	1.26E-06	4.49E-07	1.71E-06	2.03E-07	7.04E-08	2.73E-07	1.20E-07	5.04E-08	1.70E-07	9.92E-08	3.05E-08	1.30E-07
1274	564135.02	4191416.63	1.20E-06	4.25E-07	1.62E-06	1.92E-07	6.66E-08	2.59E-07	1.13E-07	4.77E-08	1.61E-07	9.39E-08	2.89E-08	1.23E-07
1275	564132.84	4191407.22	1.12E-06	4.00E-07	1.52E-06	1.80E-07	6.26E-08	2.43E-07	1.06E-07	4.48E-08	1.51E-07	8.82E-08	2.71E-08	1.15E-07
1276	564130.66	4191397.8	1.05E-06	3.73E-07	1.42E-06	1.69E-07	5.85E-08	2.27E-07	9.94E-08	4.19E-08	1.41E-07	8.24E-08	2.54E-08	1.08E-07
1277	564128.48	4191388.38	9.75E-07	3.47E-07	1.32E-06	1.56E-07	5.43E-08	2.11E-07	9.23E-08	3.89E-08	1.31E-07	7.65E-08	2.35E-08	1.00E-07
1278	564126.3	4191378.96	9.00E-07	3.20E-07	1.22E-06	1.44E-07	5.01E-08	1.95E-07	8.52E-08	3.59E-08	1.21E-07	7.06E-08	2.17E-08	9.24E-08
1279	564124.13	4191369.55	8.29E-07	2.95E-07	1.12E-06	1.33E-07	4.62E-08	1.79E-07	7.85E-08	3.31E-08	1.12E-07	6.51E-08	2.00E-08	8.51E-08
1280	564121.95	4191360.13	7.63E-07	2.71E-07	1.03E-06	1.22E-07	4.25E-08	1.65E-07	7.23E-08	3.04E-08	1.03E-07	5.99E-08	1.84E-08	7.83E-08
1281	564119.77	4191350.71	7.03E-07	2.50E-07	9.53E-07	1.13E-07	3.92E-08	1.52E-07	6.66E-08	2.80E-08	9.46E-08	5.52E-08	1.70E-08	7.22E-08
1282	564117.59	4191341.29	6.51E-07	2.31E-07	8.82E-07	1.04E-07	3.62E-08	1.41E-07	6.16E-08	2.59E-08	8.75E-08	5.10E-08	1.57E-08	6.67E-08
1283	564115.41	4191331.88	6.05E-07	2.15E-07	8.20E-07	9.71E-08	3.37E-08	1.31E-07	5.73E-08	2.41E-08	8.14E-08	4.75E-08	1.46E-08	6.21E-08
1284	564245.89	4191543.82	2.03E-06	7.22E-07	2.76E-06	3.26E-07	1.13E-07	4.39E-07	1.92E-07	8.10E-08	2.73E-07	1.59E-07	4.91E-08	2.09E-07
1285	564237.75	4191538.84	2.08E-06	7.38E-07	2.81E-06	3.33E-07	1.16E-07	4.49E-07	1.97E-07	8.28E-08	2.79E-07	1.63E-07	5.01E-08	2.13E-07
1286	564229.6	4191533.85	2.10E-06	7.48E-07	2.85E-06	3.38E-07	1.17E-07	4.55E-07	1.99E-07	8.39E-08	2.83E-07	1.65E-07	5.08E-08	2.16E-07
1287	564221.45	4191528.86	2.12E-06	7.52E-07	2.87E-06	3.39E-07	1.18E-07	4.57E-07	2.00E-07	8.43E-08	2.85E-07	1.66E-07	5.11E-08	2.17E-07
1288	564213.31	4191523.87	2.11E-06	7.49E-07	2.86E-06	3.38E-07	1.17E-07	4.56E-07	2.00E-07	8.40E-08	2.84E-07	1.65E-07	5.09E-08	2.16E-07
1289	564205.16	4191518.89	2.08E-06	7.40E-07	2.82E-06	3.34E-07	1.16E-07	4.50E-07	1.97E-07	8.30E-08	2.80E-07	1.63E-07	5.02E-08	2.14E-07
1290	564197.01	4191513.9	2.04E-06	7.24E-07	2.76E-06	3.27E-07	1.13E-07	4.40E-07	1.93E-07	8.12E-08	2.74E-07	1.60E-07	4.91E-08	2.09E-07
1291	564188.87	4191508.91	1.97E-06	7.01E-07	2.67E-06	3.17E-07	1.10E-07	4.26E-07	1.87E-07	7.87E-08	2.65E-07	1.55E-07	4.76E-08	2.02E-07
1292	564180.72	4191503.92	1.89E-06	6.73E-07	2.57E-06	3.04E-07	1.05E-07	4.09E-07	1.79E-07	7.55E-08	2.55E-07	1.49E-07	4.57E-08	1.94E-07
1293	564164.43	4191493.95	1.70E-06	6.06E-07	2.31E-06	2.73E-07	9.49E-08	3.68E-07	1.61E-07	6.80E-08	2.29E-07	1.34E-07	4.11E-08	1.75E-07
1294	564156.28	4191488.96	1.60E-06	5.69E-07	2.17E-06	2.57E-07	8.91E-08	3.46E-07	1.51E-07	6.38E-08	2.15E-07	1.26E-07	3.86E-08	1.64E-07
1295	564148.13	4191483.97	1.49E-06	5.31E-07	2.02E-06	2.40E-07	8.31E-08	3.23E-07	1.41E-07	5.95E-08	2.01E-07	1.17E-07	3.60E-08	1.53E-07
1296	564137.83	4191469.68	1.36E-06	4.83E-07	1.84E-06	2.18E-07	7.57E-08	2.94E-07	1.29E-07	5.42E-08	1.83E-07	1.07E-07	3.28E-08	1.39E-07
1297	564135.68	4191460.37	1.32E-06	4.71E-07	1.80E-06	2.13E-07	7.37E-08	2.86E-07	1.25E-07	5.28E-08	1.78E-07	1.04E-07	3.20E-08	1.36E-07
1298	564133.53	4191451.06	1.28E-06	4.56E-07	1.74E-06	2.06E-07	7.14E-08	2.77E-07	1.21E-07	5.12E-08	1.73E-07	1.01E-07	3.10E-08	1.32E-07

1299	564131.37	4191441.76	1.24E-06	4.39E-07	1.68E-06	1.98E-07	6.88E-08	2.67E-07	1.17E-07	4.93E-08	1.66E-07	9.70E-08	2.98E-08	1.27E-07
1300	564129.22	4191432.45	1.18E-06	4.21E-07	1.60E-06	1.90E-07	6.59E-08	2.56E-07	1.12E-07	4.72E-08	1.59E-07	9.29E-08	2.86E-08	1.21E-07
1301	564127.06	4191423.14	1.13E-06	4.00E-07	1.53E-06	1.81E-07	6.27E-08	2.43E-07	1.07E-07	4.49E-08	1.51E-07	8.83E-08	2.72E-08	1.15E-07
1302	564124.91	4191413.84	1.06E-06	3.78E-07	1.44E-06	1.71E-07	5.93E-08	2.30E-07	1.01E-07	4.24E-08	1.43E-07	8.35E-08	2.57E-08	1.09E-07
1303	564122.76	4191404.53	1.00E-06	3.56E-07	1.36E-06	1.61E-07	5.57E-08	2.16E-07	9.47E-08	3.99E-08	1.35E-07	7.85E-08	2.42E-08	1.03E-07
1304	564120.6	4191395.22	9.34E-07	3.32E-07	1.27E-06	1.50E-07	5.20E-08	2.02E-07	8.84E-08	3.72E-08	1.26E-07	7.33E-08	2.25E-08	9.58E-08
1305	564118.45	4191385.92	8.67E-07	3.08E-07	1.18E-06	1.39E-07	4.83E-08	1.87E-07	8.21E-08	3.46E-08	1.17E-07	6.80E-08	2.09E-08	8.90E-08
1306	564116.29	4191376.61	8.02E-07	2.85E-07	1.09E-06	1.29E-07	4.46E-08	1.73E-07	7.59E-08	3.20E-08	1.08E-07	6.29E-08	1.94E-08	8.22E-08
1307	564114.14	4191367.31	7.41E-07	2.63E-07	1.00E-06	1.19E-07	4.13E-08	1.60E-07	7.02E-08	2.95E-08	9.97E-08	5.81E-08	1.79E-08	7.60E-08
1308	564111.99	4191358	6.85E-07	2.43E-07	9.28E-07	1.10E-07	3.81E-08	1.48E-07	6.48E-08	2.73E-08	9.21E-08	5.37E-08	1.65E-08	7.03E-08
1309	564109.83	4191348.69	6.34E-07	2.25E-07	8.59E-07	1.02E-07	3.53E-08	1.37E-07	6.00E-08	2.53E-08	8.53E-08	4.97E-08	1.53E-08	6.50E-08
1310	564107.68	4191339.39	5.89E-07	2.09E-07	7.98E-07	9.45E-08	3.28E-08	1.27E-07	5.58E-08	2.35E-08	7.92E-08	4.62E-08	1.42E-08	6.04E-08
1311	564105.53	4191330.08	5.51E-07	1.96E-07	7.46E-07	8.83E-08	3.07E-08	1.19E-07	5.21E-08	2.19E-08	7.41E-08	4.32E-08	1.33E-08	5.65E-08
1312	564278.48	4191563.78	1.77E-06	6.29E-07	2.40E-06	2.84E-07	9.86E-08	3.83E-07	1.68E-07	7.06E-08	2.38E-07	1.39E-07	4.27E-08	1.82E-07
1313	564268.9	4191568.73	1.69E-06	6.01E-07	2.29E-06	2.71E-07	9.42E-08	3.66E-07	1.60E-07	6.75E-08	2.28E-07	1.33E-07	4.08E-08	1.74E-07
1314	564260.84	4191563.79	1.75E-06	6.23E-07	2.38E-06	2.81E-07	9.77E-08	3.79E-07	1.66E-07	6.99E-08	2.36E-07	1.38E-07	4.23E-08	1.80E-07
1315	564252.78	4191558.85	1.81E-06	6.44E-07	2.46E-06	2.91E-07	1.01E-07	3.92E-07	1.72E-07	7.23E-08	2.44E-07	1.42E-07	4.38E-08	1.86E-07
1316	564220.54	4191539.11	1.96E-06	6.95E-07	2.65E-06	3.14E-07	1.09E-07	4.23E-07	1.85E-07	7.80E-08	2.63E-07	1.54E-07	4.72E-08	2.01E-07
1317	564212.48	4191534.18	1.96E-06	6.96E-07	2.65E-06	3.14E-07	1.09E-07	4.23E-07	1.85E-07	7.81E-08	2.63E-07	1.54E-07	4.73E-08	2.01E-07
1318	564204.42	4191529.24	1.94E-06	6.91E-07	2.63E-06	3.12E-07	1.08E-07	4.20E-07	1.84E-07	7.75E-08	2.62E-07	1.53E-07	4.69E-08	1.99E-07
1319	564196.36	4191524.31	1.91E-06	6.80E-07	2.59E-06	3.07E-07	1.07E-07	4.14E-07	1.81E-07	7.63E-08	2.57E-07	1.50E-07	4.62E-08	1.96E-07
1320	564188.3	4191519.37	1.87E-06	6.64E-07	2.53E-06	3.00E-07	1.04E-07	4.04E-07	1.77E-07	7.45E-08	2.51E-07	1.47E-07	4.51E-08	1.92E-07
1321	564180.24	4191514.44	1.81E-06	6.42E-07	2.45E-06	2.90E-07	1.01E-07	3.91E-07	1.71E-07	7.21E-08	2.43E-07	1.42E-07	4.36E-08	1.85E-07
1322	564156.06	4191499.63	1.57E-06	5.56E-07	2.12E-06	2.51E-07	8.71E-08	3.38E-07	1.48E-07	6.24E-08	2.11E-07	1.23E-07	3.78E-08	1.61E-07
1323	564147.99	4191494.7	1.47E-06	5.23E-07	1.99E-06	2.36E-07	8.19E-08	3.18E-07	1.39E-07	5.87E-08	1.98E-07	1.15E-07	3.55E-08	1.51E-07
1324	564139.93	4191489.76	1.38E-06	4.90E-07	1.87E-06	2.21E-07	7.67E-08	2.98E-07	1.30E-07	5.50E-08	1.85E-07	1.08E-07	3.33E-08	1.41E-07
1325	564129.74	4191475.62	1.26E-06	4.48E-07	1.71E-06	2.02E-07	7.02E-08	2.73E-07	1.19E-07	5.03E-08	1.70E-07	9.89E-08	3.04E-08	1.29E-07
1326	564127.61	4191466.41	1.23E-06	4.37E-07	1.67E-06	1.97E-07	6.85E-08	2.66E-07	1.16E-07	4.90E-08	1.65E-07	9.65E-08	2.97E-08	1.26E-07
1327	564125.48	4191457.2	1.19E-06	4.24E-07	1.62E-06	1.92E-07	6.65E-08	2.58E-07	1.13E-07	4.76E-08	1.61E-07	9.37E-08	2.88E-08	1.22E-07
1328	564123.35	4191448	1.15E-06	4.10E-07	1.56E-06	1.85E-07	6.42E-08	2.49E-07	1.09E-07	4.60E-08	1.55E-07	9.05E-08	2.78E-08	1.18E-07
1329	564121.22	4191438.79	1.11E-06	3.94E-07	1.50E-06	1.78E-07	6.17E-08	2.40E-07	1.05E-07	4.42E-08	1.49E-07	8.70E-08	2.68E-08	1.14E-07
1330	564119.09	4191429.58	1.06E-06	3.76E-07	1.44E-06	1.70E-07	5.90E-08	2.29E-07	1.00E-07	4.22E-08	1.43E-07	8.31E-08	2.56E-08	1.09E-07
1331	564116.96	4191420.37	1.01E-06	3.58E-07	1.36E-06	1.62E-07	5.61E-08	2.18E-07	9.53E-08	4.01E-08	1.35E-07	7.90E-08	2.43E-08	1.03E-07
1332	564114.83	4191411.16	9.52E-07	3.38E-07	1.29E-06	1.53E-07	5.30E-08	2.06E-07	9.01E-08	3.80E-08	1.28E-07	7.47E-08	2.30E-08	9.77E-08
1333	564112.69	4191401.96	8.94E-07	3.18E-07	1.21E-06	1.43E-07	4.98E-08	1.93E-07	8.47E-08	3.57E-08	1.20E-07	7.02E-08	2.16E-08	9.17E-08
1334	564110.56	4191392.75	8.35E-07	2.97E-07	1.13E-06	1.34E-07	4.65E-08	1.80E-07	7.90E-08	3.33E-08	1.12E-07	6.55E-08	2.01E-08	8.56E-08
1335	564108.43	4191383.54	7.76E-07	2.76E-07	1.05E-06	1.25E-07	4.32E-08	1.68E-07	7.35E-08	3.09E-08	1.04E-07	6.09E-08	1.87E-08	7.96E-08
1336	564106.3	4191374.33	7.20E-07	2.56E-07	9.76E-07	1.15E-07	4.01E-08	1.56E-07	6.81E-08	2.87E-08	9.68E-08	5.65E-08	1.74E-08	7.39E-08
1337	564104.17	4191365.13	6.67E-07	2.37E-07	9.05E-07	1.07E-07	3.72E-08	1.44E-07	6.32E-08	2.66E-08	8.98E-08	5.24E-08	1.61E-08	6.85E-08
1338	564102.04	4191355.92	6.19E-07	2.20E-07	8.38E-07	9.92E-08	3.44E-08	1.34E-07	5.86E-08	2.47E-08	8.32E-08	4.85E-08	1.49E-08	6.35E-08
1339	564099.91	4191346.71	5.74E-07	2.04E-07	7.78E-07	9.21E-08	3.20E-08	1.24E-07	5.44E-08	2.29E-08	7.73E-08	4.51E-08	1.39E-08	5.89E-08
1340	564097.78	4191337.5	5.36E-07	1.90E-07	7.26E-07	8.60E-08	2.98E-08	1.16E-07	5.07E-08	2.14E-08	7.21E-08	4.21E-08	1.29E-08	5.50E-08

1341	564095.65	4191328.29	5.03E-07	1.79E-07	6.82E-07	8.07E-08	2.80E-08	1.09E-07	4.76E-08	2.01E-08	6.77E-08	3.95E-08	1.21E-08	5.16E-08
1342	564276.96	4191573.66	1.63E-06	5.79E-07	2.21E-06	2.61E-07	9.07E-08	3.52E-07	1.54E-07	6.49E-08	2.19E-07	1.28E-07	3.93E-08	1.67E-07
1343	564286.82	4191575.17	1.61E-06	5.72E-07	2.18E-06	2.58E-07	8.95E-08	3.48E-07	1.52E-07	6.41E-08	2.16E-07	1.26E-07	3.88E-08	1.65E-07
1344	564296.67	4191576.69	1.58E-06	5.63E-07	2.15E-06	2.54E-07	8.82E-08	3.42E-07	1.50E-07	6.32E-08	2.13E-07	1.24E-07	3.83E-08	1.63E-07
1345	564306.52	4191578.2	1.56E-06	5.54E-07	2.11E-06	2.50E-07	8.68E-08	3.37E-07	1.48E-07	6.22E-08	2.10E-07	1.22E-07	3.76E-08	1.60E-07
1346	564267.02	4191578.38	1.56E-06	5.56E-07	2.12E-06	2.51E-07	8.71E-08	3.38E-07	1.48E-07	6.23E-08	2.10E-07	1.23E-07	3.77E-08	1.60E-07
1347	564258.59	4191573.23	1.62E-06	5.77E-07	2.20E-06	2.60E-07	9.03E-08	3.51E-07	1.54E-07	6.47E-08	2.18E-07	1.27E-07	3.92E-08	1.66E-07
1348	564250.16	4191568.07	1.68E-06	5.97E-07	2.28E-06	2.69E-07	9.35E-08	3.63E-07	1.59E-07	6.69E-08	2.26E-07	1.32E-07	4.05E-08	1.72E-07
1349	564241.74	4191562.91	1.73E-06	6.14E-07	2.34E-06	2.77E-07	9.62E-08	3.74E-07	1.64E-07	6.89E-08	2.33E-07	1.36E-07	4.17E-08	1.77E-07
1350	564233.31	4191557.75	1.77E-06	6.29E-07	2.40E-06	2.84E-07	9.85E-08	3.82E-07	1.68E-07	7.05E-08	2.38E-07	1.39E-07	4.27E-08	1.82E-07
1351	564191.18	4191531.95	1.78E-06	6.33E-07	2.41E-06	2.86E-07	9.91E-08	3.85E-07	1.69E-07	7.10E-08	2.40E-07	1.40E-07	4.30E-08	1.83E-07
1352	564182.75	4191526.79	1.74E-06	6.18E-07	2.36E-06	2.79E-07	9.67E-08	3.76E-07	1.65E-07	6.93E-08	2.34E-07	1.36E-07	4.20E-08	1.78E-07
1353	564157.47	4191511.31	1.54E-06	5.47E-07	2.09E-06	2.47E-07	8.58E-08	3.33E-07	1.46E-07	6.14E-08	2.07E-07	1.21E-07	3.72E-08	1.58E-07
1354	564149.04	4191506.15	1.46E-06	5.18E-07	1.98E-06	2.34E-07	8.11E-08	3.15E-07	1.38E-07	5.81E-08	1.96E-07	1.14E-07	3.52E-08	1.50E-07
1355	564140.61	4191500.99	1.37E-06	4.87E-07	1.86E-06	2.20E-07	7.63E-08	2.96E-07	1.30E-07	5.46E-08	1.84E-07	1.08E-07	3.31E-08	1.41E-07
1356	564132.19	4191495.83	1.28E-06	4.56E-07	1.74E-06	2.06E-07	7.14E-08	2.77E-07	1.21E-07	5.12E-08	1.73E-07	1.01E-07	3.10E-08	1.32E-07
1357	564121.53	4191481.05	1.17E-06	4.17E-07	1.59E-06	1.88E-07	6.53E-08	2.53E-07	1.11E-07	4.68E-08	1.58E-07	9.20E-08	2.83E-08	1.20E-07
1358	564119.3	4191471.42	1.14E-06	4.06E-07	1.55E-06	1.83E-07	6.36E-08	2.47E-07	1.08E-07	4.55E-08	1.54E-07	8.96E-08	2.76E-08	1.17E-07
1359	564117.08	4191461.8	1.11E-06	3.94E-07	1.50E-06	1.78E-07	6.17E-08	2.39E-07	1.05E-07	4.42E-08	1.49E-07	8.69E-08	2.67E-08	1.14E-07
1360	564114.85	4191452.17	1.07E-06	3.80E-07	1.45E-06	1.72E-07	5.96E-08	2.31E-07	1.01E-07	4.27E-08	1.44E-07	8.40E-08	2.58E-08	1.10E-07
1361	564112.62	4191442.54	1.03E-06	3.65E-07	1.39E-06	1.65E-07	5.72E-08	2.22E-07	9.73E-08	4.10E-08	1.38E-07	8.07E-08	2.48E-08	1.05E-07
1362	564110.39	4191432.92	9.83E-07	3.49E-07	1.33E-06	1.58E-07	5.47E-08	2.12E-07	9.31E-08	3.92E-08	1.32E-07	7.71E-08	2.37E-08	1.01E-07
1363	564108.17	4191423.29	9.34E-07	3.32E-07	1.27E-06	1.50E-07	5.20E-08	2.02E-07	8.84E-08	3.72E-08	1.26E-07	7.33E-08	2.26E-08	9.59E-08
1364	564105.94	4191413.66	8.82E-07	3.14E-07	1.20E-06	1.42E-07	4.91E-08	1.91E-07	8.35E-08	3.52E-08	1.19E-07	6.92E-08	2.13E-08	9.05E-08
1365	564103.71	4191404.04	8.28E-07	2.94E-07	1.12E-06	1.33E-07	4.61E-08	1.79E-07	7.84E-08	3.30E-08	1.11E-07	6.50E-08	2.00E-08	8.50E-08
1366	564101.48	4191394.41	7.73E-07	2.75E-07	1.05E-06	1.24E-07	4.30E-08	1.67E-07	7.32E-08	3.08E-08	1.04E-07	6.07E-08	1.87E-08	7.93E-08
1367	564099.25	4191384.78	7.19E-07	2.55E-07	9.74E-07	1.15E-07	4.00E-08	1.55E-07	6.80E-08	2.87E-08	9.67E-08	5.64E-08	1.73E-08	7.37E-08
1368	564097.03	4191375.16	6.66E-07	2.37E-07	9.03E-07	1.07E-07	3.71E-08	1.44E-07	6.31E-08	2.66E-08	8.97E-08	5.23E-08	1.61E-08	6.84E-08
1369	564094.8	4191365.53	6.17E-07	2.19E-07	8.36E-07	9.89E-08	3.43E-08	1.33E-07	5.84E-08	2.46E-08	8.30E-08	4.84E-08	1.49E-08	6.33E-08
1370	564092.57	4191355.9	5.71E-07	2.03E-07	7.73E-07	9.16E-08	3.18E-08	1.23E-07	5.40E-08	2.28E-08	7.68E-08	4.48E-08	1.38E-08	5.85E-08
1371	564090.34	4191346.28	5.29E-07	1.88E-07	7.17E-07	8.49E-08	2.94E-08	1.14E-07	5.01E-08	2.11E-08	7.12E-08	4.15E-08	1.28E-08	5.43E-08
1372	564088.11	4191336.65	4.93E-07	1.75E-07	6.69E-07	7.92E-08	2.75E-08	1.07E-07	4.67E-08	1.97E-08	6.64E-08	3.87E-08	1.19E-08	5.06E-08
1373	564085.89	4191327.02	4.63E-07	1.65E-07	6.27E-07	7.43E-08	2.58E-08	1.00E-07	4.38E-08	1.85E-08	6.23E-08	3.63E-08	1.12E-08	4.75E-08
1374	564275.44	4191583.54	1.50E-06	5.34E-07	2.04E-06	2.41E-07	8.37E-08	3.25E-07	1.42E-07	5.99E-08	2.02E-07	1.18E-07	3.63E-08	1.54E-07
1375	564285.3	4191585.06	1.48E-06	5.27E-07	2.01E-06	2.38E-07	8.26E-08	3.21E-07	1.40E-07	5.91E-08	2.00E-07	1.16E-07	3.58E-08	1.52E-07
1376	564295.15	4191586.57	1.46E-06	5.19E-07	1.98E-06	2.34E-07	8.14E-08	3.16E-07	1.38E-07	5.83E-08	1.97E-07	1.15E-07	3.53E-08	1.50E-07
1377	564305	4191588.08	1.44E-06	5.12E-07	1.95E-06	2.31E-07	8.02E-08	3.11E-07	1.36E-07	5.74E-08	1.94E-07	1.13E-07	3.48E-08	1.48E-07
1378	564265.6	4191588.33	1.45E-06	5.14E-07	1.96E-06	2.32E-07	8.05E-08	3.13E-07	1.37E-07	5.77E-08	1.95E-07	1.14E-07	3.49E-08	1.48E-07
1379	564257.27	4191583.23	1.50E-06	5.33E-07	2.03E-06	2.41E-07	8.35E-08	3.24E-07	1.42E-07	5.98E-08	2.02E-07	1.18E-07	3.62E-08	1.54E-07
1380	564248.94	4191578.13	1.55E-06	5.51E-07	2.10E-06	2.49E-07	8.63E-08	3.35E-07	1.47E-07	6.18E-08	2.09E-07	1.22E-07	3.74E-08	1.59E-07
1381	564240.6	4191573.03	1.60E-06	5.68E-07	2.16E-06	2.56E-07	8.89E-08	3.45E-07	1.51E-07	6.37E-08	2.15E-07	1.25E-07	3.86E-08	1.64E-07
1382	564232.27	4191567.93	1.64E-06	5.81E-07	2.22E-06	2.63E-07	9.11E-08	3.54E-07	1.55E-07	6.52E-08	2.20E-07	1.28E-07	3.95E-08	1.68E-07

1383	564223.94	4191562.83	1.67E-06	5.92E-07	2.26E-06	2.67E-07	9.28E-08	3.60E-07	1.58E-07	6.64E-08	2.24E-07	1.31E-07	4.02E-08	1.71E-07
1384	564215.61	4191557.73	1.69E-06	5.99E-07	2.29E-06	2.71E-07	9.39E-08	3.65E-07	1.60E-07	6.72E-08	2.27E-07	1.32E-07	4.07E-08	1.73E-07
1385	564207.28	4191552.63	1.70E-06	6.03E-07	2.30E-06	2.72E-07	9.44E-08	3.66E-07	1.60E-07	6.76E-08	2.28E-07	1.33E-07	4.09E-08	1.74E-07
1386	564157.3	4191522.02	1.49E-06	5.30E-07	2.02E-06	2.39E-07	8.31E-08	3.22E-07	1.41E-07	5.95E-08	2.01E-07	1.17E-07	3.60E-08	1.53E-07
1387	564148.97	4191516.92	1.42E-06	5.06E-07	1.93E-06	2.28E-07	7.92E-08	3.08E-07	1.35E-07	5.67E-08	1.91E-07	1.12E-07	3.44E-08	1.46E-07
1388	564140.64	4191511.82	1.35E-06	4.79E-07	1.83E-06	2.16E-07	7.51E-08	2.91E-07	1.28E-07	5.38E-08	1.81E-07	1.06E-07	3.26E-08	1.38E-07
1389	564132.31	4191506.72	1.27E-06	4.52E-07	1.72E-06	2.04E-07	7.08E-08	2.75E-07	1.20E-07	5.07E-08	1.71E-07	9.98E-08	3.07E-08	1.30E-07
1390	564123.98	4191501.62	1.19E-06	4.24E-07	1.62E-06	1.92E-07	6.65E-08	2.58E-07	1.13E-07	4.76E-08	1.61E-07	9.37E-08	2.88E-08	1.22E-07
1391	564113.45	4191487	1.10E-06	3.89E-07	1.49E-06	1.76E-07	6.10E-08	2.37E-07	1.04E-07	4.37E-08	1.47E-07	8.60E-08	2.64E-08	1.12E-07
1392	564111.24	4191477.49	1.07E-06	3.80E-07	1.45E-06	1.71E-07	5.95E-08	2.31E-07	1.01E-07	4.26E-08	1.44E-07	8.38E-08	2.58E-08	1.10E-07
1393	564109.04	4191467.97	1.04E-06	3.69E-07	1.41E-06	1.67E-07	5.78E-08	2.24E-07	9.83E-08	4.14E-08	1.40E-07	8.14E-08	2.51E-08	1.06E-07
1394	564106.84	4191458.46	1.01E-06	3.57E-07	1.36E-06	1.61E-07	5.60E-08	2.17E-07	9.51E-08	4.01E-08	1.35E-07	7.89E-08	2.43E-08	1.03E-07
1395	564104.64	4191448.94	9.69E-07	3.44E-07	1.31E-06	1.55E-07	5.40E-08	2.09E-07	9.17E-08	3.86E-08	1.30E-07	7.60E-08	2.34E-08	9.94E-08
1396	564102.43	4191439.42	9.30E-07	3.30E-07	1.26E-06	1.49E-07	5.18E-08	2.01E-07	8.80E-08	3.71E-08	1.25E-07	7.30E-08	2.24E-08	9.54E-08
1397	564100.23	4191429.91	8.87E-07	3.15E-07	1.20E-06	1.42E-07	4.94E-08	1.92E-07	8.40E-08	3.54E-08	1.19E-07	6.96E-08	2.14E-08	9.10E-08
1398	564098.03	4191420.39	8.42E-07	2.99E-07	1.14E-06	1.35E-07	4.69E-08	1.82E-07	7.97E-08	3.36E-08	1.13E-07	6.60E-08	2.03E-08	8.64E-08
1399	564095.83	4191410.87	7.94E-07	2.82E-07	1.08E-06	1.27E-07	4.42E-08	1.72E-07	7.52E-08	3.17E-08	1.07E-07	6.23E-08	1.92E-08	8.15E-08
1400	564093.62	4191401.36	7.45E-07	2.65E-07	1.01E-06	1.20E-07	4.15E-08	1.61E-07	7.05E-08	2.97E-08	1.00E-07	5.85E-08	1.80E-08	7.64E-08
1401	564091.42	4191391.84	6.97E-07	2.48E-07	9.44E-07	1.12E-07	3.88E-08	1.51E-07	6.60E-08	2.78E-08	9.37E-08	5.47E-08	1.68E-08	7.15E-08
1402	564089.22	4191382.32	6.49E-07	2.31E-07	8.80E-07	1.04E-07	3.62E-08	1.40E-07	6.15E-08	2.59E-08	8.74E-08	5.09E-08	1.57E-08	6.66E-08
1403	564087.02	4191372.81	6.04E-07	2.15E-07	8.18E-07	9.68E-08	3.36E-08	1.30E-07	5.71E-08	2.41E-08	8.12E-08	4.74E-08	1.46E-08	6.19E-08
1404	564084.81	4191363.29	5.60E-07	1.99E-07	7.59E-07	8.98E-08	3.12E-08	1.21E-07	5.30E-08	2.23E-08	7.53E-08	4.39E-08	1.35E-08	5.74E-08
1405	564082.61	4191353.78	5.20E-07	1.85E-07	7.04E-07	8.34E-08	2.89E-08	1.12E-07	4.92E-08	2.07E-08	6.99E-08	4.08E-08	1.25E-08	5.33E-08
1406	564080.41	4191344.26	4.84E-07	1.72E-07	6.56E-07	7.76E-08	2.69E-08	1.05E-07	4.58E-08	1.93E-08	6.51E-08	3.80E-08	1.17E-08	4.96E-08
1407	564078.21	4191334.74	4.53E-07	1.61E-07	6.14E-07	7.27E-08	2.52E-08	9.80E-08	4.29E-08	1.81E-08	6.10E-08	3.56E-08	1.09E-08	4.65E-08
1408	564076	4191325.23	4.27E-07	1.52E-07	5.79E-07	6.85E-08	2.38E-08	9.23E-08	4.04E-08	1.70E-08	5.75E-08	3.35E-08	1.03E-08	4.38E-08
1409	564273.93	4191593.43	1.39E-06	4.95E-07	1.89E-06	2.23E-07	7.75E-08	3.01E-07	1.32E-07	5.55E-08	1.87E-07	1.09E-07	3.36E-08	1.43E-07
1410	564283.78	4191594.94	1.37E-06	4.89E-07	1.86E-06	2.21E-07	7.65E-08	2.97E-07	1.30E-07	5.48E-08	1.85E-07	1.08E-07	3.32E-08	1.41E-07
1411	564293.63	4191596.46	1.35E-06	4.81E-07	1.84E-06	2.17E-07	7.54E-08	2.93E-07	1.28E-07	5.40E-08	1.82E-07	1.06E-07	3.27E-08	1.39E-07
1412	564303.49	4191597.97	1.34E-06	4.75E-07	1.81E-06	2.14E-07	7.43E-08	2.89E-07	1.26E-07	5.32E-08	1.80E-07	1.05E-07	3.22E-08	1.37E-07
1413	564264.16	4191598.27	1.34E-06	4.77E-07	1.82E-06	2.15E-07	7.48E-08	2.90E-07	1.27E-07	5.35E-08	1.81E-07	1.05E-07	3.24E-08	1.38E-07
1414	564255.92	4191593.22	1.39E-06	4.94E-07	1.89E-06	2.23E-07	7.74E-08	3.01E-07	1.32E-07	5.55E-08	1.87E-07	1.09E-07	3.36E-08	1.43E-07
1415	564247.68	4191588.17	1.44E-06	5.11E-07	1.95E-06	2.31E-07	8.00E-08	3.11E-07	1.36E-07	5.73E-08	1.93E-07	1.13E-07	3.47E-08	1.47E-07
1416	564239.43	4191583.12	1.48E-06	5.26E-07	2.01E-06	2.37E-07	8.24E-08	3.20E-07	1.40E-07	5.90E-08	1.99E-07	1.16E-07	3.57E-08	1.52E-07
1417	564231.19	4191578.08	1.52E-06	5.39E-07	2.06E-06	2.43E-07	8.44E-08	3.28E-07	1.44E-07	6.05E-08	2.04E-07	1.19E-07	3.66E-08	1.56E-07
1418	564222.95	4191573.03	1.55E-06	5.50E-07	2.10E-06	2.48E-07	8.61E-08	3.34E-07	1.46E-07	6.17E-08	2.08E-07	1.21E-07	3.73E-08	1.59E-07
1419	564214.7	4191567.98	1.57E-06	5.58E-07	2.13E-06	2.52E-07	8.74E-08	3.39E-07	1.49E-07	6.26E-08	2.11E-07	1.23E-07	3.79E-08	1.61E-07
1420	564206.46	4191562.93	1.58E-06	5.62E-07	2.14E-06	2.54E-07	8.81E-08	3.42E-07	1.50E-07	6.31E-08	2.13E-07	1.24E-07	3.82E-08	1.62E-07
1421	564198.22	4191557.89	1.58E-06	5.63E-07	2.15E-06	2.54E-07	8.82E-08	3.42E-07	1.50E-07	6.32E-08	2.13E-07	1.24E-07	3.82E-08	1.63E-07
1422	564189.97	4191552.84	1.58E-06	5.60E-07	2.14E-06	2.53E-07	8.78E-08	3.41E-07	1.49E-07	6.29E-08	2.12E-07	1.24E-07	3.81E-08	1.62E-07
1423	564181.73	4191547.79	1.56E-06	5.54E-07	2.11E-06	2.50E-07	8.67E-08	3.37E-07	1.47E-07	6.21E-08	2.10E-07	1.22E-07	3.76E-08	1.60E-07
1424	564148.75	4191527.6	1.38E-06	4.91E-07	1.87E-06	2.22E-07	7.70E-08	2.99E-07	1.31E-07	5.51E-08	1.86E-07	1.08E-07	3.34E-08	1.42E-07

1425	564140.51	4191522.56	1.32E-06	4.69E-07	1.79E-06	2.12E-07	7.35E-08	2.85E-07	1.25E-07	5.26E-08	1.78E-07	1.04E-07	3.19E-08	1.35E-07
1426	564132.27	4191517.51	1.25E-06	4.45E-07	1.70E-06	2.01E-07	6.97E-08	2.71E-07	1.19E-07	4.99E-08	1.68E-07	9.82E-08	3.02E-08	1.28E-07
1427	564124.02	4191512.46	1.18E-06	4.20E-07	1.60E-06	1.90E-07	6.59E-08	2.56E-07	1.12E-07	4.72E-08	1.59E-07	9.28E-08	2.86E-08	1.21E-07
1428	564115.78	4191507.41	1.11E-06	3.96E-07	1.51E-06	1.79E-07	6.20E-08	2.41E-07	1.05E-07	4.44E-08	1.50E-07	8.74E-08	2.69E-08	1.14E-07
1429	564105.36	4191492.95	1.03E-06	3.65E-07	1.39E-06	1.65E-07	5.71E-08	2.22E-07	9.71E-08	4.09E-08	1.38E-07	8.05E-08	2.48E-08	1.05E-07
1430	564103.18	4191483.53	1.00E-06	3.56E-07	1.36E-06	1.61E-07	5.58E-08	2.17E-07	9.49E-08	4.00E-08	1.35E-07	7.86E-08	2.42E-08	1.03E-07
1431	564101	4191474.12	9.76E-07	3.47E-07	1.32E-06	1.57E-07	5.43E-08	2.11E-07	9.24E-08	3.89E-08	1.31E-07	7.65E-08	2.35E-08	1.00E-07
1432	564098.82	4191464.7	9.46E-07	3.36E-07	1.28E-06	1.52E-07	5.27E-08	2.04E-07	8.96E-08	3.77E-08	1.27E-07	7.42E-08	2.28E-08	9.71E-08
1433	564096.64	4191455.28	9.15E-07	3.25E-07	1.24E-06	1.47E-07	5.09E-08	1.98E-07	8.66E-08	3.65E-08	1.23E-07	7.18E-08	2.21E-08	9.38E-08
1434	564094.46	4191445.86	8.80E-07	3.13E-07	1.19E-06	1.41E-07	4.90E-08	1.90E-07	8.33E-08	3.51E-08	1.18E-07	6.91E-08	2.13E-08	9.03E-08
1435	564092.28	4191436.45	8.44E-07	3.00E-07	1.14E-06	1.35E-07	4.70E-08	1.82E-07	7.99E-08	3.36E-08	1.13E-07	6.62E-08	2.04E-08	8.65E-08
1436	564090.1	4191427.03	8.03E-07	2.85E-07	1.09E-06	1.29E-07	4.47E-08	1.74E-07	7.60E-08	3.20E-08	1.08E-07	6.30E-08	1.94E-08	8.24E-08
1437	564087.92	4191417.61	7.61E-07	2.70E-07	1.03E-06	1.22E-07	4.24E-08	1.64E-07	7.20E-08	3.03E-08	1.02E-07	5.97E-08	1.84E-08	7.81E-08
1438	564085.74	4191408.2	7.17E-07	2.55E-07	9.72E-07	1.15E-07	3.99E-08	1.55E-07	6.79E-08	2.86E-08	9.65E-08	5.63E-08	1.73E-08	7.36E-08
1439	564083.56	4191398.78	6.74E-07	2.39E-07	9.13E-07	1.08E-07	3.75E-08	1.46E-07	6.38E-08	2.69E-08	9.06E-08	5.29E-08	1.63E-08	6.91E-08
1440	564081.38	4191389.36	6.31E-07	2.24E-07	8.55E-07	1.01E-07	3.51E-08	1.36E-07	5.97E-08	2.52E-08	8.49E-08	4.95E-08	1.52E-08	6.47E-08
1441	564079.2	4191379.94	5.89E-07	2.09E-07	7.99E-07	9.45E-08	3.28E-08	1.27E-07	5.58E-08	2.35E-08	7.93E-08	4.62E-08	1.42E-08	6.05E-08
1442	564077.02	4191370.53	5.49E-07	1.95E-07	7.44E-07	8.80E-08	3.06E-08	1.19E-07	5.20E-08	2.19E-08	7.38E-08	4.31E-08	1.32E-08	5.63E-08
1443	564074.84	4191361.11	5.11E-07	1.81E-07	6.92E-07	8.19E-08	2.84E-08	1.10E-07	4.83E-08	2.04E-08	6.87E-08	4.01E-08	1.23E-08	5.24E-08
1444	564072.66	4191351.69	4.76E-07	1.69E-07	6.45E-07	7.63E-08	2.65E-08	1.03E-07	4.51E-08	1.90E-08	6.40E-08	3.73E-08	1.15E-08	4.88E-08
1445	564070.48	4191342.27	4.45E-07	1.58E-07	6.03E-07	7.14E-08	2.48E-08	9.62E-08	4.21E-08	1.77E-08	5.99E-08	3.49E-08	1.07E-08	4.57E-08
1446	564068.3	4191332.86	4.19E-07	1.49E-07	5.67E-07	6.72E-08	2.33E-08	9.05E-08	3.96E-08	1.67E-08	5.63E-08	3.28E-08	1.01E-08	4.29E-08
1447	564066.12	4191323.44	3.96E-07	1.41E-07	5.36E-07	6.35E-08	2.20E-08	8.55E-08	3.75E-08	1.58E-08	5.32E-08	3.10E-08	9.55E-09	4.06E-08
1448	564272.41	4191603.31	1.29E-06	4.60E-07	1.75E-06	2.08E-07	7.21E-08	2.80E-07	1.23E-07	5.16E-08	1.74E-07	1.02E-07	3.12E-08	1.33E-07
1449	564282.26	4191604.83	1.28E-06	4.54E-07	1.73E-06	2.05E-07	7.11E-08	2.76E-07	1.21E-07	5.09E-08	1.72E-07	1.00E-07	3.08E-08	1.31E-07
1450	564292.12	4191606.34	1.26E-06	4.48E-07	1.71E-06	2.02E-07	7.01E-08	2.72E-07	1.19E-07	5.02E-08	1.69E-07	9.88E-08	3.04E-08	1.29E-07
1451	564301.97	4191607.85	1.24E-06	4.41E-07	1.68E-06	1.99E-07	6.91E-08	2.68E-07	1.18E-07	4.95E-08	1.67E-07	9.74E-08	3.00E-08	1.27E-07
1452	564262.73	4191608.2	1.25E-06	4.44E-07	1.69E-06	2.01E-07	6.96E-08	2.70E-07	1.18E-07	4.98E-08	1.68E-07	9.81E-08	3.02E-08	1.28E-07
1453	564254.56	4191603.2	1.29E-06	4.60E-07	1.75E-06	2.08E-07	7.20E-08	2.80E-07	1.22E-07	5.16E-08	1.74E-07	1.01E-07	3.12E-08	1.33E-07
1454	564246.39	4191598.2	1.34E-06	4.75E-07	1.81E-06	2.14E-07	7.44E-08	2.89E-07	1.26E-07	5.32E-08	1.80E-07	1.05E-07	3.22E-08	1.37E-07
1455	564238.23	4191593.2	1.38E-06	4.89E-07	1.86E-06	2.21E-07	7.65E-08	2.97E-07	1.30E-07	5.48E-08	1.85E-07	1.08E-07	3.32E-08	1.41E-07
1456	564230.06	4191588.2	1.41E-06	5.01E-07	1.91E-06	2.26E-07	7.85E-08	3.05E-07	1.33E-07	5.62E-08	1.90E-07	1.11E-07	3.40E-08	1.45E-07
1457	564221.9	4191583.2	1.44E-06	5.11E-07	1.95E-06	2.31E-07	8.01E-08	3.11E-07	1.36E-07	5.74E-08	1.94E-07	1.13E-07	3.47E-08	1.48E-07
1458	564213.73	4191578.2	1.46E-06	5.20E-07	1.98E-06	2.35E-07	8.14E-08	3.16E-07	1.38E-07	5.83E-08	1.97E-07	1.15E-07	3.53E-08	1.50E-07
1459	564205.57	4191573.2	1.48E-06	5.25E-07	2.00E-06	2.37E-07	8.23E-08	3.19E-07	1.40E-07	5.89E-08	1.99E-07	1.16E-07	3.57E-08	1.52E-07
1460	564197.4	4191568.2	1.48E-06	5.28E-07	2.01E-06	2.38E-07	8.27E-08	3.21E-07	1.41E-07	5.92E-08	2.00E-07	1.16E-07	3.58E-08	1.52E-07
1461	564189.24	4191563.2	1.48E-06	5.27E-07	2.01E-06	2.38E-07	8.25E-08	3.20E-07	1.40E-07	5.91E-08	1.99E-07	1.16E-07	3.58E-08	1.52E-07
1462	564181.07	4191558.21	1.47E-06	5.23E-07	1.99E-06	2.36E-07	8.19E-08	3.18E-07	1.39E-07	5.87E-08	1.98E-07	1.15E-07	3.55E-08	1.51E-07
1463	564123.92	4191523.21	1.17E-06	4.14E-07	1.58E-06	1.87E-07	6.49E-08	2.52E-07	1.10E-07	4.65E-08	1.57E-07	9.15E-08	2.81E-08	1.20E-07
1464	564115.75	4191518.21	1.10E-06	3.92E-07	1.50E-06	1.77E-07	6.14E-08	2.38E-07	1.04E-07	4.40E-08	1.48E-07	8.66E-08	2.66E-08	1.13E-07
1465	564107.59	4191513.21	1.04E-06	3.70E-07	1.41E-06	1.67E-07	5.80E-08	2.25E-07	9.86E-08	4.15E-08	1.40E-07	8.17E-08	2.51E-08	1.07E-07
1466	564097.26	4191498.89	9.62E-07	3.42E-07	1.30E-06	1.54E-07	5.36E-08	2.08E-07	9.11E-08	3.84E-08	1.29E-07	7.55E-08	2.32E-08	9.87E-08

1467	564095.1	4191489.56	9.41E-07	3.35E-07	1.28E-06	1.51E-07	5.24E-08	2.03E-07	8.91E-08	3.75E-08	1.27E-07	7.39E-08	2.27E-08	9.66E-08
1468	564092.95	4191480.23	9.18E-07	3.26E-07	1.24E-06	1.47E-07	5.11E-08	1.98E-07	8.69E-08	3.66E-08	1.24E-07	7.20E-08	2.22E-08	9.42E-08
1469	564090.79	4191470.9	8.92E-07	3.17E-07	1.21E-06	1.43E-07	4.97E-08	1.93E-07	8.45E-08	3.56E-08	1.20E-07	7.00E-08	2.15E-08	9.15E-08
1470	564088.63	4191461.58	8.64E-07	3.07E-07	1.17E-06	1.39E-07	4.81E-08	1.87E-07	8.18E-08	3.45E-08	1.16E-07	6.78E-08	2.09E-08	8.87E-08
1471	564086.47	4191452.25	8.34E-07	2.96E-07	1.13E-06	1.34E-07	4.64E-08	1.80E-07	7.90E-08	3.33E-08	1.12E-07	6.55E-08	2.01E-08	8.56E-08
1472	564084.31	4191442.92	8.02E-07	2.85E-07	1.09E-06	1.29E-07	4.46E-08	1.73E-07	7.59E-08	3.20E-08	1.08E-07	6.29E-08	1.94E-08	8.23E-08
1473	564082.15	4191433.59	7.67E-07	2.73E-07	1.04E-06	1.23E-07	4.27E-08	1.66E-07	7.26E-08	3.06E-08	1.03E-07	6.02E-08	1.85E-08	7.87E-08
1474	564079.99	4191424.27	7.29E-07	2.59E-07	9.89E-07	1.17E-07	4.06E-08	1.58E-07	6.90E-08	2.91E-08	9.81E-08	5.72E-08	1.76E-08	7.48E-08
1475	564077.83	4191414.94	6.91E-07	2.45E-07	9.36E-07	1.11E-07	3.84E-08	1.49E-07	6.54E-08	2.75E-08	9.29E-08	5.42E-08	1.67E-08	7.08E-08
1476	564075.68	4191405.61	6.51E-07	2.31E-07	8.83E-07	1.04E-07	3.63E-08	1.41E-07	6.17E-08	2.60E-08	8.76E-08	5.11E-08	1.57E-08	6.68E-08
1477	564073.52	4191396.28	6.12E-07	2.18E-07	8.30E-07	9.83E-08	3.41E-08	1.32E-07	5.80E-08	2.44E-08	8.24E-08	4.80E-08	1.48E-08	6.28E-08
1478	564071.36	4191386.96	5.74E-07	2.04E-07	7.78E-07	9.21E-08	3.20E-08	1.24E-07	5.43E-08	2.29E-08	7.72E-08	4.50E-08	1.39E-08	5.89E-08
1479	564069.2	4191377.63	5.37E-07	1.91E-07	7.27E-07	8.61E-08	2.99E-08	1.16E-07	5.08E-08	2.14E-08	7.22E-08	4.21E-08	1.30E-08	5.51E-08
1480	564067.04	4191368.3	5.01E-07	1.78E-07	6.79E-07	8.04E-08	2.79E-08	1.08E-07	4.74E-08	2.00E-08	6.74E-08	3.93E-08	1.21E-08	5.14E-08
1481	564064.88	4191358.97	4.68E-07	1.66E-07	6.34E-07	7.51E-08	2.61E-08	1.01E-07	4.43E-08	1.87E-08	6.30E-08	3.67E-08	1.13E-08	4.80E-08
1482	564062.72	4191349.65	4.38E-07	1.56E-07	5.94E-07	7.03E-08	2.44E-08	9.46E-08	4.15E-08	1.75E-08	5.89E-08	3.44E-08	1.06E-08	4.49E-08
1483	564060.56	4191340.32	4.11E-07	1.46E-07	5.57E-07	6.60E-08	2.29E-08	8.89E-08	3.89E-08	1.64E-08	5.53E-08	3.23E-08	9.93E-09	4.22E-08
1484	564058.41	4191330.99	3.88E-07	1.38E-07	5.26E-07	6.22E-08	2.16E-08	8.38E-08	3.67E-08	1.55E-08	5.22E-08	3.04E-08	9.36E-09	3.98E-08
1485	564056.25	4191321.66	3.68E-07	1.31E-07	4.98E-07	5.90E-08	2.05E-08	7.95E-08	3.48E-08	1.47E-08	4.95E-08	2.89E-08	8.88E-09	3.77E-08
1486	564270.89	4191613.2	1.21E-06	4.29E-07	1.63E-06	1.94E-07	6.72E-08	2.61E-07	1.14E-07	4.81E-08	1.62E-07	9.46E-08	2.91E-08	1.24E-07
1487	564280.74	4191614.71	1.19E-06	4.23E-07	1.61E-06	1.91E-07	6.63E-08	2.57E-07	1.13E-07	4.75E-08	1.60E-07	9.34E-08	2.88E-08	1.22E-07
1488	564290.6	4191616.22	1.17E-06	4.17E-07	1.59E-06	1.88E-07	6.54E-08	2.54E-07	1.11E-07	4.68E-08	1.58E-07	9.21E-08	2.83E-08	1.20E-07
1489	564300.45	4191617.74	1.16E-06	4.12E-07	1.57E-06	1.86E-07	6.45E-08	2.50E-07	1.10E-07	4.62E-08	1.56E-07	9.08E-08	2.80E-08	1.19E-07
1490	564260.89	4191617.89	1.17E-06	4.15E-07	1.58E-06	1.87E-07	6.51E-08	2.53E-07	1.11E-07	4.66E-08	1.57E-07	9.17E-08	2.82E-08	1.20E-07
1491	564252.41	4191612.7	1.21E-06	4.30E-07	1.64E-06	1.94E-07	6.73E-08	2.61E-07	1.15E-07	4.82E-08	1.63E-07	9.49E-08	2.92E-08	1.24E-07
1492	564243.93	4191607.51	1.25E-06	4.44E-07	1.69E-06	2.00E-07	6.96E-08	2.70E-07	1.18E-07	4.98E-08	1.68E-07	9.80E-08	3.02E-08	1.28E-07
1493	564235.46	4191602.31	1.29E-06	4.57E-07	1.74E-06	2.07E-07	7.17E-08	2.78E-07	1.22E-07	5.13E-08	1.73E-07	1.01E-07	3.11E-08	1.32E-07
1494	564226.98	4191597.12	1.32E-06	4.69E-07	1.79E-06	2.12E-07	7.35E-08	2.85E-07	1.25E-07	5.26E-08	1.78E-07	1.04E-07	3.19E-08	1.35E-07
1495	564218.5	4191591.93	1.35E-06	4.79E-07	1.83E-06	2.16E-07	7.51E-08	2.91E-07	1.28E-07	5.37E-08	1.81E-07	1.06E-07	3.25E-08	1.38E-07
1496	564210.02	4191586.74	1.37E-06	4.87E-07	1.86E-06	2.20E-07	7.63E-08	2.96E-07	1.30E-07	5.46E-08	1.84E-07	1.08E-07	3.31E-08	1.41E-07
1497	564201.54	4191581.55	1.39E-06	4.93E-07	1.88E-06	2.22E-07	7.72E-08	3.00E-07	1.31E-07	5.53E-08	1.87E-07	1.09E-07	3.35E-08	1.42E-07
1498	564193.06	4191576.36	1.39E-06	4.95E-07	1.89E-06	2.24E-07	7.76E-08	3.01E-07	1.32E-07	5.56E-08	1.88E-07	1.09E-07	3.37E-08	1.43E-07
1499	564184.58	4191571.17	1.39E-06	4.95E-07	1.89E-06	2.23E-07	7.75E-08	3.01E-07	1.32E-07	5.55E-08	1.87E-07	1.09E-07	3.36E-08	1.43E-07
1500	564176.1	4191565.97	1.38E-06	4.91E-07	1.87E-06	2.22E-07	7.70E-08	2.99E-07	1.31E-07	5.51E-08	1.86E-07	1.08E-07	3.34E-08	1.42E-07
1501	564150.66	4191550.4	1.30E-06	4.62E-07	1.76E-06	2.08E-07	7.23E-08	2.81E-07	1.23E-07	5.18E-08	1.75E-07	1.02E-07	3.14E-08	1.33E-07
1502	564099.79	4191519.25	9.79E-07	3.48E-07	1.33E-06	1.57E-07	5.45E-08	2.12E-07	9.27E-08	3.90E-08	1.32E-07	7.68E-08	2.36E-08	1.00E-07
1503	564089.07	4191504.37	9.04E-07	3.21E-07	1.23E-06	1.45E-07	5.03E-08	1.95E-07	8.56E-08	3.60E-08	1.22E-07	7.09E-08	2.18E-08	9.27E-08
1504	564086.83	4191494.69	8.84E-07	3.14E-07	1.20E-06	1.42E-07	4.92E-08	1.91E-07	8.37E-08	3.52E-08	1.19E-07	6.93E-08	2.13E-08	9.07E-08
1505	564084.58	4191485	8.62E-07	3.06E-07	1.17E-06	1.38E-07	4.80E-08	1.86E-07	8.16E-08	3.44E-08	1.16E-07	6.76E-08	2.08E-08	8.84E-08
1506	564082.34	4191475.31	8.38E-07	2.98E-07	1.14E-06	1.34E-07	4.67E-08	1.81E-07	7.93E-08	3.34E-08	1.13E-07	6.57E-08	2.02E-08	8.60E-08
1507	564080.1	4191465.63	8.11E-07	2.88E-07	1.10E-06	1.30E-07	4.52E-08	1.75E-07	7.68E-08	3.23E-08	1.09E-07	6.37E-08	1.96E-08	8.32E-08
1508	564077.86	4191455.94	7.83E-07	2.78E-07	1.06E-06	1.26E-07	4.36E-08	1.69E-07	7.41E-08	3.12E-08	1.05E-07	6.14E-08	1.89E-08	8.03E-08

1509	564075.62	4191446.26	7.52E-07	2.67E-07	1.02E-06	1.21E-07	4.19E-08	1.63E-07	7.12E-08	3.00E-08	1.01E-07	5.90E-08	1.82E-08	7.71E-08
1510	564073.37	4191436.57	7.19E-07	2.56E-07	9.75E-07	1.15E-07	4.00E-08	1.55E-07	6.81E-08	2.87E-08	9.68E-08	5.64E-08	1.74E-08	7.38E-08
1511	564071.13	4191426.88	6.84E-07	2.43E-07	9.27E-07	1.10E-07	3.81E-08	1.48E-07	6.48E-08	2.73E-08	9.20E-08	5.37E-08	1.65E-08	7.02E-08
1512	564068.89	4191417.2	6.48E-07	2.30E-07	8.78E-07	1.04E-07	3.61E-08	1.40E-07	6.13E-08	2.58E-08	8.72E-08	5.08E-08	1.56E-08	6.65E-08
1513	564066.65	4191407.51	6.11E-07	2.17E-07	8.28E-07	9.80E-08	3.40E-08	1.32E-07	5.78E-08	2.44E-08	8.22E-08	4.79E-08	1.47E-08	6.27E-08
1514	564064.41	4191397.82	5.74E-07	2.04E-07	7.78E-07	9.21E-08	3.19E-08	1.24E-07	5.43E-08	2.29E-08	7.72E-08	4.50E-08	1.39E-08	5.89E-08
1515	564062.17	4191388.14	5.37E-07	1.91E-07	7.28E-07	8.62E-08	2.99E-08	1.16E-07	5.09E-08	2.14E-08	7.23E-08	4.21E-08	1.30E-08	5.51E-08
1516	564059.92	4191378.45	5.01E-07	1.78E-07	6.80E-07	8.05E-08	2.79E-08	1.08E-07	4.75E-08	2.00E-08	6.75E-08	3.93E-08	1.21E-08	5.14E-08
1517	564057.68	4191368.77	4.68E-07	1.66E-07	6.35E-07	7.51E-08	2.61E-08	1.01E-07	4.43E-08	1.87E-08	6.30E-08	3.67E-08	1.13E-08	4.80E-08
1518	564055.44	4191359.08	4.37E-07	1.55E-07	5.93E-07	7.02E-08	2.43E-08	9.45E-08	4.14E-08	1.74E-08	5.88E-08	3.43E-08	1.06E-08	4.49E-08
1519	564053.2	4191349.39	4.09E-07	1.45E-07	5.55E-07	6.57E-08	2.28E-08	8.84E-08	3.87E-08	1.63E-08	5.51E-08	3.21E-08	9.88E-09	4.20E-08
1520	564050.96	4191339.71	3.84E-07	1.37E-07	5.21E-07	6.16E-08	2.14E-08	8.30E-08	3.64E-08	1.53E-08	5.17E-08	3.01E-08	9.27E-09	3.94E-08
1521	564048.72	4191330.02	3.62E-07	1.29E-07	4.91E-07	5.81E-08	2.02E-08	7.82E-08	3.43E-08	1.44E-08	4.87E-08	2.84E-08	8.74E-09	3.71E-08
1522	564046.47	4191320.33	3.43E-07	1.22E-07	4.65E-07	5.50E-08	1.91E-08	7.41E-08	3.25E-08	1.37E-08	4.61E-08	2.69E-08	8.28E-09	3.52E-08
1523	564269.37	4191623.08	1.13E-06	4.01E-07	1.53E-06	1.81E-07	6.27E-08	2.44E-07	1.07E-07	4.49E-08	1.52E-07	8.84E-08	2.72E-08	1.16E-07
1524	564279.23	4191624.59	1.11E-06	3.96E-07	1.51E-06	1.79E-07	6.20E-08	2.41E-07	1.05E-07	4.44E-08	1.50E-07	8.73E-08	2.69E-08	1.14E-07
1525	564289.08	4191626.11	1.10E-06	3.90E-07	1.49E-06	1.76E-07	6.11E-08	2.37E-07	1.04E-07	4.38E-08	1.48E-07	8.61E-08	2.65E-08	1.13E-07
1526	564298.93	4191627.62	1.08E-06	3.85E-07	1.47E-06	1.74E-07	6.03E-08	2.34E-07	1.02E-07	4.32E-08	1.46E-07	8.49E-08	2.61E-08	1.11E-07
1527	564259.46	4191627.83	1.09E-06	3.88E-07	1.48E-06	1.75E-07	6.08E-08	2.36E-07	1.03E-07	4.36E-08	1.47E-07	8.57E-08	2.64E-08	1.12E-07
1528	564251.07	4191622.69	1.13E-06	4.02E-07	1.53E-06	1.81E-07	6.29E-08	2.44E-07	1.07E-07	4.50E-08	1.52E-07	8.87E-08	2.73E-08	1.16E-07
1529	564242.67	4191617.55	1.17E-06	4.15E-07	1.58E-06	1.87E-07	6.50E-08	2.52E-07	1.10E-07	4.65E-08	1.57E-07	9.15E-08	2.82E-08	1.20E-07
1530	564234.28	4191612.41	1.20E-06	4.27E-07	1.63E-06	1.93E-07	6.69E-08	2.60E-07	1.14E-07	4.79E-08	1.62E-07	9.43E-08	2.90E-08	1.23E-07
1531	564225.89	4191607.27	1.23E-06	4.38E-07	1.67E-06	1.98E-07	6.86E-08	2.66E-07	1.17E-07	4.91E-08	1.66E-07	9.67E-08	2.97E-08	1.26E-07
1532	564217.49	4191602.13	1.26E-06	4.48E-07	1.71E-06	2.02E-07	7.01E-08	2.72E-07	1.19E-07	5.02E-08	1.69E-07	9.88E-08	3.04E-08	1.29E-07
1533	564209.1	4191596.99	1.28E-06	4.56E-07	1.74E-06	2.06E-07	7.14E-08	2.77E-07	1.21E-07	5.11E-08	1.72E-07	1.01E-07	3.09E-08	1.32E-07
1534	564200.71	4191591.85	1.30E-06	4.62E-07	1.76E-06	2.08E-07	7.23E-08	2.81E-07	1.23E-07	5.18E-08	1.75E-07	1.02E-07	3.14E-08	1.33E-07
1535	564192.31	4191586.71	1.31E-06	4.65E-07	1.77E-06	2.10E-07	7.29E-08	2.83E-07	1.24E-07	5.22E-08	1.76E-07	1.03E-07	3.16E-08	1.34E-07
1536	564183.92	4191581.57	1.31E-06	4.66E-07	1.78E-06	2.11E-07	7.31E-08	2.84E-07	1.24E-07	5.23E-08	1.77E-07	1.03E-07	3.17E-08	1.35E-07
1537	564175.52	4191576.44	1.31E-06	4.65E-07	1.77E-06	2.10E-07	7.28E-08	2.83E-07	1.24E-07	5.21E-08	1.76E-07	1.03E-07	3.16E-08	1.34E-07
1538	564150.34	4191561.02	1.25E-06	4.43E-07	1.69E-06	2.00E-07	6.94E-08	2.69E-07	1.18E-07	4.97E-08	1.68E-07	9.78E-08	3.01E-08	1.28E-07
1539	564141.95	4191555.88	1.21E-06	4.31E-07	1.64E-06	1.94E-07	6.75E-08	2.62E-07	1.15E-07	4.83E-08	1.63E-07	9.51E-08	2.93E-08	1.24E-07
1540	564133.56	4191550.74	1.17E-06	4.16E-07	1.59E-06	1.88E-07	6.52E-08	2.53E-07	1.11E-07	4.67E-08	1.58E-07	9.19E-08	2.83E-08	1.20E-07
1541	564125.16	4191545.6	1.13E-06	4.00E-07	1.53E-06	1.81E-07	6.27E-08	2.43E-07	1.07E-07	4.49E-08	1.51E-07	8.83E-08	2.72E-08	1.15E-07
1542	564080.98	4191510.32	8.52E-07	3.03E-07	1.16E-06	1.37E-07	4.74E-08	1.84E-07	8.07E-08	3.40E-08	1.15E-07	6.69E-08	2.06E-08	8.74E-08
1543	564078.76	4191500.73	8.34E-07	2.96E-07	1.13E-06	1.34E-07	4.64E-08	1.80E-07	7.90E-08	3.33E-08	1.12E-07	6.54E-08	2.01E-08	8.56E-08
1544	564076.54	4191491.14	8.14E-07	2.89E-07	1.10E-06	1.31E-07	4.53E-08	1.76E-07	7.71E-08	3.25E-08	1.10E-07	6.39E-08	1.97E-08	8.36E-08
1545	564074.32	4191481.55	7.93E-07	2.82E-07	1.07E-06	1.27E-07	4.41E-08	1.71E-07	7.51E-08	3.16E-08	1.07E-07	6.22E-08	1.91E-08	8.13E-08
1546	564072.1	4191471.96	7.69E-07	2.73E-07	1.04E-06	1.23E-07	4.28E-08	1.66E-07	7.28E-08	3.07E-08	1.03E-07	6.03E-08	1.86E-08	7.89E-08
1547	564069.88	4191462.38	7.43E-07	2.64E-07	1.01E-06	1.19E-07	4.14E-08	1.61E-07	7.04E-08	2.96E-08	1.00E-07	5.83E-08	1.79E-08	7.62E-08
1548	564067.66	4191452.79	7.16E-07	2.54E-07	9.70E-07	1.15E-07	3.99E-08	1.55E-07	6.78E-08	2.85E-08	9.63E-08	5.62E-08	1.73E-08	7.35E-08
1549	564065.44	4191443.2	6.87E-07	2.44E-07	9.31E-07	1.10E-07	3.83E-08	1.48E-07	6.50E-08	2.74E-08	9.24E-08	5.39E-08	1.66E-08	7.05E-08
1550	564063.22	4191433.61	6.57E-07	2.33E-07	8.90E-07	1.05E-07	3.65E-08	1.42E-07	6.22E-08	2.62E-08	8.83E-08	5.15E-08	1.58E-08	6.74E-08

1551	564061	4191424.02	6.24E-07	2.22E-07	8.46E-07	1.00E-07	3.48E-08	1.35E-07	5.91E-08	2.49E-08	8.40E-08	4.90E-08	1.51E-08	6.41E-08
1552	564058.79	4191414.43	5.92E-07	2.10E-07	8.02E-07	9.49E-08	3.29E-08	1.28E-07	5.60E-08	2.36E-08	7.96E-08	4.64E-08	1.43E-08	6.07E-08
1553	564056.57	4191404.84	5.58E-07	1.98E-07	7.57E-07	8.96E-08	3.11E-08	1.21E-07	5.29E-08	2.23E-08	7.51E-08	4.38E-08	1.35E-08	5.73E-08
1554	564054.35	4191395.26	5.25E-07	1.86E-07	7.11E-07	8.42E-08	2.92E-08	1.13E-07	4.97E-08	2.09E-08	7.06E-08	4.12E-08	1.27E-08	5.38E-08
1555	564052.13	4191385.67	4.92E-07	1.75E-07	6.66E-07	7.89E-08	2.74E-08	1.06E-07	4.65E-08	1.96E-08	6.61E-08	3.86E-08	1.19E-08	5.04E-08
1556	564049.91	4191376.08	4.60E-07	1.63E-07	6.23E-07	7.38E-08	2.56E-08	9.94E-08	4.35E-08	1.83E-08	6.19E-08	3.61E-08	1.11E-08	4.72E-08
1557	564047.69	4191366.49	4.31E-07	1.53E-07	5.84E-07	6.91E-08	2.40E-08	9.30E-08	4.08E-08	1.72E-08	5.79E-08	3.38E-08	1.04E-08	4.42E-08
1558	564045.47	4191356.9	4.03E-07	1.43E-07	5.47E-07	6.47E-08	2.25E-08	8.72E-08	3.82E-08	1.61E-08	5.43E-08	3.16E-08	9.74E-09	4.14E-08
1559	564043.25	4191347.31	3.78E-07	1.34E-07	5.13E-07	6.07E-08	2.11E-08	8.17E-08	3.58E-08	1.51E-08	5.09E-08	2.97E-08	9.13E-09	3.88E-08
1560	564041.03	4191337.73	3.56E-07	1.27E-07	4.83E-07	5.71E-08	1.98E-08	7.69E-08	3.37E-08	1.42E-08	4.79E-08	2.79E-08	8.59E-09	3.65E-08
1561	564038.81	4191328.14	3.36E-07	1.20E-07	4.56E-07	5.40E-08	1.87E-08	7.27E-08	3.18E-08	1.34E-08	4.53E-08	2.64E-08	8.12E-09	3.45E-08
1562	564036.59	4191318.55	3.20E-07	1.14E-07	4.33E-07	5.13E-08	1.78E-08	6.91E-08	3.03E-08	1.27E-08	4.30E-08	2.51E-08	7.72E-09	3.28E-08
1563	564267.85	4191632.96	1.06E-06	3.75E-07	1.43E-06	1.69E-07	5.88E-08	2.28E-07	9.99E-08	4.21E-08	1.42E-07	8.28E-08	2.55E-08	1.08E-07
1564	564277.71	4191634.48	1.04E-06	3.71E-07	1.41E-06	1.67E-07	5.80E-08	2.25E-07	9.87E-08	4.16E-08	1.40E-07	8.18E-08	2.52E-08	1.07E-07
1565	564287.56	4191635.99	1.03E-06	3.66E-07	1.39E-06	1.65E-07	5.73E-08	2.22E-07	9.74E-08	4.10E-08	1.38E-07	8.07E-08	2.48E-08	1.06E-07
1566	564297.41	4191637.5	1.01E-06	3.60E-07	1.37E-06	1.63E-07	5.65E-08	2.19E-07	9.60E-08	4.04E-08	1.36E-07	7.96E-08	2.45E-08	1.04E-07
1567	564258.02	4191637.76	1.02E-06	3.64E-07	1.39E-06	1.64E-07	5.70E-08	2.21E-07	9.69E-08	4.08E-08	1.38E-07	8.03E-08	2.47E-08	1.05E-07
1568	564249.71	4191632.67	1.06E-06	3.76E-07	1.43E-06	1.70E-07	5.89E-08	2.29E-07	1.00E-07	4.22E-08	1.42E-07	8.30E-08	2.55E-08	1.09E-07
1569	564241.39	4191627.58	1.09E-06	3.88E-07	1.48E-06	1.75E-07	6.07E-08	2.36E-07	1.03E-07	4.35E-08	1.47E-07	8.56E-08	2.63E-08	1.12E-07
1570	564233.07	4191622.48	1.12E-06	3.99E-07	1.52E-06	1.80E-07	6.25E-08	2.43E-07	1.06E-07	4.48E-08	1.51E-07	8.81E-08	2.71E-08	1.15E-07
1571	564224.76	4191617.39	1.15E-06	4.10E-07	1.56E-06	1.85E-07	6.42E-08	2.49E-07	1.09E-07	4.60E-08	1.55E-07	9.04E-08	2.78E-08	1.18E-07
1572	564216.44	4191612.3	1.18E-06	4.19E-07	1.60E-06	1.89E-07	6.56E-08	2.55E-07	1.12E-07	4.70E-08	1.59E-07	9.25E-08	2.84E-08	1.21E-07
1573	564208.13	4191607.21	1.20E-06	4.27E-07	1.63E-06	1.93E-07	6.68E-08	2.59E-07	1.14E-07	4.79E-08	1.62E-07	9.42E-08	2.90E-08	1.23E-07
1574	564199.81	4191602.12	1.22E-06	4.33E-07	1.65E-06	1.95E-07	6.78E-08	2.63E-07	1.15E-07	4.86E-08	1.64E-07	9.56E-08	2.94E-08	1.25E-07
1575	564191.5	4191597.03	1.23E-06	4.37E-07	1.67E-06	1.97E-07	6.85E-08	2.66E-07	1.17E-07	4.91E-08	1.66E-07	9.66E-08	2.97E-08	1.26E-07
1576	564183.18	4191591.94	1.24E-06	4.40E-07	1.68E-06	1.98E-07	6.88E-08	2.67E-07	1.17E-07	4.93E-08	1.66E-07	9.70E-08	2.99E-08	1.27E-07
1577	564174.87	4191586.85	1.24E-06	4.39E-07	1.68E-06	1.98E-07	6.88E-08	2.67E-07	1.17E-07	4.93E-08	1.66E-07	9.70E-08	2.98E-08	1.27E-07
1578	564149.92	4191571.57	1.19E-06	4.24E-07	1.62E-06	1.91E-07	6.64E-08	2.58E-07	1.13E-07	4.76E-08	1.61E-07	9.36E-08	2.88E-08	1.22E-07
1579	564141.61	4191566.48	1.17E-06	4.14E-07	1.58E-06	1.87E-07	6.49E-08	2.52E-07	1.10E-07	4.65E-08	1.57E-07	9.15E-08	2.81E-08	1.20E-07
1580	564133.29	4191561.39	1.13E-06	4.03E-07	1.54E-06	1.82E-07	6.31E-08	2.45E-07	1.07E-07	4.52E-08	1.52E-07	8.89E-08	2.73E-08	1.16E-07
1581	564124.97	4191556.3	1.09E-06	3.89E-07	1.48E-06	1.76E-07	6.09E-08	2.37E-07	1.04E-07	4.36E-08	1.47E-07	8.59E-08	2.64E-08	1.12E-07
1582	564116.66	4191551.21	1.05E-06	3.74E-07	1.43E-06	1.69E-07	5.86E-08	2.27E-07	9.96E-08	4.20E-08	1.42E-07	8.26E-08	2.54E-08	1.08E-07
1583	564108.34	4191546.12	1.01E-06	3.58E-07	1.37E-06	1.62E-07	5.61E-08	2.18E-07	9.54E-08	4.02E-08	1.36E-07	7.91E-08	2.43E-08	1.03E-07
1584	564100.03	4191541.03	9.62E-07	3.42E-07	1.30E-06	1.54E-07	5.35E-08	2.08E-07	9.10E-08	3.83E-08	1.29E-07	7.55E-08	2.32E-08	9.87E-08
1585	564091.71	4191535.93	9.14E-07	3.25E-07	1.24E-06	1.47E-07	5.09E-08	1.98E-07	8.66E-08	3.65E-08	1.23E-07	7.17E-08	2.21E-08	9.38E-08
1586	564072.88	4191516.25	8.05E-07	2.86E-07	1.09E-06	1.29E-07	4.48E-08	1.74E-07	7.62E-08	3.21E-08	1.08E-07	6.32E-08	1.94E-08	8.26E-08
1587	564070.69	4191506.75	7.89E-07	2.80E-07	1.07E-06	1.27E-07	4.39E-08	1.71E-07	7.47E-08	3.15E-08	1.06E-07	6.19E-08	1.90E-08	8.10E-08
1588	564068.49	4191497.25	7.71E-07	2.74E-07	1.05E-06	1.24E-07	4.29E-08	1.67E-07	7.30E-08	3.07E-08	1.04E-07	6.05E-08	1.86E-08	7.91E-08
1589	564066.29	4191487.76	7.52E-07	2.67E-07	1.02E-06	1.21E-07	4.18E-08	1.62E-07	7.11E-08	3.00E-08	1.01E-07	5.90E-08	1.81E-08	7.71E-08
1590	564064.09	4191478.26	7.30E-07	2.59E-07	9.89E-07	1.17E-07	4.06E-08	1.58E-07	6.91E-08	2.91E-08	9.82E-08	5.73E-08	1.76E-08	7.49E-08
1591	564061.89	4191468.76	7.07E-07	2.51E-07	9.58E-07	1.13E-07	3.93E-08	1.53E-07	6.69E-08	2.82E-08	9.51E-08	5.54E-08	1.71E-08	7.25E-08
1592	564059.69	4191459.26	6.82E-07	2.42E-07	9.25E-07	1.09E-07	3.80E-08	1.47E-07	6.46E-08	2.72E-08	9.18E-08	5.35E-08	1.65E-08	7.00E-08

1593	564057.5	4191449.76	6.57E-07	2.33E-07	8.90E-07	1.05E-07	3.66E-08	1.42E-07	6.22E-08	2.62E-08	8.83E-08	5.15E-08	1.59E-08	6.74E-08
1594	564055.3	4191440.26	6.30E-07	2.24E-07	8.53E-07	1.01E-07	3.50E-08	1.36E-07	5.96E-08	2.51E-08	8.47E-08	4.94E-08	1.52E-08	6.46E-08
1595	564053.1	4191430.76	6.01E-07	2.14E-07	8.15E-07	9.65E-08	3.35E-08	1.30E-07	5.69E-08	2.40E-08	8.09E-08	4.72E-08	1.45E-08	6.17E-08
1596	564050.9	4191421.26	5.72E-07	2.03E-07	7.75E-07	9.18E-08	3.18E-08	1.24E-07	5.42E-08	2.28E-08	7.70E-08	4.49E-08	1.38E-08	5.87E-08
1597	564048.7	4191411.76	5.42E-07	1.93E-07	7.35E-07	8.70E-08	3.02E-08	1.17E-07	5.13E-08	2.16E-08	7.29E-08	4.25E-08	1.31E-08	5.56E-08
1598	564046.5	4191402.26	5.12E-07	1.82E-07	6.93E-07	8.21E-08	2.85E-08	1.11E-07	4.84E-08	2.04E-08	6.88E-08	4.01E-08	1.23E-08	5.25E-08
1599	564044.3	4191392.77	4.81E-07	1.71E-07	6.52E-07	7.72E-08	2.68E-08	1.04E-07	4.56E-08	1.92E-08	6.47E-08	3.78E-08	1.16E-08	4.94E-08
1600	564042.11	4191383.27	4.52E-07	1.61E-07	6.12E-07	7.25E-08	2.52E-08	9.76E-08	4.28E-08	1.80E-08	6.08E-08	3.54E-08	1.09E-08	4.64E-08
1601	564039.91	4191373.77	4.24E-07	1.51E-07	5.74E-07	6.80E-08	2.36E-08	9.16E-08	4.01E-08	1.69E-08	5.70E-08	3.33E-08	1.02E-08	4.35E-08
1602	564037.71	4191364.27	3.98E-07	1.41E-07	5.39E-07	6.38E-08	2.21E-08	8.59E-08	3.76E-08	1.58E-08	5.35E-08	3.12E-08	9.60E-09	4.08E-08
1603	564035.51	4191354.77	3.73E-07	1.33E-07	5.06E-07	5.98E-08	2.08E-08	8.06E-08	3.53E-08	1.49E-08	5.02E-08	2.93E-08	9.00E-09	3.83E-08
1604	564033.31	4191345.27	3.51E-07	1.25E-07	4.75E-07	5.62E-08	1.95E-08	7.58E-08	3.32E-08	1.40E-08	4.72E-08	2.75E-08	8.46E-09	3.60E-08
1605	564031.11	4191335.77	3.31E-07	1.18E-07	4.49E-07	5.31E-08	1.84E-08	7.15E-08	3.13E-08	1.32E-08	4.45E-08	2.60E-08	7.99E-09	3.40E-08
1606	564028.92	4191326.27	3.14E-07	1.11E-07	4.25E-07	5.03E-08	1.75E-08	6.78E-08	2.97E-08	1.25E-08	4.22E-08	2.46E-08	7.57E-09	3.22E-08
1607	564026.72	4191316.77	2.99E-07	1.06E-07	4.05E-07	4.79E-08	1.66E-08	6.46E-08	2.83E-08	1.19E-08	4.02E-08	2.34E-08	7.21E-09	3.06E-08
1608	564266.34	4191642.85	9.91E-07	3.52E-07	1.34E-06	1.59E-07	5.52E-08	2.14E-07	9.38E-08	3.95E-08	1.33E-07	7.77E-08	2.39E-08	1.02E-07
1609	564276.19	4191644.36	9.79E-07	3.48E-07	1.33E-06	1.57E-07	5.45E-08	2.12E-07	9.27E-08	3.90E-08	1.32E-07	7.68E-08	2.36E-08	1.00E-07
1610	564286.04	4191645.88	9.66E-07	3.43E-07	1.31E-06	1.55E-07	5.38E-08	2.09E-07	9.14E-08	3.85E-08	1.30E-07	7.58E-08	2.33E-08	9.91E-08
1611	564295.9	4191647.39	9.53E-07	3.39E-07	1.29E-06	1.53E-07	5.30E-08	2.06E-07	9.02E-08	3.80E-08	1.28E-07	7.47E-08	2.30E-08	9.77E-08
1612	564256.57	4191647.69	9.62E-07	3.42E-07	1.30E-06	1.54E-07	5.35E-08	2.08E-07	9.11E-08	3.83E-08	1.29E-07	7.55E-08	2.32E-08	9.87E-08
1613	564248.33	4191642.64	9.92E-07	3.52E-07	1.34E-06	1.59E-07	5.52E-08	2.14E-07	9.39E-08	3.95E-08	1.33E-07	7.78E-08	2.39E-08	1.02E-07
1614	564240.09	4191637.59	1.02E-06	3.63E-07	1.39E-06	1.64E-07	5.69E-08	2.21E-07	9.68E-08	4.07E-08	1.38E-07	8.02E-08	2.47E-08	1.05E-07
1615	564231.84	4191632.54	1.05E-06	3.74E-07	1.43E-06	1.69E-07	5.86E-08	2.27E-07	9.96E-08	4.19E-08	1.42E-07	8.25E-08	2.54E-08	1.08E-07
1616	564223.6	4191627.5	1.08E-06	3.84E-07	1.46E-06	1.73E-07	6.01E-08	2.33E-07	1.02E-07	4.30E-08	1.45E-07	8.47E-08	2.61E-08	1.11E-07
1617	564215.36	4191622.45	1.11E-06	3.93E-07	1.50E-06	1.77E-07	6.15E-08	2.39E-07	1.05E-07	4.41E-08	1.49E-07	8.67E-08	2.67E-08	1.13E-07
1618	564207.11	4191617.4	1.13E-06	4.00E-07	1.53E-06	1.81E-07	6.27E-08	2.43E-07	1.07E-07	4.49E-08	1.52E-07	8.84E-08	2.72E-08	1.16E-07
1619	564198.87	4191612.35	1.14E-06	4.07E-07	1.55E-06	1.84E-07	6.37E-08	2.47E-07	1.08E-07	4.56E-08	1.54E-07	8.98E-08	2.76E-08	1.17E-07
1620	564190.62	4191607.31	1.16E-06	4.12E-07	1.57E-06	1.86E-07	6.45E-08	2.50E-07	1.10E-07	4.62E-08	1.56E-07	9.09E-08	2.80E-08	1.19E-07
1621	564182.38	4191602.26	1.17E-06	4.14E-07	1.58E-06	1.87E-07	6.49E-08	2.52E-07	1.10E-07	4.65E-08	1.57E-07	9.15E-08	2.81E-08	1.20E-07
1622	564174.14	4191597.21	1.17E-06	4.15E-07	1.58E-06	1.87E-07	6.51E-08	2.53E-07	1.11E-07	4.66E-08	1.57E-07	9.17E-08	2.82E-08	1.20E-07
1623	564149.41	4191582.07	1.14E-06	4.05E-07	1.55E-06	1.83E-07	6.35E-08	2.46E-07	1.08E-07	4.55E-08	1.53E-07	8.95E-08	2.75E-08	1.17E-07
1624	564141.16	4191577.02	1.12E-06	3.98E-07	1.52E-06	1.80E-07	6.23E-08	2.42E-07	1.06E-07	4.46E-08	1.51E-07	8.78E-08	2.70E-08	1.15E-07
1625	564132.92	4191571.98	1.09E-06	3.88E-07	1.48E-06	1.75E-07	6.09E-08	2.36E-07	1.03E-07	4.36E-08	1.47E-07	8.58E-08	2.64E-08	1.12E-07
1626	564124.68	4191566.93	1.06E-06	3.77E-07	1.44E-06	1.70E-07	5.91E-08	2.29E-07	1.01E-07	4.23E-08	1.43E-07	8.33E-08	2.56E-08	1.09E-07
1627	564116.43	4191561.88	1.03E-06	3.65E-07	1.39E-06	1.65E-07	5.71E-08	2.22E-07	9.71E-08	4.09E-08	1.38E-07	8.05E-08	2.48E-08	1.05E-07
1628	564108.19	4191556.83	9.87E-07	3.51E-07	1.34E-06	1.58E-07	5.50E-08	2.13E-07	9.35E-08	3.94E-08	1.33E-07	7.75E-08	2.38E-08	1.01E-07
1629	564099.94	4191551.79	9.47E-07	3.36E-07	1.28E-06	1.52E-07	5.27E-08	2.05E-07	8.96E-08	3.77E-08	1.27E-07	7.43E-08	2.29E-08	9.71E-08
1630	564091.7	4191546.74	9.04E-07	3.21E-07	1.23E-06	1.45E-07	5.04E-08	1.95E-07	8.56E-08	3.61E-08	1.22E-07	7.10E-08	2.18E-08	9.28E-08
1631	564083.46	4191541.69	8.61E-07	3.06E-07	1.17E-06	1.38E-07	4.80E-08	1.86E-07	8.15E-08	3.43E-08	1.16E-07	6.76E-08	2.08E-08	8.84E-08
1632	564075.21	4191536.65	8.17E-07	2.90E-07	1.11E-06	1.31E-07	4.55E-08	1.77E-07	7.74E-08	3.26E-08	1.10E-07	6.41E-08	1.97E-08	8.38E-08
1633	564062.61	4191512.76	7.47E-07	2.66E-07	1.01E-06	1.20E-07	4.16E-08	1.61E-07	7.07E-08	2.98E-08	1.01E-07	5.86E-08	1.80E-08	7.67E-08
1634	564060.43	4191503.35	7.31E-07	2.60E-07	9.91E-07	1.17E-07	4.07E-08	1.58E-07	6.92E-08	2.92E-08	9.84E-08	5.74E-08	1.77E-08	7.50E-08

1635	564058.25	4191493.93	7.14E-07	2.54E-07	9.68E-07	1.15E-07	3.97E-08	1.54E-07	6.76E-08	2.85E-08	9.60E-08	5.60E-08	1.72E-08	7.32E-08
1636	564056.07	4191484.51	6.94E-07	2.47E-07	9.41E-07	1.11E-07	3.87E-08	1.50E-07	6.57E-08	2.77E-08	9.34E-08	5.45E-08	1.68E-08	7.12E-08
1637	564053.89	4191475.1	6.73E-07	2.39E-07	9.12E-07	1.08E-07	3.75E-08	1.45E-07	6.37E-08	2.68E-08	9.06E-08	5.28E-08	1.62E-08	6.91E-08
1638	564051.71	4191465.68	6.51E-07	2.31E-07	8.82E-07	1.04E-07	3.62E-08	1.41E-07	6.16E-08	2.59E-08	8.75E-08	5.11E-08	1.57E-08	6.68E-08
1639	564049.53	4191456.26	6.28E-07	2.23E-07	8.51E-07	1.01E-07	3.50E-08	1.36E-07	5.95E-08	2.50E-08	8.45E-08	4.93E-08	1.52E-08	6.44E-08
1640	564047.35	4191446.84	6.04E-07	2.15E-07	8.19E-07	9.69E-08	3.36E-08	1.31E-07	5.72E-08	2.41E-08	8.13E-08	4.74E-08	1.46E-08	6.20E-08
1641	564045.17	4191437.43	5.79E-07	2.06E-07	7.85E-07	9.29E-08	3.22E-08	1.25E-07	5.48E-08	2.31E-08	7.79E-08	4.54E-08	1.40E-08	5.94E-08
1642	564043	4191428.01	5.53E-07	1.96E-07	7.49E-07	8.87E-08	3.08E-08	1.19E-07	5.23E-08	2.20E-08	7.44E-08	4.34E-08	1.33E-08	5.67E-08
1643	564040.82	4191418.59	5.26E-07	1.87E-07	7.12E-07	8.43E-08	2.93E-08	1.14E-07	4.97E-08	2.09E-08	7.07E-08	4.12E-08	1.27E-08	5.39E-08
1644	564038.64	4191409.17	4.98E-07	1.77E-07	6.75E-07	7.99E-08	2.77E-08	1.08E-07	4.71E-08	1.98E-08	6.70E-08	3.91E-08	1.20E-08	5.11E-08
1645	564036.46	4191399.76	4.70E-07	1.67E-07	6.37E-07	7.54E-08	2.62E-08	1.02E-07	4.45E-08	1.87E-08	6.32E-08	3.69E-08	1.13E-08	4.82E-08
1646	564034.28	4191390.34	4.43E-07	1.57E-07	6.00E-07	7.11E-08	2.47E-08	9.57E-08	4.19E-08	1.77E-08	5.96E-08	3.48E-08	1.07E-08	4.54E-08
1647	564032.1	4191380.92	4.17E-07	1.48E-07	5.65E-07	6.69E-08	2.32E-08	9.01E-08	3.95E-08	1.66E-08	5.61E-08	3.27E-08	1.01E-08	4.28E-08
1648	564029.92	4191371.51	3.92E-07	1.39E-07	5.31E-07	6.29E-08	2.18E-08	8.47E-08	3.71E-08	1.56E-08	5.27E-08	3.07E-08	9.46E-09	4.02E-08
1649	564027.74	4191362.09	3.68E-07	1.31E-07	4.99E-07	5.91E-08	2.05E-08	7.96E-08	3.49E-08	1.47E-08	4.95E-08	2.89E-08	8.89E-09	3.78E-08
1650	564025.56	4191352.67	3.46E-07	1.23E-07	4.69E-07	5.55E-08	1.93E-08	7.48E-08	3.28E-08	1.38E-08	4.66E-08	2.72E-08	8.35E-09	3.55E-08
1651	564023.38	4191343.25	3.26E-07	1.16E-07	4.42E-07	5.23E-08	1.82E-08	7.05E-08	3.09E-08	1.30E-08	4.39E-08	2.56E-08	7.87E-09	3.35E-08
1652	564021.2	4191333.84	3.09E-07	1.10E-07	4.18E-07	4.95E-08	1.72E-08	6.67E-08	2.92E-08	1.23E-08	4.15E-08	2.42E-08	7.45E-09	3.17E-08
1653	564019.02	4191324.42	2.93E-07	1.04E-07	3.98E-07	4.71E-08	1.63E-08	6.34E-08	2.78E-08	1.17E-08	3.95E-08	2.30E-08	7.08E-09	3.01E-08
1654	564016.84	4191315	2.80E-07	9.96E-08	3.80E-07	4.50E-08	1.56E-08	6.06E-08	2.65E-08	1.12E-08	3.77E-08	2.20E-08	6.76E-09	2.88E-08
1655	564264.82	4191652.73	9.32E-07	3.31E-07	1.26E-06	1.50E-07	5.19E-08	2.01E-07	8.82E-08	3.72E-08	1.25E-07	7.31E-08	2.25E-08	9.56E-08
1656	564274.67	4191654.25	9.21E-07	3.27E-07	1.25E-06	1.48E-07	5.13E-08	1.99E-07	8.72E-08	3.67E-08	1.24E-07	7.22E-08	2.22E-08	9.45E-08
1657	564284.52	4191655.76	9.09E-07	3.23E-07	1.23E-06	1.46E-07	5.06E-08	1.96E-07	8.60E-08	3.62E-08	1.22E-07	7.13E-08	2.19E-08	9.32E-08
1658	564294.38	4191657.27	8.96E-07	3.19E-07	1.21E-06	1.44E-07	4.99E-08	1.94E-07	8.48E-08	3.57E-08	1.21E-07	7.03E-08	2.16E-08	9.20E-08
1659	564238.77	4191647.6	9.60E-07	3.41E-07	1.30E-06	1.54E-07	5.34E-08	2.07E-07	9.08E-08	3.83E-08	1.29E-07	7.53E-08	2.32E-08	9.84E-08
1660	564230.59	4191642.59	9.87E-07	3.51E-07	1.34E-06	1.58E-07	5.49E-08	2.13E-07	9.34E-08	3.93E-08	1.33E-07	7.74E-08	2.38E-08	1.01E-07
1661	564222.41	4191637.58	1.01E-06	3.60E-07	1.37E-06	1.63E-07	5.64E-08	2.19E-07	9.59E-08	4.04E-08	1.36E-07	7.95E-08	2.45E-08	1.04E-07
1662	564214.23	4191632.58	1.04E-06	3.69E-07	1.41E-06	1.66E-07	5.78E-08	2.24E-07	9.82E-08	4.14E-08	1.40E-07	8.14E-08	2.50E-08	1.06E-07
1663	564206.06	4191627.57	1.06E-06	3.76E-07	1.44E-06	1.70E-07	5.90E-08	2.29E-07	1.00E-07	4.22E-08	1.42E-07	8.31E-08	2.56E-08	1.09E-07
1664	564197.88	4191622.56	1.08E-06	3.83E-07	1.46E-06	1.73E-07	5.99E-08	2.33E-07	1.02E-07	4.29E-08	1.45E-07	8.45E-08	2.60E-08	1.10E-07
1665	564189.7	4191617.56	1.09E-06	3.88E-07	1.48E-06	1.75E-07	6.07E-08	2.36E-07	1.03E-07	4.35E-08	1.47E-07	8.56E-08	2.63E-08	1.12E-07
1666	564181.52	4191612.55	1.10E-06	3.91E-07	1.49E-06	1.77E-07	6.13E-08	2.38E-07	1.04E-07	4.39E-08	1.48E-07	8.63E-08	2.66E-08	1.13E-07
1667	564173.34	4191607.54	1.11E-06	3.93E-07	1.50E-06	1.77E-07	6.15E-08	2.39E-07	1.05E-07	4.41E-08	1.49E-07	8.67E-08	2.67E-08	1.13E-07
1668	564148.81	4191592.52	1.09E-06	3.87E-07	1.48E-06	1.75E-07	6.06E-08	2.35E-07	1.03E-07	4.34E-08	1.47E-07	8.54E-08	2.63E-08	1.12E-07
1669	564140.63	4191587.51	1.07E-06	3.81E-07	1.45E-06	1.72E-07	5.97E-08	2.32E-07	1.02E-07	4.28E-08	1.44E-07	8.42E-08	2.59E-08	1.10E-07
1670	564132.46	4191582.51	1.05E-06	3.74E-07	1.43E-06	1.69E-07	5.86E-08	2.27E-07	9.96E-08	4.20E-08	1.42E-07	8.26E-08	2.54E-08	1.08E-07
1671	564124.28	4191577.5	1.03E-06	3.65E-07	1.39E-06	1.65E-07	5.72E-08	2.22E-07	9.72E-08	4.10E-08	1.38E-07	8.06E-08	2.48E-08	1.05E-07
1672	564116.1	4191572.49	9.98E-07	3.55E-07	1.35E-06	1.60E-07	5.55E-08	2.16E-07	9.45E-08	3.98E-08	1.34E-07	7.83E-08	2.41E-08	1.02E-07
1673	564107.92	4191567.49	9.65E-07	3.43E-07	1.31E-06	1.55E-07	5.37E-08	2.08E-07	9.13E-08	3.85E-08	1.30E-07	7.57E-08	2.33E-08	9.90E-08
1674	564099.75	4191562.48	9.29E-07	3.30E-07	1.26E-06	1.49E-07	5.17E-08	2.01E-07	8.79E-08	3.70E-08	1.25E-07	7.29E-08	2.24E-08	9.53E-08
1675	564091.57	4191557.47	8.91E-07	3.17E-07	1.21E-06	1.43E-07	4.96E-08	1.93E-07	8.44E-08	3.55E-08	1.20E-07	6.99E-08	2.15E-08	9.14E-08
1676	564083.39	4191552.47	8.52E-07	3.03E-07	1.16E-06	1.37E-07	4.75E-08	1.84E-07	8.07E-08	3.40E-08	1.15E-07	6.69E-08	2.06E-08	8.75E-08

1677	564075.21	4191547.46	8.12E-07	2.89E-07	1.10E-06	1.30E-07	4.52E-08	1.76E-07	7.69E-08	3.24E-08	1.09E-07	6.37E-08	1.96E-08	8.33E-08
1678	564067.03	4191542.45	7.72E-07	2.74E-07	1.05E-06	1.24E-07	4.30E-08	1.67E-07	7.31E-08	3.08E-08	1.04E-07	6.06E-08	1.86E-08	7.92E-08
1679	564052.37	4191509.42	6.94E-07	2.47E-07	9.41E-07	1.11E-07	3.86E-08	1.50E-07	6.57E-08	2.77E-08	9.34E-08	5.45E-08	1.68E-08	7.12E-08
1680	564050.21	4191500.08	6.79E-07	2.41E-07	9.20E-07	1.09E-07	3.78E-08	1.47E-07	6.42E-08	2.71E-08	9.13E-08	5.32E-08	1.64E-08	6.96E-08
1681	564048.05	4191490.74	6.61E-07	2.35E-07	8.96E-07	1.06E-07	3.68E-08	1.43E-07	6.26E-08	2.64E-08	8.90E-08	5.19E-08	1.60E-08	6.78E-08
1682	564045.88	4191481.39	6.42E-07	2.28E-07	8.71E-07	1.03E-07	3.58E-08	1.39E-07	6.08E-08	2.56E-08	8.64E-08	5.04E-08	1.55E-08	6.59E-08
1683	564043.72	4191472.05	6.22E-07	2.21E-07	8.44E-07	9.99E-08	3.47E-08	1.35E-07	5.89E-08	2.48E-08	8.37E-08	4.88E-08	1.50E-08	6.39E-08
1684	564041.56	4191462.71	6.02E-07	2.14E-07	8.16E-07	9.65E-08	3.35E-08	1.30E-07	5.70E-08	2.40E-08	8.10E-08	4.72E-08	1.45E-08	6.17E-08
1685	564039.4	4191453.37	5.80E-07	2.06E-07	7.87E-07	9.31E-08	3.23E-08	1.25E-07	5.49E-08	2.31E-08	7.81E-08	4.55E-08	1.40E-08	5.95E-08
1686	564037.24	4191444.03	5.58E-07	1.98E-07	7.56E-07	8.95E-08	3.11E-08	1.21E-07	5.28E-08	2.22E-08	7.51E-08	4.38E-08	1.35E-08	5.72E-08
1687	564035.07	4191434.68	5.34E-07	1.90E-07	7.24E-07	8.57E-08	2.97E-08	1.15E-07	5.06E-08	2.13E-08	7.19E-08	4.19E-08	1.29E-08	5.48E-08
1688	564032.91	4191425.34	5.09E-07	1.81E-07	6.90E-07	8.17E-08	2.84E-08	1.10E-07	4.82E-08	2.03E-08	6.85E-08	4.00E-08	1.23E-08	5.23E-08
1689	564030.75	4191416	4.84E-07	1.72E-07	6.56E-07	7.76E-08	2.69E-08	1.05E-07	4.58E-08	1.93E-08	6.51E-08	3.80E-08	1.17E-08	4.97E-08
1690	564028.59	4191406.66	4.58E-07	1.63E-07	6.21E-07	7.35E-08	2.55E-08	9.90E-08	4.34E-08	1.83E-08	6.17E-08	3.60E-08	1.11E-08	4.70E-08
1691	564026.43	4191397.32	4.33E-07	1.54E-07	5.88E-07	6.95E-08	2.41E-08	9.37E-08	4.10E-08	1.73E-08	5.83E-08	3.40E-08	1.05E-08	4.45E-08
1692	564024.26	4191387.98	4.09E-07	1.45E-07	5.55E-07	6.57E-08	2.28E-08	8.84E-08	3.87E-08	1.63E-08	5.51E-08	3.21E-08	9.88E-09	4.20E-08
1693	564022.1	4191378.63	3.86E-07	1.37E-07	5.23E-07	6.19E-08	2.15E-08	8.34E-08	3.65E-08	1.54E-08	5.19E-08	3.03E-08	9.32E-09	3.96E-08
1694	564019.94	4191369.29	3.63E-07	1.29E-07	4.92E-07	5.83E-08	2.02E-08	7.85E-08	3.44E-08	1.45E-08	4.89E-08	2.85E-08	8.77E-09	3.73E-08
1695	564017.78	4191359.95	3.42E-07	1.22E-07	4.64E-07	5.49E-08	1.90E-08	7.39E-08	3.24E-08	1.36E-08	4.60E-08	2.68E-08	8.25E-09	3.51E-08
1696	564015.62	4191350.61	3.22E-07	1.15E-07	4.37E-07	5.17E-08	1.79E-08	6.97E-08	3.05E-08	1.28E-08	4.34E-08	2.53E-08	7.78E-09	3.31E-08
1697	564013.45	4191341.27	3.05E-07	1.08E-07	4.13E-07	4.89E-08	1.70E-08	6.59E-08	2.89E-08	1.22E-08	4.10E-08	2.39E-08	7.36E-09	3.13E-08
1698	564011.29	4191331.92	2.89E-07	1.03E-07	3.92E-07	4.64E-08	1.61E-08	6.25E-08	2.74E-08	1.15E-08	3.89E-08	2.27E-08	6.98E-09	2.97E-08
1699	564009.13	4191322.58	2.76E-07	9.79E-08	3.73E-07	4.42E-08	1.53E-08	5.95E-08	2.61E-08	1.10E-08	3.71E-08	2.16E-08	6.65E-09	2.83E-08
1700	564006.97	4191313.24	2.64E-07	9.37E-08	3.57E-07	4.23E-08	1.47E-08	5.70E-08	2.50E-08	1.05E-08	3.55E-08	2.07E-08	6.36E-09	2.70E-08
1701	564349.78	4191362.44	9.50E-05	3.38E-05	1.29E-04	1.52E-05	5.29E-06	2.05E-05	8.99E-06	3.79E-06	1.28E-05	7.45E-06	2.29E-06	9.75E-06
1702	564352.52	4191346.45	1.49E-04	5.28E-05	2.01E-04	2.38E-05	8.27E-06	3.21E-05	1.41E-05	5.92E-06	2.00E-05	1.17E-05	3.59E-06	1.52E-05
1703	564355.26	4191330.45	1.74E-04	6.18E-05	2.36E-04	2.79E-05	9.69E-06	3.76E-05	1.65E-05	6.94E-06	2.34E-05	1.37E-05	4.20E-06	1.79E-05
1704	564361	4191356.13	7.63E-05	2.71E-05	1.03E-04	1.22E-05	4.25E-06	1.65E-05	7.22E-06	3.04E-06	1.03E-05	5.98E-06	1.84E-06	7.82E-06
1705	564363.74	4191340.14	1.24E-04	4.40E-05	1.68E-04	1.99E-05	6.90E-06	2.68E-05	1.17E-05	4.94E-06	1.67E-05	9.72E-06	2.99E-06	1.27E-05
1706	564350.09	4191386.86	3.25E-05	1.16E-05	4.41E-05	5.22E-06	1.81E-06	7.03E-06	3.08E-06	1.30E-06	4.38E-06	2.55E-06	7.85E-07	3.34E-06
1707	564370.86	4191357.82	4.98E-05	1.77E-05	6.75E-05	7.99E-06	2.77E-06	1.08E-05	4.71E-06	1.99E-06	6.70E-06	3.91E-06	1.20E-06	5.11E-06
1708	564373.6	4191341.83	8.03E-05	2.85E-05	1.09E-04	1.29E-05	4.47E-06	1.74E-05	7.60E-06	3.20E-06	1.08E-05	6.30E-06	1.94E-06	8.24E-06
1709	564376.34	4191325.84	1.02E-04	3.62E-05	1.38E-04	1.63E-05	5.66E-06	2.20E-05	9.63E-06	4.06E-06	1.37E-05	7.98E-06	2.46E-06	1.04E-05
1710	564367.31	4191386.78	2.43E-05	8.64E-06	3.29E-05	3.90E-06	1.35E-06	5.25E-06	2.30E-06	9.69E-07	3.27E-06	1.91E-06	5.87E-07	2.49E-06
1711	564355.94	4191394.97	2.27E-05	8.05E-06	3.07E-05	3.63E-06	1.26E-06	4.89E-06	2.14E-06	9.03E-07	3.05E-06	1.78E-06	5.47E-07	2.32E-06
1712	564380.72	4191359.51	3.44E-05	1.22E-05	4.67E-05	5.53E-06	1.92E-06	7.44E-06	3.26E-06	1.37E-06	4.63E-06	2.70E-06	8.32E-07	3.53E-06
1713	564383.46	4191343.52	5.16E-05	1.83E-05	6.99E-05	8.27E-06	2.87E-06	1.11E-05	4.88E-06	2.06E-06	6.94E-06	4.05E-06	1.24E-06	5.29E-06
1714	564377.17	4191388.47	1.94E-05	6.90E-06	2.63E-05	3.11E-06	1.08E-06	4.19E-06	1.84E-06	7.74E-07	2.61E-06	1.52E-06	4.68E-07	1.99E-06
1715	564361.78	4191403.09	1.67E-05	5.93E-06	2.26E-05	2.68E-06	9.29E-07	3.60E-06	1.58E-06	6.65E-07	2.24E-06	1.31E-06	4.03E-07	1.71E-06
1716	564347.06	4191406.63	1.75E-05	6.22E-06	2.37E-05	2.81E-06	9.74E-07	3.78E-06	1.66E-06	6.97E-07	2.35E-06	1.37E-06	4.22E-07	1.79E-06
1717	564367.63	4191411.2	1.28E-05	4.55E-06	1.74E-05	2.05E-06	7.13E-07	2.77E-06	1.21E-06	5.10E-07	1.72E-06	1.00E-06	3.09E-07	1.31E-06
1718	564352.9	4191414.74	1.35E-05	4.79E-06	1.83E-05	2.16E-06	7.51E-07	2.91E-06	1.28E-06	5.38E-07	1.81E-06	1.06E-06	3.26E-07	1.38E-06

1719	564373.48	4191419.31	1.01E-05	3.60E-06	1.37E-05	1.62E-06	5.63E-07	2.19E-06	9.58E-07	4.03E-07	1.36E-06	7.94E-07	2.44E-07	1.04E-06
1720	564358.75	4191422.86	1.07E-05	3.80E-06	1.45E-05	1.72E-06	5.96E-07	2.31E-06	1.01E-06	4.26E-07	1.44E-06	8.39E-07	2.58E-07	1.10E-06
1721	564344.02	4191426.4	1.08E-05	3.85E-06	1.47E-05	1.74E-06	6.03E-07	2.34E-06	1.03E-06	4.32E-07	1.46E-06	8.50E-07	2.62E-07	1.11E-06
1722	564364.59	4191430.97	8.67E-06	3.08E-06	1.18E-05	1.39E-06	4.83E-07	1.87E-06	8.21E-07	3.46E-07	1.17E-06	6.80E-07	2.09E-07	8.90E-07
1723	564349.87	4191434.51	8.86E-06	3.15E-06	1.20E-05	1.42E-06	4.93E-07	1.92E-06	8.39E-07	3.53E-07	1.19E-06	6.95E-07	2.14E-07	9.09E-07
1724	564370.44	4191439.08	7.16E-06	2.54E-06	9.70E-06	1.15E-06	3.98E-07	1.55E-06	6.78E-07	2.85E-07	9.63E-07	5.62E-07	1.73E-07	7.34E-07
1725	564355.71	4191442.62	7.37E-06	2.62E-06	9.98E-06	1.18E-06	4.10E-07	1.59E-06	6.97E-07	2.94E-07	9.91E-07	5.78E-07	1.78E-07	7.56E-07
1726	564340.99	4191446.17	7.34E-06	2.61E-06	9.95E-06	1.18E-06	4.09E-07	1.59E-06	6.95E-07	2.93E-07	9.88E-07	5.76E-07	1.77E-07	7.53E-07
1727	564430	4191367.95	9.79E-06	3.48E-06	1.33E-05	1.57E-06	5.45E-07	2.12E-06	9.27E-07	3.90E-07	1.32E-06	7.68E-07	2.36E-07	1.00E-06
1728	564432.74	4191351.96	1.10E-05	3.91E-06	1.49E-05	1.77E-06	6.13E-07	2.38E-06	1.04E-06	4.39E-07	1.48E-06	8.64E-07	2.66E-07	1.13E-06
1729	564435.48	4191335.97	1.45E-05	5.16E-06	1.97E-05	2.33E-06	8.09E-07	3.14E-06	1.38E-06	5.79E-07	1.95E-06	1.14E-06	3.51E-07	1.49E-06
1730	564426.45	4191396.91	7.71E-06	2.74E-06	1.04E-05	1.24E-06	4.29E-07	1.67E-06	7.29E-07	3.07E-07	1.04E-06	6.04E-07	1.86E-07	7.90E-07
1731	564361.56	4191450.74	6.21E-06	2.21E-06	8.41E-06	9.96E-07	3.46E-07	1.34E-06	5.88E-07	2.47E-07	8.35E-07	4.87E-07	1.50E-07	6.37E-07
1732	564346.83	4191454.28	6.24E-06	2.22E-06	8.46E-06	1.00E-06	3.47E-07	1.35E-06	5.91E-07	2.49E-07	8.40E-07	4.90E-07	1.51E-07	6.40E-07
1733	564439.85	4191369.64	8.15E-06	2.89E-06	1.10E-05	1.31E-06	4.53E-07	1.76E-06	7.71E-07	3.25E-07	1.10E-06	6.39E-07	1.97E-07	8.36E-07
1734	564442.59	4191353.65	8.96E-06	3.18E-06	1.21E-05	1.44E-06	4.99E-07	1.94E-06	8.48E-07	3.57E-07	1.21E-06	7.03E-07	2.16E-07	9.19E-07
1735	564445.33	4191337.66	1.14E-05	4.04E-06	1.54E-05	1.82E-06	6.32E-07	2.45E-06	1.08E-06	4.53E-07	1.53E-06	8.91E-07	2.74E-07	1.17E-06
1736	564436.31	4191398.6	6.62E-06	2.35E-06	8.98E-06	1.06E-06	3.69E-07	1.43E-06	6.27E-07	2.64E-07	8.91E-07	5.20E-07	1.60E-07	6.80E-07
1737	564428.29	4191411.45	6.21E-06	2.21E-06	8.41E-06	9.96E-07	3.46E-07	1.34E-06	5.88E-07	2.47E-07	8.35E-07	4.87E-07	1.50E-07	6.37E-07
1738	564420.27	4191424.3	5.69E-06	2.02E-06	7.72E-06	9.14E-07	3.17E-07	1.23E-06	5.39E-07	2.27E-07	7.66E-07	4.47E-07	1.37E-07	5.84E-07
1739	564367.4	4191458.85	5.30E-06	1.88E-06	7.18E-06	8.50E-07	2.95E-07	1.14E-06	5.01E-07	2.11E-07	7.12E-07	4.15E-07	1.28E-07	5.43E-07
1740	564449.71	4191371.33	6.87E-06	2.44E-06	9.31E-06	1.10E-06	3.82E-07	1.48E-06	6.50E-07	2.74E-07	9.24E-07	5.39E-07	1.66E-07	7.04E-07
1741	564452.45	4191355.34	7.41E-06	2.63E-06	1.00E-05	1.19E-06	4.12E-07	1.60E-06	7.01E-07	2.95E-07	9.96E-07	5.81E-07	1.79E-07	7.60E-07
1742	564455.19	4191339.35	9.03E-06	3.21E-06	1.22E-05	1.45E-06	5.03E-07	1.95E-06	8.55E-07	3.60E-07	1.22E-06	7.09E-07	2.18E-07	9.27E-07
1743	564446.16	4191400.29	5.75E-06	2.04E-06	7.80E-06	9.23E-07	3.20E-07	1.24E-06	5.45E-07	2.29E-07	7.74E-07	4.51E-07	1.39E-07	5.90E-07
1744	564438.14	4191413.14	5.45E-06	1.94E-06	7.38E-06	8.74E-07	3.03E-07	1.18E-06	5.16E-07	2.17E-07	7.33E-07	4.27E-07	1.31E-07	5.59E-07
1745	564430.12	4191425.99	5.04E-06	1.79E-06	6.83E-06	8.09E-07	2.81E-07	1.09E-06	4.77E-07	2.01E-07	6.78E-07	3.96E-07	1.22E-07	5.17E-07
1746	564422.1	4191438.84	4.63E-06	1.65E-06	6.28E-06	7.43E-07	2.58E-07	1.00E-06	4.39E-07	1.85E-07	6.23E-07	3.63E-07	1.12E-07	4.75E-07
1747	564459.57	4191373.02	5.86E-06	2.08E-06	7.94E-06	9.40E-07	3.26E-07	1.27E-06	5.55E-07	2.34E-07	7.88E-07	4.60E-07	1.41E-07	6.01E-07
1748	564462.31	4191357.03	6.22E-06	2.21E-06	8.43E-06	9.98E-07	3.46E-07	1.34E-06	5.89E-07	2.48E-07	8.37E-07	4.88E-07	1.50E-07	6.38E-07
1749	564465.05	4191341.03	7.35E-06	2.61E-06	9.96E-06	1.18E-06	4.09E-07	1.59E-06	6.96E-07	2.93E-07	9.89E-07	5.77E-07	1.77E-07	7.54E-07
1750	564456.02	4191401.98	5.04E-06	1.79E-06	6.84E-06	8.09E-07	2.81E-07	1.09E-06	4.77E-07	2.01E-07	6.79E-07	3.96E-07	1.22E-07	5.17E-07
1751	564448	4191414.83	4.82E-06	1.71E-06	6.53E-06	7.73E-07	2.68E-07	1.04E-06	4.56E-07	1.92E-07	6.48E-07	3.78E-07	1.16E-07	4.94E-07
1752	564439.98	4191427.68	4.49E-06	1.59E-06	6.08E-06	7.20E-07	2.50E-07	9.70E-07	4.25E-07	1.79E-07	6.04E-07	3.52E-07	1.08E-07	4.60E-07
1753	564431.96	4191440.53	4.15E-06	1.48E-06	5.63E-06	6.66E-07	2.31E-07	8.97E-07	3.93E-07	1.65E-07	5.59E-07	3.26E-07	1.00E-07	4.26E-07
1754	564423.94	4191453.37	3.83E-06	1.36E-06	5.19E-06	6.14E-07	2.13E-07	8.27E-07	3.62E-07	1.53E-07	5.15E-07	3.00E-07	9.24E-08	3.93E-07
1755	564349.64	4191482.16	4.06E-06	1.44E-06	5.50E-06	6.51E-07	2.26E-07	8.78E-07	3.84E-07	1.62E-07	5.46E-07	3.19E-07	9.80E-08	4.17E-07
1756	564334.91	4191485.7	3.99E-06	1.42E-06	5.41E-06	6.41E-07	2.22E-07	8.63E-07	3.78E-07	1.59E-07	5.37E-07	3.13E-07	9.64E-08	4.10E-07
1757	564469.42	4191374.71	5.05E-06	1.80E-06	6.85E-06	8.11E-07	2.81E-07	1.09E-06	4.78E-07	2.01E-07	6.80E-07	3.96E-07	1.22E-07	5.18E-07
1758	564472.16	4191358.72	5.30E-06	1.88E-06	7.18E-06	8.50E-07	2.95E-07	1.15E-06	5.02E-07	2.11E-07	7.13E-07	4.16E-07	1.28E-07	5.44E-07
1759	564474.9	4191342.72	6.09E-06	2.17E-06	8.26E-06	9.78E-07	3.39E-07	1.32E-06	5.77E-07	2.43E-07	8.20E-07	4.78E-07	1.47E-07	6.25E-07
1760	564465.88	4191403.67	4.45E-06	1.58E-06	6.04E-06	7.14E-07	2.48E-07	9.62E-07	4.22E-07	1.78E-07	5.99E-07	3.49E-07	1.08E-07	4.57E-07

1761	564457.86	4191416.52	4.29E-06	1.52E-06	5.81E-06	6.88E-07	2.39E-07	9.27E-07	4.06E-07	1.71E-07	5.77E-07	3.37E-07	1.04E-07	4.40E-07
1762	564449.83	4191429.36	4.02E-06	1.43E-06	5.45E-06	6.45E-07	2.24E-07	8.69E-07	3.81E-07	1.60E-07	5.41E-07	3.15E-07	9.70E-08	4.12E-07
1763	564441.81	4191442.21	3.74E-06	1.33E-06	5.07E-06	6.00E-07	2.08E-07	8.08E-07	3.54E-07	1.49E-07	5.03E-07	2.93E-07	9.02E-08	3.84E-07
1764	564433.79	4191455.06	3.47E-06	1.23E-06	4.71E-06	5.57E-07	1.93E-07	7.50E-07	3.29E-07	1.38E-07	4.67E-07	2.72E-07	8.38E-08	3.56E-07
1765	564425.77	4191467.91	3.22E-06	1.14E-06	4.36E-06	5.16E-07	1.79E-07	6.95E-07	3.05E-07	1.28E-07	4.33E-07	2.52E-07	7.76E-08	3.30E-07
1766	564355.49	4191490.27	3.59E-06	1.28E-06	4.87E-06	5.76E-07	2.00E-07	7.76E-07	3.40E-07	1.43E-07	4.83E-07	2.82E-07	8.67E-08	3.68E-07
1767	564340.76	4191493.82	3.55E-06	1.26E-06	4.82E-06	5.70E-07	1.98E-07	7.68E-07	3.36E-07	1.42E-07	4.78E-07	2.79E-07	8.58E-08	3.65E-07
1768	564479.28	4191376.4	4.40E-06	1.56E-06	5.96E-06	7.05E-07	2.45E-07	9.50E-07	4.16E-07	1.75E-07	5.92E-07	3.45E-07	1.06E-07	4.51E-07
1769	564482.02	4191360.4	4.57E-06	1.62E-06	6.19E-06	7.33E-07	2.54E-07	9.87E-07	4.32E-07	1.82E-07	6.15E-07	3.58E-07	1.10E-07	4.69E-07
1770	564484.76	4191344.41	5.13E-06	1.82E-06	6.96E-06	8.24E-07	2.86E-07	1.11E-06	4.86E-07	2.05E-07	6.91E-07	4.03E-07	1.24E-07	5.27E-07
1771	564475.73	4191405.36	3.95E-06	1.40E-06	5.36E-06	6.34E-07	2.20E-07	8.54E-07	3.74E-07	1.58E-07	5.32E-07	3.10E-07	9.54E-08	4.06E-07
1772	564467.71	4191418.2	3.84E-06	1.36E-06	5.20E-06	6.16E-07	2.14E-07	8.29E-07	3.63E-07	1.53E-07	5.16E-07	3.01E-07	9.26E-08	3.94E-07
1773	564459.69	4191431.05	3.62E-06	1.29E-06	4.90E-06	5.80E-07	2.01E-07	7.82E-07	3.42E-07	1.44E-07	4.87E-07	2.84E-07	8.73E-08	3.71E-07
1774	564451.67	4191443.9	3.38E-06	1.20E-06	4.58E-06	5.42E-07	1.88E-07	7.30E-07	3.20E-07	1.35E-07	4.55E-07	2.65E-07	8.16E-08	3.47E-07
1775	564443.65	4191456.75	3.16E-06	1.12E-06	4.28E-06	5.07E-07	1.76E-07	6.83E-07	2.99E-07	1.26E-07	4.25E-07	2.48E-07	7.63E-08	3.24E-07
1776	564435.63	4191469.6	2.95E-06	1.05E-06	4.00E-06	4.73E-07	1.64E-07	6.37E-07	2.79E-07	1.18E-07	3.97E-07	2.31E-07	7.12E-08	3.02E-07
1777	564361.33	4191498.39	3.19E-06	1.13E-06	4.33E-06	5.12E-07	1.78E-07	6.90E-07	3.02E-07	1.27E-07	4.29E-07	2.50E-07	7.70E-08	3.27E-07
1778	564346.6	4191501.93	3.18E-06	1.13E-06	4.30E-06	5.09E-07	1.77E-07	6.86E-07	3.01E-07	1.27E-07	4.27E-07	2.49E-07	7.66E-08	3.26E-07
1779	564331.88	4191505.47	3.12E-06	1.11E-06	4.23E-06	5.00E-07	1.74E-07	6.74E-07	2.95E-07	1.24E-07	4.19E-07	2.45E-07	7.53E-08	3.20E-07
1780	564489.14	4191378.09	3.86E-06	1.37E-06	5.23E-06	6.19E-07	2.15E-07	8.34E-07	3.65E-07	1.54E-07	5.19E-07	3.03E-07	9.32E-08	3.96E-07
1781	564491.88	4191362.09	3.98E-06	1.41E-06	5.39E-06	6.38E-07	2.21E-07	8.59E-07	3.76E-07	1.59E-07	5.35E-07	3.12E-07	9.60E-08	4.08E-07
1782	564494.62	4191346.1	4.39E-06	1.56E-06	5.95E-06	7.04E-07	2.44E-07	9.48E-07	4.15E-07	1.75E-07	5.90E-07	3.44E-07	1.06E-07	4.50E-07
1783	564484.79	4191408.33	3.50E-06	1.25E-06	4.75E-06	5.62E-07	1.95E-07	7.57E-07	3.32E-07	1.40E-07	4.72E-07	2.75E-07	8.46E-08	3.60E-07
1784	564476.23	4191422.03	3.41E-06	1.21E-06	4.62E-06	5.47E-07	1.90E-07	7.37E-07	3.23E-07	1.36E-07	4.59E-07	2.67E-07	8.23E-08	3.50E-07
1785	564467.68	4191435.74	3.20E-06	1.14E-06	4.34E-06	5.14E-07	1.78E-07	6.92E-07	3.03E-07	1.28E-07	4.31E-07	2.51E-07	7.73E-08	3.28E-07
1786	564459.12	4191449.45	3.01E-06	1.07E-06	4.08E-06	4.83E-07	1.67E-07	6.50E-07	2.85E-07	1.20E-07	4.05E-07	2.36E-07	7.26E-08	3.09E-07
1787	564450.56	4191463.15	2.81E-06	1.00E-06	3.81E-06	4.51E-07	1.57E-07	6.08E-07	2.66E-07	1.12E-07	3.79E-07	2.21E-07	6.79E-08	2.89E-07
1788	564442.01	4191476.86	2.63E-06	9.33E-07	3.56E-06	4.21E-07	1.46E-07	5.68E-07	2.49E-07	1.05E-07	3.53E-07	2.06E-07	6.34E-08	2.69E-07
1789	564425.6	4191492.45	2.52E-06	8.95E-07	3.41E-06	4.04E-07	1.40E-07	5.44E-07	2.38E-07	1.00E-07	3.39E-07	1.97E-07	6.08E-08	2.58E-07
1790	564362.76	4191507.56	2.85E-06	1.01E-06	3.87E-06	4.58E-07	1.59E-07	6.16E-07	2.70E-07	1.14E-07	3.84E-07	2.24E-07	6.88E-08	2.93E-07
1791	564347.05	4191511.34	2.84E-06	1.01E-06	3.85E-06	4.55E-07	1.58E-07	6.13E-07	2.69E-07	1.13E-07	3.82E-07	2.23E-07	6.85E-08	2.91E-07
1792	564331.34	4191515.12	2.79E-06	9.92E-07	3.78E-06	4.48E-07	1.55E-07	6.03E-07	2.64E-07	1.11E-07	3.76E-07	2.19E-07	6.74E-08	2.86E-07
1793	564498.99	4191379.77	3.40E-06	1.21E-06	4.61E-06	5.46E-07	1.89E-07	7.35E-07	3.22E-07	1.36E-07	4.58E-07	2.67E-07	8.21E-08	3.49E-07
1794	564501.73	4191363.78	3.49E-06	1.24E-06	4.73E-06	5.60E-07	1.94E-07	7.55E-07	3.31E-07	1.39E-07	4.70E-07	2.74E-07	8.43E-08	3.58E-07
1795	564504.47	4191347.79	3.79E-06	1.35E-06	5.14E-06	6.08E-07	2.11E-07	8.19E-07	3.59E-07	1.51E-07	5.10E-07	2.97E-07	9.15E-08	3.89E-07
1796	564494.69	4191409.94	3.13E-06	1.11E-06	4.25E-06	5.03E-07	1.74E-07	6.77E-07	2.97E-07	1.25E-07	4.21E-07	2.46E-07	7.56E-08	3.21E-07
1797	564486.17	4191423.59	3.07E-06	1.09E-06	4.16E-06	4.93E-07	1.71E-07	6.64E-07	2.91E-07	1.22E-07	4.13E-07	2.41E-07	7.41E-08	3.15E-07
1798	564477.65	4191437.24	2.91E-06	1.03E-06	3.94E-06	4.67E-07	1.62E-07	6.29E-07	2.75E-07	1.16E-07	3.91E-07	2.28E-07	7.02E-08	2.99E-07
1799	564469.13	4191450.89	2.73E-06	9.70E-07	3.70E-06	4.38E-07	1.52E-07	5.90E-07	2.58E-07	1.09E-07	3.67E-07	2.14E-07	6.59E-08	2.80E-07
1800	564460.6	4191464.55	2.58E-06	9.16E-07	3.49E-06	4.14E-07	1.44E-07	5.57E-07	2.44E-07	1.03E-07	3.47E-07	2.02E-07	6.22E-08	2.64E-07
1801	564452.08	4191478.2	2.40E-06	8.54E-07	3.26E-06	3.85E-07	1.34E-07	5.19E-07	2.27E-07	9.58E-08	3.23E-07	1.88E-07	5.80E-08	2.46E-07
1802	564431.47	4191500.56	2.25E-06	7.98E-07	3.05E-06	3.60E-07	1.25E-07	4.86E-07	2.13E-07	8.96E-08	3.02E-07	1.76E-07	5.42E-08	2.31E-07

1803	564415.83	4191504.32	2.37E-06	8.44E-07	3.22E-06	3.81E-07	1.32E-07	5.13E-07	2.25E-07	9.47E-08	3.19E-07	1.86E-07	5.73E-08	2.44E-07
1804	564353.23	4191519.37	2.56E-06	9.10E-07	3.47E-06	4.11E-07	1.42E-07	5.53E-07	2.42E-07	1.02E-07	3.44E-07	2.01E-07	6.18E-08	2.63E-07
1805	564337.59	4191523.14	2.53E-06	9.00E-07	3.43E-06	4.06E-07	1.41E-07	5.47E-07	2.40E-07	1.01E-07	3.41E-07	1.99E-07	6.11E-08	2.60E-07
1806	564508.85	4191381.46	3.03E-06	1.08E-06	4.10E-06	4.85E-07	1.68E-07	6.54E-07	2.86E-07	1.21E-07	4.07E-07	2.37E-07	7.30E-08	3.10E-07
1807	564511.59	4191365.47	3.07E-06	1.09E-06	4.16E-06	4.93E-07	1.71E-07	6.63E-07	2.91E-07	1.22E-07	4.13E-07	2.41E-07	7.41E-08	3.15E-07
1808	564514.33	4191349.48	3.27E-06	1.16E-06	4.43E-06	5.25E-07	1.82E-07	7.07E-07	3.10E-07	1.30E-07	4.40E-07	2.57E-07	7.90E-08	3.36E-07
1809	564504.6	4191411.56	2.81E-06	1.00E-06	3.82E-06	4.52E-07	1.57E-07	6.08E-07	2.66E-07	1.12E-07	3.79E-07	2.21E-07	6.79E-08	2.89E-07
1810	564496.1	4191425.16	2.78E-06	9.88E-07	3.77E-06	4.46E-07	1.55E-07	6.01E-07	2.63E-07	1.11E-07	3.74E-07	2.18E-07	6.71E-08	2.85E-07
1811	564487.61	4191438.77	2.65E-06	9.43E-07	3.60E-06	4.26E-07	1.48E-07	5.74E-07	2.51E-07	1.06E-07	3.57E-07	2.08E-07	6.41E-08	2.72E-07
1812	564479.12	4191452.37	2.50E-06	8.88E-07	3.39E-06	4.01E-07	1.39E-07	5.40E-07	2.37E-07	9.96E-08	3.36E-07	1.96E-07	6.03E-08	2.56E-07
1813	564470.62	4191465.98	2.35E-06	8.36E-07	3.19E-06	3.77E-07	1.31E-07	5.08E-07	2.23E-07	9.37E-08	3.16E-07	1.85E-07	5.68E-08	2.41E-07
1814	564462.13	4191479.58	2.21E-06	7.86E-07	3.00E-06	3.55E-07	1.23E-07	4.78E-07	2.09E-07	8.82E-08	2.98E-07	1.74E-07	5.34E-08	2.27E-07
1815	564437.35	4191508.67	2.02E-06	7.20E-07	2.74E-06	3.25E-07	1.13E-07	4.38E-07	1.92E-07	8.07E-08	2.72E-07	1.59E-07	4.89E-08	2.08E-07
1816	564421.75	4191512.42	2.14E-06	7.60E-07	2.90E-06	3.43E-07	1.19E-07	4.62E-07	2.02E-07	8.52E-08	2.88E-07	1.68E-07	5.16E-08	2.19E-07
1817	564359.38	4191527.41	2.32E-06	8.24E-07	3.14E-06	3.72E-07	1.29E-07	5.01E-07	2.20E-07	9.25E-08	3.12E-07	1.82E-07	5.60E-08	2.38E-07
1818	564343.78	4191531.16	2.30E-06	8.19E-07	3.12E-06	3.70E-07	1.28E-07	4.98E-07	2.18E-07	9.19E-08	3.10E-07	1.81E-07	5.56E-08	2.36E-07
1819	564328.19	4191534.91	2.27E-06	8.07E-07	3.08E-06	3.64E-07	1.26E-07	4.91E-07	2.15E-07	9.06E-08	3.06E-07	1.78E-07	5.48E-08	2.33E-07
1820	564518.7	4191383.15	2.71E-06	9.62E-07	3.67E-06	4.34E-07	1.51E-07	5.85E-07	2.56E-07	1.08E-07	3.64E-07	2.12E-07	6.54E-08	2.78E-07
1821	564521.44	4191367.16	2.73E-06	9.71E-07	3.70E-06	4.38E-07	1.52E-07	5.90E-07	2.59E-07	1.09E-07	3.68E-07	2.14E-07	6.59E-08	2.80E-07
1822	564524.18	4191351.17	2.87E-06	1.02E-06	3.89E-06	4.60E-07	1.60E-07	6.20E-07	2.72E-07	1.14E-07	3.86E-07	2.25E-07	6.93E-08	2.94E-07
1823	564514.49	4191413.18	2.55E-06	9.05E-07	3.45E-06	4.09E-07	1.42E-07	5.50E-07	2.41E-07	1.02E-07	3.43E-07	2.00E-07	6.15E-08	2.61E-07
1824	564506.02	4191426.74	2.53E-06	8.98E-07	3.42E-06	4.05E-07	1.41E-07	5.46E-07	2.39E-07	1.01E-07	3.40E-07	1.98E-07	6.10E-08	2.59E-07
1825	564497.56	4191440.31	2.43E-06	8.63E-07	3.29E-06	3.90E-07	1.35E-07	5.25E-07	2.30E-07	9.68E-08	3.27E-07	1.91E-07	5.86E-08	2.49E-07
1826	564489.09	4191453.87	2.30E-06	8.16E-07	3.11E-06	3.68E-07	1.28E-07	4.96E-07	2.17E-07	9.16E-08	3.09E-07	1.80E-07	5.54E-08	2.36E-07
1827	564480.62	4191467.43	2.17E-06	7.69E-07	2.93E-06	3.47E-07	1.21E-07	4.68E-07	2.05E-07	8.63E-08	2.91E-07	1.70E-07	5.23E-08	2.22E-07
1828	564472.16	4191481	2.04E-06	7.25E-07	2.76E-06	3.27E-07	1.14E-07	4.41E-07	1.93E-07	8.13E-08	2.74E-07	1.60E-07	4.92E-08	2.09E-07
1829	564455.22	4191508.12	1.83E-06	6.51E-07	2.48E-06	2.94E-07	1.02E-07	3.96E-07	1.73E-07	7.30E-08	2.46E-07	1.44E-07	4.42E-08	1.88E-07
1830	564443.22	4191516.77	1.83E-06	6.52E-07	2.49E-06	2.94E-07	1.02E-07	3.96E-07	1.74E-07	7.31E-08	2.47E-07	1.44E-07	4.43E-08	1.88E-07
1831	564427.67	4191520.51	1.93E-06	6.87E-07	2.62E-06	3.10E-07	1.08E-07	4.18E-07	1.83E-07	7.71E-08	2.60E-07	1.52E-07	4.67E-08	1.98E-07
1832	564412.12	4191524.25	2.01E-06	7.14E-07	2.72E-06	3.22E-07	1.12E-07	4.34E-07	1.90E-07	8.01E-08	2.70E-07	1.58E-07	4.85E-08	2.06E-07
1833	564349.94	4191539.2	2.10E-06	7.48E-07	2.85E-06	3.38E-07	1.17E-07	4.55E-07	1.99E-07	8.39E-08	2.83E-07	1.65E-07	5.08E-08	2.16E-07
1834	564334.4	4191542.94	2.08E-06	7.40E-07	2.82E-06	3.34E-07	1.16E-07	4.50E-07	1.97E-07	8.30E-08	2.80E-07	1.63E-07	5.03E-08	2.14E-07
1835	564528.56	4191384.84	2.44E-06	8.65E-07	3.30E-06	3.91E-07	1.36E-07	5.26E-07	2.31E-07	9.71E-08	3.28E-07	1.91E-07	5.88E-08	2.50E-07
1836	564531.3	4191368.85	2.45E-06	8.69E-07	3.32E-06	3.92E-07	1.36E-07	5.29E-07	2.32E-07	9.75E-08	3.29E-07	1.92E-07	5.91E-08	2.51E-07
1837	564534.04	4191352.86	2.54E-06	9.02E-07	3.44E-06	4.07E-07	1.41E-07	5.49E-07	2.40E-07	1.01E-07	3.42E-07	1.99E-07	6.13E-08	2.61E-07
1838	564524.38	4191414.81	2.31E-06	8.22E-07	3.14E-06	3.71E-07	1.29E-07	5.00E-07	2.19E-07	9.22E-08	3.11E-07	1.82E-07	5.58E-08	2.37E-07
1839	564515.94	4191428.34	2.31E-06	8.19E-07	3.12E-06	3.70E-07	1.28E-07	4.98E-07	2.18E-07	9.19E-08	3.10E-07	1.81E-07	5.56E-08	2.36E-07
1840	564507.5	4191441.86	2.23E-06	7.92E-07	3.02E-06	3.58E-07	1.24E-07	4.82E-07	2.11E-07	8.89E-08	3.00E-07	1.75E-07	5.38E-08	2.29E-07
1841	564499.05	4191455.39	2.12E-06	7.52E-07	2.87E-06	3.40E-07	1.18E-07	4.57E-07	2.00E-07	8.44E-08	2.85E-07	1.66E-07	5.11E-08	2.17E-07
1842	564490.61	4191468.92	2.00E-06	7.10E-07	2.71E-06	3.21E-07	1.11E-07	4.32E-07	1.89E-07	7.97E-08	2.69E-07	1.57E-07	4.82E-08	2.05E-07
1843	564482.17	4191482.44	1.89E-06	6.70E-07	2.56E-06	3.03E-07	1.05E-07	4.08E-07	1.79E-07	7.52E-08	2.54E-07	1.48E-07	4.55E-08	1.93E-07
1844	564465.28	4191509.49	1.71E-06	6.07E-07	2.31E-06	2.74E-07	9.50E-08	3.69E-07	1.62E-07	6.80E-08	2.30E-07	1.34E-07	4.12E-08	1.75E-07

1845	564449.08	4191524.88	1.67E-06	5.93E-07	2.26E-06	2.68E-07	9.29E-08	3.61E-07	1.58E-07	6.65E-08	2.24E-07	1.31E-07	4.03E-08	1.71E-07
1846	564433.58	4191528.61	1.75E-06	6.23E-07	2.38E-06	2.81E-07	9.76E-08	3.79E-07	1.66E-07	6.99E-08	2.36E-07	1.38E-07	4.23E-08	1.80E-07
1847	564418.08	4191532.34	1.83E-06	6.49E-07	2.47E-06	2.93E-07	1.02E-07	3.95E-07	1.73E-07	7.28E-08	2.46E-07	1.43E-07	4.41E-08	1.87E-07
1848	564356.07	4191547.25	1.93E-06	6.85E-07	2.61E-06	3.09E-07	1.07E-07	4.16E-07	1.82E-07	7.68E-08	2.59E-07	1.51E-07	4.65E-08	1.98E-07
1849	564340.56	4191550.98	1.91E-06	6.80E-07	2.59E-06	3.07E-07	1.07E-07	4.14E-07	1.81E-07	7.63E-08	2.58E-07	1.50E-07	4.62E-08	1.96E-07
1850	564325.06	4191554.7	1.89E-06	6.71E-07	2.56E-06	3.03E-07	1.05E-07	4.08E-07	1.79E-07	7.52E-08	2.54E-07	1.48E-07	4.56E-08	1.94E-07
1851	564538.42	4191386.53	2.20E-06	7.82E-07	2.98E-06	3.53E-07	1.23E-07	4.76E-07	2.08E-07	8.78E-08	2.96E-07	1.73E-07	5.31E-08	2.26E-07
1852	564541.16	4191370.54	2.20E-06	7.83E-07	2.99E-06	3.54E-07	1.23E-07	4.76E-07	2.09E-07	8.79E-08	2.97E-07	1.73E-07	5.32E-08	2.26E-07
1853	564543.9	4191354.54	2.27E-06	8.07E-07	3.08E-06	3.65E-07	1.26E-07	4.91E-07	2.15E-07	9.06E-08	3.06E-07	1.78E-07	5.48E-08	2.33E-07
1854	564534.27	4191416.45	2.11E-06	7.50E-07	2.86E-06	3.38E-07	1.17E-07	4.56E-07	2.00E-07	8.41E-08	2.84E-07	1.65E-07	5.09E-08	2.16E-07
1855	564525.85	4191429.94	2.11E-06	7.50E-07	2.86E-06	3.39E-07	1.18E-07	4.56E-07	2.00E-07	8.41E-08	2.84E-07	1.66E-07	5.09E-08	2.17E-07
1856	564517.43	4191443.43	2.05E-06	7.29E-07	2.78E-06	3.29E-07	1.14E-07	4.43E-07	1.94E-07	8.18E-08	2.76E-07	1.61E-07	4.95E-08	2.10E-07
1857	564509	4191456.93	1.96E-06	6.95E-07	2.65E-06	3.14E-07	1.09E-07	4.23E-07	1.85E-07	7.80E-08	2.63E-07	1.53E-07	4.72E-08	2.01E-07
1858	564500.58	4191470.42	1.85E-06	6.57E-07	2.51E-06	2.97E-07	1.03E-07	4.00E-07	1.75E-07	7.38E-08	2.49E-07	1.45E-07	4.47E-08	1.90E-07
1859	564492.16	4191483.91	1.75E-06	6.21E-07	2.37E-06	2.80E-07	9.73E-08	3.78E-07	1.66E-07	6.97E-08	2.35E-07	1.37E-07	4.22E-08	1.79E-07
1860	564475.31	4191510.89	1.59E-06	5.66E-07	2.16E-06	2.55E-07	8.86E-08	3.44E-07	1.51E-07	6.34E-08	2.14E-07	1.25E-07	3.84E-08	1.63E-07
1861	564466.89	4191524.39	1.52E-06	5.40E-07	2.06E-06	2.44E-07	8.46E-08	3.29E-07	1.44E-07	6.06E-08	2.05E-07	1.19E-07	3.67E-08	1.56E-07
1862	564454.95	4191532.99	1.52E-06	5.42E-07	2.07E-06	2.45E-07	8.49E-08	3.29E-07	1.44E-07	6.08E-08	2.05E-07	1.20E-07	3.68E-08	1.56E-07
1863	564439.48	4191536.71	1.60E-06	5.68E-07	2.17E-06	2.57E-07	8.90E-08	3.46E-07	1.51E-07	6.38E-08	2.15E-07	1.25E-07	3.86E-08	1.64E-07
1864	564424.02	4191540.43	1.67E-06	5.92E-07	2.26E-06	2.67E-07	9.28E-08	3.60E-07	1.58E-07	6.64E-08	2.24E-07	1.31E-07	4.02E-08	1.71E-07
1865	564408.56	4191544.15	1.71E-06	6.09E-07	2.32E-06	2.75E-07	9.54E-08	3.70E-07	1.62E-07	6.83E-08	2.31E-07	1.34E-07	4.14E-08	1.76E-07
1866	564346.7	4191559.02	1.76E-06	6.27E-07	2.39E-06	2.83E-07	9.82E-08	3.81E-07	1.67E-07	7.03E-08	2.37E-07	1.38E-07	4.26E-08	1.81E-07
1867	564548.27	4191388.22	2.00E-06	7.10E-07	2.71E-06	3.21E-07	1.11E-07	4.32E-07	1.89E-07	7.97E-08	2.69E-07	1.57E-07	4.82E-08	2.05E-07
1868	564551.01	4191372.23	2.00E-06	7.10E-07	2.71E-06	3.20E-07	1.11E-07	4.32E-07	1.89E-07	7.96E-08	2.69E-07	1.57E-07	4.82E-08	2.05E-07
1869	564553.75	4191356.23	2.05E-06	7.27E-07	2.77E-06	3.28E-07	1.14E-07	4.42E-07	1.94E-07	8.15E-08	2.75E-07	1.60E-07	4.94E-08	2.10E-07
1870	564544.16	4191418.09	1.93E-06	6.86E-07	2.61E-06	3.09E-07	1.07E-07	4.17E-07	1.83E-07	7.69E-08	2.60E-07	1.51E-07	4.66E-08	1.98E-07
1871	564535.75	4191431.56	1.94E-06	6.89E-07	2.63E-06	3.11E-07	1.08E-07	4.19E-07	1.83E-07	7.73E-08	2.61E-07	1.52E-07	4.68E-08	1.99E-07
1872	564527.35	4191445.02	1.89E-06	6.73E-07	2.57E-06	3.04E-07	1.05E-07	4.09E-07	1.79E-07	7.55E-08	2.55E-07	1.49E-07	4.57E-08	1.94E-07
1873	564518.95	4191458.48	1.81E-06	6.44E-07	2.46E-06	2.91E-07	1.01E-07	3.92E-07	1.72E-07	7.22E-08	2.44E-07	1.42E-07	4.37E-08	1.86E-07
1874	564510.54	4191471.94	1.72E-06	6.11E-07	2.33E-06	2.76E-07	9.57E-08	3.71E-07	1.63E-07	6.85E-08	2.31E-07	1.35E-07	4.15E-08	1.76E-07
1875	564502.14	4191485.4	1.62E-06	5.77E-07	2.20E-06	2.61E-07	9.05E-08	3.51E-07	1.54E-07	6.48E-08	2.19E-07	1.27E-07	3.92E-08	1.67E-07
1876	564485.33	4191512.32	1.49E-06	5.28E-07	2.01E-06	2.38E-07	8.27E-08	3.21E-07	1.41E-07	5.92E-08	2.00E-07	1.17E-07	3.59E-08	1.52E-07
1877	564476.93	4191525.78	1.42E-06	5.06E-07	1.93E-06	2.29E-07	7.93E-08	3.08E-07	1.35E-07	5.68E-08	1.92E-07	1.12E-07	3.44E-08	1.46E-07
1878	564460.81	4191541.1	1.40E-06	4.97E-07	1.89E-06	2.24E-07	7.78E-08	3.02E-07	1.32E-07	5.57E-08	1.88E-07	1.10E-07	3.37E-08	1.43E-07
1879	564445.38	4191544.81	1.46E-06	5.21E-07	1.99E-06	2.35E-07	8.15E-08	3.17E-07	1.39E-07	5.84E-08	1.97E-07	1.15E-07	3.54E-08	1.50E-07
1880	564429.95	4191548.52	1.53E-06	5.42E-07	2.07E-06	2.45E-07	8.50E-08	3.30E-07	1.44E-07	6.08E-08	2.05E-07	1.20E-07	3.68E-08	1.57E-07
1881	564414.53	4191552.23	1.57E-06	5.58E-07	2.13E-06	2.52E-07	8.75E-08	3.40E-07	1.49E-07	6.26E-08	2.11E-07	1.23E-07	3.79E-08	1.61E-07
1882	564321.95	4191574.49	1.59E-06	5.66E-07	2.16E-06	2.56E-07	8.87E-08	3.44E-07	1.51E-07	6.35E-08	2.14E-07	1.25E-07	3.85E-08	1.63E-07
1883	564545.65	4191433.17	1.78E-06	6.34E-07	2.42E-06	2.86E-07	9.94E-08	3.86E-07	1.69E-07	7.11E-08	2.40E-07	1.40E-07	4.31E-08	1.83E-07
1884	564537.27	4191446.61	1.75E-06	6.22E-07	2.37E-06	2.81E-07	9.75E-08	3.78E-07	1.66E-07	6.98E-08	2.36E-07	1.37E-07	4.23E-08	1.80E-07
1885	564528.88	4191460.04	1.68E-06	5.98E-07	2.28E-06	2.70E-07	9.37E-08	3.64E-07	1.59E-07	6.71E-08	2.26E-07	1.32E-07	4.06E-08	1.73E-07
1886	564520.49	4191473.47	1.60E-06	5.69E-07	2.17E-06	2.57E-07	8.91E-08	3.46E-07	1.52E-07	6.38E-08	2.15E-07	1.26E-07	3.86E-08	1.64E-07

1887	564512.11	4191486.91	1.52E-06	5.39E-07	2.06E-06	2.43E-07	8.45E-08	3.28E-07	1.44E-07	6.05E-08	2.04E-07	1.19E-07	3.66E-08	1.56E-07
1888	564495.34	4191513.77	1.39E-06	4.93E-07	1.88E-06	2.23E-07	7.73E-08	3.00E-07	1.31E-07	5.53E-08	1.87E-07	1.09E-07	3.35E-08	1.42E-07
1889	564486.95	4191527.21	1.34E-06	4.75E-07	1.81E-06	2.14E-07	7.44E-08	2.89E-07	1.26E-07	5.32E-08	1.80E-07	1.05E-07	3.22E-08	1.37E-07
1890	564478.57	4191540.64	1.28E-06	4.56E-07	1.74E-06	2.06E-07	7.14E-08	2.77E-07	1.21E-07	5.11E-08	1.72E-07	1.01E-07	3.09E-08	1.32E-07
1891	564466.67	4191549.21	1.29E-06	4.57E-07	1.74E-06	2.06E-07	7.16E-08	2.78E-07	1.22E-07	5.13E-08	1.73E-07	1.01E-07	3.10E-08	1.32E-07
1892	564451.28	4191552.91	1.35E-06	4.78E-07	1.82E-06	2.16E-07	7.50E-08	2.91E-07	1.27E-07	5.37E-08	1.81E-07	1.06E-07	3.25E-08	1.38E-07
1893	564435.88	4191556.61	1.40E-06	4.97E-07	1.90E-06	2.25E-07	7.79E-08	3.02E-07	1.32E-07	5.58E-08	1.88E-07	1.10E-07	3.38E-08	1.44E-07
1894	564420.48	4191560.32	1.44E-06	5.13E-07	1.96E-06	2.32E-07	8.04E-08	3.12E-07	1.37E-07	5.76E-08	1.94E-07	1.13E-07	3.49E-08	1.48E-07
1895	564343.5	4191578.83	1.50E-06	5.33E-07	2.03E-06	2.41E-07	8.35E-08	3.24E-07	1.42E-07	5.98E-08	2.02E-07	1.18E-07	3.62E-08	1.54E-07
1896	564328.1	4191582.53	1.48E-06	5.27E-07	2.01E-06	2.38E-07	8.26E-08	3.21E-07	1.40E-07	5.91E-08	2.00E-07	1.16E-07	3.58E-08	1.52E-07
1897	564538.81	4191461.62	1.57E-06	5.57E-07	2.12E-06	2.51E-07	8.72E-08	3.38E-07	1.48E-07	6.24E-08	2.11E-07	1.23E-07	3.78E-08	1.61E-07
1898	564530.44	4191475.02	1.49E-06	5.31E-07	2.03E-06	2.40E-07	8.32E-08	3.23E-07	1.41E-07	5.96E-08	2.01E-07	1.17E-07	3.61E-08	1.53E-07
1899	564522.07	4191488.43	1.42E-06	5.05E-07	1.93E-06	2.28E-07	7.91E-08	3.07E-07	1.35E-07	5.66E-08	1.91E-07	1.11E-07	3.43E-08	1.46E-07
1900	564505.33	4191515.25	1.30E-06	4.62E-07	1.76E-06	2.09E-07	7.24E-08	2.81E-07	1.23E-07	5.18E-08	1.75E-07	1.02E-07	3.14E-08	1.33E-07
1901	564496.96	4191528.66	1.25E-06	4.45E-07	1.70E-06	2.01E-07	6.98E-08	2.71E-07	1.19E-07	5.00E-08	1.69E-07	9.83E-08	3.02E-08	1.29E-07
1902	564488.59	4191542.06	1.21E-06	4.29E-07	1.64E-06	1.94E-07	6.72E-08	2.61E-07	1.14E-07	4.81E-08	1.62E-07	9.47E-08	2.91E-08	1.24E-07
1903	564472.53	4191557.32	1.19E-06	4.22E-07	1.61E-06	1.90E-07	6.61E-08	2.57E-07	1.12E-07	4.73E-08	1.60E-07	9.31E-08	2.87E-08	1.22E-07
1904	564457.17	4191561.01	1.24E-06	4.41E-07	1.68E-06	1.99E-07	6.91E-08	2.68E-07	1.18E-07	4.95E-08	1.67E-07	9.74E-08	3.00E-08	1.27E-07
1905	564441.8	4191564.71	1.29E-06	4.58E-07	1.75E-06	2.07E-07	7.18E-08	2.79E-07	1.22E-07	5.14E-08	1.74E-07	1.01E-07	3.11E-08	1.32E-07
1906	564426.43	4191568.41	1.33E-06	4.73E-07	1.81E-06	2.14E-07	7.41E-08	2.88E-07	1.26E-07	5.31E-08	1.79E-07	1.04E-07	3.22E-08	1.37E-07
1907	564411.06	4191572.1	1.36E-06	4.84E-07	1.85E-06	2.19E-07	7.58E-08	2.94E-07	1.29E-07	5.43E-08	1.83E-07	1.07E-07	3.29E-08	1.40E-07
1908	564349.59	4191586.88	1.39E-06	4.95E-07	1.89E-06	2.24E-07	7.76E-08	3.01E-07	1.32E-07	5.56E-08	1.88E-07	1.09E-07	3.37E-08	1.43E-07
1909	564334.22	4191590.58	1.38E-06	4.91E-07	1.87E-06	2.22E-07	7.70E-08	2.99E-07	1.31E-07	5.51E-08	1.86E-07	1.08E-07	3.34E-08	1.42E-07
1910	564318.85	4191594.27	1.36E-06	4.84E-07	1.85E-06	2.19E-07	7.59E-08	2.95E-07	1.29E-07	5.43E-08	1.83E-07	1.07E-07	3.29E-08	1.40E-07
1911	564580.58	4191377.29	1.52E-06	5.41E-07	2.06E-06	2.44E-07	8.47E-08	3.29E-07	1.44E-07	6.07E-08	2.05E-07	1.19E-07	3.67E-08	1.56E-07
1912	564583.32	4191361.3	1.54E-06	5.48E-07	2.09E-06	2.48E-07	8.59E-08	3.33E-07	1.46E-07	6.15E-08	2.08E-07	1.21E-07	3.72E-08	1.58E-07
1913	564515.31	4191516.74	1.22E-06	4.35E-07	1.66E-06	1.96E-07	6.81E-08	2.64E-07	1.16E-07	4.88E-08	1.65E-07	9.59E-08	2.95E-08	1.25E-07
1914	564506.95	4191530.12	1.18E-06	4.19E-07	1.60E-06	1.89E-07	6.56E-08	2.55E-07	1.12E-07	4.70E-08	1.58E-07	9.24E-08	2.84E-08	1.21E-07
1915	564498.6	4191543.51	1.14E-06	4.04E-07	1.54E-06	1.82E-07	6.33E-08	2.46E-07	1.08E-07	4.53E-08	1.53E-07	8.92E-08	2.74E-08	1.17E-07
1916	564490.24	4191556.89	1.10E-06	3.89E-07	1.48E-06	1.76E-07	6.10E-08	2.37E-07	1.04E-07	4.37E-08	1.47E-07	8.59E-08	2.64E-08	1.12E-07
1917	564478.39	4191565.43	1.10E-06	3.91E-07	1.49E-06	1.76E-07	6.12E-08	2.38E-07	1.04E-07	4.38E-08	1.48E-07	8.62E-08	2.65E-08	1.13E-07
1918	564463.05	4191569.12	1.15E-06	4.08E-07	1.56E-06	1.84E-07	6.39E-08	2.48E-07	1.09E-07	4.58E-08	1.54E-07	9.01E-08	2.77E-08	1.18E-07
1919	564447.71	4191572.81	1.19E-06	4.24E-07	1.62E-06	1.91E-07	6.64E-08	2.58E-07	1.13E-07	4.75E-08	1.60E-07	9.36E-08	2.88E-08	1.22E-07
1920	564432.37	4191576.5	1.23E-06	4.37E-07	1.67E-06	1.97E-07	6.85E-08	2.66E-07	1.16E-07	4.90E-08	1.65E-07	9.65E-08	2.97E-08	1.26E-07
1921	564417.03	4191580.19	1.26E-06	4.48E-07	1.71E-06	2.02E-07	7.02E-08	2.72E-07	1.19E-07	5.03E-08	1.70E-07	9.89E-08	3.04E-08	1.29E-07
1922	564355.66	4191594.94	1.30E-06	4.61E-07	1.76E-06	2.08E-07	7.23E-08	2.81E-07	1.23E-07	5.18E-08	1.75E-07	1.02E-07	3.13E-08	1.33E-07
1923	564340.32	4191598.63	1.29E-06	4.59E-07	1.75E-06	2.07E-07	7.19E-08	2.79E-07	1.22E-07	5.15E-08	1.74E-07	1.01E-07	3.12E-08	1.32E-07
1924	564324.98	4191602.32	1.28E-06	4.54E-07	1.73E-06	2.05E-07	7.11E-08	2.76E-07	1.21E-07	5.09E-08	1.72E-07	1.00E-07	3.08E-08	1.31E-07
1925	564590.44	4191378.98	1.40E-06	4.97E-07	1.90E-06	2.24E-07	7.79E-08	3.02E-07	1.32E-07	5.58E-08	1.88E-07	1.10E-07	3.38E-08	1.44E-07
1926	564593.18	4191362.99	1.42E-06	5.03E-07	1.92E-06	2.27E-07	7.88E-08	3.06E-07	1.34E-07	5.64E-08	1.90E-07	1.11E-07	3.42E-08	1.45E-07
1927	564516.94	4191531.61	1.11E-06	3.95E-07	1.51E-06	1.78E-07	6.18E-08	2.40E-07	1.05E-07	4.43E-08	1.49E-07	8.71E-08	2.68E-08	1.14E-07
1928	564508.59	4191544.97	1.07E-06	3.81E-07	1.45E-06	1.72E-07	5.97E-08	2.32E-07	1.01E-07	4.27E-08	1.44E-07	8.41E-08	2.59E-08	1.10E-07

1929	564500.25	4191558.33	1.04E-06	3.68E-07	1.40E-06	1.66E-07	5.76E-08	2.24E-07	9.80E-08	4.13E-08	1.39E-07	8.12E-08	2.50E-08	1.06E-07
1930	564484.25	4191573.54	1.02E-06	3.63E-07	1.38E-06	1.64E-07	5.68E-08	2.21E-07	9.66E-08	4.07E-08	1.37E-07	8.01E-08	2.46E-08	1.05E-07
1931	564468.93	4191577.22	1.07E-06	3.79E-07	1.44E-06	1.71E-07	5.93E-08	2.30E-07	1.01E-07	4.25E-08	1.43E-07	8.36E-08	2.57E-08	1.09E-07
1932	564453.62	4191580.91	1.11E-06	3.93E-07	1.50E-06	1.77E-07	6.15E-08	2.39E-07	1.05E-07	4.41E-08	1.49E-07	8.67E-08	2.67E-08	1.13E-07
1933	564407.67	4191591.96	1.19E-06	4.23E-07	1.61E-06	1.91E-07	6.62E-08	2.57E-07	1.13E-07	4.74E-08	1.60E-07	9.34E-08	2.87E-08	1.22E-07
1934	564346.4	4191606.69	1.21E-06	4.29E-07	1.64E-06	1.94E-07	6.72E-08	2.61E-07	1.14E-07	4.81E-08	1.62E-07	9.47E-08	2.91E-08	1.24E-07
1935	564331.08	4191610.37	1.20E-06	4.25E-07	1.62E-06	1.92E-07	6.66E-08	2.59E-07	1.13E-07	4.77E-08	1.61E-07	9.39E-08	2.89E-08	1.23E-07
1936	564315.77	4191614.05	1.18E-06	4.19E-07	1.60E-06	1.89E-07	6.57E-08	2.55E-07	1.12E-07	4.71E-08	1.59E-07	9.26E-08	2.85E-08	1.21E-07
1937	564603.04	4191364.68	1.30E-06	4.63E-07	1.76E-06	2.09E-07	7.25E-08	2.81E-07	1.23E-07	5.19E-08	1.75E-07	1.02E-07	3.14E-08	1.34E-07
1938	564526.91	4191533.11	1.05E-06	3.72E-07	1.42E-06	1.68E-07	5.83E-08	2.26E-07	9.92E-08	4.18E-08	1.41E-07	8.22E-08	2.53E-08	1.08E-07
1939	564518.58	4191546.45	1.01E-06	3.60E-07	1.37E-06	1.62E-07	5.63E-08	2.19E-07	9.58E-08	4.03E-08	1.36E-07	7.94E-08	2.44E-08	1.04E-07
1940	564510.25	4191559.8	9.79E-07	3.48E-07	1.33E-06	1.57E-07	5.45E-08	2.12E-07	9.27E-08	3.90E-08	1.32E-07	7.68E-08	2.36E-08	1.00E-07
1941	564501.92	4191573.14	9.46E-07	3.36E-07	1.28E-06	1.52E-07	5.27E-08	2.04E-07	8.95E-08	3.77E-08	1.27E-07	7.42E-08	2.28E-08	9.70E-08
1942	564490.11	4191581.65	9.50E-07	3.38E-07	1.29E-06	1.52E-07	5.29E-08	2.05E-07	8.99E-08	3.79E-08	1.28E-07	7.45E-08	2.29E-08	9.74E-08
1943	564474.81	4191585.33	9.90E-07	3.52E-07	1.34E-06	1.59E-07	5.51E-08	2.14E-07	9.38E-08	3.95E-08	1.33E-07	7.77E-08	2.39E-08	1.02E-07
1944	564428.93	4191596.36	1.09E-06	3.87E-07	1.47E-06	1.75E-07	6.06E-08	2.35E-07	1.03E-07	4.34E-08	1.46E-07	8.54E-08	2.63E-08	1.12E-07
1945	564413.64	4191600.04	1.11E-06	3.94E-07	1.50E-06	1.78E-07	6.17E-08	2.40E-07	1.05E-07	4.42E-08	1.49E-07	8.70E-08	2.68E-08	1.14E-07
1946	564352.46	4191614.75	1.13E-06	4.02E-07	1.53E-06	1.81E-07	6.30E-08	2.44E-07	1.07E-07	4.51E-08	1.52E-07	8.87E-08	2.73E-08	1.16E-07
1947	564337.17	4191618.43	1.12E-06	3.99E-07	1.52E-06	1.80E-07	6.26E-08	2.43E-07	1.06E-07	4.48E-08	1.51E-07	8.82E-08	2.71E-08	1.15E-07
1948	564321.87	4191622.1	1.11E-06	3.95E-07	1.51E-06	1.78E-07	6.19E-08	2.40E-07	1.05E-07	4.43E-08	1.50E-07	8.72E-08	2.68E-08	1.14E-07
1949	564528.56	4191547.95	9.56E-07	3.40E-07	1.30E-06	1.53E-07	5.32E-08	2.07E-07	9.05E-08	3.81E-08	1.29E-07	7.50E-08	2.31E-08	9.81E-08
1950	564520.24	4191561.27	9.26E-07	3.29E-07	1.26E-06	1.49E-07	5.16E-08	2.00E-07	8.77E-08	3.69E-08	1.25E-07	7.27E-08	2.24E-08	9.50E-08
1951	564511.92	4191574.6	8.98E-07	3.19E-07	1.22E-06	1.44E-07	5.00E-08	1.94E-07	8.50E-08	3.58E-08	1.21E-07	7.04E-08	2.17E-08	9.21E-08
1952	564495.96	4191589.76	8.86E-07	3.15E-07	1.20E-06	1.42E-07	4.93E-08	1.92E-07	8.39E-08	3.53E-08	1.19E-07	6.95E-08	2.14E-08	9.09E-08
1953	564450.15	4191600.78	9.88E-07	3.51E-07	1.34E-06	1.59E-07	5.50E-08	2.14E-07	9.35E-08	3.94E-08	1.33E-07	7.75E-08	2.38E-08	1.01E-07
1954	564434.87	4191604.45	1.01E-06	3.60E-07	1.37E-06	1.63E-07	5.64E-08	2.19E-07	9.60E-08	4.04E-08	1.36E-07	7.95E-08	2.45E-08	1.04E-07
1955	564419.6	4191608.12	1.03E-06	3.68E-07	1.40E-06	1.66E-07	5.76E-08	2.24E-07	9.79E-08	4.12E-08	1.39E-07	8.11E-08	2.50E-08	1.06E-07
1956	564404.33	4191611.8	1.05E-06	3.72E-07	1.42E-06	1.68E-07	5.83E-08	2.26E-07	9.92E-08	4.18E-08	1.41E-07	8.22E-08	2.53E-08	1.07E-07
1957	564343.23	4191626.49	1.06E-06	3.75E-07	1.43E-06	1.69E-07	5.88E-08	2.28E-07	1.00E-07	4.21E-08	1.42E-07	8.29E-08	2.55E-08	1.08E-07
1958	564327.96	4191630.16	1.05E-06	3.72E-07	1.42E-06	1.68E-07	5.83E-08	2.26E-07	9.91E-08	4.17E-08	1.41E-07	8.21E-08	2.53E-08	1.07E-07
1959	564312.69	4191633.83	1.03E-06	3.67E-07	1.40E-06	1.66E-07	5.75E-08	2.23E-07	9.77E-08	4.12E-08	1.39E-07	8.10E-08	2.49E-08	1.06E-07
1960	564617.27	4191400.04	1.12E-06	4.00E-07	1.52E-06	1.80E-07	6.26E-08	2.43E-07	1.06E-07	4.48E-08	1.51E-07	8.83E-08	2.72E-08	1.15E-07
1961	564620.01	4191384.05	1.11E-06	3.94E-07	1.50E-06	1.78E-07	6.18E-08	2.40E-07	1.05E-07	4.42E-08	1.49E-07	8.70E-08	2.68E-08	1.14E-07
1962	564622.75	4191368.05	1.11E-06	3.95E-07	1.51E-06	1.78E-07	6.18E-08	2.40E-07	1.05E-07	4.43E-08	1.49E-07	8.71E-08	2.68E-08	1.14E-07
1963	564604.99	4191442.99	1.14E-06	4.06E-07	1.55E-06	1.83E-07	6.36E-08	2.47E-07	1.08E-07	4.55E-08	1.54E-07	8.96E-08	2.76E-08	1.17E-07
1964	564530.22	4191562.77	8.77E-07	3.12E-07	1.19E-06	1.41E-07	4.88E-08	1.90E-07	8.30E-08	3.50E-08	1.18E-07	6.88E-08	2.12E-08	9.00E-08
1965	564521.91	4191576.08	8.52E-07	3.03E-07	1.15E-06	1.37E-07	4.74E-08	1.84E-07	8.06E-08	3.40E-08	1.15E-07	6.68E-08	2.06E-08	8.74E-08
1966	564513.6	4191589.38	8.25E-07	2.93E-07	1.12E-06	1.32E-07	4.60E-08	1.78E-07	7.81E-08	3.29E-08	1.11E-07	6.48E-08	1.99E-08	8.47E-08
1967	564471.31	4191605.21	8.94E-07	3.18E-07	1.21E-06	1.43E-07	4.98E-08	1.93E-07	8.46E-08	3.56E-08	1.20E-07	7.01E-08	2.16E-08	9.17E-08
1968	564456.06	4191608.88	9.23E-07	3.28E-07	1.25E-06	1.48E-07	5.14E-08	1.99E-07	8.73E-08	3.68E-08	1.24E-07	7.24E-08	2.23E-08	9.47E-08
1969	564440.81	4191612.54	9.47E-07	3.37E-07	1.28E-06	1.52E-07	5.27E-08	2.05E-07	8.96E-08	3.77E-08	1.27E-07	7.43E-08	2.29E-08	9.71E-08
1970	564425.55	4191616.21	9.67E-07	3.44E-07	1.31E-06	1.55E-07	5.38E-08	2.09E-07	9.15E-08	3.85E-08	1.30E-07	7.59E-08	2.33E-08	9.92E-08

1971	564410.3	4191619.88	9.81E-07	3.49E-07	1.33E-06	1.57E-07	5.46E-08	2.12E-07	9.28E-08	3.91E-08	1.32E-07	7.69E-08	2.37E-08	1.01E-07
1972	564349.28	4191634.55	9.94E-07	3.53E-07	1.35E-06	1.59E-07	5.53E-08	2.15E-07	9.41E-08	3.96E-08	1.34E-07	7.80E-08	2.40E-08	1.02E-07
1973	564334.03	4191638.22	9.87E-07	3.51E-07	1.34E-06	1.58E-07	5.50E-08	2.13E-07	9.35E-08	3.94E-08	1.33E-07	7.75E-08	2.38E-08	1.01E-07
1974	564318.78	4191641.89	9.76E-07	3.47E-07	1.32E-06	1.57E-07	5.43E-08	2.11E-07	9.24E-08	3.89E-08	1.31E-07	7.66E-08	2.36E-08	1.00E-07
1975	564627.12	4191401.73	1.05E-06	3.73E-07	1.42E-06	1.68E-07	5.84E-08	2.27E-07	9.93E-08	4.18E-08	1.41E-07	8.23E-08	2.53E-08	1.08E-07
1976	564629.86	4191385.74	1.03E-06	3.67E-07	1.40E-06	1.66E-07	5.75E-08	2.23E-07	9.77E-08	4.12E-08	1.39E-07	8.10E-08	2.49E-08	1.06E-07
1977	564632.6	4191369.74	1.03E-06	3.66E-07	1.40E-06	1.65E-07	5.74E-08	2.23E-07	9.76E-08	4.11E-08	1.39E-07	8.09E-08	2.49E-08	1.06E-07
1978	564614.87	4191444.64	1.07E-06	3.80E-07	1.45E-06	1.71E-07	5.95E-08	2.31E-07	1.01E-07	4.26E-08	1.44E-07	8.38E-08	2.58E-08	1.10E-07
1979	564606.57	4191457.94	1.07E-06	3.81E-07	1.45E-06	1.72E-07	5.97E-08	2.32E-07	1.01E-07	4.27E-08	1.44E-07	8.41E-08	2.59E-08	1.10E-07
1980	564598.27	4191471.23	1.06E-06	3.75E-07	1.43E-06	1.69E-07	5.88E-08	2.28E-07	9.99E-08	4.21E-08	1.42E-07	8.28E-08	2.55E-08	1.08E-07
1981	564540.19	4191564.27	8.33E-07	2.96E-07	1.13E-06	1.34E-07	4.64E-08	1.80E-07	7.89E-08	3.32E-08	1.12E-07	6.53E-08	2.01E-08	8.55E-08
1982	564531.89	4191577.57	8.09E-07	2.87E-07	1.10E-06	1.30E-07	4.50E-08	1.75E-07	7.66E-08	3.23E-08	1.09E-07	6.35E-08	1.95E-08	8.30E-08
1983	564523.59	4191590.86	7.86E-07	2.79E-07	1.07E-06	1.26E-07	4.38E-08	1.70E-07	7.44E-08	3.13E-08	1.06E-07	6.17E-08	1.90E-08	8.07E-08
1984	564492.44	4191609.65	8.08E-07	2.87E-07	1.09E-06	1.30E-07	4.50E-08	1.75E-07	7.64E-08	3.22E-08	1.09E-07	6.34E-08	1.95E-08	8.28E-08
1985	564477.2	4191613.31	8.37E-07	2.97E-07	1.13E-06	1.34E-07	4.66E-08	1.81E-07	7.92E-08	3.34E-08	1.13E-07	6.56E-08	2.02E-08	8.58E-08
1986	564461.97	4191616.97	8.63E-07	3.07E-07	1.17E-06	1.39E-07	4.81E-08	1.87E-07	8.17E-08	3.44E-08	1.16E-07	6.77E-08	2.08E-08	8.86E-08
1987	564446.73	4191620.64	8.86E-07	3.15E-07	1.20E-06	1.42E-07	4.93E-08	1.92E-07	8.39E-08	3.53E-08	1.19E-07	6.95E-08	2.14E-08	9.09E-08
1988	564431.5	4191624.3	9.05E-07	3.22E-07	1.23E-06	1.45E-07	5.04E-08	1.96E-07	8.56E-08	3.61E-08	1.22E-07	7.10E-08	2.18E-08	9.28E-08
1989	564416.26	4191627.96	9.18E-07	3.26E-07	1.24E-06	1.47E-07	5.11E-08	1.98E-07	8.69E-08	3.66E-08	1.24E-07	7.21E-08	2.22E-08	9.42E-08
1990	564340.08	4191646.28	9.32E-07	3.31E-07	1.26E-06	1.50E-07	5.19E-08	2.01E-07	8.82E-08	3.72E-08	1.25E-07	7.31E-08	2.25E-08	9.56E-08
1991	564324.85	4191649.95	9.23E-07	3.28E-07	1.25E-06	1.48E-07	5.14E-08	2.00E-07	8.74E-08	3.68E-08	1.24E-07	7.24E-08	2.23E-08	9.47E-08
1992	564309.61	4191653.61	9.10E-07	3.24E-07	1.23E-06	1.46E-07	5.07E-08	1.97E-07	8.62E-08	3.63E-08	1.22E-07	7.14E-08	2.20E-08	9.34E-08
1993	564636.98	4191403.42	9.79E-07	3.48E-07	1.33E-06	1.57E-07	5.45E-08	2.11E-07	9.26E-08	3.90E-08	1.32E-07	7.68E-08	2.36E-08	1.00E-07
1994	564639.72	4191387.42	9.63E-07	3.42E-07	1.30E-06	1.54E-07	5.36E-08	2.08E-07	9.11E-08	3.84E-08	1.30E-07	7.55E-08	2.32E-08	9.88E-08
1995	564642.46	4191371.43	9.58E-07	3.41E-07	1.30E-06	1.54E-07	5.34E-08	2.07E-07	9.07E-08	3.82E-08	1.29E-07	7.52E-08	2.31E-08	9.83E-08
1996	564632.61	4191433.7	9.79E-07	3.48E-07	1.33E-06	1.57E-07	5.45E-08	2.12E-07	9.27E-08	3.90E-08	1.32E-07	7.68E-08	2.36E-08	1.00E-07
1997	564624.03	4191447.44	1.00E-06	3.56E-07	1.36E-06	1.61E-07	5.58E-08	2.16E-07	9.48E-08	3.99E-08	1.35E-07	7.86E-08	2.42E-08	1.03E-07
1998	564615.46	4191461.18	1.01E-06	3.57E-07	1.36E-06	1.61E-07	5.60E-08	2.17E-07	9.52E-08	4.01E-08	1.35E-07	7.89E-08	2.43E-08	1.03E-07
1999	564606.88	4191474.91	9.90E-07	3.52E-07	1.34E-06	1.59E-07	5.51E-08	2.14E-07	9.37E-08	3.95E-08	1.33E-07	7.77E-08	2.39E-08	1.02E-07
2000	564598.31	4191488.65	9.61E-07	3.42E-07	1.30E-06	1.54E-07	5.35E-08	2.08E-07	9.10E-08	3.83E-08	1.29E-07	7.54E-08	2.32E-08	9.86E-08
2001	564589.73	4191502.38	9.25E-07	3.29E-07	1.25E-06	1.48E-07	5.15E-08	2.00E-07	8.76E-08	3.69E-08	1.24E-07	7.26E-08	2.23E-08	9.49E-08
2002	564538.29	4191584.79	7.61E-07	2.70E-07	1.03E-06	1.22E-07	4.24E-08	1.64E-07	7.20E-08	3.03E-08	1.02E-07	5.97E-08	1.84E-08	7.81E-08
2003	564529.71	4191598.53	7.40E-07	2.63E-07	1.00E-06	1.19E-07	4.12E-08	1.60E-07	7.01E-08	2.95E-08	9.96E-08	5.81E-08	1.79E-08	7.59E-08
2004	564513.27	4191614.16	7.32E-07	2.60E-07	9.92E-07	1.17E-07	4.07E-08	1.58E-07	6.93E-08	2.92E-08	9.84E-08	5.74E-08	1.77E-08	7.51E-08
2005	564497.52	4191617.94	7.59E-07	2.70E-07	1.03E-06	1.22E-07	4.23E-08	1.64E-07	7.19E-08	3.03E-08	1.02E-07	5.95E-08	1.83E-08	7.79E-08
2006	564481.78	4191621.73	7.87E-07	2.80E-07	1.07E-06	1.26E-07	4.38E-08	1.70E-07	7.45E-08	3.14E-08	1.06E-07	6.17E-08	1.90E-08	8.07E-08
2007	564466.04	4191625.52	8.12E-07	2.89E-07	1.10E-06	1.30E-07	4.52E-08	1.76E-07	7.69E-08	3.24E-08	1.09E-07	6.37E-08	1.96E-08	8.33E-08
2008	564450.29	4191629.3	8.34E-07	2.97E-07	1.13E-06	1.34E-07	4.65E-08	1.80E-07	7.90E-08	3.33E-08	1.12E-07	6.55E-08	2.01E-08	8.56E-08
2009	564434.55	4191633.09	8.52E-07	3.03E-07	1.15E-06	1.37E-07	4.74E-08	1.84E-07	8.06E-08	3.40E-08	1.15E-07	6.68E-08	2.06E-08	8.74E-08
2010	564418.81	4191636.87	8.64E-07	3.07E-07	1.17E-06	1.39E-07	4.81E-08	1.87E-07	8.18E-08	3.45E-08	1.16E-07	6.78E-08	2.09E-08	8.87E-08
2011	564340.09	4191655.8	8.78E-07	3.12E-07	1.19E-06	1.41E-07	4.89E-08	1.90E-07	8.31E-08	3.50E-08	1.18E-07	6.89E-08	2.12E-08	9.01E-08
2012	564324.35	4191659.59	8.69E-07	3.09E-07	1.18E-06	1.39E-07	4.84E-08	1.88E-07	8.23E-08	3.46E-08	1.17E-07	6.82E-08	2.10E-08	8.92E-08

2013	564646.84	4191405.11	9.15E-07	3.25E-07	1.24E-06	1.47E-07	5.09E-08	1.98E-07	8.66E-08	3.65E-08	1.23E-07	7.18E-08	2.21E-08	9.39E-08
2014	564649.58	4191389.11	8.99E-07	3.20E-07	1.22E-06	1.44E-07	5.01E-08	1.94E-07	8.52E-08	3.59E-08	1.21E-07	7.06E-08	2.17E-08	9.23E-08
2015	564652.32	4191373.12	8.94E-07	3.18E-07	1.21E-06	1.43E-07	4.98E-08	1.93E-07	8.46E-08	3.56E-08	1.20E-07	7.01E-08	2.16E-08	9.17E-08

			T2		T2L3		T4i		T4f
			536	564301.89					
			1.34E-03	5.15E-04	2.15E-04	8.06E-05	1.27E-04	5.77E-05	1.05E-04
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1
1	564348.44	4191310.91	1.45E-01	5.58E-02	2.33E-02	8.75E-03	1.37E-02	6.26E-03	1.14E-02
2	564338.61	4191309.25	9.32E-02	3.59E-02	1.49E-02	5.62E-03	8.82E-03	4.02E-03	7.31E-03
3	564328.78	4191307.59	4.78E-02	1.84E-02	7.66E-03	2.88E-03	4.52E-03	2.06E-03	3.75E-03
4	564318.95	4191305.93	2.72E-02	1.05E-02	4.37E-03	1.64E-03	2.58E-03	1.18E-03	2.14E-03
5	564356.59	4191305.12	1.28E-01	4.94E-02	2.06E-02	7.74E-03	1.22E-02	5.54E-03	1.01E-02
6	564364.78	4191316.67	1.83E-01	7.03E-02	2.93E-02	1.10E-02	1.73E-02	7.88E-03	1.43E-02
7	564340.27	4191299.39	6.68E-02	2.57E-02	1.07E-02	4.03E-03	6.33E-03	2.88E-03	5.24E-03
8	564330.44	4191297.73	4.07E-02	1.56E-02	6.52E-03	2.45E-03	3.85E-03	1.76E-03	3.19E-03
9	564320.61	4191296.07	2.43E-02	9.34E-03	3.89E-03	1.46E-03	2.30E-03	1.05E-03	1.90E-03
10	564358.26	4191295.26	7.88E-02	3.03E-02	1.26E-02	4.75E-03	7.46E-03	3.40E-03	6.18E-03
11	564372.94	4191310.89	1.42E-01	5.46E-02	2.28E-02	8.56E-03	1.34E-02	6.13E-03	1.11E-02
12	564341.94	4191289.53	4.61E-02	1.77E-02	7.39E-03	2.78E-03	4.36E-03	1.99E-03	3.61E-03
13	564332.11	4191287.87	3.20E-02	1.23E-02	5.14E-03	1.93E-03	3.03E-03	1.38E-03	2.51E-03
14	564322.28	4191286.21	2.08E-02	8.00E-03	3.34E-03	1.25E-03	1.97E-03	8.98E-04	1.63E-03
15	564359.92	4191285.4	5.05E-02	1.94E-02	8.10E-03	3.04E-03	4.78E-03	2.18E-03	3.96E-03
16	564372.91	4191293.55	7.57E-02	2.91E-02	1.21E-02	4.56E-03	7.17E-03	3.27E-03	5.94E-03
17	564381.1	4191305.1	1.06E-01	4.07E-02	1.70E-02	6.38E-03	1.00E-02	4.57E-03	8.30E-03
18	564384.5	4191320.05	1.09E-01	4.20E-02	1.75E-02	6.58E-03	1.03E-02	4.71E-03	8.57E-03
19	564343.6	4191279.67	3.31E-02	1.27E-02	5.31E-03	2.00E-03	3.13E-03	1.43E-03	2.60E-03
20	564333.77	4191278.01	2.50E-02	9.64E-03	4.02E-03	1.51E-03	2.37E-03	1.08E-03	1.96E-03
21	564323.94	4191276.35	1.76E-02	6.76E-03	2.82E-03	1.06E-03	1.66E-03	7.59E-04	1.38E-03
22	564379.44	4191286.75	5.63E-02	2.17E-02	9.04E-03	3.40E-03	5.33E-03	2.43E-03	4.42E-03
23	564356.76	4191261.61	2.19E-02	8.44E-03	3.52E-03	1.32E-03	2.08E-03	9.47E-04	1.72E-03
24	564346.93	4191259.95	1.93E-02	7.43E-03	3.10E-03	1.16E-03	1.83E-03	8.34E-04	1.52E-03
25	564337.1	4191258.29	1.61E-02	6.18E-03	2.58E-03	9.68E-04	1.52E-03	6.93E-04	1.26E-03
26	564327.27	4191256.63	1.26E-02	4.83E-03	2.01E-03	7.57E-04	1.19E-03	5.42E-04	9.85E-04
27	564366	4191256.5	1.99E-02	7.67E-03	3.20E-03	1.20E-03	1.89E-03	8.61E-04	1.56E-03
28	564381.15	4191266.01	2.68E-02	1.03E-02	4.30E-03	1.62E-03	2.54E-03	1.16E-03	2.10E-03
29	564348.6	4191250.09	1.55E-02	5.95E-03	2.48E-03	9.32E-04	1.46E-03	6.68E-04	1.21E-03
30	564338.77	4191248.43	1.32E-02	5.06E-03	2.11E-03	7.93E-04	1.24E-03	5.68E-04	1.03E-03
31	564328.94	4191246.77	1.07E-02	4.12E-03	1.72E-03	6.45E-04	1.01E-03	4.62E-04	8.39E-04
32	564367.51	4191246.54	1.58E-02	6.08E-03	2.54E-03	9.53E-04	1.50E-03	6.82E-04	1.24E-03
33	564382.35	4191255.86	2.01E-02	7.72E-03	3.22E-03	1.21E-03	1.90E-03	8.66E-04	1.57E-03
34	564350.26	4191240.23	1.26E-02	4.85E-03	2.02E-03	7.60E-04	1.19E-03	5.44E-04	9.89E-04
35	564340.43	4191238.57	1.09E-02	4.21E-03	1.76E-03	6.59E-04	1.04E-03	4.72E-04	8.58E-04
36	564330.6	4191236.91	9.19E-03	3.54E-03	1.47E-03	5.54E-04	8.70E-04	3.97E-04	7.21E-04
37	564370.1	4191237.27	1.31E-02	5.03E-03	2.10E-03	7.89E-04	1.24E-03	5.65E-04	1.03E-03
38	564378.45	4191242.51	1.46E-02	5.63E-03	2.35E-03	8.82E-04	1.39E-03	6.32E-04	1.15E-03
39	564386.8	4191247.75	1.64E-02	6.32E-03	2.63E-03	9.90E-04	1.55E-03	7.09E-04	1.29E-03
40	564431.11	4191316.75	3.30E-02	1.27E-02	5.29E-03	1.99E-03	3.12E-03	1.42E-03	2.59E-03
41	564433.29	4191326.36	2.58E-02	9.92E-03	4.13E-03	1.55E-03	2.44E-03	1.11E-03	2.02E-03
42	564361.76	4191232.03	1.15E-02	4.42E-03	1.84E-03	6.93E-04	1.09E-03	4.96E-04	9.02E-04
43	564351.93	4191230.37	1.04E-02	4.02E-03	1.68E-03	6.29E-04	9.88E-04	4.51E-04	8.19E-04
44	564342.1	4191228.71	9.24E-03	3.56E-03	1.48E-03	5.57E-04	8.75E-04	3.99E-04	7.25E-04
45	564332.27	4191227.05	7.96E-03	3.06E-03	1.28E-03	4.80E-04	7.54E-04	3.44E-04	6.25E-04
46	564371.54	4191227.26	1.09E-02	4.18E-03	1.74E-03	6.55E-04	1.03E-03	4.69E-04	8.52E-04
47	564379.65	4191232.35	1.20E-02	4.61E-03	1.92E-03	7.21E-04	1.13E-03	5.17E-04	9.39E-04
48	564387.76	4191237.45	1.31E-02	5.05E-03	2.11E-03	7.91E-04	1.24E-03	5.66E-04	1.03E-03

49	564436.84	4191300.29	3.35E-02	1.29E-02	5.38E-03	2.02E-03	3.17E-03	1.45E-03	2.63E-03
50	564438.96	4191309.63	3.07E-02	1.18E-02	4.92E-03	1.85E-03	2.91E-03	1.32E-03	2.41E-03
51	564441.08	4191318.97	2.55E-02	9.81E-03	4.09E-03	1.54E-03	2.41E-03	1.10E-03	2.00E-03
52	564443.21	4191328.32	1.97E-02	7.60E-03	3.17E-03	1.19E-03	1.87E-03	8.52E-04	1.55E-03
53	564363.42	4191222.17	9.67E-03	3.72E-03	1.55E-03	5.83E-04	9.15E-04	4.17E-04	7.58E-04
54	564353.59	4191220.51	8.84E-03	3.40E-03	1.42E-03	5.33E-04	8.37E-04	3.82E-04	6.94E-04
55	564343.76	4191218.85	7.93E-03	3.05E-03	1.27E-03	4.78E-04	7.50E-04	3.42E-04	6.22E-04
56	564333.93	4191217.19	6.93E-03	2.67E-03	1.11E-03	4.18E-04	6.56E-04	2.99E-04	5.44E-04
57	564373.02	4191217.29	9.18E-03	3.53E-03	1.47E-03	5.54E-04	8.69E-04	3.96E-04	7.20E-04
58	564380.95	4191222.27	1.00E-02	3.86E-03	1.61E-03	6.04E-04	9.48E-04	4.32E-04	7.86E-04
59	564388.89	4191227.25	1.08E-02	4.16E-03	1.74E-03	6.52E-04	1.02E-03	4.67E-04	8.49E-04
60	564438.57	4191266.27	2.10E-02	8.06E-03	3.36E-03	1.26E-03	1.98E-03	9.04E-04	1.64E-03
61	564446.88	4191302.81	2.77E-02	1.06E-02	4.44E-03	1.67E-03	2.62E-03	1.19E-03	2.17E-03
62	564448.96	4191311.94	2.43E-02	9.34E-03	3.89E-03	1.46E-03	2.30E-03	1.05E-03	1.90E-03
63	564451.04	4191321.08	1.97E-02	7.57E-03	3.16E-03	1.19E-03	1.86E-03	8.50E-04	1.54E-03
64	564453.11	4191330.21	1.53E-02	5.88E-03	2.45E-03	9.21E-04	1.45E-03	6.60E-04	1.20E-03
65	564365.09	4191212.31	8.27E-03	3.18E-03	1.33E-03	4.99E-04	7.83E-04	3.57E-04	6.49E-04
66	564355.26	4191210.65	7.63E-03	2.93E-03	1.22E-03	4.60E-04	7.22E-04	3.29E-04	5.98E-04
67	564345.43	4191208.99	6.89E-03	2.65E-03	1.11E-03	4.15E-04	6.52E-04	2.98E-04	5.41E-04
68	564335.6	4191207.33	6.10E-03	2.35E-03	9.78E-04	3.67E-04	5.77E-04	2.63E-04	4.78E-04
69	564374.54	4191207.34	7.88E-03	3.03E-03	1.26E-03	4.75E-04	7.46E-04	3.40E-04	6.18E-04
70	564382.33	4191212.23	8.53E-03	3.28E-03	1.37E-03	5.14E-04	8.08E-04	3.68E-04	6.69E-04
71	564390.12	4191217.12	9.13E-03	3.51E-03	1.46E-03	5.50E-04	8.64E-04	3.94E-04	7.16E-04
72	564397.91	4191222.01	9.72E-03	3.74E-03	1.56E-03	5.86E-04	9.20E-04	4.19E-04	7.62E-04
73	564436.86	4191246.46	1.44E-02	5.54E-03	2.31E-03	8.67E-04	1.36E-03	6.21E-04	1.13E-03
74	564446.69	4191260.32	1.76E-02	6.79E-03	2.83E-03	1.06E-03	1.67E-03	7.61E-04	1.38E-03
75	564448.73	4191269.29	2.03E-02	7.80E-03	3.25E-03	1.22E-03	1.92E-03	8.75E-04	1.59E-03
76	564456.89	4191305.16	2.25E-02	8.66E-03	3.61E-03	1.36E-03	2.13E-03	9.71E-04	1.77E-03
77	564458.93	4191314.13	1.91E-02	7.37E-03	3.07E-03	1.15E-03	1.81E-03	8.26E-04	1.50E-03
78	564463.01	4191332.07	1.21E-02	4.65E-03	1.94E-03	7.28E-04	1.14E-03	5.21E-04	9.48E-04
79	564366.75	4191202.45	7.16E-03	2.76E-03	1.15E-03	4.32E-04	6.78E-04	3.09E-04	5.62E-04
80	564356.92	4191200.79	6.65E-03	2.56E-03	1.07E-03	4.01E-04	6.30E-04	2.87E-04	5.22E-04
81	564347.09	4191199.13	6.06E-03	2.33E-03	9.72E-04	3.65E-04	5.73E-04	2.61E-04	4.75E-04
82	564337.26	4191197.47	5.41E-03	2.08E-03	8.68E-04	3.26E-04	5.12E-04	2.33E-04	4.24E-04
83	564376.86	4191197.88	6.89E-03	2.65E-03	1.11E-03	4.15E-04	6.53E-04	2.98E-04	5.41E-04
84	564385.29	4191203.18	7.47E-03	2.87E-03	1.20E-03	4.50E-04	7.07E-04	3.22E-04	5.86E-04
85	564393.73	4191208.48	7.97E-03	3.07E-03	1.28E-03	4.80E-04	7.54E-04	3.44E-04	6.25E-04
86	564444.37	4191240.27	1.24E-02	4.78E-03	1.99E-03	7.49E-04	1.18E-03	5.36E-04	9.75E-04
87	564455.02	4191255.28	1.53E-02	5.87E-03	2.45E-03	9.19E-04	1.44E-03	6.58E-04	1.20E-03
88	564457.23	4191265	1.76E-02	6.76E-03	2.82E-03	1.06E-03	1.66E-03	7.58E-04	1.38E-03
89	564459.44	4191274.71	1.98E-02	7.61E-03	3.17E-03	1.19E-03	1.87E-03	8.54E-04	1.55E-03
90	564466.06	4191303.86	1.93E-02	7.41E-03	3.09E-03	1.16E-03	1.82E-03	8.32E-04	1.51E-03
91	564468.27	4191313.58	1.61E-02	6.21E-03	2.59E-03	9.73E-04	1.53E-03	6.96E-04	1.27E-03
92	564470.48	4191323.29	1.28E-02	4.91E-03	2.05E-03	7.69E-04	1.21E-03	5.51E-04	1.00E-03
93	564472.69	4191333.01	9.96E-03	3.83E-03	1.60E-03	6.01E-04	9.43E-04	4.30E-04	7.82E-04
94	564368.42	4191192.58	6.27E-03	2.41E-03	1.01E-03	3.78E-04	5.94E-04	2.71E-04	4.92E-04
95	564358.59	4191190.92	5.86E-03	2.25E-03	9.40E-04	3.53E-04	5.55E-04	2.53E-04	4.60E-04
96	564348.76	4191189.26	5.38E-03	2.07E-03	8.63E-04	3.24E-04	5.09E-04	2.32E-04	4.22E-04
97	564338.93	4191187.6	4.86E-03	1.87E-03	7.79E-04	2.93E-04	4.60E-04	2.10E-04	3.81E-04
98	564378.34	4191187.91	6.04E-03	2.32E-03	9.69E-04	3.64E-04	5.72E-04	2.61E-04	4.74E-04
99	564386.61	4191193.1	6.51E-03	2.50E-03	1.04E-03	3.92E-04	6.16E-04	2.81E-04	5.11E-04
100	564394.87	4191198.28	6.91E-03	2.66E-03	1.11E-03	4.16E-04	6.54E-04	2.98E-04	5.42E-04

101	564444.44	4191229.4	1.02E-02	3.94E-03	1.64E-03	6.17E-04	9.68E-04	4.42E-04	8.03E-04
102	564452.7	4191234.59	1.10E-02	4.21E-03	1.76E-03	6.60E-04	1.04E-03	4.73E-04	8.59E-04
103	564463.13	4191249.29	1.32E-02	5.07E-03	2.11E-03	7.94E-04	1.25E-03	5.69E-04	1.03E-03
104	564465.29	4191258.8	1.50E-02	5.76E-03	2.40E-03	9.02E-04	1.42E-03	6.46E-04	1.17E-03
105	564467.45	4191268.31	1.68E-02	6.47E-03	2.70E-03	1.01E-03	1.59E-03	7.26E-04	1.32E-03
106	564476.11	4191306.36	1.56E-02	6.02E-03	2.51E-03	9.43E-04	1.48E-03	6.75E-04	1.23E-03
107	564478.27	4191315.88	1.29E-02	4.96E-03	2.07E-03	7.76E-04	1.22E-03	5.56E-04	1.01E-03
108	564480.43	4191325.39	1.02E-02	3.94E-03	1.64E-03	6.17E-04	9.69E-04	4.42E-04	8.03E-04
109	564482.6	4191334.9	8.17E-03	3.14E-03	1.31E-03	4.92E-04	7.73E-04	3.53E-04	6.41E-04
110	564370.08	4191182.72	5.54E-03	2.13E-03	8.89E-04	3.34E-04	5.24E-04	2.39E-04	4.35E-04
111	564360.25	4191181.06	5.20E-03	2.00E-03	8.35E-04	3.14E-04	4.92E-04	2.25E-04	4.08E-04
112	564350.42	4191179.4	4.81E-03	1.85E-03	7.72E-04	2.90E-04	4.56E-04	2.08E-04	3.78E-04
113	564340.59	4191177.74	4.39E-03	1.69E-03	7.04E-04	2.64E-04	4.15E-04	1.89E-04	3.44E-04
114	564379.86	4191177.96	5.34E-03	2.05E-03	8.57E-04	3.22E-04	5.06E-04	2.30E-04	4.19E-04
115	564387.98	4191183.05	5.73E-03	2.21E-03	9.19E-04	3.45E-04	5.43E-04	2.47E-04	4.50E-04
116	564396.09	4191188.15	6.07E-03	2.34E-03	9.74E-04	3.66E-04	5.75E-04	2.62E-04	4.76E-04
117	564444.78	4191218.71	8.51E-03	3.27E-03	1.37E-03	5.13E-04	8.06E-04	3.67E-04	6.68E-04
118	564452.89	4191223.8	9.16E-03	3.52E-03	1.47E-03	5.52E-04	8.67E-04	3.95E-04	7.19E-04
119	564461.01	4191228.9	9.74E-03	3.75E-03	1.56E-03	5.87E-04	9.22E-04	4.21E-04	7.64E-04
120	564471.25	4191243.34	1.15E-02	4.44E-03	1.85E-03	6.95E-04	1.09E-03	4.98E-04	9.05E-04
121	564473.37	4191252.68	1.29E-02	4.98E-03	2.08E-03	7.80E-04	1.22E-03	5.59E-04	1.02E-03
122	564475.49	4191262.02	1.44E-02	5.55E-03	2.31E-03	8.69E-04	1.36E-03	6.22E-04	1.13E-03
123	564477.62	4191271.36	1.57E-02	6.06E-03	2.53E-03	9.49E-04	1.49E-03	6.80E-04	1.24E-03
124	564486.12	4191308.73	1.27E-02	4.90E-03	2.04E-03	7.67E-04	1.20E-03	5.49E-04	9.98E-04
125	564488.24	4191318.07	1.04E-02	4.00E-03	1.67E-03	6.27E-04	9.85E-04	4.49E-04	8.16E-04
126	564490.37	4191327.42	8.35E-03	3.21E-03	1.34E-03	5.03E-04	7.90E-04	3.60E-04	6.55E-04
127	564492.49	4191336.76	6.82E-03	2.62E-03	1.09E-03	4.11E-04	6.45E-04	2.94E-04	5.35E-04
128	564371.75	4191172.86	4.93E-03	1.90E-03	7.91E-04	2.97E-04	4.67E-04	2.13E-04	3.87E-04
129	564361.92	4191171.2	4.65E-03	1.79E-03	7.47E-04	2.81E-04	4.41E-04	2.01E-04	3.65E-04
130	564352.09	4191169.54	4.34E-03	1.67E-03	6.95E-04	2.61E-04	4.10E-04	1.87E-04	3.40E-04
131	564342.26	4191167.88	3.98E-03	1.53E-03	6.39E-04	2.40E-04	3.77E-04	1.72E-04	3.13E-04
132	564405.37	4191183.07	5.64E-03	2.17E-03	9.04E-04	3.40E-04	5.34E-04	2.43E-04	4.42E-04
133	564445.32	4191208.14	7.17E-03	2.76E-03	1.15E-03	4.32E-04	6.79E-04	3.10E-04	5.63E-04
134	564453.31	4191213.16	7.71E-03	2.97E-03	1.24E-03	4.65E-04	7.30E-04	3.33E-04	6.05E-04
135	564461.3	4191218.18	8.24E-03	3.17E-03	1.32E-03	4.97E-04	7.80E-04	3.56E-04	6.47E-04
136	564469.29	4191223.19	8.73E-03	3.36E-03	1.40E-03	5.26E-04	8.26E-04	3.77E-04	6.85E-04
137	564479.37	4191237.41	1.02E-02	3.91E-03	1.63E-03	6.13E-04	9.63E-04	4.39E-04	7.98E-04
138	564481.46	4191246.6	1.13E-02	4.35E-03	1.82E-03	6.82E-04	1.07E-03	4.88E-04	8.88E-04
139	564483.55	4191255.8	1.25E-02	4.81E-03	2.00E-03	7.53E-04	1.18E-03	5.39E-04	9.80E-04
140	564485.64	4191265	1.37E-02	5.26E-03	2.19E-03	8.23E-04	1.29E-03	5.90E-04	1.07E-03
141	564487.74	4191274.2	1.45E-02	5.57E-03	2.32E-03	8.72E-04	1.37E-03	6.24E-04	1.13E-03
142	564496.1	4191311	1.04E-02	4.00E-03	1.67E-03	6.27E-04	9.85E-04	4.49E-04	8.16E-04
143	564498.2	4191320.19	8.50E-03	3.27E-03	1.36E-03	5.12E-04	8.05E-04	3.67E-04	6.67E-04
144	564500.29	4191329.39	6.92E-03	2.66E-03	1.11E-03	4.17E-04	6.55E-04	2.99E-04	5.43E-04
145	564502.38	4191338.59	5.78E-03	2.22E-03	9.27E-04	3.48E-04	5.47E-04	2.49E-04	4.53E-04
146	564382.96	4191158.09	4.27E-03	1.64E-03	6.85E-04	2.58E-04	4.04E-04	1.84E-04	3.35E-04
147	564390.84	4191163.04	4.55E-03	1.75E-03	7.30E-04	2.74E-04	4.31E-04	1.96E-04	3.57E-04
148	564446.02	4191197.68	6.14E-03	2.36E-03	9.85E-04	3.70E-04	5.81E-04	2.65E-04	4.82E-04
149	564453.9	4191202.63	6.56E-03	2.53E-03	1.05E-03	3.96E-04	6.21E-04	2.83E-04	5.15E-04
150	564461.79	4191207.58	7.01E-03	2.70E-03	1.12E-03	4.23E-04	6.64E-04	3.03E-04	5.50E-04
151	564469.67	4191212.53	7.45E-03	2.87E-03	1.20E-03	4.49E-04	7.05E-04	3.22E-04	5.85E-04
152	564477.55	4191217.47	7.83E-03	3.01E-03	1.26E-03	4.72E-04	7.41E-04	3.38E-04	6.14E-04

153	564487.5	4191231.5	9.03E-03	3.47E-03	1.45E-03	5.44E-04	8.55E-04	3.90E-04	7.08E-04
154	564489.56	4191240.57	9.98E-03	3.84E-03	1.60E-03	6.01E-04	9.45E-04	4.31E-04	7.83E-04
155	564491.63	4191249.65	1.10E-02	4.22E-03	1.76E-03	6.61E-04	1.04E-03	4.73E-04	8.60E-04
156	564493.69	4191258.72	1.19E-02	4.59E-03	1.91E-03	7.19E-04	1.13E-03	5.15E-04	9.35E-04
157	564495.75	4191267.8	1.27E-02	4.90E-03	2.04E-03	7.67E-04	1.20E-03	5.49E-04	9.99E-04
158	564497.82	4191276.88	1.31E-02	5.03E-03	2.10E-03	7.88E-04	1.24E-03	5.64E-04	1.03E-03
159	564506.07	4191313.18	8.57E-03	3.30E-03	1.37E-03	5.16E-04	8.11E-04	3.70E-04	6.72E-04
160	564508.14	4191322.25	7.04E-03	2.71E-03	1.13E-03	4.24E-04	6.66E-04	3.04E-04	5.52E-04
161	564510.2	4191331.33	5.81E-03	2.24E-03	9.33E-04	3.50E-04	5.50E-04	2.51E-04	4.56E-04
162	564512.26	4191340.4	4.94E-03	1.90E-03	7.93E-04	2.98E-04	4.68E-04	2.13E-04	3.88E-04
163	564375.08	4191153.14	3.98E-03	1.53E-03	6.38E-04	2.40E-04	3.76E-04	1.72E-04	3.12E-04
164	564365.25	4191151.48	3.79E-03	1.46E-03	6.07E-04	2.28E-04	3.58E-04	1.63E-04	2.97E-04
165	564355.42	4191149.82	3.57E-03	1.37E-03	5.73E-04	2.15E-04	3.38E-04	1.54E-04	2.80E-04
166	564345.59	4191148.16	3.33E-03	1.28E-03	5.34E-04	2.01E-04	3.15E-04	1.44E-04	2.61E-04
167	564385.09	4191148.52	3.87E-03	1.49E-03	6.21E-04	2.33E-04	3.66E-04	1.67E-04	3.04E-04
168	564393.44	4191153.76	4.13E-03	1.59E-03	6.63E-04	2.49E-04	3.91E-04	1.78E-04	3.24E-04
169	564451.86	4191190.44	5.55E-03	2.14E-03	8.91E-04	3.35E-04	5.26E-04	2.40E-04	4.36E-04
170	564460.21	4191195.68	5.92E-03	2.28E-03	9.49E-04	3.57E-04	5.60E-04	2.55E-04	4.64E-04
171	564468.55	4191200.92	6.32E-03	2.43E-03	1.01E-03	3.81E-04	5.98E-04	2.73E-04	4.96E-04
172	564476.9	4191206.16	6.70E-03	2.58E-03	1.07E-03	4.04E-04	6.34E-04	2.89E-04	5.26E-04
173	564485.24	4191211.4	7.02E-03	2.70E-03	1.13E-03	4.23E-04	6.64E-04	3.03E-04	5.51E-04
174	564495.78	4191226.25	8.12E-03	3.13E-03	1.30E-03	4.90E-04	7.69E-04	3.51E-04	6.37E-04
175	564497.96	4191235.86	8.98E-03	3.46E-03	1.44E-03	5.41E-04	8.50E-04	3.88E-04	7.05E-04
176	564500.15	4191245.47	9.87E-03	3.80E-03	1.58E-03	5.95E-04	9.34E-04	4.26E-04	7.74E-04
177	564502.33	4191255.07	1.07E-02	4.12E-03	1.72E-03	6.46E-04	1.01E-03	4.63E-04	8.41E-04
178	564504.52	4191264.68	1.14E-02	4.40E-03	1.83E-03	6.89E-04	1.08E-03	4.93E-04	8.97E-04
179	564506.7	4191274.29	1.17E-02	4.51E-03	1.88E-03	7.07E-04	1.11E-03	5.06E-04	9.20E-04
180	564508.89	4191283.9	1.14E-02	4.38E-03	1.83E-03	6.87E-04	1.08E-03	4.92E-04	8.94E-04
181	564515.44	4191312.73	7.51E-03	2.89E-03	1.21E-03	4.53E-04	7.11E-04	3.24E-04	5.90E-04
182	564517.63	4191322.34	6.14E-03	2.36E-03	9.85E-04	3.70E-04	5.81E-04	2.65E-04	4.81E-04
183	564519.81	4191331.95	5.02E-03	1.93E-03	8.05E-04	3.02E-04	4.75E-04	2.17E-04	3.94E-04
184	564522	4191341.56	4.27E-03	1.64E-03	6.85E-04	2.57E-04	4.04E-04	1.84E-04	3.35E-04
185	564376.74	4191143.28	3.60E-03	1.38E-03	5.77E-04	2.17E-04	3.41E-04	1.55E-04	2.82E-04
186	564366.91	4191141.62	3.44E-03	1.32E-03	5.52E-04	2.07E-04	3.26E-04	1.48E-04	2.70E-04
187	564357.08	4191139.96	3.26E-03	1.26E-03	5.24E-04	1.97E-04	3.09E-04	1.41E-04	2.56E-04
188	564347.25	4191138.3	3.06E-03	1.18E-03	4.91E-04	1.85E-04	2.90E-04	1.32E-04	2.40E-04
189	564386.63	4191138.58	3.50E-03	1.35E-03	5.62E-04	2.11E-04	3.31E-04	1.51E-04	2.75E-04
190	564394.85	4191143.75	3.74E-03	1.44E-03	5.99E-04	2.25E-04	3.54E-04	1.61E-04	2.93E-04
191	564477.08	4191195.37	5.78E-03	2.23E-03	9.28E-04	3.49E-04	5.48E-04	2.50E-04	4.54E-04
192	564485.3	4191200.53	6.08E-03	2.34E-03	9.75E-04	3.66E-04	5.76E-04	2.62E-04	4.77E-04
193	564493.52	4191205.69	6.34E-03	2.44E-03	1.02E-03	3.82E-04	6.00E-04	2.74E-04	4.98E-04
194	564503.9	4191220.32	7.27E-03	2.80E-03	1.17E-03	4.38E-04	6.88E-04	3.14E-04	5.70E-04
195	564506.05	4191229.79	8.02E-03	3.09E-03	1.29E-03	4.83E-04	7.59E-04	3.46E-04	6.29E-04
196	564508.21	4191239.25	8.77E-03	3.37E-03	1.41E-03	5.28E-04	8.30E-04	3.78E-04	6.88E-04
197	564510.36	4191248.72	9.51E-03	3.66E-03	1.52E-03	5.73E-04	9.00E-04	4.10E-04	7.46E-04
198	564512.51	4191258.19	1.01E-02	3.90E-03	1.63E-03	6.11E-04	9.60E-04	4.38E-04	7.95E-04
199	564514.66	4191267.65	1.05E-02	4.05E-03	1.69E-03	6.35E-04	9.97E-04	4.55E-04	8.27E-04
200	564516.82	4191277.12	1.05E-02	4.03E-03	1.68E-03	6.31E-04	9.91E-04	4.52E-04	8.22E-04
201	564525.43	4191314.99	6.23E-03	2.40E-03	1.00E-03	3.76E-04	5.90E-04	2.69E-04	4.89E-04
202	564527.58	4191324.46	5.13E-03	1.97E-03	8.23E-04	3.09E-04	4.85E-04	2.21E-04	4.02E-04
203	564529.74	4191333.92	4.29E-03	1.65E-03	6.89E-04	2.59E-04	4.06E-04	1.85E-04	3.37E-04
204	564531.89	4191343.39	3.72E-03	1.43E-03	5.97E-04	2.24E-04	3.52E-04	1.61E-04	2.92E-04

205	564378.41	4191133.42	3.27E-03	1.26E-03	5.25E-04	1.97E-04	3.10E-04	1.41E-04	2.57E-04
206	564368.58	4191131.76	3.14E-03	1.21E-03	5.04E-04	1.89E-04	2.97E-04	1.35E-04	2.46E-04
207	564358.75	4191130.1	2.99E-03	1.15E-03	4.79E-04	1.80E-04	2.83E-04	1.29E-04	2.34E-04
208	564348.92	4191128.44	2.82E-03	1.08E-03	4.52E-04	1.70E-04	2.67E-04	1.22E-04	2.21E-04
209	564388.19	4191128.66	3.19E-03	1.23E-03	5.12E-04	1.93E-04	3.02E-04	1.38E-04	2.51E-04
210	564396.3	4191133.75	3.39E-03	1.31E-03	5.44E-04	2.05E-04	3.21E-04	1.47E-04	2.66E-04
211	564453.1	4191169.41	4.34E-03	1.67E-03	6.96E-04	2.62E-04	4.11E-04	1.87E-04	3.41E-04
212	564461.22	4191174.5	4.53E-03	1.74E-03	7.26E-04	2.73E-04	4.29E-04	1.95E-04	3.55E-04
213	564469.33	4191179.6	4.76E-03	1.83E-03	7.64E-04	2.87E-04	4.51E-04	2.06E-04	3.74E-04
214	564501.79	4191199.97	5.76E-03	2.21E-03	9.23E-04	3.47E-04	5.45E-04	2.48E-04	4.52E-04
215	564512.03	4191214.41	6.54E-03	2.52E-03	1.05E-03	3.94E-04	6.19E-04	2.82E-04	5.13E-04
216	564514.15	4191223.75	7.19E-03	2.77E-03	1.15E-03	4.33E-04	6.80E-04	3.10E-04	5.64E-04
217	564516.28	4191233.09	7.84E-03	3.02E-03	1.26E-03	4.72E-04	7.42E-04	3.38E-04	6.15E-04
218	564518.4	4191242.44	8.48E-03	3.26E-03	1.36E-03	5.11E-04	8.03E-04	3.66E-04	6.65E-04
219	564520.53	4191251.78	9.05E-03	3.48E-03	1.45E-03	5.45E-04	8.56E-04	3.90E-04	7.10E-04
220	564522.65	4191261.12	9.43E-03	3.63E-03	1.51E-03	5.69E-04	8.93E-04	4.07E-04	7.40E-04
221	564524.78	4191270.46	9.53E-03	3.67E-03	1.53E-03	5.75E-04	9.03E-04	4.12E-04	7.48E-04
222	564526.9	4191279.81	9.21E-03	3.54E-03	1.48E-03	5.55E-04	8.71E-04	3.97E-04	7.22E-04
223	564535.4	4191317.18	5.26E-03	2.02E-03	8.43E-04	3.17E-04	4.98E-04	2.27E-04	4.12E-04
224	564537.52	4191326.52	4.37E-03	1.68E-03	7.02E-04	2.64E-04	4.14E-04	1.89E-04	3.43E-04
225	564539.65	4191335.86	3.73E-03	1.43E-03	5.98E-04	2.25E-04	3.53E-04	1.61E-04	2.92E-04
226	564541.77	4191345.2	3.28E-03	1.26E-03	5.27E-04	1.98E-04	3.11E-04	1.42E-04	2.58E-04
227	564380.07	4191123.56	3.00E-03	1.15E-03	4.81E-04	1.81E-04	2.84E-04	1.29E-04	2.35E-04
228	564370.24	4191121.9	2.88E-03	1.11E-03	4.62E-04	1.73E-04	2.72E-04	1.24E-04	2.26E-04
229	564360.41	4191120.24	2.74E-03	1.06E-03	4.40E-04	1.65E-04	2.60E-04	1.18E-04	2.15E-04
230	564350.58	4191118.58	2.60E-03	9.99E-04	4.17E-04	1.57E-04	2.46E-04	1.12E-04	2.04E-04
231	564389.76	4191118.74	2.93E-03	1.13E-03	4.70E-04	1.77E-04	2.77E-04	1.26E-04	2.30E-04
232	564397.78	4191123.77	3.10E-03	1.19E-03	4.98E-04	1.87E-04	2.94E-04	1.34E-04	2.43E-04
233	564453.91	4191159.01	3.90E-03	1.50E-03	6.25E-04	2.35E-04	3.69E-04	1.68E-04	3.06E-04
234	564461.93	4191164.04	4.03E-03	1.55E-03	6.47E-04	2.43E-04	3.82E-04	1.74E-04	3.16E-04
235	564469.95	4191169.08	4.21E-03	1.62E-03	6.75E-04	2.53E-04	3.98E-04	1.82E-04	3.30E-04
236	564477.97	4191174.11	4.41E-03	1.70E-03	7.08E-04	2.66E-04	4.18E-04	1.90E-04	3.46E-04
237	564485.98	4191179.15	4.63E-03	1.78E-03	7.43E-04	2.79E-04	4.39E-04	2.00E-04	3.64E-04
238	564520.16	4191208.51	5.91E-03	2.28E-03	9.49E-04	3.56E-04	5.60E-04	2.55E-04	4.64E-04
239	564522.26	4191217.75	6.47E-03	2.49E-03	1.04E-03	3.90E-04	6.12E-04	2.79E-04	5.07E-04
240	564524.36	4191226.98	7.05E-03	2.71E-03	1.13E-03	4.25E-04	6.67E-04	3.04E-04	5.53E-04
241	564526.46	4191236.21	7.60E-03	2.92E-03	1.22E-03	4.58E-04	7.19E-04	3.28E-04	5.96E-04
242	564528.56	4191245.44	8.12E-03	3.12E-03	1.30E-03	4.89E-04	7.68E-04	3.50E-04	6.37E-04
243	564530.66	4191254.68	8.49E-03	3.27E-03	1.36E-03	5.12E-04	8.03E-04	3.66E-04	6.66E-04
244	564532.76	4191263.91	8.68E-03	3.34E-03	1.39E-03	5.23E-04	8.21E-04	3.75E-04	6.81E-04
245	564534.86	4191273.14	8.55E-03	3.29E-03	1.37E-03	5.15E-04	8.09E-04	3.69E-04	6.71E-04
246	564536.96	4191282.37	8.05E-03	3.10E-03	1.29E-03	4.85E-04	7.62E-04	3.48E-04	6.32E-04
247	564545.36	4191319.3	4.48E-03	1.72E-03	7.18E-04	2.70E-04	4.24E-04	1.93E-04	3.51E-04
248	564547.46	4191328.54	3.78E-03	1.45E-03	6.06E-04	2.28E-04	3.58E-04	1.63E-04	2.96E-04
249	564549.55	4191337.77	3.27E-03	1.26E-03	5.25E-04	1.97E-04	3.10E-04	1.41E-04	2.57E-04
250	564551.65	4191347	2.92E-03	1.13E-03	4.69E-04	1.76E-04	2.77E-04	1.26E-04	2.29E-04
251	564381.74	4191113.7	2.76E-03	1.06E-03	4.42E-04	1.66E-04	2.61E-04	1.19E-04	2.16E-04
252	564371.91	4191112.04	2.65E-03	1.02E-03	4.25E-04	1.60E-04	2.51E-04	1.14E-04	2.08E-04
253	564362.08	4191110.38	2.53E-03	9.74E-04	4.06E-04	1.53E-04	2.40E-04	1.09E-04	1.99E-04
254	564352.25	4191108.72	2.40E-03	9.23E-04	3.85E-04	1.45E-04	2.27E-04	1.04E-04	1.88E-04
255	564391.8	4191109.12	2.71E-03	1.04E-03	4.34E-04	1.63E-04	2.56E-04	1.17E-04	2.12E-04
256	564400.2	4191114.39	2.87E-03	1.10E-03	4.60E-04	1.73E-04	2.71E-04	1.24E-04	2.25E-04

257	564450.61	4191146.03	3.49E-03	1.34E-03	5.60E-04	2.10E-04	3.30E-04	1.51E-04	2.74E-04
258	564459.01	4191151.31	3.58E-03	1.38E-03	5.74E-04	2.16E-04	3.39E-04	1.54E-04	2.81E-04
259	564467.41	4191156.58	3.69E-03	1.42E-03	5.93E-04	2.23E-04	3.50E-04	1.59E-04	2.90E-04
260	564475.81	4191161.85	3.85E-03	1.48E-03	6.17E-04	2.32E-04	3.64E-04	1.66E-04	3.02E-04
261	564484.21	4191167.13	4.03E-03	1.55E-03	6.47E-04	2.43E-04	3.82E-04	1.74E-04	3.16E-04
262	564492.61	4191172.4	4.23E-03	1.63E-03	6.79E-04	2.55E-04	4.01E-04	1.83E-04	3.32E-04
263	564501.02	4191177.68	4.44E-03	1.71E-03	7.12E-04	2.67E-04	4.20E-04	1.92E-04	3.48E-04
264	564509.42	4191182.95	4.63E-03	1.78E-03	7.42E-04	2.79E-04	4.38E-04	2.00E-04	3.63E-04
265	564528.42	4191203.17	5.40E-03	2.08E-03	8.66E-04	3.26E-04	5.11E-04	2.33E-04	4.24E-04
266	564530.62	4191212.84	5.90E-03	2.27E-03	9.47E-04	3.56E-04	5.59E-04	2.55E-04	4.63E-04
267	564532.82	4191222.51	6.44E-03	2.48E-03	1.03E-03	3.88E-04	6.09E-04	2.78E-04	5.05E-04
268	564535.02	4191232.18	6.96E-03	2.68E-03	1.12E-03	4.20E-04	6.59E-04	3.00E-04	5.46E-04
269	564537.22	4191241.86	7.44E-03	2.86E-03	1.19E-03	4.49E-04	7.05E-04	3.21E-04	5.84E-04
270	564539.42	4191251.53	7.80E-03	3.00E-03	1.25E-03	4.70E-04	7.38E-04	3.37E-04	6.12E-04
271	564541.61	4191261.2	7.96E-03	3.06E-03	1.28E-03	4.80E-04	7.54E-04	3.44E-04	6.25E-04
272	564543.81	4191270.87	7.82E-03	3.01E-03	1.25E-03	4.71E-04	7.40E-04	3.37E-04	6.13E-04
273	564546.01	4191280.55	7.32E-03	2.82E-03	1.17E-03	4.41E-04	6.93E-04	3.16E-04	5.75E-04
274	564548.21	4191290.22	6.56E-03	2.52E-03	1.05E-03	3.96E-04	6.21E-04	2.83E-04	5.15E-04
275	564554.81	4191319.23	4.01E-03	1.54E-03	6.43E-04	2.42E-04	3.79E-04	1.73E-04	3.14E-04
276	564557.01	4191328.91	3.39E-03	1.30E-03	5.43E-04	2.04E-04	3.20E-04	1.46E-04	2.66E-04
277	564559.21	4191338.58	2.94E-03	1.13E-03	4.71E-04	1.77E-04	2.78E-04	1.27E-04	2.30E-04
278	564383.4	4191103.84	2.55E-03	9.80E-04	4.09E-04	1.54E-04	2.41E-04	1.10E-04	2.00E-04
279	564373.57	4191102.18	2.45E-03	9.44E-04	3.93E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04
280	564363.74	4191100.52	2.35E-03	9.04E-04	3.77E-04	1.42E-04	2.22E-04	1.01E-04	1.84E-04
281	564353.91	4191098.86	2.23E-03	8.59E-04	3.58E-04	1.35E-04	2.11E-04	9.64E-05	1.75E-04
282	564393.36	4191099.19	2.50E-03	9.62E-04	4.01E-04	1.51E-04	2.37E-04	1.08E-04	1.96E-04
283	564401.66	4191104.4	2.64E-03	1.02E-03	4.23E-04	1.59E-04	2.50E-04	1.14E-04	2.07E-04
284	564451.43	4191135.64	3.19E-03	1.23E-03	5.12E-04	1.93E-04	3.02E-04	1.38E-04	2.51E-04
285	564459.72	4191140.85	3.26E-03	1.25E-03	5.22E-04	1.96E-04	3.08E-04	1.41E-04	2.55E-04
286	564468.02	4191146.05	3.34E-03	1.28E-03	5.35E-04	2.01E-04	3.16E-04	1.44E-04	2.62E-04
287	564476.31	4191151.26	3.45E-03	1.33E-03	5.53E-04	2.08E-04	3.26E-04	1.49E-04	2.70E-04
288	564484.61	4191156.47	3.59E-03	1.38E-03	5.76E-04	2.16E-04	3.40E-04	1.55E-04	2.81E-04
289	564492.9	4191161.68	3.75E-03	1.44E-03	6.02E-04	2.26E-04	3.55E-04	1.62E-04	2.94E-04
290	564501.2	4191166.88	3.92E-03	1.51E-03	6.30E-04	2.37E-04	3.72E-04	1.69E-04	3.08E-04
291	564509.49	4191172.09	4.10E-03	1.58E-03	6.57E-04	2.47E-04	3.88E-04	1.77E-04	3.22E-04
292	564517.78	4191177.3	4.26E-03	1.64E-03	6.83E-04	2.57E-04	4.03E-04	1.84E-04	3.34E-04
293	564526.08	4191182.5	4.40E-03	1.69E-03	7.06E-04	2.65E-04	4.16E-04	1.90E-04	3.45E-04
294	564538.72	4191206.81	5.36E-03	2.06E-03	8.59E-04	3.23E-04	5.07E-04	2.31E-04	4.20E-04
295	564540.89	4191216.36	5.81E-03	2.24E-03	9.33E-04	3.50E-04	5.50E-04	2.51E-04	4.56E-04
296	564543.06	4191225.91	6.29E-03	2.42E-03	1.01E-03	3.79E-04	5.95E-04	2.72E-04	4.94E-04
297	564545.23	4191235.46	6.73E-03	2.59E-03	1.08E-03	4.06E-04	6.37E-04	2.91E-04	5.28E-04
298	564547.41	4191245.01	7.09E-03	2.73E-03	1.14E-03	4.28E-04	6.72E-04	3.06E-04	5.57E-04
299	564549.58	4191254.56	7.31E-03	2.81E-03	1.17E-03	4.41E-04	6.92E-04	3.16E-04	5.74E-04
300	564551.75	4191264.11	7.29E-03	2.80E-03	1.17E-03	4.39E-04	6.90E-04	3.15E-04	5.72E-04
301	564553.92	4191273.66	6.97E-03	2.68E-03	1.12E-03	4.20E-04	6.60E-04	3.01E-04	5.47E-04
302	564556.09	4191283.21	6.38E-03	2.46E-03	1.02E-03	3.85E-04	6.04E-04	2.75E-04	5.01E-04
303	564564.78	4191321.41	3.47E-03	1.33E-03	5.56E-04	2.09E-04	3.28E-04	1.50E-04	2.72E-04
304	564385.07	4191093.98	2.36E-03	9.09E-04	3.79E-04	1.42E-04	2.24E-04	1.02E-04	1.85E-04
305	564375.24	4191092.32	2.28E-03	8.77E-04	3.66E-04	1.37E-04	2.16E-04	9.84E-05	1.79E-04
306	564365.41	4191090.66	2.19E-03	8.42E-04	3.51E-04	1.32E-04	2.07E-04	9.45E-05	1.72E-04
307	564355.58	4191089	2.09E-03	8.03E-04	3.35E-04	1.26E-04	1.98E-04	9.01E-05	1.64E-04
308	564394.93	4191089.27	2.32E-03	8.91E-04	3.72E-04	1.40E-04	2.19E-04	1.00E-04	1.82E-04

309	564403.13	4191094.42	2.44E-03	9.38E-04	3.91E-04	1.47E-04	2.31E-04	1.05E-04	1.91E-04
310	564452.33	4191125.3	2.94E-03	1.13E-03	4.72E-04	1.77E-04	2.78E-04	1.27E-04	2.31E-04
311	564460.53	4191130.45	2.99E-03	1.15E-03	4.79E-04	1.80E-04	2.83E-04	1.29E-04	2.34E-04
312	564468.73	4191135.6	3.04E-03	1.17E-03	4.88E-04	1.83E-04	2.88E-04	1.31E-04	2.39E-04
313	564476.93	4191140.74	3.12E-03	1.20E-03	5.00E-04	1.88E-04	2.95E-04	1.35E-04	2.45E-04
314	564485.13	4191145.89	3.22E-03	1.24E-03	5.17E-04	1.94E-04	3.05E-04	1.39E-04	2.53E-04
315	564493.33	4191151.04	3.35E-03	1.29E-03	5.37E-04	2.02E-04	3.17E-04	1.45E-04	2.63E-04
316	564501.53	4191156.19	3.49E-03	1.34E-03	5.61E-04	2.11E-04	3.31E-04	1.51E-04	2.74E-04
317	564509.73	4191161.34	3.65E-03	1.40E-03	5.85E-04	2.20E-04	3.45E-04	1.57E-04	2.86E-04
318	564517.93	4191166.48	3.79E-03	1.46E-03	6.09E-04	2.29E-04	3.59E-04	1.64E-04	2.98E-04
319	564526.13	4191171.63	3.93E-03	1.51E-03	6.31E-04	2.37E-04	3.72E-04	1.70E-04	3.08E-04
320	564534.33	4191176.78	4.05E-03	1.56E-03	6.50E-04	2.44E-04	3.84E-04	1.75E-04	3.18E-04
321	564548.97	4191210.25	5.28E-03	2.03E-03	8.47E-04	3.18E-04	5.00E-04	2.28E-04	4.14E-04
322	564551.12	4191219.69	5.68E-03	2.19E-03	9.11E-04	3.42E-04	5.38E-04	2.45E-04	4.46E-04
323	564553.27	4191229.13	6.09E-03	2.34E-03	9.77E-04	3.67E-04	5.77E-04	2.63E-04	4.78E-04
324	564555.41	4191238.57	6.45E-03	2.48E-03	1.03E-03	3.89E-04	6.11E-04	2.78E-04	5.06E-04
325	564557.56	4191248.01	6.71E-03	2.58E-03	1.08E-03	4.04E-04	6.35E-04	2.89E-04	5.26E-04
326	564559.71	4191257.45	6.78E-03	2.61E-03	1.09E-03	4.09E-04	6.42E-04	2.93E-04	5.32E-04
327	564561.85	4191266.89	6.60E-03	2.54E-03	1.06E-03	3.98E-04	6.24E-04	2.85E-04	5.17E-04
328	564564	4191276.33	6.17E-03	2.37E-03	9.89E-04	3.72E-04	5.84E-04	2.66E-04	4.84E-04
329	564566.15	4191285.77	5.55E-03	2.14E-03	8.91E-04	3.35E-04	5.26E-04	2.40E-04	4.36E-04
330	564386.73	4191084.12	2.20E-03	8.45E-04	3.52E-04	1.32E-04	2.08E-04	9.48E-05	1.72E-04
331	564376.9	4191082.46	2.12E-03	8.17E-04	3.41E-04	1.28E-04	2.01E-04	9.17E-05	1.67E-04
332	564367.07	4191080.8	2.05E-03	7.87E-04	3.28E-04	1.23E-04	1.94E-04	8.83E-05	1.60E-04
333	564357.24	4191079.14	1.96E-03	7.53E-04	3.14E-04	1.18E-04	1.85E-04	8.45E-05	1.54E-04
334	564404.63	4191084.45	2.26E-03	8.69E-04	3.62E-04	1.36E-04	2.14E-04	9.75E-05	1.77E-04
335	564453.31	4191115.01	2.72E-03	1.05E-03	4.36E-04	1.64E-04	2.57E-04	1.17E-04	2.13E-04
336	564461.43	4191120.11	2.76E-03	1.06E-03	4.42E-04	1.66E-04	2.61E-04	1.19E-04	2.16E-04
337	564469.54	4191125.2	2.80E-03	1.08E-03	4.48E-04	1.69E-04	2.65E-04	1.21E-04	2.19E-04
338	564477.66	4191130.29	2.85E-03	1.10E-03	4.57E-04	1.72E-04	2.70E-04	1.23E-04	2.24E-04
339	564485.77	4191135.39	2.92E-03	1.12E-03	4.69E-04	1.76E-04	2.77E-04	1.26E-04	2.29E-04
340	564493.89	4191140.48	3.02E-03	1.16E-03	4.84E-04	1.82E-04	2.86E-04	1.30E-04	2.37E-04
341	564502	4191145.58	3.13E-03	1.21E-03	5.03E-04	1.89E-04	2.97E-04	1.35E-04	2.46E-04
342	564510.12	4191150.67	3.27E-03	1.26E-03	5.24E-04	1.97E-04	3.09E-04	1.41E-04	2.56E-04
343	564518.23	4191155.76	3.40E-03	1.31E-03	5.46E-04	2.05E-04	3.22E-04	1.47E-04	2.67E-04
344	564526.34	4191160.86	3.53E-03	1.36E-03	5.66E-04	2.13E-04	3.34E-04	1.52E-04	2.77E-04
345	564534.46	4191165.95	3.64E-03	1.40E-03	5.84E-04	2.19E-04	3.44E-04	1.57E-04	2.85E-04
346	564542.57	4191171.05	3.74E-03	1.44E-03	6.00E-04	2.26E-04	3.54E-04	1.62E-04	2.94E-04
347	564552.81	4191185.48	4.11E-03	1.58E-03	6.60E-04	2.48E-04	3.90E-04	1.78E-04	3.23E-04
348	564559.19	4191213.51	5.16E-03	1.99E-03	8.28E-04	3.11E-04	4.89E-04	2.23E-04	4.05E-04
349	564561.31	4191222.85	5.53E-03	2.13E-03	8.87E-04	3.33E-04	5.23E-04	2.39E-04	4.34E-04
350	564563.44	4191232.2	5.87E-03	2.26E-03	9.41E-04	3.54E-04	5.55E-04	2.53E-04	4.60E-04
351	564565.56	4191241.54	6.13E-03	2.36E-03	9.84E-04	3.70E-04	5.81E-04	2.65E-04	4.81E-04
352	564567.68	4191250.88	6.26E-03	2.41E-03	1.00E-03	3.78E-04	5.93E-04	2.70E-04	4.91E-04
353	564569.81	4191260.22	6.20E-03	2.38E-03	9.94E-04	3.74E-04	5.87E-04	2.68E-04	4.86E-04
354	564571.93	4191269.56	5.91E-03	2.27E-03	9.48E-04	3.56E-04	5.59E-04	2.55E-04	4.64E-04
355	564588.93	4191344.3	2.14E-03	8.24E-04	3.44E-04	1.29E-04	2.03E-04	9.24E-05	1.68E-04
356	564591.05	4191353.65	1.98E-03	7.63E-04	3.18E-04	1.20E-04	1.88E-04	8.56E-05	1.56E-04
357	564457.58	4191106.78	2.54E-03	9.76E-04	4.07E-04	1.53E-04	2.40E-04	1.09E-04	1.99E-04
358	564466.01	4191112.08	2.57E-03	9.88E-04	4.12E-04	1.55E-04	2.43E-04	1.11E-04	2.01E-04
359	564474.45	4191117.38	2.60E-03	1.00E-03	4.17E-04	1.57E-04	2.46E-04	1.12E-04	2.04E-04
360	564482.89	4191122.68	2.65E-03	1.02E-03	4.26E-04	1.60E-04	2.51E-04	1.15E-04	2.08E-04

361	564491.33	4191127.97	2.72E-03	1.05E-03	4.36E-04	1.64E-04	2.57E-04	1.17E-04	2.13E-04
362	564499.77	4191133.27	2.80E-03	1.08E-03	4.50E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04
363	564508.21	4191138.57	2.91E-03	1.12E-03	4.67E-04	1.75E-04	2.75E-04	1.26E-04	2.28E-04
364	564516.65	4191143.87	3.04E-03	1.17E-03	4.87E-04	1.83E-04	2.87E-04	1.31E-04	2.38E-04
365	564525.09	4191149.16	3.16E-03	1.22E-03	5.07E-04	1.91E-04	2.99E-04	1.36E-04	2.48E-04
366	564533.53	4191154.46	3.28E-03	1.26E-03	5.26E-04	1.98E-04	3.10E-04	1.42E-04	2.57E-04
367	564541.97	4191159.76	3.38E-03	1.30E-03	5.42E-04	2.04E-04	3.20E-04	1.46E-04	2.65E-04
368	564550.41	4191165.06	3.46E-03	1.33E-03	5.56E-04	2.09E-04	3.28E-04	1.50E-04	2.72E-04
369	564561.05	4191180.07	3.80E-03	1.46E-03	6.10E-04	2.29E-04	3.60E-04	1.64E-04	2.98E-04
370	564563.26	4191189.79	4.11E-03	1.58E-03	6.60E-04	2.48E-04	3.89E-04	1.77E-04	3.23E-04
371	564569.89	4191218.94	5.11E-03	1.97E-03	8.20E-04	3.08E-04	4.84E-04	2.21E-04	4.01E-04
372	564572.1	4191228.65	5.43E-03	2.09E-03	8.70E-04	3.27E-04	5.14E-04	2.34E-04	4.26E-04
373	564574.31	4191238.37	5.67E-03	2.18E-03	9.10E-04	3.42E-04	5.37E-04	2.45E-04	4.45E-04
374	564576.52	4191248.08	5.79E-03	2.23E-03	9.28E-04	3.49E-04	5.48E-04	2.50E-04	4.54E-04
375	564594.2	4191325.81	2.45E-03	9.41E-04	3.92E-04	1.47E-04	2.31E-04	1.06E-04	1.92E-04
376	564596.41	4191335.53	2.16E-03	8.33E-04	3.47E-04	1.30E-04	2.05E-04	9.34E-05	1.70E-04
377	564598.62	4191345.25	1.96E-03	7.55E-04	3.15E-04	1.18E-04	1.86E-04	8.47E-05	1.54E-04
378	564600.83	4191354.96	1.82E-03	7.00E-04	2.92E-04	1.10E-04	1.72E-04	7.85E-05	1.43E-04
379	564370.4	4191061.08	1.80E-03	6.92E-04	2.89E-04	1.08E-04	1.70E-04	7.77E-05	1.41E-04
380	564360.57	4191059.42	1.73E-03	6.66E-04	2.78E-04	1.04E-04	1.64E-04	7.47E-05	1.36E-04
381	564400.07	4191059.78	1.88E-03	7.22E-04	3.01E-04	1.13E-04	1.78E-04	8.10E-05	1.47E-04
382	564408.42	4191065.02	1.97E-03	7.57E-04	3.15E-04	1.19E-04	1.86E-04	8.49E-05	1.54E-04
383	564458.5	4191096.46	2.37E-03	9.11E-04	3.80E-04	1.43E-04	2.24E-04	1.02E-04	1.86E-04
384	564466.85	4191101.7	2.39E-03	9.20E-04	3.84E-04	1.44E-04	2.26E-04	1.03E-04	1.88E-04
385	564475.19	4191106.94	2.41E-03	9.29E-04	3.87E-04	1.46E-04	2.29E-04	1.04E-04	1.89E-04
386	564483.54	4191112.17	2.45E-03	9.44E-04	3.94E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04
387	564491.88	4191117.41	2.50E-03	9.63E-04	4.01E-04	1.51E-04	2.37E-04	1.08E-04	1.96E-04
388	564500.23	4191122.65	2.57E-03	9.87E-04	4.12E-04	1.55E-04	2.43E-04	1.11E-04	2.01E-04
389	564508.58	4191127.89	2.65E-03	1.02E-03	4.25E-04	1.60E-04	2.51E-04	1.14E-04	2.08E-04
390	564516.92	4191133.13	2.75E-03	1.06E-03	4.41E-04	1.66E-04	2.60E-04	1.19E-04	2.16E-04
391	564525.27	4191138.37	2.86E-03	1.10E-03	4.59E-04	1.72E-04	2.71E-04	1.23E-04	2.24E-04
392	564533.62	4191143.61	2.97E-03	1.14E-03	4.76E-04	1.79E-04	2.81E-04	1.28E-04	2.33E-04
393	564541.96	4191148.85	3.07E-03	1.18E-03	4.92E-04	1.85E-04	2.90E-04	1.32E-04	2.40E-04
394	564550.31	4191154.09	3.15E-03	1.21E-03	5.06E-04	1.90E-04	2.98E-04	1.36E-04	2.47E-04
395	564558.65	4191159.33	3.20E-03	1.23E-03	5.13E-04	1.93E-04	3.03E-04	1.38E-04	2.51E-04
396	564569.19	4191174.18	3.52E-03	1.35E-03	5.65E-04	2.12E-04	3.33E-04	1.52E-04	2.76E-04
397	564571.37	4191183.79	3.79E-03	1.46E-03	6.08E-04	2.29E-04	3.59E-04	1.64E-04	2.97E-04
398	564573.56	4191193.4	4.07E-03	1.57E-03	6.53E-04	2.45E-04	3.85E-04	1.76E-04	3.19E-04
399	564577.93	4191212.62	4.67E-03	1.80E-03	7.48E-04	2.81E-04	4.42E-04	2.01E-04	3.66E-04
400	564580.11	4191222.23	4.95E-03	1.91E-03	7.94E-04	2.98E-04	4.69E-04	2.14E-04	3.88E-04
401	564591.04	4191270.27	4.87E-03	1.88E-03	7.82E-04	2.94E-04	4.61E-04	2.10E-04	3.82E-04
402	564593.22	4191279.88	4.43E-03	1.71E-03	7.11E-04	2.67E-04	4.20E-04	1.91E-04	3.48E-04
403	564595.41	4191289.49	3.91E-03	1.51E-03	6.28E-04	2.36E-04	3.71E-04	1.69E-04	3.07E-04
404	564597.6	4191299.1	3.38E-03	1.30E-03	5.42E-04	2.04E-04	3.20E-04	1.46E-04	2.65E-04
405	564604.15	4191327.93	2.18E-03	8.40E-04	3.50E-04	1.32E-04	2.07E-04	9.42E-05	1.71E-04
406	564606.34	4191337.54	1.95E-03	7.52E-04	3.13E-04	1.18E-04	1.85E-04	8.43E-05	1.53E-04
407	564391.73	4191054.54	1.79E-03	6.90E-04	2.87E-04	1.08E-04	1.70E-04	7.74E-05	1.41E-04
408	564381.9	4191052.88	1.75E-03	6.72E-04	2.80E-04	1.05E-04	1.65E-04	7.54E-05	1.37E-04
409	564372.07	4191051.22	1.69E-03	6.51E-04	2.72E-04	1.02E-04	1.60E-04	7.31E-05	1.33E-04
410	564362.24	4191049.56	1.63E-03	6.28E-04	2.62E-04	9.84E-05	1.55E-04	7.05E-05	1.28E-04
411	564401.66	4191049.87	1.76E-03	6.76E-04	2.82E-04	1.06E-04	1.66E-04	7.58E-05	1.38E-04
412	564467.75	4191091.36	2.24E-03	8.62E-04	3.59E-04	1.35E-04	2.12E-04	9.67E-05	1.76E-04

413	564476.01	4191096.55	2.26E-03	8.69E-04	3.62E-04	1.36E-04	2.14E-04	9.75E-05	1.77E-04
414	564484.28	4191101.73	2.28E-03	8.79E-04	3.66E-04	1.38E-04	2.16E-04	9.86E-05	1.79E-04
415	564492.54	4191106.92	2.32E-03	8.93E-04	3.72E-04	1.40E-04	2.20E-04	1.00E-04	1.82E-04
416	564500.8	4191112.11	2.37E-03	9.11E-04	3.80E-04	1.43E-04	2.24E-04	1.02E-04	1.86E-04
417	564509.06	4191117.29	2.43E-03	9.34E-04	3.90E-04	1.46E-04	2.30E-04	1.05E-04	1.90E-04
418	564517.32	4191122.48	2.50E-03	9.64E-04	4.02E-04	1.51E-04	2.37E-04	1.08E-04	1.96E-04
419	564525.59	4191127.67	2.60E-03	9.99E-04	4.16E-04	1.56E-04	2.46E-04	1.12E-04	2.04E-04
420	564533.85	4191132.85	2.70E-03	1.04E-03	4.33E-04	1.63E-04	2.55E-04	1.16E-04	2.12E-04
421	564542.11	4191138.04	2.79E-03	1.07E-03	4.47E-04	1.68E-04	2.64E-04	1.20E-04	2.19E-04
422	564550.37	4191143.23	2.87E-03	1.10E-03	4.61E-04	1.73E-04	2.72E-04	1.24E-04	2.25E-04
423	564558.63	4191148.41	2.95E-03	1.13E-03	4.73E-04	1.78E-04	2.79E-04	1.27E-04	2.31E-04
424	564566.9	4191153.6	2.99E-03	1.15E-03	4.79E-04	1.80E-04	2.83E-04	1.29E-04	2.34E-04
425	564577.32	4191168.3	3.28E-03	1.26E-03	5.26E-04	1.98E-04	3.10E-04	1.41E-04	2.57E-04
426	564579.48	4191177.81	3.51E-03	1.35E-03	5.64E-04	2.12E-04	3.33E-04	1.52E-04	2.76E-04
427	564581.65	4191187.32	3.76E-03	1.45E-03	6.03E-04	2.26E-04	3.56E-04	1.62E-04	2.95E-04
428	564596.79	4191253.91	4.90E-03	1.89E-03	7.86E-04	2.95E-04	4.64E-04	2.12E-04	3.85E-04
429	564598.95	4191263.42	4.68E-03	1.80E-03	7.51E-04	2.82E-04	4.43E-04	2.02E-04	3.67E-04
430	564601.12	4191272.93	4.33E-03	1.67E-03	6.95E-04	2.61E-04	4.10E-04	1.87E-04	3.40E-04
431	564603.28	4191282.44	3.90E-03	1.50E-03	6.25E-04	2.35E-04	3.69E-04	1.68E-04	3.06E-04
432	564605.44	4191291.96	3.42E-03	1.32E-03	5.48E-04	2.06E-04	3.24E-04	1.48E-04	2.68E-04
433	564607.61	4191301.47	2.95E-03	1.14E-03	4.74E-04	1.78E-04	2.80E-04	1.27E-04	2.32E-04
434	564393.39	4191044.68	1.68E-03	6.47E-04	2.70E-04	1.01E-04	1.59E-04	7.26E-05	1.32E-04
435	564383.56	4191043.02	1.64E-03	6.32E-04	2.63E-04	9.90E-05	1.55E-04	7.09E-05	1.29E-04
436	564373.73	4191041.36	1.59E-03	6.13E-04	2.56E-04	9.60E-05	1.51E-04	6.88E-05	1.25E-04
437	564363.9	4191039.7	1.54E-03	5.92E-04	2.47E-04	9.27E-05	1.46E-04	6.64E-05	1.21E-04
438	564403.24	4191039.96	1.65E-03	6.34E-04	2.64E-04	9.93E-05	1.56E-04	7.11E-05	1.29E-04
439	564493.28	4191096.48	2.16E-03	8.31E-04	3.47E-04	1.30E-04	2.04E-04	9.32E-05	1.69E-04
440	564501.46	4191101.62	2.20E-03	8.45E-04	3.52E-04	1.32E-04	2.08E-04	9.48E-05	1.72E-04
441	564509.65	4191106.76	2.24E-03	8.63E-04	3.60E-04	1.35E-04	2.12E-04	9.68E-05	1.76E-04
442	564517.83	4191111.89	2.30E-03	8.84E-04	3.69E-04	1.38E-04	2.17E-04	9.92E-05	1.80E-04
443	564526.02	4191117.03	2.37E-03	9.11E-04	3.80E-04	1.43E-04	2.24E-04	1.02E-04	1.86E-04
444	564534.2	4191122.17	2.45E-03	9.43E-04	3.93E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04
445	564542.39	4191127.31	2.53E-03	9.75E-04	4.06E-04	1.53E-04	2.40E-04	1.09E-04	1.99E-04
446	564550.57	4191132.45	2.62E-03	1.01E-03	4.20E-04	1.58E-04	2.48E-04	1.13E-04	2.05E-04
447	564558.76	4191137.59	2.69E-03	1.04E-03	4.32E-04	1.62E-04	2.55E-04	1.16E-04	2.11E-04
448	564566.94	4191142.72	2.76E-03	1.06E-03	4.43E-04	1.66E-04	2.61E-04	1.19E-04	2.17E-04
449	564575.13	4191147.86	2.80E-03	1.08E-03	4.49E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04
450	564585.46	4191162.42	3.06E-03	1.18E-03	4.91E-04	1.85E-04	2.90E-04	1.32E-04	2.40E-04
451	564600.46	4191228.39	4.54E-03	1.75E-03	7.29E-04	2.74E-04	4.30E-04	1.96E-04	3.56E-04
452	564602.6	4191237.81	4.63E-03	1.78E-03	7.42E-04	2.79E-04	4.38E-04	2.00E-04	3.63E-04
453	564604.75	4191247.24	4.61E-03	1.77E-03	7.39E-04	2.78E-04	4.36E-04	1.99E-04	3.61E-04
454	564606.89	4191256.66	4.46E-03	1.72E-03	7.16E-04	2.69E-04	4.22E-04	1.93E-04	3.50E-04
455	564609.03	4191266.08	4.20E-03	1.61E-03	6.73E-04	2.53E-04	3.97E-04	1.81E-04	3.29E-04
456	564611.17	4191275.51	3.84E-03	1.48E-03	6.16E-04	2.31E-04	3.63E-04	1.66E-04	3.01E-04
457	564613.32	4191284.93	3.43E-03	1.32E-03	5.50E-04	2.07E-04	3.25E-04	1.48E-04	2.69E-04
458	564615.46	4191294.35	3.00E-03	1.15E-03	4.81E-04	1.81E-04	2.84E-04	1.29E-04	2.35E-04
459	564617.6	4191303.78	2.60E-03	1.00E-03	4.17E-04	1.57E-04	2.46E-04	1.12E-04	2.04E-04
460	564626.18	4191341.47	1.62E-03	6.23E-04	2.60E-04	9.75E-05	1.53E-04	6.98E-05	1.27E-04
461	564628.32	4191350.9	1.50E-03	5.78E-04	2.41E-04	9.06E-05	1.42E-04	6.49E-05	1.18E-04
462	564630.46	4191360.32	1.42E-03	5.47E-04	2.28E-04	8.56E-05	1.34E-04	6.13E-05	1.11E-04
463	564395.06	4191034.82	1.58E-03	6.08E-04	2.53E-04	9.52E-05	1.50E-04	6.82E-05	1.24E-04
464	564385.23	4191033.16	1.54E-03	5.94E-04	2.47E-04	9.30E-05	1.46E-04	6.66E-05	1.21E-04

465	564375.4	4191031.5	1.50E-03	5.77E-04	2.41E-04	9.04E-05	1.42E-04	6.47E-05	1.18E-04
466	564365.57	4191029.84	1.45E-03	5.58E-04	2.33E-04	8.74E-05	1.37E-04	6.26E-05	1.14E-04
467	564404.84	4191030.05	1.55E-03	5.96E-04	2.48E-04	9.34E-05	1.47E-04	6.69E-05	1.22E-04
468	564453.53	4191060.62	1.91E-03	7.36E-04	3.07E-04	1.15E-04	1.81E-04	8.25E-05	1.50E-04
469	564461.64	4191065.71	1.95E-03	7.50E-04	3.13E-04	1.17E-04	1.84E-04	8.41E-05	1.53E-04
470	564469.75	4191070.8	1.97E-03	7.60E-04	3.17E-04	1.19E-04	1.87E-04	8.52E-05	1.55E-04
471	564477.87	4191075.9	1.99E-03	7.67E-04	3.20E-04	1.20E-04	1.89E-04	8.60E-05	1.56E-04
472	564518.44	4191101.37	2.12E-03	8.15E-04	3.40E-04	1.28E-04	2.01E-04	9.14E-05	1.66E-04
473	564526.56	4191106.46	2.17E-03	8.36E-04	3.49E-04	1.31E-04	2.06E-04	9.38E-05	1.71E-04
474	564534.67	4191111.56	2.24E-03	8.61E-04	3.59E-04	1.35E-04	2.12E-04	9.66E-05	1.76E-04
475	564542.78	4191116.65	2.31E-03	8.88E-04	3.70E-04	1.39E-04	2.19E-04	9.97E-05	1.81E-04
476	564550.9	4191121.75	2.38E-03	9.17E-04	3.82E-04	1.44E-04	2.26E-04	1.03E-04	1.87E-04
477	564559.01	4191126.84	2.46E-03	9.45E-04	3.94E-04	1.48E-04	2.33E-04	1.06E-04	1.93E-04
478	564567.13	4191131.93	2.53E-03	9.72E-04	4.05E-04	1.52E-04	2.39E-04	1.09E-04	1.98E-04
479	564575.24	4191137.03	2.59E-03	9.97E-04	4.15E-04	1.56E-04	2.45E-04	1.12E-04	2.03E-04
480	564583.36	4191142.12	2.62E-03	1.01E-03	4.20E-04	1.58E-04	2.48E-04	1.13E-04	2.06E-04
481	564608.47	4191221.95	4.19E-03	1.61E-03	6.73E-04	2.53E-04	3.97E-04	1.81E-04	3.29E-04
482	564610.59	4191231.3	4.30E-03	1.65E-03	6.90E-04	2.59E-04	4.07E-04	1.86E-04	3.37E-04
483	564612.72	4191240.64	4.32E-03	1.66E-03	6.93E-04	2.60E-04	4.09E-04	1.86E-04	3.39E-04
484	564614.84	4191249.98	4.23E-03	1.63E-03	6.79E-04	2.55E-04	4.01E-04	1.83E-04	3.32E-04
485	564616.97	4191259.32	4.04E-03	1.55E-03	6.48E-04	2.43E-04	3.82E-04	1.74E-04	3.17E-04
486	564619.09	4191268.67	3.75E-03	1.44E-03	6.02E-04	2.26E-04	3.55E-04	1.62E-04	2.94E-04
487	564621.22	4191278.01	3.40E-03	1.31E-03	5.46E-04	2.05E-04	3.22E-04	1.47E-04	2.67E-04
488	564623.34	4191287.35	3.02E-03	1.16E-03	4.85E-04	1.82E-04	2.86E-04	1.31E-04	2.37E-04
489	564625.46	4191296.69	2.64E-03	1.02E-03	4.24E-04	1.59E-04	2.50E-04	1.14E-04	2.07E-04
490	564627.59	4191306.04	2.30E-03	8.87E-04	3.70E-04	1.39E-04	2.18E-04	9.94E-05	1.81E-04
491	564633.96	4191334.06	1.62E-03	6.22E-04	2.59E-04	9.74E-05	1.53E-04	6.97E-05	1.27E-04
492	564636.09	4191343.41	1.48E-03	5.71E-04	2.38E-04	8.94E-05	1.40E-04	6.40E-05	1.16E-04
493	564638.21	4191352.75	1.39E-03	5.33E-04	2.22E-04	8.36E-05	1.31E-04	5.98E-05	1.09E-04
494	564640.34	4191362.09	1.32E-03	5.07E-04	2.11E-04	7.94E-05	1.25E-04	5.68E-05	1.03E-04
495	564396.72	4191024.96	1.49E-03	5.72E-04	2.39E-04	8.97E-05	1.41E-04	6.42E-05	1.17E-04
496	564386.89	4191023.3	1.45E-03	5.59E-04	2.33E-04	8.76E-05	1.38E-04	6.27E-05	1.14E-04
497	564377.06	4191021.64	1.41E-03	5.44E-04	2.27E-04	8.52E-05	1.34E-04	6.10E-05	1.11E-04
498	564367.23	4191019.98	1.37E-03	5.27E-04	2.20E-04	8.25E-05	1.30E-04	5.91E-05	1.07E-04
499	564406.77	4191020.36	1.46E-03	5.63E-04	2.35E-04	8.82E-05	1.38E-04	6.31E-05	1.15E-04
500	564457.08	4191051.94	1.80E-03	6.94E-04	2.89E-04	1.09E-04	1.71E-04	7.79E-05	1.42E-04
501	564465.47	4191057.21	1.84E-03	7.07E-04	2.95E-04	1.11E-04	1.74E-04	7.94E-05	1.44E-04
502	564473.85	4191062.47	1.86E-03	7.17E-04	2.99E-04	1.12E-04	1.76E-04	8.04E-05	1.46E-04
503	564482.24	4191067.74	1.88E-03	7.23E-04	3.02E-04	1.13E-04	1.78E-04	8.11E-05	1.47E-04
504	564490.62	4191073	1.89E-03	7.28E-04	3.04E-04	1.14E-04	1.79E-04	8.17E-05	1.48E-04
505	564499.01	4191078.26	1.90E-03	7.33E-04	3.06E-04	1.15E-04	1.80E-04	8.22E-05	1.49E-04
506	564507.39	4191083.53	1.92E-03	7.40E-04	3.08E-04	1.16E-04	1.82E-04	8.30E-05	1.51E-04
507	564549.32	4191109.85	2.16E-03	8.32E-04	3.47E-04	1.30E-04	2.05E-04	9.34E-05	1.70E-04
508	564557.7	4191115.11	2.23E-03	8.58E-04	3.58E-04	1.34E-04	2.11E-04	9.63E-05	1.75E-04
509	564566.09	4191120.37	2.30E-03	8.85E-04	3.69E-04	1.39E-04	2.18E-04	9.92E-05	1.80E-04
510	564574.47	4191125.64	2.36E-03	9.10E-04	3.79E-04	1.42E-04	2.24E-04	1.02E-04	1.85E-04
511	564582.86	4191130.9	2.40E-03	9.23E-04	3.85E-04	1.45E-04	2.27E-04	1.04E-04	1.88E-04
512	564591.24	4191136.17	2.45E-03	9.44E-04	3.93E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04
513	564608.41	4191180.05	3.22E-03	1.24E-03	5.16E-04	1.94E-04	3.05E-04	1.39E-04	2.52E-04
514	564610.61	4191189.7	3.40E-03	1.31E-03	5.45E-04	2.05E-04	3.22E-04	1.47E-04	2.67E-04
515	564612.8	4191199.35	3.58E-03	1.38E-03	5.75E-04	2.16E-04	3.39E-04	1.55E-04	2.81E-04
516	564617.19	4191218.66	3.92E-03	1.51E-03	6.29E-04	2.36E-04	3.71E-04	1.69E-04	3.08E-04

517	564619.39	4191228.31	4.02E-03	1.55E-03	6.45E-04	2.42E-04	3.80E-04	1.73E-04	3.15E-04
518	564621.58	4191237.97	4.03E-03	1.55E-03	6.47E-04	2.43E-04	3.82E-04	1.74E-04	3.16E-04
519	564623.78	4191247.62	3.95E-03	1.52E-03	6.33E-04	2.38E-04	3.74E-04	1.70E-04	3.10E-04
520	564625.97	4191257.28	3.76E-03	1.45E-03	6.04E-04	2.27E-04	3.56E-04	1.62E-04	2.95E-04
521	564628.17	4191266.93	3.49E-03	1.34E-03	5.60E-04	2.10E-04	3.30E-04	1.51E-04	2.74E-04
522	564630.36	4191276.58	3.16E-03	1.22E-03	5.07E-04	1.90E-04	2.99E-04	1.36E-04	2.48E-04
523	564632.56	4191286.24	2.80E-03	1.08E-03	4.50E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04
524	564634.75	4191295.89	2.45E-03	9.44E-04	3.94E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04
525	564636.95	4191305.54	2.14E-03	8.23E-04	3.43E-04	1.29E-04	2.03E-04	9.23E-05	1.68E-04
526	564643.54	4191334.51	1.50E-03	5.77E-04	2.41E-04	9.04E-05	1.42E-04	6.48E-05	1.18E-04
527	564645.73	4191344.16	1.38E-03	5.30E-04	2.21E-04	8.31E-05	1.30E-04	5.95E-05	1.08E-04
528	564647.93	4191353.81	1.29E-03	4.96E-04	2.07E-04	7.77E-05	1.22E-04	5.56E-05	1.01E-04
529	564650.12	4191363.47	1.23E-03	4.72E-04	1.97E-04	7.39E-05	1.16E-04	5.29E-05	9.62E-05
530	564398.39	4191015.1	1.40E-03	5.40E-04	2.25E-04	8.46E-05	1.33E-04	6.06E-05	1.10E-04
531	564388.56	4191013.44	1.37E-03	5.28E-04	2.20E-04	8.27E-05	1.30E-04	5.92E-05	1.08E-04
532	564378.73	4191011.78	1.34E-03	5.15E-04	2.15E-04	8.06E-05	1.27E-04	5.77E-05	1.05E-04
533	564368.9	4191010.12	1.30E-03	4.99E-04	2.08E-04	7.82E-05	1.23E-04	5.60E-05	1.02E-04
534	564307.42	4191314.1	2.14E-02	8.22E-03	3.43E-03	1.29E-03	2.02E-03	9.22E-04	1.68E-03
535	564304.66	4191330.27	3.66E-02	1.41E-02	5.87E-03	2.21E-03	3.46E-03	1.58E-03	2.87E-03
536	564301.89	4191346.44	5.26E-02	2.02E-02	8.43E-03	3.17E-03	4.97E-03	2.27E-03	4.12E-03
537	564301.64	4191305.95	1.38E-02	5.32E-03	2.22E-03	8.33E-04	1.31E-03	5.96E-04	1.08E-03
538	564296.18	4191320.5	1.78E-02	6.84E-03	2.85E-03	1.07E-03	1.68E-03	7.67E-04	1.39E-03
539	564293.41	4191336.67	2.57E-02	9.88E-03	4.12E-03	1.55E-03	2.43E-03	1.11E-03	2.01E-03
540	564290.65	4191352.84	3.11E-02	1.20E-02	4.98E-03	1.87E-03	2.94E-03	1.34E-03	2.44E-03
541	564291.78	4191304.26	9.78E-03	3.76E-03	1.57E-03	5.90E-04	9.26E-04	4.22E-04	7.67E-04
542	564307.37	4191289.62	1.18E-02	4.52E-03	1.89E-03	7.09E-04	1.11E-03	5.07E-04	9.22E-04
543	564286.33	4191318.81	1.20E-02	4.61E-03	1.92E-03	7.22E-04	1.13E-03	5.17E-04	9.39E-04
544	564283.56	4191334.98	1.57E-02	6.04E-03	2.52E-03	9.47E-04	1.49E-03	6.78E-04	1.23E-03
545	564281.92	4191302.57	7.32E-03	2.81E-03	1.17E-03	4.41E-04	6.93E-04	3.16E-04	5.74E-04
546	564290.07	4191289.63	6.67E-03	2.56E-03	1.07E-03	4.02E-04	6.31E-04	2.88E-04	5.23E-04
547	564301.59	4191281.46	8.22E-03	3.16E-03	1.32E-03	4.95E-04	7.78E-04	3.55E-04	6.45E-04
548	564276.47	4191317.12	8.54E-03	3.29E-03	1.37E-03	5.15E-04	8.09E-04	3.69E-04	6.70E-04
549	564273.7	4191333.29	1.05E-02	4.04E-03	1.69E-03	6.34E-04	9.95E-04	4.54E-04	8.25E-04
550	564272.07	4191300.88	5.70E-03	2.20E-03	9.15E-04	3.44E-04	5.40E-04	2.46E-04	4.48E-04
551	564280.21	4191287.95	5.22E-03	2.01E-03	8.37E-04	3.14E-04	4.94E-04	2.25E-04	4.09E-04
552	564295.8	4191273.3	6.04E-03	2.32E-03	9.69E-04	3.64E-04	5.72E-04	2.61E-04	4.74E-04
553	564310.7	4191269.9	9.70E-03	3.73E-03	1.56E-03	5.85E-04	9.19E-04	4.19E-04	7.61E-04
554	564266.61	4191315.44	6.40E-03	2.46E-03	1.03E-03	3.85E-04	6.05E-04	2.76E-04	5.02E-04
555	564263.85	4191331.6	7.52E-03	2.89E-03	1.21E-03	4.53E-04	7.12E-04	3.25E-04	5.90E-04
556	564262.21	4191299.2	4.57E-03	1.76E-03	7.34E-04	2.76E-04	4.33E-04	1.97E-04	3.59E-04
557	564270.35	4191286.26	4.26E-03	1.64E-03	6.83E-04	2.57E-04	4.03E-04	1.84E-04	3.34E-04
558	564278.49	4191273.32	3.93E-03	1.51E-03	6.31E-04	2.37E-04	3.72E-04	1.70E-04	3.08E-04
559	564256.76	4191313.75	4.96E-03	1.91E-03	7.96E-04	2.99E-04	4.70E-04	2.14E-04	3.89E-04
560	564253.99	4191329.92	5.65E-03	2.17E-03	9.06E-04	3.40E-04	5.34E-04	2.44E-04	4.43E-04
561	564252.35	4191297.51	3.73E-03	1.43E-03	5.98E-04	2.25E-04	3.53E-04	1.61E-04	2.93E-04
562	564260.5	4191284.57	3.54E-03	1.36E-03	5.68E-04	2.14E-04	3.35E-04	1.53E-04	2.78E-04
563	564268.64	4191271.63	3.24E-03	1.25E-03	5.20E-04	1.95E-04	3.07E-04	1.40E-04	2.54E-04
564	564314.03	4191250.18	7.98E-03	3.07E-03	1.28E-03	4.81E-04	7.55E-04	3.44E-04	6.26E-04
565	564246.9	4191312.06	3.96E-03	1.52E-03	6.35E-04	2.39E-04	3.75E-04	1.71E-04	3.11E-04
566	564244.13	4191328.23	4.40E-03	1.69E-03	7.05E-04	2.65E-04	4.16E-04	1.90E-04	3.45E-04
567	564242.5	4191295.82	3.10E-03	1.19E-03	4.97E-04	1.87E-04	2.93E-04	1.34E-04	2.43E-04
568	564250.64	4191282.88	2.99E-03	1.15E-03	4.79E-04	1.80E-04	2.83E-04	1.29E-04	2.34E-04

569	564258.78	4191269.95	2.75E-03	1.06E-03	4.41E-04	1.66E-04	2.60E-04	1.19E-04	2.16E-04
570	564278.45	4191248.84	2.94E-03	1.13E-03	4.72E-04	1.77E-04	2.79E-04	1.27E-04	2.31E-04
571	564293.35	4191245.43	4.18E-03	1.61E-03	6.70E-04	2.52E-04	3.95E-04	1.80E-04	3.28E-04
572	564308.25	4191242.02	6.11E-03	2.35E-03	9.80E-04	3.68E-04	5.78E-04	2.64E-04	4.79E-04
573	564237.04	4191310.37	3.23E-03	1.24E-03	5.18E-04	1.95E-04	3.06E-04	1.39E-04	2.54E-04
574	564234.28	4191326.54	3.52E-03	1.36E-03	5.65E-04	2.12E-04	3.33E-04	1.52E-04	2.76E-04
575	564232.64	4191294.13	2.61E-03	1.00E-03	4.19E-04	1.57E-04	2.47E-04	1.13E-04	2.05E-04
576	564240.78	4191281.2	2.55E-03	9.82E-04	4.09E-04	1.54E-04	2.41E-04	1.10E-04	2.00E-04
577	564248.93	4191268.26	2.38E-03	9.16E-04	3.82E-04	1.43E-04	2.25E-04	1.03E-04	1.87E-04
578	564272.66	4191240.68	2.43E-03	9.36E-04	3.90E-04	1.47E-04	2.30E-04	1.05E-04	1.91E-04
579	564287.56	4191237.27	3.34E-03	1.28E-03	5.35E-04	2.01E-04	3.16E-04	1.44E-04	2.62E-04
580	564302.46	4191233.86	4.79E-03	1.84E-03	7.68E-04	2.89E-04	4.53E-04	2.07E-04	3.76E-04
581	564317.36	4191230.45	6.51E-03	2.50E-03	1.04E-03	3.92E-04	6.16E-04	2.81E-04	5.11E-04
582	564227.19	4191308.69	2.69E-03	1.03E-03	4.31E-04	1.62E-04	2.54E-04	1.16E-04	2.11E-04
583	564224.42	4191324.85	2.89E-03	1.11E-03	4.63E-04	1.74E-04	2.73E-04	1.25E-04	2.27E-04
584	564222.78	4191292.45	2.23E-03	8.57E-04	3.57E-04	1.34E-04	2.11E-04	9.62E-05	1.75E-04
585	564230.93	4191279.51	2.20E-03	8.48E-04	3.54E-04	1.33E-04	2.09E-04	9.52E-05	1.73E-04
586	564239.07	4191266.57	2.08E-03	8.02E-04	3.34E-04	1.26E-04	1.97E-04	9.00E-05	1.64E-04
587	564255.35	4191240.7	1.85E-03	7.10E-04	2.96E-04	1.11E-04	1.75E-04	7.96E-05	1.45E-04
588	564266.87	4191232.52	2.05E-03	7.87E-04	3.28E-04	1.23E-04	1.94E-04	8.83E-05	1.60E-04
589	564281.78	4191229.11	2.72E-03	1.05E-03	4.37E-04	1.64E-04	2.58E-04	1.18E-04	2.14E-04
590	564296.68	4191225.71	3.83E-03	1.47E-03	6.14E-04	2.31E-04	3.62E-04	1.65E-04	3.00E-04
591	564311.58	4191222.3	5.18E-03	1.99E-03	8.31E-04	3.12E-04	4.90E-04	2.24E-04	4.06E-04
592	564217.33	4191307	2.27E-03	8.74E-04	3.64E-04	1.37E-04	2.15E-04	9.80E-05	1.78E-04
593	564214.56	4191323.17	2.41E-03	9.28E-04	3.87E-04	1.45E-04	2.28E-04	1.04E-04	1.89E-04
594	564212.93	4191290.76	1.92E-03	7.40E-04	3.09E-04	1.16E-04	1.82E-04	8.30E-05	1.51E-04
595	564221.07	4191277.82	1.92E-03	7.39E-04	3.08E-04	1.16E-04	1.82E-04	8.29E-05	1.51E-04
596	564229.21	4191264.88	1.84E-03	7.08E-04	2.95E-04	1.11E-04	1.74E-04	7.94E-05	1.44E-04
597	564245.5	4191239.01	1.62E-03	6.22E-04	2.59E-04	9.74E-05	1.53E-04	6.98E-05	1.27E-04
598	564261.09	4191224.37	1.75E-03	6.72E-04	2.80E-04	1.05E-04	1.65E-04	7.54E-05	1.37E-04
599	564275.99	4191220.96	2.26E-03	8.69E-04	3.62E-04	1.36E-04	2.14E-04	9.75E-05	1.77E-04
600	564290.89	4191217.55	3.09E-03	1.19E-03	4.96E-04	1.86E-04	2.93E-04	1.33E-04	2.43E-04
601	564305.79	4191214.14	4.17E-03	1.60E-03	6.68E-04	2.51E-04	3.94E-04	1.80E-04	3.27E-04
602	564320.69	4191210.73	5.25E-03	2.02E-03	8.42E-04	3.16E-04	4.97E-04	2.27E-04	4.12E-04
603	564207.47	4191305.31	1.94E-03	7.48E-04	3.12E-04	1.17E-04	1.84E-04	8.39E-05	1.53E-04
604	564204.71	4191321.48	2.05E-03	7.87E-04	3.28E-04	1.23E-04	1.94E-04	8.83E-05	1.61E-04
605	564203.07	4191289.07	1.68E-03	6.45E-04	2.69E-04	1.01E-04	1.59E-04	7.24E-05	1.32E-04
606	564211.21	4191276.13	1.69E-03	6.49E-04	2.71E-04	1.02E-04	1.60E-04	7.28E-05	1.32E-04
607	564219.36	4191263.2	1.63E-03	6.28E-04	2.62E-04	9.83E-05	1.54E-04	7.04E-05	1.28E-04
608	564235.64	4191237.32	1.44E-03	5.53E-04	2.31E-04	8.67E-05	1.36E-04	6.21E-05	1.13E-04
609	564243.78	4191224.38	1.39E-03	5.33E-04	2.22E-04	8.35E-05	1.31E-04	5.98E-05	1.09E-04
610	564255.3	4191216.21	1.51E-03	5.82E-04	2.42E-04	9.11E-05	1.43E-04	6.52E-05	1.19E-04
611	564270.2	4191212.8	1.91E-03	7.34E-04	3.06E-04	1.15E-04	1.81E-04	8.23E-05	1.50E-04
612	564285.11	4191209.39	2.55E-03	9.80E-04	4.09E-04	1.54E-04	2.41E-04	1.10E-04	2.00E-04
613	564300.01	4191205.99	3.40E-03	1.31E-03	5.46E-04	2.05E-04	3.22E-04	1.47E-04	2.67E-04
614	564314.91	4191202.58	4.31E-03	1.66E-03	6.92E-04	2.60E-04	4.08E-04	1.86E-04	3.38E-04
615	564197.62	4191303.62	1.69E-03	6.49E-04	2.71E-04	1.02E-04	1.60E-04	7.28E-05	1.32E-04
616	564194.85	4191319.79	1.77E-03	6.80E-04	2.83E-04	1.07E-04	1.67E-04	7.63E-05	1.39E-04
617	564201.36	4191274.45	1.49E-03	5.74E-04	2.40E-04	9.00E-05	1.41E-04	6.44E-05	1.17E-04
618	564209.5	4191261.51	1.46E-03	5.60E-04	2.34E-04	8.78E-05	1.38E-04	6.29E-05	1.14E-04
619	564225.78	4191235.63	1.29E-03	4.98E-04	2.08E-04	7.80E-05	1.23E-04	5.59E-05	1.02E-04
620	564233.92	4191222.7	1.23E-03	4.75E-04	1.98E-04	7.44E-05	1.17E-04	5.33E-05	9.68E-05

621	564249.52	4191208.05	1.32E-03	5.09E-04	2.12E-04	7.97E-05	1.25E-04	5.71E-05	1.04E-04
622	564264.42	4191204.65	1.64E-03	6.30E-04	2.63E-04	9.86E-05	1.55E-04	7.06E-05	1.28E-04
623	564279.32	4191201.24	2.14E-03	8.22E-04	3.43E-04	1.29E-04	2.02E-04	9.23E-05	1.68E-04
624	564294.22	4191197.83	2.81E-03	1.08E-03	4.51E-04	1.69E-04	2.66E-04	1.21E-04	2.21E-04
625	564309.12	4191194.42	3.58E-03	1.38E-03	5.75E-04	2.16E-04	3.39E-04	1.55E-04	2.81E-04
626	564324.03	4191191.01	4.30E-03	1.65E-03	6.90E-04	2.59E-04	4.07E-04	1.86E-04	3.37E-04
627	564183.36	4191285.7	1.31E-03	5.02E-04	2.09E-04	7.87E-05	1.24E-04	5.64E-05	1.02E-04
628	564215.93	4191233.95	1.18E-03	4.52E-04	1.89E-04	7.09E-05	1.11E-04	5.08E-05	9.22E-05
629	564224.07	4191221.01	1.12E-03	4.30E-04	1.79E-04	6.73E-05	1.06E-04	4.82E-05	8.76E-05
630	564232.21	4191208.07	1.09E-03	4.18E-04	1.74E-04	6.55E-05	1.03E-04	4.69E-05	8.52E-05
631	564243.73	4191199.9	1.17E-03	4.49E-04	1.87E-04	7.04E-05	1.11E-04	5.04E-05	9.16E-05
632	564258.63	4191196.49	1.42E-03	5.46E-04	2.28E-04	8.56E-05	1.34E-04	6.13E-05	1.11E-04
633	564273.53	4191193.08	1.82E-03	7.00E-04	2.92E-04	1.10E-04	1.72E-04	7.85E-05	1.43E-04
634	564288.44	4191189.67	2.37E-03	9.13E-04	3.81E-04	1.43E-04	2.25E-04	1.02E-04	1.86E-04
635	564303.34	4191186.26	3.03E-03	1.17E-03	4.86E-04	1.83E-04	2.87E-04	1.31E-04	2.38E-04
636	564318.24	4191182.86	3.66E-03	1.41E-03	5.87E-04	2.21E-04	3.47E-04	1.58E-04	2.87E-04
637	564177.9	4191300.25	1.31E-03	5.03E-04	2.10E-04	7.87E-05	1.24E-04	5.64E-05	1.02E-04
638	564175.14	4191316.42	1.36E-03	5.23E-04	2.18E-04	8.20E-05	1.29E-04	5.87E-05	1.07E-04
639	564172.37	4191332.59	1.44E-03	5.54E-04	2.31E-04	8.68E-05	1.36E-04	6.22E-05	1.13E-04
640	564173.79	4191283.55	1.17E-03	4.49E-04	1.87E-04	7.03E-05	1.10E-04	5.03E-05	9.15E-05
641	564182.52	4191269.69	1.19E-03	4.59E-04	1.91E-04	7.19E-05	1.13E-04	5.15E-05	9.35E-05
642	564208.69	4191228.1	1.06E-03	4.06E-04	1.69E-04	6.36E-05	9.99E-05	4.56E-05	8.28E-05
643	564217.41	4191214.24	1.00E-03	3.86E-04	1.61E-04	6.05E-05	9.50E-05	4.33E-05	7.88E-05
644	564226.13	4191200.38	9.76E-04	3.75E-04	1.57E-04	5.88E-05	9.24E-05	4.21E-05	7.65E-05
645	564238.48	4191191.62	1.05E-03	4.02E-04	1.68E-04	6.30E-05	9.90E-05	4.51E-05	8.20E-05
646	564254.44	4191187.97	1.27E-03	4.88E-04	2.03E-04	7.64E-05	1.20E-04	5.47E-05	9.95E-05
647	564270.41	4191184.32	1.63E-03	6.29E-04	2.62E-04	9.85E-05	1.55E-04	7.05E-05	1.28E-04
648	564286.38	4191180.66	2.16E-03	8.29E-04	3.46E-04	1.30E-04	2.04E-04	9.30E-05	1.69E-04
649	564302.34	4191177.01	2.76E-03	1.06E-03	4.43E-04	1.66E-04	2.61E-04	1.19E-04	2.17E-04
650	564318.31	4191173.36	3.34E-03	1.29E-03	5.36E-04	2.01E-04	3.16E-04	1.44E-04	2.62E-04
651	564168.05	4191298.56	1.16E-03	4.47E-04	1.87E-04	7.01E-05	1.10E-04	5.02E-05	9.12E-05
652	564165.28	4191314.73	1.20E-03	4.63E-04	1.93E-04	7.25E-05	1.14E-04	5.19E-05	9.44E-05
653	564162.51	4191330.9	1.27E-03	4.89E-04	2.04E-04	7.66E-05	1.20E-04	5.48E-05	9.97E-05
654	564163.92	4191281.89	1.05E-03	4.04E-04	1.69E-04	6.34E-05	9.95E-05	4.54E-05	8.25E-05
655	564172.6	4191268.09	1.07E-03	4.13E-04	1.72E-04	6.48E-05	1.02E-04	4.64E-05	8.43E-05
656	564181.29	4191254.29	1.06E-03	4.10E-04	1.71E-04	6.42E-05	1.01E-04	4.60E-05	8.35E-05
657	564207.34	4191212.89	9.22E-04	3.55E-04	1.48E-04	5.56E-05	8.73E-05	3.98E-05	7.24E-05
658	564216.02	4191199.09	8.90E-04	3.42E-04	1.43E-04	5.37E-05	8.43E-05	3.84E-05	6.98E-05
659	564232.66	4191183.47	9.38E-04	3.61E-04	1.50E-04	5.65E-05	8.88E-05	4.05E-05	7.36E-05
660	564248.55	4191179.84	1.12E-03	4.30E-04	1.79E-04	6.73E-05	1.06E-04	4.82E-05	8.76E-05
661	564264.45	4191176.2	1.41E-03	5.42E-04	2.26E-04	8.49E-05	1.33E-04	6.08E-05	1.11E-04
662	564280.34	4191172.56	1.84E-03	7.08E-04	2.95E-04	1.11E-04	1.74E-04	7.94E-05	1.44E-04
663	564296.24	4191168.93	2.36E-03	9.08E-04	3.79E-04	1.42E-04	2.23E-04	1.02E-04	1.85E-04
664	564312.13	4191165.29	2.88E-03	1.11E-03	4.61E-04	1.73E-04	2.72E-04	1.24E-04	2.26E-04
665	564158.19	4191296.87	1.04E-03	4.01E-04	1.67E-04	6.28E-05	9.87E-05	4.50E-05	8.18E-05
666	564155.42	4191313.04	1.07E-03	4.13E-04	1.72E-04	6.46E-05	1.01E-04	4.63E-05	8.41E-05
667	564152.65	4191329.21	1.13E-03	4.34E-04	1.81E-04	6.80E-05	1.07E-04	4.87E-05	8.85E-05
668	564154.04	4191280.23	9.52E-04	3.66E-04	1.53E-04	5.74E-05	9.02E-05	4.11E-05	7.47E-05
669	564162.69	4191266.48	9.77E-04	3.76E-04	1.57E-04	5.89E-05	9.25E-05	4.22E-05	7.67E-05
670	564171.34	4191252.74	9.71E-04	3.74E-04	1.56E-04	5.85E-05	9.19E-05	4.19E-05	7.62E-05
671	564180	4191238.99	9.38E-04	3.61E-04	1.51E-04	5.66E-05	8.88E-05	4.05E-05	7.36E-05
672	564188.65	4191225.24	8.93E-04	3.43E-04	1.43E-04	5.38E-05	8.45E-05	3.85E-05	7.00E-05

673	564214.6	4191184.01	7.98E-04	3.07E-04	1.28E-04	4.81E-05	7.56E-05	3.45E-05	6.26E-05
674	564226.84	4191175.32	8.47E-04	3.26E-04	1.36E-04	5.10E-05	8.02E-05	3.66E-05	6.64E-05
675	564242.67	4191171.7	9.94E-04	3.82E-04	1.59E-04	5.99E-05	9.41E-05	4.29E-05	7.79E-05
676	564258.51	4191168.08	1.23E-03	4.73E-04	1.97E-04	7.40E-05	1.16E-04	5.30E-05	9.63E-05
677	564274.34	4191164.46	1.58E-03	6.09E-04	2.54E-04	9.54E-05	1.50E-04	6.83E-05	1.24E-04
678	564290.17	4191160.84	2.03E-03	7.81E-04	3.26E-04	1.22E-04	1.92E-04	8.76E-05	1.59E-04
679	564148.33	4191295.19	9.41E-04	3.62E-04	1.51E-04	5.67E-05	8.90E-05	4.06E-05	7.38E-05
680	564145.57	4191311.35	9.62E-04	3.70E-04	1.54E-04	5.80E-05	9.11E-05	4.15E-05	7.55E-05
681	564142.8	4191327.52	1.01E-03	3.88E-04	1.62E-04	6.09E-05	9.56E-05	4.36E-05	7.92E-05
682	564144.17	4191278.57	8.67E-04	3.34E-04	1.39E-04	5.23E-05	8.21E-05	3.74E-05	6.80E-05
683	564152.79	4191264.87	8.92E-04	3.43E-04	1.43E-04	5.38E-05	8.45E-05	3.85E-05	7.00E-05
684	564161.41	4191251.17	8.92E-04	3.43E-04	1.43E-04	5.38E-05	8.45E-05	3.85E-05	7.00E-05
685	564170.03	4191237.47	8.65E-04	3.33E-04	1.39E-04	5.21E-05	8.19E-05	3.73E-05	6.79E-05
686	564178.65	4191223.77	8.25E-04	3.17E-04	1.32E-04	4.97E-05	7.81E-05	3.56E-05	6.47E-05
687	564187.28	4191210.07	7.85E-04	3.02E-04	1.26E-04	4.73E-05	7.44E-05	3.39E-05	6.16E-05
688	564221.03	4191167.17	7.68E-04	2.96E-04	1.23E-04	4.63E-05	7.27E-05	3.32E-05	6.03E-05
689	564236.8	4191163.56	8.92E-04	3.43E-04	1.43E-04	5.38E-05	8.45E-05	3.85E-05	7.00E-05
690	564252.58	4191159.95	1.09E-03	4.18E-04	1.74E-04	6.54E-05	1.03E-04	4.68E-05	8.51E-05
691	564268.36	4191156.35	1.38E-03	5.29E-04	2.21E-04	8.29E-05	1.30E-04	5.94E-05	1.08E-04
692	564299.92	4191149.13	2.17E-03	8.34E-04	3.48E-04	1.31E-04	2.05E-04	9.35E-05	1.70E-04
693	564315.7	4191145.52	2.54E-03	9.77E-04	4.08E-04	1.53E-04	2.40E-04	1.10E-04	1.99E-04
694	564331.47	4191141.91	2.85E-03	1.10E-03	4.57E-04	1.72E-04	2.69E-04	1.23E-04	2.23E-04
695	564138.48	4191293.5	8.53E-04	3.28E-04	1.37E-04	5.14E-05	8.07E-05	3.68E-05	6.69E-05
696	564135.71	4191309.67	8.70E-04	3.35E-04	1.40E-04	5.25E-05	8.24E-05	3.76E-05	6.83E-05
697	564132.94	4191325.84	9.10E-04	3.50E-04	1.46E-04	5.48E-05	8.61E-05	3.93E-05	7.14E-05
698	564134.3	4191276.9	7.90E-04	3.04E-04	1.27E-04	4.76E-05	7.48E-05	3.41E-05	6.20E-05
699	564142.9	4191263.24	8.18E-04	3.15E-04	1.31E-04	4.93E-05	7.74E-05	3.53E-05	6.42E-05
700	564151.49	4191249.59	8.22E-04	3.16E-04	1.32E-04	4.95E-05	7.78E-05	3.55E-05	6.45E-05
701	564160.08	4191235.93	8.02E-04	3.08E-04	1.29E-04	4.83E-05	7.59E-05	3.46E-05	6.29E-05
702	564168.68	4191222.27	7.66E-04	2.95E-04	1.23E-04	4.62E-05	7.25E-05	3.31E-05	6.01E-05
703	564177.27	4191208.62	7.29E-04	2.80E-04	1.17E-04	4.39E-05	6.90E-05	3.15E-05	5.72E-05
704	564185.87	4191194.96	7.00E-04	2.69E-04	1.12E-04	4.22E-05	6.62E-05	3.02E-05	5.49E-05
705	564194.46	4191181.3	6.78E-04	2.61E-04	1.09E-04	4.08E-05	6.41E-05	2.92E-05	5.32E-05
706	564215.22	4191159.02	7.01E-04	2.70E-04	1.12E-04	4.22E-05	6.63E-05	3.02E-05	5.50E-05
707	564230.95	4191155.42	8.07E-04	3.10E-04	1.29E-04	4.86E-05	7.64E-05	3.48E-05	6.33E-05
708	564246.68	4191151.83	9.68E-04	3.72E-04	1.55E-04	5.83E-05	9.16E-05	4.18E-05	7.59E-05
709	564278.13	4191144.63	1.53E-03	5.89E-04	2.46E-04	9.23E-05	1.45E-04	6.61E-05	1.20E-04
710	564293.86	4191141.03	1.89E-03	7.28E-04	3.04E-04	1.14E-04	1.79E-04	8.17E-05	1.49E-04
711	564309.59	4191137.44	2.24E-03	8.60E-04	3.59E-04	1.35E-04	2.12E-04	9.65E-05	1.75E-04
712	564325.32	4191133.84	2.53E-03	9.72E-04	4.05E-04	1.52E-04	2.39E-04	1.09E-04	1.98E-04
713	564128.62	4191291.81	7.76E-04	2.98E-04	1.24E-04	4.68E-05	7.34E-05	3.35E-05	6.08E-05
714	564125.85	4191307.98	7.91E-04	3.04E-04	1.27E-04	4.77E-05	7.49E-05	3.42E-05	6.21E-05
715	564123.08	4191324.15	8.24E-04	3.17E-04	1.32E-04	4.97E-05	7.80E-05	3.56E-05	6.47E-05
716	564124.43	4191275.23	7.22E-04	2.78E-04	1.16E-04	4.35E-05	6.83E-05	3.12E-05	5.66E-05
717	564133	4191261.61	7.49E-04	2.88E-04	1.20E-04	4.52E-05	7.09E-05	3.23E-05	5.88E-05
718	564141.57	4191247.99	7.59E-04	2.92E-04	1.22E-04	4.57E-05	7.18E-05	3.27E-05	5.95E-05
719	564150.14	4191234.38	7.45E-04	2.87E-04	1.19E-04	4.49E-05	7.05E-05	3.21E-05	5.84E-05
720	564158.71	4191220.76	7.14E-04	2.75E-04	1.15E-04	4.30E-05	6.76E-05	3.08E-05	5.60E-05
721	564167.28	4191207.14	6.79E-04	2.61E-04	1.09E-04	4.09E-05	6.43E-05	2.93E-05	5.33E-05
722	564175.86	4191193.52	6.51E-04	2.50E-04	1.04E-04	3.92E-05	6.16E-05	2.81E-05	5.11E-05
723	564184.43	4191179.9	6.30E-04	2.42E-04	1.01E-04	3.80E-05	5.96E-05	2.72E-05	4.94E-05
724	564193	4191166.28	6.15E-04	2.37E-04	9.87E-05	3.71E-05	5.82E-05	2.65E-05	4.82E-05

725	564256.47	4191140.11	1.07E-03	4.12E-04	1.72E-04	6.45E-05	1.01E-04	4.62E-05	8.39E-05
726	564272.15	4191136.52	1.34E-03	5.17E-04	2.16E-04	8.10E-05	1.27E-04	5.80E-05	1.05E-04
727	564287.84	4191132.93	1.66E-03	6.40E-04	2.67E-04	1.00E-04	1.57E-04	7.17E-05	1.30E-04
728	564303.52	4191129.34	1.98E-03	7.60E-04	3.17E-04	1.19E-04	1.87E-04	8.53E-05	1.55E-04
729	564319.21	4191125.76	2.25E-03	8.66E-04	3.61E-04	1.36E-04	2.13E-04	9.71E-05	1.76E-04
730	564334.9	4191122.17	2.46E-03	9.46E-04	3.95E-04	1.48E-04	2.33E-04	1.06E-04	1.93E-04
731	564118.76	4191290.12	7.08E-04	2.73E-04	1.14E-04	4.27E-05	6.71E-05	3.06E-05	5.56E-05
732	564116	4191306.29	7.22E-04	2.78E-04	1.16E-04	4.36E-05	6.84E-05	3.12E-05	5.67E-05
733	564113.23	4191322.46	7.51E-04	2.89E-04	1.20E-04	4.53E-05	7.11E-05	3.24E-05	5.89E-05
734	564114.57	4191273.56	6.63E-04	2.55E-04	1.06E-04	3.99E-05	6.27E-05	2.86E-05	5.20E-05
735	564123.11	4191259.98	6.89E-04	2.65E-04	1.10E-04	4.15E-05	6.52E-05	2.97E-05	5.40E-05
736	564131.66	4191246.39	7.00E-04	2.69E-04	1.12E-04	4.22E-05	6.63E-05	3.02E-05	5.49E-05
737	564140.21	4191232.81	6.92E-04	2.66E-04	1.11E-04	4.17E-05	6.56E-05	2.99E-05	5.43E-05
738	564148.76	4191219.22	6.67E-04	2.57E-04	1.07E-04	4.02E-05	6.31E-05	2.88E-05	5.23E-05
739	564157.31	4191205.64	6.35E-04	2.44E-04	1.02E-04	3.83E-05	6.01E-05	2.74E-05	4.98E-05
740	564165.86	4191192.05	6.08E-04	2.34E-04	9.75E-05	3.66E-05	5.75E-05	2.62E-05	4.77E-05
741	564174.41	4191178.47	5.88E-04	2.26E-04	9.43E-05	3.54E-05	5.57E-05	2.54E-05	4.61E-05
742	564182.96	4191164.88	5.73E-04	2.21E-04	9.19E-05	3.45E-05	5.42E-05	2.47E-05	4.50E-05
743	564191.51	4191151.3	5.64E-04	2.17E-04	9.05E-05	3.40E-05	5.34E-05	2.43E-05	4.42E-05
744	564234.9	4191135.56	7.85E-04	3.02E-04	1.26E-04	4.73E-05	7.43E-05	3.39E-05	6.16E-05
745	564250.54	4191131.98	9.53E-04	3.67E-04	1.53E-04	5.75E-05	9.02E-05	4.11E-05	7.48E-05
746	564266.19	4191128.4	1.19E-03	4.56E-04	1.90E-04	7.14E-05	1.12E-04	5.12E-05	9.30E-05
747	564281.84	4191124.83	1.47E-03	5.64E-04	2.35E-04	8.84E-05	1.39E-04	6.33E-05	1.15E-04
748	564297.48	4191121.25	1.75E-03	6.74E-04	2.81E-04	1.06E-04	1.66E-04	7.56E-05	1.37E-04
749	564313.13	4191117.67	2.01E-03	7.72E-04	3.22E-04	1.21E-04	1.90E-04	8.67E-05	1.57E-04
750	564328.78	4191114.09	2.21E-03	8.52E-04	3.55E-04	1.34E-04	2.10E-04	9.56E-05	1.74E-04
751	564108.91	4191288.44	6.50E-04	2.50E-04	1.04E-04	3.92E-05	6.16E-05	2.81E-05	5.10E-05
752	564106.14	4191304.61	6.62E-04	2.55E-04	1.06E-04	3.99E-05	6.27E-05	2.86E-05	5.19E-05
753	564103.37	4191320.77	6.86E-04	2.64E-04	1.10E-04	4.13E-05	6.49E-05	2.96E-05	5.38E-05
754	564104.7	4191271.89	6.12E-04	2.36E-04	9.82E-05	3.69E-05	5.80E-05	2.64E-05	4.80E-05
755	564113.23	4191258.33	6.35E-04	2.44E-04	1.02E-04	3.83E-05	6.01E-05	2.74E-05	4.98E-05
756	564121.76	4191244.78	6.48E-04	2.49E-04	1.04E-04	3.90E-05	6.13E-05	2.80E-05	5.08E-05
757	564130.29	4191231.23	6.44E-04	2.48E-04	1.03E-04	3.88E-05	6.09E-05	2.78E-05	5.05E-05
758	564138.82	4191217.67	6.24E-04	2.40E-04	1.00E-04	3.76E-05	5.91E-05	2.69E-05	4.89E-05
759	564147.35	4191204.12	5.95E-04	2.29E-04	9.55E-05	3.59E-05	5.63E-05	2.57E-05	4.67E-05
760	564155.88	4191190.57	5.69E-04	2.19E-04	9.13E-05	3.43E-05	5.39E-05	2.46E-05	4.47E-05
761	564164.41	4191177.01	5.50E-04	2.12E-04	8.82E-05	3.31E-05	5.21E-05	2.37E-05	4.31E-05
762	564172.94	4191163.46	5.36E-04	2.06E-04	8.60E-05	3.23E-05	5.07E-05	2.31E-05	4.21E-05
763	564181.47	4191149.9	5.25E-04	2.02E-04	8.42E-05	3.17E-05	4.97E-05	2.27E-05	4.12E-05
764	564213.41	4191130.99	6.13E-04	2.36E-04	9.83E-05	3.69E-05	5.80E-05	2.64E-05	4.81E-05
765	564229.02	4191127.42	7.10E-04	2.73E-04	1.14E-04	4.28E-05	6.72E-05	3.06E-05	5.57E-05
766	564244.63	4191123.85	8.53E-04	3.28E-04	1.37E-04	5.14E-05	8.08E-05	3.68E-05	6.70E-05
767	564260.25	4191120.28	1.05E-03	4.05E-04	1.69E-04	6.35E-05	9.96E-05	4.54E-05	8.26E-05
768	564275.86	4191116.71	1.30E-03	5.00E-04	2.08E-04	7.83E-05	1.23E-04	5.60E-05	1.02E-04
769	564291.47	4191113.14	1.56E-03	5.99E-04	2.50E-04	9.38E-05	1.47E-04	6.72E-05	1.22E-04
770	564307.08	4191109.57	1.80E-03	6.91E-04	2.88E-04	1.08E-04	1.70E-04	7.75E-05	1.41E-04
771	564322.69	4191106	2.00E-03	7.69E-04	3.21E-04	1.21E-04	1.89E-04	8.63E-05	1.57E-04
772	564338.3	4191102.43	2.14E-03	8.23E-04	3.43E-04	1.29E-04	2.02E-04	9.23E-05	1.68E-04
773	564099.05	4191286.75	6.00E-04	2.31E-04	9.63E-05	3.62E-05	5.68E-05	2.59E-05	4.71E-05
774	564096.28	4191302.92	6.09E-04	2.34E-04	9.77E-05	3.67E-05	5.76E-05	2.63E-05	4.78E-05
775	564093.51	4191319.09	6.29E-04	2.42E-04	1.01E-04	3.79E-05	5.95E-05	2.71E-05	4.93E-05
776	564094.83	4191270.22	5.68E-04	2.18E-04	9.11E-05	3.42E-05	5.37E-05	2.45E-05	4.45E-05

777	564103.35	4191256.69	5.90E-04	2.27E-04	9.46E-05	3.55E-05	5.58E-05	2.54E-05	4.63E-05
778	564111.86	4191243.16	6.01E-04	2.31E-04	9.64E-05	3.62E-05	5.69E-05	2.59E-05	4.72E-05
779	564120.37	4191229.64	6.00E-04	2.31E-04	9.62E-05	3.62E-05	5.68E-05	2.59E-05	4.71E-05
780	564128.88	4191216.11	5.84E-04	2.25E-04	9.37E-05	3.52E-05	5.53E-05	2.52E-05	4.58E-05
781	564137.39	4191202.59	5.59E-04	2.15E-04	8.97E-05	3.37E-05	5.30E-05	2.41E-05	4.39E-05
782	564145.91	4191189.06	5.35E-04	2.06E-04	8.58E-05	3.22E-05	5.06E-05	2.31E-05	4.19E-05
783	564154.42	4191175.53	5.16E-04	1.98E-04	8.27E-05	3.11E-05	4.88E-05	2.23E-05	4.05E-05
784	564162.93	4191162.01	5.02E-04	1.93E-04	8.05E-05	3.03E-05	4.75E-05	2.17E-05	3.94E-05
785	564171.44	4191148.48	4.91E-04	1.89E-04	7.88E-05	2.96E-05	4.65E-05	2.12E-05	3.85E-05
786	564192	4191126.41	5.07E-04	1.95E-04	8.13E-05	3.05E-05	4.80E-05	2.19E-05	3.98E-05
787	564223.16	4191119.29	6.46E-04	2.49E-04	1.04E-04	3.90E-05	6.12E-05	2.79E-05	5.07E-05
788	564238.74	4191115.72	7.68E-04	2.95E-04	1.23E-04	4.63E-05	7.27E-05	3.31E-05	6.02E-05
789	564254.31	4191112.16	9.39E-04	3.61E-04	1.51E-04	5.66E-05	8.89E-05	4.05E-05	7.37E-05
790	564269.89	4191108.6	1.16E-03	4.44E-04	1.85E-04	6.96E-05	1.09E-04	4.99E-05	9.06E-05
791	564285.47	4191105.03	1.39E-03	5.34E-04	2.23E-04	8.36E-05	1.31E-04	5.99E-05	1.09E-04
792	564301.05	4191101.47	1.61E-03	6.18E-04	2.58E-04	9.68E-05	1.52E-04	6.93E-05	1.26E-04
793	564316.63	4191097.91	1.80E-03	6.91E-04	2.88E-04	1.08E-04	1.70E-04	7.75E-05	1.41E-04
794	564332.21	4191094.35	1.94E-03	7.48E-04	3.12E-04	1.17E-04	1.84E-04	8.39E-05	1.53E-04
795	564089.19	4191285.06	5.56E-04	2.14E-04	8.92E-05	3.35E-05	5.26E-05	2.40E-05	4.36E-05
796	564086.43	4191301.23	5.62E-04	2.16E-04	9.02E-05	3.39E-05	5.32E-05	2.43E-05	4.41E-05
797	564083.66	4191317.4	5.79E-04	2.23E-04	9.28E-05	3.49E-05	5.48E-05	2.50E-05	4.54E-05
798	564084.97	4191268.54	5.28E-04	2.03E-04	8.47E-05	3.18E-05	5.00E-05	2.28E-05	4.14E-05
799	564093.47	4191255.04	5.48E-04	2.11E-04	8.80E-05	3.31E-05	5.19E-05	2.37E-05	4.30E-05
800	564101.96	4191241.54	5.60E-04	2.15E-04	8.98E-05	3.37E-05	5.30E-05	2.42E-05	4.39E-05
801	564110.46	4191228.04	5.60E-04	2.16E-04	8.99E-05	3.38E-05	5.30E-05	2.42E-05	4.39E-05
802	564118.95	4191214.54	5.48E-04	2.11E-04	8.80E-05	3.31E-05	5.19E-05	2.37E-05	4.30E-05
803	564127.45	4191201.04	5.27E-04	2.03E-04	8.46E-05	3.18E-05	4.99E-05	2.28E-05	4.14E-05
804	564135.94	4191187.54	5.04E-04	1.94E-04	8.09E-05	3.04E-05	4.77E-05	2.18E-05	3.96E-05
805	564144.44	4191174.04	4.85E-04	1.87E-04	7.78E-05	2.92E-05	4.59E-05	2.09E-05	3.81E-05
806	564152.94	4191160.54	4.71E-04	1.81E-04	7.56E-05	2.84E-05	4.46E-05	2.04E-05	3.70E-05
807	564161.43	4191147.04	4.61E-04	1.77E-04	7.39E-05	2.78E-05	4.36E-05	1.99E-05	3.62E-05
808	564186.2	4191118.26	4.71E-04	1.81E-04	7.56E-05	2.84E-05	4.46E-05	2.04E-05	3.70E-05
809	564217.3	4191111.15	5.92E-04	2.28E-04	9.50E-05	3.57E-05	5.61E-05	2.56E-05	4.65E-05
810	564232.85	4191107.59	6.94E-04	2.67E-04	1.11E-04	4.18E-05	6.57E-05	3.00E-05	5.44E-05
811	564248.4	4191104.03	8.42E-04	3.24E-04	1.35E-04	5.08E-05	7.97E-05	3.64E-05	6.61E-05
812	564263.95	4191100.48	1.03E-03	3.97E-04	1.66E-04	6.22E-05	9.77E-05	4.45E-05	8.09E-05
813	564279.5	4191096.92	1.24E-03	4.77E-04	1.99E-04	7.47E-05	1.17E-04	5.35E-05	9.72E-05
814	564295.05	4191093.37	1.44E-03	5.53E-04	2.30E-04	8.66E-05	1.36E-04	6.20E-05	1.13E-04
815	564310.59	4191089.81	1.62E-03	6.22E-04	2.59E-04	9.74E-05	1.53E-04	6.97E-05	1.27E-04
816	564326.14	4191086.25	1.77E-03	6.79E-04	2.83E-04	1.06E-04	1.67E-04	7.62E-05	1.38E-04
817	564341.69	4191082.7	1.88E-03	7.23E-04	3.01E-04	1.13E-04	1.78E-04	8.11E-05	1.47E-04
818	564079.34	4191283.37	5.16E-04	1.99E-04	8.28E-05	3.11E-05	4.88E-05	2.23E-05	4.05E-05
819	564076.57	4191299.54	5.21E-04	2.00E-04	8.36E-05	3.14E-05	4.93E-05	2.25E-05	4.09E-05
820	564073.8	4191315.71	5.36E-04	2.06E-04	8.60E-05	3.23E-05	5.07E-05	2.31E-05	4.21E-05
821	564075.11	4191266.86	4.91E-04	1.89E-04	7.87E-05	2.96E-05	4.65E-05	2.12E-05	3.85E-05
822	564083.59	4191253.39	5.11E-04	1.97E-04	8.20E-05	3.08E-05	4.84E-05	2.21E-05	4.01E-05
823	564092.07	4191239.91	5.22E-04	2.01E-04	8.38E-05	3.15E-05	4.95E-05	2.26E-05	4.10E-05
824	564100.55	4191226.43	5.24E-04	2.02E-04	8.40E-05	3.16E-05	4.96E-05	2.26E-05	4.11E-05
825	564109.03	4191212.96	5.15E-04	1.98E-04	8.27E-05	3.11E-05	4.88E-05	2.23E-05	4.04E-05
826	564117.51	4191199.48	4.98E-04	1.92E-04	7.99E-05	3.00E-05	4.72E-05	2.15E-05	3.91E-05
827	564125.99	4191186	4.77E-04	1.83E-04	7.65E-05	2.87E-05	4.51E-05	2.06E-05	3.74E-05
828	564134.47	4191172.53	4.58E-04	1.76E-04	7.35E-05	2.76E-05	4.33E-05	1.98E-05	3.59E-05

829	564142.95	4191159.05	4.44E-04	1.71E-04	7.13E-05	2.68E-05	4.21E-05	1.92E-05	3.49E-05
830	564151.44	4191145.57	4.34E-04	1.67E-04	6.97E-05	2.62E-05	4.11E-05	1.87E-05	3.41E-05
831	564168.4	4191118.62	4.22E-04	1.63E-04	6.78E-05	2.55E-05	4.00E-05	1.82E-05	3.31E-05
832	564180.4	4191110.11	4.40E-04	1.69E-04	7.06E-05	2.65E-05	4.16E-05	1.90E-05	3.45E-05
833	564195.92	4191106.56	4.85E-04	1.86E-04	7.77E-05	2.92E-05	4.59E-05	2.09E-05	3.80E-05
834	564226.97	4191099.46	6.33E-04	2.44E-04	1.02E-04	3.82E-05	5.99E-05	2.73E-05	4.97E-05
835	564242.49	4191095.91	7.60E-04	2.92E-04	1.22E-04	4.58E-05	7.19E-05	3.28E-05	5.96E-05
836	564258.01	4191092.36	9.26E-04	3.56E-04	1.48E-04	5.58E-05	8.76E-05	4.00E-05	7.26E-05
837	564273.53	4191088.81	1.11E-03	4.28E-04	1.78E-04	6.70E-05	1.05E-04	4.80E-05	8.72E-05
838	564289.06	4191085.26	1.29E-03	4.97E-04	2.07E-04	7.78E-05	1.22E-04	5.57E-05	1.01E-04
839	564304.58	4191081.71	1.46E-03	5.61E-04	2.34E-04	8.78E-05	1.38E-04	6.29E-05	1.14E-04
840	564320.1	4191078.16	1.60E-03	6.16E-04	2.57E-04	9.65E-05	1.52E-04	6.91E-05	1.26E-04
841	564335.62	4191074.61	1.72E-03	6.62E-04	2.76E-04	1.04E-04	1.63E-04	7.43E-05	1.35E-04
842	564069.48	4191281.69	4.79E-04	1.84E-04	7.69E-05	2.89E-05	4.54E-05	2.07E-05	3.76E-05
843	564066.71	4191297.86	4.84E-04	1.86E-04	7.76E-05	2.92E-05	4.58E-05	2.09E-05	3.80E-05
844	564063.95	4191314.02	4.98E-04	1.92E-04	7.99E-05	3.00E-05	4.71E-05	2.15E-05	3.91E-05
845	564065.24	4191265.19	4.57E-04	1.76E-04	7.33E-05	2.76E-05	4.33E-05	1.97E-05	3.59E-05
846	564073.71	4191251.73	4.76E-04	1.83E-04	7.64E-05	2.87E-05	4.51E-05	2.06E-05	3.74E-05
847	564082.18	4191238.28	4.89E-04	1.88E-04	7.84E-05	2.94E-05	4.62E-05	2.11E-05	3.83E-05
848	564090.64	4191224.82	4.91E-04	1.89E-04	7.88E-05	2.96E-05	4.65E-05	2.12E-05	3.85E-05
849	564099.11	4191211.37	4.85E-04	1.87E-04	7.78E-05	2.92E-05	4.59E-05	2.09E-05	3.80E-05
850	564107.58	4191197.91	4.71E-04	1.81E-04	7.55E-05	2.84E-05	4.46E-05	2.03E-05	3.69E-05
851	564116.05	4191184.46	4.51E-04	1.74E-04	7.24E-05	2.72E-05	4.27E-05	1.95E-05	3.54E-05
852	564124.51	4191171	4.33E-04	1.67E-04	6.95E-05	2.61E-05	4.10E-05	1.87E-05	3.40E-05
853	564132.98	4191157.55	4.19E-04	1.61E-04	6.73E-05	2.53E-05	3.97E-05	1.81E-05	3.29E-05
854	564141.45	4191144.09	4.10E-04	1.58E-04	6.58E-05	2.47E-05	3.88E-05	1.77E-05	3.22E-05
855	564158.38	4191117.18	3.97E-04	1.53E-04	6.37E-05	2.39E-05	3.76E-05	1.71E-05	3.12E-05
856	564174.6	4191101.95	4.11E-04	1.58E-04	6.60E-05	2.48E-05	3.90E-05	1.78E-05	3.23E-05
857	564190.1	4191098.41	4.51E-04	1.73E-04	7.23E-05	2.72E-05	4.27E-05	1.94E-05	3.53E-05
858	564221.09	4191091.32	5.80E-04	2.23E-04	9.30E-05	3.50E-05	5.49E-05	2.50E-05	4.55E-05
859	564236.59	4191087.78	6.89E-04	2.65E-04	1.11E-04	4.15E-05	6.52E-05	2.97E-05	5.40E-05
860	564252.09	4191084.23	8.34E-04	3.21E-04	1.34E-04	5.03E-05	7.89E-05	3.60E-05	6.54E-05
861	564267.59	4191080.69	1.00E-03	3.86E-04	1.61E-04	6.04E-05	9.48E-05	4.32E-05	7.86E-05
862	564283.08	4191077.14	1.17E-03	4.49E-04	1.87E-04	7.03E-05	1.10E-04	5.03E-05	9.15E-05
863	564298.58	4191073.6	1.32E-03	5.07E-04	2.12E-04	7.95E-05	1.25E-04	5.69E-05	1.03E-04
864	564314.08	4191070.05	1.46E-03	5.62E-04	2.34E-04	8.80E-05	1.38E-04	6.30E-05	1.15E-04
865	564059.62	4191280	4.46E-04	1.72E-04	7.16E-05	2.69E-05	4.23E-05	1.93E-05	3.50E-05
866	564056.86	4191296.17	4.51E-04	1.73E-04	7.23E-05	2.72E-05	4.27E-05	1.95E-05	3.54E-05
867	564054.09	4191312.34	4.64E-04	1.78E-04	7.44E-05	2.80E-05	4.39E-05	2.00E-05	3.64E-05
868	564055.38	4191263.51	4.27E-04	1.64E-04	6.85E-05	2.57E-05	4.04E-05	1.84E-05	3.35E-05
869	564063.83	4191250.08	4.45E-04	1.71E-04	7.14E-05	2.68E-05	4.21E-05	1.92E-05	3.49E-05
870	564072.29	4191236.64	4.58E-04	1.76E-04	7.35E-05	2.76E-05	4.33E-05	1.98E-05	3.59E-05
871	564080.74	4191223.2	4.61E-04	1.77E-04	7.40E-05	2.78E-05	4.37E-05	1.99E-05	3.62E-05
872	564089.2	4191209.77	4.57E-04	1.76E-04	7.33E-05	2.75E-05	4.33E-05	1.97E-05	3.58E-05
873	564097.65	4191196.33	4.45E-04	1.71E-04	7.14E-05	2.68E-05	4.21E-05	1.92E-05	3.49E-05
874	564106.11	4191182.9	4.28E-04	1.65E-04	6.87E-05	2.58E-05	4.05E-05	1.85E-05	3.36E-05
875	564114.56	4191169.46	4.10E-04	1.58E-04	6.58E-05	2.47E-05	3.88E-05	1.77E-05	3.22E-05
876	564123.02	4191156.03	3.97E-04	1.53E-04	6.37E-05	2.39E-05	3.76E-05	1.71E-05	3.11E-05
877	564131.47	4191142.59	3.88E-04	1.49E-04	6.22E-05	2.34E-05	3.67E-05	1.67E-05	3.04E-05
878	564148.38	4191115.72	3.74E-04	1.44E-04	6.01E-05	2.26E-05	3.54E-05	1.62E-05	2.94E-05
879	564156.84	4191102.29	3.72E-04	1.43E-04	5.96E-05	2.24E-05	3.52E-05	1.60E-05	2.91E-05
880	564168.8	4191093.8	3.86E-04	1.49E-04	6.19E-05	2.33E-05	3.65E-05	1.67E-05	3.03E-05

881	564184.28	4191090.26	4.21E-04	1.62E-04	6.75E-05	2.54E-05	3.98E-05	1.82E-05	3.30E-05
882	564199.75	4191086.72	4.67E-04	1.80E-04	7.49E-05	2.81E-05	4.42E-05	2.01E-05	3.66E-05
883	564230.7	4191079.64	6.27E-04	2.41E-04	1.01E-04	3.78E-05	5.94E-05	2.71E-05	4.92E-05
884	564246.18	4191076.1	7.54E-04	2.90E-04	1.21E-04	4.55E-05	7.14E-05	3.26E-05	5.92E-05
885	564261.65	4191072.56	9.06E-04	3.49E-04	1.45E-04	5.46E-05	8.58E-05	3.91E-05	7.11E-05
886	564277.13	4191069.02	1.06E-03	4.08E-04	1.70E-04	6.39E-05	1.00E-04	4.57E-05	8.31E-05
887	564292.6	4191065.49	1.20E-03	4.62E-04	1.93E-04	7.24E-05	1.14E-04	5.18E-05	9.42E-05
888	564339.03	4191054.87	1.54E-03	5.94E-04	2.48E-04	9.30E-05	1.46E-04	6.66E-05	1.21E-04
889	564049.77	4191278.31	4.17E-04	1.61E-04	6.69E-05	2.52E-05	3.95E-05	1.80E-05	3.27E-05
890	564047	4191294.48	4.21E-04	1.62E-04	6.75E-05	2.54E-05	3.98E-05	1.82E-05	3.30E-05
891	564044.23	4191310.65	4.32E-04	1.66E-04	6.93E-05	2.61E-05	4.09E-05	1.87E-05	3.39E-05
892	564045.52	4191261.83	4.00E-04	1.54E-04	6.42E-05	2.41E-05	3.79E-05	1.73E-05	3.14E-05
893	564053.96	4191248.42	4.17E-04	1.61E-04	6.69E-05	2.51E-05	3.95E-05	1.80E-05	3.27E-05
894	564062.4	4191235	4.30E-04	1.66E-04	6.90E-05	2.59E-05	4.07E-05	1.86E-05	3.37E-05
895	564070.85	4191221.58	4.35E-04	1.67E-04	6.98E-05	2.62E-05	4.12E-05	1.88E-05	3.41E-05
896	564079.29	4191208.16	4.31E-04	1.66E-04	6.92E-05	2.60E-05	4.08E-05	1.86E-05	3.38E-05
897	564087.73	4191194.75	4.21E-04	1.62E-04	6.76E-05	2.54E-05	3.99E-05	1.82E-05	3.31E-05
898	564096.18	4191181.33	4.06E-04	1.56E-04	6.52E-05	2.45E-05	3.85E-05	1.75E-05	3.19E-05
899	564104.62	4191167.91	3.90E-04	1.50E-04	6.26E-05	2.35E-05	3.69E-05	1.68E-05	3.06E-05
900	564113.06	4191154.5	3.77E-04	1.45E-04	6.04E-05	2.27E-05	3.56E-05	1.63E-05	2.95E-05
901	564121.51	4191141.08	3.67E-04	1.41E-04	5.89E-05	2.21E-05	3.47E-05	1.58E-05	2.88E-05
902	564138.39	4191114.25	3.54E-04	1.36E-04	5.68E-05	2.13E-05	3.35E-05	1.53E-05	2.78E-05
903	564146.84	4191100.83	3.50E-04	1.35E-04	5.62E-05	2.11E-05	3.32E-05	1.51E-05	2.75E-05
904	564163.01	4191085.65	3.63E-04	1.40E-04	5.82E-05	2.19E-05	3.43E-05	1.57E-05	2.85E-05
905	564178.46	4191082.11	3.94E-04	1.52E-04	6.32E-05	2.37E-05	3.73E-05	1.70E-05	3.09E-05
906	564193.91	4191078.58	4.34E-04	1.67E-04	6.97E-05	2.62E-05	4.11E-05	1.87E-05	3.41E-05
907	564224.82	4191071.51	5.74E-04	2.21E-04	9.21E-05	3.46E-05	5.43E-05	2.48E-05	4.50E-05
908	564240.28	4191067.97	6.85E-04	2.64E-04	1.10E-04	4.13E-05	6.49E-05	2.96E-05	5.38E-05
909	564255.73	4191064.44	8.21E-04	3.16E-04	1.32E-04	4.95E-05	7.77E-05	3.54E-05	6.44E-05
910	564271.18	4191060.91	9.64E-04	3.71E-04	1.55E-04	5.81E-05	9.13E-05	4.16E-05	7.57E-05
911	564317.54	4191050.3	1.33E-03	5.13E-04	2.14E-04	8.04E-05	1.26E-04	5.76E-05	1.05E-04
912	564333	4191046.77	1.43E-03	5.49E-04	2.29E-04	8.60E-05	1.35E-04	6.16E-05	1.12E-04
913	564348.45	4191043.23	1.50E-03	5.75E-04	2.40E-04	9.01E-05	1.42E-04	6.46E-05	1.17E-04
914	564039.91	4191276.62	3.91E-04	1.51E-04	6.28E-05	2.36E-05	3.70E-05	1.69E-05	3.07E-05
915	564037.14	4191292.79	3.94E-04	1.52E-04	6.33E-05	2.38E-05	3.73E-05	1.70E-05	3.09E-05
916	564034.38	4191308.96	4.04E-04	1.55E-04	6.48E-05	2.43E-05	3.82E-05	1.74E-05	3.17E-05
917	564035.66	4191260.15	3.75E-04	1.44E-04	6.02E-05	2.26E-05	3.55E-05	1.62E-05	2.94E-05
918	564044.09	4191246.75	3.91E-04	1.51E-04	6.28E-05	2.36E-05	3.70E-05	1.69E-05	3.07E-05
919	564052.52	4191233.35	4.05E-04	1.56E-04	6.49E-05	2.44E-05	3.83E-05	1.75E-05	3.18E-05
920	564060.95	4191219.95	4.10E-04	1.58E-04	6.58E-05	2.47E-05	3.89E-05	1.77E-05	3.22E-05
921	564069.39	4191206.55	4.08E-04	1.57E-04	6.55E-05	2.46E-05	3.86E-05	1.76E-05	3.20E-05
922	564077.82	4191193.15	3.99E-04	1.54E-04	6.41E-05	2.41E-05	3.78E-05	1.72E-05	3.13E-05
923	564086.25	4191179.75	3.87E-04	1.49E-04	6.20E-05	2.33E-05	3.66E-05	1.67E-05	3.03E-05
924	564094.68	4191166.35	3.72E-04	1.43E-04	5.97E-05	2.24E-05	3.52E-05	1.61E-05	2.92E-05
925	564103.12	4191152.96	3.58E-04	1.38E-04	5.75E-05	2.16E-05	3.39E-05	1.55E-05	2.81E-05
926	564111.55	4191139.56	3.48E-04	1.34E-04	5.59E-05	2.10E-05	3.30E-05	1.50E-05	2.73E-05
927	564128.41	4191112.76	3.36E-04	1.29E-04	5.39E-05	2.03E-05	3.18E-05	1.45E-05	2.64E-05
928	564136.85	4191099.36	3.32E-04	1.28E-04	5.32E-05	2.00E-05	3.14E-05	1.43E-05	2.60E-05
929	564145.28	4191085.96	3.30E-04	1.27E-04	5.29E-05	1.99E-05	3.12E-05	1.42E-05	2.59E-05
930	564157.21	4191077.49	3.42E-04	1.31E-04	5.48E-05	2.06E-05	3.23E-05	1.48E-05	2.68E-05
931	564172.65	4191073.96	3.70E-04	1.42E-04	5.94E-05	2.23E-05	3.51E-05	1.60E-05	2.90E-05
932	564188.08	4191070.43	4.06E-04	1.56E-04	6.51E-05	2.45E-05	3.84E-05	1.75E-05	3.19E-05

933	564203.51	4191066.9	4.55E-04	1.75E-04	7.31E-05	2.75E-05	4.31E-05	1.97E-05	3.57E-05
934	564234.38	4191059.84	6.25E-04	2.40E-04	1.00E-04	3.77E-05	5.91E-05	2.70E-05	4.90E-05
935	564249.82	4191056.31	7.46E-04	2.87E-04	1.20E-04	4.50E-05	7.06E-05	3.22E-05	5.85E-05
936	564280.68	4191049.25	1.01E-03	3.87E-04	1.61E-04	6.06E-05	9.52E-05	4.34E-05	7.89E-05
937	564296.12	4191045.72	1.12E-03	4.31E-04	1.80E-04	6.75E-05	1.06E-04	4.84E-05	8.79E-05
938	564311.55	4191042.19	1.23E-03	4.72E-04	1.97E-04	7.40E-05	1.16E-04	5.30E-05	9.63E-05
939	564326.98	4191038.66	1.32E-03	5.08E-04	2.12E-04	7.95E-05	1.25E-04	5.69E-05	1.03E-04
940	564342.42	4191035.13	1.39E-03	5.34E-04	2.23E-04	8.37E-05	1.31E-04	5.99E-05	1.09E-04
941	564030.05	4191274.94	3.68E-04	1.41E-04	5.90E-05	2.22E-05	3.48E-05	1.59E-05	2.88E-05
942	564027.29	4191291.11	3.71E-04	1.43E-04	5.95E-05	2.23E-05	3.51E-05	1.60E-05	2.91E-05
943	564024.52	4191307.27	3.78E-04	1.46E-04	6.07E-05	2.28E-05	3.58E-05	1.63E-05	2.97E-05
944	564025.94	4191258.23	3.53E-04	1.36E-04	5.66E-05	2.13E-05	3.34E-05	1.52E-05	2.77E-05
945	564034.67	4191244.37	3.69E-04	1.42E-04	5.91E-05	2.22E-05	3.49E-05	1.59E-05	2.89E-05
946	564043.39	4191230.51	3.82E-04	1.47E-04	6.13E-05	2.30E-05	3.61E-05	1.65E-05	3.00E-05
947	564052.11	4191216.65	3.88E-04	1.49E-04	6.22E-05	2.34E-05	3.67E-05	1.67E-05	3.04E-05
948	564060.84	4191202.79	3.85E-04	1.48E-04	6.18E-05	2.32E-05	3.65E-05	1.66E-05	3.02E-05
949	564069.56	4191188.93	3.77E-04	1.45E-04	6.05E-05	2.27E-05	3.57E-05	1.63E-05	2.96E-05
950	564078.28	4191175.06	3.65E-04	1.41E-04	5.86E-05	2.20E-05	3.46E-05	1.58E-05	2.86E-05
951	564087.01	4191161.2	3.51E-04	1.35E-04	5.63E-05	2.12E-05	3.32E-05	1.52E-05	2.76E-05
952	564095.73	4191147.34	3.38E-04	1.30E-04	5.43E-05	2.04E-05	3.20E-05	1.46E-05	2.65E-05
953	564104.45	4191133.48	3.29E-04	1.27E-04	5.27E-05	1.98E-05	3.11E-05	1.42E-05	2.58E-05
954	564121.9	4191105.75	3.18E-04	1.22E-04	5.09E-05	1.91E-05	3.01E-05	1.37E-05	2.49E-05
955	564130.62	4191091.89	3.14E-04	1.21E-04	5.03E-05	1.89E-05	2.97E-05	1.35E-05	2.46E-05
956	564139.35	4191078.03	3.12E-04	1.20E-04	5.00E-05	1.88E-05	2.95E-05	1.35E-05	2.45E-05
957	564151.69	4191069.27	3.23E-04	1.24E-04	5.18E-05	1.95E-05	3.06E-05	1.39E-05	2.53E-05
958	564167.66	4191065.62	3.50E-04	1.35E-04	5.61E-05	2.11E-05	3.31E-05	1.51E-05	2.75E-05
959	564183.62	4191061.97	3.84E-04	1.48E-04	6.16E-05	2.32E-05	3.64E-05	1.66E-05	3.01E-05
960	564199.59	4191058.32	4.31E-04	1.66E-04	6.91E-05	2.60E-05	4.08E-05	1.86E-05	3.38E-05
961	564263.45	4191043.71	8.35E-04	3.21E-04	1.34E-04	5.03E-05	7.91E-05	3.60E-05	6.55E-05
962	564279.42	4191040.06	9.55E-04	3.68E-04	1.53E-04	5.76E-05	9.04E-05	4.12E-05	7.49E-05
963	564295.39	4191036.41	1.07E-03	4.10E-04	1.71E-04	6.42E-05	1.01E-04	4.60E-05	8.36E-05
964	564311.35	4191032.76	1.17E-03	4.49E-04	1.87E-04	7.04E-05	1.10E-04	5.04E-05	9.16E-05
965	564327.32	4191029.11	1.25E-03	4.82E-04	2.01E-04	7.55E-05	1.19E-04	5.41E-05	9.83E-05
966	564343.28	4191025.46	1.31E-03	5.05E-04	2.11E-04	7.92E-05	1.24E-04	5.67E-05	1.03E-04
967	564020.2	4191273.25	3.46E-04	1.33E-04	5.55E-05	2.09E-05	3.27E-05	1.49E-05	2.71E-05
968	564017.43	4191289.42	3.48E-04	1.34E-04	5.59E-05	2.10E-05	3.30E-05	1.50E-05	2.73E-05
969	564014.66	4191305.59	3.56E-04	1.37E-04	5.71E-05	2.14E-05	3.37E-05	1.54E-05	2.79E-05
970	564016.08	4191256.56	3.33E-04	1.28E-04	5.34E-05	2.01E-05	3.15E-05	1.44E-05	2.61E-05
971	564024.78	4191242.73	3.47E-04	1.34E-04	5.57E-05	2.09E-05	3.29E-05	1.50E-05	2.72E-05
972	564033.48	4191228.9	3.60E-04	1.38E-04	5.77E-05	2.17E-05	3.41E-05	1.55E-05	2.82E-05
973	564042.19	4191215.07	3.67E-04	1.41E-04	5.88E-05	2.21E-05	3.47E-05	1.58E-05	2.88E-05
974	564050.89	4191201.24	3.65E-04	1.41E-04	5.86E-05	2.20E-05	3.46E-05	1.58E-05	2.87E-05
975	564059.59	4191187.41	3.59E-04	1.38E-04	5.75E-05	2.16E-05	3.39E-05	1.55E-05	2.81E-05
976	564068.3	4191173.58	3.48E-04	1.34E-04	5.58E-05	2.10E-05	3.29E-05	1.50E-05	2.73E-05
977	564077	4191159.75	3.35E-04	1.29E-04	5.38E-05	2.02E-05	3.17E-05	1.45E-05	2.63E-05
978	564085.7	4191145.92	3.23E-04	1.24E-04	5.18E-05	1.95E-05	3.05E-05	1.39E-05	2.53E-05
979	564094.41	4191132.09	3.13E-04	1.21E-04	5.02E-05	1.89E-05	2.96E-05	1.35E-05	2.46E-05
980	564111.81	4191104.43	3.02E-04	1.16E-04	4.85E-05	1.82E-05	2.86E-05	1.31E-05	2.37E-05
981	564120.52	4191090.6	2.98E-04	1.15E-04	4.78E-05	1.80E-05	2.82E-05	1.29E-05	2.34E-05
982	564129.22	4191076.77	2.96E-04	1.14E-04	4.74E-05	1.78E-05	2.80E-05	1.28E-05	2.32E-05
983	564145.89	4191061.12	3.05E-04	1.18E-04	4.90E-05	1.84E-05	2.89E-05	1.32E-05	2.40E-05
984	564161.82	4191057.48	3.30E-04	1.27E-04	5.29E-05	1.99E-05	3.12E-05	1.42E-05	2.59E-05

985	564177.75	4191053.84	3.61E-04	1.39E-04	5.79E-05	2.18E-05	3.42E-05	1.56E-05	2.83E-05
986	564193.68	4191050.19	4.02E-04	1.55E-04	6.46E-05	2.43E-05	3.81E-05	1.74E-05	3.16E-05
987	564225.54	4191042.91	5.42E-04	2.09E-04	8.70E-05	3.27E-05	5.13E-05	2.34E-05	4.25E-05
988	564241.46	4191039.26	6.45E-04	2.48E-04	1.03E-04	3.89E-05	6.10E-05	2.78E-05	5.06E-05
989	564257.39	4191035.62	7.60E-04	2.92E-04	1.22E-04	4.58E-05	7.19E-05	3.28E-05	5.96E-05
990	564273.32	4191031.98	8.74E-04	3.36E-04	1.40E-04	5.27E-05	8.28E-05	3.77E-05	6.86E-05
991	564289.25	4191028.33	9.81E-04	3.77E-04	1.57E-04	5.91E-05	9.28E-05	4.23E-05	7.69E-05
992	564305.18	4191024.69	1.08E-03	4.15E-04	1.73E-04	6.50E-05	1.02E-04	4.65E-05	8.45E-05
993	564321.11	4191021.05	1.16E-03	4.47E-04	1.86E-04	7.01E-05	1.10E-04	5.02E-05	9.12E-05
994	564337.04	4191017.4	1.22E-03	4.71E-04	1.96E-04	7.38E-05	1.16E-04	5.28E-05	9.60E-05
995	564352.97	4191013.76	1.27E-03	4.87E-04	2.03E-04	7.63E-05	1.20E-04	5.46E-05	9.93E-05
996	564010.34	4191271.56	3.26E-04	1.25E-04	5.23E-05	1.97E-05	3.09E-05	1.41E-05	2.56E-05
997	564007.57	4191287.73	3.28E-04	1.26E-04	5.26E-05	1.98E-05	3.11E-05	1.42E-05	2.57E-05
998	564004.81	4191303.9	3.35E-04	1.29E-04	5.37E-05	2.02E-05	3.17E-05	1.45E-05	2.63E-05
999	564300.73	4191371.94	5.19E-02	2.00E-02	8.32E-03	3.13E-03	4.91E-03	2.24E-03	4.07E-03
1000	564317.18	4191377.49	7.23E-02	2.78E-02	1.16E-02	4.36E-03	6.84E-03	3.12E-03	5.67E-03
1001	564327.03	4191379	7.45E-02	2.87E-02	1.20E-02	4.49E-03	7.05E-03	3.22E-03	5.85E-03
1002	564336.88	4191380.52	6.69E-02	2.57E-02	1.07E-02	4.03E-03	6.33E-03	2.89E-03	5.25E-03
1003	564299.21	4191381.82	3.98E-02	1.53E-02	6.39E-03	2.40E-03	3.77E-03	1.72E-03	3.12E-03
1004	564284.28	4191366.22	2.58E-02	9.91E-03	4.13E-03	1.55E-03	2.44E-03	1.11E-03	2.02E-03
1005	564315.66	4191387.38	4.73E-02	1.82E-02	7.59E-03	2.85E-03	4.48E-03	2.04E-03	3.71E-03
1006	564325.51	4191388.89	4.75E-02	1.83E-02	7.62E-03	2.86E-03	4.50E-03	2.05E-03	3.73E-03
1007	564335.37	4191390.4	4.37E-02	1.68E-02	7.01E-03	2.63E-03	4.14E-03	1.89E-03	3.43E-03
1008	564297.69	4191391.71	3.05E-02	1.17E-02	4.89E-03	1.84E-03	2.88E-03	1.31E-03	2.39E-03
1009	564284.5	4191383.63	2.43E-02	9.35E-03	3.90E-03	1.46E-03	2.30E-03	1.05E-03	1.91E-03
1010	564276.16	4191372.06	1.90E-02	7.30E-03	3.04E-03	1.14E-03	1.80E-03	8.19E-04	1.49E-03
1011	564314.14	4191397.26	3.30E-02	1.27E-02	5.30E-03	1.99E-03	3.13E-03	1.43E-03	2.59E-03
1012	564323.99	4191398.77	3.28E-02	1.26E-02	5.26E-03	1.97E-03	3.10E-03	1.41E-03	2.57E-03
1013	564333.85	4191400.29	3.06E-02	1.18E-02	4.91E-03	1.85E-03	2.90E-03	1.32E-03	2.40E-03
1014	564294.53	4191400.58	2.35E-02	9.04E-03	3.77E-03	1.42E-03	2.22E-03	1.01E-03	1.84E-03
1015	564286.28	4191395.54	2.18E-02	8.41E-03	3.50E-03	1.32E-03	2.07E-03	9.43E-04	1.71E-03
1016	564278.04	4191390.49	1.89E-02	7.25E-03	3.02E-03	1.14E-03	1.78E-03	8.14E-04	1.48E-03
1017	564267.62	4191376.02	1.43E-02	5.51E-03	2.30E-03	8.63E-04	1.36E-03	6.18E-04	1.12E-03
1018	564265.44	4191366.61	1.27E-02	4.88E-03	2.03E-03	7.64E-04	1.20E-03	5.47E-04	9.95E-04
1019	564302.77	4191405.63	2.34E-02	8.99E-03	3.75E-03	1.41E-03	2.21E-03	1.01E-03	1.83E-03
1020	564312.62	4191407.14	2.43E-02	9.35E-03	3.90E-03	1.46E-03	2.30E-03	1.05E-03	1.91E-03
1021	564322.48	4191408.66	2.40E-02	9.22E-03	3.84E-03	1.44E-03	2.27E-03	1.03E-03	1.88E-03
1022	564332.33	4191410.17	2.27E-02	8.72E-03	3.64E-03	1.37E-03	2.15E-03	9.79E-04	1.78E-03
1023	564293.34	4191410.67	1.87E-02	7.18E-03	3.00E-03	1.13E-03	1.77E-03	8.06E-04	1.46E-03
1024	564285.42	4191405.82	1.81E-02	6.98E-03	2.91E-03	1.09E-03	1.72E-03	7.83E-04	1.42E-03
1025	564277.51	4191400.98	1.66E-02	6.40E-03	2.67E-03	1.00E-03	1.58E-03	7.18E-04	1.31E-03
1026	564269.6	4191396.13	1.45E-02	5.58E-03	2.33E-03	8.74E-04	1.37E-03	6.26E-04	1.14E-03
1027	564259.59	4191382.25	1.15E-02	4.42E-03	1.84E-03	6.93E-04	1.09E-03	4.96E-04	9.01E-04
1028	564257.5	4191373.21	1.04E-02	4.01E-03	1.67E-03	6.28E-04	9.87E-04	4.50E-04	8.18E-04
1029	564255.41	4191364.17	9.11E-03	3.50E-03	1.46E-03	5.49E-04	8.62E-04	3.93E-04	7.15E-04
1030	564301.25	4191415.51	1.82E-02	7.02E-03	2.93E-03	1.10E-03	1.73E-03	7.88E-04	1.43E-03
1031	564311.1	4191417.03	1.87E-02	7.18E-03	2.99E-03	1.12E-03	1.77E-03	8.05E-04	1.46E-03
1032	564320.96	4191418.54	1.83E-02	7.06E-03	2.94E-03	1.11E-03	1.74E-03	7.92E-04	1.44E-03
1033	564330.81	4191420.05	1.75E-02	6.73E-03	2.81E-03	1.05E-03	1.66E-03	7.55E-04	1.37E-03
1034	564292.04	4191420.69	1.51E-02	5.81E-03	2.42E-03	9.10E-04	1.43E-03	6.52E-04	1.18E-03
1035	564284.35	4191415.98	1.50E-02	5.78E-03	2.41E-03	9.06E-04	1.42E-03	6.49E-04	1.18E-03
1036	564276.65	4191411.27	1.43E-02	5.52E-03	2.30E-03	8.65E-04	1.36E-03	6.19E-04	1.13E-03

1037	564268.96	4191406.56	1.31E-02	5.04E-03	2.10E-03	7.90E-04	1.24E-03	5.66E-04	1.03E-03
1038	564261.26	4191401.84	1.15E-02	4.44E-03	1.85E-03	6.95E-04	1.09E-03	4.98E-04	9.05E-04
1039	564251.53	4191388.34	9.42E-03	3.63E-03	1.51E-03	5.68E-04	8.92E-04	4.07E-04	7.39E-04
1040	564247.47	4191370.77	7.79E-03	3.00E-03	1.25E-03	4.70E-04	7.38E-04	3.36E-04	6.11E-04
1041	564299.73	4191425.4	1.46E-02	5.62E-03	2.34E-03	8.81E-04	1.38E-03	6.31E-04	1.15E-03
1042	564309.59	4191426.91	1.48E-02	5.69E-03	2.37E-03	8.91E-04	1.40E-03	6.38E-04	1.16E-03
1043	564319.44	4191428.43	1.45E-02	5.58E-03	2.33E-03	8.74E-04	1.37E-03	6.26E-04	1.14E-03
1044	564329.29	4191429.94	1.39E-02	5.35E-03	2.23E-03	8.38E-04	1.32E-03	6.00E-04	1.09E-03
1045	564290.68	4191430.67	1.24E-02	4.78E-03	1.99E-03	7.48E-04	1.18E-03	5.36E-04	9.74E-04
1046	564275.6	4191421.44	1.23E-02	4.72E-03	1.97E-03	7.39E-04	1.16E-03	5.29E-04	9.62E-04
1047	564260.53	4191412.21	1.06E-02	4.08E-03	1.70E-03	6.39E-04	1.00E-03	4.57E-04	8.31E-04
1048	564243.46	4191394.37	7.85E-03	3.02E-03	1.26E-03	4.73E-04	7.44E-04	3.39E-04	6.16E-04
1049	564239.48	4191377.15	6.72E-03	2.59E-03	1.08E-03	4.05E-04	6.36E-04	2.90E-04	5.27E-04
1050	564235.49	4191359.93	5.23E-03	2.01E-03	8.38E-04	3.15E-04	4.95E-04	2.26E-04	4.10E-04
1051	564308.07	4191436.8	1.20E-02	4.62E-03	1.92E-03	7.23E-04	1.14E-03	5.18E-04	9.41E-04
1052	564317.92	4191438.31	1.18E-02	4.53E-03	1.89E-03	7.09E-04	1.11E-03	5.08E-04	9.23E-04
1053	564327.78	4191439.82	1.13E-02	4.36E-03	1.82E-03	6.83E-04	1.07E-03	4.89E-04	8.89E-04
1054	564288.22	4191439.98	1.04E-02	4.00E-03	1.67E-03	6.27E-04	9.84E-04	4.49E-04	8.16E-04
1055	564279.74	4191434.78	1.06E-02	4.07E-03	1.70E-03	6.37E-04	1.00E-03	4.56E-04	8.29E-04
1056	564271.26	4191429.59	1.04E-02	4.00E-03	1.67E-03	6.26E-04	9.84E-04	4.49E-04	8.15E-04
1057	564262.78	4191424.4	9.85E-03	3.79E-03	1.58E-03	5.94E-04	9.33E-04	4.25E-04	7.73E-04
1058	564254.3	4191419.21	9.00E-03	3.46E-03	1.44E-03	5.43E-04	8.52E-04	3.88E-04	7.06E-04
1059	564245.82	4191414.02	7.97E-03	3.07E-03	1.28E-03	4.80E-04	7.54E-04	3.44E-04	6.25E-04
1060	564235.1	4191399.14	6.60E-03	2.54E-03	1.06E-03	3.98E-04	6.25E-04	2.85E-04	5.18E-04
1061	564232.86	4191389.45	6.16E-03	2.37E-03	9.89E-04	3.71E-04	5.83E-04	2.66E-04	4.83E-04
1062	564230.62	4191379.77	5.60E-03	2.15E-03	8.98E-04	3.37E-04	5.30E-04	2.42E-04	4.39E-04
1063	564228.38	4191370.08	4.95E-03	1.90E-03	7.93E-04	2.98E-04	4.68E-04	2.13E-04	3.88E-04
1064	564226.13	4191360.4	4.28E-03	1.65E-03	6.87E-04	2.58E-04	4.05E-04	1.85E-04	3.36E-04
1065	564296.7	4191445.17	9.93E-03	3.82E-03	1.59E-03	5.98E-04	9.40E-04	4.28E-04	7.79E-04
1066	564306.55	4191446.68	9.92E-03	3.82E-03	1.59E-03	5.98E-04	9.39E-04	4.28E-04	7.78E-04
1067	564316.4	4191448.19	9.74E-03	3.75E-03	1.56E-03	5.87E-04	9.22E-04	4.20E-04	7.64E-04
1068	564326.26	4191449.71	9.41E-03	3.62E-03	1.51E-03	5.68E-04	8.91E-04	4.06E-04	7.39E-04
1069	564286.94	4191450	8.78E-03	3.38E-03	1.41E-03	5.29E-04	8.31E-04	3.79E-04	6.89E-04
1070	564278.69	4191444.96	9.01E-03	3.47E-03	1.45E-03	5.43E-04	8.53E-04	3.89E-04	7.07E-04
1071	564270.45	4191439.91	9.00E-03	3.46E-03	1.44E-03	5.43E-04	8.52E-04	3.89E-04	7.06E-04
1072	564262.2	4191434.86	8.74E-03	3.36E-03	1.40E-03	5.27E-04	8.27E-04	3.77E-04	6.86E-04
1073	564253.96	4191429.81	8.24E-03	3.17E-03	1.32E-03	4.96E-04	7.80E-04	3.55E-04	6.46E-04
1074	564245.72	4191424.77	7.53E-03	2.90E-03	1.21E-03	4.54E-04	7.13E-04	3.25E-04	5.91E-04
1075	564237.47	4191419.72	6.73E-03	2.59E-03	1.08E-03	4.05E-04	6.37E-04	2.90E-04	5.28E-04
1076	564227.05	4191405.26	5.66E-03	2.18E-03	9.09E-04	3.41E-04	5.36E-04	2.44E-04	4.44E-04
1077	564224.87	4191395.84	5.34E-03	2.05E-03	8.57E-04	3.22E-04	5.05E-04	2.30E-04	4.19E-04
1078	564222.69	4191386.42	4.92E-03	1.89E-03	7.90E-04	2.97E-04	4.66E-04	2.13E-04	3.86E-04
1079	564220.51	4191377	4.45E-03	1.71E-03	7.13E-04	2.68E-04	4.21E-04	1.92E-04	3.49E-04
1080	564218.33	4191367.59	3.93E-03	1.51E-03	6.31E-04	2.37E-04	3.72E-04	1.70E-04	3.08E-04
1081	564216.15	4191358.17	3.43E-03	1.32E-03	5.51E-04	2.07E-04	3.25E-04	1.48E-04	2.69E-04
1082	564261.42	4191445.19	7.72E-03	2.97E-03	1.24E-03	4.65E-04	7.31E-04	3.33E-04	6.06E-04
1083	564253.36	4191440.26	7.44E-03	2.86E-03	1.19E-03	4.48E-04	7.04E-04	3.21E-04	5.83E-04
1084	564245.3	4191435.32	6.98E-03	2.69E-03	1.12E-03	4.21E-04	6.61E-04	3.01E-04	5.48E-04
1085	564237.24	4191430.39	6.41E-03	2.47E-03	1.03E-03	3.86E-04	6.06E-04	2.77E-04	5.03E-04
1086	564229.18	4191425.45	5.76E-03	2.22E-03	9.25E-04	3.47E-04	5.46E-04	2.49E-04	4.52E-04
1087	564218.99	4191411.31	4.92E-03	1.89E-03	7.90E-04	2.97E-04	4.66E-04	2.13E-04	3.86E-04
1088	564216.85	4191402.1	4.67E-03	1.80E-03	7.49E-04	2.81E-04	4.42E-04	2.02E-04	3.66E-04

1089	564214.72	4191392.9	4.35E-03	1.68E-03	6.99E-04	2.63E-04	4.12E-04	1.88E-04	3.42E-04
1090	564212.59	4191383.69	3.99E-03	1.54E-03	6.40E-04	2.41E-04	3.78E-04	1.72E-04	3.13E-04
1091	564210.46	4191374.48	3.60E-03	1.38E-03	5.77E-04	2.17E-04	3.41E-04	1.55E-04	2.82E-04
1092	564208.33	4191365.27	3.19E-03	1.23E-03	5.12E-04	1.93E-04	3.02E-04	1.38E-04	2.51E-04
1093	564206.2	4191356.06	2.81E-03	1.08E-03	4.51E-04	1.70E-04	2.66E-04	1.21E-04	2.21E-04
1094	564236.75	4191440.9	5.99E-03	2.31E-03	9.62E-04	3.61E-04	5.68E-04	2.59E-04	4.70E-04
1095	564228.83	4191436.06	5.52E-03	2.12E-03	8.86E-04	3.33E-04	5.23E-04	2.38E-04	4.33E-04
1096	564220.92	4191431.21	5.00E-03	1.92E-03	8.02E-04	3.01E-04	4.73E-04	2.16E-04	3.92E-04
1097	564210.91	4191417.32	4.33E-03	1.66E-03	6.94E-04	2.61E-04	4.09E-04	1.87E-04	3.39E-04
1098	564208.82	4191408.28	4.12E-03	1.59E-03	6.61E-04	2.48E-04	3.90E-04	1.78E-04	3.23E-04
1099	564206.73	4191399.24	3.87E-03	1.49E-03	6.22E-04	2.34E-04	3.67E-04	1.67E-04	3.04E-04
1100	564204.63	4191390.2	3.59E-03	1.38E-03	5.76E-04	2.16E-04	3.40E-04	1.55E-04	2.82E-04
1101	564202.54	4191381.16	3.28E-03	1.26E-03	5.27E-04	1.98E-04	3.11E-04	1.42E-04	2.58E-04
1102	564200.45	4191372.12	2.96E-03	1.14E-03	4.75E-04	1.79E-04	2.80E-04	1.28E-04	2.32E-04
1103	564198.36	4191363.08	2.65E-03	1.02E-03	4.24E-04	1.59E-04	2.50E-04	1.14E-04	2.08E-04
1104	564196.27	4191354.04	2.35E-03	9.06E-04	3.78E-04	1.42E-04	2.23E-04	1.02E-04	1.85E-04
1105	564292.14	4191474.82	6.18E-03	2.38E-03	9.92E-04	3.73E-04	5.85E-04	2.67E-04	4.85E-04
1106	564302	4191476.33	6.13E-03	2.36E-03	9.84E-04	3.70E-04	5.81E-04	2.65E-04	4.81E-04
1107	564311.85	4191477.85	6.03E-03	2.32E-03	9.67E-04	3.63E-04	5.71E-04	2.60E-04	4.73E-04
1108	564321.7	4191479.36	5.87E-03	2.26E-03	9.42E-04	3.54E-04	5.56E-04	2.54E-04	4.61E-04
1109	564267.24	4191470.39	6.01E-03	2.31E-03	9.64E-04	3.62E-04	5.69E-04	2.59E-04	4.71E-04
1110	564259.45	4191465.62	6.05E-03	2.33E-03	9.70E-04	3.65E-04	5.73E-04	2.61E-04	4.74E-04
1111	564251.66	4191460.84	5.99E-03	2.30E-03	9.60E-04	3.61E-04	5.67E-04	2.58E-04	4.70E-04
1112	564212.68	4191436.98	4.38E-03	1.69E-03	7.03E-04	2.64E-04	4.15E-04	1.89E-04	3.44E-04
1113	564202.83	4191423.31	3.83E-03	1.47E-03	6.15E-04	2.31E-04	3.63E-04	1.65E-04	3.01E-04
1114	564198.71	4191405.5	3.47E-03	1.34E-03	5.57E-04	2.09E-04	3.29E-04	1.50E-04	2.72E-04
1115	564196.65	4191396.6	3.25E-03	1.25E-03	5.21E-04	1.96E-04	3.08E-04	1.40E-04	2.55E-04
1116	564192.53	4191378.79	2.74E-03	1.06E-03	4.40E-04	1.65E-04	2.60E-04	1.18E-04	2.15E-04
1117	564290.63	4191484.7	5.41E-03	2.08E-03	8.67E-04	3.26E-04	5.12E-04	2.33E-04	4.24E-04
1118	564300.48	4191486.22	5.35E-03	2.06E-03	8.59E-04	3.23E-04	5.07E-04	2.31E-04	4.20E-04
1119	564310.33	4191487.73	5.26E-03	2.02E-03	8.43E-04	3.17E-04	4.98E-04	2.27E-04	4.12E-04
1120	564320.19	4191489.24	5.12E-03	1.97E-03	8.22E-04	3.09E-04	4.85E-04	2.21E-04	4.02E-04
1121	564263.93	4191479.17	5.34E-03	2.05E-03	8.56E-04	3.22E-04	5.05E-04	2.30E-04	4.19E-04
1122	564255.53	4191474.03	5.38E-03	2.07E-03	8.64E-04	3.25E-04	5.10E-04	2.32E-04	4.22E-04
1123	564247.14	4191468.89	5.34E-03	2.05E-03	8.56E-04	3.22E-04	5.05E-04	2.30E-04	4.19E-04
1124	564238.75	4191463.75	5.19E-03	2.00E-03	8.33E-04	3.13E-04	4.91E-04	2.24E-04	4.07E-04
1125	564230.35	4191458.61	4.95E-03	1.91E-03	7.95E-04	2.99E-04	4.69E-04	2.14E-04	3.89E-04
1126	564194.56	4191428.47	3.41E-03	1.31E-03	5.48E-04	2.06E-04	3.23E-04	1.47E-04	2.68E-04
1127	564192.34	4191418.88	3.27E-03	1.26E-03	5.24E-04	1.97E-04	3.09E-04	1.41E-04	2.56E-04
1128	564190.12	4191409.29	3.09E-03	1.19E-03	4.95E-04	1.86E-04	2.92E-04	1.33E-04	2.42E-04
1129	564176.81	4191351.76	1.76E-03	6.76E-04	2.82E-04	1.06E-04	1.66E-04	7.58E-05	1.38E-04
1130	564174.59	4191342.17	1.58E-03	6.09E-04	2.54E-04	9.54E-05	1.50E-04	6.83E-05	1.24E-04
1131	564289.11	4191494.59	4.77E-03	1.83E-03	7.65E-04	2.87E-04	4.51E-04	2.06E-04	3.74E-04
1132	564298.96	4191496.1	4.71E-03	1.81E-03	7.56E-04	2.84E-04	4.46E-04	2.03E-04	3.70E-04
1133	564308.81	4191497.61	4.63E-03	1.78E-03	7.42E-04	2.79E-04	4.38E-04	2.00E-04	3.63E-04
1134	564318.67	4191499.13	4.52E-03	1.74E-03	7.24E-04	2.72E-04	4.27E-04	1.95E-04	3.54E-04
1135	564262.86	4191489.33	4.75E-03	1.83E-03	7.62E-04	2.86E-04	4.50E-04	2.05E-04	3.73E-04
1136	564254.61	4191484.28	4.82E-03	1.85E-03	7.73E-04	2.90E-04	4.56E-04	2.08E-04	3.78E-04
1137	564246.37	4191479.24	4.82E-03	1.85E-03	7.73E-04	2.90E-04	4.56E-04	2.08E-04	3.78E-04
1138	564238.13	4191474.19	4.74E-03	1.82E-03	7.60E-04	2.86E-04	4.48E-04	2.05E-04	3.72E-04
1139	564229.88	4191469.14	4.59E-03	1.76E-03	7.36E-04	2.76E-04	4.34E-04	1.98E-04	3.60E-04
1140	564221.64	4191464.09	4.37E-03	1.68E-03	7.01E-04	2.63E-04	4.13E-04	1.89E-04	3.43E-04

1141	564213.4	4191459.05	4.10E-03	1.58E-03	6.57E-04	2.47E-04	3.88E-04	1.77E-04	3.22E-04
1142	564205.15	4191454	3.79E-03	1.46E-03	6.09E-04	2.29E-04	3.59E-04	1.64E-04	2.98E-04
1143	564173.41	4191377.98	2.06E-03	7.91E-04	3.30E-04	1.24E-04	1.95E-04	8.88E-05	1.61E-04
1144	564171.23	4191368.57	1.87E-03	7.18E-04	2.99E-04	1.12E-04	1.77E-04	8.05E-05	1.46E-04
1145	564169.05	4191359.15	1.69E-03	6.49E-04	2.71E-04	1.02E-04	1.60E-04	7.28E-05	1.32E-04
1146	564166.87	4191349.73	1.53E-03	5.87E-04	2.45E-04	9.20E-05	1.45E-04	6.59E-05	1.20E-04
1147	564164.69	4191340.32	1.39E-03	5.34E-04	2.23E-04	8.36E-05	1.31E-04	5.99E-05	1.09E-04
1148	564287.59	4191504.47	4.24E-03	1.63E-03	6.80E-04	2.55E-04	4.01E-04	1.83E-04	3.33E-04
1149	564297.44	4191505.98	4.19E-03	1.61E-03	6.72E-04	2.52E-04	3.96E-04	1.81E-04	3.29E-04
1150	564307.3	4191507.5	4.11E-03	1.58E-03	6.60E-04	2.48E-04	3.89E-04	1.77E-04	3.23E-04
1151	564317.15	4191509.01	4.02E-03	1.55E-03	6.45E-04	2.42E-04	3.80E-04	1.73E-04	3.15E-04
1152	564261.72	4191499.45	4.25E-03	1.63E-03	6.81E-04	2.56E-04	4.02E-04	1.83E-04	3.33E-04
1153	564253.6	4191494.48	4.33E-03	1.66E-03	6.94E-04	2.61E-04	4.10E-04	1.87E-04	3.39E-04
1154	564245.49	4191489.51	4.35E-03	1.67E-03	6.98E-04	2.62E-04	4.12E-04	1.88E-04	3.41E-04
1155	564237.37	4191484.54	4.32E-03	1.66E-03	6.93E-04	2.60E-04	4.09E-04	1.86E-04	3.39E-04
1156	564229.25	4191479.57	4.23E-03	1.63E-03	6.78E-04	2.55E-04	4.00E-04	1.82E-04	3.32E-04
1157	564221.14	4191474.6	4.08E-03	1.57E-03	6.55E-04	2.46E-04	3.86E-04	1.76E-04	3.20E-04
1158	564213.02	4191469.63	3.88E-03	1.49E-03	6.23E-04	2.34E-04	3.67E-04	1.68E-04	3.04E-04
1159	564204.9	4191464.66	3.64E-03	1.40E-03	5.85E-04	2.20E-04	3.45E-04	1.57E-04	2.86E-04
1160	564196.79	4191459.69	3.39E-03	1.30E-03	5.43E-04	2.04E-04	3.21E-04	1.46E-04	2.66E-04
1161	564188.67	4191454.72	3.12E-03	1.20E-03	5.00E-04	1.88E-04	2.95E-04	1.35E-04	2.45E-04
1162	564171.97	4191412.66	2.43E-03	9.34E-04	3.90E-04	1.46E-04	2.30E-04	1.05E-04	1.90E-04
1163	564169.82	4191403.39	2.28E-03	8.76E-04	3.65E-04	1.37E-04	2.16E-04	9.83E-05	1.79E-04
1164	564167.68	4191394.12	2.11E-03	8.13E-04	3.39E-04	1.27E-04	2.00E-04	9.12E-05	1.66E-04
1165	564165.53	4191384.84	1.94E-03	7.48E-04	3.12E-04	1.17E-04	1.84E-04	8.39E-05	1.52E-04
1166	564163.38	4191375.57	1.78E-03	6.83E-04	2.85E-04	1.07E-04	1.68E-04	7.66E-05	1.39E-04
1167	564161.24	4191366.3	1.62E-03	6.23E-04	2.60E-04	9.75E-05	1.53E-04	6.98E-05	1.27E-04
1168	564159.09	4191357.03	1.47E-03	5.66E-04	2.36E-04	8.87E-05	1.39E-04	6.35E-05	1.15E-04
1169	564156.95	4191347.76	1.34E-03	5.16E-04	2.15E-04	8.08E-05	1.27E-04	5.79E-05	1.05E-04
1170	564154.8	4191338.48	1.23E-03	4.72E-04	1.97E-04	7.39E-05	1.16E-04	5.29E-05	9.61E-05
1171	564286.07	4191514.36	3.79E-03	1.46E-03	6.08E-04	2.29E-04	3.59E-04	1.64E-04	2.98E-04
1172	564295.92	4191515.87	3.74E-03	1.44E-03	6.01E-04	2.26E-04	3.55E-04	1.62E-04	2.94E-04
1173	564305.78	4191517.38	3.68E-03	1.42E-03	5.90E-04	2.22E-04	3.48E-04	1.59E-04	2.89E-04
1174	564315.63	4191518.9	3.60E-03	1.38E-03	5.77E-04	2.17E-04	3.41E-04	1.55E-04	2.82E-04
1175	564260.53	4191509.53	3.82E-03	1.47E-03	6.13E-04	2.30E-04	3.61E-04	1.65E-04	3.00E-04
1176	564252.52	4191504.63	3.90E-03	1.50E-03	6.26E-04	2.35E-04	3.69E-04	1.68E-04	3.06E-04
1177	564244.51	4191499.72	3.94E-03	1.52E-03	6.33E-04	2.38E-04	3.73E-04	1.70E-04	3.09E-04
1178	564236.5	4191494.82	3.94E-03	1.52E-03	6.32E-04	2.37E-04	3.73E-04	1.70E-04	3.09E-04
1179	564228.5	4191489.92	3.89E-03	1.50E-03	6.24E-04	2.34E-04	3.68E-04	1.68E-04	3.05E-04
1180	564220.49	4191485.02	3.79E-03	1.46E-03	6.09E-04	2.29E-04	3.59E-04	1.64E-04	2.98E-04
1181	564212.48	4191480.11	3.65E-03	1.41E-03	5.86E-04	2.20E-04	3.46E-04	1.58E-04	2.87E-04
1182	564204.47	4191475.21	3.47E-03	1.34E-03	5.57E-04	2.09E-04	3.29E-04	1.50E-04	2.73E-04
1183	564196.46	4191470.31	3.27E-03	1.26E-03	5.24E-04	1.97E-04	3.09E-04	1.41E-04	2.56E-04
1184	564188.46	4191465.4	3.05E-03	1.17E-03	4.89E-04	1.84E-04	2.89E-04	1.32E-04	2.39E-04
1185	564168.2	4191437.3	2.44E-03	9.39E-04	3.92E-04	1.47E-04	2.31E-04	1.05E-04	1.92E-04
1186	564166.09	4191428.15	2.35E-03	9.02E-04	3.76E-04	1.41E-04	2.22E-04	1.01E-04	1.84E-04
1187	564163.97	4191419	2.23E-03	8.59E-04	3.58E-04	1.35E-04	2.11E-04	9.64E-05	1.75E-04
1188	564161.85	4191409.86	2.11E-03	8.11E-04	3.38E-04	1.27E-04	2.00E-04	9.10E-05	1.65E-04
1189	564159.74	4191400.71	1.97E-03	7.59E-04	3.17E-04	1.19E-04	1.87E-04	8.52E-05	1.55E-04
1190	564157.62	4191391.56	1.83E-03	7.05E-04	2.94E-04	1.10E-04	1.73E-04	7.90E-05	1.44E-04
1191	564155.5	4191382.41	1.69E-03	6.50E-04	2.71E-04	1.02E-04	1.60E-04	7.29E-05	1.32E-04
1192	564153.38	4191373.26	1.55E-03	5.96E-04	2.48E-04	9.33E-05	1.47E-04	6.68E-05	1.21E-04

1193	564151.27	4191364.12	1.42E-03	5.45E-04	2.27E-04	8.54E-05	1.34E-04	6.12E-05	1.11E-04
1194	564149.15	4191354.97	1.30E-03	4.98E-04	2.08E-04	7.81E-05	1.23E-04	5.59E-05	1.02E-04
1195	564147.03	4191345.82	1.19E-03	4.57E-04	1.90E-04	7.15E-05	1.12E-04	5.12E-05	9.31E-05
1196	564144.92	4191336.67	1.09E-03	4.20E-04	1.75E-04	6.57E-05	1.03E-04	4.71E-05	8.56E-05
1197	564284.55	4191524.24	3.41E-03	1.31E-03	5.48E-04	2.06E-04	3.23E-04	1.47E-04	2.68E-04
1198	564294.41	4191525.75	3.37E-03	1.30E-03	5.41E-04	2.03E-04	3.19E-04	1.45E-04	2.64E-04
1199	564304.26	4191527.27	3.31E-03	1.27E-03	5.31E-04	2.00E-04	3.14E-04	1.43E-04	2.60E-04
1200	564314.11	4191528.78	3.24E-03	1.25E-03	5.20E-04	1.95E-04	3.07E-04	1.40E-04	2.54E-04
1201	564257.6	4191518.55	3.47E-03	1.33E-03	5.56E-04	2.09E-04	3.28E-04	1.50E-04	2.72E-04
1202	564249.12	4191513.36	3.55E-03	1.37E-03	5.69E-04	2.14E-04	3.36E-04	1.53E-04	2.78E-04
1203	564240.64	4191508.17	3.59E-03	1.38E-03	5.76E-04	2.17E-04	3.40E-04	1.55E-04	2.82E-04
1204	564232.16	4191502.97	3.59E-03	1.38E-03	5.77E-04	2.17E-04	3.40E-04	1.55E-04	2.82E-04
1205	564223.68	4191497.78	3.55E-03	1.37E-03	5.70E-04	2.14E-04	3.36E-04	1.53E-04	2.79E-04
1206	564215.2	4191492.59	3.47E-03	1.33E-03	5.57E-04	2.09E-04	3.28E-04	1.50E-04	2.72E-04
1207	564206.72	4191487.4	3.34E-03	1.29E-03	5.36E-04	2.01E-04	3.16E-04	1.44E-04	2.62E-04
1208	564198.24	4191482.21	3.18E-03	1.22E-03	5.10E-04	1.92E-04	3.01E-04	1.37E-04	2.49E-04
1209	564189.76	4191477.02	2.99E-03	1.15E-03	4.80E-04	1.80E-04	2.83E-04	1.29E-04	2.35E-04
1210	564181.28	4191471.83	2.79E-03	1.07E-03	4.47E-04	1.68E-04	2.64E-04	1.20E-04	2.19E-04
1211	564162.08	4191451.76	2.30E-03	8.86E-04	3.69E-04	1.39E-04	2.18E-04	9.94E-05	1.81E-04
1212	564159.84	4191442.07	2.23E-03	8.57E-04	3.57E-04	1.34E-04	2.11E-04	9.62E-05	1.75E-04
1213	564157.6	4191432.38	2.14E-03	8.23E-04	3.43E-04	1.29E-04	2.02E-04	9.23E-05	1.68E-04
1214	564155.36	4191422.7	2.03E-03	7.82E-04	3.26E-04	1.23E-04	1.93E-04	8.78E-05	1.60E-04
1215	564153.12	4191413.01	1.92E-03	7.38E-04	3.08E-04	1.16E-04	1.81E-04	8.27E-05	1.50E-04
1216	564150.88	4191403.33	1.79E-03	6.89E-04	2.87E-04	1.08E-04	1.70E-04	7.73E-05	1.41E-04
1217	564148.63	4191393.64	1.66E-03	6.40E-04	2.67E-04	1.00E-04	1.57E-04	7.17E-05	1.30E-04
1218	564146.39	4191383.95	1.53E-03	5.89E-04	2.46E-04	9.23E-05	1.45E-04	6.61E-05	1.20E-04
1219	564144.15	4191374.27	1.40E-03	5.40E-04	2.25E-04	8.46E-05	1.33E-04	6.06E-05	1.10E-04
1220	564141.91	4191364.58	1.28E-03	4.93E-04	2.06E-04	7.72E-05	1.21E-04	5.53E-05	1.01E-04
1221	564139.67	4191354.89	1.17E-03	4.50E-04	1.88E-04	7.05E-05	1.11E-04	5.05E-05	9.17E-05
1222	564137.42	4191345.21	1.07E-03	4.11E-04	1.71E-04	6.44E-05	1.01E-04	4.61E-05	8.39E-05
1223	564135.18	4191335.52	9.82E-04	3.78E-04	1.57E-04	5.92E-05	9.29E-05	4.24E-05	7.70E-05
1224	564283.03	4191534.12	3.09E-03	1.19E-03	4.95E-04	1.86E-04	2.92E-04	1.33E-04	2.42E-04
1225	564292.89	4191535.64	3.05E-03	1.17E-03	4.89E-04	1.84E-04	2.89E-04	1.32E-04	2.39E-04
1226	564302.74	4191537.15	3.00E-03	1.15E-03	4.81E-04	1.81E-04	2.84E-04	1.29E-04	2.35E-04
1227	564312.59	4191538.66	2.94E-03	1.13E-03	4.71E-04	1.77E-04	2.78E-04	1.27E-04	2.31E-04
1228	564256.46	4191528.66	3.15E-03	1.21E-03	5.05E-04	1.90E-04	2.98E-04	1.36E-04	2.47E-04
1229	564248.1	4191523.55	3.22E-03	1.24E-03	5.17E-04	1.94E-04	3.05E-04	1.39E-04	2.53E-04
1230	564239.75	4191518.44	3.28E-03	1.26E-03	5.26E-04	1.97E-04	3.10E-04	1.41E-04	2.57E-04
1231	564231.4	4191513.32	3.30E-03	1.27E-03	5.29E-04	1.99E-04	3.12E-04	1.42E-04	2.59E-04
1232	564223.04	4191508.21	3.28E-03	1.26E-03	5.26E-04	1.98E-04	3.11E-04	1.42E-04	2.57E-04
1233	564214.69	4191503.09	3.23E-03	1.24E-03	5.18E-04	1.95E-04	3.06E-04	1.39E-04	2.53E-04
1234	564206.33	4191497.98	3.14E-03	1.21E-03	5.04E-04	1.90E-04	2.98E-04	1.36E-04	2.47E-04
1235	564197.98	4191492.86	3.02E-03	1.16E-03	4.85E-04	1.82E-04	2.86E-04	1.31E-04	2.37E-04
1236	564189.63	4191487.75	2.88E-03	1.11E-03	4.62E-04	1.73E-04	2.72E-04	1.24E-04	2.26E-04
1237	564181.27	4191482.63	2.71E-03	1.04E-03	4.35E-04	1.63E-04	2.57E-04	1.17E-04	2.13E-04
1238	564164.57	4191472.4	2.35E-03	9.03E-04	3.77E-04	1.41E-04	2.22E-04	1.01E-04	1.84E-04
1239	564154	4191457.75	2.11E-03	8.13E-04	3.39E-04	1.27E-04	2.00E-04	9.12E-05	1.66E-04
1240	564151.8	4191448.2	2.05E-03	7.89E-04	3.29E-04	1.24E-04	1.94E-04	8.85E-05	1.61E-04
1241	564149.59	4191438.66	1.98E-03	7.60E-04	3.17E-04	1.19E-04	1.87E-04	8.53E-05	1.55E-04
1242	564147.38	4191429.12	1.89E-03	7.27E-04	3.03E-04	1.14E-04	1.79E-04	8.15E-05	1.48E-04
1243	564145.17	4191419.58	1.79E-03	6.89E-04	2.87E-04	1.08E-04	1.69E-04	7.72E-05	1.40E-04
1244	564142.96	4191410.03	1.68E-03	6.47E-04	2.70E-04	1.01E-04	1.59E-04	7.26E-05	1.32E-04

1245	564140.75	4191400.49	1.57E-03	6.05E-04	2.52E-04	9.47E-05	1.49E-04	6.78E-05	1.23E-04
1246	564138.54	4191390.95	1.46E-03	5.62E-04	2.34E-04	8.80E-05	1.38E-04	6.30E-05	1.14E-04
1247	564136.34	4191381.4	1.35E-03	5.18E-04	2.16E-04	8.12E-05	1.27E-04	5.81E-05	1.06E-04
1248	564134.13	4191371.86	1.24E-03	4.76E-04	1.98E-04	7.45E-05	1.17E-04	5.34E-05	9.70E-05
1249	564131.92	4191362.32	1.13E-03	4.36E-04	1.82E-04	6.83E-05	1.07E-04	4.89E-05	8.89E-05
1250	564129.71	4191352.78	1.04E-03	4.00E-04	1.67E-04	6.27E-05	9.84E-05	4.49E-05	8.15E-05
1251	564127.5	4191343.23	9.56E-04	3.68E-04	1.53E-04	5.76E-05	9.05E-05	4.13E-05	7.50E-05
1252	564125.29	4191333.69	8.84E-04	3.40E-04	1.42E-04	5.33E-05	8.37E-05	3.81E-05	6.93E-05
1253	564281.52	4191544.01	2.80E-03	1.08E-03	4.50E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04
1254	564291.37	4191545.52	2.77E-03	1.07E-03	4.45E-04	1.67E-04	2.62E-04	1.20E-04	2.17E-04
1255	564301.22	4191547.03	2.73E-03	1.05E-03	4.37E-04	1.64E-04	2.58E-04	1.18E-04	2.14E-04
1256	564311.08	4191548.55	2.67E-03	1.03E-03	4.29E-04	1.61E-04	2.53E-04	1.15E-04	2.10E-04
1257	564255.27	4191538.75	2.86E-03	1.10E-03	4.59E-04	1.73E-04	2.71E-04	1.24E-04	2.25E-04
1258	564247.02	4191533.7	2.94E-03	1.13E-03	4.72E-04	1.77E-04	2.78E-04	1.27E-04	2.31E-04
1259	564238.78	4191528.66	3.00E-03	1.15E-03	4.81E-04	1.81E-04	2.84E-04	1.29E-04	2.35E-04
1260	564230.54	4191523.61	3.03E-03	1.16E-03	4.86E-04	1.82E-04	2.87E-04	1.31E-04	2.37E-04
1261	564222.29	4191518.56	3.03E-03	1.17E-03	4.86E-04	1.83E-04	2.87E-04	1.31E-04	2.38E-04
1262	564214.05	4191513.51	3.00E-03	1.16E-03	4.82E-04	1.81E-04	2.84E-04	1.30E-04	2.36E-04
1263	564205.81	4191508.47	2.95E-03	1.13E-03	4.73E-04	1.78E-04	2.79E-04	1.27E-04	2.31E-04
1264	564197.56	4191503.42	2.86E-03	1.10E-03	4.59E-04	1.72E-04	2.71E-04	1.23E-04	2.24E-04
1265	564189.32	4191498.37	2.75E-03	1.06E-03	4.41E-04	1.66E-04	2.60E-04	1.19E-04	2.16E-04
1266	564181.07	4191493.32	2.61E-03	1.01E-03	4.19E-04	1.58E-04	2.48E-04	1.13E-04	2.05E-04
1267	564164.59	4191483.23	2.31E-03	8.89E-04	3.71E-04	1.39E-04	2.19E-04	9.97E-05	1.81E-04
1268	564156.34	4191478.18	2.15E-03	8.27E-04	3.45E-04	1.30E-04	2.03E-04	9.27E-05	1.69E-04
1269	564145.92	4191463.72	1.95E-03	7.49E-04	3.12E-04	1.17E-04	1.84E-04	8.40E-05	1.53E-04
1270	564143.74	4191454.3	1.89E-03	7.29E-04	3.04E-04	1.14E-04	1.79E-04	8.17E-05	1.49E-04
1271	564141.56	4191444.88	1.83E-03	7.04E-04	2.94E-04	1.10E-04	1.73E-04	7.90E-05	1.44E-04
1272	564139.38	4191435.47	1.76E-03	6.76E-04	2.82E-04	1.06E-04	1.66E-04	7.59E-05	1.38E-04
1273	564137.2	4191426.05	1.67E-03	6.44E-04	2.68E-04	1.01E-04	1.58E-04	7.22E-05	1.31E-04
1274	564135.02	4191416.63	1.58E-03	6.09E-04	2.54E-04	9.54E-05	1.50E-04	6.83E-05	1.24E-04
1275	564132.84	4191407.22	1.49E-03	5.72E-04	2.39E-04	8.97E-05	1.41E-04	6.42E-05	1.17E-04
1276	564130.66	4191397.8	1.39E-03	5.35E-04	2.23E-04	8.38E-05	1.32E-04	6.00E-05	1.09E-04
1277	564128.48	4191388.38	1.29E-03	4.96E-04	2.07E-04	7.78E-05	1.22E-04	5.57E-05	1.01E-04
1278	564126.3	4191378.96	1.19E-03	4.58E-04	1.91E-04	7.18E-05	1.13E-04	5.14E-05	9.34E-05
1279	564124.13	4191369.55	1.10E-03	4.22E-04	1.76E-04	6.61E-05	1.04E-04	4.74E-05	8.61E-05
1280	564121.95	4191360.13	1.01E-03	3.89E-04	1.62E-04	6.09E-05	9.56E-05	4.36E-05	7.92E-05
1281	564119.77	4191350.71	9.31E-04	3.58E-04	1.49E-04	5.61E-05	8.81E-05	4.02E-05	7.30E-05
1282	564117.59	4191341.29	8.61E-04	3.31E-04	1.38E-04	5.19E-05	8.15E-05	3.72E-05	6.75E-05
1283	564115.41	4191331.88	8.01E-04	3.08E-04	1.28E-04	4.83E-05	7.58E-05	3.46E-05	6.28E-05
1284	564245.89	4191543.82	2.69E-03	1.03E-03	4.31E-04	1.62E-04	2.55E-04	1.16E-04	2.11E-04
1285	564237.75	4191538.84	2.75E-03	1.06E-03	4.41E-04	1.66E-04	2.60E-04	1.19E-04	2.15E-04
1286	564229.6	4191533.85	2.78E-03	1.07E-03	4.47E-04	1.68E-04	2.64E-04	1.20E-04	2.18E-04
1287	564221.45	4191528.86	2.80E-03	1.08E-03	4.49E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04
1288	564213.31	4191523.87	2.79E-03	1.07E-03	4.47E-04	1.68E-04	2.64E-04	1.20E-04	2.19E-04
1289	564205.16	4191518.89	2.75E-03	1.06E-03	4.42E-04	1.66E-04	2.61E-04	1.19E-04	2.16E-04
1290	564197.01	4191513.9	2.69E-03	1.04E-03	4.32E-04	1.62E-04	2.55E-04	1.16E-04	2.11E-04
1291	564188.87	4191508.91	2.61E-03	1.00E-03	4.19E-04	1.57E-04	2.47E-04	1.13E-04	2.05E-04
1292	564180.72	4191503.92	2.51E-03	9.65E-04	4.02E-04	1.51E-04	2.37E-04	1.08E-04	1.97E-04
1293	564164.43	4191493.95	2.26E-03	8.68E-04	3.62E-04	1.36E-04	2.13E-04	9.73E-05	1.77E-04
1294	564156.28	4191488.96	2.12E-03	8.14E-04	3.40E-04	1.28E-04	2.00E-04	9.14E-05	1.66E-04
1295	564148.13	4191483.97	1.98E-03	7.60E-04	3.17E-04	1.19E-04	1.87E-04	8.53E-05	1.55E-04
1296	564137.83	4191469.68	1.80E-03	6.92E-04	2.89E-04	1.08E-04	1.70E-04	7.76E-05	1.41E-04

1297	564135.68	4191460.37	1.75E-03	6.74E-04	2.81E-04	1.06E-04	1.66E-04	7.56E-05	1.37E-04
1298	564133.53	4191451.06	1.70E-03	6.53E-04	2.72E-04	1.02E-04	1.61E-04	7.33E-05	1.33E-04
1299	564131.37	4191441.76	1.64E-03	6.29E-04	2.62E-04	9.86E-05	1.55E-04	7.06E-05	1.28E-04
1300	564129.22	4191432.45	1.57E-03	6.03E-04	2.51E-04	9.44E-05	1.48E-04	6.76E-05	1.23E-04
1301	564127.06	4191423.14	1.49E-03	5.73E-04	2.39E-04	8.98E-05	1.41E-04	6.43E-05	1.17E-04
1302	564124.91	4191413.84	1.41E-03	5.42E-04	2.26E-04	8.49E-05	1.33E-04	6.08E-05	1.10E-04
1303	564122.76	4191404.53	1.32E-03	5.09E-04	2.12E-04	7.98E-05	1.25E-04	5.71E-05	1.04E-04
1304	564120.6	4191395.22	1.24E-03	4.76E-04	1.98E-04	7.45E-05	1.17E-04	5.33E-05	9.69E-05
1305	564118.45	4191385.92	1.15E-03	4.42E-04	1.84E-04	6.92E-05	1.09E-04	4.95E-05	9.00E-05
1306	564116.29	4191376.61	1.06E-03	4.08E-04	1.70E-04	6.39E-05	1.00E-04	4.58E-05	8.32E-05
1307	564114.14	4191367.31	9.80E-04	3.77E-04	1.57E-04	5.91E-05	9.28E-05	4.23E-05	7.69E-05
1308	564111.99	4191358	9.06E-04	3.49E-04	1.45E-04	5.46E-05	8.58E-05	3.91E-05	7.11E-05
1309	564109.83	4191348.69	8.39E-04	3.23E-04	1.35E-04	5.06E-05	7.94E-05	3.62E-05	6.58E-05
1310	564107.68	4191339.39	7.79E-04	3.00E-04	1.25E-04	4.70E-05	7.38E-05	3.36E-05	6.11E-05
1311	564105.53	4191330.08	7.28E-04	2.80E-04	1.17E-04	4.39E-05	6.90E-05	3.14E-05	5.71E-05
1312	564278.48	4191563.78	2.34E-03	9.02E-04	3.76E-04	1.41E-04	2.22E-04	1.01E-04	1.84E-04
1313	564268.9	4191568.73	2.24E-03	8.61E-04	3.59E-04	1.35E-04	2.12E-04	9.66E-05	1.76E-04
1314	564260.84	4191563.79	2.32E-03	8.93E-04	3.72E-04	1.40E-04	2.20E-04	1.00E-04	1.82E-04
1315	564252.78	4191558.85	2.40E-03	9.23E-04	3.85E-04	1.45E-04	2.27E-04	1.04E-04	1.88E-04
1316	564220.54	4191539.11	2.59E-03	9.96E-04	4.15E-04	1.56E-04	2.45E-04	1.12E-04	2.03E-04
1317	564212.48	4191534.18	2.59E-03	9.97E-04	4.16E-04	1.56E-04	2.45E-04	1.12E-04	2.03E-04
1318	564204.42	4191529.24	2.57E-03	9.90E-04	4.13E-04	1.55E-04	2.43E-04	1.11E-04	2.02E-04
1319	564196.36	4191524.31	2.53E-03	9.74E-04	4.06E-04	1.53E-04	2.40E-04	1.09E-04	1.99E-04
1320	564188.3	4191519.37	2.47E-03	9.51E-04	3.96E-04	1.49E-04	2.34E-04	1.07E-04	1.94E-04
1321	564180.24	4191514.44	2.39E-03	9.20E-04	3.84E-04	1.44E-04	2.26E-04	1.03E-04	1.88E-04
1322	564156.06	4191499.63	2.07E-03	7.97E-04	3.32E-04	1.25E-04	1.96E-04	8.94E-05	1.62E-04
1323	564147.99	4191494.7	1.95E-03	7.49E-04	3.12E-04	1.17E-04	1.84E-04	8.41E-05	1.53E-04
1324	564139.93	4191489.76	1.82E-03	7.02E-04	2.93E-04	1.10E-04	1.73E-04	7.87E-05	1.43E-04
1325	564129.74	4191475.62	1.67E-03	6.42E-04	2.68E-04	1.01E-04	1.58E-04	7.20E-05	1.31E-04
1326	564127.61	4191466.41	1.63E-03	6.26E-04	2.61E-04	9.81E-05	1.54E-04	7.02E-05	1.28E-04
1327	564125.48	4191457.2	1.58E-03	6.08E-04	2.53E-04	9.52E-05	1.50E-04	6.82E-05	1.24E-04
1328	564123.35	4191448	1.53E-03	5.87E-04	2.45E-04	9.20E-05	1.44E-04	6.59E-05	1.20E-04
1329	564121.22	4191438.79	1.47E-03	5.64E-04	2.35E-04	8.84E-05	1.39E-04	6.33E-05	1.15E-04
1330	564119.09	4191429.58	1.40E-03	5.39E-04	2.25E-04	8.45E-05	1.33E-04	6.05E-05	1.10E-04
1331	564116.96	4191420.37	1.33E-03	5.13E-04	2.14E-04	8.03E-05	1.26E-04	5.75E-05	1.05E-04
1332	564114.83	4191411.16	1.26E-03	4.85E-04	2.02E-04	7.59E-05	1.19E-04	5.44E-05	9.88E-05
1333	564112.69	4191401.96	1.18E-03	4.55E-04	1.90E-04	7.13E-05	1.12E-04	5.11E-05	9.28E-05
1334	564110.56	4191392.75	1.10E-03	4.25E-04	1.77E-04	6.66E-05	1.05E-04	4.77E-05	8.66E-05
1335	564108.43	4191383.54	1.03E-03	3.95E-04	1.65E-04	6.19E-05	9.72E-05	4.43E-05	8.06E-05
1336	564106.3	4191374.33	9.52E-04	3.66E-04	1.53E-04	5.74E-05	9.02E-05	4.11E-05	7.47E-05
1337	564104.17	4191365.13	8.83E-04	3.40E-04	1.42E-04	5.32E-05	8.36E-05	3.81E-05	6.93E-05
1338	564102.04	4191355.92	8.18E-04	3.15E-04	1.31E-04	4.93E-05	7.75E-05	3.53E-05	6.42E-05
1339	564099.91	4191346.71	7.60E-04	2.92E-04	1.22E-04	4.58E-05	7.19E-05	3.28E-05	5.96E-05
1340	564097.78	4191337.5	7.09E-04	2.73E-04	1.14E-04	4.27E-05	6.71E-05	3.06E-05	5.56E-05
1341	564095.65	4191328.29	6.65E-04	2.56E-04	1.07E-04	4.01E-05	6.30E-05	2.87E-05	5.22E-05
1342	564276.96	4191573.66	2.15E-03	8.29E-04	3.46E-04	1.30E-04	2.04E-04	9.30E-05	1.69E-04
1343	564286.82	4191575.17	2.13E-03	8.19E-04	3.41E-04	1.28E-04	2.01E-04	9.18E-05	1.67E-04
1344	564296.67	4191576.69	2.10E-03	8.07E-04	3.36E-04	1.26E-04	1.98E-04	9.05E-05	1.64E-04
1345	564306.52	4191578.2	2.06E-03	7.94E-04	3.31E-04	1.24E-04	1.95E-04	8.91E-05	1.62E-04
1346	564267.02	4191578.38	2.07E-03	7.96E-04	3.32E-04	1.25E-04	1.96E-04	8.93E-05	1.62E-04
1347	564258.59	4191573.23	2.15E-03	8.26E-04	3.44E-04	1.29E-04	2.03E-04	9.27E-05	1.68E-04
1348	564250.16	4191568.07	2.22E-03	8.55E-04	3.56E-04	1.34E-04	2.10E-04	9.59E-05	1.74E-04

1349	564241.74	4191562.91	2.29E-03	8.80E-04	3.67E-04	1.38E-04	2.17E-04	9.87E-05	1.79E-04
1350	564233.31	4191557.75	2.34E-03	9.01E-04	3.76E-04	1.41E-04	2.22E-04	1.01E-04	1.84E-04
1351	564191.18	4191531.95	2.36E-03	9.06E-04	3.78E-04	1.42E-04	2.23E-04	1.02E-04	1.85E-04
1352	564182.75	4191526.79	2.30E-03	8.85E-04	3.69E-04	1.39E-04	2.18E-04	9.93E-05	1.80E-04
1353	564157.47	4191511.31	2.04E-03	7.84E-04	3.27E-04	1.23E-04	1.93E-04	8.80E-05	1.60E-04
1354	564149.04	4191506.15	1.93E-03	7.42E-04	3.09E-04	1.16E-04	1.83E-04	8.32E-05	1.51E-04
1355	564140.61	4191500.99	1.81E-03	6.98E-04	2.91E-04	1.09E-04	1.72E-04	7.83E-05	1.42E-04
1356	564132.19	4191495.83	1.70E-03	6.53E-04	2.72E-04	1.02E-04	1.61E-04	7.33E-05	1.33E-04
1357	564121.53	4191481.05	1.55E-03	5.97E-04	2.49E-04	9.35E-05	1.47E-04	6.70E-05	1.22E-04
1358	564119.3	4191471.42	1.51E-03	5.82E-04	2.43E-04	9.11E-05	1.43E-04	6.52E-05	1.19E-04
1359	564117.08	4191461.8	1.47E-03	5.64E-04	2.35E-04	8.84E-05	1.39E-04	6.33E-05	1.15E-04
1360	564114.85	4191452.17	1.42E-03	5.45E-04	2.27E-04	8.53E-05	1.34E-04	6.11E-05	1.11E-04
1361	564112.62	4191442.54	1.36E-03	5.23E-04	2.18E-04	8.20E-05	1.29E-04	5.87E-05	1.07E-04
1362	564110.39	4191432.92	1.30E-03	5.00E-04	2.09E-04	7.84E-05	1.23E-04	5.61E-05	1.02E-04
1363	564108.17	4191423.29	1.24E-03	4.76E-04	1.98E-04	7.45E-05	1.17E-04	5.34E-05	9.70E-05
1364	564105.94	4191413.66	1.17E-03	4.49E-04	1.87E-04	7.04E-05	1.11E-04	5.04E-05	9.16E-05
1365	564103.71	4191404.04	1.10E-03	4.22E-04	1.76E-04	6.61E-05	1.04E-04	4.73E-05	8.60E-05
1366	564101.48	4191394.41	1.02E-03	3.94E-04	1.64E-04	6.17E-05	9.68E-05	4.42E-05	8.02E-05
1367	564099.25	4191384.78	9.51E-04	3.66E-04	1.53E-04	5.73E-05	9.00E-05	4.10E-05	7.46E-05
1368	564097.03	4191375.16	8.82E-04	3.39E-04	1.41E-04	5.31E-05	8.35E-05	3.81E-05	6.92E-05
1369	564094.8	4191365.53	8.16E-04	3.14E-04	1.31E-04	4.92E-05	7.72E-05	3.52E-05	6.40E-05
1370	564092.57	4191355.9	7.55E-04	2.91E-04	1.21E-04	4.55E-05	7.15E-05	3.26E-05	5.92E-05
1371	564090.34	4191346.28	7.00E-04	2.69E-04	1.12E-04	4.22E-05	6.63E-05	3.02E-05	5.49E-05
1372	564088.11	4191336.65	6.53E-04	2.51E-04	1.05E-04	3.94E-05	6.18E-05	2.82E-05	5.12E-05
1373	564085.89	4191327.02	6.12E-04	2.36E-04	9.82E-05	3.69E-05	5.80E-05	2.64E-05	4.80E-05
1374	564275.44	4191583.54	1.99E-03	7.65E-04	3.19E-04	1.20E-04	1.88E-04	8.58E-05	1.56E-04
1375	564285.3	4191585.06	1.96E-03	7.55E-04	3.15E-04	1.18E-04	1.86E-04	8.47E-05	1.54E-04
1376	564295.15	4191586.57	1.93E-03	7.44E-04	3.10E-04	1.17E-04	1.83E-04	8.35E-05	1.52E-04
1377	564305	4191588.08	1.91E-03	7.33E-04	3.06E-04	1.15E-04	1.80E-04	8.22E-05	1.49E-04
1378	564265.6	4191588.33	1.91E-03	7.37E-04	3.07E-04	1.15E-04	1.81E-04	8.26E-05	1.50E-04
1379	564257.27	4191583.23	1.98E-03	7.64E-04	3.18E-04	1.20E-04	1.88E-04	8.57E-05	1.56E-04
1380	564248.94	4191578.13	2.05E-03	7.90E-04	3.29E-04	1.24E-04	1.94E-04	8.86E-05	1.61E-04
1381	564240.6	4191573.03	2.11E-03	8.13E-04	3.39E-04	1.27E-04	2.00E-04	9.12E-05	1.66E-04
1382	564232.27	4191567.93	2.16E-03	8.33E-04	3.47E-04	1.30E-04	2.05E-04	9.34E-05	1.70E-04
1383	564223.94	4191562.83	2.20E-03	8.48E-04	3.54E-04	1.33E-04	2.09E-04	9.52E-05	1.73E-04
1384	564215.61	4191557.73	2.23E-03	8.59E-04	3.58E-04	1.35E-04	2.11E-04	9.63E-05	1.75E-04
1385	564207.28	4191552.63	2.24E-03	8.63E-04	3.60E-04	1.35E-04	2.12E-04	9.68E-05	1.76E-04
1386	564157.3	4191522.02	1.97E-03	7.60E-04	3.17E-04	1.19E-04	1.87E-04	8.52E-05	1.55E-04
1387	564148.97	4191516.92	1.88E-03	7.25E-04	3.02E-04	1.14E-04	1.78E-04	8.13E-05	1.48E-04
1388	564140.64	4191511.82	1.78E-03	6.87E-04	2.86E-04	1.08E-04	1.69E-04	7.70E-05	1.40E-04
1389	564132.31	4191506.72	1.68E-03	6.47E-04	2.70E-04	1.01E-04	1.59E-04	7.26E-05	1.32E-04
1390	564123.98	4191501.62	1.58E-03	6.08E-04	2.53E-04	9.52E-05	1.50E-04	6.82E-05	1.24E-04
1391	564113.45	4191487	1.45E-03	5.58E-04	2.33E-04	8.74E-05	1.37E-04	6.26E-05	1.14E-04
1392	564111.24	4191477.49	1.41E-03	5.44E-04	2.27E-04	8.52E-05	1.34E-04	6.10E-05	1.11E-04
1393	564109.04	4191467.97	1.37E-03	5.28E-04	2.20E-04	8.28E-05	1.30E-04	5.93E-05	1.08E-04
1394	564106.84	4191458.46	1.33E-03	5.12E-04	2.13E-04	8.02E-05	1.26E-04	5.74E-05	1.04E-04
1395	564104.64	4191448.94	1.28E-03	4.93E-04	2.06E-04	7.73E-05	1.21E-04	5.53E-05	1.01E-04
1396	564102.43	4191439.42	1.23E-03	4.73E-04	1.97E-04	7.42E-05	1.16E-04	5.31E-05	9.65E-05
1397	564100.23	4191429.91	1.17E-03	4.52E-04	1.88E-04	7.08E-05	1.11E-04	5.07E-05	9.21E-05
1398	564098.03	4191420.39	1.11E-03	4.29E-04	1.79E-04	6.71E-05	1.05E-04	4.81E-05	8.74E-05
1399	564095.83	4191410.87	1.05E-03	4.04E-04	1.69E-04	6.33E-05	9.94E-05	4.53E-05	8.24E-05
1400	564093.62	4191401.36	9.86E-04	3.79E-04	1.58E-04	5.94E-05	9.33E-05	4.26E-05	7.73E-05

1401	564091.42	4191391.84	9.22E-04	3.55E-04	1.48E-04	5.56E-05	8.73E-05	3.98E-05	7.23E-05
1402	564089.22	4191382.32	8.59E-04	3.31E-04	1.38E-04	5.18E-05	8.13E-05	3.71E-05	6.74E-05
1403	564087.02	4191372.81	7.99E-04	3.07E-04	1.28E-04	4.81E-05	7.56E-05	3.45E-05	6.27E-05
1404	564084.81	4191363.29	7.41E-04	2.85E-04	1.19E-04	4.47E-05	7.01E-05	3.20E-05	5.81E-05
1405	564082.61	4191353.78	6.87E-04	2.65E-04	1.10E-04	4.14E-05	6.51E-05	2.97E-05	5.39E-05
1406	564080.41	4191344.26	6.40E-04	2.46E-04	1.03E-04	3.86E-05	6.06E-05	2.76E-05	5.02E-05
1407	564078.21	4191334.74	6.00E-04	2.31E-04	9.62E-05	3.62E-05	5.68E-05	2.59E-05	4.71E-05
1408	564076	4191325.23	5.65E-04	2.17E-04	9.07E-05	3.41E-05	5.35E-05	2.44E-05	4.43E-05
1409	564273.93	4191593.43	1.84E-03	7.09E-04	2.96E-04	1.11E-04	1.74E-04	7.95E-05	1.45E-04
1410	564283.78	4191594.94	1.82E-03	7.00E-04	2.92E-04	1.10E-04	1.72E-04	7.85E-05	1.43E-04
1411	564293.63	4191596.46	1.79E-03	6.90E-04	2.87E-04	1.08E-04	1.70E-04	7.74E-05	1.41E-04
1412	564303.49	4191597.97	1.77E-03	6.80E-04	2.83E-04	1.06E-04	1.67E-04	7.63E-05	1.39E-04
1413	564264.16	4191598.27	1.78E-03	6.84E-04	2.85E-04	1.07E-04	1.68E-04	7.67E-05	1.39E-04
1414	564255.92	4191593.22	1.84E-03	7.08E-04	2.95E-04	1.11E-04	1.74E-04	7.94E-05	1.44E-04
1415	564247.68	4191588.17	1.90E-03	7.32E-04	3.05E-04	1.15E-04	1.80E-04	8.21E-05	1.49E-04
1416	564239.43	4191583.12	1.96E-03	7.53E-04	3.14E-04	1.18E-04	1.85E-04	8.45E-05	1.54E-04
1417	564231.19	4191578.08	2.01E-03	7.72E-04	3.22E-04	1.21E-04	1.90E-04	8.66E-05	1.57E-04
1418	564222.95	4191573.03	2.05E-03	7.87E-04	3.28E-04	1.23E-04	1.94E-04	8.83E-05	1.61E-04
1419	564214.7	4191567.98	2.08E-03	7.99E-04	3.33E-04	1.25E-04	1.97E-04	8.96E-05	1.63E-04
1420	564206.46	4191562.93	2.09E-03	8.05E-04	3.36E-04	1.26E-04	1.98E-04	9.03E-05	1.64E-04
1421	564198.22	4191557.89	2.10E-03	8.07E-04	3.36E-04	1.26E-04	1.98E-04	9.05E-05	1.64E-04
1422	564189.97	4191552.84	2.09E-03	8.03E-04	3.35E-04	1.26E-04	1.97E-04	9.00E-05	1.64E-04
1423	564181.73	4191547.79	2.06E-03	7.93E-04	3.31E-04	1.24E-04	1.95E-04	8.90E-05	1.62E-04
1424	564148.75	4191527.6	1.83E-03	7.04E-04	2.93E-04	1.10E-04	1.73E-04	7.89E-05	1.43E-04
1425	564140.51	4191522.56	1.75E-03	6.72E-04	2.80E-04	1.05E-04	1.65E-04	7.54E-05	1.37E-04
1426	564132.27	4191517.51	1.66E-03	6.38E-04	2.66E-04	9.99E-05	1.57E-04	7.15E-05	1.30E-04
1427	564124.02	4191512.46	1.57E-03	6.02E-04	2.51E-04	9.43E-05	1.48E-04	6.76E-05	1.23E-04
1428	564115.78	4191507.41	1.47E-03	5.67E-04	2.36E-04	8.88E-05	1.39E-04	6.36E-05	1.16E-04
1429	564105.36	4191492.95	1.36E-03	5.22E-04	2.18E-04	8.18E-05	1.28E-04	5.86E-05	1.06E-04
1430	564103.18	4191483.53	1.33E-03	5.10E-04	2.13E-04	7.99E-05	1.26E-04	5.72E-05	1.04E-04
1431	564101	4191474.12	1.29E-03	4.97E-04	2.07E-04	7.78E-05	1.22E-04	5.57E-05	1.01E-04
1432	564098.82	4191464.7	1.25E-03	4.82E-04	2.01E-04	7.55E-05	1.18E-04	5.40E-05	9.82E-05
1433	564096.64	4191455.28	1.21E-03	4.66E-04	1.94E-04	7.29E-05	1.15E-04	5.22E-05	9.49E-05
1434	564094.46	4191445.86	1.16E-03	4.48E-04	1.87E-04	7.02E-05	1.10E-04	5.03E-05	9.14E-05
1435	564092.28	4191436.45	1.12E-03	4.29E-04	1.79E-04	6.73E-05	1.06E-04	4.82E-05	8.76E-05
1436	564090.1	4191427.03	1.06E-03	4.09E-04	1.71E-04	6.41E-05	1.01E-04	4.59E-05	8.34E-05
1437	564087.92	4191417.61	1.01E-03	3.87E-04	1.62E-04	6.07E-05	9.53E-05	4.35E-05	7.90E-05
1438	564085.74	4191408.2	9.49E-04	3.65E-04	1.52E-04	5.72E-05	8.98E-05	4.09E-05	7.44E-05
1439	564083.56	4191398.78	8.91E-04	3.43E-04	1.43E-04	5.37E-05	8.44E-05	3.85E-05	6.99E-05
1440	564081.38	4191389.36	8.35E-04	3.21E-04	1.34E-04	5.03E-05	7.90E-05	3.60E-05	6.55E-05
1441	564079.2	4191379.94	7.80E-04	3.00E-04	1.25E-04	4.70E-05	7.38E-05	3.37E-05	6.12E-05
1442	564077.02	4191370.53	7.26E-04	2.79E-04	1.16E-04	4.38E-05	6.87E-05	3.13E-05	5.70E-05
1443	564074.84	4191361.11	6.76E-04	2.60E-04	1.08E-04	4.07E-05	6.40E-05	2.92E-05	5.30E-05
1444	564072.66	4191351.69	6.30E-04	2.42E-04	1.01E-04	3.80E-05	5.96E-05	2.72E-05	4.94E-05
1445	564070.48	4191342.27	5.89E-04	2.27E-04	9.45E-05	3.55E-05	5.58E-05	2.54E-05	4.62E-05
1446	564068.3	4191332.86	5.54E-04	2.13E-04	8.89E-05	3.34E-05	5.24E-05	2.39E-05	4.35E-05
1447	564066.12	4191323.44	5.24E-04	2.01E-04	8.40E-05	3.16E-05	4.96E-05	2.26E-05	4.11E-05
1448	564272.41	4191603.31	1.71E-03	6.59E-04	2.75E-04	1.03E-04	1.62E-04	7.39E-05	1.34E-04
1449	564282.26	4191604.83	1.69E-03	6.51E-04	2.71E-04	1.02E-04	1.60E-04	7.30E-05	1.33E-04
1450	564292.12	4191606.34	1.67E-03	6.41E-04	2.67E-04	1.00E-04	1.58E-04	7.19E-05	1.31E-04
1451	564301.97	4191607.85	1.64E-03	6.32E-04	2.64E-04	9.90E-05	1.56E-04	7.09E-05	1.29E-04
1452	564262.73	4191608.2	1.65E-03	6.36E-04	2.65E-04	9.97E-05	1.57E-04	7.14E-05	1.30E-04

1453	564254.56	4191603.2	1.71E-03	6.59E-04	2.75E-04	1.03E-04	1.62E-04	7.39E-05	1.34E-04
1454	564246.39	4191598.2	1.77E-03	6.80E-04	2.83E-04	1.07E-04	1.67E-04	7.63E-05	1.39E-04
1455	564238.23	4191593.2	1.82E-03	7.00E-04	2.92E-04	1.10E-04	1.72E-04	7.85E-05	1.43E-04
1456	564230.06	4191588.2	1.86E-03	7.18E-04	2.99E-04	1.12E-04	1.77E-04	8.05E-05	1.46E-04
1457	564221.9	4191583.2	1.90E-03	7.32E-04	3.05E-04	1.15E-04	1.80E-04	8.22E-05	1.49E-04
1458	564213.73	4191578.2	1.93E-03	7.44E-04	3.10E-04	1.17E-04	1.83E-04	8.35E-05	1.52E-04
1459	564205.57	4191573.2	1.96E-03	7.52E-04	3.14E-04	1.18E-04	1.85E-04	8.44E-05	1.53E-04
1460	564197.4	4191568.2	1.96E-03	7.56E-04	3.15E-04	1.18E-04	1.86E-04	8.48E-05	1.54E-04
1461	564189.24	4191563.2	1.96E-03	7.55E-04	3.15E-04	1.18E-04	1.86E-04	8.47E-05	1.54E-04
1462	564181.07	4191558.21	1.95E-03	7.49E-04	3.12E-04	1.17E-04	1.84E-04	8.40E-05	1.53E-04
1463	564123.92	4191523.21	1.54E-03	5.93E-04	2.47E-04	9.30E-05	1.46E-04	6.66E-05	1.21E-04
1464	564115.75	4191518.21	1.46E-03	5.62E-04	2.34E-04	8.80E-05	1.38E-04	6.30E-05	1.15E-04
1465	564107.59	4191513.21	1.38E-03	5.30E-04	2.21E-04	8.30E-05	1.30E-04	5.95E-05	1.08E-04
1466	564097.26	4191498.89	1.27E-03	4.90E-04	2.04E-04	7.67E-05	1.20E-04	5.49E-05	9.99E-05
1467	564095.1	4191489.56	1.25E-03	4.79E-04	2.00E-04	7.51E-05	1.18E-04	5.38E-05	9.77E-05
1468	564092.95	4191480.23	1.21E-03	4.67E-04	1.95E-04	7.32E-05	1.15E-04	5.24E-05	9.53E-05
1469	564090.79	4191470.9	1.18E-03	4.54E-04	1.89E-04	7.12E-05	1.12E-04	5.10E-05	9.26E-05
1470	564088.63	4191461.58	1.14E-03	4.40E-04	1.83E-04	6.89E-05	1.08E-04	4.94E-05	8.97E-05
1471	564086.47	4191452.25	1.10E-03	4.25E-04	1.77E-04	6.65E-05	1.04E-04	4.76E-05	8.66E-05
1472	564084.31	4191442.92	1.06E-03	4.08E-04	1.70E-04	6.40E-05	1.00E-04	4.58E-05	8.32E-05
1473	564082.15	4191433.59	1.01E-03	3.90E-04	1.63E-04	6.12E-05	9.61E-05	4.38E-05	7.96E-05
1474	564079.99	4191424.27	9.65E-04	3.71E-04	1.55E-04	5.82E-05	9.14E-05	4.17E-05	7.57E-05
1475	564077.83	4191414.94	9.14E-04	3.52E-04	1.47E-04	5.51E-05	8.65E-05	3.94E-05	7.17E-05
1476	564075.68	4191405.61	8.62E-04	3.32E-04	1.38E-04	5.19E-05	8.16E-05	3.72E-05	6.76E-05
1477	564073.52	4191396.28	8.10E-04	3.12E-04	1.30E-04	4.88E-05	7.67E-05	3.50E-05	6.36E-05
1478	564071.36	4191386.96	7.59E-04	2.92E-04	1.22E-04	4.58E-05	7.19E-05	3.28E-05	5.96E-05
1479	564069.2	4191377.63	7.10E-04	2.73E-04	1.14E-04	4.28E-05	6.72E-05	3.06E-05	5.57E-05
1480	564067.04	4191368.3	6.63E-04	2.55E-04	1.06E-04	4.00E-05	6.27E-05	2.86E-05	5.20E-05
1481	564064.88	4191358.97	6.19E-04	2.38E-04	9.93E-05	3.73E-05	5.86E-05	2.67E-05	4.86E-05
1482	564062.72	4191349.65	5.79E-04	2.23E-04	9.29E-05	3.49E-05	5.48E-05	2.50E-05	4.55E-05
1483	564060.56	4191340.32	5.44E-04	2.09E-04	8.73E-05	3.28E-05	5.15E-05	2.35E-05	4.27E-05
1484	564058.41	4191330.99	5.13E-04	1.97E-04	8.23E-05	3.09E-05	4.86E-05	2.22E-05	4.03E-05
1485	564056.25	4191321.66	4.87E-04	1.87E-04	7.81E-05	2.93E-05	4.61E-05	2.10E-05	3.82E-05
1486	564270.89	4191613.2	1.60E-03	6.14E-04	2.56E-04	9.62E-05	1.51E-04	6.89E-05	1.25E-04
1487	564280.74	4191614.71	1.58E-03	6.06E-04	2.53E-04	9.50E-05	1.49E-04	6.80E-05	1.24E-04
1488	564290.6	4191616.22	1.55E-03	5.98E-04	2.49E-04	9.37E-05	1.47E-04	6.71E-05	1.22E-04
1489	564300.45	4191617.74	1.53E-03	5.90E-04	2.46E-04	9.24E-05	1.45E-04	6.61E-05	1.20E-04
1490	564260.89	4191617.89	1.55E-03	5.95E-04	2.48E-04	9.32E-05	1.46E-04	6.67E-05	1.21E-04
1491	564252.41	4191612.7	1.60E-03	6.16E-04	2.57E-04	9.65E-05	1.52E-04	6.91E-05	1.26E-04
1492	564243.93	4191607.51	1.65E-03	6.36E-04	2.65E-04	9.97E-05	1.57E-04	7.14E-05	1.30E-04
1493	564235.46	4191602.31	1.70E-03	6.55E-04	2.73E-04	1.03E-04	1.61E-04	7.35E-05	1.34E-04
1494	564226.98	4191597.12	1.75E-03	6.72E-04	2.80E-04	1.05E-04	1.65E-04	7.54E-05	1.37E-04
1495	564218.5	4191591.93	1.78E-03	6.86E-04	2.86E-04	1.08E-04	1.69E-04	7.70E-05	1.40E-04
1496	564210.02	4191586.74	1.81E-03	6.98E-04	2.91E-04	1.09E-04	1.72E-04	7.83E-05	1.42E-04
1497	564201.54	4191581.55	1.83E-03	7.06E-04	2.94E-04	1.11E-04	1.74E-04	7.92E-05	1.44E-04
1498	564193.06	4191576.36	1.84E-03	7.10E-04	2.96E-04	1.11E-04	1.75E-04	7.96E-05	1.45E-04
1499	564184.58	4191571.17	1.84E-03	7.09E-04	2.96E-04	1.11E-04	1.74E-04	7.95E-05	1.45E-04
1500	564176.1	4191565.97	1.83E-03	7.04E-04	2.94E-04	1.10E-04	1.73E-04	7.90E-05	1.44E-04
1501	564150.66	4191550.4	1.72E-03	6.61E-04	2.76E-04	1.04E-04	1.63E-04	7.42E-05	1.35E-04
1502	564099.79	4191519.25	1.30E-03	4.98E-04	2.08E-04	7.81E-05	1.23E-04	5.59E-05	1.02E-04
1503	564089.07	4191504.37	1.20E-03	4.60E-04	1.92E-04	7.21E-05	1.13E-04	5.16E-05	9.38E-05
1504	564086.83	4191494.69	1.17E-03	4.50E-04	1.88E-04	7.05E-05	1.11E-04	5.05E-05	9.17E-05

1505	564084.58	4191485	1.14E-03	4.39E-04	1.83E-04	6.87E-05	1.08E-04	4.92E-05	8.95E-05
1506	564082.34	4191475.31	1.11E-03	4.27E-04	1.78E-04	6.68E-05	1.05E-04	4.79E-05	8.70E-05
1507	564080.1	4191465.63	1.07E-03	4.13E-04	1.72E-04	6.47E-05	1.02E-04	4.63E-05	8.42E-05
1508	564077.86	4191455.94	1.04E-03	3.98E-04	1.66E-04	6.24E-05	9.80E-05	4.47E-05	8.12E-05
1509	564075.62	4191446.26	9.95E-04	3.83E-04	1.60E-04	6.00E-05	9.42E-05	4.29E-05	7.81E-05
1510	564073.37	4191436.57	9.52E-04	3.66E-04	1.53E-04	5.74E-05	9.01E-05	4.11E-05	7.47E-05
1511	564071.13	4191426.88	9.05E-04	3.48E-04	1.45E-04	5.46E-05	8.57E-05	3.91E-05	7.10E-05
1512	564068.89	4191417.2	8.57E-04	3.30E-04	1.37E-04	5.17E-05	8.11E-05	3.70E-05	6.72E-05
1513	564066.65	4191407.51	8.08E-04	3.11E-04	1.30E-04	4.87E-05	7.65E-05	3.49E-05	6.34E-05
1514	564064.41	4191397.82	7.59E-04	2.92E-04	1.22E-04	4.58E-05	7.19E-05	3.28E-05	5.96E-05
1515	564062.17	4191388.14	7.11E-04	2.73E-04	1.14E-04	4.28E-05	6.73E-05	3.07E-05	5.58E-05
1516	564059.92	4191378.45	6.63E-04	2.55E-04	1.06E-04	4.00E-05	6.28E-05	2.86E-05	5.21E-05
1517	564057.68	4191368.77	6.19E-04	2.38E-04	9.94E-05	3.73E-05	5.86E-05	2.67E-05	4.86E-05
1518	564055.44	4191359.08	5.79E-04	2.23E-04	9.28E-05	3.49E-05	5.48E-05	2.50E-05	4.54E-05
1519	564053.2	4191349.39	5.42E-04	2.08E-04	8.69E-05	3.26E-05	5.13E-05	2.34E-05	4.25E-05
1520	564050.96	4191339.71	5.08E-04	1.96E-04	8.15E-05	3.06E-05	4.81E-05	2.19E-05	3.99E-05
1521	564048.72	4191330.02	4.79E-04	1.84E-04	7.68E-05	2.89E-05	4.53E-05	2.07E-05	3.76E-05
1522	564046.47	4191320.33	4.54E-04	1.75E-04	7.28E-05	2.74E-05	4.30E-05	1.96E-05	3.56E-05
1523	564269.37	4191623.08	1.49E-03	5.74E-04	2.39E-04	8.99E-05	1.41E-04	6.44E-05	1.17E-04
1524	564279.23	4191624.59	1.47E-03	5.67E-04	2.36E-04	8.88E-05	1.39E-04	6.36E-05	1.16E-04
1525	564289.08	4191626.11	1.45E-03	5.59E-04	2.33E-04	8.75E-05	1.37E-04	6.27E-05	1.14E-04
1526	564298.93	4191627.62	1.43E-03	5.51E-04	2.30E-04	8.63E-05	1.36E-04	6.18E-05	1.12E-04
1527	564259.46	4191627.83	1.45E-03	5.56E-04	2.32E-04	8.72E-05	1.37E-04	6.24E-05	1.13E-04
1528	564251.07	4191622.69	1.50E-03	5.75E-04	2.40E-04	9.01E-05	1.42E-04	6.45E-05	1.17E-04
1529	564242.67	4191617.55	1.54E-03	5.94E-04	2.48E-04	9.31E-05	1.46E-04	6.66E-05	1.21E-04
1530	564234.28	4191612.41	1.59E-03	6.12E-04	2.55E-04	9.58E-05	1.50E-04	6.86E-05	1.25E-04
1531	564225.89	4191607.27	1.63E-03	6.27E-04	2.62E-04	9.83E-05	1.54E-04	7.04E-05	1.28E-04
1532	564217.49	4191602.13	1.67E-03	6.41E-04	2.67E-04	1.00E-04	1.58E-04	7.19E-05	1.31E-04
1533	564209.1	4191596.99	1.70E-03	6.53E-04	2.72E-04	1.02E-04	1.61E-04	7.32E-05	1.33E-04
1534	564200.71	4191591.85	1.72E-03	6.61E-04	2.76E-04	1.04E-04	1.63E-04	7.42E-05	1.35E-04
1535	564192.31	4191586.71	1.73E-03	6.67E-04	2.78E-04	1.04E-04	1.64E-04	7.48E-05	1.36E-04
1536	564183.92	4191581.57	1.74E-03	6.68E-04	2.79E-04	1.05E-04	1.64E-04	7.49E-05	1.36E-04
1537	564175.52	4191576.44	1.73E-03	6.66E-04	2.78E-04	1.04E-04	1.64E-04	7.47E-05	1.36E-04
1538	564150.34	4191561.02	1.65E-03	6.35E-04	2.65E-04	9.94E-05	1.56E-04	7.12E-05	1.29E-04
1539	564141.95	4191555.88	1.60E-03	6.17E-04	2.57E-04	9.66E-05	1.52E-04	6.92E-05	1.26E-04
1540	564133.56	4191550.74	1.55E-03	5.96E-04	2.49E-04	9.34E-05	1.47E-04	6.69E-05	1.22E-04
1541	564125.16	4191545.6	1.49E-03	5.73E-04	2.39E-04	8.98E-05	1.41E-04	6.43E-05	1.17E-04
1542	564080.98	4191510.32	1.13E-03	4.34E-04	1.81E-04	6.80E-05	1.07E-04	4.87E-05	8.85E-05
1543	564078.76	4191500.73	1.10E-03	4.25E-04	1.77E-04	6.65E-05	1.04E-04	4.76E-05	8.66E-05
1544	564076.54	4191491.14	1.08E-03	4.15E-04	1.73E-04	6.50E-05	1.02E-04	4.65E-05	8.45E-05
1545	564074.32	4191481.55	1.05E-03	4.04E-04	1.68E-04	6.32E-05	9.93E-05	4.53E-05	8.23E-05
1546	564072.1	4191471.96	1.02E-03	3.91E-04	1.63E-04	6.13E-05	9.63E-05	4.39E-05	7.98E-05
1547	564069.88	4191462.38	9.83E-04	3.78E-04	1.58E-04	5.93E-05	9.31E-05	4.24E-05	7.71E-05
1548	564067.66	4191452.79	9.47E-04	3.64E-04	1.52E-04	5.71E-05	8.97E-05	4.09E-05	7.43E-05
1549	564065.44	4191443.2	9.09E-04	3.50E-04	1.46E-04	5.48E-05	8.61E-05	3.92E-05	7.13E-05
1550	564063.22	4191433.61	8.69E-04	3.34E-04	1.39E-04	5.24E-05	8.22E-05	3.75E-05	6.81E-05
1551	564061	4191424.02	8.26E-04	3.18E-04	1.33E-04	4.98E-05	7.82E-05	3.57E-05	6.48E-05
1552	564058.79	4191414.43	7.83E-04	3.01E-04	1.26E-04	4.72E-05	7.41E-05	3.38E-05	6.14E-05
1553	564056.57	4191404.84	7.39E-04	2.84E-04	1.19E-04	4.45E-05	6.99E-05	3.19E-05	5.80E-05
1554	564054.35	4191395.26	6.94E-04	2.67E-04	1.11E-04	4.18E-05	6.57E-05	3.00E-05	5.45E-05
1555	564052.13	4191385.67	6.50E-04	2.50E-04	1.04E-04	3.92E-05	6.16E-05	2.81E-05	5.10E-05
1556	564049.91	4191376.08	6.08E-04	2.34E-04	9.76E-05	3.67E-05	5.76E-05	2.63E-05	4.77E-05

1557	564047.69	4191366.49	5.70E-04	2.19E-04	9.14E-05	3.43E-05	5.39E-05	2.46E-05	4.47E-05
1558	564045.47	4191356.9	5.34E-04	2.05E-04	8.56E-05	3.22E-05	5.05E-05	2.30E-05	4.19E-05
1559	564043.25	4191347.31	5.00E-04	1.93E-04	8.03E-05	3.02E-05	4.74E-05	2.16E-05	3.93E-05
1560	564041.03	4191337.73	4.71E-04	1.81E-04	7.56E-05	2.84E-05	4.46E-05	2.03E-05	3.70E-05
1561	564038.81	4191328.14	4.45E-04	1.71E-04	7.14E-05	2.68E-05	4.21E-05	1.92E-05	3.49E-05
1562	564036.59	4191318.55	4.23E-04	1.63E-04	6.78E-05	2.55E-05	4.00E-05	1.83E-05	3.32E-05
1563	564267.85	4191632.96	1.40E-03	5.37E-04	2.24E-04	8.42E-05	1.32E-04	6.03E-05	1.10E-04
1564	564277.71	4191634.48	1.38E-03	5.31E-04	2.21E-04	8.31E-05	1.31E-04	5.95E-05	1.08E-04
1565	564287.56	4191635.99	1.36E-03	5.24E-04	2.18E-04	8.20E-05	1.29E-04	5.87E-05	1.07E-04
1566	564297.41	4191637.5	1.34E-03	5.16E-04	2.15E-04	8.09E-05	1.27E-04	5.79E-05	1.05E-04
1567	564258.02	4191637.76	1.36E-03	5.21E-04	2.17E-04	8.17E-05	1.28E-04	5.85E-05	1.06E-04
1568	564249.71	4191632.67	1.40E-03	5.38E-04	2.24E-04	8.43E-05	1.32E-04	6.04E-05	1.10E-04
1569	564241.39	4191627.58	1.44E-03	5.55E-04	2.32E-04	8.70E-05	1.37E-04	6.23E-05	1.13E-04
1570	564233.07	4191622.48	1.49E-03	5.72E-04	2.38E-04	8.96E-05	1.41E-04	6.42E-05	1.17E-04
1571	564224.76	4191617.39	1.53E-03	5.87E-04	2.45E-04	9.19E-05	1.44E-04	6.58E-05	1.20E-04
1572	564216.44	4191612.3	1.56E-03	6.00E-04	2.50E-04	9.40E-05	1.48E-04	6.73E-05	1.22E-04
1573	564208.13	4191607.21	1.59E-03	6.11E-04	2.55E-04	9.58E-05	1.50E-04	6.86E-05	1.25E-04
1574	564199.81	4191602.12	1.61E-03	6.20E-04	2.59E-04	9.72E-05	1.53E-04	6.96E-05	1.26E-04
1575	564191.5	4191597.03	1.63E-03	6.27E-04	2.61E-04	9.82E-05	1.54E-04	7.03E-05	1.28E-04
1576	564183.18	4191591.94	1.64E-03	6.30E-04	2.62E-04	9.86E-05	1.55E-04	7.06E-05	1.28E-04
1577	564174.87	4191586.85	1.64E-03	6.29E-04	2.62E-04	9.86E-05	1.55E-04	7.06E-05	1.28E-04
1578	564149.92	4191571.57	1.58E-03	6.07E-04	2.53E-04	9.52E-05	1.49E-04	6.81E-05	1.24E-04
1579	564141.61	4191566.48	1.54E-03	5.94E-04	2.47E-04	9.30E-05	1.46E-04	6.66E-05	1.21E-04
1580	564133.29	4191561.39	1.50E-03	5.77E-04	2.40E-04	9.04E-05	1.42E-04	6.47E-05	1.18E-04
1581	564124.97	4191556.3	1.45E-03	5.57E-04	2.32E-04	8.73E-05	1.37E-04	6.25E-05	1.14E-04
1582	564116.66	4191551.21	1.39E-03	5.36E-04	2.23E-04	8.39E-05	1.32E-04	6.01E-05	1.09E-04
1583	564108.34	4191546.12	1.33E-03	5.13E-04	2.14E-04	8.04E-05	1.26E-04	5.76E-05	1.05E-04
1584	564100.03	4191541.03	1.27E-03	4.90E-04	2.04E-04	7.67E-05	1.20E-04	5.49E-05	9.98E-05
1585	564091.71	4191535.93	1.21E-03	4.65E-04	1.94E-04	7.29E-05	1.15E-04	5.22E-05	9.49E-05
1586	564072.88	4191516.25	1.06E-03	4.10E-04	1.71E-04	6.42E-05	1.01E-04	4.60E-05	8.35E-05
1587	564070.69	4191506.75	1.04E-03	4.02E-04	1.67E-04	6.29E-05	9.88E-05	4.51E-05	8.19E-05
1588	564068.49	4191497.25	1.02E-03	3.93E-04	1.64E-04	6.15E-05	9.66E-05	4.40E-05	8.00E-05
1589	564066.29	4191487.76	9.94E-04	3.83E-04	1.60E-04	5.99E-05	9.41E-05	4.29E-05	7.80E-05
1590	564064.09	4191478.26	9.66E-04	3.72E-04	1.55E-04	5.82E-05	9.14E-05	4.17E-05	7.58E-05
1591	564061.89	4191468.76	9.35E-04	3.60E-04	1.50E-04	5.64E-05	8.85E-05	4.04E-05	7.33E-05
1592	564059.69	4191459.26	9.03E-04	3.47E-04	1.45E-04	5.44E-05	8.54E-05	3.90E-05	7.08E-05
1593	564057.5	4191449.76	8.69E-04	3.34E-04	1.39E-04	5.24E-05	8.22E-05	3.75E-05	6.82E-05
1594	564055.3	4191440.26	8.33E-04	3.20E-04	1.34E-04	5.02E-05	7.88E-05	3.60E-05	6.53E-05
1595	564053.1	4191430.76	7.95E-04	3.06E-04	1.28E-04	4.80E-05	7.53E-05	3.43E-05	6.24E-05
1596	564050.9	4191421.26	7.57E-04	2.91E-04	1.21E-04	4.56E-05	7.16E-05	3.27E-05	5.94E-05
1597	564048.7	4191411.76	7.17E-04	2.76E-04	1.15E-04	4.32E-05	6.79E-05	3.10E-05	5.63E-05
1598	564046.5	4191402.26	6.77E-04	2.60E-04	1.09E-04	4.08E-05	6.41E-05	2.92E-05	5.31E-05
1599	564044.3	4191392.77	6.37E-04	2.45E-04	1.02E-04	3.84E-05	6.03E-05	2.75E-05	4.99E-05
1600	564042.11	4191383.27	5.98E-04	2.30E-04	9.59E-05	3.60E-05	5.66E-05	2.58E-05	4.69E-05
1601	564039.91	4191373.77	5.61E-04	2.16E-04	9.00E-05	3.38E-05	5.31E-05	2.42E-05	4.40E-05
1602	564037.71	4191364.27	5.26E-04	2.02E-04	8.44E-05	3.17E-05	4.98E-05	2.27E-05	4.13E-05
1603	564035.51	4191354.77	4.94E-04	1.90E-04	7.92E-05	2.98E-05	4.67E-05	2.13E-05	3.87E-05
1604	564033.31	4191345.27	4.64E-04	1.79E-04	7.44E-05	2.80E-05	4.39E-05	2.00E-05	3.64E-05
1605	564031.11	4191335.77	4.38E-04	1.68E-04	7.02E-05	2.64E-05	4.15E-05	1.89E-05	3.44E-05
1606	564028.92	4191326.27	4.15E-04	1.60E-04	6.66E-05	2.50E-05	3.93E-05	1.79E-05	3.26E-05
1607	564026.72	4191316.77	3.95E-04	1.52E-04	6.34E-05	2.38E-05	3.74E-05	1.71E-05	3.10E-05
1608	564266.34	4191642.85	1.31E-03	5.04E-04	2.10E-04	7.90E-05	1.24E-04	5.66E-05	1.03E-04

1609	564276.19	4191644.36	1.29E-03	4.98E-04	2.08E-04	7.81E-05	1.23E-04	5.59E-05	1.02E-04
1610	564286.04	4191645.88	1.28E-03	4.92E-04	2.05E-04	7.70E-05	1.21E-04	5.52E-05	1.00E-04
1611	564295.9	4191647.39	1.26E-03	4.85E-04	2.02E-04	7.60E-05	1.19E-04	5.44E-05	9.89E-05
1612	564256.57	4191647.69	1.27E-03	4.90E-04	2.04E-04	7.67E-05	1.20E-04	5.49E-05	9.98E-05
1613	564248.33	4191642.64	1.31E-03	5.05E-04	2.11E-04	7.91E-05	1.24E-04	5.66E-05	1.03E-04
1614	564240.09	4191637.59	1.35E-03	5.20E-04	2.17E-04	8.15E-05	1.28E-04	5.84E-05	1.06E-04
1615	564231.84	4191632.54	1.39E-03	5.35E-04	2.23E-04	8.39E-05	1.32E-04	6.01E-05	1.09E-04
1616	564223.6	4191627.5	1.43E-03	5.50E-04	2.29E-04	8.61E-05	1.35E-04	6.17E-05	1.12E-04
1617	564215.36	4191622.45	1.46E-03	5.63E-04	2.35E-04	8.81E-05	1.38E-04	6.31E-05	1.15E-04
1618	564207.11	4191617.4	1.49E-03	5.74E-04	2.39E-04	8.99E-05	1.41E-04	6.43E-05	1.17E-04
1619	564198.87	4191612.35	1.51E-03	5.83E-04	2.43E-04	9.13E-05	1.43E-04	6.54E-05	1.19E-04
1620	564190.62	4191607.31	1.53E-03	5.90E-04	2.46E-04	9.24E-05	1.45E-04	6.61E-05	1.20E-04
1621	564182.38	4191602.26	1.54E-03	5.94E-04	2.48E-04	9.30E-05	1.46E-04	6.66E-05	1.21E-04
1622	564174.14	4191597.21	1.55E-03	5.95E-04	2.48E-04	9.32E-05	1.46E-04	6.67E-05	1.21E-04
1623	564149.41	4191582.07	1.51E-03	5.81E-04	2.42E-04	9.09E-05	1.43E-04	6.51E-05	1.18E-04
1624	564141.16	4191577.02	1.48E-03	5.70E-04	2.38E-04	8.93E-05	1.40E-04	6.39E-05	1.16E-04
1625	564132.92	4191571.98	1.45E-03	5.56E-04	2.32E-04	8.72E-05	1.37E-04	6.24E-05	1.13E-04
1626	564124.68	4191566.93	1.40E-03	5.41E-04	2.25E-04	8.47E-05	1.33E-04	6.06E-05	1.10E-04
1627	564116.43	4191561.88	1.36E-03	5.22E-04	2.18E-04	8.18E-05	1.29E-04	5.86E-05	1.07E-04
1628	564108.19	4191556.83	1.31E-03	5.03E-04	2.10E-04	7.87E-05	1.24E-04	5.64E-05	1.02E-04
1629	564099.94	4191551.79	1.25E-03	4.82E-04	2.01E-04	7.55E-05	1.19E-04	5.41E-05	9.83E-05
1630	564091.7	4191546.74	1.20E-03	4.60E-04	1.92E-04	7.21E-05	1.13E-04	5.17E-05	9.39E-05
1631	564083.46	4191541.69	1.14E-03	4.38E-04	1.83E-04	6.87E-05	1.08E-04	4.92E-05	8.94E-05
1632	564075.21	4191536.65	1.08E-03	4.16E-04	1.73E-04	6.52E-05	1.02E-04	4.67E-05	8.48E-05
1633	564062.61	4191512.76	9.89E-04	3.80E-04	1.59E-04	5.96E-05	9.36E-05	4.27E-05	7.76E-05
1634	564060.43	4191503.35	9.68E-04	3.72E-04	1.55E-04	5.83E-05	9.16E-05	4.18E-05	7.59E-05
1635	564058.25	4191493.93	9.44E-04	3.63E-04	1.52E-04	5.69E-05	8.94E-05	4.08E-05	7.41E-05
1636	564056.07	4191484.51	9.19E-04	3.53E-04	1.47E-04	5.54E-05	8.70E-05	3.97E-05	7.21E-05
1637	564053.89	4191475.1	8.91E-04	3.43E-04	1.43E-04	5.37E-05	8.43E-05	3.84E-05	6.99E-05
1638	564051.71	4191465.68	8.61E-04	3.31E-04	1.38E-04	5.19E-05	8.15E-05	3.72E-05	6.75E-05
1639	564049.53	4191456.26	8.31E-04	3.20E-04	1.33E-04	5.01E-05	7.87E-05	3.59E-05	6.52E-05
1640	564047.35	4191446.84	7.99E-04	3.08E-04	1.28E-04	4.82E-05	7.57E-05	3.45E-05	6.27E-05
1641	564045.17	4191437.43	7.66E-04	2.95E-04	1.23E-04	4.62E-05	7.25E-05	3.31E-05	6.01E-05
1642	564043	4191428.01	7.31E-04	2.81E-04	1.17E-04	4.41E-05	6.92E-05	3.16E-05	5.74E-05
1643	564040.82	4191418.59	6.95E-04	2.68E-04	1.12E-04	4.19E-05	6.58E-05	3.00E-05	5.45E-05
1644	564038.64	4191409.17	6.59E-04	2.53E-04	1.06E-04	3.97E-05	6.23E-05	2.84E-05	5.17E-05
1645	564036.46	4191399.76	6.22E-04	2.39E-04	9.98E-05	3.75E-05	5.89E-05	2.68E-05	4.88E-05
1646	564034.28	4191390.34	5.86E-04	2.26E-04	9.40E-05	3.53E-05	5.55E-05	2.53E-05	4.60E-05
1647	564032.1	4191380.92	5.52E-04	2.12E-04	8.85E-05	3.32E-05	5.22E-05	2.38E-05	4.33E-05
1648	564029.92	4191371.51	5.18E-04	2.00E-04	8.32E-05	3.13E-05	4.91E-05	2.24E-05	4.07E-05
1649	564027.74	4191362.09	4.87E-04	1.87E-04	7.81E-05	2.94E-05	4.61E-05	2.10E-05	3.82E-05
1650	564025.56	4191352.67	4.58E-04	1.76E-04	7.35E-05	2.76E-05	4.33E-05	1.98E-05	3.59E-05
1651	564023.38	4191343.25	4.31E-04	1.66E-04	6.92E-05	2.60E-05	4.08E-05	1.86E-05	3.38E-05
1652	564021.2	4191333.84	4.08E-04	1.57E-04	6.55E-05	2.46E-05	3.87E-05	1.76E-05	3.20E-05
1653	564019.02	4191324.42	3.88E-04	1.49E-04	6.23E-05	2.34E-05	3.67E-05	1.68E-05	3.05E-05
1654	564016.84	4191315	3.71E-04	1.43E-04	5.95E-05	2.23E-05	3.51E-05	1.60E-05	2.91E-05
1655	564264.82	4191652.73	1.23E-03	4.75E-04	1.98E-04	7.43E-05	1.17E-04	5.32E-05	9.67E-05
1656	564274.67	4191654.25	1.22E-03	4.69E-04	1.95E-04	7.34E-05	1.15E-04	5.26E-05	9.56E-05
1657	564284.52	4191655.76	1.20E-03	4.63E-04	1.93E-04	7.25E-05	1.14E-04	5.19E-05	9.43E-05
1658	564294.38	4191657.27	1.19E-03	4.56E-04	1.90E-04	7.15E-05	1.12E-04	5.12E-05	9.30E-05
1659	564238.77	4191647.6	1.27E-03	4.89E-04	2.04E-04	7.65E-05	1.20E-04	5.48E-05	9.96E-05
1660	564230.59	4191642.59	1.31E-03	5.02E-04	2.09E-04	7.87E-05	1.24E-04	5.64E-05	1.02E-04

1661	564222.41	4191637.58	1.34E-03	5.16E-04	2.15E-04	8.08E-05	1.27E-04	5.79E-05	1.05E-04
1662	564214.23	4191632.58	1.37E-03	5.28E-04	2.20E-04	8.28E-05	1.30E-04	5.93E-05	1.08E-04
1663	564206.06	4191627.57	1.40E-03	5.39E-04	2.25E-04	8.45E-05	1.33E-04	6.05E-05	1.10E-04
1664	564197.88	4191622.56	1.42E-03	5.48E-04	2.29E-04	8.59E-05	1.35E-04	6.15E-05	1.12E-04
1665	564189.7	4191617.56	1.44E-03	5.55E-04	2.32E-04	8.70E-05	1.37E-04	6.23E-05	1.13E-04
1666	564181.52	4191612.55	1.46E-03	5.60E-04	2.34E-04	8.78E-05	1.38E-04	6.28E-05	1.14E-04
1667	564173.34	4191607.54	1.46E-03	5.63E-04	2.35E-04	8.81E-05	1.38E-04	6.31E-05	1.15E-04
1668	564148.81	4191592.52	1.44E-03	5.54E-04	2.31E-04	8.68E-05	1.36E-04	6.22E-05	1.13E-04
1669	564140.63	4191587.51	1.42E-03	5.46E-04	2.28E-04	8.56E-05	1.34E-04	6.13E-05	1.11E-04
1670	564132.46	4191582.51	1.39E-03	5.36E-04	2.23E-04	8.39E-05	1.32E-04	6.01E-05	1.09E-04
1671	564124.28	4191577.5	1.36E-03	5.23E-04	2.18E-04	8.19E-05	1.29E-04	5.87E-05	1.07E-04
1672	564116.1	4191572.49	1.32E-03	5.08E-04	2.12E-04	7.96E-05	1.25E-04	5.70E-05	1.04E-04
1673	564107.92	4191567.49	1.28E-03	4.91E-04	2.05E-04	7.69E-05	1.21E-04	5.51E-05	1.00E-04
1674	564099.75	4191562.48	1.23E-03	4.73E-04	1.97E-04	7.41E-05	1.16E-04	5.30E-05	9.64E-05
1675	564091.57	4191557.47	1.18E-03	4.54E-04	1.89E-04	7.11E-05	1.12E-04	5.09E-05	9.25E-05
1676	564083.39	4191552.47	1.13E-03	4.34E-04	1.81E-04	6.80E-05	1.07E-04	4.87E-05	8.85E-05
1677	564075.21	4191547.46	1.07E-03	4.13E-04	1.72E-04	6.48E-05	1.02E-04	4.64E-05	8.43E-05
1678	564067.03	4191542.45	1.02E-03	3.93E-04	1.64E-04	6.16E-05	9.67E-05	4.41E-05	8.01E-05
1679	564052.37	4191509.42	9.18E-04	3.53E-04	1.47E-04	5.54E-05	8.69E-05	3.96E-05	7.21E-05
1680	564050.21	4191500.08	8.98E-04	3.45E-04	1.44E-04	5.41E-05	8.50E-05	3.88E-05	7.04E-05
1681	564048.05	4191490.74	8.75E-04	3.37E-04	1.40E-04	5.27E-05	8.28E-05	3.78E-05	6.86E-05
1682	564045.88	4191481.39	8.50E-04	3.27E-04	1.36E-04	5.12E-05	8.04E-05	3.67E-05	6.67E-05
1683	564043.72	4191472.05	8.23E-04	3.17E-04	1.32E-04	4.96E-05	7.80E-05	3.55E-05	6.46E-05
1684	564041.56	4191462.71	7.96E-04	3.06E-04	1.28E-04	4.80E-05	7.54E-05	3.44E-05	6.25E-05
1685	564039.4	4191453.37	7.68E-04	2.95E-04	1.23E-04	4.63E-05	7.27E-05	3.31E-05	6.02E-05
1686	564037.24	4191444.03	7.38E-04	2.84E-04	1.18E-04	4.45E-05	6.99E-05	3.19E-05	5.79E-05
1687	564035.07	4191434.68	7.07E-04	2.72E-04	1.13E-04	4.26E-05	6.69E-05	3.05E-05	5.55E-05
1688	564032.91	4191425.34	6.74E-04	2.59E-04	1.08E-04	4.06E-05	6.38E-05	2.91E-05	5.29E-05
1689	564030.75	4191416	6.40E-04	2.46E-04	1.03E-04	3.86E-05	6.06E-05	2.76E-05	5.02E-05
1690	564028.59	4191406.66	6.06E-04	2.33E-04	9.73E-05	3.66E-05	5.74E-05	2.62E-05	4.76E-05
1691	564026.43	4191397.32	5.73E-04	2.21E-04	9.20E-05	3.46E-05	5.43E-05	2.48E-05	4.50E-05
1692	564024.26	4191387.98	5.41E-04	2.08E-04	8.69E-05	3.26E-05	5.13E-05	2.34E-05	4.25E-05
1693	564022.1	4191378.63	5.11E-04	1.97E-04	8.19E-05	3.08E-05	4.83E-05	2.20E-05	4.01E-05
1694	564019.94	4191369.29	4.81E-04	1.85E-04	7.71E-05	2.90E-05	4.55E-05	2.07E-05	3.77E-05
1695	564017.78	4191359.95	4.52E-04	1.74E-04	7.26E-05	2.73E-05	4.28E-05	1.95E-05	3.55E-05
1696	564015.62	4191350.61	4.26E-04	1.64E-04	6.84E-05	2.57E-05	4.04E-05	1.84E-05	3.35E-05
1697	564013.45	4191341.27	4.03E-04	1.55E-04	6.47E-05	2.43E-05	3.82E-05	1.74E-05	3.16E-05
1698	564011.29	4191331.92	3.83E-04	1.47E-04	6.14E-05	2.31E-05	3.62E-05	1.65E-05	3.00E-05
1699	564009.13	4191322.58	3.65E-04	1.40E-04	5.85E-05	2.20E-05	3.45E-05	1.57E-05	2.86E-05
1700	564006.97	4191313.24	3.49E-04	1.34E-04	5.60E-05	2.10E-05	3.30E-05	1.51E-05	2.74E-05
1701	564349.78	4191362.44	1.26E-01	4.84E-02	2.02E-02	7.58E-03	1.19E-02	5.43E-03	9.86E-03
1702	564352.52	4191346.45	1.97E-01	7.56E-02	3.15E-02	1.18E-02	1.86E-02	8.48E-03	1.54E-02
1703	564355.26	4191330.45	2.30E-01	8.86E-02	3.69E-02	1.39E-02	2.18E-02	9.94E-03	1.81E-02
1704	564361	4191356.13	1.01E-01	3.88E-02	1.62E-02	6.08E-03	9.55E-03	4.36E-03	7.92E-03
1705	564363.74	4191340.14	1.64E-01	6.31E-02	2.63E-02	9.88E-03	1.55E-02	7.08E-03	1.29E-02
1706	564350.09	4191386.86	4.30E-02	1.66E-02	6.90E-03	2.59E-03	4.07E-03	1.86E-03	3.38E-03
1707	564370.86	4191357.82	6.59E-02	2.54E-02	1.06E-02	3.97E-03	6.24E-03	2.84E-03	5.17E-03
1708	564373.6	4191341.83	1.06E-01	4.09E-02	1.70E-02	6.41E-03	1.01E-02	4.59E-03	8.34E-03
1709	564376.34	4191325.84	1.35E-01	5.18E-02	2.16E-02	8.11E-03	1.27E-02	5.81E-03	1.06E-02
1710	564367.31	4191386.78	3.22E-02	1.24E-02	5.16E-03	1.94E-03	3.04E-03	1.39E-03	2.52E-03
1711	564355.94	4191394.97	3.00E-02	1.15E-02	4.81E-03	1.81E-03	2.84E-03	1.29E-03	2.35E-03
1712	564380.72	4191359.51	4.56E-02	1.75E-02	7.31E-03	2.75E-03	4.31E-03	1.97E-03	3.58E-03

1713	564383.46	4191343.52	6.82E-02	2.63E-02	1.09E-02	4.11E-03	6.46E-03	2.94E-03	5.35E-03
1714	564377.17	4191388.47	2.57E-02	9.88E-03	4.12E-03	1.55E-03	2.43E-03	1.11E-03	2.01E-03
1715	564361.78	4191403.09	2.21E-02	8.49E-03	3.54E-03	1.33E-03	2.09E-03	9.53E-04	1.73E-03
1716	564347.06	4191406.63	2.31E-02	8.90E-03	3.71E-03	1.39E-03	2.19E-03	9.99E-04	1.82E-03
1717	564367.63	4191411.2	1.69E-02	6.52E-03	2.72E-03	1.02E-03	1.60E-03	7.31E-04	1.33E-03
1718	564352.9	4191414.74	1.78E-02	6.87E-03	2.86E-03	1.08E-03	1.69E-03	7.70E-04	1.40E-03
1719	564373.48	4191419.31	1.34E-02	5.15E-03	2.15E-03	8.07E-04	1.27E-03	5.78E-04	1.05E-03
1720	564358.75	4191422.86	1.42E-02	5.45E-03	2.27E-03	8.53E-04	1.34E-03	6.11E-04	1.11E-03
1721	564344.02	4191426.4	1.43E-02	5.52E-03	2.30E-03	8.64E-04	1.36E-03	6.19E-04	1.13E-03
1722	564364.59	4191430.97	1.15E-02	4.42E-03	1.84E-03	6.92E-04	1.09E-03	4.95E-04	9.00E-04
1723	564349.87	4191434.51	1.17E-02	4.51E-03	1.88E-03	7.07E-04	1.11E-03	5.06E-04	9.20E-04
1724	564370.44	4191439.08	9.47E-03	3.64E-03	1.52E-03	5.71E-04	8.96E-04	4.09E-04	7.43E-04
1725	564355.71	4191442.62	9.75E-03	3.75E-03	1.56E-03	5.87E-04	9.23E-04	4.21E-04	7.65E-04
1726	564340.99	4191446.17	9.71E-03	3.74E-03	1.56E-03	5.85E-04	9.19E-04	4.19E-04	7.62E-04
1727	564430	4191367.95	1.30E-02	4.99E-03	2.08E-03	7.81E-04	1.23E-03	5.59E-04	1.02E-03
1728	564432.74	4191351.96	1.46E-02	5.60E-03	2.34E-03	8.78E-04	1.38E-03	6.29E-04	1.14E-03
1729	564435.48	4191335.97	1.92E-02	7.40E-03	3.08E-03	1.16E-03	1.82E-03	8.30E-04	1.51E-03
1730	564426.45	4191396.91	1.02E-02	3.92E-03	1.64E-03	6.14E-04	9.65E-04	4.40E-04	8.00E-04
1731	564361.56	4191450.74	8.21E-03	3.16E-03	1.32E-03	4.95E-04	7.77E-04	3.54E-04	6.44E-04
1732	564346.83	4191454.28	8.26E-03	3.18E-03	1.32E-03	4.98E-04	7.82E-04	3.56E-04	6.48E-04
1733	564439.85	4191369.64	1.08E-02	4.15E-03	1.73E-03	6.50E-04	1.02E-03	4.65E-04	8.45E-04
1734	564442.59	4191353.65	1.19E-02	4.56E-03	1.90E-03	7.15E-04	1.12E-03	5.12E-04	9.30E-04
1735	564445.33	4191337.66	1.50E-02	5.78E-03	2.41E-03	9.06E-04	1.42E-03	6.49E-04	1.18E-03
1736	564436.31	4191398.6	8.76E-03	3.37E-03	1.41E-03	5.28E-04	8.30E-04	3.78E-04	6.88E-04
1737	564428.29	4191411.45	8.21E-03	3.16E-03	1.32E-03	4.95E-04	7.77E-04	3.55E-04	6.44E-04
1738	564420.27	4191424.3	7.53E-03	2.90E-03	1.21E-03	4.54E-04	7.13E-04	3.25E-04	5.91E-04
1739	564367.4	4191458.85	7.01E-03	2.70E-03	1.12E-03	4.22E-04	6.63E-04	3.02E-04	5.50E-04
1740	564449.71	4191371.33	9.08E-03	3.50E-03	1.46E-03	5.48E-04	8.60E-04	3.92E-04	7.13E-04
1741	564452.45	4191355.34	9.80E-03	3.77E-03	1.57E-03	5.91E-04	9.28E-04	4.23E-04	7.69E-04
1742	564455.19	4191339.35	1.20E-02	4.60E-03	1.92E-03	7.21E-04	1.13E-03	5.16E-04	9.38E-04
1743	564446.16	4191400.29	7.61E-03	2.93E-03	1.22E-03	4.59E-04	7.20E-04	3.28E-04	5.97E-04
1744	564438.14	4191413.14	7.21E-03	2.77E-03	1.16E-03	4.34E-04	6.82E-04	3.11E-04	5.65E-04
1745	564430.12	4191425.99	6.67E-03	2.57E-03	1.07E-03	4.02E-04	6.31E-04	2.88E-04	5.23E-04
1746	564422.1	4191438.84	6.13E-03	2.36E-03	9.83E-04	3.69E-04	5.80E-04	2.65E-04	4.81E-04
1747	564459.57	4191373.02	7.75E-03	2.98E-03	1.24E-03	4.67E-04	7.34E-04	3.35E-04	6.08E-04
1748	564462.31	4191357.03	8.23E-03	3.17E-03	1.32E-03	4.96E-04	7.79E-04	3.55E-04	6.46E-04
1749	564465.05	4191341.03	9.72E-03	3.74E-03	1.56E-03	5.86E-04	9.20E-04	4.20E-04	7.63E-04
1750	564456.02	4191401.98	6.67E-03	2.57E-03	1.07E-03	4.02E-04	6.32E-04	2.88E-04	5.24E-04
1751	564448	4191414.83	6.37E-03	2.45E-03	1.02E-03	3.84E-04	6.03E-04	2.75E-04	5.00E-04
1752	564439.98	4191427.68	5.94E-03	2.28E-03	9.53E-04	3.58E-04	5.62E-04	2.56E-04	4.66E-04
1753	564431.96	4191440.53	5.49E-03	2.11E-03	8.81E-04	3.31E-04	5.20E-04	2.37E-04	4.31E-04
1754	564423.94	4191453.37	5.06E-03	1.95E-03	8.12E-04	3.05E-04	4.79E-04	2.19E-04	3.97E-04
1755	564349.64	4191482.16	5.37E-03	2.07E-03	8.62E-04	3.24E-04	5.09E-04	2.32E-04	4.22E-04
1756	564334.91	4191485.7	5.29E-03	2.03E-03	8.48E-04	3.19E-04	5.00E-04	2.28E-04	4.15E-04
1757	564469.42	4191374.71	6.68E-03	2.57E-03	1.07E-03	4.03E-04	6.33E-04	2.89E-04	5.24E-04
1758	564472.16	4191358.72	7.01E-03	2.70E-03	1.12E-03	4.23E-04	6.64E-04	3.03E-04	5.50E-04
1759	564474.9	4191342.72	8.06E-03	3.10E-03	1.29E-03	4.86E-04	7.63E-04	3.48E-04	6.32E-04
1760	564465.88	4191403.67	5.89E-03	2.27E-03	9.45E-04	3.55E-04	5.58E-04	2.54E-04	4.62E-04
1761	564457.86	4191416.52	5.68E-03	2.18E-03	9.10E-04	3.42E-04	5.37E-04	2.45E-04	4.45E-04
1762	564449.83	4191429.36	5.32E-03	2.05E-03	8.53E-04	3.21E-04	5.04E-04	2.30E-04	4.17E-04
1763	564441.81	4191442.21	4.95E-03	1.90E-03	7.93E-04	2.98E-04	4.68E-04	2.14E-04	3.88E-04
1764	564433.79	4191455.06	4.59E-03	1.77E-03	7.37E-04	2.77E-04	4.35E-04	1.98E-04	3.60E-04

1765	564425.77	4191467.91	4.26E-03	1.64E-03	6.83E-04	2.57E-04	4.03E-04	1.84E-04	3.34E-04
1766	564355.49	4191490.27	4.75E-03	1.83E-03	7.62E-04	2.86E-04	4.50E-04	2.05E-04	3.73E-04
1767	564340.76	4191493.82	4.70E-03	1.81E-03	7.54E-04	2.83E-04	4.45E-04	2.03E-04	3.69E-04
1768	564479.28	4191376.4	5.82E-03	2.24E-03	9.33E-04	3.51E-04	5.51E-04	2.51E-04	4.56E-04
1769	564482.02	4191360.4	6.04E-03	2.33E-03	9.70E-04	3.64E-04	5.72E-04	2.61E-04	4.74E-04
1770	564484.76	4191344.41	6.79E-03	2.61E-03	1.09E-03	4.10E-04	6.43E-04	2.93E-04	5.33E-04
1771	564475.73	4191405.36	5.23E-03	2.01E-03	8.39E-04	3.15E-04	4.95E-04	2.26E-04	4.10E-04
1772	564467.71	4191418.2	5.08E-03	1.95E-03	8.15E-04	3.06E-04	4.81E-04	2.19E-04	3.98E-04
1773	564459.69	4191431.05	4.79E-03	1.84E-03	7.68E-04	2.88E-04	4.53E-04	2.07E-04	3.75E-04
1774	564451.67	4191443.9	4.47E-03	1.72E-03	7.17E-04	2.69E-04	4.23E-04	1.93E-04	3.51E-04
1775	564443.65	4191456.75	4.18E-03	1.61E-03	6.71E-04	2.52E-04	3.96E-04	1.80E-04	3.28E-04
1776	564435.63	4191469.6	3.90E-03	1.50E-03	6.26E-04	2.35E-04	3.69E-04	1.68E-04	3.06E-04
1777	564361.33	4191498.39	4.22E-03	1.62E-03	6.77E-04	2.54E-04	4.00E-04	1.82E-04	3.31E-04
1778	564346.6	4191501.93	4.20E-03	1.62E-03	6.74E-04	2.53E-04	3.98E-04	1.81E-04	3.30E-04
1779	564331.88	4191505.47	4.13E-03	1.59E-03	6.62E-04	2.49E-04	3.91E-04	1.78E-04	3.24E-04
1780	564489.14	4191378.09	5.11E-03	1.97E-03	8.19E-04	3.08E-04	4.83E-04	2.20E-04	4.01E-04
1781	564491.88	4191362.09	5.26E-03	2.02E-03	8.44E-04	3.17E-04	4.98E-04	2.27E-04	4.13E-04
1782	564494.62	4191346.1	5.81E-03	2.23E-03	9.32E-04	3.50E-04	5.50E-04	2.51E-04	4.56E-04
1783	564484.79	4191408.33	4.64E-03	1.78E-03	7.44E-04	2.80E-04	4.39E-04	2.00E-04	3.64E-04
1784	564476.23	4191422.03	4.51E-03	1.74E-03	7.24E-04	2.72E-04	4.27E-04	1.95E-04	3.54E-04
1785	564467.68	4191435.74	4.24E-03	1.63E-03	6.80E-04	2.55E-04	4.01E-04	1.83E-04	3.32E-04
1786	564459.12	4191449.45	3.98E-03	1.53E-03	6.38E-04	2.40E-04	3.77E-04	1.72E-04	3.12E-04
1787	564450.56	4191463.15	3.72E-03	1.43E-03	5.97E-04	2.24E-04	3.52E-04	1.61E-04	2.92E-04
1788	564442.01	4191476.86	3.47E-03	1.34E-03	5.57E-04	2.09E-04	3.29E-04	1.50E-04	2.73E-04
1789	564425.6	4191492.45	3.33E-03	1.28E-03	5.34E-04	2.01E-04	3.15E-04	1.44E-04	2.61E-04
1790	564362.76	4191507.56	3.77E-03	1.45E-03	6.05E-04	2.27E-04	3.57E-04	1.63E-04	2.96E-04
1791	564347.05	4191511.34	3.76E-03	1.45E-03	6.02E-04	2.26E-04	3.56E-04	1.62E-04	2.95E-04
1792	564331.34	4191515.12	3.69E-03	1.42E-03	5.92E-04	2.23E-04	3.50E-04	1.59E-04	2.90E-04
1793	564498.99	4191379.77	4.50E-03	1.73E-03	7.22E-04	2.71E-04	4.26E-04	1.94E-04	3.53E-04
1794	564501.73	4191363.78	4.62E-03	1.78E-03	7.41E-04	2.79E-04	4.37E-04	1.99E-04	3.63E-04
1795	564504.47	4191347.79	5.02E-03	1.93E-03	8.05E-04	3.02E-04	4.75E-04	2.17E-04	3.94E-04
1796	564494.69	4191409.94	4.14E-03	1.59E-03	6.65E-04	2.50E-04	3.92E-04	1.79E-04	3.25E-04
1797	564486.17	4191423.59	4.06E-03	1.56E-03	6.52E-04	2.45E-04	3.85E-04	1.75E-04	3.19E-04
1798	564477.65	4191437.24	3.85E-03	1.48E-03	6.18E-04	2.32E-04	3.64E-04	1.66E-04	3.02E-04
1799	564469.13	4191450.89	3.61E-03	1.39E-03	5.79E-04	2.18E-04	3.42E-04	1.56E-04	2.83E-04
1800	564460.6	4191464.55	3.41E-03	1.31E-03	5.47E-04	2.06E-04	3.23E-04	1.47E-04	2.68E-04
1801	564452.08	4191478.2	3.18E-03	1.22E-03	5.10E-04	1.92E-04	3.01E-04	1.37E-04	2.49E-04
1802	564431.47	4191500.56	2.97E-03	1.14E-03	4.77E-04	1.79E-04	2.81E-04	1.28E-04	2.33E-04
1803	564415.83	4191504.32	3.14E-03	1.21E-03	5.04E-04	1.89E-04	2.97E-04	1.36E-04	2.46E-04
1804	564353.23	4191519.37	3.39E-03	1.30E-03	5.43E-04	2.04E-04	3.21E-04	1.46E-04	2.66E-04
1805	564337.59	4191523.14	3.35E-03	1.29E-03	5.38E-04	2.02E-04	3.17E-04	1.45E-04	2.63E-04
1806	564508.85	4191381.46	4.00E-03	1.54E-03	6.42E-04	2.41E-04	3.79E-04	1.73E-04	3.14E-04
1807	564511.59	4191365.47	4.06E-03	1.56E-03	6.52E-04	2.45E-04	3.85E-04	1.75E-04	3.19E-04
1808	564514.33	4191349.48	4.33E-03	1.67E-03	6.94E-04	2.61E-04	4.10E-04	1.87E-04	3.40E-04
1809	564504.6	4191411.56	3.72E-03	1.43E-03	5.97E-04	2.24E-04	3.53E-04	1.61E-04	2.92E-04
1810	564496.1	4191425.16	3.68E-03	1.41E-03	5.90E-04	2.22E-04	3.48E-04	1.59E-04	2.88E-04
1811	564487.61	4191438.77	3.51E-03	1.35E-03	5.63E-04	2.12E-04	3.32E-04	1.52E-04	2.75E-04
1812	564479.12	4191452.37	3.31E-03	1.27E-03	5.30E-04	1.99E-04	3.13E-04	1.43E-04	2.59E-04
1813	564470.62	4191465.98	3.11E-03	1.20E-03	4.99E-04	1.88E-04	2.95E-04	1.34E-04	2.44E-04
1814	564462.13	4191479.58	2.93E-03	1.13E-03	4.69E-04	1.76E-04	2.77E-04	1.26E-04	2.30E-04
1815	564437.35	4191508.67	2.68E-03	1.03E-03	4.30E-04	1.61E-04	2.54E-04	1.16E-04	2.10E-04
1816	564421.75	4191512.42	2.83E-03	1.09E-03	4.54E-04	1.70E-04	2.68E-04	1.22E-04	2.22E-04

1817	564359.38	4191527.41	3.07E-03	1.18E-03	4.92E-04	1.85E-04	2.90E-04	1.32E-04	2.41E-04
1818	564343.78	4191531.16	3.05E-03	1.17E-03	4.89E-04	1.84E-04	2.89E-04	1.32E-04	2.39E-04
1819	564328.19	4191534.91	3.01E-03	1.16E-03	4.82E-04	1.81E-04	2.85E-04	1.30E-04	2.36E-04
1820	564518.7	4191383.15	3.58E-03	1.38E-03	5.75E-04	2.16E-04	3.39E-04	1.55E-04	2.81E-04
1821	564521.44	4191367.16	3.61E-03	1.39E-03	5.80E-04	2.18E-04	3.42E-04	1.56E-04	2.84E-04
1822	564524.18	4191351.17	3.80E-03	1.46E-03	6.09E-04	2.29E-04	3.59E-04	1.64E-04	2.98E-04
1823	564514.49	4191413.18	3.37E-03	1.30E-03	5.41E-04	2.03E-04	3.19E-04	1.45E-04	2.64E-04
1824	564506.02	4191426.74	3.34E-03	1.29E-03	5.36E-04	2.01E-04	3.16E-04	1.44E-04	2.62E-04
1825	564497.56	4191440.31	3.21E-03	1.24E-03	5.16E-04	1.94E-04	3.04E-04	1.39E-04	2.52E-04
1826	564489.09	4191453.87	3.04E-03	1.17E-03	4.87E-04	1.83E-04	2.88E-04	1.31E-04	2.38E-04
1827	564480.62	4191467.43	2.86E-03	1.10E-03	4.60E-04	1.73E-04	2.71E-04	1.24E-04	2.25E-04
1828	564472.16	4191481	2.70E-03	1.04E-03	4.33E-04	1.63E-04	2.55E-04	1.16E-04	2.12E-04
1829	564455.22	4191508.12	2.42E-03	9.32E-04	3.89E-04	1.46E-04	2.29E-04	1.05E-04	1.90E-04
1830	564443.22	4191516.77	2.43E-03	9.34E-04	3.89E-04	1.46E-04	2.30E-04	1.05E-04	1.90E-04
1831	564427.67	4191520.51	2.56E-03	9.85E-04	4.10E-04	1.54E-04	2.42E-04	1.10E-04	2.01E-04
1832	564412.12	4191524.25	2.66E-03	1.02E-03	4.27E-04	1.60E-04	2.52E-04	1.15E-04	2.09E-04
1833	564349.94	4191539.2	2.78E-03	1.07E-03	4.47E-04	1.68E-04	2.64E-04	1.20E-04	2.18E-04
1834	564334.4	4191542.94	2.76E-03	1.06E-03	4.42E-04	1.66E-04	2.61E-04	1.19E-04	2.16E-04
1835	564528.56	4191384.84	3.22E-03	1.24E-03	5.17E-04	1.94E-04	3.05E-04	1.39E-04	2.53E-04
1836	564531.3	4191368.85	3.24E-03	1.25E-03	5.19E-04	1.95E-04	3.06E-04	1.40E-04	2.54E-04
1837	564534.04	4191352.86	3.36E-03	1.29E-03	5.39E-04	2.03E-04	3.18E-04	1.45E-04	2.64E-04
1838	564524.38	4191414.81	3.06E-03	1.18E-03	4.91E-04	1.85E-04	2.90E-04	1.32E-04	2.40E-04
1839	564515.94	4191428.34	3.05E-03	1.17E-03	4.89E-04	1.84E-04	2.89E-04	1.32E-04	2.39E-04
1840	564507.5	4191441.86	2.95E-03	1.13E-03	4.73E-04	1.78E-04	2.79E-04	1.27E-04	2.31E-04
1841	564499.05	4191455.39	2.80E-03	1.08E-03	4.49E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04
1842	564490.61	4191468.92	2.64E-03	1.02E-03	4.24E-04	1.59E-04	2.50E-04	1.14E-04	2.07E-04
1843	564482.17	4191482.44	2.50E-03	9.60E-04	4.00E-04	1.50E-04	2.36E-04	1.08E-04	1.96E-04
1844	564465.28	4191509.49	2.26E-03	8.69E-04	3.62E-04	1.36E-04	2.14E-04	9.75E-05	1.77E-04
1845	564449.08	4191524.88	2.21E-03	8.49E-04	3.54E-04	1.33E-04	2.09E-04	9.53E-05	1.73E-04
1846	564433.58	4191528.61	2.32E-03	8.92E-04	3.72E-04	1.40E-04	2.20E-04	1.00E-04	1.82E-04
1847	564418.08	4191532.34	2.42E-03	9.30E-04	3.88E-04	1.46E-04	2.29E-04	1.04E-04	1.90E-04
1848	564356.07	4191547.25	2.55E-03	9.81E-04	4.09E-04	1.54E-04	2.41E-04	1.10E-04	2.00E-04
1849	564340.56	4191550.98	2.53E-03	9.75E-04	4.06E-04	1.53E-04	2.40E-04	1.09E-04	1.99E-04
1850	564325.06	4191554.7	2.50E-03	9.61E-04	4.01E-04	1.51E-04	2.36E-04	1.08E-04	1.96E-04
1851	564538.42	4191386.53	2.91E-03	1.12E-03	4.67E-04	1.76E-04	2.76E-04	1.26E-04	2.28E-04
1852	564541.16	4191370.54	2.92E-03	1.12E-03	4.68E-04	1.76E-04	2.76E-04	1.26E-04	2.29E-04
1853	564543.9	4191354.54	3.01E-03	1.16E-03	4.82E-04	1.81E-04	2.85E-04	1.30E-04	2.36E-04
1854	564534.27	4191416.45	2.79E-03	1.07E-03	4.48E-04	1.68E-04	2.64E-04	1.20E-04	2.19E-04
1855	564525.85	4191429.94	2.79E-03	1.07E-03	4.48E-04	1.68E-04	2.64E-04	1.21E-04	2.19E-04
1856	564517.43	4191443.43	2.71E-03	1.04E-03	4.35E-04	1.64E-04	2.57E-04	1.17E-04	2.13E-04
1857	564509	4191456.93	2.59E-03	9.96E-04	4.15E-04	1.56E-04	2.45E-04	1.12E-04	2.03E-04
1858	564500.58	4191470.42	2.45E-03	9.42E-04	3.93E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04
1859	564492.16	4191483.91	2.31E-03	8.90E-04	3.71E-04	1.39E-04	2.19E-04	9.98E-05	1.81E-04
1860	564475.31	4191510.89	2.11E-03	8.10E-04	3.38E-04	1.27E-04	1.99E-04	9.09E-05	1.65E-04
1861	564466.89	4191524.39	2.01E-03	7.74E-04	3.23E-04	1.21E-04	1.90E-04	8.68E-05	1.58E-04
1862	564454.95	4191532.99	2.02E-03	7.76E-04	3.24E-04	1.22E-04	1.91E-04	8.70E-05	1.58E-04
1863	564439.48	4191536.71	2.12E-03	8.14E-04	3.39E-04	1.28E-04	2.00E-04	9.13E-05	1.66E-04
1864	564424.02	4191540.43	2.20E-03	8.48E-04	3.54E-04	1.33E-04	2.09E-04	9.51E-05	1.73E-04
1865	564408.56	4191544.15	2.27E-03	8.73E-04	3.64E-04	1.37E-04	2.15E-04	9.79E-05	1.78E-04
1866	564346.7	4191559.02	2.33E-03	8.98E-04	3.74E-04	1.41E-04	2.21E-04	1.01E-04	1.83E-04
1867	564548.27	4191388.22	2.64E-03	1.02E-03	4.24E-04	1.59E-04	2.50E-04	1.14E-04	2.07E-04
1868	564551.01	4191372.23	2.64E-03	1.02E-03	4.24E-04	1.59E-04	2.50E-04	1.14E-04	2.07E-04

1869	564553.75	4191356.23	2.71E-03	1.04E-03	4.34E-04	1.63E-04	2.56E-04	1.17E-04	2.12E-04
1870	564544.16	4191418.09	2.55E-03	9.82E-04	4.09E-04	1.54E-04	2.42E-04	1.10E-04	2.00E-04
1871	564535.75	4191431.56	2.56E-03	9.87E-04	4.11E-04	1.55E-04	2.43E-04	1.11E-04	2.01E-04
1872	564527.35	4191445.02	2.50E-03	9.64E-04	4.02E-04	1.51E-04	2.37E-04	1.08E-04	1.96E-04
1873	564518.95	4191458.48	2.40E-03	9.23E-04	3.85E-04	1.45E-04	2.27E-04	1.04E-04	1.88E-04
1874	564510.54	4191471.94	2.27E-03	8.75E-04	3.65E-04	1.37E-04	2.15E-04	9.81E-05	1.78E-04
1875	564502.14	4191485.4	2.15E-03	8.27E-04	3.45E-04	1.30E-04	2.04E-04	9.28E-05	1.69E-04
1876	564485.33	4191512.32	1.97E-03	7.56E-04	3.15E-04	1.18E-04	1.86E-04	8.48E-05	1.54E-04
1877	564476.93	4191525.78	1.88E-03	7.25E-04	3.02E-04	1.14E-04	1.78E-04	8.14E-05	1.48E-04
1878	564460.81	4191541.1	1.85E-03	7.12E-04	2.97E-04	1.11E-04	1.75E-04	7.98E-05	1.45E-04
1879	564445.38	4191544.81	1.94E-03	7.46E-04	3.11E-04	1.17E-04	1.83E-04	8.37E-05	1.52E-04
1880	564429.95	4191548.52	2.02E-03	7.77E-04	3.24E-04	1.22E-04	1.91E-04	8.71E-05	1.58E-04
1881	564414.53	4191552.23	2.08E-03	8.00E-04	3.33E-04	1.25E-04	1.97E-04	8.97E-05	1.63E-04
1882	564321.95	4191574.49	2.11E-03	8.11E-04	3.38E-04	1.27E-04	2.00E-04	9.10E-05	1.65E-04
1883	564545.65	4191433.17	2.36E-03	9.09E-04	3.79E-04	1.42E-04	2.24E-04	1.02E-04	1.85E-04
1884	564537.27	4191446.61	2.32E-03	8.91E-04	3.72E-04	1.40E-04	2.19E-04	1.00E-04	1.82E-04
1885	564528.88	4191460.04	2.23E-03	8.57E-04	3.57E-04	1.34E-04	2.11E-04	9.61E-05	1.75E-04
1886	564520.49	4191473.47	2.12E-03	8.15E-04	3.40E-04	1.28E-04	2.00E-04	9.14E-05	1.66E-04
1887	564512.11	4191486.91	2.01E-03	7.72E-04	3.22E-04	1.21E-04	1.90E-04	8.66E-05	1.57E-04
1888	564495.34	4191513.77	1.84E-03	7.07E-04	2.95E-04	1.11E-04	1.74E-04	7.93E-05	1.44E-04
1889	564486.95	4191527.21	1.77E-03	6.80E-04	2.83E-04	1.07E-04	1.67E-04	7.63E-05	1.39E-04
1890	564478.57	4191540.64	1.70E-03	6.53E-04	2.72E-04	1.02E-04	1.61E-04	7.32E-05	1.33E-04
1891	564466.67	4191549.21	1.70E-03	6.55E-04	2.73E-04	1.03E-04	1.61E-04	7.34E-05	1.33E-04
1892	564451.28	4191552.91	1.78E-03	6.85E-04	2.86E-04	1.07E-04	1.69E-04	7.69E-05	1.40E-04
1893	564435.88	4191556.61	1.85E-03	7.12E-04	2.97E-04	1.12E-04	1.75E-04	7.99E-05	1.45E-04
1894	564420.48	4191560.32	1.91E-03	7.35E-04	3.07E-04	1.15E-04	1.81E-04	8.25E-05	1.50E-04
1895	564343.5	4191578.83	1.98E-03	7.63E-04	3.18E-04	1.20E-04	1.88E-04	8.56E-05	1.56E-04
1896	564328.1	4191582.53	1.96E-03	7.55E-04	3.15E-04	1.18E-04	1.86E-04	8.47E-05	1.54E-04
1897	564538.81	4191461.62	2.07E-03	7.97E-04	3.32E-04	1.25E-04	1.96E-04	8.95E-05	1.63E-04
1898	564530.44	4191475.02	1.98E-03	7.61E-04	3.17E-04	1.19E-04	1.87E-04	8.54E-05	1.55E-04
1899	564522.07	4191488.43	1.88E-03	7.23E-04	3.02E-04	1.13E-04	1.78E-04	8.11E-05	1.47E-04
1900	564505.33	4191515.25	1.72E-03	6.62E-04	2.76E-04	1.04E-04	1.63E-04	7.42E-05	1.35E-04
1901	564496.96	4191528.66	1.66E-03	6.38E-04	2.66E-04	9.99E-05	1.57E-04	7.16E-05	1.30E-04
1902	564488.59	4191542.06	1.60E-03	6.14E-04	2.56E-04	9.62E-05	1.51E-04	6.89E-05	1.25E-04
1903	564472.53	4191557.32	1.57E-03	6.04E-04	2.52E-04	9.47E-05	1.49E-04	6.78E-05	1.23E-04
1904	564457.17	4191561.01	1.64E-03	6.32E-04	2.64E-04	9.90E-05	1.55E-04	7.09E-05	1.29E-04
1905	564441.8	4191564.71	1.71E-03	6.57E-04	2.74E-04	1.03E-04	1.62E-04	7.37E-05	1.34E-04
1906	564426.43	4191568.41	1.76E-03	6.78E-04	2.83E-04	1.06E-04	1.67E-04	7.61E-05	1.38E-04
1907	564411.06	4191572.1	1.80E-03	6.93E-04	2.89E-04	1.09E-04	1.71E-04	7.78E-05	1.41E-04
1908	564349.59	4191586.88	1.84E-03	7.10E-04	2.96E-04	1.11E-04	1.75E-04	7.96E-05	1.45E-04
1909	564334.22	4191590.58	1.83E-03	7.04E-04	2.93E-04	1.10E-04	1.73E-04	7.90E-05	1.44E-04
1910	564318.85	4191594.27	1.80E-03	6.94E-04	2.89E-04	1.09E-04	1.71E-04	7.78E-05	1.41E-04
1911	564580.58	4191377.29	2.01E-03	7.75E-04	3.23E-04	1.21E-04	1.91E-04	8.69E-05	1.58E-04
1912	564583.32	4191361.3	2.04E-03	7.85E-04	3.27E-04	1.23E-04	1.93E-04	8.81E-05	1.60E-04
1913	564515.31	4191516.74	1.62E-03	6.23E-04	2.60E-04	9.75E-05	1.53E-04	6.98E-05	1.27E-04
1914	564506.95	4191530.12	1.56E-03	6.00E-04	2.50E-04	9.40E-05	1.48E-04	6.73E-05	1.22E-04
1915	564498.6	4191543.51	1.50E-03	5.79E-04	2.41E-04	9.06E-05	1.42E-04	6.49E-05	1.18E-04
1916	564490.24	4191556.89	1.45E-03	5.57E-04	2.32E-04	8.73E-05	1.37E-04	6.25E-05	1.14E-04
1917	564478.39	4191565.43	1.45E-03	5.60E-04	2.33E-04	8.77E-05	1.38E-04	6.28E-05	1.14E-04
1918	564463.05	4191569.12	1.52E-03	5.85E-04	2.44E-04	9.16E-05	1.44E-04	6.56E-05	1.19E-04
1919	564447.71	4191572.81	1.58E-03	6.07E-04	2.53E-04	9.51E-05	1.49E-04	6.81E-05	1.24E-04
1920	564432.37	4191576.5	1.63E-03	6.26E-04	2.61E-04	9.81E-05	1.54E-04	7.02E-05	1.28E-04

1921	564417.03	4191580.19	1.67E-03	6.42E-04	2.68E-04	1.01E-04	1.58E-04	7.20E-05	1.31E-04
1922	564355.66	4191594.94	1.72E-03	6.61E-04	2.76E-04	1.04E-04	1.63E-04	7.42E-05	1.35E-04
1923	564340.32	4191598.63	1.71E-03	6.57E-04	2.74E-04	1.03E-04	1.62E-04	7.37E-05	1.34E-04
1924	564324.98	4191602.32	1.69E-03	6.50E-04	2.71E-04	1.02E-04	1.60E-04	7.29E-05	1.33E-04
1925	564590.44	4191378.98	1.85E-03	7.12E-04	2.97E-04	1.12E-04	1.75E-04	7.99E-05	1.45E-04
1926	564593.18	4191362.99	1.87E-03	7.21E-04	3.01E-04	1.13E-04	1.77E-04	8.09E-05	1.47E-04
1927	564516.94	4191531.61	1.47E-03	5.65E-04	2.36E-04	8.86E-05	1.39E-04	6.34E-05	1.15E-04
1928	564508.59	4191544.97	1.42E-03	5.46E-04	2.28E-04	8.55E-05	1.34E-04	6.12E-05	1.11E-04
1929	564500.25	4191558.33	1.37E-03	5.27E-04	2.20E-04	8.26E-05	1.30E-04	5.91E-05	1.07E-04
1930	564484.25	4191573.54	1.35E-03	5.19E-04	2.17E-04	8.14E-05	1.28E-04	5.83E-05	1.06E-04
1931	564468.93	4191577.22	1.41E-03	5.42E-04	2.26E-04	8.49E-05	1.33E-04	6.08E-05	1.11E-04
1932	564453.62	4191580.91	1.46E-03	5.63E-04	2.35E-04	8.82E-05	1.38E-04	6.31E-05	1.15E-04
1933	564407.67	4191591.96	1.57E-03	6.06E-04	2.53E-04	9.49E-05	1.49E-04	6.80E-05	1.24E-04
1934	564346.4	4191606.69	1.60E-03	6.15E-04	2.56E-04	9.63E-05	1.51E-04	6.90E-05	1.25E-04
1935	564331.08	4191610.37	1.58E-03	6.09E-04	2.54E-04	9.55E-05	1.50E-04	6.84E-05	1.24E-04
1936	564315.77	4191614.05	1.56E-03	6.01E-04	2.51E-04	9.41E-05	1.48E-04	6.74E-05	1.23E-04
1937	564603.04	4191364.68	1.72E-03	6.63E-04	2.76E-04	1.04E-04	1.63E-04	7.43E-05	1.35E-04
1938	564526.91	4191533.11	1.39E-03	5.34E-04	2.22E-04	8.36E-05	1.31E-04	5.98E-05	1.09E-04
1939	564518.58	4191546.45	1.34E-03	5.15E-04	2.15E-04	8.07E-05	1.27E-04	5.78E-05	1.05E-04
1940	564510.25	4191559.8	1.30E-03	4.98E-04	2.08E-04	7.81E-05	1.23E-04	5.59E-05	1.02E-04
1941	564501.92	4191573.14	1.25E-03	4.82E-04	2.01E-04	7.54E-05	1.18E-04	5.40E-05	9.82E-05
1942	564490.11	4191581.65	1.26E-03	4.84E-04	2.02E-04	7.57E-05	1.19E-04	5.42E-05	9.86E-05
1943	564474.81	4191585.33	1.31E-03	5.04E-04	2.10E-04	7.90E-05	1.24E-04	5.66E-05	1.03E-04
1944	564428.93	4191596.36	1.44E-03	5.54E-04	2.31E-04	8.68E-05	1.36E-04	6.21E-05	1.13E-04
1945	564413.64	4191600.04	1.47E-03	5.64E-04	2.35E-04	8.84E-05	1.39E-04	6.33E-05	1.15E-04
1946	564352.46	4191614.75	1.50E-03	5.76E-04	2.40E-04	9.02E-05	1.42E-04	6.46E-05	1.17E-04
1947	564337.17	4191618.43	1.49E-03	5.72E-04	2.38E-04	8.96E-05	1.41E-04	6.42E-05	1.17E-04
1948	564321.87	4191622.1	1.47E-03	5.66E-04	2.36E-04	8.86E-05	1.39E-04	6.35E-05	1.15E-04
1949	564528.56	4191547.95	1.27E-03	4.87E-04	2.03E-04	7.63E-05	1.20E-04	5.46E-05	9.93E-05
1950	564520.24	4191561.27	1.23E-03	4.72E-04	1.97E-04	7.39E-05	1.16E-04	5.29E-05	9.62E-05
1951	564511.92	4191574.6	1.19E-03	4.57E-04	1.91E-04	7.16E-05	1.12E-04	5.13E-05	9.32E-05
1952	564495.96	4191589.76	1.17E-03	4.51E-04	1.88E-04	7.07E-05	1.11E-04	5.06E-05	9.20E-05
1953	564450.15	4191600.78	1.31E-03	5.03E-04	2.10E-04	7.88E-05	1.24E-04	5.64E-05	1.03E-04
1954	564434.87	4191604.45	1.34E-03	5.16E-04	2.15E-04	8.08E-05	1.27E-04	5.79E-05	1.05E-04
1955	564419.6	4191608.12	1.37E-03	5.27E-04	2.20E-04	8.25E-05	1.30E-04	5.91E-05	1.07E-04
1956	564404.33	4191611.8	1.39E-03	5.33E-04	2.22E-04	8.36E-05	1.31E-04	5.98E-05	1.09E-04
1957	564343.23	4191626.49	1.40E-03	5.38E-04	2.24E-04	8.42E-05	1.32E-04	6.03E-05	1.10E-04
1958	564327.96	4191630.16	1.39E-03	5.33E-04	2.22E-04	8.35E-05	1.31E-04	5.98E-05	1.09E-04
1959	564312.69	4191633.83	1.37E-03	5.26E-04	2.19E-04	8.23E-05	1.29E-04	5.90E-05	1.07E-04
1960	564617.27	4191400.04	1.49E-03	5.73E-04	2.39E-04	8.97E-05	1.41E-04	6.42E-05	1.17E-04
1961	564620.01	4191384.05	1.47E-03	5.65E-04	2.35E-04	8.85E-05	1.39E-04	6.34E-05	1.15E-04
1962	564622.75	4191368.05	1.47E-03	5.65E-04	2.36E-04	8.86E-05	1.39E-04	6.34E-05	1.15E-04
1963	564604.99	4191442.99	1.51E-03	5.82E-04	2.42E-04	9.11E-05	1.43E-04	6.52E-05	1.19E-04
1964	564530.22	4191562.77	1.16E-03	4.47E-04	1.86E-04	7.00E-05	1.10E-04	5.01E-05	9.11E-05
1965	564521.91	4191576.08	1.13E-03	4.34E-04	1.81E-04	6.79E-05	1.07E-04	4.87E-05	8.84E-05
1966	564513.6	4191589.38	1.09E-03	4.20E-04	1.75E-04	6.58E-05	1.03E-04	4.71E-05	8.57E-05
1967	564471.31	4191605.21	1.18E-03	4.55E-04	1.90E-04	7.13E-05	1.12E-04	5.11E-05	9.28E-05
1968	564456.06	4191608.88	1.22E-03	4.70E-04	1.96E-04	7.36E-05	1.16E-04	5.27E-05	9.58E-05
1969	564440.81	4191612.54	1.25E-03	4.82E-04	2.01E-04	7.55E-05	1.19E-04	5.41E-05	9.83E-05
1970	564425.55	4191616.21	1.28E-03	4.92E-04	2.05E-04	7.71E-05	1.21E-04	5.52E-05	1.00E-04
1971	564410.3	4191619.88	1.30E-03	4.99E-04	2.08E-04	7.82E-05	1.23E-04	5.60E-05	1.02E-04
1972	564349.28	4191634.55	1.32E-03	5.06E-04	2.11E-04	7.93E-05	1.24E-04	5.68E-05	1.03E-04

1973	564334.03	4191638.22	1.31E-03	5.03E-04	2.10E-04	7.87E-05	1.24E-04	5.64E-05	1.02E-04
1974	564318.78	4191641.89	1.29E-03	4.97E-04	2.07E-04	7.79E-05	1.22E-04	5.58E-05	1.01E-04
1975	564627.12	4191401.73	1.39E-03	5.34E-04	2.23E-04	8.36E-05	1.31E-04	5.99E-05	1.09E-04
1976	564629.86	4191385.74	1.37E-03	5.26E-04	2.19E-04	8.23E-05	1.29E-04	5.90E-05	1.07E-04
1977	564632.6	4191369.74	1.36E-03	5.25E-04	2.19E-04	8.22E-05	1.29E-04	5.89E-05	1.07E-04
1978	564614.87	4191444.64	1.41E-03	5.44E-04	2.27E-04	8.52E-05	1.34E-04	6.10E-05	1.11E-04
1979	564606.57	4191457.94	1.42E-03	5.46E-04	2.27E-04	8.55E-05	1.34E-04	6.12E-05	1.11E-04
1980	564598.27	4191471.23	1.40E-03	5.37E-04	2.24E-04	8.42E-05	1.32E-04	6.03E-05	1.10E-04
1981	564540.19	4191564.27	1.10E-03	4.24E-04	1.77E-04	6.64E-05	1.04E-04	4.76E-05	8.65E-05
1982	564531.89	4191577.57	1.07E-03	4.12E-04	1.72E-04	6.45E-05	1.01E-04	4.62E-05	8.40E-05
1983	564523.59	4191590.86	1.04E-03	4.00E-04	1.67E-04	6.27E-05	9.85E-05	4.49E-05	8.16E-05
1984	564492.44	4191609.65	1.07E-03	4.11E-04	1.71E-04	6.44E-05	1.01E-04	4.61E-05	8.38E-05
1985	564477.2	4191613.31	1.11E-03	4.26E-04	1.78E-04	6.67E-05	1.05E-04	4.78E-05	8.68E-05
1986	564461.97	4191616.97	1.14E-03	4.40E-04	1.83E-04	6.89E-05	1.08E-04	4.93E-05	8.96E-05
1987	564446.73	4191620.64	1.17E-03	4.51E-04	1.88E-04	7.07E-05	1.11E-04	5.06E-05	9.20E-05
1988	564431.5	4191624.3	1.20E-03	4.61E-04	1.92E-04	7.22E-05	1.13E-04	5.17E-05	9.39E-05
1989	564416.26	4191627.96	1.22E-03	4.68E-04	1.95E-04	7.33E-05	1.15E-04	5.25E-05	9.53E-05
1990	564340.08	4191646.28	1.23E-03	4.74E-04	1.98E-04	7.43E-05	1.17E-04	5.32E-05	9.67E-05
1991	564324.85	4191649.95	1.22E-03	4.70E-04	1.96E-04	7.36E-05	1.16E-04	5.27E-05	9.58E-05
1992	564309.61	4191653.61	1.20E-03	4.63E-04	1.93E-04	7.26E-05	1.14E-04	5.20E-05	9.45E-05
1993	564636.98	4191403.42	1.29E-03	4.98E-04	2.08E-04	7.80E-05	1.23E-04	5.59E-05	1.02E-04
1994	564639.72	4191387.42	1.27E-03	4.90E-04	2.04E-04	7.68E-05	1.21E-04	5.50E-05	9.99E-05
1995	564642.46	4191371.43	1.27E-03	4.88E-04	2.03E-04	7.64E-05	1.20E-04	5.47E-05	9.95E-05
1996	564632.61	4191433.7	1.29E-03	4.98E-04	2.08E-04	7.81E-05	1.23E-04	5.59E-05	1.02E-04
1997	564624.03	4191447.44	1.33E-03	5.10E-04	2.13E-04	7.99E-05	1.25E-04	5.72E-05	1.04E-04
1998	564615.46	4191461.18	1.33E-03	5.12E-04	2.13E-04	8.02E-05	1.26E-04	5.74E-05	1.04E-04
1999	564606.88	4191474.91	1.31E-03	5.04E-04	2.10E-04	7.90E-05	1.24E-04	5.66E-05	1.03E-04
2000	564598.31	4191488.65	1.27E-03	4.89E-04	2.04E-04	7.67E-05	1.20E-04	5.49E-05	9.98E-05
2001	564589.73	4191502.38	1.22E-03	4.71E-04	1.96E-04	7.38E-05	1.16E-04	5.28E-05	9.60E-05
2002	564538.29	4191584.79	1.01E-03	3.87E-04	1.62E-04	6.07E-05	9.53E-05	4.35E-05	7.90E-05
2003	564529.71	4191598.53	9.79E-04	3.77E-04	1.57E-04	5.90E-05	9.27E-05	4.23E-05	7.68E-05
2004	564513.27	4191614.16	9.68E-04	3.72E-04	1.55E-04	5.84E-05	9.16E-05	4.18E-05	7.59E-05
2005	564497.52	4191617.94	1.00E-03	3.86E-04	1.61E-04	6.05E-05	9.51E-05	4.33E-05	7.88E-05
2006	564481.78	4191621.73	1.04E-03	4.01E-04	1.67E-04	6.27E-05	9.85E-05	4.49E-05	8.17E-05
2007	564466.04	4191625.52	1.07E-03	4.14E-04	1.72E-04	6.48E-05	1.02E-04	4.64E-05	8.43E-05
2008	564450.29	4191629.3	1.10E-03	4.25E-04	1.77E-04	6.65E-05	1.05E-04	4.77E-05	8.66E-05
2009	564434.55	4191633.09	1.13E-03	4.34E-04	1.81E-04	6.79E-05	1.07E-04	4.86E-05	8.84E-05
2010	564418.81	4191636.87	1.14E-03	4.40E-04	1.83E-04	6.89E-05	1.08E-04	4.94E-05	8.97E-05
2011	564340.09	4191655.8	1.16E-03	4.47E-04	1.86E-04	7.00E-05	1.10E-04	5.01E-05	9.11E-05
2012	564324.35	4191659.59	1.15E-03	4.42E-04	1.84E-04	6.93E-05	1.09E-04	4.96E-05	9.02E-05
2013	564646.84	4191405.11	1.21E-03	4.66E-04	1.94E-04	7.30E-05	1.15E-04	5.23E-05	9.50E-05
2014	564649.58	4191389.11	1.19E-03	4.58E-04	1.91E-04	7.17E-05	1.13E-04	5.14E-05	9.34E-05
2015	564652.32	4191373.12	1.18E-03	4.55E-04	1.90E-04	7.13E-05	1.12E-04	5.10E-05	9.28E-05

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	Row	18	T2	T2L3	T4i	T4f
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**16%**	**9%**	**8%**
			Year 1	Year 1	Year 1	Year 1
1	564348.44	4191310.91	7.26E-01	1.16E-01	6.87E-02	5.69E-02
2	564338.61	4191309.25	4.66E-01	7.47E-02	4.41E-02	3.65E-02
3	564328.78	4191307.59	2.39E-01	3.83E-02	2.26E-02	1.87E-02
4	564318.95	4191305.93	1.36E-01	2.18E-02	1.29E-02	1.07E-02
5	564356.59	4191305.12	6.42E-01	1.03E-01	6.08E-02	5.04E-02
6	564364.78	4191316.67	9.13E-01	1.47E-01	8.64E-02	7.16E-02
7	564340.27	4191299.39	3.34E-01	5.36E-02	3.16E-02	2.62E-02
8	564330.44	4191297.73	2.03E-01	3.26E-02	1.92E-02	1.59E-02
9	564320.61	4191296.07	1.21E-01	1.95E-02	1.15E-02	9.52E-03
10	564358.26	4191295.26	3.94E-01	6.32E-02	3.73E-02	3.09E-02
11	564372.94	4191310.89	7.10E-01	1.14E-01	6.72E-02	5.57E-02
12	564341.94	4191289.53	2.30E-01	3.69E-02	2.18E-02	1.81E-02
13	564332.11	4191287.87	1.60E-01	2.57E-02	1.52E-02	1.26E-02
14	564322.28	4191286.21	1.04E-01	1.67E-02	9.84E-03	8.16E-03
15	564359.92	4191285.4	2.52E-01	4.05E-02	2.39E-02	1.98E-02
16	564372.91	4191293.55	3.78E-01	6.07E-02	3.58E-02	2.97E-02
17	564381.1	4191305.1	5.29E-01	8.49E-02	5.01E-02	4.15E-02
18	564384.5	4191320.05	5.46E-01	8.76E-02	5.17E-02	4.28E-02
19	564343.6	4191279.67	1.66E-01	2.66E-02	1.57E-02	1.30E-02
20	564333.77	4191278.01	1.25E-01	2.01E-02	1.19E-02	9.82E-03
21	564323.94	4191276.35	8.79E-02	1.41E-02	8.32E-03	6.90E-03
22	564379.44	4191286.75	2.82E-01	4.52E-02	2.67E-02	2.21E-02
23	564356.76	4191261.61	1.10E-01	1.76E-02	1.04E-02	8.61E-03
24	564346.93	4191259.95	9.66E-02	1.55E-02	9.15E-03	7.58E-03
25	564337.1	4191258.29	8.03E-02	1.29E-02	7.60E-03	6.30E-03
26	564327.27	4191256.63	6.28E-02	1.01E-02	5.94E-03	4.93E-03
27	564366	4191256.5	9.97E-02	1.60E-02	9.44E-03	7.82E-03
28	564381.15	4191266.01	1.34E-01	2.15E-02	1.27E-02	1.05E-02
29	564348.6	4191250.09	7.73E-02	1.24E-02	7.32E-03	6.07E-03
30	564338.77	4191248.43	6.58E-02	1.05E-02	6.22E-03	5.16E-03
31	564328.94	4191246.77	5.35E-02	8.58E-03	5.06E-03	4.20E-03
32	564367.51	4191246.54	7.90E-02	1.27E-02	7.48E-03	6.20E-03
33	564382.35	4191255.86	1.00E-01	1.61E-02	9.50E-03	7.87E-03
34	564350.26	4191240.23	6.30E-02	1.01E-02	5.96E-03	4.94E-03
35	564340.43	4191238.57	5.47E-02	8.78E-03	5.18E-03	4.29E-03
36	564330.6	4191236.91	4.59E-02	7.37E-03	4.35E-03	3.60E-03
37	564370.1	4191237.27	6.54E-02	1.05E-02	6.19E-03	5.13E-03
38	564378.45	4191242.51	7.32E-02	1.17E-02	6.93E-03	5.74E-03
39	564386.8	4191247.75	8.21E-02	1.32E-02	7.77E-03	6.44E-03
40	564431.11	4191316.75	1.65E-01	2.64E-02	1.56E-02	1.29E-02
41	564433.29	4191326.36	1.29E-01	2.07E-02	1.22E-02	1.01E-02
42	564361.76	4191232.03	5.75E-02	9.22E-03	5.44E-03	4.51E-03
43	564351.93	4191230.37	5.22E-02	8.37E-03	4.94E-03	4.10E-03
44	564342.1	4191228.71	4.62E-02	7.41E-03	4.37E-03	3.63E-03
45	564332.27	4191227.05	3.98E-02	6.39E-03	3.77E-03	3.12E-03
46	564371.54	4191227.26	5.43E-02	8.71E-03	5.14E-03	4.26E-03
47	564379.65	4191232.35	5.98E-02	9.60E-03	5.67E-03	4.70E-03

48	564387.76	4191237.45	6.56E-02	1.05E-02	6.21E-03	5.15E-03
49	564436.84	4191300.29	1.68E-01	2.69E-02	1.59E-02	1.32E-02
50	564438.96	4191309.63	1.53E-01	2.46E-02	1.45E-02	1.20E-02
51	564441.08	4191318.97	1.27E-01	2.04E-02	1.21E-02	1.00E-02
52	564443.21	4191328.32	9.87E-02	1.58E-02	9.34E-03	7.74E-03
53	564363.42	4191222.17	4.83E-02	7.75E-03	4.57E-03	3.79E-03
54	564353.59	4191220.51	4.42E-02	7.09E-03	4.19E-03	3.47E-03
55	564343.76	4191218.85	3.96E-02	6.36E-03	3.75E-03	3.11E-03
56	564333.93	4191217.19	3.47E-02	5.56E-03	3.28E-03	2.72E-03
57	564373.02	4191217.29	4.59E-02	7.37E-03	4.35E-03	3.60E-03
58	564380.95	4191222.27	5.01E-02	8.04E-03	4.74E-03	3.93E-03
59	564388.89	4191227.25	5.41E-02	8.68E-03	5.12E-03	4.24E-03
60	564438.57	4191266.27	1.05E-01	1.68E-02	9.92E-03	8.22E-03
61	564446.88	4191302.81	1.38E-01	2.22E-02	1.31E-02	1.09E-02
62	564448.96	4191311.94	1.21E-01	1.95E-02	1.15E-02	9.52E-03
63	564451.04	4191321.08	9.84E-02	1.58E-02	9.32E-03	7.72E-03
64	564453.11	4191330.21	7.64E-02	1.23E-02	7.23E-03	5.99E-03
65	564365.09	4191212.31	4.14E-02	6.64E-03	3.92E-03	3.24E-03
66	564355.26	4191210.65	3.81E-02	6.12E-03	3.61E-03	2.99E-03
67	564345.43	4191208.99	3.45E-02	5.53E-03	3.26E-03	2.70E-03
68	564335.6	4191207.33	3.05E-02	4.89E-03	2.89E-03	2.39E-03
69	564374.54	4191207.34	3.94E-02	6.32E-03	3.73E-03	3.09E-03
70	564382.33	4191212.23	4.27E-02	6.84E-03	4.04E-03	3.35E-03
71	564390.12	4191217.12	4.56E-02	7.32E-03	4.32E-03	3.58E-03
72	564397.91	4191222.01	4.86E-02	7.80E-03	4.60E-03	3.81E-03
73	564436.86	4191246.46	7.19E-02	1.15E-02	6.81E-03	5.64E-03
74	564446.69	4191260.32	8.82E-02	1.41E-02	8.35E-03	6.92E-03
75	564448.73	4191269.29	1.01E-01	1.63E-02	9.60E-03	7.96E-03
76	564456.89	4191305.16	1.13E-01	1.81E-02	1.07E-02	8.83E-03
77	564458.93	4191314.13	9.57E-02	1.54E-02	9.06E-03	7.51E-03
78	564463.01	4191332.07	6.04E-02	9.69E-03	5.72E-03	4.74E-03
79	564366.75	4191202.45	3.58E-02	5.75E-03	3.39E-03	2.81E-03
80	564356.92	4191200.79	3.33E-02	5.34E-03	3.15E-03	2.61E-03
81	564347.09	4191199.13	3.03E-02	4.86E-03	2.87E-03	2.38E-03
82	564337.26	4191197.47	2.70E-02	4.34E-03	2.56E-03	2.12E-03
83	564376.86	4191197.88	3.45E-02	5.53E-03	3.26E-03	2.70E-03
84	564385.29	4191203.18	3.73E-02	5.99E-03	3.53E-03	2.93E-03
85	564393.73	4191208.48	3.98E-02	6.39E-03	3.77E-03	3.12E-03
86	564444.37	4191240.27	6.21E-02	9.97E-03	5.88E-03	4.88E-03
87	564455.02	4191255.28	7.63E-02	1.22E-02	7.22E-03	5.98E-03
88	564457.23	4191265	8.78E-02	1.41E-02	8.31E-03	6.89E-03
89	564459.44	4191274.71	9.89E-02	1.59E-02	9.36E-03	7.76E-03
90	564466.06	4191303.86	9.63E-02	1.55E-02	9.12E-03	7.56E-03
91	564468.27	4191313.58	8.07E-02	1.29E-02	7.64E-03	6.33E-03
92	564470.48	4191323.29	6.38E-02	1.02E-02	6.04E-03	5.01E-03
93	564472.69	4191333.01	4.98E-02	7.99E-03	4.72E-03	3.91E-03
94	564368.42	4191192.58	3.14E-02	5.03E-03	2.97E-03	2.46E-03
95	564358.59	4191190.92	2.93E-02	4.70E-03	2.77E-03	2.30E-03
96	564348.76	4191189.26	2.69E-02	4.31E-03	2.55E-03	2.11E-03
97	564338.93	4191187.6	2.43E-02	3.90E-03	2.30E-03	1.91E-03
98	564378.34	4191187.91	3.02E-02	4.84E-03	2.86E-03	2.37E-03
99	564386.61	4191193.1	3.25E-02	5.22E-03	3.08E-03	2.55E-03

100	564394.87	4191198.28	3.45E-02	5.54E-03	3.27E-03	2.71E-03
101	564444.44	4191229.4	5.12E-02	8.21E-03	4.84E-03	4.01E-03
102	564452.7	4191234.59	5.48E-02	8.79E-03	5.18E-03	4.30E-03
103	564463.13	4191249.29	6.59E-02	1.06E-02	6.24E-03	5.17E-03
104	564465.29	4191258.8	7.48E-02	1.20E-02	7.08E-03	5.87E-03
105	564467.45	4191268.31	8.40E-02	1.35E-02	7.96E-03	6.59E-03
106	564476.11	4191306.36	7.82E-02	1.26E-02	7.41E-03	6.14E-03
107	564478.27	4191315.88	6.44E-02	1.03E-02	6.10E-03	5.05E-03
108	564480.43	4191325.39	5.12E-02	8.21E-03	4.84E-03	4.01E-03
109	564482.6	4191334.9	4.08E-02	6.55E-03	3.87E-03	3.20E-03
110	564370.08	4191182.72	2.77E-02	4.44E-03	2.62E-03	2.17E-03
111	564360.25	4191181.06	2.60E-02	4.17E-03	2.46E-03	2.04E-03
112	564350.42	4191179.4	2.41E-02	3.86E-03	2.28E-03	1.89E-03
113	564340.59	4191177.74	2.19E-02	3.52E-03	2.08E-03	1.72E-03
114	564379.86	4191177.96	2.67E-02	4.28E-03	2.53E-03	2.09E-03
115	564387.98	4191183.05	2.87E-02	4.60E-03	2.71E-03	2.25E-03
116	564396.09	4191188.15	3.03E-02	4.87E-03	2.87E-03	2.38E-03
117	564444.78	4191218.71	4.25E-02	6.83E-03	4.03E-03	3.34E-03
118	564452.89	4191223.8	4.58E-02	7.35E-03	4.34E-03	3.59E-03
119	564461.01	4191228.9	4.87E-02	7.82E-03	4.61E-03	3.82E-03
120	564471.25	4191243.34	5.77E-02	9.25E-03	5.46E-03	4.52E-03
121	564473.37	4191252.68	6.47E-02	1.04E-02	6.12E-03	5.08E-03
122	564475.49	4191262.02	7.21E-02	1.16E-02	6.83E-03	5.66E-03
123	564477.62	4191271.36	7.87E-02	1.26E-02	7.45E-03	6.18E-03
124	564486.12	4191308.73	6.36E-02	1.02E-02	6.02E-03	4.99E-03
125	564488.24	4191318.07	5.20E-02	8.34E-03	4.92E-03	4.08E-03
126	564490.37	4191327.42	4.17E-02	6.70E-03	3.95E-03	3.27E-03
127	564492.49	4191336.76	3.41E-02	5.47E-03	3.23E-03	2.67E-03
128	564371.75	4191172.86	2.47E-02	3.95E-03	2.33E-03	1.93E-03
129	564361.92	4191171.2	2.33E-02	3.73E-03	2.20E-03	1.83E-03
130	564352.09	4191169.54	2.17E-02	3.48E-03	2.05E-03	1.70E-03
131	564342.26	4191167.88	1.99E-02	3.20E-03	1.89E-03	1.56E-03
132	564405.37	4191183.07	2.82E-02	4.52E-03	2.67E-03	2.21E-03
133	564445.32	4191208.14	3.59E-02	5.75E-03	3.40E-03	2.81E-03
134	564453.31	4191213.16	3.85E-02	6.18E-03	3.65E-03	3.02E-03
135	564461.3	4191218.18	4.12E-02	6.61E-03	3.90E-03	3.23E-03
136	564469.29	4191223.19	4.36E-02	7.00E-03	4.13E-03	3.42E-03
137	564479.37	4191237.41	5.08E-02	8.16E-03	4.81E-03	3.99E-03
138	564481.46	4191246.6	5.66E-02	9.08E-03	5.36E-03	4.44E-03
139	564483.55	4191255.8	6.25E-02	1.00E-02	5.91E-03	4.90E-03
140	564485.64	4191265	6.83E-02	1.10E-02	6.46E-03	5.36E-03
141	564487.74	4191274.2	7.23E-02	1.16E-02	6.85E-03	5.67E-03
142	564496.1	4191311	5.20E-02	8.34E-03	4.92E-03	4.08E-03
143	564498.2	4191320.19	4.25E-02	6.82E-03	4.02E-03	3.33E-03
144	564500.29	4191329.39	3.46E-02	5.55E-03	3.28E-03	2.72E-03
145	564502.38	4191338.59	2.89E-02	4.63E-03	2.73E-03	2.27E-03
146	564382.96	4191158.09	2.14E-02	3.43E-03	2.02E-03	1.68E-03
147	564390.84	4191163.04	2.28E-02	3.65E-03	2.15E-03	1.79E-03
148	564446.02	4191197.68	3.07E-02	4.93E-03	2.91E-03	2.41E-03
149	564453.9	4191202.63	3.28E-02	5.26E-03	3.11E-03	2.57E-03
150	564461.79	4191207.58	3.51E-02	5.62E-03	3.32E-03	2.75E-03
151	564469.67	4191212.53	3.73E-02	5.98E-03	3.53E-03	2.92E-03

152	564477.55	4191217.47	3.91E-02	6.28E-03	3.70E-03	3.07E-03
153	564487.5	4191231.5	4.51E-02	7.24E-03	4.27E-03	3.54E-03
154	564489.56	4191240.57	4.99E-02	8.00E-03	4.72E-03	3.91E-03
155	564491.63	4191249.65	5.48E-02	8.79E-03	5.19E-03	4.30E-03
156	564493.69	4191258.72	5.96E-02	9.56E-03	5.64E-03	4.68E-03
157	564495.75	4191267.8	6.36E-02	1.02E-02	6.02E-03	4.99E-03
158	564497.82	4191276.88	6.53E-02	1.05E-02	6.18E-03	5.13E-03
159	564506.07	4191313.18	4.28E-02	6.87E-03	4.06E-03	3.36E-03
160	564508.14	4191322.25	3.52E-02	5.64E-03	3.33E-03	2.76E-03
161	564510.2	4191331.33	2.91E-02	4.66E-03	2.75E-03	2.28E-03
162	564512.26	4191340.4	2.47E-02	3.96E-03	2.34E-03	1.94E-03
163	564375.08	4191153.14	1.99E-02	3.19E-03	1.88E-03	1.56E-03
164	564365.25	4191151.48	1.89E-02	3.04E-03	1.79E-03	1.49E-03
165	564355.42	4191149.82	1.79E-02	2.87E-03	1.69E-03	1.40E-03
166	564345.59	4191148.16	1.67E-02	2.67E-03	1.58E-03	1.31E-03
167	564385.09	4191148.52	1.93E-02	3.10E-03	1.83E-03	1.52E-03
168	564393.44	4191153.76	2.07E-02	3.31E-03	1.96E-03	1.62E-03
169	564451.86	4191190.44	2.78E-02	4.45E-03	2.63E-03	2.18E-03
170	564460.21	4191195.68	2.96E-02	4.74E-03	2.80E-03	2.32E-03
171	564468.55	4191200.92	3.16E-02	5.07E-03	2.99E-03	2.48E-03
172	564476.9	4191206.16	3.35E-02	5.37E-03	3.17E-03	2.63E-03
173	564485.24	4191211.4	3.51E-02	5.63E-03	3.32E-03	2.75E-03
174	564495.78	4191226.25	4.06E-02	6.52E-03	3.85E-03	3.19E-03
175	564497.96	4191235.86	4.49E-02	7.20E-03	4.25E-03	3.52E-03
176	564500.15	4191245.47	4.93E-02	7.92E-03	4.67E-03	3.87E-03
177	564502.33	4191255.07	5.36E-02	8.60E-03	5.07E-03	4.20E-03
178	564504.52	4191264.68	5.72E-02	9.17E-03	5.41E-03	4.48E-03
179	564506.7	4191274.29	5.86E-02	9.40E-03	5.55E-03	4.60E-03
180	564508.89	4191283.9	5.70E-02	9.14E-03	5.39E-03	4.47E-03
181	564515.44	4191312.73	3.76E-02	6.03E-03	3.56E-03	2.95E-03
182	564517.63	4191322.34	3.07E-02	4.92E-03	2.90E-03	2.41E-03
183	564519.81	4191331.95	2.51E-02	4.02E-03	2.37E-03	1.97E-03
184	564522	4191341.56	2.14E-02	3.43E-03	2.02E-03	1.68E-03
185	564376.74	4191143.28	1.80E-02	2.89E-03	1.70E-03	1.41E-03
186	564366.91	4191141.62	1.72E-02	2.76E-03	1.63E-03	1.35E-03
187	564357.08	4191139.96	1.63E-02	2.62E-03	1.55E-03	1.28E-03
188	564347.25	4191138.3	1.53E-02	2.46E-03	1.45E-03	1.20E-03
189	564386.63	4191138.58	1.75E-02	2.81E-03	1.66E-03	1.37E-03
190	564394.85	4191143.75	1.87E-02	3.00E-03	1.77E-03	1.47E-03
191	564477.08	4191195.37	2.89E-02	4.64E-03	2.74E-03	2.27E-03
192	564485.3	4191200.53	3.04E-02	4.88E-03	2.88E-03	2.38E-03
193	564493.52	4191205.69	3.17E-02	5.09E-03	3.00E-03	2.49E-03
194	564503.9	4191220.32	3.63E-02	5.83E-03	3.44E-03	2.85E-03
195	564506.05	4191229.79	4.01E-02	6.43E-03	3.79E-03	3.15E-03
196	564508.21	4191239.25	4.38E-02	7.03E-03	4.15E-03	3.44E-03
197	564510.36	4191248.72	4.75E-02	7.62E-03	4.50E-03	3.73E-03
198	564512.51	4191258.19	5.07E-02	8.13E-03	4.80E-03	3.98E-03
199	564514.66	4191267.65	5.27E-02	8.45E-03	4.99E-03	4.13E-03
200	564516.82	4191277.12	5.24E-02	8.40E-03	4.96E-03	4.11E-03
201	564525.43	4191314.99	3.12E-02	5.00E-03	2.95E-03	2.44E-03
202	564527.58	4191324.46	2.56E-02	4.11E-03	2.43E-03	2.01E-03
203	564529.74	4191333.92	2.15E-02	3.44E-03	2.03E-03	1.68E-03

204	564531.89	4191343.39	1.86E-02	2.98E-03	1.76E-03	1.46E-03
205	564378.41	4191133.42	1.64E-02	2.62E-03	1.55E-03	1.28E-03
206	564368.58	4191131.76	1.57E-02	2.52E-03	1.49E-03	1.23E-03
207	564358.75	4191130.1	1.49E-02	2.40E-03	1.41E-03	1.17E-03
208	564348.92	4191128.44	1.41E-02	2.26E-03	1.33E-03	1.11E-03
209	564388.19	4191128.66	1.60E-02	2.56E-03	1.51E-03	1.25E-03
210	564396.3	4191133.75	1.70E-02	2.72E-03	1.61E-03	1.33E-03
211	564453.1	4191169.41	2.17E-02	3.48E-03	2.05E-03	1.70E-03
212	564461.22	4191174.5	2.26E-02	3.63E-03	2.14E-03	1.78E-03
213	564469.33	4191179.6	2.38E-02	3.82E-03	2.26E-03	1.87E-03
214	564501.79	4191199.97	2.88E-02	4.62E-03	2.72E-03	2.26E-03
215	564512.03	4191214.41	3.27E-02	5.25E-03	3.10E-03	2.57E-03
216	564514.15	4191223.75	3.59E-02	5.76E-03	3.40E-03	2.82E-03
217	564516.28	4191233.09	3.92E-02	6.29E-03	3.71E-03	3.07E-03
218	564518.4	4191242.44	4.24E-02	6.80E-03	4.01E-03	3.33E-03
219	564520.53	4191251.78	4.52E-02	7.26E-03	4.28E-03	3.55E-03
220	564522.65	4191261.12	4.72E-02	7.57E-03	4.47E-03	3.70E-03
221	564524.78	4191270.46	4.77E-02	7.65E-03	4.51E-03	3.74E-03
222	564526.9	4191279.81	4.60E-02	7.38E-03	4.36E-03	3.61E-03
223	564535.4	4191317.18	2.63E-02	4.22E-03	2.49E-03	2.06E-03
224	564537.52	4191326.52	2.19E-02	3.51E-03	2.07E-03	1.72E-03
225	564539.65	4191335.86	1.86E-02	2.99E-03	1.76E-03	1.46E-03
226	564541.77	4191345.2	1.64E-02	2.63E-03	1.55E-03	1.29E-03
227	564380.07	4191123.56	1.50E-02	2.40E-03	1.42E-03	1.18E-03
228	564370.24	4191121.9	1.44E-02	2.31E-03	1.36E-03	1.13E-03
229	564360.41	4191120.24	1.37E-02	2.20E-03	1.30E-03	1.08E-03
230	564350.58	4191118.58	1.30E-02	2.08E-03	1.23E-03	1.02E-03
231	564389.76	4191118.74	1.46E-02	2.35E-03	1.39E-03	1.15E-03
232	564397.78	4191123.77	1.55E-02	2.49E-03	1.47E-03	1.22E-03
233	564453.91	4191159.01	1.95E-02	3.13E-03	1.84E-03	1.53E-03
234	564461.93	4191164.04	2.02E-02	3.23E-03	1.91E-03	1.58E-03
235	564469.95	4191169.08	2.10E-02	3.37E-03	1.99E-03	1.65E-03
236	564477.97	4191174.11	2.21E-02	3.54E-03	2.09E-03	1.73E-03
237	564485.98	4191179.15	2.32E-02	3.72E-03	2.19E-03	1.82E-03
238	564520.16	4191208.51	2.96E-02	4.74E-03	2.80E-03	2.32E-03
239	564522.26	4191217.75	3.23E-02	5.19E-03	3.06E-03	2.54E-03
240	564524.36	4191226.98	3.52E-02	5.65E-03	3.34E-03	2.76E-03
241	564526.46	4191236.21	3.80E-02	6.10E-03	3.60E-03	2.98E-03
242	564528.56	4191245.44	4.06E-02	6.51E-03	3.84E-03	3.18E-03
243	564530.66	4191254.68	4.24E-02	6.81E-03	4.02E-03	3.33E-03
244	564532.76	4191263.91	4.34E-02	6.96E-03	4.11E-03	3.40E-03
245	564534.86	4191273.14	4.27E-02	6.86E-03	4.05E-03	3.35E-03
246	564536.96	4191282.37	4.03E-02	6.46E-03	3.81E-03	3.16E-03
247	564545.36	4191319.3	2.24E-02	3.59E-03	2.12E-03	1.76E-03
248	564547.46	4191328.54	1.89E-02	3.03E-03	1.79E-03	1.48E-03
249	564549.55	4191337.77	1.64E-02	2.62E-03	1.55E-03	1.28E-03
250	564551.65	4191347	1.46E-02	2.35E-03	1.38E-03	1.15E-03
251	564381.74	4191113.7	1.38E-02	2.21E-03	1.30E-03	1.08E-03
252	564371.91	4191112.04	1.33E-02	2.13E-03	1.25E-03	1.04E-03
253	564362.08	4191110.38	1.27E-02	2.03E-03	1.20E-03	9.93E-04
254	564352.25	4191108.72	1.20E-02	1.92E-03	1.14E-03	9.41E-04
255	564391.8	4191109.12	1.35E-02	2.17E-03	1.28E-03	1.06E-03

256	564400.2	4191114.39	1.43E-02	2.30E-03	1.36E-03	1.12E-03
257	564450.61	4191146.03	1.75E-02	2.80E-03	1.65E-03	1.37E-03
258	564459.01	4191151.31	1.79E-02	2.87E-03	1.69E-03	1.40E-03
259	564467.41	4191156.58	1.85E-02	2.96E-03	1.75E-03	1.45E-03
260	564475.81	4191161.85	1.92E-02	3.09E-03	1.82E-03	1.51E-03
261	564484.21	4191167.13	2.02E-02	3.24E-03	1.91E-03	1.58E-03
262	564492.61	4191172.4	2.12E-02	3.40E-03	2.00E-03	1.66E-03
263	564501.02	4191177.68	2.22E-02	3.56E-03	2.10E-03	1.74E-03
264	564509.42	4191182.95	2.31E-02	3.71E-03	2.19E-03	1.81E-03
265	564528.42	4191203.17	2.70E-02	4.33E-03	2.56E-03	2.12E-03
266	564530.62	4191212.84	2.95E-02	4.73E-03	2.79E-03	2.32E-03
267	564532.82	4191222.51	3.22E-02	5.16E-03	3.05E-03	2.52E-03
268	564535.02	4191232.18	3.48E-02	5.58E-03	3.29E-03	2.73E-03
269	564537.22	4191241.86	3.72E-02	5.97E-03	3.52E-03	2.92E-03
270	564539.42	4191251.53	3.90E-02	6.26E-03	3.69E-03	3.06E-03
271	564541.61	4191261.2	3.98E-02	6.39E-03	3.77E-03	3.12E-03
272	564543.81	4191270.87	3.91E-02	6.27E-03	3.70E-03	3.07E-03
273	564546.01	4191280.55	3.66E-02	5.87E-03	3.47E-03	2.87E-03
274	564548.21	4191290.22	3.28E-02	5.26E-03	3.11E-03	2.57E-03
275	564554.81	4191319.23	2.00E-02	3.22E-03	1.90E-03	1.57E-03
276	564557.01	4191328.91	1.69E-02	2.72E-03	1.60E-03	1.33E-03
277	564559.21	4191338.58	1.47E-02	2.36E-03	1.39E-03	1.15E-03
278	564383.4	4191103.84	1.27E-02	2.04E-03	1.21E-03	9.99E-04
279	564373.57	4191102.18	1.23E-02	1.97E-03	1.16E-03	9.62E-04
280	564363.74	4191100.52	1.17E-02	1.88E-03	1.11E-03	9.21E-04
281	564353.91	4191098.86	1.12E-02	1.79E-03	1.06E-03	8.76E-04
282	564393.36	4191099.19	1.25E-02	2.00E-03	1.18E-03	9.80E-04
283	564401.66	4191104.4	1.32E-02	2.12E-03	1.25E-03	1.03E-03
284	564451.43	4191135.64	1.60E-02	2.56E-03	1.51E-03	1.25E-03
285	564459.72	4191140.85	1.63E-02	2.61E-03	1.54E-03	1.28E-03
286	564468.02	4191146.05	1.67E-02	2.68E-03	1.58E-03	1.31E-03
287	564476.31	4191151.26	1.72E-02	2.76E-03	1.63E-03	1.35E-03
288	564484.61	4191156.47	1.79E-02	2.88E-03	1.70E-03	1.41E-03
289	564492.9	4191161.68	1.88E-02	3.01E-03	1.78E-03	1.47E-03
290	564501.2	4191166.88	1.96E-02	3.15E-03	1.86E-03	1.54E-03
291	564509.49	4191172.09	2.05E-02	3.29E-03	1.94E-03	1.61E-03
292	564517.78	4191177.3	2.13E-02	3.42E-03	2.02E-03	1.67E-03
293	564526.08	4191182.5	2.20E-02	3.53E-03	2.08E-03	1.73E-03
294	564538.72	4191206.81	2.68E-02	4.30E-03	2.53E-03	2.10E-03
295	564540.89	4191216.36	2.91E-02	4.66E-03	2.75E-03	2.28E-03
296	564543.06	4191225.91	3.15E-02	5.05E-03	2.98E-03	2.47E-03
297	564545.23	4191235.46	3.37E-02	5.40E-03	3.19E-03	2.64E-03
298	564547.41	4191245.01	3.55E-02	5.69E-03	3.36E-03	2.78E-03
299	564549.58	4191254.56	3.66E-02	5.87E-03	3.46E-03	2.87E-03
300	564551.75	4191264.11	3.64E-02	5.85E-03	3.45E-03	2.86E-03
301	564553.92	4191273.66	3.49E-02	5.59E-03	3.30E-03	2.73E-03
302	564556.09	4191283.21	3.19E-02	5.12E-03	3.02E-03	2.50E-03
303	564564.78	4191321.41	1.73E-02	2.78E-03	1.64E-03	1.36E-03
304	564385.07	4191093.98	1.18E-02	1.89E-03	1.12E-03	9.26E-04
305	564375.24	4191092.32	1.14E-02	1.83E-03	1.08E-03	8.94E-04
306	564365.41	4191090.66	1.09E-02	1.76E-03	1.04E-03	8.59E-04
307	564355.58	4191089	1.04E-02	1.67E-03	9.88E-04	8.19E-04

308	564394.93	4191089.27	1.16E-02	1.86E-03	1.10E-03	9.09E-04
309	564403.13	4191094.42	1.22E-02	1.96E-03	1.15E-03	9.56E-04
310	564452.33	4191125.3	1.47E-02	2.36E-03	1.39E-03	1.15E-03
311	564460.53	4191130.45	1.49E-02	2.40E-03	1.41E-03	1.17E-03
312	564468.73	4191135.6	1.52E-02	2.44E-03	1.44E-03	1.19E-03
313	564476.93	4191140.74	1.56E-02	2.50E-03	1.48E-03	1.22E-03
314	564485.13	4191145.89	1.61E-02	2.58E-03	1.53E-03	1.26E-03
315	564493.33	4191151.04	1.68E-02	2.69E-03	1.59E-03	1.31E-03
316	564501.53	4191156.19	1.75E-02	2.80E-03	1.65E-03	1.37E-03
317	564509.73	4191161.34	1.82E-02	2.93E-03	1.73E-03	1.43E-03
318	564517.93	4191166.48	1.90E-02	3.04E-03	1.80E-03	1.49E-03
319	564526.13	4191171.63	1.97E-02	3.15E-03	1.86E-03	1.54E-03
320	564534.33	4191176.78	2.03E-02	3.25E-03	1.92E-03	1.59E-03
321	564548.97	4191210.25	2.64E-02	4.23E-03	2.50E-03	2.07E-03
322	564551.12	4191219.69	2.84E-02	4.56E-03	2.69E-03	2.23E-03
323	564553.27	4191229.13	3.05E-02	4.89E-03	2.88E-03	2.39E-03
324	564555.41	4191238.57	3.23E-02	5.17E-03	3.05E-03	2.53E-03
325	564557.56	4191248.01	3.35E-02	5.38E-03	3.17E-03	2.63E-03
326	564559.71	4191257.45	3.39E-02	5.44E-03	3.21E-03	2.66E-03
327	564561.85	4191266.89	3.30E-02	5.29E-03	3.12E-03	2.59E-03
328	564564	4191276.33	3.08E-02	4.95E-03	2.92E-03	2.42E-03
329	564566.15	4191285.77	2.78E-02	4.45E-03	2.63E-03	2.18E-03
330	564386.73	4191084.12	1.10E-02	1.76E-03	1.04E-03	8.61E-04
331	564376.9	4191082.46	1.06E-02	1.70E-03	1.01E-03	8.33E-04
332	564367.07	4191080.8	1.02E-02	1.64E-03	9.68E-04	8.02E-04
333	564357.24	4191079.14	9.79E-03	1.57E-03	9.26E-04	7.68E-04
334	564404.63	4191084.45	1.13E-02	1.81E-03	1.07E-03	8.86E-04
335	564453.31	4191115.01	1.36E-02	2.18E-03	1.29E-03	1.07E-03
336	564461.43	4191120.11	1.38E-02	2.21E-03	1.30E-03	1.08E-03
337	564469.54	4191125.2	1.40E-02	2.24E-03	1.32E-03	1.10E-03
338	564477.66	4191130.29	1.42E-02	2.29E-03	1.35E-03	1.12E-03
339	564485.77	4191135.39	1.46E-02	2.34E-03	1.38E-03	1.15E-03
340	564493.89	4191140.48	1.51E-02	2.42E-03	1.43E-03	1.18E-03
341	564502	4191145.58	1.57E-02	2.51E-03	1.48E-03	1.23E-03
342	564510.12	4191150.67	1.63E-02	2.62E-03	1.55E-03	1.28E-03
343	564518.23	4191155.76	1.70E-02	2.73E-03	1.61E-03	1.33E-03
344	564526.34	4191160.86	1.76E-02	2.83E-03	1.67E-03	1.38E-03
345	564534.46	4191165.95	1.82E-02	2.92E-03	1.72E-03	1.43E-03
346	564542.57	4191171.05	1.87E-02	3.00E-03	1.77E-03	1.47E-03
347	564552.81	4191185.48	2.06E-02	3.30E-03	1.95E-03	1.61E-03
348	564559.19	4191213.51	2.58E-02	4.14E-03	2.44E-03	2.02E-03
349	564561.31	4191222.85	2.76E-02	4.43E-03	2.62E-03	2.17E-03
350	564563.44	4191232.2	2.93E-02	4.71E-03	2.78E-03	2.30E-03
351	564565.56	4191241.54	3.07E-02	4.92E-03	2.90E-03	2.41E-03
352	564567.68	4191250.88	3.13E-02	5.02E-03	2.97E-03	2.46E-03
353	564569.81	4191260.22	3.10E-02	4.97E-03	2.93E-03	2.43E-03
354	564571.93	4191269.56	2.95E-02	4.74E-03	2.80E-03	2.32E-03
355	564588.93	4191344.3	1.07E-02	1.72E-03	1.01E-03	8.40E-04
356	564591.05	4191353.65	9.91E-03	1.59E-03	9.38E-04	7.78E-04
357	564457.58	4191106.78	1.27E-02	2.03E-03	1.20E-03	9.95E-04
358	564466.01	4191112.08	1.28E-02	2.06E-03	1.22E-03	1.01E-03
359	564474.45	4191117.38	1.30E-02	2.09E-03	1.23E-03	1.02E-03

360	564482.89	4191122.68	1.33E-02	2.13E-03	1.26E-03	1.04E-03
361	564491.33	4191127.97	1.36E-02	2.18E-03	1.29E-03	1.07E-03
362	564499.77	4191133.27	1.40E-02	2.25E-03	1.33E-03	1.10E-03
363	564508.21	4191138.57	1.45E-02	2.33E-03	1.38E-03	1.14E-03
364	564516.65	4191143.87	1.52E-02	2.43E-03	1.44E-03	1.19E-03
365	564525.09	4191149.16	1.58E-02	2.54E-03	1.50E-03	1.24E-03
366	564533.53	4191154.46	1.64E-02	2.63E-03	1.55E-03	1.29E-03
367	564541.97	4191159.76	1.69E-02	2.71E-03	1.60E-03	1.33E-03
368	564550.41	4191165.06	1.73E-02	2.78E-03	1.64E-03	1.36E-03
369	564561.05	4191180.07	1.90E-02	3.05E-03	1.80E-03	1.49E-03
370	564563.26	4191189.79	2.06E-02	3.30E-03	1.95E-03	1.61E-03
371	564569.89	4191218.94	2.56E-02	4.10E-03	2.42E-03	2.00E-03
372	564572.1	4191228.65	2.71E-02	4.35E-03	2.57E-03	2.13E-03
373	564574.31	4191238.37	2.83E-02	4.55E-03	2.68E-03	2.22E-03
374	564576.52	4191248.08	2.89E-02	4.64E-03	2.74E-03	2.27E-03
375	564594.2	4191325.81	1.22E-02	1.96E-03	1.16E-03	9.59E-04
376	564596.41	4191335.53	1.08E-02	1.74E-03	1.02E-03	8.49E-04
377	564598.62	4191345.25	9.82E-03	1.57E-03	9.29E-04	7.70E-04
378	564600.83	4191354.96	9.10E-03	1.46E-03	8.61E-04	7.14E-04
379	564370.4	4191061.08	9.00E-03	1.44E-03	8.52E-04	7.06E-04
380	564360.57	4191059.42	8.65E-03	1.39E-03	8.19E-04	6.79E-04
381	564400.07	4191059.78	9.39E-03	1.51E-03	8.88E-04	7.36E-04
382	564408.42	4191065.02	9.83E-03	1.58E-03	9.31E-04	7.71E-04
383	564458.5	4191096.46	1.18E-02	1.90E-03	1.12E-03	9.29E-04
384	564466.85	4191101.7	1.20E-02	1.92E-03	1.13E-03	9.38E-04
385	564475.19	4191106.94	1.21E-02	1.94E-03	1.14E-03	9.47E-04
386	564483.54	4191112.17	1.23E-02	1.97E-03	1.16E-03	9.62E-04
387	564491.88	4191117.41	1.25E-02	2.01E-03	1.18E-03	9.81E-04
388	564500.23	4191122.65	1.28E-02	2.06E-03	1.21E-03	1.01E-03
389	564508.58	4191127.89	1.32E-02	2.12E-03	1.25E-03	1.04E-03
390	564516.92	4191133.13	1.37E-02	2.20E-03	1.30E-03	1.08E-03
391	564525.27	4191138.37	1.43E-02	2.29E-03	1.35E-03	1.12E-03
392	564533.62	4191143.61	1.48E-02	2.38E-03	1.41E-03	1.16E-03
393	564541.96	4191148.85	1.53E-02	2.46E-03	1.45E-03	1.20E-03
394	564550.31	4191154.09	1.58E-02	2.53E-03	1.49E-03	1.24E-03
395	564558.65	4191159.33	1.60E-02	2.56E-03	1.51E-03	1.25E-03
396	564569.19	4191174.18	1.76E-02	2.82E-03	1.67E-03	1.38E-03
397	564571.37	4191183.79	1.90E-02	3.04E-03	1.79E-03	1.49E-03
398	564573.56	4191193.4	2.04E-02	3.27E-03	1.93E-03	1.60E-03
399	564577.93	4191212.62	2.33E-02	3.74E-03	2.21E-03	1.83E-03
400	564580.11	4191222.23	2.48E-02	3.97E-03	2.34E-03	1.94E-03
401	564591.04	4191270.27	2.44E-02	3.91E-03	2.31E-03	1.91E-03
402	564593.22	4191279.88	2.22E-02	3.56E-03	2.10E-03	1.74E-03
403	564595.41	4191289.49	1.96E-02	3.14E-03	1.85E-03	1.54E-03
404	564597.6	4191299.1	1.69E-02	2.71E-03	1.60E-03	1.32E-03
405	564604.15	4191327.93	1.09E-02	1.75E-03	1.03E-03	8.56E-04
406	564606.34	4191337.54	9.77E-03	1.57E-03	9.24E-04	7.66E-04
407	564391.73	4191054.54	8.96E-03	1.44E-03	8.48E-04	7.03E-04
408	564381.9	4191052.88	8.73E-03	1.40E-03	8.27E-04	6.85E-04
409	564372.07	4191051.22	8.46E-03	1.36E-03	8.01E-04	6.64E-04
410	564362.24	4191049.56	8.16E-03	1.31E-03	7.73E-04	6.40E-04
411	564401.66	4191049.87	8.78E-03	1.41E-03	8.31E-04	6.89E-04

412	564467.75	4191091.36	1.12E-02	1.80E-03	1.06E-03	8.79E-04
413	564476.01	4191096.55	1.13E-02	1.81E-03	1.07E-03	8.86E-04
414	564484.28	4191101.73	1.14E-02	1.83E-03	1.08E-03	8.96E-04
415	564492.54	4191106.92	1.16E-02	1.86E-03	1.10E-03	9.10E-04
416	564500.8	4191112.11	1.18E-02	1.90E-03	1.12E-03	9.29E-04
417	564509.06	4191117.29	1.21E-02	1.95E-03	1.15E-03	9.52E-04
418	564517.32	4191122.48	1.25E-02	2.01E-03	1.19E-03	9.82E-04
419	564525.59	4191127.67	1.30E-02	2.08E-03	1.23E-03	1.02E-03
420	564533.85	4191132.85	1.35E-02	2.16E-03	1.28E-03	1.06E-03
421	564542.11	4191138.04	1.39E-02	2.24E-03	1.32E-03	1.09E-03
422	564550.37	4191143.23	1.44E-02	2.30E-03	1.36E-03	1.13E-03
423	564558.63	4191148.41	1.47E-02	2.36E-03	1.39E-03	1.16E-03
424	564566.9	4191153.6	1.49E-02	2.40E-03	1.41E-03	1.17E-03
425	564577.32	4191168.3	1.64E-02	2.63E-03	1.55E-03	1.29E-03
426	564579.48	4191177.81	1.76E-02	2.82E-03	1.66E-03	1.38E-03
427	564581.65	4191187.32	1.88E-02	3.01E-03	1.78E-03	1.47E-03
428	564596.79	4191253.91	2.45E-02	3.93E-03	2.32E-03	1.92E-03
429	564598.95	4191263.42	2.34E-02	3.75E-03	2.21E-03	1.84E-03
430	564601.12	4191272.93	2.16E-02	3.47E-03	2.05E-03	1.70E-03
431	564603.28	4191282.44	1.95E-02	3.13E-03	1.84E-03	1.53E-03
432	564605.44	4191291.96	1.71E-02	2.74E-03	1.62E-03	1.34E-03
433	564607.61	4191301.47	1.48E-02	2.37E-03	1.40E-03	1.16E-03
434	564393.39	4191044.68	8.41E-03	1.35E-03	7.96E-04	6.59E-04
435	564383.56	4191043.02	8.21E-03	1.32E-03	7.77E-04	6.44E-04
436	564373.73	4191041.36	7.97E-03	1.28E-03	7.54E-04	6.25E-04
437	564363.9	4191039.7	7.69E-03	1.23E-03	7.28E-04	6.03E-04
438	564403.24	4191039.96	8.24E-03	1.32E-03	7.80E-04	6.46E-04
439	564493.28	4191096.48	1.08E-02	1.73E-03	1.02E-03	8.47E-04
440	564501.46	4191101.62	1.10E-02	1.76E-03	1.04E-03	8.61E-04
441	564509.65	4191106.76	1.12E-02	1.80E-03	1.06E-03	8.79E-04
442	564517.83	4191111.89	1.15E-02	1.84E-03	1.09E-03	9.01E-04
443	564526.02	4191117.03	1.18E-02	1.90E-03	1.12E-03	9.29E-04
444	564534.2	4191122.17	1.22E-02	1.96E-03	1.16E-03	9.61E-04
445	564542.39	4191127.31	1.27E-02	2.03E-03	1.20E-03	9.93E-04
446	564550.57	4191132.45	1.31E-02	2.10E-03	1.24E-03	1.03E-03
447	564558.76	4191137.59	1.35E-02	2.16E-03	1.28E-03	1.06E-03
448	564566.94	4191142.72	1.38E-02	2.21E-03	1.31E-03	1.08E-03
449	564575.13	4191147.86	1.40E-02	2.24E-03	1.32E-03	1.10E-03
450	564585.46	4191162.42	1.53E-02	2.46E-03	1.45E-03	1.20E-03
451	564600.46	4191228.39	2.27E-02	3.64E-03	2.15E-03	1.78E-03
452	564602.6	4191237.81	2.31E-02	3.71E-03	2.19E-03	1.82E-03
453	564604.75	4191247.24	2.30E-02	3.69E-03	2.18E-03	1.81E-03
454	564606.89	4191256.66	2.23E-02	3.58E-03	2.11E-03	1.75E-03
455	564609.03	4191266.08	2.10E-02	3.37E-03	1.99E-03	1.65E-03
456	564611.17	4191275.51	1.92E-02	3.08E-03	1.82E-03	1.51E-03
457	564613.32	4191284.93	1.71E-02	2.75E-03	1.62E-03	1.35E-03
458	564615.46	4191294.35	1.50E-02	2.41E-03	1.42E-03	1.18E-03
459	564617.6	4191303.78	1.30E-02	2.08E-03	1.23E-03	1.02E-03
460	564626.18	4191341.47	8.09E-03	1.30E-03	7.66E-04	6.35E-04
461	564628.32	4191350.9	7.52E-03	1.21E-03	7.12E-04	5.90E-04
462	564630.46	4191360.32	7.10E-03	1.14E-03	6.72E-04	5.57E-04
463	564395.06	4191034.82	7.90E-03	1.27E-03	7.48E-04	6.20E-04

464	564385.23	4191033.16	7.71E-03	1.24E-03	7.30E-04	6.05E-04
465	564375.4	4191031.5	7.50E-03	1.20E-03	7.10E-04	5.88E-04
466	564365.57	4191029.84	7.25E-03	1.16E-03	6.86E-04	5.69E-04
467	564404.84	4191030.05	7.74E-03	1.24E-03	7.33E-04	6.08E-04
468	564453.53	4191060.62	9.56E-03	1.53E-03	9.05E-04	7.50E-04
469	564461.64	4191065.71	9.74E-03	1.56E-03	9.22E-04	7.64E-04
470	564469.75	4191070.8	9.87E-03	1.58E-03	9.35E-04	7.75E-04
471	564477.87	4191075.9	9.97E-03	1.60E-03	9.44E-04	7.82E-04
472	564518.44	4191101.37	1.06E-02	1.70E-03	1.00E-03	8.31E-04
473	564526.56	4191106.46	1.09E-02	1.74E-03	1.03E-03	8.53E-04
474	564534.67	4191111.56	1.12E-02	1.80E-03	1.06E-03	8.78E-04
475	564542.78	4191116.65	1.15E-02	1.85E-03	1.09E-03	9.06E-04
476	564550.9	4191121.75	1.19E-02	1.91E-03	1.13E-03	9.35E-04
477	564559.01	4191126.84	1.23E-02	1.97E-03	1.16E-03	9.63E-04
478	564567.13	4191131.93	1.26E-02	2.03E-03	1.20E-03	9.91E-04
479	564575.24	4191137.03	1.29E-02	2.08E-03	1.23E-03	1.02E-03
480	564583.36	4191142.12	1.31E-02	2.10E-03	1.24E-03	1.03E-03
481	564608.47	4191221.95	2.10E-02	3.36E-03	1.99E-03	1.65E-03
482	564610.59	4191231.3	2.15E-02	3.45E-03	2.03E-03	1.69E-03
483	564612.72	4191240.64	2.16E-02	3.46E-03	2.04E-03	1.69E-03
484	564614.84	4191249.98	2.12E-02	3.39E-03	2.00E-03	1.66E-03
485	564616.97	4191259.32	2.02E-02	3.24E-03	1.91E-03	1.58E-03
486	564619.09	4191268.67	1.87E-02	3.01E-03	1.77E-03	1.47E-03
487	564621.22	4191278.01	1.70E-02	2.73E-03	1.61E-03	1.33E-03
488	564623.34	4191287.35	1.51E-02	2.43E-03	1.43E-03	1.19E-03
489	564625.46	4191296.69	1.32E-02	2.12E-03	1.25E-03	1.04E-03
490	564627.59	4191306.04	1.15E-02	1.85E-03	1.09E-03	9.04E-04
491	564633.96	4191334.06	8.08E-03	1.30E-03	7.65E-04	6.34E-04
492	564636.09	4191343.41	7.42E-03	1.19E-03	7.02E-04	5.82E-04
493	564638.21	4191352.75	6.93E-03	1.11E-03	6.56E-04	5.44E-04
494	564640.34	4191362.09	6.58E-03	1.06E-03	6.23E-04	5.16E-04
495	564396.72	4191024.96	7.44E-03	1.19E-03	7.04E-04	5.83E-04
496	564386.89	4191023.3	7.26E-03	1.17E-03	6.88E-04	5.70E-04
497	564377.06	4191021.64	7.07E-03	1.13E-03	6.69E-04	5.54E-04
498	564367.23	4191019.98	6.84E-03	1.10E-03	6.48E-04	5.37E-04
499	564406.77	4191020.36	7.31E-03	1.17E-03	6.92E-04	5.74E-04
500	564457.08	4191051.94	9.02E-03	1.45E-03	8.54E-04	7.08E-04
501	564465.47	4191057.21	9.19E-03	1.47E-03	8.70E-04	7.21E-04
502	564473.85	4191062.47	9.32E-03	1.49E-03	8.82E-04	7.31E-04
503	564482.24	4191067.74	9.40E-03	1.51E-03	8.90E-04	7.37E-04
504	564490.62	4191073	9.46E-03	1.52E-03	8.96E-04	7.42E-04
505	564499.01	4191078.26	9.52E-03	1.53E-03	9.01E-04	7.47E-04
506	564507.39	4191083.53	9.61E-03	1.54E-03	9.10E-04	7.54E-04
507	564549.32	4191109.85	1.08E-02	1.73E-03	1.02E-03	8.48E-04
508	564557.7	4191115.11	1.12E-02	1.79E-03	1.06E-03	8.75E-04
509	564566.09	4191120.37	1.15E-02	1.84E-03	1.09E-03	9.02E-04
510	564574.47	4191125.64	1.18E-02	1.90E-03	1.12E-03	9.27E-04
511	564582.86	4191130.9	1.20E-02	1.92E-03	1.14E-03	9.41E-04
512	564591.24	4191136.17	1.23E-02	1.97E-03	1.16E-03	9.62E-04
513	564608.41	4191180.05	1.61E-02	2.58E-03	1.52E-03	1.26E-03
514	564610.61	4191189.7	1.70E-02	2.73E-03	1.61E-03	1.33E-03
515	564612.8	4191199.35	1.79E-02	2.87E-03	1.70E-03	1.41E-03

516	564617.19	4191218.66	1.96E-02	3.15E-03	1.86E-03	1.54E-03
517	564619.39	4191228.31	2.01E-02	3.22E-03	1.90E-03	1.58E-03
518	564621.58	4191237.97	2.02E-02	3.24E-03	1.91E-03	1.58E-03
519	564623.78	4191247.62	1.97E-02	3.17E-03	1.87E-03	1.55E-03
520	564625.97	4191257.28	1.88E-02	3.02E-03	1.78E-03	1.48E-03
521	564628.17	4191266.93	1.74E-02	2.80E-03	1.65E-03	1.37E-03
522	564630.36	4191276.58	1.58E-02	2.53E-03	1.49E-03	1.24E-03
523	564632.56	4191286.24	1.40E-02	2.25E-03	1.33E-03	1.10E-03
524	564634.75	4191295.89	1.23E-02	1.97E-03	1.16E-03	9.62E-04
525	564636.95	4191305.54	1.07E-02	1.72E-03	1.01E-03	8.39E-04
526	564643.54	4191334.51	7.50E-03	1.20E-03	7.10E-04	5.88E-04
527	564645.73	4191344.16	6.89E-03	1.11E-03	6.52E-04	5.40E-04
528	564647.93	4191353.81	6.44E-03	1.03E-03	6.10E-04	5.06E-04
529	564650.12	4191363.47	6.13E-03	9.83E-04	5.80E-04	4.81E-04
530	564398.39	4191015.1	7.02E-03	1.13E-03	6.65E-04	5.51E-04
531	564388.56	4191013.44	6.86E-03	1.10E-03	6.50E-04	5.38E-04
532	564378.73	4191011.78	6.69E-03	1.07E-03	6.33E-04	5.25E-04
533	564368.9	4191010.12	6.49E-03	1.04E-03	6.14E-04	5.09E-04
534	564307.42	4191314.1	1.07E-01	1.71E-02	1.01E-02	8.38E-03
535	564304.66	4191330.27	1.83E-01	2.93E-02	1.73E-02	1.44E-02
536	564301.89	4191346.44	2.63E-01	4.22E-02	2.49E-02	2.06E-02
537	564301.64	4191305.95	6.91E-02	1.11E-02	6.54E-03	5.42E-03
538	564296.18	4191320.5	8.88E-02	1.43E-02	8.41E-03	6.97E-03
539	564293.41	4191336.67	1.28E-01	2.06E-02	1.22E-02	1.01E-02
540	564290.65	4191352.84	1.55E-01	2.49E-02	1.47E-02	1.22E-02
541	564291.78	4191304.26	4.89E-02	7.85E-03	4.63E-03	3.84E-03
542	564307.37	4191289.62	5.88E-02	9.43E-03	5.56E-03	4.61E-03
543	564286.33	4191318.81	5.99E-02	9.60E-03	5.67E-03	4.70E-03
544	564283.56	4191334.98	7.85E-02	1.26E-02	7.43E-03	6.16E-03
545	564281.92	4191302.57	3.66E-02	5.87E-03	3.46E-03	2.87E-03
546	564290.07	4191289.63	3.33E-02	5.35E-03	3.16E-03	2.61E-03
547	564301.59	4191281.46	4.11E-02	6.59E-03	3.89E-03	3.22E-03
548	564276.47	4191317.12	4.27E-02	6.85E-03	4.04E-03	3.35E-03
549	564273.7	4191333.29	5.26E-02	8.43E-03	4.98E-03	4.12E-03
550	564272.07	4191300.88	2.85E-02	4.58E-03	2.70E-03	2.24E-03
551	564280.21	4191287.95	2.61E-02	4.18E-03	2.47E-03	2.05E-03
552	564295.8	4191273.3	3.02E-02	4.85E-03	2.86E-03	2.37E-03
553	564310.7	4191269.9	4.85E-02	7.78E-03	4.59E-03	3.81E-03
554	564266.61	4191315.44	3.20E-02	5.13E-03	3.03E-03	2.51E-03
555	564263.85	4191331.6	3.76E-02	6.03E-03	3.56E-03	2.95E-03
556	564262.21	4191299.2	2.29E-02	3.67E-03	2.16E-03	1.79E-03
557	564270.35	4191286.26	2.13E-02	3.41E-03	2.01E-03	1.67E-03
558	564278.49	4191273.32	1.97E-02	3.15E-03	1.86E-03	1.54E-03
559	564256.76	4191313.75	2.48E-02	3.98E-03	2.35E-03	1.95E-03
560	564253.99	4191329.92	2.82E-02	4.53E-03	2.67E-03	2.21E-03
561	564252.35	4191297.51	1.86E-02	2.99E-03	1.77E-03	1.46E-03
562	564260.5	4191284.57	1.77E-02	2.84E-03	1.68E-03	1.39E-03
563	564268.64	4191271.63	1.62E-02	2.60E-03	1.53E-03	1.27E-03
564	564314.03	4191250.18	3.99E-02	6.40E-03	3.78E-03	3.13E-03
565	564246.9	4191312.06	1.98E-02	3.18E-03	1.87E-03	1.55E-03
566	564244.13	4191328.23	2.20E-02	3.53E-03	2.08E-03	1.72E-03
567	564242.5	4191295.82	1.55E-02	2.48E-03	1.47E-03	1.21E-03

568	564250.64	4191282.88	1.49E-02	2.39E-03	1.41E-03	1.17E-03
569	564258.78	4191269.95	1.38E-02	2.21E-03	1.30E-03	1.08E-03
570	564278.45	4191248.84	1.47E-02	2.36E-03	1.39E-03	1.15E-03
571	564293.35	4191245.43	2.09E-02	3.35E-03	1.98E-03	1.64E-03
572	564308.25	4191242.02	3.05E-02	4.90E-03	2.89E-03	2.40E-03
573	564237.04	4191310.37	1.62E-02	2.59E-03	1.53E-03	1.27E-03
574	564234.28	4191326.54	1.76E-02	2.83E-03	1.67E-03	1.38E-03
575	564232.64	4191294.13	1.30E-02	2.09E-03	1.23E-03	1.02E-03
576	564240.78	4191281.2	1.28E-02	2.05E-03	1.21E-03	1.00E-03
577	564248.93	4191268.26	1.19E-02	1.91E-03	1.13E-03	9.33E-04
578	564272.66	4191240.68	1.22E-02	1.95E-03	1.15E-03	9.54E-04
579	564287.56	4191237.27	1.67E-02	2.68E-03	1.58E-03	1.31E-03
580	564302.46	4191233.86	2.39E-02	3.84E-03	2.27E-03	1.88E-03
581	564317.36	4191230.45	3.25E-02	5.22E-03	3.08E-03	2.55E-03
582	564227.19	4191308.69	1.34E-02	2.16E-03	1.27E-03	1.05E-03
583	564224.42	4191324.85	1.44E-02	2.32E-03	1.37E-03	1.13E-03
584	564222.78	4191292.45	1.11E-02	1.79E-03	1.05E-03	8.74E-04
585	564230.93	4191279.51	1.10E-02	1.77E-03	1.04E-03	8.65E-04
586	564239.07	4191266.57	1.04E-02	1.67E-03	9.87E-04	8.18E-04
587	564255.35	4191240.7	9.23E-03	1.48E-03	8.73E-04	7.24E-04
588	564266.87	4191232.52	1.02E-02	1.64E-03	9.68E-04	8.02E-04
589	564281.78	4191229.11	1.36E-02	2.18E-03	1.29E-03	1.07E-03
590	564296.68	4191225.71	1.91E-02	3.07E-03	1.81E-03	1.50E-03
591	564311.58	4191222.3	2.59E-02	4.16E-03	2.45E-03	2.03E-03
592	564217.33	4191307	1.14E-02	1.82E-03	1.07E-03	8.91E-04
593	564214.56	4191323.17	1.21E-02	1.93E-03	1.14E-03	9.46E-04
594	564212.93	4191290.76	9.62E-03	1.54E-03	9.10E-04	7.54E-04
595	564221.07	4191277.82	9.60E-03	1.54E-03	9.09E-04	7.53E-04
596	564229.21	4191264.88	9.20E-03	1.48E-03	8.71E-04	7.21E-04
597	564245.5	4191239.01	8.08E-03	1.30E-03	7.65E-04	6.34E-04
598	564261.09	4191224.37	8.73E-03	1.40E-03	8.27E-04	6.85E-04
599	564275.99	4191220.96	1.13E-02	1.81E-03	1.07E-03	8.86E-04
600	564290.89	4191217.55	1.55E-02	2.48E-03	1.46E-03	1.21E-03
601	564305.79	4191214.14	2.08E-02	3.34E-03	1.97E-03	1.63E-03
602	564320.69	4191210.73	2.62E-02	4.21E-03	2.48E-03	2.06E-03
603	564207.47	4191305.31	9.72E-03	1.56E-03	9.20E-04	7.63E-04
604	564204.71	4191321.48	1.02E-02	1.64E-03	9.69E-04	8.03E-04
605	564203.07	4191289.07	8.38E-03	1.34E-03	7.93E-04	6.58E-04
606	564211.21	4191276.13	8.44E-03	1.35E-03	7.99E-04	6.62E-04
607	564219.36	4191263.2	8.16E-03	1.31E-03	7.72E-04	6.40E-04
608	564235.64	4191237.32	7.19E-03	1.15E-03	6.81E-04	5.64E-04
609	564243.78	4191224.38	6.93E-03	1.11E-03	6.56E-04	5.44E-04
610	564255.3	4191216.21	7.56E-03	1.21E-03	7.15E-04	5.93E-04
611	564270.2	4191212.8	9.53E-03	1.53E-03	9.03E-04	7.48E-04
612	564285.11	4191209.39	1.27E-02	2.04E-03	1.21E-03	9.99E-04
613	564300.01	4191205.99	1.70E-02	2.73E-03	1.61E-03	1.33E-03
614	564314.91	4191202.58	2.16E-02	3.46E-03	2.04E-03	1.69E-03
615	564197.62	4191303.62	8.43E-03	1.35E-03	7.98E-04	6.62E-04
616	564194.85	4191319.79	8.83E-03	1.42E-03	8.36E-04	6.93E-04
617	564201.36	4191274.45	7.46E-03	1.20E-03	7.07E-04	5.86E-04
618	564209.5	4191261.51	7.28E-03	1.17E-03	6.89E-04	5.71E-04
619	564225.78	4191235.63	6.47E-03	1.04E-03	6.13E-04	5.08E-04

620	564233.92	4191222.7	6.17E-03	9.90E-04	5.84E-04	4.84E-04
621	564249.52	4191208.05	6.61E-03	1.06E-03	6.26E-04	5.19E-04
622	564264.42	4191204.65	8.18E-03	1.31E-03	7.75E-04	6.42E-04
623	564279.32	4191201.24	1.07E-02	1.71E-03	1.01E-03	8.38E-04
624	564294.22	4191197.83	1.41E-02	2.25E-03	1.33E-03	1.10E-03
625	564309.12	4191194.42	1.79E-02	2.88E-03	1.70E-03	1.41E-03
626	564324.03	4191191.01	2.15E-02	3.45E-03	2.03E-03	1.69E-03
627	564183.36	4191285.7	6.53E-03	1.05E-03	6.18E-04	5.12E-04
628	564215.93	4191233.95	5.88E-03	9.43E-04	5.57E-04	4.61E-04
629	564224.07	4191221.01	5.59E-03	8.96E-04	5.29E-04	4.38E-04
630	564232.21	4191208.07	5.43E-03	8.71E-04	5.14E-04	4.26E-04
631	564243.73	4191199.9	5.84E-03	9.37E-04	5.53E-04	4.58E-04
632	564258.63	4191196.49	7.10E-03	1.14E-03	6.72E-04	5.57E-04
633	564273.53	4191193.08	9.09E-03	1.46E-03	8.61E-04	7.13E-04
634	564288.44	4191189.67	1.19E-02	1.90E-03	1.12E-03	9.31E-04
635	564303.34	4191186.26	1.51E-02	2.43E-03	1.43E-03	1.19E-03
636	564318.24	4191182.86	1.83E-02	2.94E-03	1.73E-03	1.44E-03
637	564177.9	4191300.25	6.53E-03	1.05E-03	6.18E-04	5.12E-04
638	564175.14	4191316.42	6.80E-03	1.09E-03	6.44E-04	5.33E-04
639	564172.37	4191332.59	7.20E-03	1.16E-03	6.82E-04	5.65E-04
640	564173.79	4191283.55	5.83E-03	9.35E-04	5.52E-04	4.57E-04
641	564182.52	4191269.69	5.96E-03	9.56E-04	5.64E-04	4.68E-04
642	564208.69	4191228.1	5.28E-03	8.47E-04	5.00E-04	4.14E-04
643	564217.41	4191214.24	5.02E-03	8.05E-04	4.75E-04	3.94E-04
644	564226.13	4191200.38	4.88E-03	7.83E-04	4.62E-04	3.83E-04
645	564238.48	4191191.62	5.23E-03	8.38E-04	4.95E-04	4.10E-04
646	564254.44	4191187.97	6.34E-03	1.02E-03	6.00E-04	4.97E-04
647	564270.41	4191184.32	8.17E-03	1.31E-03	7.74E-04	6.41E-04
648	564286.38	4191180.66	1.08E-02	1.73E-03	1.02E-03	8.45E-04
649	564302.34	4191177.01	1.38E-02	2.22E-03	1.31E-03	1.08E-03
650	564318.31	4191173.36	1.67E-02	2.68E-03	1.58E-03	1.31E-03
651	564168.05	4191298.56	5.81E-03	9.33E-04	5.50E-04	4.56E-04
652	564165.28	4191314.73	6.02E-03	9.65E-04	5.69E-04	4.72E-04
653	564162.51	4191330.9	6.35E-03	1.02E-03	6.01E-04	4.98E-04
654	564163.92	4191281.89	5.26E-03	8.43E-04	4.98E-04	4.12E-04
655	564172.6	4191268.09	5.37E-03	8.62E-04	5.09E-04	4.22E-04
656	564181.29	4191254.29	5.32E-03	8.54E-04	5.04E-04	4.18E-04
657	564207.34	4191212.89	4.61E-03	7.40E-04	4.37E-04	3.62E-04
658	564216.02	4191199.09	4.45E-03	7.14E-04	4.21E-04	3.49E-04
659	564232.66	4191183.47	4.69E-03	7.52E-04	4.44E-04	3.68E-04
660	564248.55	4191179.84	5.58E-03	8.96E-04	5.29E-04	4.38E-04
661	564264.45	4191176.2	7.04E-03	1.13E-03	6.67E-04	5.53E-04
662	564280.34	4191172.56	9.20E-03	1.48E-03	8.71E-04	7.22E-04
663	564296.24	4191168.93	1.18E-02	1.89E-03	1.12E-03	9.26E-04
664	564312.13	4191165.29	1.44E-02	2.31E-03	1.36E-03	1.13E-03
665	564158.19	4191296.87	5.21E-03	8.36E-04	4.93E-04	4.09E-04
666	564155.42	4191313.04	5.36E-03	8.60E-04	5.07E-04	4.21E-04
667	564152.65	4191329.21	5.64E-03	9.05E-04	5.34E-04	4.43E-04
668	564154.04	4191280.23	4.76E-03	7.64E-04	4.51E-04	3.74E-04
669	564162.69	4191266.48	4.89E-03	7.84E-04	4.63E-04	3.83E-04
670	564171.34	4191252.74	4.86E-03	7.79E-04	4.60E-04	3.81E-04
671	564180	4191238.99	4.69E-03	7.53E-04	4.44E-04	3.68E-04

672	564188.65	4191225.24	4.46E-03	7.16E-04	4.22E-04	3.50E-04
673	564214.6	4191184.01	3.99E-03	6.40E-04	3.78E-04	3.13E-04
674	564226.84	4191175.32	4.23E-03	6.79E-04	4.01E-04	3.32E-04
675	564242.67	4191171.7	4.97E-03	7.97E-04	4.70E-04	3.90E-04
676	564258.51	4191168.08	6.14E-03	9.85E-04	5.81E-04	4.82E-04
677	564274.34	4191164.46	7.91E-03	1.27E-03	7.49E-04	6.21E-04
678	564290.17	4191160.84	1.01E-02	1.63E-03	9.61E-04	7.96E-04
679	564148.33	4191295.19	4.70E-03	7.54E-04	4.45E-04	3.69E-04
680	564145.57	4191311.35	4.81E-03	7.72E-04	4.55E-04	3.77E-04
681	564142.8	4191327.52	5.05E-03	8.10E-04	4.78E-04	3.96E-04
682	564144.17	4191278.57	4.33E-03	6.95E-04	4.10E-04	3.40E-04
683	564152.79	4191264.87	4.46E-03	7.16E-04	4.22E-04	3.50E-04
684	564161.41	4191251.17	4.46E-03	7.16E-04	4.22E-04	3.50E-04
685	564170.03	4191237.47	4.32E-03	6.94E-04	4.09E-04	3.39E-04
686	564178.65	4191223.77	4.12E-03	6.61E-04	3.90E-04	3.23E-04
687	564187.28	4191210.07	3.93E-03	6.30E-04	3.72E-04	3.08E-04
688	564221.03	4191167.17	3.84E-03	6.16E-04	3.64E-04	3.01E-04
689	564236.8	4191163.56	4.46E-03	7.16E-04	4.22E-04	3.50E-04
690	564252.58	4191159.95	5.43E-03	8.71E-04	5.14E-04	4.26E-04
691	564268.36	4191156.35	6.88E-03	1.10E-03	6.51E-04	5.40E-04
692	564299.92	4191149.13	1.08E-02	1.74E-03	1.03E-03	8.50E-04
693	564315.7	4191145.52	1.27E-02	2.04E-03	1.20E-03	9.96E-04
694	564331.47	4191141.91	1.42E-02	2.28E-03	1.35E-03	1.12E-03
695	564138.48	4191293.5	4.26E-03	6.84E-04	4.04E-04	3.34E-04
696	564135.71	4191309.67	4.35E-03	6.98E-04	4.12E-04	3.41E-04
697	564132.94	4191325.84	4.55E-03	7.30E-04	4.31E-04	3.57E-04
698	564134.3	4191276.9	3.95E-03	6.33E-04	3.74E-04	3.10E-04
699	564142.9	4191263.24	4.09E-03	6.56E-04	3.87E-04	3.21E-04
700	564151.49	4191249.59	4.11E-03	6.59E-04	3.89E-04	3.22E-04
701	564160.08	4191235.93	4.01E-03	6.43E-04	3.79E-04	3.14E-04
702	564168.68	4191222.27	3.83E-03	6.14E-04	3.62E-04	3.00E-04
703	564177.27	4191208.62	3.64E-03	5.85E-04	3.45E-04	2.86E-04
704	564185.87	4191194.96	3.50E-03	5.61E-04	3.31E-04	2.74E-04
705	564194.46	4191181.3	3.39E-03	5.44E-04	3.21E-04	2.66E-04
706	564215.22	4191159.02	3.50E-03	5.62E-04	3.32E-04	2.75E-04
707	564230.95	4191155.42	4.03E-03	6.47E-04	3.82E-04	3.16E-04
708	564246.68	4191151.83	4.84E-03	7.76E-04	4.58E-04	3.80E-04
709	564278.13	4191144.63	7.66E-03	1.23E-03	7.25E-04	6.01E-04
710	564293.86	4191141.03	9.46E-03	1.52E-03	8.96E-04	7.43E-04
711	564309.59	4191137.44	1.12E-02	1.79E-03	1.06E-03	8.77E-04
712	564325.32	4191133.84	1.26E-02	2.03E-03	1.20E-03	9.91E-04
713	564128.62	4191291.81	3.88E-03	6.22E-04	3.67E-04	3.04E-04
714	564125.85	4191307.98	3.96E-03	6.35E-04	3.75E-04	3.10E-04
715	564123.08	4191324.15	4.12E-03	6.61E-04	3.90E-04	3.23E-04
716	564124.43	4191275.23	3.61E-03	5.79E-04	3.42E-04	2.83E-04
717	564133	4191261.61	3.75E-03	6.01E-04	3.55E-04	2.94E-04
718	564141.57	4191247.99	3.79E-03	6.08E-04	3.59E-04	2.98E-04
719	564150.14	4191234.38	3.72E-03	5.97E-04	3.52E-04	2.92E-04
720	564158.71	4191220.76	3.57E-03	5.73E-04	3.38E-04	2.80E-04
721	564167.28	4191207.14	3.40E-03	5.45E-04	3.22E-04	2.66E-04
722	564175.86	4191193.52	3.25E-03	5.22E-04	3.08E-04	2.55E-04
723	564184.43	4191179.9	3.15E-03	5.05E-04	2.98E-04	2.47E-04

724	564193	4191166.28	3.07E-03	4.93E-04	2.91E-04	2.41E-04
725	564256.47	4191140.11	5.35E-03	8.58E-04	5.06E-04	4.20E-04
726	564272.15	4191136.52	6.72E-03	1.08E-03	6.36E-04	5.27E-04
727	564287.84	4191132.93	8.31E-03	1.33E-03	7.87E-04	6.52E-04
728	564303.52	4191129.34	9.88E-03	1.58E-03	9.35E-04	7.75E-04
729	564319.21	4191125.76	1.12E-02	1.80E-03	1.06E-03	8.82E-04
730	564334.9	4191122.17	1.23E-02	1.97E-03	1.16E-03	9.65E-04
731	564118.76	4191290.12	3.54E-03	5.68E-04	3.35E-04	2.78E-04
732	564116	4191306.29	3.61E-03	5.80E-04	3.42E-04	2.83E-04
733	564113.23	4191322.46	3.75E-03	6.02E-04	3.55E-04	2.95E-04
734	564114.57	4191273.56	3.31E-03	5.32E-04	3.14E-04	2.60E-04
735	564123.11	4191259.98	3.44E-03	5.52E-04	3.26E-04	2.70E-04
736	564131.66	4191246.39	3.50E-03	5.61E-04	3.31E-04	2.75E-04
737	564140.21	4191232.81	3.46E-03	5.55E-04	3.28E-04	2.72E-04
738	564148.76	4191219.22	3.33E-03	5.35E-04	3.16E-04	2.62E-04
739	564157.31	4191205.64	3.18E-03	5.09E-04	3.01E-04	2.49E-04
740	564165.86	4191192.05	3.04E-03	4.88E-04	2.88E-04	2.38E-04
741	564174.41	4191178.47	2.94E-03	4.72E-04	2.78E-04	2.31E-04
742	564182.96	4191164.88	2.87E-03	4.60E-04	2.71E-04	2.25E-04
743	564191.51	4191151.3	2.82E-03	4.52E-04	2.67E-04	2.21E-04
744	564234.9	4191135.56	3.92E-03	6.29E-04	3.71E-04	3.08E-04
745	564250.54	4191131.98	4.77E-03	7.65E-04	4.51E-04	3.74E-04
746	564266.19	4191128.4	5.93E-03	9.51E-04	5.61E-04	4.65E-04
747	564281.84	4191124.83	7.33E-03	1.18E-03	6.94E-04	5.75E-04
748	564297.48	4191121.25	8.75E-03	1.40E-03	8.29E-04	6.87E-04
749	564313.13	4191117.67	1.00E-02	1.61E-03	9.50E-04	7.87E-04
750	564328.78	4191114.09	1.11E-02	1.78E-03	1.05E-03	8.69E-04
751	564108.91	4191288.44	3.25E-03	5.22E-04	3.08E-04	2.55E-04
752	564106.14	4191304.61	3.31E-03	5.31E-04	3.13E-04	2.60E-04
753	564103.37	4191320.77	3.43E-03	5.50E-04	3.25E-04	2.69E-04
754	564104.7	4191271.89	3.06E-03	4.91E-04	2.90E-04	2.40E-04
755	564113.23	4191258.33	3.18E-03	5.09E-04	3.01E-04	2.49E-04
756	564121.76	4191244.78	3.24E-03	5.20E-04	3.07E-04	2.54E-04
757	564130.29	4191231.23	3.22E-03	5.16E-04	3.05E-04	2.53E-04
758	564138.82	4191217.67	3.12E-03	5.00E-04	2.95E-04	2.45E-04
759	564147.35	4191204.12	2.98E-03	4.77E-04	2.82E-04	2.33E-04
760	564155.88	4191190.57	2.85E-03	4.57E-04	2.69E-04	2.23E-04
761	564164.41	4191177.01	2.75E-03	4.41E-04	2.60E-04	2.16E-04
762	564172.94	4191163.46	2.68E-03	4.30E-04	2.54E-04	2.10E-04
763	564181.47	4191149.9	2.63E-03	4.21E-04	2.49E-04	2.06E-04
764	564213.41	4191130.99	3.06E-03	4.91E-04	2.90E-04	2.40E-04
765	564229.02	4191127.42	3.55E-03	5.69E-04	3.36E-04	2.78E-04
766	564244.63	4191123.85	4.27E-03	6.85E-04	4.04E-04	3.35E-04
767	564260.25	4191120.28	5.26E-03	8.44E-04	4.98E-04	4.13E-04
768	564275.86	4191116.71	6.49E-03	1.04E-03	6.15E-04	5.09E-04
769	564291.47	4191113.14	7.78E-03	1.25E-03	7.37E-04	6.11E-04
770	564307.08	4191109.57	8.98E-03	1.44E-03	8.50E-04	7.05E-04
771	564322.69	4191106	1.00E-02	1.60E-03	9.46E-04	7.84E-04
772	564338.3	4191102.43	1.07E-02	1.72E-03	1.01E-03	8.39E-04
773	564099.05	4191286.75	3.00E-03	4.82E-04	2.84E-04	2.35E-04
774	564096.28	4191302.92	3.04E-03	4.88E-04	2.88E-04	2.39E-04
775	564093.51	4191319.09	3.14E-03	5.04E-04	2.98E-04	2.47E-04

776	564094.83	4191270.22	2.84E-03	4.55E-04	2.69E-04	2.23E-04
777	564103.35	4191256.69	2.95E-03	4.73E-04	2.79E-04	2.31E-04
778	564111.86	4191243.16	3.01E-03	4.82E-04	2.84E-04	2.36E-04
779	564120.37	4191229.64	3.00E-03	4.81E-04	2.84E-04	2.35E-04
780	564128.88	4191216.11	2.92E-03	4.69E-04	2.77E-04	2.29E-04
781	564137.39	4191202.59	2.80E-03	4.49E-04	2.65E-04	2.19E-04
782	564145.91	4191189.06	2.67E-03	4.29E-04	2.53E-04	2.10E-04
783	564154.42	4191175.53	2.58E-03	4.14E-04	2.44E-04	2.02E-04
784	564162.93	4191162.01	2.51E-03	4.03E-04	2.38E-04	1.97E-04
785	564171.44	4191148.48	2.45E-03	3.94E-04	2.32E-04	1.93E-04
786	564192	4191126.41	2.53E-03	4.07E-04	2.40E-04	1.99E-04
787	564223.16	4191119.29	3.23E-03	5.18E-04	3.06E-04	2.54E-04
788	564238.74	4191115.72	3.84E-03	6.16E-04	3.63E-04	3.01E-04
789	564254.31	4191112.16	4.70E-03	7.53E-04	4.45E-04	3.68E-04
790	564269.89	4191108.6	5.78E-03	9.27E-04	5.47E-04	4.53E-04
791	564285.47	4191105.03	6.94E-03	1.11E-03	6.57E-04	5.44E-04
792	564301.05	4191101.47	8.03E-03	1.29E-03	7.60E-04	6.30E-04
793	564316.63	4191097.91	8.98E-03	1.44E-03	8.50E-04	7.04E-04
794	564332.21	4191094.35	9.72E-03	1.56E-03	9.20E-04	7.63E-04
795	564089.19	4191285.06	2.78E-03	4.46E-04	2.63E-04	2.18E-04
796	564086.43	4191301.23	2.81E-03	4.51E-04	2.66E-04	2.21E-04
797	564083.66	4191317.4	2.89E-03	4.64E-04	2.74E-04	2.27E-04
798	564084.97	4191268.54	2.64E-03	4.23E-04	2.50E-04	2.07E-04
799	564093.47	4191255.04	2.74E-03	4.40E-04	2.60E-04	2.15E-04
800	564101.96	4191241.54	2.80E-03	4.49E-04	2.65E-04	2.20E-04
801	564110.46	4191228.04	2.80E-03	4.49E-04	2.65E-04	2.20E-04
802	564118.95	4191214.54	2.74E-03	4.40E-04	2.60E-04	2.15E-04
803	564127.45	4191201.04	2.64E-03	4.23E-04	2.50E-04	2.07E-04
804	564135.94	4191187.54	2.52E-03	4.04E-04	2.39E-04	1.98E-04
805	564144.44	4191174.04	2.43E-03	3.89E-04	2.30E-04	1.90E-04
806	564152.94	4191160.54	2.36E-03	3.78E-04	2.23E-04	1.85E-04
807	564161.43	4191147.04	2.30E-03	3.70E-04	2.18E-04	1.81E-04
808	564186.2	4191118.26	2.36E-03	3.78E-04	2.23E-04	1.85E-04
809	564217.3	4191111.15	2.96E-03	4.75E-04	2.80E-04	2.32E-04
810	564232.85	4191107.59	3.47E-03	5.57E-04	3.28E-04	2.72E-04
811	564248.4	4191104.03	4.21E-03	6.76E-04	3.99E-04	3.30E-04
812	564263.95	4191100.48	5.16E-03	8.28E-04	4.88E-04	4.05E-04
813	564279.5	4191096.92	6.19E-03	9.94E-04	5.86E-04	4.86E-04
814	564295.05	4191093.37	7.18E-03	1.15E-03	6.80E-04	5.64E-04
815	564310.59	4191089.81	8.08E-03	1.30E-03	7.65E-04	6.34E-04
816	564326.14	4191086.25	8.83E-03	1.42E-03	8.35E-04	6.92E-04
817	564341.69	4191082.7	9.39E-03	1.51E-03	8.89E-04	7.37E-04
818	564079.34	4191283.37	2.58E-03	4.14E-04	2.44E-04	2.02E-04
819	564076.57	4191299.54	2.60E-03	4.18E-04	2.47E-04	2.04E-04
820	564073.8	4191315.71	2.68E-03	4.30E-04	2.54E-04	2.10E-04
821	564075.11	4191266.86	2.45E-03	3.94E-04	2.32E-04	1.93E-04
822	564083.59	4191253.39	2.56E-03	4.10E-04	2.42E-04	2.01E-04
823	564092.07	4191239.91	2.61E-03	4.19E-04	2.47E-04	2.05E-04
824	564100.55	4191226.43	2.62E-03	4.20E-04	2.48E-04	2.06E-04
825	564109.03	4191212.96	2.58E-03	4.13E-04	2.44E-04	2.02E-04
826	564117.51	4191199.48	2.49E-03	4.00E-04	2.36E-04	1.95E-04
827	564125.99	4191186	2.38E-03	3.82E-04	2.26E-04	1.87E-04

828	564134.47	4191172.53	2.29E-03	3.67E-04	2.17E-04	1.80E-04
829	564142.95	4191159.05	2.22E-03	3.56E-04	2.10E-04	1.74E-04
830	564151.44	4191145.57	2.17E-03	3.48E-04	2.06E-04	1.70E-04
831	564168.4	4191118.62	2.11E-03	3.39E-04	2.00E-04	1.66E-04
832	564180.4	4191110.11	2.20E-03	3.53E-04	2.08E-04	1.73E-04
833	564195.92	4191106.56	2.42E-03	3.89E-04	2.29E-04	1.90E-04
834	564226.97	4191099.46	3.17E-03	5.08E-04	3.00E-04	2.48E-04
835	564242.49	4191095.91	3.80E-03	6.09E-04	3.60E-04	2.98E-04
836	564258.01	4191092.36	4.63E-03	7.42E-04	4.38E-04	3.63E-04
837	564273.53	4191088.81	5.56E-03	8.91E-04	5.26E-04	4.36E-04
838	564289.06	4191085.26	6.46E-03	1.04E-03	6.11E-04	5.06E-04
839	564304.58	4191081.71	7.28E-03	1.17E-03	6.90E-04	5.71E-04
840	564320.1	4191078.16	8.01E-03	1.28E-03	7.58E-04	6.28E-04
841	564335.62	4191074.61	8.60E-03	1.38E-03	8.14E-04	6.75E-04
842	564069.48	4191281.69	2.40E-03	3.85E-04	2.27E-04	1.88E-04
843	564066.71	4191297.86	2.42E-03	3.88E-04	2.29E-04	1.90E-04
844	564063.95	4191314.02	2.49E-03	3.99E-04	2.36E-04	1.95E-04
845	564065.24	4191265.19	2.29E-03	3.67E-04	2.16E-04	1.79E-04
846	564073.71	4191251.73	2.38E-03	3.82E-04	2.26E-04	1.87E-04
847	564082.18	4191238.28	2.44E-03	3.92E-04	2.31E-04	1.92E-04
848	564090.64	4191224.82	2.45E-03	3.94E-04	2.32E-04	1.93E-04
849	564099.11	4191211.37	2.42E-03	3.89E-04	2.30E-04	1.90E-04
850	564107.58	4191197.91	2.35E-03	3.78E-04	2.23E-04	1.85E-04
851	564116.05	4191184.46	2.26E-03	3.62E-04	2.14E-04	1.77E-04
852	564124.51	4191171	2.17E-03	3.47E-04	2.05E-04	1.70E-04
853	564132.98	4191157.55	2.10E-03	3.36E-04	1.99E-04	1.65E-04
854	564141.45	4191144.09	2.05E-03	3.29E-04	1.94E-04	1.61E-04
855	564158.38	4191117.18	1.99E-03	3.19E-04	1.88E-04	1.56E-04
856	564174.6	4191101.95	2.06E-03	3.30E-04	1.95E-04	1.61E-04
857	564190.1	4191098.41	2.25E-03	3.61E-04	2.13E-04	1.77E-04
858	564221.09	4191091.32	2.90E-03	4.65E-04	2.74E-04	2.27E-04
859	564236.59	4191087.78	3.44E-03	5.53E-04	3.26E-04	2.70E-04
860	564252.09	4191084.23	4.17E-03	6.69E-04	3.95E-04	3.27E-04
861	564267.59	4191080.69	5.01E-03	8.04E-04	4.74E-04	3.93E-04
862	564283.08	4191077.14	5.83E-03	9.35E-04	5.52E-04	4.57E-04
863	564298.58	4191073.6	6.59E-03	1.06E-03	6.24E-04	5.17E-04
864	564314.08	4191070.05	7.30E-03	1.17E-03	6.91E-04	5.73E-04
865	564059.62	4191280	2.23E-03	3.58E-04	2.11E-04	1.75E-04
866	564056.86	4191296.17	2.25E-03	3.61E-04	2.13E-04	1.77E-04
867	564054.09	4191312.34	2.32E-03	3.72E-04	2.19E-04	1.82E-04
868	564055.38	4191263.51	2.14E-03	3.43E-04	2.02E-04	1.68E-04
869	564063.83	4191250.08	2.23E-03	3.57E-04	2.11E-04	1.75E-04
870	564072.29	4191236.64	2.29E-03	3.67E-04	2.17E-04	1.80E-04
871	564080.74	4191223.2	2.31E-03	3.70E-04	2.18E-04	1.81E-04
872	564089.2	4191209.77	2.28E-03	3.66E-04	2.16E-04	1.79E-04
873	564097.65	4191196.33	2.23E-03	3.57E-04	2.11E-04	1.75E-04
874	564106.11	4191182.9	2.14E-03	3.43E-04	2.03E-04	1.68E-04
875	564114.56	4191169.46	2.05E-03	3.29E-04	1.94E-04	1.61E-04
876	564123.02	4191156.03	1.98E-03	3.18E-04	1.88E-04	1.56E-04
877	564131.47	4191142.59	1.94E-03	3.11E-04	1.83E-04	1.52E-04
878	564148.38	4191115.72	1.87E-03	3.00E-04	1.77E-04	1.47E-04
879	564156.84	4191102.29	1.86E-03	2.98E-04	1.76E-04	1.46E-04

880	564168.8	4191093.8	1.93E-03	3.10E-04	1.83E-04	1.51E-04
881	564184.28	4191090.26	2.10E-03	3.37E-04	1.99E-04	1.65E-04
882	564199.75	4191086.72	2.33E-03	3.74E-04	2.21E-04	1.83E-04
883	564230.7	4191079.64	3.14E-03	5.03E-04	2.97E-04	2.46E-04
884	564246.18	4191076.1	3.77E-03	6.05E-04	3.57E-04	2.96E-04
885	564261.65	4191072.56	4.53E-03	7.27E-04	4.29E-04	3.55E-04
886	564277.13	4191069.02	5.30E-03	8.50E-04	5.01E-04	4.16E-04
887	564292.6	4191065.49	6.00E-03	9.63E-04	5.68E-04	4.71E-04
888	564339.03	4191054.87	7.72E-03	1.24E-03	7.31E-04	6.05E-04
889	564049.77	4191278.31	2.09E-03	3.35E-04	1.97E-04	1.64E-04
890	564047	4191294.48	2.10E-03	3.38E-04	1.99E-04	1.65E-04
891	564044.23	4191310.65	2.16E-03	3.47E-04	2.05E-04	1.70E-04
892	564045.52	4191261.83	2.00E-03	3.21E-04	1.89E-04	1.57E-04
893	564053.96	4191248.42	2.09E-03	3.35E-04	1.97E-04	1.64E-04
894	564062.4	4191235	2.15E-03	3.45E-04	2.04E-04	1.69E-04
895	564070.85	4191221.58	2.17E-03	3.49E-04	2.06E-04	1.71E-04
896	564079.29	4191208.16	2.16E-03	3.46E-04	2.04E-04	1.69E-04
897	564087.73	4191194.75	2.11E-03	3.38E-04	1.99E-04	1.65E-04
898	564096.18	4191181.33	2.03E-03	3.26E-04	1.92E-04	1.59E-04
899	564104.62	4191167.91	1.95E-03	3.13E-04	1.85E-04	1.53E-04
900	564113.06	4191154.5	1.88E-03	3.02E-04	1.78E-04	1.48E-04
901	564121.51	4191141.08	1.84E-03	2.94E-04	1.74E-04	1.44E-04
902	564138.39	4191114.25	1.77E-03	2.84E-04	1.68E-04	1.39E-04
903	564146.84	4191100.83	1.75E-03	2.81E-04	1.66E-04	1.37E-04
904	564163.01	4191085.65	1.81E-03	2.91E-04	1.72E-04	1.42E-04
905	564178.46	4191082.11	1.97E-03	3.16E-04	1.86E-04	1.55E-04
906	564193.91	4191078.58	2.17E-03	3.48E-04	2.06E-04	1.70E-04
907	564224.82	4191071.51	2.87E-03	4.60E-04	2.72E-04	2.25E-04
908	564240.28	4191067.97	3.43E-03	5.50E-04	3.24E-04	2.69E-04
909	564255.73	4191064.44	4.10E-03	6.58E-04	3.89E-04	3.22E-04
910	564271.18	4191060.91	4.82E-03	7.74E-04	4.57E-04	3.78E-04
911	564317.54	4191050.3	6.67E-03	1.07E-03	6.31E-04	5.23E-04
912	564333	4191046.77	7.13E-03	1.14E-03	6.75E-04	5.60E-04
913	564348.45	4191043.23	7.48E-03	1.20E-03	7.08E-04	5.87E-04
914	564039.91	4191276.62	1.96E-03	3.14E-04	1.85E-04	1.53E-04
915	564037.14	4191292.79	1.97E-03	3.16E-04	1.87E-04	1.55E-04
916	564034.38	4191308.96	2.02E-03	3.24E-04	1.91E-04	1.58E-04
917	564035.66	4191260.15	1.88E-03	3.01E-04	1.78E-04	1.47E-04
918	564044.09	4191246.75	1.96E-03	3.14E-04	1.85E-04	1.54E-04
919	564052.52	4191233.35	2.02E-03	3.25E-04	1.92E-04	1.59E-04
920	564060.95	4191219.95	2.05E-03	3.29E-04	1.94E-04	1.61E-04
921	564069.39	4191206.55	2.04E-03	3.27E-04	1.93E-04	1.60E-04
922	564077.82	4191193.15	2.00E-03	3.20E-04	1.89E-04	1.57E-04
923	564086.25	4191179.75	1.93E-03	3.10E-04	1.83E-04	1.52E-04
924	564094.68	4191166.35	1.86E-03	2.98E-04	1.76E-04	1.46E-04
925	564103.12	4191152.96	1.79E-03	2.87E-04	1.70E-04	1.41E-04
926	564111.55	4191139.56	1.74E-03	2.79E-04	1.65E-04	1.37E-04
927	564128.41	4191112.76	1.68E-03	2.69E-04	1.59E-04	1.32E-04
928	564136.85	4191099.36	1.66E-03	2.66E-04	1.57E-04	1.30E-04
929	564145.28	4191085.96	1.65E-03	2.65E-04	1.56E-04	1.29E-04
930	564157.21	4191077.49	1.71E-03	2.74E-04	1.62E-04	1.34E-04
931	564172.65	4191073.96	1.85E-03	2.97E-04	1.75E-04	1.45E-04

932	564188.08	4191070.43	2.03E-03	3.26E-04	1.92E-04	1.59E-04
933	564203.51	4191066.9	2.28E-03	3.65E-04	2.16E-04	1.79E-04
934	564234.38	4191059.84	3.12E-03	5.01E-04	2.96E-04	2.45E-04
935	564249.82	4191056.31	3.73E-03	5.98E-04	3.53E-04	2.93E-04
936	564280.68	4191049.25	5.03E-03	8.07E-04	4.76E-04	3.95E-04
937	564296.12	4191045.72	5.60E-03	8.99E-04	5.30E-04	4.39E-04
938	564311.55	4191042.19	6.14E-03	9.85E-04	5.81E-04	4.82E-04
939	564326.98	4191038.66	6.59E-03	1.06E-03	6.24E-04	5.17E-04
940	564342.42	4191035.13	6.94E-03	1.11E-03	6.57E-04	5.44E-04
941	564030.05	4191274.94	1.84E-03	2.95E-04	1.74E-04	1.44E-04
942	564027.29	4191291.11	1.85E-03	2.97E-04	1.75E-04	1.45E-04
943	564024.52	4191307.27	1.89E-03	3.04E-04	1.79E-04	1.48E-04
944	564025.94	4191258.23	1.76E-03	2.83E-04	1.67E-04	1.38E-04
945	564034.67	4191244.37	1.84E-03	2.96E-04	1.74E-04	1.45E-04
946	564043.39	4191230.51	1.91E-03	3.06E-04	1.81E-04	1.50E-04
947	564052.11	4191216.65	1.94E-03	3.11E-04	1.84E-04	1.52E-04
948	564060.84	4191202.79	1.93E-03	3.09E-04	1.82E-04	1.51E-04
949	564069.56	4191188.93	1.89E-03	3.03E-04	1.79E-04	1.48E-04
950	564078.28	4191175.06	1.83E-03	2.93E-04	1.73E-04	1.43E-04
951	564087.01	4191161.2	1.76E-03	2.82E-04	1.66E-04	1.38E-04
952	564095.73	4191147.34	1.69E-03	2.71E-04	1.60E-04	1.33E-04
953	564104.45	4191133.48	1.64E-03	2.64E-04	1.56E-04	1.29E-04
954	564121.9	4191105.75	1.59E-03	2.55E-04	1.50E-04	1.25E-04
955	564130.62	4191091.89	1.57E-03	2.52E-04	1.48E-04	1.23E-04
956	564139.35	4191078.03	1.56E-03	2.50E-04	1.48E-04	1.22E-04
957	564151.69	4191069.27	1.61E-03	2.59E-04	1.53E-04	1.27E-04
958	564167.66	4191065.62	1.75E-03	2.81E-04	1.66E-04	1.37E-04
959	564183.62	4191061.97	1.92E-03	3.08E-04	1.82E-04	1.51E-04
960	564199.59	4191058.32	2.15E-03	3.46E-04	2.04E-04	1.69E-04
961	564263.45	4191043.71	4.18E-03	6.70E-04	3.95E-04	3.28E-04
962	564279.42	4191040.06	4.78E-03	7.66E-04	4.52E-04	3.75E-04
963	564295.39	4191036.41	5.33E-03	8.55E-04	5.04E-04	4.18E-04
964	564311.35	4191032.76	5.84E-03	9.36E-04	5.52E-04	4.58E-04
965	564327.32	4191029.11	6.26E-03	1.00E-03	5.93E-04	4.91E-04
966	564343.28	4191025.46	6.57E-03	1.05E-03	6.22E-04	5.15E-04
967	564020.2	4191273.25	1.73E-03	2.77E-04	1.64E-04	1.36E-04
968	564017.43	4191289.42	1.74E-03	2.80E-04	1.65E-04	1.37E-04
969	564014.66	4191305.59	1.78E-03	2.85E-04	1.68E-04	1.40E-04
970	564016.08	4191256.56	1.66E-03	2.67E-04	1.58E-04	1.31E-04
971	564024.78	4191242.73	1.74E-03	2.78E-04	1.64E-04	1.36E-04
972	564033.48	4191228.9	1.80E-03	2.89E-04	1.70E-04	1.41E-04
973	564042.19	4191215.07	1.83E-03	2.94E-04	1.74E-04	1.44E-04
974	564050.89	4191201.24	1.83E-03	2.93E-04	1.73E-04	1.43E-04
975	564059.59	4191187.41	1.79E-03	2.88E-04	1.70E-04	1.41E-04
976	564068.3	4191173.58	1.74E-03	2.79E-04	1.65E-04	1.37E-04
977	564077	4191159.75	1.68E-03	2.69E-04	1.59E-04	1.32E-04
978	564085.7	4191145.92	1.61E-03	2.59E-04	1.53E-04	1.27E-04
979	564094.41	4191132.09	1.57E-03	2.51E-04	1.48E-04	1.23E-04
980	564111.81	4191104.43	1.51E-03	2.43E-04	1.43E-04	1.19E-04
981	564120.52	4191090.6	1.49E-03	2.39E-04	1.41E-04	1.17E-04
982	564129.22	4191076.77	1.48E-03	2.37E-04	1.40E-04	1.16E-04
983	564145.89	4191061.12	1.53E-03	2.45E-04	1.45E-04	1.20E-04

984	564161.82	4191057.48	1.65E-03	2.65E-04	1.56E-04	1.29E-04
985	564177.75	4191053.84	1.81E-03	2.90E-04	1.71E-04	1.42E-04
986	564193.68	4191050.19	2.01E-03	3.23E-04	1.90E-04	1.58E-04
987	564225.54	4191042.91	2.71E-03	4.35E-04	2.57E-04	2.13E-04
988	564241.46	4191039.26	3.22E-03	5.17E-04	3.05E-04	2.53E-04
989	564257.39	4191035.62	3.80E-03	6.09E-04	3.60E-04	2.98E-04
990	564273.32	4191031.98	4.37E-03	7.01E-04	4.14E-04	3.43E-04
991	564289.25	4191028.33	4.90E-03	7.87E-04	4.64E-04	3.85E-04
992	564305.18	4191024.69	5.39E-03	8.64E-04	5.10E-04	4.23E-04
993	564321.11	4191021.05	5.81E-03	9.32E-04	5.50E-04	4.56E-04
994	564337.04	4191017.4	6.12E-03	9.82E-04	5.79E-04	4.80E-04
995	564352.97	4191013.76	6.33E-03	1.02E-03	5.99E-04	4.96E-04
996	564010.34	4191271.56	1.63E-03	2.62E-04	1.54E-04	1.28E-04
997	564007.57	4191287.73	1.64E-03	2.63E-04	1.55E-04	1.29E-04
998	564004.81	4191303.9	1.67E-03	2.69E-04	1.59E-04	1.31E-04
999	564300.73	4191371.94	2.59E-01	4.16E-02	2.45E-02	2.03E-02
1000	564317.18	4191377.49	3.62E-01	5.80E-02	3.42E-02	2.84E-02
1001	564327.03	4191379	3.73E-01	5.98E-02	3.53E-02	2.92E-02
1002	564336.88	4191380.52	3.34E-01	5.36E-02	3.17E-02	2.62E-02
1003	564299.21	4191381.82	1.99E-01	3.19E-02	1.88E-02	1.56E-02
1004	564284.28	4191366.22	1.29E-01	2.07E-02	1.22E-02	1.01E-02
1005	564315.66	4191387.38	2.36E-01	3.79E-02	2.24E-02	1.86E-02
1006	564325.51	4191388.89	2.37E-01	3.81E-02	2.25E-02	1.86E-02
1007	564335.37	4191390.4	2.18E-01	3.51E-02	2.07E-02	1.71E-02
1008	564297.69	4191391.71	1.52E-01	2.44E-02	1.44E-02	1.19E-02
1009	564284.5	4191383.63	1.21E-01	1.95E-02	1.15E-02	9.53E-03
1010	564276.16	4191372.06	9.49E-02	1.52E-02	8.98E-03	7.44E-03
1011	564314.14	4191397.26	1.65E-01	2.65E-02	1.56E-02	1.30E-02
1012	564323.99	4191398.77	1.64E-01	2.63E-02	1.55E-02	1.29E-02
1013	564333.85	4191400.29	1.53E-01	2.46E-02	1.45E-02	1.20E-02
1014	564294.53	4191400.58	1.17E-01	1.88E-02	1.11E-02	9.21E-03
1015	564286.28	4191395.54	1.09E-01	1.75E-02	1.03E-02	8.57E-03
1016	564278.04	4191390.49	9.43E-02	1.51E-02	8.92E-03	7.39E-03
1017	564267.62	4191376.02	7.16E-02	1.15E-02	6.78E-03	5.62E-03
1018	564265.44	4191366.61	6.34E-02	1.02E-02	6.00E-03	4.97E-03
1019	564302.77	4191405.63	1.17E-01	1.87E-02	1.11E-02	9.17E-03
1020	564312.62	4191407.14	1.21E-01	1.95E-02	1.15E-02	9.53E-03
1021	564322.48	4191408.66	1.20E-01	1.92E-02	1.13E-02	9.40E-03
1022	564332.33	4191410.17	1.13E-01	1.82E-02	1.07E-02	8.89E-03
1023	564293.34	4191410.67	9.34E-02	1.50E-02	8.84E-03	7.32E-03
1024	564285.42	4191405.82	9.07E-02	1.46E-02	8.59E-03	7.12E-03
1025	564277.51	4191400.98	8.32E-02	1.34E-02	7.88E-03	6.53E-03
1026	564269.6	4191396.13	7.25E-02	1.16E-02	6.86E-03	5.69E-03
1027	564259.59	4191382.25	5.75E-02	9.22E-03	5.44E-03	4.51E-03
1028	564257.5	4191373.21	5.21E-02	8.36E-03	4.93E-03	4.09E-03
1029	564255.41	4191364.17	4.55E-02	7.31E-03	4.31E-03	3.57E-03
1030	564301.25	4191415.51	9.12E-02	1.46E-02	8.64E-03	7.16E-03
1031	564311.1	4191417.03	9.33E-02	1.50E-02	8.83E-03	7.32E-03
1032	564320.96	4191418.54	9.17E-02	1.47E-02	8.68E-03	7.20E-03
1033	564330.81	4191420.05	8.75E-02	1.40E-02	8.28E-03	6.86E-03
1034	564292.04	4191420.69	7.55E-02	1.21E-02	7.15E-03	5.92E-03
1035	564284.35	4191415.98	7.51E-02	1.21E-02	7.11E-03	5.89E-03

1036	564276.65	4191411.27	7.17E-02	1.15E-02	6.79E-03	5.63E-03
1037	564268.96	4191406.56	6.55E-02	1.05E-02	6.20E-03	5.14E-03
1038	564261.26	4191401.84	5.77E-02	9.25E-03	5.46E-03	4.52E-03
1039	564251.53	4191388.34	4.71E-02	7.56E-03	4.46E-03	3.70E-03
1040	564247.47	4191370.77	3.90E-02	6.25E-03	3.69E-03	3.06E-03
1041	564299.73	4191425.4	7.31E-02	1.17E-02	6.92E-03	5.73E-03
1042	564309.59	4191426.91	7.39E-02	1.19E-02	7.00E-03	5.80E-03
1043	564319.44	4191428.43	7.25E-02	1.16E-02	6.87E-03	5.69E-03
1044	564329.29	4191429.94	6.95E-02	1.12E-02	6.58E-03	5.45E-03
1045	564290.68	4191430.67	6.21E-02	9.96E-03	5.88E-03	4.87E-03
1046	564275.6	4191421.44	6.13E-02	9.84E-03	5.81E-03	4.81E-03
1047	564260.53	4191412.21	5.30E-02	8.50E-03	5.02E-03	4.16E-03
1048	564243.46	4191394.37	3.93E-02	6.30E-03	3.72E-03	3.08E-03
1049	564239.48	4191377.15	3.36E-02	5.39E-03	3.18E-03	2.64E-03
1050	564235.49	4191359.93	2.61E-02	4.19E-03	2.47E-03	2.05E-03
1051	564308.07	4191436.8	6.00E-02	9.62E-03	5.68E-03	4.71E-03
1052	564317.92	4191438.31	5.88E-02	9.44E-03	5.57E-03	4.61E-03
1053	564327.78	4191439.82	5.66E-02	9.09E-03	5.36E-03	4.44E-03
1054	564288.22	4191439.98	5.20E-02	8.34E-03	4.92E-03	4.08E-03
1055	564279.74	4191434.78	5.29E-02	8.48E-03	5.00E-03	4.15E-03
1056	564271.26	4191429.59	5.20E-02	8.34E-03	4.92E-03	4.08E-03
1057	564262.78	4191424.4	4.93E-02	7.91E-03	4.66E-03	3.87E-03
1058	564254.3	4191419.21	4.50E-02	7.22E-03	4.26E-03	3.53E-03
1059	564245.82	4191414.02	3.98E-02	6.39E-03	3.77E-03	3.13E-03
1060	564235.1	4191399.14	3.30E-02	5.29E-03	3.12E-03	2.59E-03
1061	564232.86	4191389.45	3.08E-02	4.94E-03	2.92E-03	2.42E-03
1062	564230.62	4191379.77	2.80E-02	4.49E-03	2.65E-03	2.20E-03
1063	564228.38	4191370.08	2.47E-02	3.97E-03	2.34E-03	1.94E-03
1064	564226.13	4191360.4	2.14E-02	3.44E-03	2.03E-03	1.68E-03
1065	564296.7	4191445.17	4.96E-02	7.96E-03	4.70E-03	3.89E-03
1066	564306.55	4191446.68	4.96E-02	7.96E-03	4.70E-03	3.89E-03
1067	564316.4	4191448.19	4.87E-02	7.81E-03	4.61E-03	3.82E-03
1068	564326.26	4191449.71	4.71E-02	7.55E-03	4.46E-03	3.69E-03
1069	564286.94	4191450	4.39E-02	7.04E-03	4.16E-03	3.44E-03
1070	564278.69	4191444.96	4.51E-02	7.23E-03	4.26E-03	3.53E-03
1071	564270.45	4191439.91	4.50E-02	7.22E-03	4.26E-03	3.53E-03
1072	564262.2	4191434.86	4.37E-02	7.01E-03	4.14E-03	3.43E-03
1073	564253.96	4191429.81	4.12E-02	6.61E-03	3.90E-03	3.23E-03
1074	564245.72	4191424.77	3.77E-02	6.04E-03	3.57E-03	2.96E-03
1075	564237.47	4191419.72	3.36E-02	5.40E-03	3.18E-03	2.64E-03
1076	564227.05	4191405.26	2.83E-02	4.54E-03	2.68E-03	2.22E-03
1077	564224.87	4191395.84	2.67E-02	4.28E-03	2.53E-03	2.09E-03
1078	564222.69	4191386.42	2.46E-02	3.95E-03	2.33E-03	1.93E-03
1079	564220.51	4191377	2.22E-02	3.57E-03	2.11E-03	1.74E-03
1080	564218.33	4191367.59	1.97E-02	3.15E-03	1.86E-03	1.54E-03
1081	564216.15	4191358.17	1.72E-02	2.76E-03	1.63E-03	1.35E-03
1082	564261.42	4191445.19	3.86E-02	6.19E-03	3.66E-03	3.03E-03
1083	564253.36	4191440.26	3.72E-02	5.96E-03	3.52E-03	2.92E-03
1084	564245.3	4191435.32	3.49E-02	5.60E-03	3.31E-03	2.74E-03
1085	564237.24	4191430.39	3.20E-02	5.14E-03	3.03E-03	2.51E-03
1086	564229.18	4191425.45	2.88E-02	4.62E-03	2.73E-03	2.26E-03
1087	564218.99	4191411.31	2.46E-02	3.95E-03	2.33E-03	1.93E-03

1088	564216.85	4191402.1	2.33E-02	3.74E-03	2.21E-03	1.83E-03
1089	564214.72	4191392.9	2.18E-02	3.49E-03	2.06E-03	1.71E-03
1090	564212.59	4191383.69	2.00E-02	3.20E-03	1.89E-03	1.57E-03
1091	564210.46	4191374.48	1.80E-02	2.89E-03	1.70E-03	1.41E-03
1092	564208.33	4191365.27	1.60E-02	2.56E-03	1.51E-03	1.25E-03
1093	564206.2	4191356.06	1.41E-02	2.26E-03	1.33E-03	1.10E-03
1094	564236.75	4191440.9	3.00E-02	4.81E-03	2.84E-03	2.35E-03
1095	564228.83	4191436.06	2.76E-02	4.43E-03	2.61E-03	2.17E-03
1096	564220.92	4191431.21	2.50E-02	4.01E-03	2.37E-03	1.96E-03
1097	564210.91	4191417.32	2.16E-02	3.47E-03	2.05E-03	1.70E-03
1098	564208.82	4191408.28	2.06E-02	3.30E-03	1.95E-03	1.62E-03
1099	564206.73	4191399.24	1.94E-02	3.11E-03	1.83E-03	1.52E-03
1100	564204.63	4191390.2	1.80E-02	2.88E-03	1.70E-03	1.41E-03
1101	564202.54	4191381.16	1.64E-02	2.63E-03	1.55E-03	1.29E-03
1102	564200.45	4191372.12	1.48E-02	2.38E-03	1.40E-03	1.16E-03
1103	564198.36	4191363.08	1.32E-02	2.12E-03	1.25E-03	1.04E-03
1104	564196.27	4191354.04	1.18E-02	1.89E-03	1.11E-03	9.24E-04
1105	564292.14	4191474.82	3.09E-02	4.96E-03	2.93E-03	2.42E-03
1106	564302	4191476.33	3.07E-02	4.92E-03	2.90E-03	2.41E-03
1107	564311.85	4191477.85	3.01E-02	4.83E-03	2.85E-03	2.36E-03
1108	564321.7	4191479.36	2.94E-02	4.71E-03	2.78E-03	2.30E-03
1109	564267.24	4191470.39	3.00E-02	4.82E-03	2.84E-03	2.36E-03
1110	564259.45	4191465.62	3.02E-02	4.85E-03	2.86E-03	2.37E-03
1111	564251.66	4191460.84	2.99E-02	4.80E-03	2.83E-03	2.35E-03
1112	564212.68	4191436.98	2.19E-02	3.51E-03	2.07E-03	1.72E-03
1113	564202.83	4191423.31	1.92E-02	3.07E-03	1.81E-03	1.50E-03
1114	564198.71	4191405.5	1.74E-02	2.79E-03	1.64E-03	1.36E-03
1115	564196.65	4191396.6	1.62E-02	2.61E-03	1.54E-03	1.27E-03
1116	564192.53	4191378.79	1.37E-02	2.20E-03	1.30E-03	1.08E-03
1117	564290.63	4191484.7	2.70E-02	4.34E-03	2.56E-03	2.12E-03
1118	564300.48	4191486.22	2.68E-02	4.29E-03	2.53E-03	2.10E-03
1119	564310.33	4191487.73	2.63E-02	4.22E-03	2.49E-03	2.06E-03
1120	564320.19	4191489.24	2.56E-02	4.11E-03	2.43E-03	2.01E-03
1121	564263.93	4191479.17	2.67E-02	4.28E-03	2.53E-03	2.09E-03
1122	564255.53	4191474.03	2.69E-02	4.32E-03	2.55E-03	2.11E-03
1123	564247.14	4191468.89	2.67E-02	4.28E-03	2.53E-03	2.09E-03
1124	564238.75	4191463.75	2.59E-02	4.16E-03	2.46E-03	2.04E-03
1125	564230.35	4191458.61	2.48E-02	3.97E-03	2.34E-03	1.94E-03
1126	564194.56	4191428.47	1.71E-02	2.74E-03	1.62E-03	1.34E-03
1127	564192.34	4191418.88	1.63E-02	2.62E-03	1.55E-03	1.28E-03
1128	564190.12	4191409.29	1.54E-02	2.48E-03	1.46E-03	1.21E-03
1129	564176.81	4191351.76	8.78E-03	1.41E-03	8.31E-04	6.89E-04
1130	564174.59	4191342.17	7.92E-03	1.27E-03	7.49E-04	6.21E-04
1131	564289.11	4191494.59	2.38E-02	3.83E-03	2.26E-03	1.87E-03
1132	564298.96	4191496.1	2.36E-02	3.78E-03	2.23E-03	1.85E-03
1133	564308.81	4191497.61	2.31E-02	3.71E-03	2.19E-03	1.82E-03
1134	564318.67	4191499.13	2.26E-02	3.62E-03	2.14E-03	1.77E-03
1135	564262.86	4191489.33	2.37E-02	3.81E-03	2.25E-03	1.86E-03
1136	564254.61	4191484.28	2.41E-02	3.86E-03	2.28E-03	1.89E-03
1137	564246.37	4191479.24	2.41E-02	3.86E-03	2.28E-03	1.89E-03
1138	564238.13	4191474.19	2.37E-02	3.80E-03	2.24E-03	1.86E-03
1139	564229.88	4191469.14	2.29E-02	3.68E-03	2.17E-03	1.80E-03

1140	564221.64	4191464.09	2.18E-02	3.50E-03	2.07E-03	1.71E-03
1141	564213.4	4191459.05	2.05E-02	3.29E-03	1.94E-03	1.61E-03
1142	564205.15	4191454	1.90E-02	3.04E-03	1.80E-03	1.49E-03
1143	564173.41	4191377.98	1.03E-02	1.65E-03	9.73E-04	8.07E-04
1144	564171.23	4191368.57	9.33E-03	1.50E-03	8.83E-04	7.32E-04
1145	564169.05	4191359.15	8.44E-03	1.35E-03	7.99E-04	6.62E-04
1146	564166.87	4191349.73	7.63E-03	1.22E-03	7.23E-04	5.99E-04
1147	564164.69	4191340.32	6.94E-03	1.11E-03	6.57E-04	5.44E-04
1148	564287.59	4191504.47	2.12E-02	3.40E-03	2.01E-03	1.66E-03
1149	564297.44	4191505.98	2.09E-02	3.36E-03	1.98E-03	1.64E-03
1150	564307.3	4191507.5	2.06E-02	3.30E-03	1.95E-03	1.61E-03
1151	564317.15	4191509.01	2.01E-02	3.22E-03	1.90E-03	1.58E-03
1152	564261.72	4191499.45	2.12E-02	3.41E-03	2.01E-03	1.67E-03
1153	564253.6	4191494.48	2.16E-02	3.47E-03	2.05E-03	1.70E-03
1154	564245.49	4191489.51	2.18E-02	3.49E-03	2.06E-03	1.71E-03
1155	564237.37	4191484.54	2.16E-02	3.46E-03	2.04E-03	1.69E-03
1156	564229.25	4191479.57	2.11E-02	3.39E-03	2.00E-03	1.66E-03
1157	564221.14	4191474.6	2.04E-02	3.27E-03	1.93E-03	1.60E-03
1158	564213.02	4191469.63	1.94E-02	3.11E-03	1.84E-03	1.52E-03
1159	564204.9	4191464.66	1.82E-02	2.92E-03	1.72E-03	1.43E-03
1160	564196.79	4191459.69	1.69E-02	2.72E-03	1.60E-03	1.33E-03
1161	564188.67	4191454.72	1.56E-02	2.50E-03	1.48E-03	1.22E-03
1162	564171.97	4191412.66	1.21E-02	1.95E-03	1.15E-03	9.52E-04
1163	564169.82	4191403.39	1.14E-02	1.83E-03	1.08E-03	8.93E-04
1164	564167.68	4191394.12	1.06E-02	1.69E-03	1.00E-03	8.29E-04
1165	564165.53	4191384.84	9.72E-03	1.56E-03	9.20E-04	7.62E-04
1166	564163.38	4191375.57	8.88E-03	1.42E-03	8.40E-04	6.96E-04
1167	564161.24	4191366.3	8.09E-03	1.30E-03	7.66E-04	6.35E-04
1168	564159.09	4191357.03	7.36E-03	1.18E-03	6.96E-04	5.77E-04
1169	564156.95	4191347.76	6.70E-03	1.08E-03	6.35E-04	5.26E-04
1170	564154.8	4191338.48	6.13E-03	9.83E-04	5.80E-04	4.81E-04
1171	564286.07	4191514.36	1.90E-02	3.04E-03	1.79E-03	1.49E-03
1172	564295.92	4191515.87	1.87E-02	3.00E-03	1.77E-03	1.47E-03
1173	564305.78	4191517.38	1.84E-02	2.95E-03	1.74E-03	1.44E-03
1174	564315.63	4191518.9	1.80E-02	2.89E-03	1.70E-03	1.41E-03
1175	564260.53	4191509.53	1.91E-02	3.06E-03	1.81E-03	1.50E-03
1176	564252.52	4191504.63	1.95E-02	3.13E-03	1.85E-03	1.53E-03
1177	564244.51	4191499.72	1.97E-02	3.16E-03	1.87E-03	1.55E-03
1178	564236.5	4191494.82	1.97E-02	3.16E-03	1.86E-03	1.55E-03
1179	564228.5	4191489.92	1.95E-02	3.12E-03	1.84E-03	1.53E-03
1180	564220.49	4191485.02	1.90E-02	3.04E-03	1.80E-03	1.49E-03
1181	564212.48	4191480.11	1.83E-02	2.93E-03	1.73E-03	1.43E-03
1182	564204.47	4191475.21	1.74E-02	2.79E-03	1.64E-03	1.36E-03
1183	564196.46	4191470.31	1.63E-02	2.62E-03	1.55E-03	1.28E-03
1184	564188.46	4191465.4	1.52E-02	2.44E-03	1.44E-03	1.20E-03
1185	564168.2	4191437.3	1.22E-02	1.96E-03	1.16E-03	9.58E-04
1186	564166.09	4191428.15	1.17E-02	1.88E-03	1.11E-03	9.20E-04
1187	564163.97	4191419	1.12E-02	1.79E-03	1.06E-03	8.76E-04
1188	564161.85	4191409.86	1.05E-02	1.69E-03	9.98E-04	8.27E-04
1189	564159.74	4191400.71	9.87E-03	1.58E-03	9.34E-04	7.74E-04
1190	564157.62	4191391.56	9.16E-03	1.47E-03	8.67E-04	7.18E-04
1191	564155.5	4191382.41	8.44E-03	1.35E-03	7.99E-04	6.62E-04

1192	564153.38	4191373.26	7.74E-03	1.24E-03	7.33E-04	6.07E-04
1193	564151.27	4191364.12	7.08E-03	1.14E-03	6.71E-04	5.56E-04
1194	564149.15	4191354.97	6.48E-03	1.04E-03	6.13E-04	5.08E-04
1195	564147.03	4191345.82	5.93E-03	9.52E-04	5.62E-04	4.66E-04
1196	564144.92	4191336.67	5.45E-03	8.75E-04	5.16E-04	4.28E-04
1197	564284.55	4191524.24	1.71E-02	2.74E-03	1.62E-03	1.34E-03
1198	564294.41	4191525.75	1.69E-02	2.70E-03	1.60E-03	1.32E-03
1199	564304.26	4191527.27	1.66E-02	2.66E-03	1.57E-03	1.30E-03
1200	564314.11	4191528.78	1.62E-02	2.60E-03	1.54E-03	1.27E-03
1201	564257.6	4191518.55	1.73E-02	2.78E-03	1.64E-03	1.36E-03
1202	564249.12	4191513.36	1.77E-02	2.85E-03	1.68E-03	1.39E-03
1203	564240.64	4191508.17	1.80E-02	2.88E-03	1.70E-03	1.41E-03
1204	564232.16	4191502.97	1.80E-02	2.88E-03	1.70E-03	1.41E-03
1205	564223.68	4191497.78	1.78E-02	2.85E-03	1.68E-03	1.39E-03
1206	564215.2	4191492.59	1.73E-02	2.78E-03	1.64E-03	1.36E-03
1207	564206.72	4191487.4	1.67E-02	2.68E-03	1.58E-03	1.31E-03
1208	564198.24	4191482.21	1.59E-02	2.55E-03	1.51E-03	1.25E-03
1209	564189.76	4191477.02	1.50E-02	2.40E-03	1.42E-03	1.17E-03
1210	564181.28	4191471.83	1.39E-02	2.24E-03	1.32E-03	1.09E-03
1211	564162.08	4191451.76	1.15E-02	1.85E-03	1.09E-03	9.03E-04
1212	564159.84	4191442.07	1.11E-02	1.79E-03	1.05E-03	8.74E-04
1213	564157.6	4191432.38	1.07E-02	1.71E-03	1.01E-03	8.39E-04
1214	564155.36	4191422.7	1.02E-02	1.63E-03	9.63E-04	7.98E-04
1215	564153.12	4191413.01	9.58E-03	1.54E-03	9.07E-04	7.52E-04
1216	564150.88	4191403.33	8.96E-03	1.44E-03	8.48E-04	7.03E-04
1217	564148.63	4191393.64	8.31E-03	1.33E-03	7.87E-04	6.52E-04
1218	564146.39	4191383.95	7.66E-03	1.23E-03	7.25E-04	6.01E-04
1219	564144.15	4191374.27	7.02E-03	1.13E-03	6.64E-04	5.50E-04
1220	564141.91	4191364.58	6.41E-03	1.03E-03	6.06E-04	5.03E-04
1221	564139.67	4191354.89	5.84E-03	9.38E-04	5.53E-04	4.59E-04
1222	564137.42	4191345.21	5.34E-03	8.57E-04	5.06E-04	4.19E-04
1223	564135.18	4191335.52	4.91E-03	7.87E-04	4.65E-04	3.85E-04
1224	564283.03	4191534.12	1.54E-02	2.48E-03	1.46E-03	1.21E-03
1225	564292.89	4191535.64	1.52E-02	2.45E-03	1.44E-03	1.20E-03
1226	564302.74	4191537.15	1.50E-02	2.40E-03	1.42E-03	1.18E-03
1227	564312.59	4191538.66	1.47E-02	2.36E-03	1.39E-03	1.15E-03
1228	564256.46	4191528.66	1.57E-02	2.52E-03	1.49E-03	1.23E-03
1229	564248.1	4191523.55	1.61E-02	2.59E-03	1.53E-03	1.26E-03
1230	564239.75	4191518.44	1.64E-02	2.63E-03	1.55E-03	1.29E-03
1231	564231.4	4191513.32	1.65E-02	2.64E-03	1.56E-03	1.29E-03
1232	564223.04	4191508.21	1.64E-02	2.63E-03	1.55E-03	1.29E-03
1233	564214.69	4191503.09	1.62E-02	2.59E-03	1.53E-03	1.27E-03
1234	564206.33	4191497.98	1.57E-02	2.52E-03	1.49E-03	1.23E-03
1235	564197.98	4191492.86	1.51E-02	2.43E-03	1.43E-03	1.19E-03
1236	564189.63	4191487.75	1.44E-02	2.31E-03	1.36E-03	1.13E-03
1237	564181.27	4191482.63	1.35E-02	2.17E-03	1.28E-03	1.06E-03
1238	564164.57	4191472.4	1.17E-02	1.88E-03	1.11E-03	9.21E-04
1239	564154	4191457.75	1.06E-02	1.70E-03	1.00E-03	8.29E-04
1240	564151.8	4191448.2	1.03E-02	1.65E-03	9.71E-04	8.05E-04
1241	564149.59	4191438.66	9.88E-03	1.59E-03	9.35E-04	7.75E-04
1242	564147.38	4191429.12	9.44E-03	1.51E-03	8.94E-04	7.41E-04
1243	564145.17	4191419.58	8.95E-03	1.44E-03	8.47E-04	7.02E-04

1244	564142.96	4191410.03	8.41E-03	1.35E-03	7.96E-04	6.60E-04
1245	564140.75	4191400.49	7.86E-03	1.26E-03	7.44E-04	6.17E-04
1246	564138.54	4191390.95	7.30E-03	1.17E-03	6.91E-04	5.72E-04
1247	564136.34	4191381.4	6.73E-03	1.08E-03	6.37E-04	5.28E-04
1248	564134.13	4191371.86	6.18E-03	9.92E-04	5.85E-04	4.85E-04
1249	564131.92	4191362.32	5.67E-03	9.09E-04	5.36E-04	4.45E-04
1250	564129.71	4191352.78	5.20E-03	8.34E-04	4.92E-04	4.08E-04
1251	564127.5	4191343.23	4.78E-03	7.67E-04	4.52E-04	3.75E-04
1252	564125.29	4191333.69	4.42E-03	7.09E-04	4.18E-04	3.47E-04
1253	564281.52	4191544.01	1.40E-02	2.25E-03	1.33E-03	1.10E-03
1254	564291.37	4191545.52	1.39E-02	2.22E-03	1.31E-03	1.09E-03
1255	564301.22	4191547.03	1.36E-02	2.19E-03	1.29E-03	1.07E-03
1256	564311.08	4191548.55	1.34E-02	2.15E-03	1.27E-03	1.05E-03
1257	564255.27	4191538.75	1.43E-02	2.30E-03	1.36E-03	1.12E-03
1258	564247.02	4191533.7	1.47E-02	2.36E-03	1.39E-03	1.15E-03
1259	564238.78	4191528.66	1.50E-02	2.40E-03	1.42E-03	1.17E-03
1260	564230.54	4191523.61	1.51E-02	2.43E-03	1.43E-03	1.19E-03
1261	564222.29	4191518.56	1.52E-02	2.43E-03	1.43E-03	1.19E-03
1262	564214.05	4191513.51	1.50E-02	2.41E-03	1.42E-03	1.18E-03
1263	564205.81	4191508.47	1.47E-02	2.36E-03	1.39E-03	1.16E-03
1264	564197.56	4191503.42	1.43E-02	2.29E-03	1.35E-03	1.12E-03
1265	564189.32	4191498.37	1.37E-02	2.20E-03	1.30E-03	1.08E-03
1266	564181.07	4191493.32	1.31E-02	2.10E-03	1.24E-03	1.03E-03
1267	564164.59	4191483.23	1.15E-02	1.85E-03	1.09E-03	9.06E-04
1268	564156.34	4191478.18	1.07E-02	1.72E-03	1.02E-03	8.43E-04
1269	564145.92	4191463.72	9.73E-03	1.56E-03	9.22E-04	7.64E-04
1270	564143.74	4191454.3	9.47E-03	1.52E-03	8.96E-04	7.43E-04
1271	564141.56	4191444.88	9.15E-03	1.47E-03	8.66E-04	7.18E-04
1272	564139.38	4191435.47	8.79E-03	1.41E-03	8.32E-04	6.89E-04
1273	564137.2	4191426.05	8.37E-03	1.34E-03	7.92E-04	6.56E-04
1274	564135.02	4191416.63	7.91E-03	1.27E-03	7.49E-04	6.21E-04
1275	564132.84	4191407.22	7.44E-03	1.19E-03	7.04E-04	5.84E-04
1276	564130.66	4191397.8	6.95E-03	1.11E-03	6.58E-04	5.45E-04
1277	564128.48	4191388.38	6.45E-03	1.03E-03	6.11E-04	5.06E-04
1278	564126.3	4191378.96	5.96E-03	9.55E-04	5.64E-04	4.67E-04
1279	564124.13	4191369.55	5.49E-03	8.80E-04	5.19E-04	4.30E-04
1280	564121.95	4191360.13	5.05E-03	8.10E-04	4.78E-04	3.96E-04
1281	564119.77	4191350.71	4.65E-03	7.47E-04	4.41E-04	3.65E-04
1282	564117.59	4191341.29	4.30E-03	6.90E-04	4.07E-04	3.38E-04
1283	564115.41	4191331.88	4.00E-03	6.42E-04	3.79E-04	3.14E-04
1284	564245.89	4191543.82	1.34E-02	2.16E-03	1.27E-03	1.06E-03
1285	564237.75	4191538.84	1.37E-02	2.20E-03	1.30E-03	1.08E-03
1286	564229.6	4191533.85	1.39E-02	2.23E-03	1.32E-03	1.09E-03
1287	564221.45	4191528.86	1.40E-02	2.25E-03	1.32E-03	1.10E-03
1288	564213.31	4191523.87	1.39E-02	2.24E-03	1.32E-03	1.09E-03
1289	564205.16	4191518.89	1.38E-02	2.21E-03	1.30E-03	1.08E-03
1290	564197.01	4191513.9	1.35E-02	2.16E-03	1.27E-03	1.06E-03
1291	564188.87	4191508.91	1.31E-02	2.09E-03	1.24E-03	1.02E-03
1292	564180.72	4191503.92	1.25E-02	2.01E-03	1.19E-03	9.83E-04
1293	564164.43	4191493.95	1.13E-02	1.81E-03	1.07E-03	8.85E-04
1294	564156.28	4191488.96	1.06E-02	1.70E-03	1.00E-03	8.30E-04
1295	564148.13	4191483.97	9.88E-03	1.58E-03	9.35E-04	7.75E-04

1296	564137.83	4191469.68	8.99E-03	1.44E-03	8.51E-04	7.06E-04
1297	564135.68	4191460.37	8.76E-03	1.41E-03	8.30E-04	6.87E-04
1298	564133.53	4191451.06	8.49E-03	1.36E-03	8.04E-04	6.66E-04
1299	564131.37	4191441.76	8.18E-03	1.31E-03	7.74E-04	6.42E-04
1300	564129.22	4191432.45	7.83E-03	1.26E-03	7.41E-04	6.14E-04
1301	564127.06	4191423.14	7.45E-03	1.19E-03	7.05E-04	5.84E-04
1302	564124.91	4191413.84	7.04E-03	1.13E-03	6.67E-04	5.52E-04
1303	564122.76	4191404.53	6.62E-03	1.06E-03	6.27E-04	5.19E-04
1304	564120.6	4191395.22	6.18E-03	9.91E-04	5.85E-04	4.85E-04
1305	564118.45	4191385.92	5.74E-03	9.20E-04	5.43E-04	4.50E-04
1306	564116.29	4191376.61	5.30E-03	8.51E-04	5.02E-04	4.16E-04
1307	564114.14	4191367.31	4.90E-03	7.86E-04	4.64E-04	3.85E-04
1308	564111.99	4191358	4.53E-03	7.27E-04	4.29E-04	3.55E-04
1309	564109.83	4191348.69	4.19E-03	6.73E-04	3.97E-04	3.29E-04
1310	564107.68	4191339.39	3.90E-03	6.25E-04	3.69E-04	3.06E-04
1311	564105.53	4191330.08	3.64E-03	5.84E-04	3.45E-04	2.86E-04
1312	564278.48	4191563.78	1.17E-02	1.88E-03	1.11E-03	9.19E-04
1313	564268.9	4191568.73	1.12E-02	1.80E-03	1.06E-03	8.78E-04
1314	564260.84	4191563.79	1.16E-02	1.86E-03	1.10E-03	9.10E-04
1315	564252.78	4191558.85	1.20E-02	1.92E-03	1.14E-03	9.41E-04
1316	564220.54	4191539.11	1.29E-02	2.08E-03	1.23E-03	1.02E-03
1317	564212.48	4191534.18	1.30E-02	2.08E-03	1.23E-03	1.02E-03
1318	564204.42	4191529.24	1.29E-02	2.06E-03	1.22E-03	1.01E-03
1319	564196.36	4191524.31	1.27E-02	2.03E-03	1.20E-03	9.93E-04
1320	564188.3	4191519.37	1.24E-02	1.98E-03	1.17E-03	9.69E-04
1321	564180.24	4191514.44	1.20E-02	1.92E-03	1.13E-03	9.38E-04
1322	564156.06	4191499.63	1.04E-02	1.66E-03	9.80E-04	8.12E-04
1323	564147.99	4191494.7	9.74E-03	1.56E-03	9.22E-04	7.64E-04
1324	564139.93	4191489.76	9.12E-03	1.46E-03	8.63E-04	7.15E-04
1325	564129.74	4191475.62	8.34E-03	1.34E-03	7.90E-04	6.55E-04
1326	564127.61	4191466.41	8.13E-03	1.30E-03	7.70E-04	6.38E-04
1327	564125.48	4191457.2	7.90E-03	1.27E-03	7.48E-04	6.20E-04
1328	564123.35	4191448	7.63E-03	1.22E-03	7.22E-04	5.99E-04
1329	564121.22	4191438.79	7.33E-03	1.18E-03	6.94E-04	5.75E-04
1330	564119.09	4191429.58	7.01E-03	1.12E-03	6.63E-04	5.50E-04
1331	564116.96	4191420.37	6.66E-03	1.07E-03	6.31E-04	5.23E-04
1332	564114.83	4191411.16	6.30E-03	1.01E-03	5.96E-04	4.94E-04
1333	564112.69	4191401.96	5.92E-03	9.49E-04	5.60E-04	4.64E-04
1334	564110.56	4191392.75	5.52E-03	8.86E-04	5.23E-04	4.33E-04
1335	564108.43	4191383.54	5.13E-03	8.24E-04	4.86E-04	4.03E-04
1336	564106.3	4191374.33	4.76E-03	7.64E-04	4.51E-04	3.74E-04
1337	564104.17	4191365.13	4.41E-03	7.08E-04	4.18E-04	3.46E-04
1338	564102.04	4191355.92	4.09E-03	6.57E-04	3.87E-04	3.21E-04
1339	564099.91	4191346.71	3.80E-03	6.09E-04	3.60E-04	2.98E-04
1340	564097.78	4191337.5	3.55E-03	5.69E-04	3.36E-04	2.78E-04
1341	564095.65	4191328.29	3.33E-03	5.34E-04	3.15E-04	2.61E-04
1342	564276.96	4191573.66	1.08E-02	1.73E-03	1.02E-03	8.45E-04
1343	564286.82	4191575.17	1.06E-02	1.71E-03	1.01E-03	8.35E-04
1344	564296.67	4191576.69	1.05E-02	1.68E-03	9.92E-04	8.22E-04
1345	564306.52	4191578.2	1.03E-02	1.65E-03	9.77E-04	8.09E-04
1346	564267.02	4191578.38	1.03E-02	1.66E-03	9.79E-04	8.12E-04
1347	564258.59	4191573.23	1.07E-02	1.72E-03	1.02E-03	8.42E-04

1348	564250.16	4191568.07	1.11E-02	1.78E-03	1.05E-03	8.71E-04
1349	564241.74	4191562.91	1.14E-02	1.83E-03	1.08E-03	8.97E-04
1350	564233.31	4191557.75	1.17E-02	1.88E-03	1.11E-03	9.18E-04
1351	564191.18	4191531.95	1.18E-02	1.89E-03	1.11E-03	9.24E-04
1352	564182.75	4191526.79	1.15E-02	1.84E-03	1.09E-03	9.02E-04
1353	564157.47	4191511.31	1.02E-02	1.63E-03	9.65E-04	7.99E-04
1354	564149.04	4191506.15	9.64E-03	1.55E-03	9.13E-04	7.56E-04
1355	564140.61	4191500.99	9.07E-03	1.45E-03	8.58E-04	7.11E-04
1356	564132.19	4191495.83	8.49E-03	1.36E-03	8.04E-04	6.66E-04
1357	564121.53	4191481.05	7.76E-03	1.24E-03	7.34E-04	6.09E-04
1358	564119.3	4191471.42	7.56E-03	1.21E-03	7.15E-04	5.93E-04
1359	564117.08	4191461.8	7.33E-03	1.18E-03	6.94E-04	5.75E-04
1360	564114.85	4191452.17	7.08E-03	1.14E-03	6.70E-04	5.55E-04
1361	564112.62	4191442.54	6.80E-03	1.09E-03	6.44E-04	5.34E-04
1362	564110.39	4191432.92	6.50E-03	1.04E-03	6.16E-04	5.10E-04
1363	564108.17	4191423.29	6.18E-03	9.92E-04	5.85E-04	4.85E-04
1364	564105.94	4191413.66	5.84E-03	9.37E-04	5.53E-04	4.58E-04
1365	564103.71	4191404.04	5.48E-03	8.79E-04	5.19E-04	4.30E-04
1366	564101.48	4191394.41	5.11E-03	8.20E-04	4.84E-04	4.01E-04
1367	564099.25	4191384.78	4.75E-03	7.63E-04	4.50E-04	3.73E-04
1368	564097.03	4191375.16	4.41E-03	7.07E-04	4.17E-04	3.46E-04
1369	564094.8	4191365.53	4.08E-03	6.55E-04	3.86E-04	3.20E-04
1370	564092.57	4191355.9	3.77E-03	6.06E-04	3.57E-04	2.96E-04
1371	564090.34	4191346.28	3.50E-03	5.61E-04	3.31E-04	2.75E-04
1372	564088.11	4191336.65	3.26E-03	5.24E-04	3.09E-04	2.56E-04
1373	564085.89	4191327.02	3.06E-03	4.91E-04	2.90E-04	2.40E-04
1374	564275.44	4191583.54	9.94E-03	1.60E-03	9.41E-04	7.80E-04
1375	564285.3	4191585.06	9.81E-03	1.57E-03	9.29E-04	7.70E-04
1376	564295.15	4191586.57	9.67E-03	1.55E-03	9.15E-04	7.58E-04
1377	564305	4191588.08	9.53E-03	1.53E-03	9.02E-04	7.47E-04
1378	564265.6	4191588.33	9.57E-03	1.54E-03	9.06E-04	7.51E-04
1379	564257.27	4191583.23	9.92E-03	1.59E-03	9.39E-04	7.79E-04
1380	564248.94	4191578.13	1.03E-02	1.65E-03	9.71E-04	8.05E-04
1381	564240.6	4191573.03	1.06E-02	1.70E-03	1.00E-03	8.29E-04
1382	564232.27	4191567.93	1.08E-02	1.74E-03	1.02E-03	8.49E-04
1383	564223.94	4191562.83	1.10E-02	1.77E-03	1.04E-03	8.65E-04
1384	564215.61	4191557.73	1.12E-02	1.79E-03	1.06E-03	8.75E-04
1385	564207.28	4191552.63	1.12E-02	1.80E-03	1.06E-03	8.80E-04
1386	564157.3	4191522.02	9.87E-03	1.58E-03	9.34E-04	7.74E-04
1387	564148.97	4191516.92	9.42E-03	1.51E-03	8.91E-04	7.39E-04
1388	564140.64	4191511.82	8.92E-03	1.43E-03	8.45E-04	7.00E-04
1389	564132.31	4191506.72	8.41E-03	1.35E-03	7.96E-04	6.60E-04
1390	564123.98	4191501.62	7.90E-03	1.27E-03	7.48E-04	6.20E-04
1391	564113.45	4191487	7.25E-03	1.16E-03	6.86E-04	5.69E-04
1392	564111.24	4191477.49	7.07E-03	1.13E-03	6.69E-04	5.55E-04
1393	564109.04	4191467.97	6.87E-03	1.10E-03	6.50E-04	5.39E-04
1394	564106.84	4191458.46	6.65E-03	1.07E-03	6.29E-04	5.22E-04
1395	564104.64	4191448.94	6.41E-03	1.03E-03	6.07E-04	5.03E-04
1396	564102.43	4191439.42	6.15E-03	9.87E-04	5.82E-04	4.83E-04
1397	564100.23	4191429.91	5.87E-03	9.42E-04	5.56E-04	4.60E-04
1398	564098.03	4191420.39	5.57E-03	8.93E-04	5.27E-04	4.37E-04
1399	564095.83	4191410.87	5.25E-03	8.43E-04	4.97E-04	4.12E-04

1400	564093.62	4191401.36	4.93E-03	7.91E-04	4.67E-04	3.87E-04
1401	564091.42	4191391.84	4.61E-03	7.39E-04	4.36E-04	3.62E-04
1402	564089.22	4191382.32	4.30E-03	6.89E-04	4.07E-04	3.37E-04
1403	564087.02	4191372.81	3.99E-03	6.41E-04	3.78E-04	3.13E-04
1404	564084.81	4191363.29	3.70E-03	5.94E-04	3.51E-04	2.91E-04
1405	564082.61	4191353.78	3.44E-03	5.51E-04	3.25E-04	2.70E-04
1406	564080.41	4191344.26	3.20E-03	5.13E-04	3.03E-04	2.51E-04
1407	564078.21	4191334.74	3.00E-03	4.81E-04	2.84E-04	2.35E-04
1408	564076	4191325.23	2.83E-03	4.53E-04	2.67E-04	2.22E-04
1409	564273.93	4191593.43	9.21E-03	1.48E-03	8.72E-04	7.23E-04
1410	564283.78	4191594.94	9.09E-03	1.46E-03	8.61E-04	7.13E-04
1411	564293.63	4191596.46	8.96E-03	1.44E-03	8.48E-04	7.03E-04
1412	564303.49	4191597.97	8.83E-03	1.42E-03	8.36E-04	6.93E-04
1413	564264.16	4191598.27	8.88E-03	1.43E-03	8.41E-04	6.97E-04
1414	564255.92	4191593.22	9.20E-03	1.48E-03	8.71E-04	7.22E-04
1415	564247.68	4191588.17	9.51E-03	1.53E-03	9.00E-04	7.46E-04
1416	564239.43	4191583.12	9.79E-03	1.57E-03	9.27E-04	7.68E-04
1417	564231.19	4191578.08	1.00E-02	1.61E-03	9.50E-04	7.87E-04
1418	564222.95	4191573.03	1.02E-02	1.64E-03	9.69E-04	8.03E-04
1419	564214.7	4191567.98	1.04E-02	1.67E-03	9.83E-04	8.14E-04
1420	564206.46	4191562.93	1.05E-02	1.68E-03	9.91E-04	8.21E-04
1421	564198.22	4191557.89	1.05E-02	1.68E-03	9.92E-04	8.22E-04
1422	564189.97	4191552.84	1.04E-02	1.67E-03	9.87E-04	8.18E-04
1423	564181.73	4191547.79	1.03E-02	1.65E-03	9.75E-04	8.08E-04
1424	564148.75	4191527.6	9.14E-03	1.47E-03	8.66E-04	7.17E-04
1425	564140.51	4191522.56	8.73E-03	1.40E-03	8.26E-04	6.85E-04
1426	564132.27	4191517.51	8.28E-03	1.33E-03	7.84E-04	6.50E-04
1427	564124.02	4191512.46	7.83E-03	1.26E-03	7.41E-04	6.14E-04
1428	564115.78	4191507.41	7.37E-03	1.18E-03	6.97E-04	5.78E-04
1429	564105.36	4191492.95	6.79E-03	1.09E-03	6.42E-04	5.32E-04
1430	564103.18	4191483.53	6.63E-03	1.06E-03	6.28E-04	5.20E-04
1431	564101	4191474.12	6.45E-03	1.04E-03	6.11E-04	5.06E-04
1432	564098.82	4191464.7	6.26E-03	1.00E-03	5.92E-04	4.91E-04
1433	564096.64	4191455.28	6.05E-03	9.71E-04	5.73E-04	4.75E-04
1434	564094.46	4191445.86	5.82E-03	9.34E-04	5.51E-04	4.57E-04
1435	564092.28	4191436.45	5.58E-03	8.95E-04	5.28E-04	4.38E-04
1436	564090.1	4191427.03	5.31E-03	8.53E-04	5.03E-04	4.17E-04
1437	564087.92	4191417.61	5.03E-03	8.08E-04	4.76E-04	3.95E-04
1438	564085.74	4191408.2	4.74E-03	7.61E-04	4.49E-04	3.72E-04
1439	564083.56	4191398.78	4.46E-03	7.15E-04	4.22E-04	3.50E-04
1440	564081.38	4191389.36	4.17E-03	6.70E-04	3.95E-04	3.28E-04
1441	564079.2	4191379.94	3.90E-03	6.25E-04	3.69E-04	3.06E-04
1442	564077.02	4191370.53	3.63E-03	5.82E-04	3.44E-04	2.85E-04
1443	564074.84	4191361.11	3.38E-03	5.42E-04	3.20E-04	2.65E-04
1444	564072.66	4191351.69	3.15E-03	5.05E-04	2.98E-04	2.47E-04
1445	564070.48	4191342.27	2.95E-03	4.73E-04	2.79E-04	2.31E-04
1446	564068.3	4191332.86	2.77E-03	4.44E-04	2.62E-04	2.17E-04
1447	564066.12	4191323.44	2.62E-03	4.20E-04	2.48E-04	2.05E-04
1448	564272.41	4191603.31	8.56E-03	1.37E-03	8.11E-04	6.72E-04
1449	564282.26	4191604.83	8.45E-03	1.36E-03	8.00E-04	6.63E-04
1450	564292.12	4191606.34	8.33E-03	1.34E-03	7.89E-04	6.54E-04
1451	564301.97	4191607.85	8.22E-03	1.32E-03	7.78E-04	6.45E-04

1452	564262.73	4191608.2	8.27E-03	1.33E-03	7.83E-04	6.49E-04
1453	564254.56	4191603.2	8.56E-03	1.37E-03	8.10E-04	6.71E-04
1454	564246.39	4191598.2	8.83E-03	1.42E-03	8.36E-04	6.93E-04
1455	564238.23	4191593.2	9.10E-03	1.46E-03	8.61E-04	7.14E-04
1456	564230.06	4191588.2	9.32E-03	1.50E-03	8.83E-04	7.32E-04
1457	564221.9	4191583.2	9.52E-03	1.53E-03	9.01E-04	7.47E-04
1458	564213.73	4191578.2	9.67E-03	1.55E-03	9.15E-04	7.59E-04
1459	564205.57	4191573.2	9.78E-03	1.57E-03	9.25E-04	7.67E-04
1460	564197.4	4191568.2	9.82E-03	1.58E-03	9.30E-04	7.71E-04
1461	564189.24	4191563.2	9.81E-03	1.57E-03	9.29E-04	7.69E-04
1462	564181.07	4191558.21	9.73E-03	1.56E-03	9.21E-04	7.64E-04
1463	564123.92	4191523.21	7.71E-03	1.24E-03	7.30E-04	6.05E-04
1464	564115.75	4191518.21	7.30E-03	1.17E-03	6.91E-04	5.73E-04
1465	564107.59	4191513.21	6.89E-03	1.10E-03	6.52E-04	5.40E-04
1466	564097.26	4191498.89	6.36E-03	1.02E-03	6.02E-04	4.99E-04
1467	564095.1	4191489.56	6.23E-03	9.99E-04	5.90E-04	4.89E-04
1468	564092.95	4191480.23	6.07E-03	9.74E-04	5.75E-04	4.77E-04
1469	564090.79	4191470.9	5.90E-03	9.47E-04	5.59E-04	4.63E-04
1470	564088.63	4191461.58	5.72E-03	9.17E-04	5.41E-04	4.49E-04
1471	564086.47	4191452.25	5.52E-03	8.85E-04	5.22E-04	4.33E-04
1472	564084.31	4191442.92	5.31E-03	8.51E-04	5.02E-04	4.16E-04
1473	564082.15	4191433.59	5.07E-03	8.14E-04	4.80E-04	3.98E-04
1474	564079.99	4191424.27	4.82E-03	7.74E-04	4.57E-04	3.79E-04
1475	564077.83	4191414.94	4.57E-03	7.33E-04	4.32E-04	3.58E-04
1476	564075.68	4191405.61	4.31E-03	6.91E-04	4.08E-04	3.38E-04
1477	564073.52	4191396.28	4.05E-03	6.50E-04	3.84E-04	3.18E-04
1478	564071.36	4191386.96	3.80E-03	6.09E-04	3.59E-04	2.98E-04
1479	564069.2	4191377.63	3.55E-03	5.69E-04	3.36E-04	2.78E-04
1480	564067.04	4191368.3	3.31E-03	5.32E-04	3.14E-04	2.60E-04
1481	564064.88	4191358.97	3.10E-03	4.97E-04	2.93E-04	2.43E-04
1482	564062.72	4191349.65	2.90E-03	4.65E-04	2.74E-04	2.27E-04
1483	564060.56	4191340.32	2.72E-03	4.36E-04	2.58E-04	2.13E-04
1484	564058.41	4191330.99	2.57E-03	4.12E-04	2.43E-04	2.01E-04
1485	564056.25	4191321.66	2.43E-03	3.90E-04	2.30E-04	1.91E-04
1486	564270.89	4191613.2	7.98E-03	1.28E-03	7.55E-04	6.26E-04
1487	564280.74	4191614.71	7.88E-03	1.26E-03	7.46E-04	6.18E-04
1488	564290.6	4191616.22	7.77E-03	1.25E-03	7.35E-04	6.09E-04
1489	564300.45	4191617.74	7.66E-03	1.23E-03	7.25E-04	6.01E-04
1490	564260.89	4191617.89	7.73E-03	1.24E-03	7.32E-04	6.06E-04
1491	564252.41	4191612.7	8.00E-03	1.28E-03	7.58E-04	6.28E-04
1492	564243.93	4191607.51	8.27E-03	1.33E-03	7.83E-04	6.49E-04
1493	564235.46	4191602.31	8.52E-03	1.37E-03	8.06E-04	6.68E-04
1494	564226.98	4191597.12	8.73E-03	1.40E-03	8.27E-04	6.85E-04
1495	564218.5	4191591.93	8.92E-03	1.43E-03	8.44E-04	7.00E-04
1496	564210.02	4191586.74	9.07E-03	1.45E-03	8.58E-04	7.11E-04
1497	564201.54	4191581.55	9.17E-03	1.47E-03	8.68E-04	7.20E-04
1498	564193.06	4191576.36	9.22E-03	1.48E-03	8.73E-04	7.23E-04
1499	564184.58	4191571.17	9.21E-03	1.48E-03	8.72E-04	7.23E-04
1500	564176.1	4191565.97	9.15E-03	1.47E-03	8.66E-04	7.18E-04
1501	564150.66	4191550.4	8.59E-03	1.38E-03	8.14E-04	6.74E-04
1502	564099.79	4191519.25	6.48E-03	1.04E-03	6.13E-04	5.08E-04
1503	564089.07	4191504.37	5.98E-03	9.59E-04	5.66E-04	4.69E-04

1504	564086.83	4191494.69	5.85E-03	9.38E-04	5.54E-04	4.59E-04
1505	564084.58	4191485	5.70E-03	9.15E-04	5.40E-04	4.47E-04
1506	564082.34	4191475.31	5.54E-03	8.89E-04	5.25E-04	4.35E-04
1507	564080.1	4191465.63	5.37E-03	8.61E-04	5.08E-04	4.21E-04
1508	564077.86	4191455.94	5.18E-03	8.31E-04	4.90E-04	4.06E-04
1509	564075.62	4191446.26	4.97E-03	7.98E-04	4.71E-04	3.90E-04
1510	564073.37	4191436.57	4.76E-03	7.63E-04	4.50E-04	3.73E-04
1511	564071.13	4191426.88	4.53E-03	7.26E-04	4.28E-04	3.55E-04
1512	564068.89	4191417.2	4.29E-03	6.87E-04	4.06E-04	3.36E-04
1513	564066.65	4191407.51	4.04E-03	6.48E-04	3.83E-04	3.17E-04
1514	564064.41	4191397.82	3.80E-03	6.09E-04	3.59E-04	2.98E-04
1515	564062.17	4191388.14	3.55E-03	5.70E-04	3.36E-04	2.79E-04
1516	564059.92	4191378.45	3.32E-03	5.32E-04	3.14E-04	2.60E-04
1517	564057.68	4191368.77	3.10E-03	4.97E-04	2.93E-04	2.43E-04
1518	564055.44	4191359.08	2.89E-03	4.64E-04	2.74E-04	2.27E-04
1519	564053.2	4191349.39	2.71E-03	4.34E-04	2.56E-04	2.12E-04
1520	564050.96	4191339.71	2.54E-03	4.08E-04	2.41E-04	1.99E-04
1521	564048.72	4191330.02	2.39E-03	3.84E-04	2.27E-04	1.88E-04
1522	564046.47	4191320.33	2.27E-03	3.64E-04	2.15E-04	1.78E-04
1523	564269.37	4191623.08	7.46E-03	1.20E-03	7.06E-04	5.85E-04
1524	564279.23	4191624.59	7.36E-03	1.18E-03	6.97E-04	5.78E-04
1525	564289.08	4191626.11	7.26E-03	1.16E-03	6.87E-04	5.70E-04
1526	564298.93	4191627.62	7.16E-03	1.15E-03	6.78E-04	5.62E-04
1527	564259.46	4191627.83	7.23E-03	1.16E-03	6.84E-04	5.67E-04
1528	564251.07	4191622.69	7.47E-03	1.20E-03	7.08E-04	5.86E-04
1529	564242.67	4191617.55	7.72E-03	1.24E-03	7.31E-04	6.06E-04
1530	564234.28	4191612.41	7.95E-03	1.28E-03	7.52E-04	6.24E-04
1531	564225.89	4191607.27	8.15E-03	1.31E-03	7.72E-04	6.39E-04
1532	564217.49	4191602.13	8.33E-03	1.34E-03	7.89E-04	6.54E-04
1533	564209.1	4191596.99	8.48E-03	1.36E-03	8.03E-04	6.65E-04
1534	564200.71	4191591.85	8.59E-03	1.38E-03	8.13E-04	6.74E-04
1535	564192.31	4191586.71	8.66E-03	1.39E-03	8.20E-04	6.80E-04
1536	564183.92	4191581.57	8.68E-03	1.39E-03	8.22E-04	6.81E-04
1537	564175.52	4191576.44	8.65E-03	1.39E-03	8.19E-04	6.79E-04
1538	564150.34	4191561.02	8.25E-03	1.32E-03	7.81E-04	6.47E-04
1539	564141.95	4191555.88	8.02E-03	1.29E-03	7.59E-04	6.29E-04
1540	564133.56	4191550.74	7.75E-03	1.24E-03	7.33E-04	6.08E-04
1541	564125.16	4191545.6	7.45E-03	1.19E-03	7.05E-04	5.84E-04
1542	564080.98	4191510.32	5.64E-03	9.04E-04	5.34E-04	4.42E-04
1543	564078.76	4191500.73	5.52E-03	8.85E-04	5.22E-04	4.33E-04
1544	564076.54	4191491.14	5.39E-03	8.64E-04	5.10E-04	4.23E-04
1545	564074.32	4191481.55	5.24E-03	8.41E-04	4.96E-04	4.11E-04
1546	564072.1	4191471.96	5.09E-03	8.16E-04	4.81E-04	3.99E-04
1547	564069.88	4191462.38	4.92E-03	7.89E-04	4.65E-04	3.86E-04
1548	564067.66	4191452.79	4.74E-03	7.60E-04	4.48E-04	3.72E-04
1549	564065.44	4191443.2	4.55E-03	7.29E-04	4.30E-04	3.57E-04
1550	564063.22	4191433.61	4.34E-03	6.97E-04	4.11E-04	3.41E-04
1551	564061	4191424.02	4.13E-03	6.63E-04	3.91E-04	3.24E-04
1552	564058.79	4191414.43	3.91E-03	6.28E-04	3.71E-04	3.07E-04
1553	564056.57	4191404.84	3.69E-03	5.93E-04	3.50E-04	2.90E-04
1554	564054.35	4191395.26	3.47E-03	5.57E-04	3.29E-04	2.72E-04
1555	564052.13	4191385.67	3.25E-03	5.22E-04	3.08E-04	2.55E-04

1556	564049.91	4191376.08	3.04E-03	4.88E-04	2.88E-04	2.39E-04
1557	564047.69	4191366.49	2.85E-03	4.57E-04	2.70E-04	2.23E-04
1558	564045.47	4191356.9	2.67E-03	4.28E-04	2.53E-04	2.09E-04
1559	564043.25	4191347.31	2.50E-03	4.01E-04	2.37E-04	1.96E-04
1560	564041.03	4191337.73	2.36E-03	3.78E-04	2.23E-04	1.85E-04
1561	564038.81	4191328.14	2.23E-03	3.57E-04	2.11E-04	1.75E-04
1562	564036.59	4191318.55	2.11E-03	3.39E-04	2.00E-04	1.66E-04
1563	564267.85	4191632.96	6.98E-03	1.12E-03	6.61E-04	5.48E-04
1564	564277.71	4191634.48	6.90E-03	1.11E-03	6.53E-04	5.41E-04
1565	564287.56	4191635.99	6.80E-03	1.09E-03	6.44E-04	5.34E-04
1566	564297.41	4191637.5	6.71E-03	1.08E-03	6.35E-04	5.26E-04
1567	564258.02	4191637.76	6.77E-03	1.09E-03	6.41E-04	5.32E-04
1568	564249.71	4191632.67	7.00E-03	1.12E-03	6.62E-04	5.49E-04
1569	564241.39	4191627.58	7.22E-03	1.16E-03	6.83E-04	5.66E-04
1570	564233.07	4191622.48	7.43E-03	1.19E-03	7.04E-04	5.83E-04
1571	564224.76	4191617.39	7.62E-03	1.22E-03	7.22E-04	5.98E-04
1572	564216.44	4191612.3	7.80E-03	1.25E-03	7.38E-04	6.12E-04
1573	564208.13	4191607.21	7.94E-03	1.27E-03	7.52E-04	6.23E-04
1574	564199.81	4191602.12	8.06E-03	1.29E-03	7.63E-04	6.32E-04
1575	564191.5	4191597.03	8.14E-03	1.31E-03	7.71E-04	6.39E-04
1576	564183.18	4191591.94	8.18E-03	1.31E-03	7.74E-04	6.42E-04
1577	564174.87	4191586.85	8.18E-03	1.31E-03	7.74E-04	6.41E-04
1578	564149.92	4191571.57	7.89E-03	1.27E-03	7.47E-04	6.19E-04
1579	564141.61	4191566.48	7.71E-03	1.24E-03	7.30E-04	6.05E-04
1580	564133.29	4191561.39	7.49E-03	1.20E-03	7.09E-04	5.88E-04
1581	564124.97	4191556.3	7.24E-03	1.16E-03	6.85E-04	5.68E-04
1582	564116.66	4191551.21	6.96E-03	1.12E-03	6.59E-04	5.46E-04
1583	564108.34	4191546.12	6.67E-03	1.07E-03	6.31E-04	5.23E-04
1584	564100.03	4191541.03	6.36E-03	1.02E-03	6.02E-04	4.99E-04
1585	564091.71	4191535.93	6.05E-03	9.70E-04	5.73E-04	4.75E-04
1586	564072.88	4191516.25	5.32E-03	8.54E-04	5.04E-04	4.18E-04
1587	564070.69	4191506.75	5.22E-03	8.37E-04	4.94E-04	4.10E-04
1588	564068.49	4191497.25	5.10E-03	8.18E-04	4.83E-04	4.00E-04
1589	564066.29	4191487.76	4.97E-03	7.98E-04	4.71E-04	3.90E-04
1590	564064.09	4191478.26	4.83E-03	7.75E-04	4.57E-04	3.79E-04
1591	564061.89	4191468.76	4.67E-03	7.50E-04	4.42E-04	3.67E-04
1592	564059.69	4191459.26	4.51E-03	7.24E-04	4.27E-04	3.54E-04
1593	564057.5	4191449.76	4.34E-03	6.97E-04	4.11E-04	3.41E-04
1594	564055.3	4191440.26	4.16E-03	6.68E-04	3.94E-04	3.27E-04
1595	564053.1	4191430.76	3.98E-03	6.38E-04	3.77E-04	3.12E-04
1596	564050.9	4191421.26	3.78E-03	6.07E-04	3.58E-04	2.97E-04
1597	564048.7	4191411.76	3.59E-03	5.75E-04	3.39E-04	2.81E-04
1598	564046.5	4191402.26	3.38E-03	5.43E-04	3.20E-04	2.65E-04
1599	564044.3	4191392.77	3.18E-03	5.11E-04	3.01E-04	2.50E-04
1600	564042.11	4191383.27	2.99E-03	4.79E-04	2.83E-04	2.34E-04
1601	564039.91	4191373.77	2.80E-03	4.50E-04	2.65E-04	2.20E-04
1602	564037.71	4191364.27	2.63E-03	4.22E-04	2.49E-04	2.06E-04
1603	564035.51	4191354.77	2.47E-03	3.96E-04	2.34E-04	1.94E-04
1604	564033.31	4191345.27	2.32E-03	3.72E-04	2.20E-04	1.82E-04
1605	564031.11	4191335.77	2.19E-03	3.51E-04	2.07E-04	1.72E-04
1606	564028.92	4191326.27	2.07E-03	3.33E-04	1.96E-04	1.63E-04
1607	564026.72	4191316.77	1.98E-03	3.17E-04	1.87E-04	1.55E-04

1608	564266.34	4191642.85	6.55E-03	1.05E-03	6.21E-04	5.14E-04
1609	564276.19	4191644.36	6.47E-03	1.04E-03	6.13E-04	5.08E-04
1610	564286.04	4191645.88	6.39E-03	1.02E-03	6.05E-04	5.01E-04
1611	564295.9	4191647.39	6.30E-03	1.01E-03	5.96E-04	4.94E-04
1612	564256.57	4191647.69	6.36E-03	1.02E-03	6.02E-04	4.99E-04
1613	564248.33	4191642.64	6.56E-03	1.05E-03	6.21E-04	5.15E-04
1614	564240.09	4191637.59	6.76E-03	1.08E-03	6.40E-04	5.30E-04
1615	564231.84	4191632.54	6.96E-03	1.12E-03	6.59E-04	5.46E-04
1616	564223.6	4191627.5	7.14E-03	1.15E-03	6.76E-04	5.60E-04
1617	564215.36	4191622.45	7.31E-03	1.17E-03	6.92E-04	5.74E-04
1618	564207.11	4191617.4	7.45E-03	1.20E-03	7.06E-04	5.85E-04
1619	564198.87	4191612.35	7.57E-03	1.21E-03	7.17E-04	5.94E-04
1620	564190.62	4191607.31	7.66E-03	1.23E-03	7.25E-04	6.01E-04
1621	564182.38	4191602.26	7.71E-03	1.24E-03	7.30E-04	6.05E-04
1622	564174.14	4191597.21	7.73E-03	1.24E-03	7.32E-04	6.06E-04
1623	564149.41	4191582.07	7.54E-03	1.21E-03	7.14E-04	5.92E-04
1624	564141.16	4191577.02	7.40E-03	1.19E-03	7.01E-04	5.81E-04
1625	564132.92	4191571.98	7.23E-03	1.16E-03	6.85E-04	5.67E-04
1626	564124.68	4191566.93	7.02E-03	1.13E-03	6.65E-04	5.51E-04
1627	564116.43	4191561.88	6.79E-03	1.09E-03	6.43E-04	5.33E-04
1628	564108.19	4191556.83	6.53E-03	1.05E-03	6.18E-04	5.12E-04
1629	564099.94	4191551.79	6.26E-03	1.00E-03	5.93E-04	4.91E-04
1630	564091.7	4191546.74	5.98E-03	9.60E-04	5.66E-04	4.69E-04
1631	564083.46	4191541.69	5.70E-03	9.14E-04	5.39E-04	4.47E-04
1632	564075.21	4191536.65	5.41E-03	8.67E-04	5.12E-04	4.24E-04
1633	564062.61	4191512.76	4.94E-03	7.93E-04	4.68E-04	3.88E-04
1634	564060.43	4191503.35	4.84E-03	7.76E-04	4.58E-04	3.80E-04
1635	564058.25	4191493.93	4.72E-03	7.58E-04	4.47E-04	3.70E-04
1636	564056.07	4191484.51	4.59E-03	7.37E-04	4.35E-04	3.60E-04
1637	564053.89	4191475.1	4.45E-03	7.14E-04	4.22E-04	3.49E-04
1638	564051.71	4191465.68	4.30E-03	6.91E-04	4.08E-04	3.38E-04
1639	564049.53	4191456.26	4.16E-03	6.67E-04	3.93E-04	3.26E-04
1640	564047.35	4191446.84	4.00E-03	6.41E-04	3.78E-04	3.14E-04
1641	564045.17	4191437.43	3.83E-03	6.15E-04	3.63E-04	3.01E-04
1642	564043	4191428.01	3.66E-03	5.87E-04	3.46E-04	2.87E-04
1643	564040.82	4191418.59	3.48E-03	5.58E-04	3.29E-04	2.73E-04
1644	564038.64	4191409.17	3.29E-03	5.28E-04	3.12E-04	2.58E-04
1645	564036.46	4191399.76	3.11E-03	4.99E-04	2.94E-04	2.44E-04
1646	564034.28	4191390.34	2.93E-03	4.70E-04	2.77E-04	2.30E-04
1647	564032.1	4191380.92	2.76E-03	4.42E-04	2.61E-04	2.16E-04
1648	564029.92	4191371.51	2.59E-03	4.16E-04	2.45E-04	2.03E-04
1649	564027.74	4191362.09	2.44E-03	3.91E-04	2.31E-04	1.91E-04
1650	564025.56	4191352.67	2.29E-03	3.67E-04	2.17E-04	1.80E-04
1651	564023.38	4191343.25	2.16E-03	3.46E-04	2.04E-04	1.69E-04
1652	564021.2	4191333.84	2.04E-03	3.28E-04	1.93E-04	1.60E-04
1653	564019.02	4191324.42	1.94E-03	3.11E-04	1.84E-04	1.52E-04
1654	564016.84	4191315	1.85E-03	2.97E-04	1.75E-04	1.45E-04
1655	564264.82	4191652.73	6.17E-03	9.89E-04	5.84E-04	4.84E-04
1656	564274.67	4191654.25	6.09E-03	9.77E-04	5.77E-04	4.78E-04
1657	564284.52	4191655.76	6.01E-03	9.64E-04	5.69E-04	4.72E-04
1658	564294.38	4191657.27	5.93E-03	9.51E-04	5.61E-04	4.65E-04
1659	564238.77	4191647.6	6.35E-03	1.02E-03	6.01E-04	4.98E-04

1660	564230.59	4191642.59	6.53E-03	1.05E-03	6.18E-04	5.12E-04
1661	564222.41	4191637.58	6.70E-03	1.08E-03	6.35E-04	5.26E-04
1662	564214.23	4191632.58	6.86E-03	1.10E-03	6.50E-04	5.39E-04
1663	564206.06	4191627.57	7.01E-03	1.12E-03	6.63E-04	5.50E-04
1664	564197.88	4191622.56	7.12E-03	1.14E-03	6.74E-04	5.59E-04
1665	564189.7	4191617.56	7.22E-03	1.16E-03	6.83E-04	5.66E-04
1666	564181.52	4191612.55	7.28E-03	1.17E-03	6.89E-04	5.71E-04
1667	564173.34	4191607.54	7.31E-03	1.17E-03	6.92E-04	5.74E-04
1668	564148.81	4191592.52	7.20E-03	1.16E-03	6.82E-04	5.65E-04
1669	564140.63	4191587.51	7.10E-03	1.14E-03	6.72E-04	5.57E-04
1670	564132.46	4191582.51	6.96E-03	1.12E-03	6.59E-04	5.46E-04
1671	564124.28	4191577.5	6.80E-03	1.09E-03	6.43E-04	5.33E-04
1672	564116.1	4191572.49	6.60E-03	1.06E-03	6.25E-04	5.18E-04
1673	564107.92	4191567.49	6.38E-03	1.02E-03	6.04E-04	5.01E-04
1674	564099.75	4191562.48	6.14E-03	9.86E-04	5.82E-04	4.82E-04
1675	564091.57	4191557.47	5.90E-03	9.46E-04	5.58E-04	4.63E-04
1676	564083.39	4191552.47	5.64E-03	9.05E-04	5.34E-04	4.42E-04
1677	564075.21	4191547.46	5.37E-03	8.62E-04	5.09E-04	4.21E-04
1678	564067.03	4191542.45	5.11E-03	8.19E-04	4.83E-04	4.01E-04
1679	564052.37	4191509.42	4.59E-03	7.37E-04	4.35E-04	3.60E-04
1680	564050.21	4191500.08	4.49E-03	7.20E-04	4.25E-04	3.52E-04
1681	564048.05	4191490.74	4.37E-03	7.02E-04	4.14E-04	3.43E-04
1682	564045.88	4191481.39	4.25E-03	6.82E-04	4.02E-04	3.33E-04
1683	564043.72	4191472.05	4.12E-03	6.61E-04	3.90E-04	3.23E-04
1684	564041.56	4191462.71	3.98E-03	6.39E-04	3.77E-04	3.12E-04
1685	564039.4	4191453.37	3.84E-03	6.16E-04	3.63E-04	3.01E-04
1686	564037.24	4191444.03	3.69E-03	5.92E-04	3.49E-04	2.90E-04
1687	564035.07	4191434.68	3.53E-03	5.67E-04	3.35E-04	2.77E-04
1688	564032.91	4191425.34	3.37E-03	5.41E-04	3.19E-04	2.64E-04
1689	564030.75	4191416	3.20E-03	5.14E-04	3.03E-04	2.51E-04
1690	564028.59	4191406.66	3.03E-03	4.86E-04	2.87E-04	2.38E-04
1691	564026.43	4191397.32	2.87E-03	4.60E-04	2.71E-04	2.25E-04
1692	564024.26	4191387.98	2.71E-03	4.34E-04	2.56E-04	2.12E-04
1693	564022.1	4191378.63	2.55E-03	4.10E-04	2.42E-04	2.00E-04
1694	564019.94	4191369.29	2.40E-03	3.85E-04	2.27E-04	1.89E-04
1695	564017.78	4191359.95	2.26E-03	3.63E-04	2.14E-04	1.77E-04
1696	564015.62	4191350.61	2.13E-03	3.42E-04	2.02E-04	1.67E-04
1697	564013.45	4191341.27	2.02E-03	3.23E-04	1.91E-04	1.58E-04
1698	564011.29	4191331.92	1.91E-03	3.07E-04	1.81E-04	1.50E-04
1699	564009.13	4191322.58	1.82E-03	2.92E-04	1.73E-04	1.43E-04
1700	564006.97	4191313.24	1.74E-03	2.80E-04	1.65E-04	1.37E-04
1701	564349.78	4191362.44	6.29E-01	1.01E-01	5.95E-02	4.93E-02
1702	564352.52	4191346.45	9.83E-01	1.58E-01	9.30E-02	7.71E-02
1703	564355.26	4191330.45	1.15E+00	1.85E-01	1.09E-01	9.03E-02
1704	564361	4191356.13	5.05E-01	8.09E-02	4.78E-02	3.96E-02
1705	564363.74	4191340.14	8.20E-01	1.32E-01	7.76E-02	6.43E-02
1706	564350.09	4191386.86	2.15E-01	3.45E-02	2.04E-02	1.69E-02
1707	564370.86	4191357.82	3.29E-01	5.29E-02	3.12E-02	2.58E-02
1708	564373.6	4191341.83	5.31E-01	8.52E-02	5.03E-02	4.17E-02
1709	564376.34	4191325.84	6.73E-01	1.08E-01	6.37E-02	5.28E-02
1710	564367.31	4191386.78	1.61E-01	2.58E-02	1.52E-02	1.26E-02
1711	564355.94	4191394.97	1.50E-01	2.40E-02	1.42E-02	1.18E-02

1712	564380.72	4191359.51	2.28E-01	3.66E-02	2.16E-02	1.79E-02
1713	564383.46	4191343.52	3.41E-01	5.47E-02	3.23E-02	2.68E-02
1714	564377.17	4191388.47	1.28E-01	2.06E-02	1.22E-02	1.01E-02
1715	564361.78	4191403.09	1.10E-01	1.77E-02	1.04E-02	8.66E-03
1716	564347.06	4191406.63	1.16E-01	1.86E-02	1.10E-02	9.08E-03
1717	564367.63	4191411.2	8.47E-02	1.36E-02	8.02E-03	6.64E-03
1718	564352.9	4191414.74	8.92E-02	1.43E-02	8.45E-03	7.00E-03
1719	564373.48	4191419.31	6.69E-02	1.07E-02	6.34E-03	5.25E-03
1720	564358.75	4191422.86	7.08E-02	1.14E-02	6.70E-03	5.55E-03
1721	564344.02	4191426.4	7.17E-02	1.15E-02	6.79E-03	5.63E-03
1722	564364.59	4191430.97	5.74E-02	9.20E-03	5.43E-03	4.50E-03
1723	564349.87	4191434.51	5.86E-02	9.41E-03	5.55E-03	4.60E-03
1724	564370.44	4191439.08	4.74E-02	7.60E-03	4.48E-03	3.71E-03
1725	564355.71	4191442.62	4.87E-02	7.82E-03	4.61E-03	3.82E-03
1726	564340.99	4191446.17	4.86E-02	7.79E-03	4.60E-03	3.81E-03
1727	564430	4191367.95	6.48E-02	1.04E-02	6.13E-03	5.08E-03
1728	564432.74	4191351.96	7.28E-02	1.17E-02	6.89E-03	5.71E-03
1729	564435.48	4191335.97	9.61E-02	1.54E-02	9.10E-03	7.54E-03
1730	564426.45	4191396.91	5.10E-02	8.18E-03	4.83E-03	4.00E-03
1731	564361.56	4191450.74	4.11E-02	6.59E-03	3.89E-03	3.22E-03
1732	564346.83	4191454.28	4.13E-02	6.62E-03	3.91E-03	3.24E-03
1733	564439.85	4191369.64	5.39E-02	8.64E-03	5.10E-03	4.23E-03
1734	564442.59	4191353.65	5.93E-02	9.51E-03	5.61E-03	4.65E-03
1735	564445.33	4191337.66	7.51E-02	1.21E-02	7.11E-03	5.90E-03
1736	564436.31	4191398.6	4.38E-02	7.03E-03	4.15E-03	3.44E-03
1737	564428.29	4191411.45	4.11E-02	6.59E-03	3.89E-03	3.22E-03
1738	564420.27	4191424.3	3.77E-02	6.04E-03	3.57E-03	2.96E-03
1739	564367.4	4191458.85	3.50E-02	5.62E-03	3.32E-03	2.75E-03
1740	564449.71	4191371.33	4.54E-02	7.29E-03	4.30E-03	3.56E-03
1741	564452.45	4191355.34	4.90E-02	7.86E-03	4.64E-03	3.84E-03
1742	564455.19	4191339.35	5.98E-02	9.59E-03	5.66E-03	4.69E-03
1743	564446.16	4191400.29	3.80E-02	6.10E-03	3.60E-03	2.99E-03
1744	564438.14	4191413.14	3.60E-02	5.78E-03	3.41E-03	2.83E-03
1745	564430.12	4191425.99	3.34E-02	5.35E-03	3.16E-03	2.62E-03
1746	564422.1	4191438.84	3.06E-02	4.92E-03	2.90E-03	2.40E-03
1747	564459.57	4191373.02	3.88E-02	6.22E-03	3.67E-03	3.04E-03
1748	564462.31	4191357.03	4.12E-02	6.60E-03	3.90E-03	3.23E-03
1749	564465.05	4191341.03	4.86E-02	7.80E-03	4.60E-03	3.81E-03
1750	564456.02	4191401.98	3.34E-02	5.35E-03	3.16E-03	2.62E-03
1751	564448	4191414.83	3.19E-02	5.11E-03	3.02E-03	2.50E-03
1752	564439.98	4191427.68	2.97E-02	4.76E-03	2.81E-03	2.33E-03
1753	564431.96	4191440.53	2.75E-02	4.41E-03	2.60E-03	2.15E-03
1754	564423.94	4191453.37	2.53E-02	4.06E-03	2.40E-03	1.99E-03
1755	564349.64	4191482.16	2.69E-02	4.31E-03	2.54E-03	2.11E-03
1756	564334.91	4191485.7	2.64E-02	4.24E-03	2.50E-03	2.07E-03
1757	564469.42	4191374.71	3.34E-02	5.36E-03	3.16E-03	2.62E-03
1758	564472.16	4191358.72	3.51E-02	5.62E-03	3.32E-03	2.75E-03
1759	564474.9	4191342.72	4.03E-02	6.47E-03	3.82E-03	3.16E-03
1760	564465.88	4191403.67	2.95E-02	4.73E-03	2.79E-03	2.31E-03
1761	564457.86	4191416.52	2.84E-02	4.55E-03	2.69E-03	2.23E-03
1762	564449.83	4191429.36	2.66E-02	4.27E-03	2.52E-03	2.09E-03
1763	564441.81	4191442.21	2.47E-02	3.97E-03	2.34E-03	1.94E-03

1764	564433.79	4191455.06	2.30E-02	3.69E-03	2.17E-03	1.80E-03
1765	564425.77	4191467.91	2.13E-02	3.41E-03	2.01E-03	1.67E-03
1766	564355.49	4191490.27	2.38E-02	3.81E-03	2.25E-03	1.86E-03
1767	564340.76	4191493.82	2.35E-02	3.77E-03	2.22E-03	1.84E-03
1768	564479.28	4191376.4	2.91E-02	4.67E-03	2.75E-03	2.28E-03
1769	564482.02	4191360.4	3.02E-02	4.85E-03	2.86E-03	2.37E-03
1770	564484.76	4191344.41	3.40E-02	5.45E-03	3.22E-03	2.66E-03
1771	564475.73	4191405.36	2.62E-02	4.20E-03	2.48E-03	2.05E-03
1772	564467.71	4191418.2	2.54E-02	4.07E-03	2.40E-03	1.99E-03
1773	564459.69	4191431.05	2.39E-02	3.84E-03	2.27E-03	1.88E-03
1774	564451.67	4191443.9	2.24E-02	3.59E-03	2.12E-03	1.75E-03
1775	564443.65	4191456.75	2.09E-02	3.35E-03	1.98E-03	1.64E-03
1776	564435.63	4191469.6	1.95E-02	3.13E-03	1.85E-03	1.53E-03
1777	564361.33	4191498.39	2.11E-02	3.39E-03	2.00E-03	1.66E-03
1778	564346.6	4191501.93	2.10E-02	3.37E-03	1.99E-03	1.65E-03
1779	564331.88	4191505.47	2.06E-02	3.31E-03	1.95E-03	1.62E-03
1780	564489.14	4191378.09	2.55E-02	4.10E-03	2.42E-03	2.00E-03
1781	564491.88	4191362.09	2.63E-02	4.22E-03	2.49E-03	2.06E-03
1782	564494.62	4191346.1	2.90E-02	4.66E-03	2.75E-03	2.28E-03
1783	564484.79	4191408.33	2.32E-02	3.72E-03	2.19E-03	1.82E-03
1784	564476.23	4191422.03	2.25E-02	3.62E-03	2.13E-03	1.77E-03
1785	564467.68	4191435.74	2.12E-02	3.40E-03	2.01E-03	1.66E-03
1786	564459.12	4191449.45	1.99E-02	3.19E-03	1.88E-03	1.56E-03
1787	564450.56	4191463.15	1.86E-02	2.99E-03	1.76E-03	1.46E-03
1788	564442.01	4191476.86	1.74E-02	2.79E-03	1.64E-03	1.36E-03
1789	564425.6	4191492.45	1.67E-02	2.67E-03	1.58E-03	1.31E-03
1790	564362.76	4191507.56	1.89E-02	3.03E-03	1.79E-03	1.48E-03
1791	564347.05	4191511.34	1.88E-02	3.01E-03	1.78E-03	1.47E-03
1792	564331.34	4191515.12	1.85E-02	2.96E-03	1.75E-03	1.45E-03
1793	564498.99	4191379.77	2.25E-02	3.61E-03	2.13E-03	1.77E-03
1794	564501.73	4191363.78	2.31E-02	3.71E-03	2.19E-03	1.81E-03
1795	564504.47	4191347.79	2.51E-02	4.02E-03	2.37E-03	1.97E-03
1796	564494.69	4191409.94	2.07E-02	3.32E-03	1.96E-03	1.63E-03
1797	564486.17	4191423.59	2.03E-02	3.26E-03	1.92E-03	1.59E-03
1798	564477.65	4191437.24	1.92E-02	3.09E-03	1.82E-03	1.51E-03
1799	564469.13	4191450.89	1.80E-02	2.90E-03	1.71E-03	1.42E-03
1800	564460.6	4191464.55	1.71E-02	2.74E-03	1.61E-03	1.34E-03
1801	564452.08	4191478.2	1.59E-02	2.55E-03	1.50E-03	1.25E-03
1802	564431.47	4191500.56	1.49E-02	2.38E-03	1.41E-03	1.17E-03
1803	564415.83	4191504.32	1.57E-02	2.52E-03	1.49E-03	1.23E-03
1804	564353.23	4191519.37	1.69E-02	2.72E-03	1.60E-03	1.33E-03
1805	564337.59	4191523.14	1.68E-02	2.69E-03	1.59E-03	1.31E-03
1806	564508.85	4191381.46	2.00E-02	3.21E-03	1.89E-03	1.57E-03
1807	564511.59	4191365.47	2.03E-02	3.26E-03	1.92E-03	1.59E-03
1808	564514.33	4191349.48	2.16E-02	3.47E-03	2.05E-03	1.70E-03
1809	564504.6	4191411.56	1.86E-02	2.99E-03	1.76E-03	1.46E-03
1810	564496.1	4191425.16	1.84E-02	2.95E-03	1.74E-03	1.44E-03
1811	564487.61	4191438.77	1.76E-02	2.82E-03	1.66E-03	1.38E-03
1812	564479.12	4191452.37	1.65E-02	2.65E-03	1.57E-03	1.30E-03
1813	564470.62	4191465.98	1.56E-02	2.50E-03	1.47E-03	1.22E-03
1814	564462.13	4191479.58	1.46E-02	2.35E-03	1.38E-03	1.15E-03
1815	564437.35	4191508.67	1.34E-02	2.15E-03	1.27E-03	1.05E-03

1816	564421.75	4191512.42	1.41E-02	2.27E-03	1.34E-03	1.11E-03
1817	564359.38	4191527.41	1.53E-02	2.46E-03	1.45E-03	1.20E-03
1818	564343.78	4191531.16	1.52E-02	2.45E-03	1.44E-03	1.20E-03
1819	564328.19	4191534.91	1.50E-02	2.41E-03	1.42E-03	1.18E-03
1820	564518.7	4191383.15	1.79E-02	2.87E-03	1.70E-03	1.41E-03
1821	564521.44	4191367.16	1.81E-02	2.90E-03	1.71E-03	1.42E-03
1822	564524.18	4191351.17	1.90E-02	3.05E-03	1.80E-03	1.49E-03
1823	564514.49	4191413.18	1.68E-02	2.70E-03	1.60E-03	1.32E-03
1824	564506.02	4191426.74	1.67E-02	2.68E-03	1.58E-03	1.31E-03
1825	564497.56	4191440.31	1.61E-02	2.58E-03	1.52E-03	1.26E-03
1826	564489.09	4191453.87	1.52E-02	2.44E-03	1.44E-03	1.19E-03
1827	564480.62	4191467.43	1.43E-02	2.30E-03	1.36E-03	1.12E-03
1828	564472.16	4191481	1.35E-02	2.16E-03	1.28E-03	1.06E-03
1829	564455.22	4191508.12	1.21E-02	1.94E-03	1.15E-03	9.51E-04
1830	564443.22	4191516.77	1.21E-02	1.95E-03	1.15E-03	9.52E-04
1831	564427.67	4191520.51	1.28E-02	2.05E-03	1.21E-03	1.00E-03
1832	564412.12	4191524.25	1.33E-02	2.13E-03	1.26E-03	1.04E-03
1833	564349.94	4191539.2	1.39E-02	2.23E-03	1.32E-03	1.09E-03
1834	564334.4	4191542.94	1.38E-02	2.21E-03	1.30E-03	1.08E-03
1835	564528.56	4191384.84	1.61E-02	2.58E-03	1.53E-03	1.26E-03
1836	564531.3	4191368.85	1.62E-02	2.60E-03	1.53E-03	1.27E-03
1837	564534.04	4191352.86	1.68E-02	2.70E-03	1.59E-03	1.32E-03
1838	564524.38	4191414.81	1.53E-02	2.46E-03	1.45E-03	1.20E-03
1839	564515.94	4191428.34	1.52E-02	2.45E-03	1.44E-03	1.20E-03
1840	564507.5	4191441.86	1.47E-02	2.37E-03	1.40E-03	1.16E-03
1841	564499.05	4191455.39	1.40E-02	2.25E-03	1.33E-03	1.10E-03
1842	564490.61	4191468.92	1.32E-02	2.12E-03	1.25E-03	1.04E-03
1843	564482.17	4191482.44	1.25E-02	2.00E-03	1.18E-03	9.79E-04
1844	564465.28	4191509.49	1.13E-02	1.81E-03	1.07E-03	8.86E-04
1845	564449.08	4191524.88	1.10E-02	1.77E-03	1.04E-03	8.66E-04
1846	564433.58	4191528.61	1.16E-02	1.86E-03	1.10E-03	9.10E-04
1847	564418.08	4191532.34	1.21E-02	1.94E-03	1.14E-03	9.48E-04
1848	564356.07	4191547.25	1.27E-02	2.05E-03	1.21E-03	1.00E-03
1849	564340.56	4191550.98	1.27E-02	2.03E-03	1.20E-03	9.94E-04
1850	564325.06	4191554.7	1.25E-02	2.00E-03	1.18E-03	9.79E-04
1851	564538.42	4191386.53	1.46E-02	2.34E-03	1.38E-03	1.14E-03
1852	564541.16	4191370.54	1.46E-02	2.34E-03	1.38E-03	1.14E-03
1853	564543.9	4191354.54	1.50E-02	2.41E-03	1.42E-03	1.18E-03
1854	564534.27	4191416.45	1.40E-02	2.24E-03	1.32E-03	1.09E-03
1855	564525.85	4191429.94	1.40E-02	2.24E-03	1.32E-03	1.10E-03
1856	564517.43	4191443.43	1.36E-02	2.18E-03	1.28E-03	1.06E-03
1857	564509	4191456.93	1.29E-02	2.08E-03	1.22E-03	1.02E-03
1858	564500.58	4191470.42	1.22E-02	1.96E-03	1.16E-03	9.60E-04
1859	564492.16	4191483.91	1.16E-02	1.86E-03	1.09E-03	9.07E-04
1860	564475.31	4191510.89	1.05E-02	1.69E-03	9.97E-04	8.26E-04
1861	564466.89	4191524.39	1.01E-02	1.61E-03	9.52E-04	7.89E-04
1862	564454.95	4191532.99	1.01E-02	1.62E-03	9.54E-04	7.91E-04
1863	564439.48	4191536.71	1.06E-02	1.70E-03	1.00E-03	8.30E-04
1864	564424.02	4191540.43	1.10E-02	1.77E-03	1.04E-03	8.65E-04
1865	564408.56	4191544.15	1.13E-02	1.82E-03	1.07E-03	8.89E-04
1866	564346.7	4191559.02	1.17E-02	1.87E-03	1.10E-03	9.15E-04
1867	564548.27	4191388.22	1.32E-02	2.12E-03	1.25E-03	1.04E-03

1868	564551.01	4191372.23	1.32E-02	2.12E-03	1.25E-03	1.04E-03
1869	564553.75	4191356.23	1.35E-02	2.17E-03	1.28E-03	1.06E-03
1870	564544.16	4191418.09	1.28E-02	2.05E-03	1.21E-03	1.00E-03
1871	564535.75	4191431.56	1.28E-02	2.06E-03	1.21E-03	1.01E-03
1872	564527.35	4191445.02	1.25E-02	2.01E-03	1.19E-03	9.82E-04
1873	564518.95	4191458.48	1.20E-02	1.92E-03	1.13E-03	9.41E-04
1874	564510.54	4191471.94	1.14E-02	1.82E-03	1.08E-03	8.92E-04
1875	564502.14	4191485.4	1.07E-02	1.72E-03	1.02E-03	8.43E-04
1876	564485.33	4191512.32	9.83E-03	1.58E-03	9.30E-04	7.71E-04
1877	564476.93	4191525.78	9.42E-03	1.51E-03	8.92E-04	7.39E-04
1878	564460.81	4191541.1	9.25E-03	1.48E-03	8.75E-04	7.25E-04
1879	564445.38	4191544.81	9.69E-03	1.55E-03	9.17E-04	7.60E-04
1880	564429.95	4191548.52	1.01E-02	1.62E-03	9.56E-04	7.92E-04
1881	564414.53	4191552.23	1.04E-02	1.67E-03	9.84E-04	8.15E-04
1882	564321.95	4191574.49	1.05E-02	1.69E-03	9.98E-04	8.27E-04
1883	564545.65	4191433.17	1.18E-02	1.89E-03	1.12E-03	9.26E-04
1884	564537.27	4191446.61	1.16E-02	1.86E-03	1.10E-03	9.09E-04
1885	564528.88	4191460.04	1.11E-02	1.79E-03	1.05E-03	8.74E-04
1886	564520.49	4191473.47	1.06E-02	1.70E-03	1.00E-03	8.31E-04
1887	564512.11	4191486.91	1.00E-02	1.61E-03	9.50E-04	7.87E-04
1888	564495.34	4191513.77	9.18E-03	1.47E-03	8.69E-04	7.20E-04
1889	564486.95	4191527.21	8.83E-03	1.42E-03	8.36E-04	6.93E-04
1890	564478.57	4191540.64	8.48E-03	1.36E-03	8.03E-04	6.65E-04
1891	564466.67	4191549.21	8.51E-03	1.36E-03	8.05E-04	6.67E-04
1892	564451.28	4191552.91	8.91E-03	1.43E-03	8.43E-04	6.99E-04
1893	564435.88	4191556.61	9.26E-03	1.49E-03	8.76E-04	7.26E-04
1894	564420.48	4191560.32	9.55E-03	1.53E-03	9.04E-04	7.50E-04
1895	564343.5	4191578.83	9.92E-03	1.59E-03	9.39E-04	7.78E-04
1896	564328.1	4191582.53	9.81E-03	1.57E-03	9.29E-04	7.70E-04
1897	564538.81	4191461.62	1.04E-02	1.66E-03	9.81E-04	8.13E-04
1898	564530.44	4191475.02	9.89E-03	1.59E-03	9.36E-04	7.76E-04
1899	564522.07	4191488.43	9.40E-03	1.51E-03	8.90E-04	7.37E-04
1900	564505.33	4191515.25	8.60E-03	1.38E-03	8.14E-04	6.75E-04
1901	564496.96	4191528.66	8.29E-03	1.33E-03	7.85E-04	6.50E-04
1902	564488.59	4191542.06	7.98E-03	1.28E-03	7.56E-04	6.26E-04
1903	564472.53	4191557.32	7.85E-03	1.26E-03	7.43E-04	6.16E-04
1904	564457.17	4191561.01	8.21E-03	1.32E-03	7.78E-04	6.44E-04
1905	564441.8	4191564.71	8.53E-03	1.37E-03	8.08E-04	6.69E-04
1906	564426.43	4191568.41	8.81E-03	1.41E-03	8.34E-04	6.91E-04
1907	564411.06	4191572.1	9.01E-03	1.45E-03	8.53E-04	7.07E-04
1908	564349.59	4191586.88	9.22E-03	1.48E-03	8.73E-04	7.24E-04
1909	564334.22	4191590.58	9.15E-03	1.47E-03	8.66E-04	7.18E-04
1910	564318.85	4191594.27	9.02E-03	1.45E-03	8.54E-04	7.07E-04
1911	564580.58	4191377.29	1.01E-02	1.61E-03	9.53E-04	7.90E-04
1912	564583.32	4191361.3	1.02E-02	1.64E-03	9.66E-04	8.01E-04
1913	564515.31	4191516.74	8.09E-03	1.30E-03	7.66E-04	6.35E-04
1914	564506.95	4191530.12	7.79E-03	1.25E-03	7.38E-04	6.11E-04
1915	564498.6	4191543.51	7.52E-03	1.21E-03	7.12E-04	5.90E-04
1916	564490.24	4191556.89	7.24E-03	1.16E-03	6.86E-04	5.68E-04
1917	564478.39	4191565.43	7.27E-03	1.17E-03	6.88E-04	5.70E-04
1918	564463.05	4191569.12	7.60E-03	1.22E-03	7.19E-04	5.96E-04
1919	564447.71	4191572.81	7.89E-03	1.27E-03	7.47E-04	6.19E-04

1920	564432.37	4191576.5	8.14E-03	1.31E-03	7.70E-04	6.38E-04
1921	564417.03	4191580.19	8.34E-03	1.34E-03	7.90E-04	6.54E-04
1922	564355.66	4191594.94	8.59E-03	1.38E-03	8.13E-04	6.74E-04
1923	564340.32	4191598.63	8.54E-03	1.37E-03	8.09E-04	6.70E-04
1924	564324.98	4191602.32	8.45E-03	1.36E-03	8.00E-04	6.63E-04
1925	564590.44	4191378.98	9.26E-03	1.48E-03	8.76E-04	7.26E-04
1926	564593.18	4191362.99	9.37E-03	1.50E-03	8.87E-04	7.35E-04
1927	564516.94	4191531.61	7.35E-03	1.18E-03	6.95E-04	5.76E-04
1928	564508.59	4191544.97	7.09E-03	1.14E-03	6.71E-04	5.56E-04
1929	564500.25	4191558.33	6.85E-03	1.10E-03	6.48E-04	5.37E-04
1930	564484.25	4191573.54	6.75E-03	1.08E-03	6.39E-04	5.30E-04
1931	564468.93	4191577.22	7.05E-03	1.13E-03	6.67E-04	5.53E-04
1932	564453.62	4191580.91	7.31E-03	1.17E-03	6.92E-04	5.74E-04
1933	564407.67	4191591.96	7.87E-03	1.26E-03	7.45E-04	6.18E-04
1934	564346.4	4191606.69	7.99E-03	1.28E-03	7.56E-04	6.27E-04
1935	564331.08	4191610.37	7.92E-03	1.27E-03	7.50E-04	6.21E-04
1936	564315.77	4191614.05	7.81E-03	1.25E-03	7.39E-04	6.13E-04
1937	564603.04	4191364.68	8.61E-03	1.38E-03	8.15E-04	6.76E-04
1938	564526.91	4191533.11	6.93E-03	1.11E-03	6.56E-04	5.44E-04
1939	564518.58	4191546.45	6.70E-03	1.07E-03	6.34E-04	5.25E-04
1940	564510.25	4191559.8	6.48E-03	1.04E-03	6.13E-04	5.08E-04
1941	564501.92	4191573.14	6.26E-03	1.00E-03	5.92E-04	4.91E-04
1942	564490.11	4191581.65	6.28E-03	1.01E-03	5.95E-04	4.93E-04
1943	564474.81	4191585.33	6.55E-03	1.05E-03	6.20E-04	5.14E-04
1944	564428.93	4191596.36	7.20E-03	1.15E-03	6.81E-04	5.65E-04
1945	564413.64	4191600.04	7.33E-03	1.18E-03	6.94E-04	5.75E-04
1946	564352.46	4191614.75	7.48E-03	1.20E-03	7.08E-04	5.87E-04
1947	564337.17	4191618.43	7.43E-03	1.19E-03	7.04E-04	5.83E-04
1948	564321.87	4191622.1	7.35E-03	1.18E-03	6.96E-04	5.77E-04
1949	564528.56	4191547.95	6.33E-03	1.01E-03	5.99E-04	4.96E-04
1950	564520.24	4191561.27	6.13E-03	9.83E-04	5.80E-04	4.81E-04
1951	564511.92	4191574.6	5.94E-03	9.53E-04	5.62E-04	4.66E-04
1952	564495.96	4191589.76	5.86E-03	9.41E-04	5.55E-04	4.60E-04
1953	564450.15	4191600.78	6.54E-03	1.05E-03	6.19E-04	5.13E-04
1954	564434.87	4191604.45	6.71E-03	1.08E-03	6.35E-04	5.26E-04
1955	564419.6	4191608.12	6.84E-03	1.10E-03	6.48E-04	5.37E-04
1956	564404.33	4191611.8	6.93E-03	1.11E-03	6.56E-04	5.44E-04
1957	564343.23	4191626.49	6.99E-03	1.12E-03	6.61E-04	5.48E-04
1958	564327.96	4191630.16	6.93E-03	1.11E-03	6.56E-04	5.43E-04
1959	564312.69	4191633.83	6.83E-03	1.10E-03	6.46E-04	5.36E-04
1960	564617.27	4191400.04	7.44E-03	1.19E-03	7.04E-04	5.84E-04
1961	564620.01	4191384.05	7.34E-03	1.18E-03	6.95E-04	5.76E-04
1962	564622.75	4191368.05	7.35E-03	1.18E-03	6.96E-04	5.76E-04
1963	564604.99	4191442.99	7.56E-03	1.21E-03	7.15E-04	5.93E-04
1964	564530.22	4191562.77	5.80E-03	9.31E-04	5.49E-04	4.55E-04
1965	564521.91	4191576.08	5.64E-03	9.04E-04	5.33E-04	4.42E-04
1966	564513.6	4191589.38	5.46E-03	8.76E-04	5.17E-04	4.28E-04
1967	564471.31	4191605.21	5.91E-03	9.49E-04	5.60E-04	4.64E-04
1968	564456.06	4191608.88	6.10E-03	9.79E-04	5.78E-04	4.79E-04
1969	564440.81	4191612.54	6.26E-03	1.00E-03	5.93E-04	4.91E-04
1970	564425.55	4191616.21	6.40E-03	1.03E-03	6.05E-04	5.02E-04
1971	564410.3	4191619.88	6.49E-03	1.04E-03	6.14E-04	5.09E-04

1972	564349.28	4191634.55	6.58E-03	1.05E-03	6.22E-04	5.16E-04
1973	564334.03	4191638.22	6.53E-03	1.05E-03	6.18E-04	5.12E-04
1974	564318.78	4191641.89	6.46E-03	1.04E-03	6.11E-04	5.07E-04
1975	564627.12	4191401.73	6.94E-03	1.11E-03	6.57E-04	5.44E-04
1976	564629.86	4191385.74	6.83E-03	1.10E-03	6.47E-04	5.36E-04
1977	564632.6	4191369.74	6.82E-03	1.09E-03	6.45E-04	5.35E-04
1978	564614.87	4191444.64	7.07E-03	1.13E-03	6.69E-04	5.54E-04
1979	564606.57	4191457.94	7.09E-03	1.14E-03	6.71E-04	5.56E-04
1980	564598.27	4191471.23	6.98E-03	1.12E-03	6.61E-04	5.48E-04
1981	564540.19	4191564.27	5.51E-03	8.84E-04	5.22E-04	4.32E-04
1982	564531.89	4191577.57	5.35E-03	8.59E-04	5.07E-04	4.20E-04
1983	564523.59	4191590.86	5.20E-03	8.34E-04	4.92E-04	4.08E-04
1984	564492.44	4191609.65	5.34E-03	8.57E-04	5.06E-04	4.19E-04
1985	564477.2	4191613.31	5.54E-03	8.88E-04	5.24E-04	4.34E-04
1986	564461.97	4191616.97	5.71E-03	9.16E-04	5.41E-04	4.48E-04
1987	564446.73	4191620.64	5.86E-03	9.41E-04	5.55E-04	4.60E-04
1988	564431.5	4191624.3	5.98E-03	9.60E-04	5.67E-04	4.70E-04
1989	564416.26	4191627.96	6.08E-03	9.75E-04	5.75E-04	4.77E-04
1990	564340.08	4191646.28	6.17E-03	9.89E-04	5.84E-04	4.84E-04
1991	564324.85	4191649.95	6.11E-03	9.80E-04	5.78E-04	4.79E-04
1992	564309.61	4191653.61	6.02E-03	9.66E-04	5.70E-04	4.72E-04
1993	564636.98	4191403.42	6.47E-03	1.04E-03	6.13E-04	5.08E-04
1994	564639.72	4191387.42	6.37E-03	1.02E-03	6.03E-04	5.00E-04
1995	564642.46	4191371.43	6.34E-03	1.02E-03	6.00E-04	4.97E-04
1996	564632.61	4191433.7	6.47E-03	1.04E-03	6.13E-04	5.08E-04
1997	564624.03	4191447.44	6.63E-03	1.06E-03	6.27E-04	5.20E-04
1998	564615.46	4191461.18	6.65E-03	1.07E-03	6.30E-04	5.22E-04
1999	564606.88	4191474.91	6.55E-03	1.05E-03	6.20E-04	5.14E-04
2000	564598.31	4191488.65	6.36E-03	1.02E-03	6.02E-04	4.99E-04
2001	564589.73	4191502.38	6.12E-03	9.82E-04	5.79E-04	4.80E-04
2002	564538.29	4191584.79	5.03E-03	8.08E-04	4.77E-04	3.95E-04
2003	564529.71	4191598.53	4.90E-03	7.86E-04	4.64E-04	3.84E-04
2004	564513.27	4191614.16	4.84E-03	7.76E-04	4.58E-04	3.80E-04
2005	564497.52	4191617.94	5.02E-03	8.06E-04	4.75E-04	3.94E-04
2006	564481.78	4191621.73	5.20E-03	8.35E-04	4.93E-04	4.08E-04
2007	564466.04	4191625.52	5.37E-03	8.62E-04	5.09E-04	4.22E-04
2008	564450.29	4191629.3	5.52E-03	8.85E-04	5.23E-04	4.33E-04
2009	564434.55	4191633.09	5.63E-03	9.04E-04	5.33E-04	4.42E-04
2010	564418.81	4191636.87	5.72E-03	9.17E-04	5.41E-04	4.49E-04
2011	564340.09	4191655.8	5.81E-03	9.32E-04	5.50E-04	4.56E-04
2012	564324.35	4191659.59	5.75E-03	9.22E-04	5.44E-04	4.51E-04
2013	564646.84	4191405.11	6.05E-03	9.71E-04	5.73E-04	4.75E-04
2014	564649.58	4191389.11	5.95E-03	9.55E-04	5.63E-04	4.67E-04
2015	564652.32	4191373.12	5.91E-03	9.48E-04	5.60E-04	4.64E-04

	Max Yr	**1**	T2	T2L3	T4i	T4f
	Row	**18**	1.15E+00	1.85E-01	1.09E-01	9.03E-02
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**16%**	**9%**	**8%**
			Year 1	Year 1	Year 1	Year 1
1	564348.4	4191311	7.26E-01	1.16E-01	6.87E-02	5.69E-02
2	564338.6	4191309	4.66E-01	7.47E-02	4.41E-02	3.65E-02
3	564328.8	4191308	2.39E-01	3.83E-02	2.26E-02	1.87E-02
4	564319	4191306	1.36E-01	2.18E-02	1.29E-02	1.07E-02
5	564356.6	4191305	6.42E-01	1.03E-01	6.08E-02	5.04E-02
6	564364.8	4191317	9.13E-01	1.47E-01	8.64E-02	7.16E-02
7	564340.3	4191299	3.34E-01	5.36E-02	3.16E-02	2.62E-02
8	564330.4	4191298	2.03E-01	3.26E-02	1.92E-02	1.59E-02
9	564320.6	4191296	1.21E-01	1.95E-02	1.15E-02	9.52E-03
10	564358.3	4191295	3.94E-01	6.32E-02	3.73E-02	3.09E-02
11	564372.9	4191311	7.10E-01	1.14E-01	6.72E-02	5.57E-02
12	564341.9	4191290	2.30E-01	3.69E-02	2.18E-02	1.81E-02
13	564332.1	4191288	1.60E-01	2.57E-02	1.52E-02	1.26E-02
14	564322.3	4191286	1.04E-01	1.67E-02	9.84E-03	8.16E-03
15	564359.9	4191285	2.52E-01	4.05E-02	2.39E-02	1.98E-02
16	564372.9	4191294	3.78E-01	6.07E-02	3.58E-02	2.97E-02
17	564381.1	4191305	5.29E-01	8.49E-02	5.01E-02	4.15E-02
18	564384.5	4191320	5.46E-01	8.76E-02	5.17E-02	4.28E-02
19	564343.6	4191280	1.66E-01	2.66E-02	1.57E-02	1.30E-02
20	564333.8	4191278	1.25E-01	2.01E-02	1.19E-02	9.82E-03
21	564323.9	4191276	8.79E-02	1.41E-02	8.32E-03	6.90E-03
22	564379.4	4191287	2.82E-01	4.52E-02	2.67E-02	2.21E-02
23	564356.8	4191262	1.10E-01	1.76E-02	1.04E-02	8.61E-03
24	564346.9	4191260	9.66E-02	1.55E-02	9.15E-03	7.58E-03
25	564337.1	4191258	8.03E-02	1.29E-02	7.60E-03	6.30E-03
26	564327.3	4191257	6.28E-02	1.01E-02	5.94E-03	4.93E-03
27	564366	4191257	9.97E-02	1.60E-02	9.44E-03	7.82E-03
28	564381.2	4191266	1.34E-01	2.15E-02	1.27E-02	1.05E-02
29	564348.6	4191250	7.73E-02	1.24E-02	7.32E-03	6.07E-03
30	564338.8	4191248	6.58E-02	1.05E-02	6.22E-03	5.16E-03
31	564328.9	4191247	5.35E-02	8.58E-03	5.06E-03	4.20E-03
32	564367.5	4191247	7.90E-02	1.27E-02	7.48E-03	6.20E-03
33	564382.4	4191256	1.00E-01	1.61E-02	9.50E-03	7.87E-03
34	564350.3	4191240	6.30E-02	1.01E-02	5.96E-03	4.94E-03
35	564340.4	4191239	5.47E-02	8.78E-03	5.18E-03	4.29E-03
36	564330.6	4191237	4.59E-02	7.37E-03	4.35E-03	3.60E-03
37	564370.1	4191237	6.54E-02	1.05E-02	6.19E-03	5.13E-03
38	564378.5	4191243	7.32E-02	1.17E-02	6.93E-03	5.74E-03
39	564386.8	4191248	8.21E-02	1.32E-02	7.77E-03	6.44E-03
40	564431.1	4191317	1.65E-01	2.64E-02	1.56E-02	1.29E-02
41	564433.3	4191326	1.29E-01	2.07E-02	1.22E-02	1.01E-02
42	564361.8	4191232	5.75E-02	9.22E-03	5.44E-03	4.51E-03
43	564351.9	4191230	5.22E-02	8.37E-03	4.94E-03	4.10E-03
44	564342.1	4191229	4.62E-02	7.41E-03	4.37E-03	3.63E-03
45	564332.3	4191227	3.98E-02	6.39E-03	3.77E-03	3.12E-03
46	564371.5	4191227	5.43E-02	8.71E-03	5.14E-03	4.26E-03

47	564379.7	4191232	5.98E-02	9.60E-03	5.67E-03	4.70E-03
48	564387.8	4191237	6.56E-02	1.05E-02	6.21E-03	5.15E-03
49	564436.8	4191300	1.68E-01	2.69E-02	1.59E-02	1.32E-02
50	564439	4191310	1.53E-01	2.46E-02	1.45E-02	1.20E-02
51	564441.1	4191319	1.27E-01	2.04E-02	1.21E-02	1.00E-02
52	564443.2	4191328	9.87E-02	1.58E-02	9.34E-03	7.74E-03
53	564363.4	4191222	4.83E-02	7.75E-03	4.57E-03	3.79E-03
54	564353.6	4191221	4.42E-02	7.09E-03	4.19E-03	3.47E-03
55	564343.8	4191219	3.96E-02	6.36E-03	3.75E-03	3.11E-03
56	564333.9	4191217	3.47E-02	5.56E-03	3.28E-03	2.72E-03
57	564373	4191217	4.59E-02	7.37E-03	4.35E-03	3.60E-03
58	564381	4191222	5.01E-02	8.04E-03	4.74E-03	3.93E-03
59	564388.9	4191227	5.41E-02	8.68E-03	5.12E-03	4.24E-03
60	564438.6	4191266	1.05E-01	1.68E-02	9.92E-03	8.22E-03
61	564446.9	4191303	1.38E-01	2.22E-02	1.31E-02	1.09E-02
62	564449	4191312	1.21E-01	1.95E-02	1.15E-02	9.52E-03
63	564451	4191321	9.84E-02	1.58E-02	9.32E-03	7.72E-03
64	564453.1	4191330	7.64E-02	1.23E-02	7.23E-03	5.99E-03
65	564365.1	4191212	4.14E-02	6.64E-03	3.92E-03	3.24E-03
66	564355.3	4191211	3.81E-02	6.12E-03	3.61E-03	2.99E-03
67	564345.4	4191209	3.45E-02	5.53E-03	3.26E-03	2.70E-03
68	564335.6	4191207	3.05E-02	4.89E-03	2.89E-03	2.39E-03
69	564374.5	4191207	3.94E-02	6.32E-03	3.73E-03	3.09E-03
70	564382.3	4191212	4.27E-02	6.84E-03	4.04E-03	3.35E-03
71	564390.1	4191217	4.56E-02	7.32E-03	4.32E-03	3.58E-03
72	564397.9	4191222	4.86E-02	7.80E-03	4.60E-03	3.81E-03
73	564436.9	4191246	7.19E-02	1.15E-02	6.81E-03	5.64E-03
74	564446.7	4191260	8.82E-02	1.41E-02	8.35E-03	6.92E-03
75	564448.7	4191269	1.01E-01	1.63E-02	9.60E-03	7.96E-03
76	564456.9	4191305	1.13E-01	1.81E-02	1.07E-02	8.83E-03
77	564458.9	4191314	9.57E-02	1.54E-02	9.06E-03	7.51E-03
78	564463	4191332	6.04E-02	9.69E-03	5.72E-03	4.74E-03
79	564366.8	4191202	3.58E-02	5.75E-03	3.39E-03	2.81E-03
80	564356.9	4191201	3.33E-02	5.34E-03	3.15E-03	2.61E-03
81	564347.1	4191199	3.03E-02	4.86E-03	2.87E-03	2.38E-03
82	564337.3	4191197	2.70E-02	4.34E-03	2.56E-03	2.12E-03
83	564376.9	4191198	3.45E-02	5.53E-03	3.26E-03	2.70E-03
84	564385.3	4191203	3.73E-02	5.99E-03	3.53E-03	2.93E-03
85	564393.7	4191208	3.98E-02	6.39E-03	3.77E-03	3.12E-03
86	564444.4	4191240	6.21E-02	9.97E-03	5.88E-03	4.88E-03
87	564455	4191255	7.63E-02	1.22E-02	7.22E-03	5.98E-03
88	564457.2	4191265	8.78E-02	1.41E-02	8.31E-03	6.89E-03
89	564459.4	4191275	9.89E-02	1.59E-02	9.36E-03	7.76E-03
90	564466.1	4191304	9.63E-02	1.55E-02	9.12E-03	7.56E-03
91	564468.3	4191314	8.07E-02	1.29E-02	7.64E-03	6.33E-03
92	564470.5	4191323	6.38E-02	1.02E-02	6.04E-03	5.01E-03
93	564472.7	4191333	4.98E-02	7.99E-03	4.72E-03	3.91E-03
94	564368.4	4191193	3.14E-02	5.03E-03	2.97E-03	2.46E-03
95	564358.6	4191191	2.93E-02	4.70E-03	2.77E-03	2.30E-03
96	564348.8	4191189	2.69E-02	4.31E-03	2.55E-03	2.11E-03
97	564338.9	4191188	2.43E-02	3.90E-03	2.30E-03	1.91E-03
98	564378.3	4191188	3.02E-02	4.84E-03	2.86E-03	2.37E-03

99	564386.6	4191193	3.25E-02	5.22E-03	3.08E-03	2.55E-03
100	564394.9	4191198	3.45E-02	5.54E-03	3.27E-03	2.71E-03
101	564444.4	4191229	5.12E-02	8.21E-03	4.84E-03	4.01E-03
102	564452.7	4191235	5.48E-02	8.79E-03	5.18E-03	4.30E-03
103	564463.1	4191249	6.59E-02	1.06E-02	6.24E-03	5.17E-03
104	564465.3	4191259	7.48E-02	1.20E-02	7.08E-03	5.87E-03
105	564467.5	4191268	8.40E-02	1.35E-02	7.96E-03	6.59E-03
106	564476.1	4191306	7.82E-02	1.26E-02	7.41E-03	6.14E-03
107	564478.3	4191316	6.44E-02	1.03E-02	6.10E-03	5.05E-03
108	564480.4	4191325	5.12E-02	8.21E-03	4.84E-03	4.01E-03
109	564482.6	4191335	4.08E-02	6.55E-03	3.87E-03	3.20E-03
110	564370.1	4191183	2.77E-02	4.44E-03	2.62E-03	2.17E-03
111	564360.3	4191181	2.60E-02	4.17E-03	2.46E-03	2.04E-03
112	564350.4	4191179	2.41E-02	3.86E-03	2.28E-03	1.89E-03
113	564340.6	4191178	2.19E-02	3.52E-03	2.08E-03	1.72E-03
114	564379.9	4191178	2.67E-02	4.28E-03	2.53E-03	2.09E-03
115	564388	4191183	2.87E-02	4.60E-03	2.71E-03	2.25E-03
116	564396.1	4191188	3.03E-02	4.87E-03	2.87E-03	2.38E-03
117	564444.8	4191219	4.25E-02	6.83E-03	4.03E-03	3.34E-03
118	564452.9	4191224	4.58E-02	7.35E-03	4.34E-03	3.59E-03
119	564461	4191229	4.87E-02	7.82E-03	4.61E-03	3.82E-03
120	564471.3	4191243	5.77E-02	9.25E-03	5.46E-03	4.52E-03
121	564473.4	4191253	6.47E-02	1.04E-02	6.12E-03	5.08E-03
122	564475.5	4191262	7.21E-02	1.16E-02	6.83E-03	5.66E-03
123	564477.6	4191271	7.87E-02	1.26E-02	7.45E-03	6.18E-03
124	564486.1	4191309	6.36E-02	1.02E-02	6.02E-03	4.99E-03
125	564488.2	4191318	5.20E-02	8.34E-03	4.92E-03	4.08E-03
126	564490.4	4191327	4.17E-02	6.70E-03	3.95E-03	3.27E-03
127	564492.5	4191337	3.41E-02	5.47E-03	3.23E-03	2.67E-03
128	564371.8	4191173	2.47E-02	3.95E-03	2.33E-03	1.93E-03
129	564361.9	4191171	2.33E-02	3.73E-03	2.20E-03	1.83E-03
130	564352.1	4191170	2.17E-02	3.48E-03	2.05E-03	1.70E-03
131	564342.3	4191168	1.99E-02	3.20E-03	1.89E-03	1.56E-03
132	564405.4	4191183	2.82E-02	4.52E-03	2.67E-03	2.21E-03
133	564445.3	4191208	3.59E-02	5.75E-03	3.40E-03	2.81E-03
134	564453.3	4191213	3.85E-02	6.18E-03	3.65E-03	3.02E-03
135	564461.3	4191218	4.12E-02	6.61E-03	3.90E-03	3.23E-03
136	564469.3	4191223	4.36E-02	7.00E-03	4.13E-03	3.42E-03
137	564479.4	4191237	5.08E-02	8.16E-03	4.81E-03	3.99E-03
138	564481.5	4191247	5.66E-02	9.08E-03	5.36E-03	4.44E-03
139	564483.6	4191256	6.25E-02	1.00E-02	5.91E-03	4.90E-03
140	564485.6	4191265	6.83E-02	1.10E-02	6.46E-03	5.36E-03
141	564487.7	4191274	7.23E-02	1.16E-02	6.85E-03	5.67E-03
142	564496.1	4191311	5.20E-02	8.34E-03	4.92E-03	4.08E-03
143	564498.2	4191320	4.25E-02	6.82E-03	4.02E-03	3.33E-03
144	564500.3	4191329	3.46E-02	5.55E-03	3.28E-03	2.72E-03
145	564502.4	4191339	2.89E-02	4.63E-03	2.73E-03	2.27E-03
146	564383	4191158	2.14E-02	3.43E-03	2.02E-03	1.68E-03
147	564390.8	4191163	2.28E-02	3.65E-03	2.15E-03	1.79E-03
148	564446	4191198	3.07E-02	4.93E-03	2.91E-03	2.41E-03
149	564453.9	4191203	3.28E-02	5.26E-03	3.11E-03	2.57E-03
150	564461.8	4191208	3.51E-02	5.62E-03	3.32E-03	2.75E-03

151	564469.7	4191213	3.73E-02	5.98E-03	3.53E-03	2.92E-03
152	564477.6	4191217	3.91E-02	6.28E-03	3.70E-03	3.07E-03
153	564487.5	4191232	4.51E-02	7.24E-03	4.27E-03	3.54E-03
154	564489.6	4191241	4.99E-02	8.00E-03	4.72E-03	3.91E-03
155	564491.6	4191250	5.48E-02	8.79E-03	5.19E-03	4.30E-03
156	564493.7	4191259	5.96E-02	9.56E-03	5.64E-03	4.68E-03
157	564495.8	4191268	6.36E-02	1.02E-02	6.02E-03	4.99E-03
158	564497.8	4191277	6.53E-02	1.05E-02	6.18E-03	5.13E-03
159	564506.1	4191313	4.28E-02	6.87E-03	4.06E-03	3.36E-03
160	564508.1	4191322	3.52E-02	5.64E-03	3.33E-03	2.76E-03
161	564510.2	4191331	2.91E-02	4.66E-03	2.75E-03	2.28E-03
162	564512.3	4191340	2.47E-02	3.96E-03	2.34E-03	1.94E-03
163	564375.1	4191153	1.99E-02	3.19E-03	1.88E-03	1.56E-03
164	564365.3	4191151	1.89E-02	3.04E-03	1.79E-03	1.49E-03
165	564355.4	4191150	1.79E-02	2.87E-03	1.69E-03	1.40E-03
166	564345.6	4191148	1.67E-02	2.67E-03	1.58E-03	1.31E-03
167	564385.1	4191149	1.93E-02	3.10E-03	1.83E-03	1.52E-03
168	564393.4	4191154	2.07E-02	3.31E-03	1.96E-03	1.62E-03
169	564451.9	4191190	2.78E-02	4.45E-03	2.63E-03	2.18E-03
170	564460.2	4191196	2.96E-02	4.74E-03	2.80E-03	2.32E-03
171	564468.6	4191201	3.16E-02	5.07E-03	2.99E-03	2.48E-03
172	564476.9	4191206	3.35E-02	5.37E-03	3.17E-03	2.63E-03
173	564485.2	4191211	3.51E-02	5.63E-03	3.32E-03	2.75E-03
174	564495.8	4191226	4.06E-02	6.52E-03	3.85E-03	3.19E-03
175	564498	4191236	4.49E-02	7.20E-03	4.25E-03	3.52E-03
176	564500.2	4191245	4.93E-02	7.92E-03	4.67E-03	3.87E-03
177	564502.3	4191255	5.36E-02	8.60E-03	5.07E-03	4.20E-03
178	564504.5	4191265	5.72E-02	9.17E-03	5.41E-03	4.48E-03
179	564506.7	4191274	5.86E-02	9.40E-03	5.55E-03	4.60E-03
180	564508.9	4191284	5.70E-02	9.14E-03	5.39E-03	4.47E-03
181	564515.4	4191313	3.76E-02	6.03E-03	3.56E-03	2.95E-03
182	564517.6	4191322	3.07E-02	4.92E-03	2.90E-03	2.41E-03
183	564519.8	4191332	2.51E-02	4.02E-03	2.37E-03	1.97E-03
184	564522	4191342	2.14E-02	3.43E-03	2.02E-03	1.68E-03
185	564376.7	4191143	1.80E-02	2.89E-03	1.70E-03	1.41E-03
186	564366.9	4191142	1.72E-02	2.76E-03	1.63E-03	1.35E-03
187	564357.1	4191140	1.63E-02	2.62E-03	1.55E-03	1.28E-03
188	564347.3	4191138	1.53E-02	2.46E-03	1.45E-03	1.20E-03
189	564386.6	4191139	1.75E-02	2.81E-03	1.66E-03	1.37E-03
190	564394.9	4191144	1.87E-02	3.00E-03	1.77E-03	1.47E-03
191	564477.1	4191195	2.89E-02	4.64E-03	2.74E-03	2.27E-03
192	564485.3	4191201	3.04E-02	4.88E-03	2.88E-03	2.38E-03
193	564493.5	4191206	3.17E-02	5.09E-03	3.00E-03	2.49E-03
194	564503.9	4191220	3.63E-02	5.83E-03	3.44E-03	2.85E-03
195	564506.1	4191230	4.01E-02	6.43E-03	3.79E-03	3.15E-03
196	564508.2	4191239	4.38E-02	7.03E-03	4.15E-03	3.44E-03
197	564510.4	4191249	4.75E-02	7.62E-03	4.50E-03	3.73E-03
198	564512.5	4191258	5.07E-02	8.13E-03	4.80E-03	3.98E-03
199	564514.7	4191268	5.27E-02	8.45E-03	4.99E-03	4.13E-03
200	564516.8	4191277	5.24E-02	8.40E-03	4.96E-03	4.11E-03
201	564525.4	4191315	3.12E-02	5.00E-03	2.95E-03	2.44E-03
202	564527.6	4191324	2.56E-02	4.11E-03	2.43E-03	2.01E-03

203	564529.7	4191334	2.15E-02	3.44E-03	2.03E-03	1.68E-03
204	564531.9	4191343	1.86E-02	2.98E-03	1.76E-03	1.46E-03
205	564378.4	4191133	1.64E-02	2.62E-03	1.55E-03	1.28E-03
206	564368.6	4191132	1.57E-02	2.52E-03	1.49E-03	1.23E-03
207	564358.8	4191130	1.49E-02	2.40E-03	1.41E-03	1.17E-03
208	564348.9	4191128	1.41E-02	2.26E-03	1.33E-03	1.11E-03
209	564388.2	4191129	1.60E-02	2.56E-03	1.51E-03	1.25E-03
210	564396.3	4191134	1.70E-02	2.72E-03	1.61E-03	1.33E-03
211	564453.1	4191169	2.17E-02	3.48E-03	2.05E-03	1.70E-03
212	564461.2	4191175	2.26E-02	3.63E-03	2.14E-03	1.78E-03
213	564469.3	4191180	2.38E-02	3.82E-03	2.26E-03	1.87E-03
214	564501.8	4191200	2.88E-02	4.62E-03	2.72E-03	2.26E-03
215	564512	4191214	3.27E-02	5.25E-03	3.10E-03	2.57E-03
216	564514.2	4191224	3.59E-02	5.76E-03	3.40E-03	2.82E-03
217	564516.3	4191233	3.92E-02	6.29E-03	3.71E-03	3.07E-03
218	564518.4	4191242	4.24E-02	6.80E-03	4.01E-03	3.33E-03
219	564520.5	4191252	4.52E-02	7.26E-03	4.28E-03	3.55E-03
220	564522.7	4191261	4.72E-02	7.57E-03	4.47E-03	3.70E-03
221	564524.8	4191270	4.77E-02	7.65E-03	4.51E-03	3.74E-03
222	564526.9	4191280	4.60E-02	7.38E-03	4.36E-03	3.61E-03
223	564535.4	4191317	2.63E-02	4.22E-03	2.49E-03	2.06E-03
224	564537.5	4191327	2.19E-02	3.51E-03	2.07E-03	1.72E-03
225	564539.7	4191336	1.86E-02	2.99E-03	1.76E-03	1.46E-03
226	564541.8	4191345	1.64E-02	2.63E-03	1.55E-03	1.29E-03
227	564380.1	4191124	1.50E-02	2.40E-03	1.42E-03	1.18E-03
228	564370.2	4191122	1.44E-02	2.31E-03	1.36E-03	1.13E-03
229	564360.4	4191120	1.37E-02	2.20E-03	1.30E-03	1.08E-03
230	564350.6	4191119	1.30E-02	2.08E-03	1.23E-03	1.02E-03
231	564389.8	4191119	1.46E-02	2.35E-03	1.39E-03	1.15E-03
232	564397.8	4191124	1.55E-02	2.49E-03	1.47E-03	1.22E-03
233	564453.9	4191159	1.95E-02	3.13E-03	1.84E-03	1.53E-03
234	564461.9	4191164	2.02E-02	3.23E-03	1.91E-03	1.58E-03
235	564470	4191169	2.10E-02	3.37E-03	1.99E-03	1.65E-03
236	564478	4191174	2.21E-02	3.54E-03	2.09E-03	1.73E-03
237	564486	4191179	2.32E-02	3.72E-03	2.19E-03	1.82E-03
238	564520.2	4191209	2.96E-02	4.74E-03	2.80E-03	2.32E-03
239	564522.3	4191218	3.23E-02	5.19E-03	3.06E-03	2.54E-03
240	564524.4	4191227	3.52E-02	5.65E-03	3.34E-03	2.76E-03
241	564526.5	4191236	3.80E-02	6.10E-03	3.60E-03	2.98E-03
242	564528.6	4191245	4.06E-02	6.51E-03	3.84E-03	3.18E-03
243	564530.7	4191255	4.24E-02	6.81E-03	4.02E-03	3.33E-03
244	564532.8	4191264	4.34E-02	6.96E-03	4.11E-03	3.40E-03
245	564534.9	4191273	4.27E-02	6.86E-03	4.05E-03	3.35E-03
246	564537	4191282	4.03E-02	6.46E-03	3.81E-03	3.16E-03
247	564545.4	4191319	2.24E-02	3.59E-03	2.12E-03	1.76E-03
248	564547.5	4191329	1.89E-02	3.03E-03	1.79E-03	1.48E-03
249	564549.6	4191338	1.64E-02	2.62E-03	1.55E-03	1.28E-03
250	564551.7	4191347	1.46E-02	2.35E-03	1.38E-03	1.15E-03
251	564381.7	4191114	1.38E-02	2.21E-03	1.30E-03	1.08E-03
252	564371.9	4191112	1.33E-02	2.13E-03	1.25E-03	1.04E-03
253	564362.1	4191110	1.27E-02	2.03E-03	1.20E-03	9.93E-04
254	564352.3	4191109	1.20E-02	1.92E-03	1.14E-03	9.41E-04

255	564391.8	4191109	1.35E-02	2.17E-03	1.28E-03	1.06E-03
256	564400.2	4191114	1.43E-02	2.30E-03	1.36E-03	1.12E-03
257	564450.6	4191146	1.75E-02	2.80E-03	1.65E-03	1.37E-03
258	564459	4191151	1.79E-02	2.87E-03	1.69E-03	1.40E-03
259	564467.4	4191157	1.85E-02	2.96E-03	1.75E-03	1.45E-03
260	564475.8	4191162	1.92E-02	3.09E-03	1.82E-03	1.51E-03
261	564484.2	4191167	2.02E-02	3.24E-03	1.91E-03	1.58E-03
262	564492.6	4191172	2.12E-02	3.40E-03	2.00E-03	1.66E-03
263	564501	4191178	2.22E-02	3.56E-03	2.10E-03	1.74E-03
264	564509.4	4191183	2.31E-02	3.71E-03	2.19E-03	1.81E-03
265	564528.4	4191203	2.70E-02	4.33E-03	2.56E-03	2.12E-03
266	564530.6	4191213	2.95E-02	4.73E-03	2.79E-03	2.32E-03
267	564532.8	4191223	3.22E-02	5.16E-03	3.05E-03	2.52E-03
268	564535	4191232	3.48E-02	5.58E-03	3.29E-03	2.73E-03
269	564537.2	4191242	3.72E-02	5.97E-03	3.52E-03	2.92E-03
270	564539.4	4191252	3.90E-02	6.26E-03	3.69E-03	3.06E-03
271	564541.6	4191261	3.98E-02	6.39E-03	3.77E-03	3.12E-03
272	564543.8	4191271	3.91E-02	6.27E-03	3.70E-03	3.07E-03
273	564546	4191281	3.66E-02	5.87E-03	3.47E-03	2.87E-03
274	564548.2	4191290	3.28E-02	5.26E-03	3.11E-03	2.57E-03
275	564554.8	4191319	2.00E-02	3.22E-03	1.90E-03	1.57E-03
276	564557	4191329	1.69E-02	2.72E-03	1.60E-03	1.33E-03
277	564559.2	4191339	1.47E-02	2.36E-03	1.39E-03	1.15E-03
278	564383.4	4191104	1.27E-02	2.04E-03	1.21E-03	9.99E-04
279	564373.6	4191102	1.23E-02	1.97E-03	1.16E-03	9.62E-04
280	564363.7	4191101	1.17E-02	1.88E-03	1.11E-03	9.21E-04
281	564353.9	4191099	1.12E-02	1.79E-03	1.06E-03	8.76E-04
282	564393.4	4191099	1.25E-02	2.00E-03	1.18E-03	9.80E-04
283	564401.7	4191104	1.32E-02	2.12E-03	1.25E-03	1.03E-03
284	564451.4	4191136	1.60E-02	2.56E-03	1.51E-03	1.25E-03
285	564459.7	4191141	1.63E-02	2.61E-03	1.54E-03	1.28E-03
286	564468	4191146	1.67E-02	2.68E-03	1.58E-03	1.31E-03
287	564476.3	4191151	1.72E-02	2.76E-03	1.63E-03	1.35E-03
288	564484.6	4191156	1.79E-02	2.88E-03	1.70E-03	1.41E-03
289	564492.9	4191162	1.88E-02	3.01E-03	1.78E-03	1.47E-03
290	564501.2	4191167	1.96E-02	3.15E-03	1.86E-03	1.54E-03
291	564509.5	4191172	2.05E-02	3.29E-03	1.94E-03	1.61E-03
292	564517.8	4191177	2.13E-02	3.42E-03	2.02E-03	1.67E-03
293	564526.1	4191183	2.20E-02	3.53E-03	2.08E-03	1.73E-03
294	564538.7	4191207	2.68E-02	4.30E-03	2.53E-03	2.10E-03
295	564540.9	4191216	2.91E-02	4.66E-03	2.75E-03	2.28E-03
296	564543.1	4191226	3.15E-02	5.05E-03	2.98E-03	2.47E-03
297	564545.2	4191235	3.37E-02	5.40E-03	3.19E-03	2.64E-03
298	564547.4	4191245	3.55E-02	5.69E-03	3.36E-03	2.78E-03
299	564549.6	4191255	3.66E-02	5.87E-03	3.46E-03	2.87E-03
300	564551.8	4191264	3.64E-02	5.85E-03	3.45E-03	2.86E-03
301	564553.9	4191274	3.49E-02	5.59E-03	3.30E-03	2.73E-03
302	564556.1	4191283	3.19E-02	5.12E-03	3.02E-03	2.50E-03
303	564564.8	4191321	1.73E-02	2.78E-03	1.64E-03	1.36E-03
304	564385.1	4191094	1.18E-02	1.89E-03	1.12E-03	9.26E-04
305	564375.2	4191092	1.14E-02	1.83E-03	1.08E-03	8.94E-04
306	564365.4	4191091	1.09E-02	1.76E-03	1.04E-03	8.59E-04

307	564355.6	4191089	1.04E-02	1.67E-03	9.88E-04	8.19E-04
308	564394.9	4191089	1.16E-02	1.86E-03	1.10E-03	9.09E-04
309	564403.1	4191094	1.22E-02	1.96E-03	1.15E-03	9.56E-04
310	564452.3	4191125	1.47E-02	2.36E-03	1.39E-03	1.15E-03
311	564460.5	4191130	1.49E-02	2.40E-03	1.41E-03	1.17E-03
312	564468.7	4191136	1.52E-02	2.44E-03	1.44E-03	1.19E-03
313	564476.9	4191141	1.56E-02	2.50E-03	1.48E-03	1.22E-03
314	564485.1	4191146	1.61E-02	2.58E-03	1.53E-03	1.26E-03
315	564493.3	4191151	1.68E-02	2.69E-03	1.59E-03	1.31E-03
316	564501.5	4191156	1.75E-02	2.80E-03	1.65E-03	1.37E-03
317	564509.7	4191161	1.82E-02	2.93E-03	1.73E-03	1.43E-03
318	564517.9	4191166	1.90E-02	3.04E-03	1.80E-03	1.49E-03
319	564526.1	4191172	1.97E-02	3.15E-03	1.86E-03	1.54E-03
320	564534.3	4191177	2.03E-02	3.25E-03	1.92E-03	1.59E-03
321	564549	4191210	2.64E-02	4.23E-03	2.50E-03	2.07E-03
322	564551.1	4191220	2.84E-02	4.56E-03	2.69E-03	2.23E-03
323	564553.3	4191229	3.05E-02	4.89E-03	2.88E-03	2.39E-03
324	564555.4	4191239	3.23E-02	5.17E-03	3.05E-03	2.53E-03
325	564557.6	4191248	3.35E-02	5.38E-03	3.17E-03	2.63E-03
326	564559.7	4191257	3.39E-02	5.44E-03	3.21E-03	2.66E-03
327	564561.9	4191267	3.30E-02	5.29E-03	3.12E-03	2.59E-03
328	564564	4191276	3.08E-02	4.95E-03	2.92E-03	2.42E-03
329	564566.2	4191286	2.78E-02	4.45E-03	2.63E-03	2.18E-03
330	564386.7	4191084	1.10E-02	1.76E-03	1.04E-03	8.61E-04
331	564376.9	4191082	1.06E-02	1.70E-03	1.01E-03	8.33E-04
332	564367.1	4191081	1.02E-02	1.64E-03	9.68E-04	8.02E-04
333	564357.2	4191079	9.79E-03	1.57E-03	9.26E-04	7.68E-04
334	564404.6	4191084	1.13E-02	1.81E-03	1.07E-03	8.86E-04
335	564453.3	4191115	1.36E-02	2.18E-03	1.29E-03	1.07E-03
336	564461.4	4191120	1.38E-02	2.21E-03	1.30E-03	1.08E-03
337	564469.5	4191125	1.40E-02	2.24E-03	1.32E-03	1.10E-03
338	564477.7	4191130	1.42E-02	2.29E-03	1.35E-03	1.12E-03
339	564485.8	4191135	1.46E-02	2.34E-03	1.38E-03	1.15E-03
340	564493.9	4191140	1.51E-02	2.42E-03	1.43E-03	1.18E-03
341	564502	4191146	1.57E-02	2.51E-03	1.48E-03	1.23E-03
342	564510.1	4191151	1.63E-02	2.62E-03	1.55E-03	1.28E-03
343	564518.2	4191156	1.70E-02	2.73E-03	1.61E-03	1.33E-03
344	564526.3	4191161	1.76E-02	2.83E-03	1.67E-03	1.38E-03
345	564534.5	4191166	1.82E-02	2.92E-03	1.72E-03	1.43E-03
346	564542.6	4191171	1.87E-02	3.00E-03	1.77E-03	1.47E-03
347	564552.8	4191185	2.06E-02	3.30E-03	1.95E-03	1.61E-03
348	564559.2	4191214	2.58E-02	4.14E-03	2.44E-03	2.02E-03
349	564561.3	4191223	2.76E-02	4.43E-03	2.62E-03	2.17E-03
350	564563.4	4191232	2.93E-02	4.71E-03	2.78E-03	2.30E-03
351	564565.6	4191242	3.07E-02	4.92E-03	2.90E-03	2.41E-03
352	564567.7	4191251	3.13E-02	5.02E-03	2.97E-03	2.46E-03
353	564569.8	4191260	3.10E-02	4.97E-03	2.93E-03	2.43E-03
354	564571.9	4191270	2.95E-02	4.74E-03	2.80E-03	2.32E-03
355	564588.9	4191344	1.07E-02	1.72E-03	1.01E-03	8.40E-04
356	564591.1	4191354	9.91E-03	1.59E-03	9.38E-04	7.78E-04
357	564457.6	4191107	1.27E-02	2.03E-03	1.20E-03	9.95E-04
358	564466	4191112	1.28E-02	2.06E-03	1.22E-03	1.01E-03

359	564474.5	4191117	1.30E-02	2.09E-03	1.23E-03	1.02E-03
360	564482.9	4191123	1.33E-02	2.13E-03	1.26E-03	1.04E-03
361	564491.3	4191128	1.36E-02	2.18E-03	1.29E-03	1.07E-03
362	564499.8	4191133	1.40E-02	2.25E-03	1.33E-03	1.10E-03
363	564508.2	4191139	1.45E-02	2.33E-03	1.38E-03	1.14E-03
364	564516.7	4191144	1.52E-02	2.43E-03	1.44E-03	1.19E-03
365	564525.1	4191149	1.58E-02	2.54E-03	1.50E-03	1.24E-03
366	564533.5	4191154	1.64E-02	2.63E-03	1.55E-03	1.29E-03
367	564542	4191160	1.69E-02	2.71E-03	1.60E-03	1.33E-03
368	564550.4	4191165	1.73E-02	2.78E-03	1.64E-03	1.36E-03
369	564561.1	4191180	1.90E-02	3.05E-03	1.80E-03	1.49E-03
370	564563.3	4191190	2.06E-02	3.30E-03	1.95E-03	1.61E-03
371	564569.9	4191219	2.56E-02	4.10E-03	2.42E-03	2.00E-03
372	564572.1	4191229	2.71E-02	4.35E-03	2.57E-03	2.13E-03
373	564574.3	4191238	2.83E-02	4.55E-03	2.68E-03	2.22E-03
374	564576.5	4191248	2.89E-02	4.64E-03	2.74E-03	2.27E-03
375	564594.2	4191326	1.22E-02	1.96E-03	1.16E-03	9.59E-04
376	564596.4	4191336	1.08E-02	1.74E-03	1.02E-03	8.49E-04
377	564598.6	4191345	9.82E-03	1.57E-03	9.29E-04	7.70E-04
378	564600.8	4191355	9.10E-03	1.46E-03	8.61E-04	7.14E-04
379	564370.4	4191061	9.00E-03	1.44E-03	8.52E-04	7.06E-04
380	564360.6	4191059	8.65E-03	1.39E-03	8.19E-04	6.79E-04
381	564400.1	4191060	9.39E-03	1.51E-03	8.88E-04	7.36E-04
382	564408.4	4191065	9.83E-03	1.58E-03	9.31E-04	7.71E-04
383	564458.5	4191096	1.18E-02	1.90E-03	1.12E-03	9.29E-04
384	564466.9	4191102	1.20E-02	1.92E-03	1.13E-03	9.38E-04
385	564475.2	4191107	1.21E-02	1.94E-03	1.14E-03	9.47E-04
386	564483.5	4191112	1.23E-02	1.97E-03	1.16E-03	9.62E-04
387	564491.9	4191117	1.25E-02	2.01E-03	1.18E-03	9.81E-04
388	564500.2	4191123	1.28E-02	2.06E-03	1.21E-03	1.01E-03
389	564508.6	4191128	1.32E-02	2.12E-03	1.25E-03	1.04E-03
390	564516.9	4191133	1.37E-02	2.20E-03	1.30E-03	1.08E-03
391	564525.3	4191138	1.43E-02	2.29E-03	1.35E-03	1.12E-03
392	564533.6	4191144	1.48E-02	2.38E-03	1.41E-03	1.16E-03
393	564542	4191149	1.53E-02	2.46E-03	1.45E-03	1.20E-03
394	564550.3	4191154	1.58E-02	2.53E-03	1.49E-03	1.24E-03
395	564558.7	4191159	1.60E-02	2.56E-03	1.51E-03	1.25E-03
396	564569.2	4191174	1.76E-02	2.82E-03	1.67E-03	1.38E-03
397	564571.4	4191184	1.90E-02	3.04E-03	1.79E-03	1.49E-03
398	564573.6	4191193	2.04E-02	3.27E-03	1.93E-03	1.60E-03
399	564577.9	4191213	2.33E-02	3.74E-03	2.21E-03	1.83E-03
400	564580.1	4191222	2.48E-02	3.97E-03	2.34E-03	1.94E-03
401	564591	4191270	2.44E-02	3.91E-03	2.31E-03	1.91E-03
402	564593.2	4191280	2.22E-02	3.56E-03	2.10E-03	1.74E-03
403	564595.4	4191289	1.96E-02	3.14E-03	1.85E-03	1.54E-03
404	564597.6	4191299	1.69E-02	2.71E-03	1.60E-03	1.32E-03
405	564604.2	4191328	1.09E-02	1.75E-03	1.03E-03	8.56E-04
406	564606.3	4191338	9.77E-03	1.57E-03	9.24E-04	7.66E-04
407	564391.7	4191055	8.96E-03	1.44E-03	8.48E-04	7.03E-04
408	564381.9	4191053	8.73E-03	1.40E-03	8.27E-04	6.85E-04
409	564372.1	4191051	8.46E-03	1.36E-03	8.01E-04	6.64E-04
410	564362.2	4191050	8.16E-03	1.31E-03	7.73E-04	6.40E-04

411	564401.7	4191050	8.78E-03	1.41E-03	8.31E-04	6.89E-04
412	564467.8	4191091	1.12E-02	1.80E-03	1.06E-03	8.79E-04
413	564476	4191097	1.13E-02	1.81E-03	1.07E-03	8.86E-04
414	564484.3	4191102	1.14E-02	1.83E-03	1.08E-03	8.96E-04
415	564492.5	4191107	1.16E-02	1.86E-03	1.10E-03	9.10E-04
416	564500.8	4191112	1.18E-02	1.90E-03	1.12E-03	9.29E-04
417	564509.1	4191117	1.21E-02	1.95E-03	1.15E-03	9.52E-04
418	564517.3	4191122	1.25E-02	2.01E-03	1.19E-03	9.82E-04
419	564525.6	4191128	1.30E-02	2.08E-03	1.23E-03	1.02E-03
420	564533.9	4191133	1.35E-02	2.16E-03	1.28E-03	1.06E-03
421	564542.1	4191138	1.39E-02	2.24E-03	1.32E-03	1.09E-03
422	564550.4	4191143	1.44E-02	2.30E-03	1.36E-03	1.13E-03
423	564558.6	4191148	1.47E-02	2.36E-03	1.39E-03	1.16E-03
424	564566.9	4191154	1.49E-02	2.40E-03	1.41E-03	1.17E-03
425	564577.3	4191168	1.64E-02	2.63E-03	1.55E-03	1.29E-03
426	564579.5	4191178	1.76E-02	2.82E-03	1.66E-03	1.38E-03
427	564581.7	4191187	1.88E-02	3.01E-03	1.78E-03	1.47E-03
428	564596.8	4191254	2.45E-02	3.93E-03	2.32E-03	1.92E-03
429	564599	4191263	2.34E-02	3.75E-03	2.21E-03	1.84E-03
430	564601.1	4191273	2.16E-02	3.47E-03	2.05E-03	1.70E-03
431	564603.3	4191282	1.95E-02	3.13E-03	1.84E-03	1.53E-03
432	564605.4	4191292	1.71E-02	2.74E-03	1.62E-03	1.34E-03
433	564607.6	4191301	1.48E-02	2.37E-03	1.40E-03	1.16E-03
434	564393.4	4191045	8.41E-03	1.35E-03	7.96E-04	6.59E-04
435	564383.6	4191043	8.21E-03	1.32E-03	7.77E-04	6.44E-04
436	564373.7	4191041	7.97E-03	1.28E-03	7.54E-04	6.25E-04
437	564363.9	4191040	7.69E-03	1.23E-03	7.28E-04	6.03E-04
438	564403.2	4191040	8.24E-03	1.32E-03	7.80E-04	6.46E-04
439	564493.3	4191096	1.08E-02	1.73E-03	1.02E-03	8.47E-04
440	564501.5	4191102	1.10E-02	1.76E-03	1.04E-03	8.61E-04
441	564509.7	4191107	1.12E-02	1.80E-03	1.06E-03	8.79E-04
442	564517.8	4191112	1.15E-02	1.84E-03	1.09E-03	9.01E-04
443	564526	4191117	1.18E-02	1.90E-03	1.12E-03	9.29E-04
444	564534.2	4191122	1.22E-02	1.96E-03	1.16E-03	9.61E-04
445	564542.4	4191127	1.27E-02	2.03E-03	1.20E-03	9.93E-04
446	564550.6	4191132	1.31E-02	2.10E-03	1.24E-03	1.03E-03
447	564558.8	4191138	1.35E-02	2.16E-03	1.28E-03	1.06E-03
448	564566.9	4191143	1.38E-02	2.21E-03	1.31E-03	1.08E-03
449	564575.1	4191148	1.40E-02	2.24E-03	1.32E-03	1.10E-03
450	564585.5	4191162	1.53E-02	2.46E-03	1.45E-03	1.20E-03
451	564600.5	4191228	2.27E-02	3.64E-03	2.15E-03	1.78E-03
452	564602.6	4191238	2.31E-02	3.71E-03	2.19E-03	1.82E-03
453	564604.8	4191247	2.30E-02	3.69E-03	2.18E-03	1.81E-03
454	564606.9	4191257	2.23E-02	3.58E-03	2.11E-03	1.75E-03
455	564609	4191266	2.10E-02	3.37E-03	1.99E-03	1.65E-03
456	564611.2	4191276	1.92E-02	3.08E-03	1.82E-03	1.51E-03
457	564613.3	4191285	1.71E-02	2.75E-03	1.62E-03	1.35E-03
458	564615.5	4191294	1.50E-02	2.41E-03	1.42E-03	1.18E-03
459	564617.6	4191304	1.30E-02	2.08E-03	1.23E-03	1.02E-03
460	564626.2	4191341	8.09E-03	1.30E-03	7.66E-04	6.35E-04
461	564628.3	4191351	7.52E-03	1.21E-03	7.12E-04	5.90E-04
462	564630.5	4191360	7.10E-03	1.14E-03	6.72E-04	5.57E-04

463	564395.1	4191035	7.90E-03	1.27E-03	7.48E-04	6.20E-04
464	564385.2	4191033	7.71E-03	1.24E-03	7.30E-04	6.05E-04
465	564375.4	4191032	7.50E-03	1.20E-03	7.10E-04	5.88E-04
466	564365.6	4191030	7.25E-03	1.16E-03	6.86E-04	5.69E-04
467	564404.8	4191030	7.74E-03	1.24E-03	7.33E-04	6.08E-04
468	564453.5	4191061	9.56E-03	1.53E-03	9.05E-04	7.50E-04
469	564461.6	4191066	9.74E-03	1.56E-03	9.22E-04	7.64E-04
470	564469.8	4191071	9.87E-03	1.58E-03	9.35E-04	7.75E-04
471	564477.9	4191076	9.97E-03	1.60E-03	9.44E-04	7.82E-04
472	564518.4	4191101	1.06E-02	1.70E-03	1.00E-03	8.31E-04
473	564526.6	4191106	1.09E-02	1.74E-03	1.03E-03	8.53E-04
474	564534.7	4191112	1.12E-02	1.80E-03	1.06E-03	8.78E-04
475	564542.8	4191117	1.15E-02	1.85E-03	1.09E-03	9.06E-04
476	564550.9	4191122	1.19E-02	1.91E-03	1.13E-03	9.35E-04
477	564559	4191127	1.23E-02	1.97E-03	1.16E-03	9.63E-04
478	564567.1	4191132	1.26E-02	2.03E-03	1.20E-03	9.91E-04
479	564575.2	4191137	1.29E-02	2.08E-03	1.23E-03	1.02E-03
480	564583.4	4191142	1.31E-02	2.10E-03	1.24E-03	1.03E-03
481	564608.5	4191222	2.10E-02	3.36E-03	1.99E-03	1.65E-03
482	564610.6	4191231	2.15E-02	3.45E-03	2.03E-03	1.69E-03
483	564612.7	4191241	2.16E-02	3.46E-03	2.04E-03	1.69E-03
484	564614.8	4191250	2.12E-02	3.39E-03	2.00E-03	1.66E-03
485	564617	4191259	2.02E-02	3.24E-03	1.91E-03	1.58E-03
486	564619.1	4191269	1.87E-02	3.01E-03	1.77E-03	1.47E-03
487	564621.2	4191278	1.70E-02	2.73E-03	1.61E-03	1.33E-03
488	564623.3	4191287	1.51E-02	2.43E-03	1.43E-03	1.19E-03
489	564625.5	4191297	1.32E-02	2.12E-03	1.25E-03	1.04E-03
490	564627.6	4191306	1.15E-02	1.85E-03	1.09E-03	9.04E-04
491	564634	4191334	8.08E-03	1.30E-03	7.65E-04	6.34E-04
492	564636.1	4191343	7.42E-03	1.19E-03	7.02E-04	5.82E-04
493	564638.2	4191353	6.93E-03	1.11E-03	6.56E-04	5.44E-04
494	564640.3	4191362	6.58E-03	1.06E-03	6.23E-04	5.16E-04
495	564396.7	4191025	7.44E-03	1.19E-03	7.04E-04	5.83E-04
496	564386.9	4191023	7.26E-03	1.17E-03	6.88E-04	5.70E-04
497	564377.1	4191022	7.07E-03	1.13E-03	6.69E-04	5.54E-04
498	564367.2	4191020	6.84E-03	1.10E-03	6.48E-04	5.37E-04
499	564406.8	4191020	7.31E-03	1.17E-03	6.92E-04	5.74E-04
500	564457.1	4191052	9.02E-03	1.45E-03	8.54E-04	7.08E-04
501	564465.5	4191057	9.19E-03	1.47E-03	8.70E-04	7.21E-04
502	564473.9	4191062	9.32E-03	1.49E-03	8.82E-04	7.31E-04
503	564482.2	4191068	9.40E-03	1.51E-03	8.90E-04	7.37E-04
504	564490.6	4191073	9.46E-03	1.52E-03	8.96E-04	7.42E-04
505	564499	4191078	9.52E-03	1.53E-03	9.01E-04	7.47E-04
506	564507.4	4191084	9.61E-03	1.54E-03	9.10E-04	7.54E-04
507	564549.3	4191110	1.08E-02	1.73E-03	1.02E-03	8.48E-04
508	564557.7	4191115	1.12E-02	1.79E-03	1.06E-03	8.75E-04
509	564566.1	4191120	1.15E-02	1.84E-03	1.09E-03	9.02E-04
510	564574.5	4191126	1.18E-02	1.90E-03	1.12E-03	9.27E-04
511	564582.9	4191131	1.20E-02	1.92E-03	1.14E-03	9.41E-04
512	564591.2	4191136	1.23E-02	1.97E-03	1.16E-03	9.62E-04
513	564608.4	4191180	1.61E-02	2.58E-03	1.52E-03	1.26E-03
514	564610.6	4191190	1.70E-02	2.73E-03	1.61E-03	1.33E-03

515	564612.8	4191199	1.79E-02	2.87E-03	1.70E-03	1.41E-03
516	564617.2	4191219	1.96E-02	3.15E-03	1.86E-03	1.54E-03
517	564619.4	4191228	2.01E-02	3.22E-03	1.90E-03	1.58E-03
518	564621.6	4191238	2.02E-02	3.24E-03	1.91E-03	1.58E-03
519	564623.8	4191248	1.97E-02	3.17E-03	1.87E-03	1.55E-03
520	564626	4191257	1.88E-02	3.02E-03	1.78E-03	1.48E-03
521	564628.2	4191267	1.74E-02	2.80E-03	1.65E-03	1.37E-03
522	564630.4	4191277	1.58E-02	2.53E-03	1.49E-03	1.24E-03
523	564632.6	4191286	1.40E-02	2.25E-03	1.33E-03	1.10E-03
524	564634.8	4191296	1.23E-02	1.97E-03	1.16E-03	9.62E-04
525	564637	4191306	1.07E-02	1.72E-03	1.01E-03	8.39E-04
526	564643.5	4191335	7.50E-03	1.20E-03	7.10E-04	5.88E-04
527	564645.7	4191344	6.89E-03	1.11E-03	6.52E-04	5.40E-04
528	564647.9	4191354	6.44E-03	1.03E-03	6.10E-04	5.06E-04
529	564650.1	4191363	6.13E-03	9.83E-04	5.80E-04	4.81E-04
530	564398.4	4191015	7.02E-03	1.13E-03	6.65E-04	5.51E-04
531	564388.6	4191013	6.86E-03	1.10E-03	6.50E-04	5.38E-04
532	564378.7	4191012	6.69E-03	1.07E-03	6.33E-04	5.25E-04
533	564368.9	4191010	6.49E-03	1.04E-03	6.14E-04	5.09E-04
534	564307.4	4191314	1.07E-01	1.71E-02	1.01E-02	8.38E-03
535	564304.7	4191330	1.83E-01	2.93E-02	1.73E-02	1.44E-02
536	564301.9	4191346	2.63E-01	4.22E-02	2.49E-02	2.06E-02
537	564301.6	4191306	6.91E-02	1.11E-02	6.54E-03	5.42E-03
538	564296.2	4191321	8.88E-02	1.43E-02	8.41E-03	6.97E-03
539	564293.4	4191337	1.28E-01	2.06E-02	1.22E-02	1.01E-02
540	564290.7	4191353	1.55E-01	2.49E-02	1.47E-02	1.22E-02
541	564291.8	4191304	4.89E-02	7.85E-03	4.63E-03	3.84E-03
542	564307.4	4191290	5.88E-02	9.43E-03	5.56E-03	4.61E-03
543	564286.3	4191319	5.99E-02	9.60E-03	5.67E-03	4.70E-03
544	564283.6	4191335	7.85E-02	1.26E-02	7.43E-03	6.16E-03
545	564281.9	4191303	3.66E-02	5.87E-03	3.46E-03	2.87E-03
546	564290.1	4191290	3.33E-02	5.35E-03	3.16E-03	2.61E-03
547	564301.6	4191281	4.11E-02	6.59E-03	3.89E-03	3.22E-03
548	564276.5	4191317	4.27E-02	6.85E-03	4.04E-03	3.35E-03
549	564273.7	4191333	5.26E-02	8.43E-03	4.98E-03	4.12E-03
550	564272.1	4191301	2.85E-02	4.58E-03	2.70E-03	2.24E-03
551	564280.2	4191288	2.61E-02	4.18E-03	2.47E-03	2.05E-03
552	564295.8	4191273	3.02E-02	4.85E-03	2.86E-03	2.37E-03
553	564310.7	4191270	4.85E-02	7.78E-03	4.59E-03	3.81E-03
554	564266.6	4191315	3.20E-02	5.13E-03	3.03E-03	2.51E-03
555	564263.9	4191332	3.76E-02	6.03E-03	3.56E-03	2.95E-03
556	564262.2	4191299	2.29E-02	3.67E-03	2.16E-03	1.79E-03
557	564270.4	4191286	2.13E-02	3.41E-03	2.01E-03	1.67E-03
558	564278.5	4191273	1.97E-02	3.15E-03	1.86E-03	1.54E-03
559	564256.8	4191314	2.48E-02	3.98E-03	2.35E-03	1.95E-03
560	564254	4191330	2.82E-02	4.53E-03	2.67E-03	2.21E-03
561	564252.4	4191298	1.86E-02	2.99E-03	1.77E-03	1.46E-03
562	564260.5	4191285	1.77E-02	2.84E-03	1.68E-03	1.39E-03
563	564268.6	4191272	1.62E-02	2.60E-03	1.53E-03	1.27E-03
564	564314	4191250	3.99E-02	6.40E-03	3.78E-03	3.13E-03
565	564246.9	4191312	1.98E-02	3.18E-03	1.87E-03	1.55E-03
566	564244.1	4191328	2.20E-02	3.53E-03	2.08E-03	1.72E-03

567	564242.5	4191296	1.55E-02	2.48E-03	1.47E-03	1.21E-03
568	564250.6	4191283	1.49E-02	2.39E-03	1.41E-03	1.17E-03
569	564258.8	4191270	1.38E-02	2.21E-03	1.30E-03	1.08E-03
570	564278.5	4191249	1.47E-02	2.36E-03	1.39E-03	1.15E-03
571	564293.4	4191245	2.09E-02	3.35E-03	1.98E-03	1.64E-03
572	564308.3	4191242	3.05E-02	4.90E-03	2.89E-03	2.40E-03
573	564237	4191310	1.62E-02	2.59E-03	1.53E-03	1.27E-03
574	564234.3	4191327	1.76E-02	2.83E-03	1.67E-03	1.38E-03
575	564232.6	4191294	1.30E-02	2.09E-03	1.23E-03	1.02E-03
576	564240.8	4191281	1.28E-02	2.05E-03	1.21E-03	1.00E-03
577	564248.9	4191268	1.19E-02	1.91E-03	1.13E-03	9.33E-04
578	564272.7	4191241	1.22E-02	1.95E-03	1.15E-03	9.54E-04
579	564287.6	4191237	1.67E-02	2.68E-03	1.58E-03	1.31E-03
580	564302.5	4191234	2.39E-02	3.84E-03	2.27E-03	1.88E-03
581	564317.4	4191230	3.25E-02	5.22E-03	3.08E-03	2.55E-03
582	564227.2	4191309	1.34E-02	2.16E-03	1.27E-03	1.05E-03
583	564224.4	4191325	1.44E-02	2.32E-03	1.37E-03	1.13E-03
584	564222.8	4191292	1.11E-02	1.79E-03	1.05E-03	8.74E-04
585	564230.9	4191280	1.10E-02	1.77E-03	1.04E-03	8.65E-04
586	564239.1	4191267	1.04E-02	1.67E-03	9.87E-04	8.18E-04
587	564255.4	4191241	9.23E-03	1.48E-03	8.73E-04	7.24E-04
588	564266.9	4191233	1.02E-02	1.64E-03	9.68E-04	8.02E-04
589	564281.8	4191229	1.36E-02	2.18E-03	1.29E-03	1.07E-03
590	564296.7	4191226	1.91E-02	3.07E-03	1.81E-03	1.50E-03
591	564311.6	4191222	2.59E-02	4.16E-03	2.45E-03	2.03E-03
592	564217.3	4191307	1.14E-02	1.82E-03	1.07E-03	8.91E-04
593	564214.6	4191323	1.21E-02	1.93E-03	1.14E-03	9.46E-04
594	564212.9	4191291	9.62E-03	1.54E-03	9.10E-04	7.54E-04
595	564221.1	4191278	9.60E-03	1.54E-03	9.09E-04	7.53E-04
596	564229.2	4191265	9.20E-03	1.48E-03	8.71E-04	7.21E-04
597	564245.5	4191239	8.08E-03	1.30E-03	7.65E-04	6.34E-04
598	564261.1	4191224	8.73E-03	1.40E-03	8.27E-04	6.85E-04
599	564276	4191221	1.13E-02	1.81E-03	1.07E-03	8.86E-04
600	564290.9	4191218	1.55E-02	2.48E-03	1.46E-03	1.21E-03
601	564305.8	4191214	2.08E-02	3.34E-03	1.97E-03	1.63E-03
602	564320.7	4191211	2.62E-02	4.21E-03	2.48E-03	2.06E-03
603	564207.5	4191305	9.72E-03	1.56E-03	9.20E-04	7.63E-04
604	564204.7	4191321	1.02E-02	1.64E-03	9.69E-04	8.03E-04
605	564203.1	4191289	8.38E-03	1.34E-03	7.93E-04	6.58E-04
606	564211.2	4191276	8.44E-03	1.35E-03	7.99E-04	6.62E-04
607	564219.4	4191263	8.16E-03	1.31E-03	7.72E-04	6.40E-04
608	564235.6	4191237	7.19E-03	1.15E-03	6.81E-04	5.64E-04
609	564243.8	4191224	6.93E-03	1.11E-03	6.56E-04	5.44E-04
610	564255.3	4191216	7.56E-03	1.21E-03	7.15E-04	5.93E-04
611	564270.2	4191213	9.53E-03	1.53E-03	9.03E-04	7.48E-04
612	564285.1	4191209	1.27E-02	2.04E-03	1.21E-03	9.99E-04
613	564300	4191206	1.70E-02	2.73E-03	1.61E-03	1.33E-03
614	564314.9	4191203	2.16E-02	3.46E-03	2.04E-03	1.69E-03
615	564197.6	4191304	8.43E-03	1.35E-03	7.98E-04	6.62E-04
616	564194.9	4191320	8.83E-03	1.42E-03	8.36E-04	6.93E-04
617	564201.4	4191274	7.46E-03	1.20E-03	7.07E-04	5.86E-04
618	564209.5	4191262	7.28E-03	1.17E-03	6.89E-04	5.71E-04

619	564225.8	4191236	6.47E-03	1.04E-03	6.13E-04	5.08E-04
620	564233.9	4191223	6.17E-03	9.90E-04	5.84E-04	4.84E-04
621	564249.5	4191208	6.61E-03	1.06E-03	6.26E-04	5.19E-04
622	564264.4	4191205	8.18E-03	1.31E-03	7.75E-04	6.42E-04
623	564279.3	4191201	1.07E-02	1.71E-03	1.01E-03	8.38E-04
624	564294.2	4191198	1.41E-02	2.25E-03	1.33E-03	1.10E-03
625	564309.1	4191194	1.79E-02	2.88E-03	1.70E-03	1.41E-03
626	564324	4191191	2.15E-02	3.45E-03	2.03E-03	1.69E-03
627	564183.4	4191286	6.53E-03	1.05E-03	6.18E-04	5.12E-04
628	564215.9	4191234	5.88E-03	9.43E-04	5.57E-04	4.61E-04
629	564224.1	4191221	5.59E-03	8.96E-04	5.29E-04	4.38E-04
630	564232.2	4191208	5.43E-03	8.71E-04	5.14E-04	4.26E-04
631	564243.7	4191200	5.84E-03	9.37E-04	5.53E-04	4.58E-04
632	564258.6	4191196	7.10E-03	1.14E-03	6.72E-04	5.57E-04
633	564273.5	4191193	9.09E-03	1.46E-03	8.61E-04	7.13E-04
634	564288.4	4191190	1.19E-02	1.90E-03	1.12E-03	9.31E-04
635	564303.3	4191186	1.51E-02	2.43E-03	1.43E-03	1.19E-03
636	564318.2	4191183	1.83E-02	2.94E-03	1.73E-03	1.44E-03
637	564177.9	4191300	6.53E-03	1.05E-03	6.18E-04	5.12E-04
638	564175.1	4191316	6.80E-03	1.09E-03	6.44E-04	5.33E-04
639	564172.4	4191333	7.20E-03	1.16E-03	6.82E-04	5.65E-04
640	564173.8	4191284	5.83E-03	9.35E-04	5.52E-04	4.57E-04
641	564182.5	4191270	5.96E-03	9.56E-04	5.64E-04	4.68E-04
642	564208.7	4191228	5.28E-03	8.47E-04	5.00E-04	4.14E-04
643	564217.4	4191214	5.02E-03	8.05E-04	4.75E-04	3.94E-04
644	564226.1	4191200	4.88E-03	7.83E-04	4.62E-04	3.83E-04
645	564238.5	4191192	5.23E-03	8.38E-04	4.95E-04	4.10E-04
646	564254.4	4191188	6.34E-03	1.02E-03	6.00E-04	4.97E-04
647	564270.4	4191184	8.17E-03	1.31E-03	7.74E-04	6.41E-04
648	564286.4	4191181	1.08E-02	1.73E-03	1.02E-03	8.45E-04
649	564302.3	4191177	1.38E-02	2.22E-03	1.31E-03	1.08E-03
650	564318.3	4191173	1.67E-02	2.68E-03	1.58E-03	1.31E-03
651	564168.1	4191299	5.81E-03	9.33E-04	5.50E-04	4.56E-04
652	564165.3	4191315	6.02E-03	9.65E-04	5.69E-04	4.72E-04
653	564162.5	4191331	6.35E-03	1.02E-03	6.01E-04	4.98E-04
654	564163.9	4191282	5.26E-03	8.43E-04	4.98E-04	4.12E-04
655	564172.6	4191268	5.37E-03	8.62E-04	5.09E-04	4.22E-04
656	564181.3	4191254	5.32E-03	8.54E-04	5.04E-04	4.18E-04
657	564207.3	4191213	4.61E-03	7.40E-04	4.37E-04	3.62E-04
658	564216	4191199	4.45E-03	7.14E-04	4.21E-04	3.49E-04
659	564232.7	4191183	4.69E-03	7.52E-04	4.44E-04	3.68E-04
660	564248.6	4191180	5.58E-03	8.96E-04	5.29E-04	4.38E-04
661	564264.5	4191176	7.04E-03	1.13E-03	6.67E-04	5.53E-04
662	564280.3	4191173	9.20E-03	1.48E-03	8.71E-04	7.22E-04
663	564296.2	4191169	1.18E-02	1.89E-03	1.12E-03	9.26E-04
664	564312.1	4191165	1.44E-02	2.31E-03	1.36E-03	1.13E-03
665	564158.2	4191297	5.21E-03	8.36E-04	4.93E-04	4.09E-04
666	564155.4	4191313	5.36E-03	8.60E-04	5.07E-04	4.21E-04
667	564152.7	4191329	5.64E-03	9.05E-04	5.34E-04	4.43E-04
668	564154	4191280	4.76E-03	7.64E-04	4.51E-04	3.74E-04
669	564162.7	4191266	4.89E-03	7.84E-04	4.63E-04	3.83E-04
670	564171.3	4191253	4.86E-03	7.79E-04	4.60E-04	3.81E-04

671	564180	4191239	4.69E-03	7.53E-04	4.44E-04	3.68E-04
672	564188.7	4191225	4.46E-03	7.16E-04	4.22E-04	3.50E-04
673	564214.6	4191184	3.99E-03	6.40E-04	3.78E-04	3.13E-04
674	564226.8	4191175	4.23E-03	6.79E-04	4.01E-04	3.32E-04
675	564242.7	4191172	4.97E-03	7.97E-04	4.70E-04	3.90E-04
676	564258.5	4191168	6.14E-03	9.85E-04	5.81E-04	4.82E-04
677	564274.3	4191164	7.91E-03	1.27E-03	7.49E-04	6.21E-04
678	564290.2	4191161	1.01E-02	1.63E-03	9.61E-04	7.96E-04
679	564148.3	4191295	4.70E-03	7.54E-04	4.45E-04	3.69E-04
680	564145.6	4191311	4.81E-03	7.72E-04	4.55E-04	3.77E-04
681	564142.8	4191328	5.05E-03	8.10E-04	4.78E-04	3.96E-04
682	564144.2	4191279	4.33E-03	6.95E-04	4.10E-04	3.40E-04
683	564152.8	4191265	4.46E-03	7.16E-04	4.22E-04	3.50E-04
684	564161.4	4191251	4.46E-03	7.16E-04	4.22E-04	3.50E-04
685	564170	4191237	4.32E-03	6.94E-04	4.09E-04	3.39E-04
686	564178.7	4191224	4.12E-03	6.61E-04	3.90E-04	3.23E-04
687	564187.3	4191210	3.93E-03	6.30E-04	3.72E-04	3.08E-04
688	564221	4191167	3.84E-03	6.16E-04	3.64E-04	3.01E-04
689	564236.8	4191164	4.46E-03	7.16E-04	4.22E-04	3.50E-04
690	564252.6	4191160	5.43E-03	8.71E-04	5.14E-04	4.26E-04
691	564268.4	4191156	6.88E-03	1.10E-03	6.51E-04	5.40E-04
692	564299.9	4191149	1.08E-02	1.74E-03	1.03E-03	8.50E-04
693	564315.7	4191146	1.27E-02	2.04E-03	1.20E-03	9.96E-04
694	564331.5	4191142	1.42E-02	2.28E-03	1.35E-03	1.12E-03
695	564138.5	4191294	4.26E-03	6.84E-04	4.04E-04	3.34E-04
696	564135.7	4191310	4.35E-03	6.98E-04	4.12E-04	3.41E-04
697	564132.9	4191326	4.55E-03	7.30E-04	4.31E-04	3.57E-04
698	564134.3	4191277	3.95E-03	6.33E-04	3.74E-04	3.10E-04
699	564142.9	4191263	4.09E-03	6.56E-04	3.87E-04	3.21E-04
700	564151.5	4191250	4.11E-03	6.59E-04	3.89E-04	3.22E-04
701	564160.1	4191236	4.01E-03	6.43E-04	3.79E-04	3.14E-04
702	564168.7	4191222	3.83E-03	6.14E-04	3.62E-04	3.00E-04
703	564177.3	4191209	3.64E-03	5.85E-04	3.45E-04	2.86E-04
704	564185.9	4191195	3.50E-03	5.61E-04	3.31E-04	2.74E-04
705	564194.5	4191181	3.39E-03	5.44E-04	3.21E-04	2.66E-04
706	564215.2	4191159	3.50E-03	5.62E-04	3.32E-04	2.75E-04
707	564231	4191155	4.03E-03	6.47E-04	3.82E-04	3.16E-04
708	564246.7	4191152	4.84E-03	7.76E-04	4.58E-04	3.80E-04
709	564278.1	4191145	7.66E-03	1.23E-03	7.25E-04	6.01E-04
710	564293.9	4191141	9.46E-03	1.52E-03	8.96E-04	7.43E-04
711	564309.6	4191137	1.12E-02	1.79E-03	1.06E-03	8.77E-04
712	564325.3	4191134	1.26E-02	2.03E-03	1.20E-03	9.91E-04
713	564128.6	4191292	3.88E-03	6.22E-04	3.67E-04	3.04E-04
714	564125.9	4191308	3.96E-03	6.35E-04	3.75E-04	3.10E-04
715	564123.1	4191324	4.12E-03	6.61E-04	3.90E-04	3.23E-04
716	564124.4	4191275	3.61E-03	5.79E-04	3.42E-04	2.83E-04
717	564133	4191262	3.75E-03	6.01E-04	3.55E-04	2.94E-04
718	564141.6	4191248	3.79E-03	6.08E-04	3.59E-04	2.98E-04
719	564150.1	4191234	3.72E-03	5.97E-04	3.52E-04	2.92E-04
720	564158.7	4191221	3.57E-03	5.73E-04	3.38E-04	2.80E-04
721	564167.3	4191207	3.40E-03	5.45E-04	3.22E-04	2.66E-04
722	564175.9	4191194	3.25E-03	5.22E-04	3.08E-04	2.55E-04

723	564184.4	4191180	3.15E-03	5.05E-04	2.98E-04	2.47E-04
724	564193	4191166	3.07E-03	4.93E-04	2.91E-04	2.41E-04
725	564256.5	4191140	5.35E-03	8.58E-04	5.06E-04	4.20E-04
726	564272.2	4191137	6.72E-03	1.08E-03	6.36E-04	5.27E-04
727	564287.8	4191133	8.31E-03	1.33E-03	7.87E-04	6.52E-04
728	564303.5	4191129	9.88E-03	1.58E-03	9.35E-04	7.75E-04
729	564319.2	4191126	1.12E-02	1.80E-03	1.06E-03	8.82E-04
730	564334.9	4191122	1.23E-02	1.97E-03	1.16E-03	9.65E-04
731	564118.8	4191290	3.54E-03	5.68E-04	3.35E-04	2.78E-04
732	564116	4191306	3.61E-03	5.80E-04	3.42E-04	2.83E-04
733	564113.2	4191322	3.75E-03	6.02E-04	3.55E-04	2.95E-04
734	564114.6	4191274	3.31E-03	5.32E-04	3.14E-04	2.60E-04
735	564123.1	4191260	3.44E-03	5.52E-04	3.26E-04	2.70E-04
736	564131.7	4191246	3.50E-03	5.61E-04	3.31E-04	2.75E-04
737	564140.2	4191233	3.46E-03	5.55E-04	3.28E-04	2.72E-04
738	564148.8	4191219	3.33E-03	5.35E-04	3.16E-04	2.62E-04
739	564157.3	4191206	3.18E-03	5.09E-04	3.01E-04	2.49E-04
740	564165.9	4191192	3.04E-03	4.88E-04	2.88E-04	2.38E-04
741	564174.4	4191178	2.94E-03	4.72E-04	2.78E-04	2.31E-04
742	564183	4191165	2.87E-03	4.60E-04	2.71E-04	2.25E-04
743	564191.5	4191151	2.82E-03	4.52E-04	2.67E-04	2.21E-04
744	564234.9	4191136	3.92E-03	6.29E-04	3.71E-04	3.08E-04
745	564250.5	4191132	4.77E-03	7.65E-04	4.51E-04	3.74E-04
746	564266.2	4191128	5.93E-03	9.51E-04	5.61E-04	4.65E-04
747	564281.8	4191125	7.33E-03	1.18E-03	6.94E-04	5.75E-04
748	564297.5	4191121	8.75E-03	1.40E-03	8.29E-04	6.87E-04
749	564313.1	4191118	1.00E-02	1.61E-03	9.50E-04	7.87E-04
750	564328.8	4191114	1.11E-02	1.78E-03	1.05E-03	8.69E-04
751	564108.9	4191288	3.25E-03	5.22E-04	3.08E-04	2.55E-04
752	564106.1	4191305	3.31E-03	5.31E-04	3.13E-04	2.60E-04
753	564103.4	4191321	3.43E-03	5.50E-04	3.25E-04	2.69E-04
754	564104.7	4191272	3.06E-03	4.91E-04	2.90E-04	2.40E-04
755	564113.2	4191258	3.18E-03	5.09E-04	3.01E-04	2.49E-04
756	564121.8	4191245	3.24E-03	5.20E-04	3.07E-04	2.54E-04
757	564130.3	4191231	3.22E-03	5.16E-04	3.05E-04	2.53E-04
758	564138.8	4191218	3.12E-03	5.00E-04	2.95E-04	2.45E-04
759	564147.4	4191204	2.98E-03	4.77E-04	2.82E-04	2.33E-04
760	564155.9	4191191	2.85E-03	4.57E-04	2.69E-04	2.23E-04
761	564164.4	4191177	2.75E-03	4.41E-04	2.60E-04	2.16E-04
762	564172.9	4191163	2.68E-03	4.30E-04	2.54E-04	2.10E-04
763	564181.5	4191150	2.63E-03	4.21E-04	2.49E-04	2.06E-04
764	564213.4	4191131	3.06E-03	4.91E-04	2.90E-04	2.40E-04
765	564229	4191127	3.55E-03	5.69E-04	3.36E-04	2.78E-04
766	564244.6	4191124	4.27E-03	6.85E-04	4.04E-04	3.35E-04
767	564260.3	4191120	5.26E-03	8.44E-04	4.98E-04	4.13E-04
768	564275.9	4191117	6.49E-03	1.04E-03	6.15E-04	5.09E-04
769	564291.5	4191113	7.78E-03	1.25E-03	7.37E-04	6.11E-04
770	564307.1	4191110	8.98E-03	1.44E-03	8.50E-04	7.05E-04
771	564322.7	4191106	1.00E-02	1.60E-03	9.46E-04	7.84E-04
772	564338.3	4191102	1.07E-02	1.72E-03	1.01E-03	8.39E-04
773	564099.1	4191287	3.00E-03	4.82E-04	2.84E-04	2.35E-04
774	564096.3	4191303	3.04E-03	4.88E-04	2.88E-04	2.39E-04

775	564093.5	4191319	3.14E-03	5.04E-04	2.98E-04	2.47E-04
776	564094.8	4191270	2.84E-03	4.55E-04	2.69E-04	2.23E-04
777	564103.4	4191257	2.95E-03	4.73E-04	2.79E-04	2.31E-04
778	564111.9	4191243	3.01E-03	4.82E-04	2.84E-04	2.36E-04
779	564120.4	4191230	3.00E-03	4.81E-04	2.84E-04	2.35E-04
780	564128.9	4191216	2.92E-03	4.69E-04	2.77E-04	2.29E-04
781	564137.4	4191203	2.80E-03	4.49E-04	2.65E-04	2.19E-04
782	564145.9	4191189	2.67E-03	4.29E-04	2.53E-04	2.10E-04
783	564154.4	4191176	2.58E-03	4.14E-04	2.44E-04	2.02E-04
784	564162.9	4191162	2.51E-03	4.03E-04	2.38E-04	1.97E-04
785	564171.4	4191148	2.45E-03	3.94E-04	2.32E-04	1.93E-04
786	564192	4191126	2.53E-03	4.07E-04	2.40E-04	1.99E-04
787	564223.2	4191119	3.23E-03	5.18E-04	3.06E-04	2.54E-04
788	564238.7	4191116	3.84E-03	6.16E-04	3.63E-04	3.01E-04
789	564254.3	4191112	4.70E-03	7.53E-04	4.45E-04	3.68E-04
790	564269.9	4191109	5.78E-03	9.27E-04	5.47E-04	4.53E-04
791	564285.5	4191105	6.94E-03	1.11E-03	6.57E-04	5.44E-04
792	564301.1	4191101	8.03E-03	1.29E-03	7.60E-04	6.30E-04
793	564316.6	4191098	8.98E-03	1.44E-03	8.50E-04	7.04E-04
794	564332.2	4191094	9.72E-03	1.56E-03	9.20E-04	7.63E-04
795	564089.2	4191285	2.78E-03	4.46E-04	2.63E-04	2.18E-04
796	564086.4	4191301	2.81E-03	4.51E-04	2.66E-04	2.21E-04
797	564083.7	4191317	2.89E-03	4.64E-04	2.74E-04	2.27E-04
798	564085	4191269	2.64E-03	4.23E-04	2.50E-04	2.07E-04
799	564093.5	4191255	2.74E-03	4.40E-04	2.60E-04	2.15E-04
800	564102	4191242	2.80E-03	4.49E-04	2.65E-04	2.20E-04
801	564110.5	4191228	2.80E-03	4.49E-04	2.65E-04	2.20E-04
802	564119	4191215	2.74E-03	4.40E-04	2.60E-04	2.15E-04
803	564127.5	4191201	2.64E-03	4.23E-04	2.50E-04	2.07E-04
804	564135.9	4191188	2.52E-03	4.04E-04	2.39E-04	1.98E-04
805	564144.4	4191174	2.43E-03	3.89E-04	2.30E-04	1.90E-04
806	564152.9	4191161	2.36E-03	3.78E-04	2.23E-04	1.85E-04
807	564161.4	4191147	2.30E-03	3.70E-04	2.18E-04	1.81E-04
808	564186.2	4191118	2.36E-03	3.78E-04	2.23E-04	1.85E-04
809	564217.3	4191111	2.96E-03	4.75E-04	2.80E-04	2.32E-04
810	564232.9	4191108	3.47E-03	5.57E-04	3.28E-04	2.72E-04
811	564248.4	4191104	4.21E-03	6.76E-04	3.99E-04	3.30E-04
812	564264	4191100	5.16E-03	8.28E-04	4.88E-04	4.05E-04
813	564279.5	4191097	6.19E-03	9.94E-04	5.86E-04	4.86E-04
814	564295.1	4191093	7.18E-03	1.15E-03	6.80E-04	5.64E-04
815	564310.6	4191090	8.08E-03	1.30E-03	7.65E-04	6.34E-04
816	564326.1	4191086	8.83E-03	1.42E-03	8.35E-04	6.92E-04
817	564341.7	4191083	9.39E-03	1.51E-03	8.89E-04	7.37E-04
818	564079.3	4191283	2.58E-03	4.14E-04	2.44E-04	2.02E-04
819	564076.6	4191300	2.60E-03	4.18E-04	2.47E-04	2.04E-04
820	564073.8	4191316	2.68E-03	4.30E-04	2.54E-04	2.10E-04
821	564075.1	4191267	2.45E-03	3.94E-04	2.32E-04	1.93E-04
822	564083.6	4191253	2.56E-03	4.10E-04	2.42E-04	2.01E-04
823	564092.1	4191240	2.61E-03	4.19E-04	2.47E-04	2.05E-04
824	564100.6	4191226	2.62E-03	4.20E-04	2.48E-04	2.06E-04
825	564109	4191213	2.58E-03	4.13E-04	2.44E-04	2.02E-04
826	564117.5	4191199	2.49E-03	4.00E-04	2.36E-04	1.95E-04

827	564126	4191186	2.38E-03	3.82E-04	2.26E-04	1.87E-04
828	564134.5	4191173	2.29E-03	3.67E-04	2.17E-04	1.80E-04
829	564143	4191159	2.22E-03	3.56E-04	2.10E-04	1.74E-04
830	564151.4	4191146	2.17E-03	3.48E-04	2.06E-04	1.70E-04
831	564168.4	4191119	2.11E-03	3.39E-04	2.00E-04	1.66E-04
832	564180.4	4191110	2.20E-03	3.53E-04	2.08E-04	1.73E-04
833	564195.9	4191107	2.42E-03	3.89E-04	2.29E-04	1.90E-04
834	564227	4191099	3.17E-03	5.08E-04	3.00E-04	2.48E-04
835	564242.5	4191096	3.80E-03	6.09E-04	3.60E-04	2.98E-04
836	564258	4191092	4.63E-03	7.42E-04	4.38E-04	3.63E-04
837	564273.5	4191089	5.56E-03	8.91E-04	5.26E-04	4.36E-04
838	564289.1	4191085	6.46E-03	1.04E-03	6.11E-04	5.06E-04
839	564304.6	4191082	7.28E-03	1.17E-03	6.90E-04	5.71E-04
840	564320.1	4191078	8.01E-03	1.28E-03	7.58E-04	6.28E-04
841	564335.6	4191075	8.60E-03	1.38E-03	8.14E-04	6.75E-04
842	564069.5	4191282	2.40E-03	3.85E-04	2.27E-04	1.88E-04
843	564066.7	4191298	2.42E-03	3.88E-04	2.29E-04	1.90E-04
844	564064	4191314	2.49E-03	3.99E-04	2.36E-04	1.95E-04
845	564065.2	4191265	2.29E-03	3.67E-04	2.16E-04	1.79E-04
846	564073.7	4191252	2.38E-03	3.82E-04	2.26E-04	1.87E-04
847	564082.2	4191238	2.44E-03	3.92E-04	2.31E-04	1.92E-04
848	564090.6	4191225	2.45E-03	3.94E-04	2.32E-04	1.93E-04
849	564099.1	4191211	2.42E-03	3.89E-04	2.30E-04	1.90E-04
850	564107.6	4191198	2.35E-03	3.78E-04	2.23E-04	1.85E-04
851	564116.1	4191184	2.26E-03	3.62E-04	2.14E-04	1.77E-04
852	564124.5	4191171	2.17E-03	3.47E-04	2.05E-04	1.70E-04
853	564133	4191158	2.10E-03	3.36E-04	1.99E-04	1.65E-04
854	564141.5	4191144	2.05E-03	3.29E-04	1.94E-04	1.61E-04
855	564158.4	4191117	1.99E-03	3.19E-04	1.88E-04	1.56E-04
856	564174.6	4191102	2.06E-03	3.30E-04	1.95E-04	1.61E-04
857	564190.1	4191098	2.25E-03	3.61E-04	2.13E-04	1.77E-04
858	564221.1	4191091	2.90E-03	4.65E-04	2.74E-04	2.27E-04
859	564236.6	4191088	3.44E-03	5.53E-04	3.26E-04	2.70E-04
860	564252.1	4191084	4.17E-03	6.69E-04	3.95E-04	3.27E-04
861	564267.6	4191081	5.01E-03	8.04E-04	4.74E-04	3.93E-04
862	564283.1	4191077	5.83E-03	9.35E-04	5.52E-04	4.57E-04
863	564298.6	4191074	6.59E-03	1.06E-03	6.24E-04	5.17E-04
864	564314.1	4191070	7.30E-03	1.17E-03	6.91E-04	5.73E-04
865	564059.6	4191280	2.23E-03	3.58E-04	2.11E-04	1.75E-04
866	564056.9	4191296	2.25E-03	3.61E-04	2.13E-04	1.77E-04
867	564054.1	4191312	2.32E-03	3.72E-04	2.19E-04	1.82E-04
868	564055.4	4191264	2.14E-03	3.43E-04	2.02E-04	1.68E-04
869	564063.8	4191250	2.23E-03	3.57E-04	2.11E-04	1.75E-04
870	564072.3	4191237	2.29E-03	3.67E-04	2.17E-04	1.80E-04
871	564080.7	4191223	2.31E-03	3.70E-04	2.18E-04	1.81E-04
872	564089.2	4191210	2.28E-03	3.66E-04	2.16E-04	1.79E-04
873	564097.7	4191196	2.23E-03	3.57E-04	2.11E-04	1.75E-04
874	564106.1	4191183	2.14E-03	3.43E-04	2.03E-04	1.68E-04
875	564114.6	4191169	2.05E-03	3.29E-04	1.94E-04	1.61E-04
876	564123	4191156	1.98E-03	3.18E-04	1.88E-04	1.56E-04
877	564131.5	4191143	1.94E-03	3.11E-04	1.83E-04	1.52E-04
878	564148.4	4191116	1.87E-03	3.00E-04	1.77E-04	1.47E-04

879	564156.8	4191102	1.86E-03	2.98E-04	1.76E-04	1.46E-04
880	564168.8	4191094	1.93E-03	3.10E-04	1.83E-04	1.51E-04
881	564184.3	4191090	2.10E-03	3.37E-04	1.99E-04	1.65E-04
882	564199.8	4191087	2.33E-03	3.74E-04	2.21E-04	1.83E-04
883	564230.7	4191080	3.14E-03	5.03E-04	2.97E-04	2.46E-04
884	564246.2	4191076	3.77E-03	6.05E-04	3.57E-04	2.96E-04
885	564261.7	4191073	4.53E-03	7.27E-04	4.29E-04	3.55E-04
886	564277.1	4191069	5.30E-03	8.50E-04	5.01E-04	4.16E-04
887	564292.6	4191065	6.00E-03	9.63E-04	5.68E-04	4.71E-04
888	564339	4191055	7.72E-03	1.24E-03	7.31E-04	6.05E-04
889	564049.8	4191278	2.09E-03	3.35E-04	1.97E-04	1.64E-04
890	564047	4191294	2.10E-03	3.38E-04	1.99E-04	1.65E-04
891	564044.2	4191311	2.16E-03	3.47E-04	2.05E-04	1.70E-04
892	564045.5	4191262	2.00E-03	3.21E-04	1.89E-04	1.57E-04
893	564054	4191248	2.09E-03	3.35E-04	1.97E-04	1.64E-04
894	564062.4	4191235	2.15E-03	3.45E-04	2.04E-04	1.69E-04
895	564070.9	4191222	2.17E-03	3.49E-04	2.06E-04	1.71E-04
896	564079.3	4191208	2.16E-03	3.46E-04	2.04E-04	1.69E-04
897	564087.7	4191195	2.11E-03	3.38E-04	1.99E-04	1.65E-04
898	564096.2	4191181	2.03E-03	3.26E-04	1.92E-04	1.59E-04
899	564104.6	4191168	1.95E-03	3.13E-04	1.85E-04	1.53E-04
900	564113.1	4191155	1.88E-03	3.02E-04	1.78E-04	1.48E-04
901	564121.5	4191141	1.84E-03	2.94E-04	1.74E-04	1.44E-04
902	564138.4	4191114	1.77E-03	2.84E-04	1.68E-04	1.39E-04
903	564146.8	4191101	1.75E-03	2.81E-04	1.66E-04	1.37E-04
904	564163	4191086	1.81E-03	2.91E-04	1.72E-04	1.42E-04
905	564178.5	4191082	1.97E-03	3.16E-04	1.86E-04	1.55E-04
906	564193.9	4191079	2.17E-03	3.48E-04	2.06E-04	1.70E-04
907	564224.8	4191072	2.87E-03	4.60E-04	2.72E-04	2.25E-04
908	564240.3	4191068	3.43E-03	5.50E-04	3.24E-04	2.69E-04
909	564255.7	4191064	4.10E-03	6.58E-04	3.89E-04	3.22E-04
910	564271.2	4191061	4.82E-03	7.74E-04	4.57E-04	3.78E-04
911	564317.5	4191050	6.67E-03	1.07E-03	6.31E-04	5.23E-04
912	564333	4191047	7.13E-03	1.14E-03	6.75E-04	5.60E-04
913	564348.5	4191043	7.48E-03	1.20E-03	7.08E-04	5.87E-04
914	564039.9	4191277	1.96E-03	3.14E-04	1.85E-04	1.53E-04
915	564037.1	4191293	1.97E-03	3.16E-04	1.87E-04	1.55E-04
916	564034.4	4191309	2.02E-03	3.24E-04	1.91E-04	1.58E-04
917	564035.7	4191260	1.88E-03	3.01E-04	1.78E-04	1.47E-04
918	564044.1	4191247	1.96E-03	3.14E-04	1.85E-04	1.54E-04
919	564052.5	4191233	2.02E-03	3.25E-04	1.92E-04	1.59E-04
920	564061	4191220	2.05E-03	3.29E-04	1.94E-04	1.61E-04
921	564069.4	4191207	2.04E-03	3.27E-04	1.93E-04	1.60E-04
922	564077.8	4191193	2.00E-03	3.20E-04	1.89E-04	1.57E-04
923	564086.3	4191180	1.93E-03	3.10E-04	1.83E-04	1.52E-04
924	564094.7	4191166	1.86E-03	2.98E-04	1.76E-04	1.46E-04
925	564103.1	4191153	1.79E-03	2.87E-04	1.70E-04	1.41E-04
926	564111.6	4191140	1.74E-03	2.79E-04	1.65E-04	1.37E-04
927	564128.4	4191113	1.68E-03	2.69E-04	1.59E-04	1.32E-04
928	564136.9	4191099	1.66E-03	2.66E-04	1.57E-04	1.30E-04
929	564145.3	4191086	1.65E-03	2.65E-04	1.56E-04	1.29E-04
930	564157.2	4191077	1.71E-03	2.74E-04	1.62E-04	1.34E-04

931	564172.7	4191074	1.85E-03	2.97E-04	1.75E-04	1.45E-04
932	564188.1	4191070	2.03E-03	3.26E-04	1.92E-04	1.59E-04
933	564203.5	4191067	2.28E-03	3.65E-04	2.16E-04	1.79E-04
934	564234.4	4191060	3.12E-03	5.01E-04	2.96E-04	2.45E-04
935	564249.8	4191056	3.73E-03	5.98E-04	3.53E-04	2.93E-04
936	564280.7	4191049	5.03E-03	8.07E-04	4.76E-04	3.95E-04
937	564296.1	4191046	5.60E-03	8.99E-04	5.30E-04	4.39E-04
938	564311.6	4191042	6.14E-03	9.85E-04	5.81E-04	4.82E-04
939	564327	4191039	6.59E-03	1.06E-03	6.24E-04	5.17E-04
940	564342.4	4191035	6.94E-03	1.11E-03	6.57E-04	5.44E-04
941	564030.1	4191275	1.84E-03	2.95E-04	1.74E-04	1.44E-04
942	564027.3	4191291	1.85E-03	2.97E-04	1.75E-04	1.45E-04
943	564024.5	4191307	1.89E-03	3.04E-04	1.79E-04	1.48E-04
944	564025.9	4191258	1.76E-03	2.83E-04	1.67E-04	1.38E-04
945	564034.7	4191244	1.84E-03	2.96E-04	1.74E-04	1.45E-04
946	564043.4	4191231	1.91E-03	3.06E-04	1.81E-04	1.50E-04
947	564052.1	4191217	1.94E-03	3.11E-04	1.84E-04	1.52E-04
948	564060.8	4191203	1.93E-03	3.09E-04	1.82E-04	1.51E-04
949	564069.6	4191189	1.89E-03	3.03E-04	1.79E-04	1.48E-04
950	564078.3	4191175	1.83E-03	2.93E-04	1.73E-04	1.43E-04
951	564087	4191161	1.76E-03	2.82E-04	1.66E-04	1.38E-04
952	564095.7	4191147	1.69E-03	2.71E-04	1.60E-04	1.33E-04
953	564104.5	4191133	1.64E-03	2.64E-04	1.56E-04	1.29E-04
954	564121.9	4191106	1.59E-03	2.55E-04	1.50E-04	1.25E-04
955	564130.6	4191092	1.57E-03	2.52E-04	1.48E-04	1.23E-04
956	564139.4	4191078	1.56E-03	2.50E-04	1.48E-04	1.22E-04
957	564151.7	4191069	1.61E-03	2.59E-04	1.53E-04	1.27E-04
958	564167.7	4191066	1.75E-03	2.81E-04	1.66E-04	1.37E-04
959	564183.6	4191062	1.92E-03	3.08E-04	1.82E-04	1.51E-04
960	564199.6	4191058	2.15E-03	3.46E-04	2.04E-04	1.69E-04
961	564263.5	4191044	4.18E-03	6.70E-04	3.95E-04	3.28E-04
962	564279.4	4191040	4.78E-03	7.66E-04	4.52E-04	3.75E-04
963	564295.4	4191036	5.33E-03	8.55E-04	5.04E-04	4.18E-04
964	564311.4	4191033	5.84E-03	9.36E-04	5.52E-04	4.58E-04
965	564327.3	4191029	6.26E-03	1.00E-03	5.93E-04	4.91E-04
966	564343.3	4191025	6.57E-03	1.05E-03	6.22E-04	5.15E-04
967	564020.2	4191273	1.73E-03	2.77E-04	1.64E-04	1.36E-04
968	564017.4	4191289	1.74E-03	2.80E-04	1.65E-04	1.37E-04
969	564014.7	4191306	1.78E-03	2.85E-04	1.68E-04	1.40E-04
970	564016.1	4191257	1.66E-03	2.67E-04	1.58E-04	1.31E-04
971	564024.8	4191243	1.74E-03	2.78E-04	1.64E-04	1.36E-04
972	564033.5	4191229	1.80E-03	2.89E-04	1.70E-04	1.41E-04
973	564042.2	4191215	1.83E-03	2.94E-04	1.74E-04	1.44E-04
974	564050.9	4191201	1.83E-03	2.93E-04	1.73E-04	1.43E-04
975	564059.6	4191187	1.79E-03	2.88E-04	1.70E-04	1.41E-04
976	564068.3	4191174	1.74E-03	2.79E-04	1.65E-04	1.37E-04
977	564077	4191160	1.68E-03	2.69E-04	1.59E-04	1.32E-04
978	564085.7	4191146	1.61E-03	2.59E-04	1.53E-04	1.27E-04
979	564094.4	4191132	1.57E-03	2.51E-04	1.48E-04	1.23E-04
980	564111.8	4191104	1.51E-03	2.43E-04	1.43E-04	1.19E-04
981	564120.5	4191091	1.49E-03	2.39E-04	1.41E-04	1.17E-04
982	564129.2	4191077	1.48E-03	2.37E-04	1.40E-04	1.16E-04

983	564145.9	4191061	1.53E-03	2.45E-04	1.45E-04	1.20E-04
984	564161.8	4191057	1.65E-03	2.65E-04	1.56E-04	1.29E-04
985	564177.8	4191054	1.81E-03	2.90E-04	1.71E-04	1.42E-04
986	564193.7	4191050	2.01E-03	3.23E-04	1.90E-04	1.58E-04
987	564225.5	4191043	2.71E-03	4.35E-04	2.57E-04	2.13E-04
988	564241.5	4191039	3.22E-03	5.17E-04	3.05E-04	2.53E-04
989	564257.4	4191036	3.80E-03	6.09E-04	3.60E-04	2.98E-04
990	564273.3	4191032	4.37E-03	7.01E-04	4.14E-04	3.43E-04
991	564289.3	4191028	4.90E-03	7.87E-04	4.64E-04	3.85E-04
992	564305.2	4191025	5.39E-03	8.64E-04	5.10E-04	4.23E-04
993	564321.1	4191021	5.81E-03	9.32E-04	5.50E-04	4.56E-04
994	564337	4191017	6.12E-03	9.82E-04	5.79E-04	4.80E-04
995	564353	4191014	6.33E-03	1.02E-03	5.99E-04	4.96E-04
996	564010.3	4191272	1.63E-03	2.62E-04	1.54E-04	1.28E-04
997	564007.6	4191288	1.64E-03	2.63E-04	1.55E-04	1.29E-04
998	564004.8	4191304	1.67E-03	2.69E-04	1.59E-04	1.31E-04
999	564300.7	4191372	2.59E-01	4.16E-02	2.45E-02	2.03E-02
1000	564317.2	4191377	3.62E-01	5.80E-02	3.42E-02	2.84E-02
1001	564327	4191379	3.73E-01	5.98E-02	3.53E-02	2.92E-02
1002	564336.9	4191381	3.34E-01	5.36E-02	3.17E-02	2.62E-02
1003	564299.2	4191382	1.99E-01	3.19E-02	1.88E-02	1.56E-02
1004	564284.3	4191366	1.29E-01	2.07E-02	1.22E-02	1.01E-02
1005	564315.7	4191387	2.36E-01	3.79E-02	2.24E-02	1.86E-02
1006	564325.5	4191389	2.37E-01	3.81E-02	2.25E-02	1.86E-02
1007	564335.4	4191390	2.18E-01	3.51E-02	2.07E-02	1.71E-02
1008	564297.7	4191392	1.52E-01	2.44E-02	1.44E-02	1.19E-02
1009	564284.5	4191384	1.21E-01	1.95E-02	1.15E-02	9.53E-03
1010	564276.2	4191372	9.49E-02	1.52E-02	8.98E-03	7.44E-03
1011	564314.1	4191397	1.65E-01	2.65E-02	1.56E-02	1.30E-02
1012	564324	4191399	1.64E-01	2.63E-02	1.55E-02	1.29E-02
1013	564333.9	4191400	1.53E-01	2.46E-02	1.45E-02	1.20E-02
1014	564294.5	4191401	1.17E-01	1.88E-02	1.11E-02	9.21E-03
1015	564286.3	4191396	1.09E-01	1.75E-02	1.03E-02	8.57E-03
1016	564278	4191390	9.43E-02	1.51E-02	8.92E-03	7.39E-03
1017	564267.6	4191376	7.16E-02	1.15E-02	6.78E-03	5.62E-03
1018	564265.4	4191367	6.34E-02	1.02E-02	6.00E-03	4.97E-03
1019	564302.8	4191406	1.17E-01	1.87E-02	1.11E-02	9.17E-03
1020	564312.6	4191407	1.21E-01	1.95E-02	1.15E-02	9.53E-03
1021	564322.5	4191409	1.20E-01	1.92E-02	1.13E-02	9.40E-03
1022	564332.3	4191410	1.13E-01	1.82E-02	1.07E-02	8.89E-03
1023	564293.3	4191411	9.34E-02	1.50E-02	8.84E-03	7.32E-03
1024	564285.4	4191406	9.07E-02	1.46E-02	8.59E-03	7.12E-03
1025	564277.5	4191401	8.32E-02	1.34E-02	7.88E-03	6.53E-03
1026	564269.6	4191396	7.25E-02	1.16E-02	6.86E-03	5.69E-03
1027	564259.6	4191382	5.75E-02	9.22E-03	5.44E-03	4.51E-03
1028	564257.5	4191373	5.21E-02	8.36E-03	4.93E-03	4.09E-03
1029	564255.4	4191364	4.55E-02	7.31E-03	4.31E-03	3.57E-03
1030	564301.3	4191416	9.12E-02	1.46E-02	8.64E-03	7.16E-03
1031	564311.1	4191417	9.33E-02	1.50E-02	8.83E-03	7.32E-03
1032	564321	4191419	9.17E-02	1.47E-02	8.68E-03	7.20E-03
1033	564330.8	4191420	8.75E-02	1.40E-02	8.28E-03	6.86E-03
1034	564292	4191421	7.55E-02	1.21E-02	7.15E-03	5.92E-03

1035	564284.4	4191416	7.51E-02	1.21E-02	7.11E-03	5.89E-03
1036	564276.7	4191411	7.17E-02	1.15E-02	6.79E-03	5.63E-03
1037	564269	4191407	6.55E-02	1.05E-02	6.20E-03	5.14E-03
1038	564261.3	4191402	5.77E-02	9.25E-03	5.46E-03	4.52E-03
1039	564251.5	4191388	4.71E-02	7.56E-03	4.46E-03	3.70E-03
1040	564247.5	4191371	3.90E-02	6.25E-03	3.69E-03	3.06E-03
1041	564299.7	4191425	7.31E-02	1.17E-02	6.92E-03	5.73E-03
1042	564309.6	4191427	7.39E-02	1.19E-02	7.00E-03	5.80E-03
1043	564319.4	4191428	7.25E-02	1.16E-02	6.87E-03	5.69E-03
1044	564329.3	4191430	6.95E-02	1.12E-02	6.58E-03	5.45E-03
1045	564290.7	4191431	6.21E-02	9.96E-03	5.88E-03	4.87E-03
1046	564275.6	4191421	6.13E-02	9.84E-03	5.81E-03	4.81E-03
1047	564260.5	4191412	5.30E-02	8.50E-03	5.02E-03	4.16E-03
1048	564243.5	4191394	3.93E-02	6.30E-03	3.72E-03	3.08E-03
1049	564239.5	4191377	3.36E-02	5.39E-03	3.18E-03	2.64E-03
1050	564235.5	4191360	2.61E-02	4.19E-03	2.47E-03	2.05E-03
1051	564308.1	4191437	6.00E-02	9.62E-03	5.68E-03	4.71E-03
1052	564317.9	4191438	5.88E-02	9.44E-03	5.57E-03	4.61E-03
1053	564327.8	4191440	5.66E-02	9.09E-03	5.36E-03	4.44E-03
1054	564288.2	4191440	5.20E-02	8.34E-03	4.92E-03	4.08E-03
1055	564279.7	4191435	5.29E-02	8.48E-03	5.00E-03	4.15E-03
1056	564271.3	4191430	5.20E-02	8.34E-03	4.92E-03	4.08E-03
1057	564262.8	4191424	4.93E-02	7.91E-03	4.66E-03	3.87E-03
1058	564254.3	4191419	4.50E-02	7.22E-03	4.26E-03	3.53E-03
1059	564245.8	4191414	3.98E-02	6.39E-03	3.77E-03	3.13E-03
1060	564235.1	4191399	3.30E-02	5.29E-03	3.12E-03	2.59E-03
1061	564232.9	4191389	3.08E-02	4.94E-03	2.92E-03	2.42E-03
1062	564230.6	4191380	2.80E-02	4.49E-03	2.65E-03	2.20E-03
1063	564228.4	4191370	2.47E-02	3.97E-03	2.34E-03	1.94E-03
1064	564226.1	4191360	2.14E-02	3.44E-03	2.03E-03	1.68E-03
1065	564296.7	4191445	4.96E-02	7.96E-03	4.70E-03	3.89E-03
1066	564306.6	4191447	4.96E-02	7.96E-03	4.70E-03	3.89E-03
1067	564316.4	4191448	4.87E-02	7.81E-03	4.61E-03	3.82E-03
1068	564326.3	4191450	4.71E-02	7.55E-03	4.46E-03	3.69E-03
1069	564286.9	4191450	4.39E-02	7.04E-03	4.16E-03	3.44E-03
1070	564278.7	4191445	4.51E-02	7.23E-03	4.26E-03	3.53E-03
1071	564270.5	4191440	4.50E-02	7.22E-03	4.26E-03	3.53E-03
1072	564262.2	4191435	4.37E-02	7.01E-03	4.14E-03	3.43E-03
1073	564254	4191430	4.12E-02	6.61E-03	3.90E-03	3.23E-03
1074	564245.7	4191425	3.77E-02	6.04E-03	3.57E-03	2.96E-03
1075	564237.5	4191420	3.36E-02	5.40E-03	3.18E-03	2.64E-03
1076	564227.1	4191405	2.83E-02	4.54E-03	2.68E-03	2.22E-03
1077	564224.9	4191396	2.67E-02	4.28E-03	2.53E-03	2.09E-03
1078	564222.7	4191386	2.46E-02	3.95E-03	2.33E-03	1.93E-03
1079	564220.5	4191377	2.22E-02	3.57E-03	2.11E-03	1.74E-03
1080	564218.3	4191368	1.97E-02	3.15E-03	1.86E-03	1.54E-03
1081	564216.2	4191358	1.72E-02	2.76E-03	1.63E-03	1.35E-03
1082	564261.4	4191445	3.86E-02	6.19E-03	3.66E-03	3.03E-03
1083	564253.4	4191440	3.72E-02	5.96E-03	3.52E-03	2.92E-03
1084	564245.3	4191435	3.49E-02	5.60E-03	3.31E-03	2.74E-03
1085	564237.2	4191430	3.20E-02	5.14E-03	3.03E-03	2.51E-03
1086	564229.2	4191425	2.88E-02	4.62E-03	2.73E-03	2.26E-03

1087	564219	4191411	2.46E-02	3.95E-03	2.33E-03	1.93E-03
1088	564216.9	4191402	2.33E-02	3.74E-03	2.21E-03	1.83E-03
1089	564214.7	4191393	2.18E-02	3.49E-03	2.06E-03	1.71E-03
1090	564212.6	4191384	2.00E-02	3.20E-03	1.89E-03	1.57E-03
1091	564210.5	4191374	1.80E-02	2.89E-03	1.70E-03	1.41E-03
1092	564208.3	4191365	1.60E-02	2.56E-03	1.51E-03	1.25E-03
1093	564206.2	4191356	1.41E-02	2.26E-03	1.33E-03	1.10E-03
1094	564236.8	4191441	3.00E-02	4.81E-03	2.84E-03	2.35E-03
1095	564228.8	4191436	2.76E-02	4.43E-03	2.61E-03	2.17E-03
1096	564220.9	4191431	2.50E-02	4.01E-03	2.37E-03	1.96E-03
1097	564210.9	4191417	2.16E-02	3.47E-03	2.05E-03	1.70E-03
1098	564208.8	4191408	2.06E-02	3.30E-03	1.95E-03	1.62E-03
1099	564206.7	4191399	1.94E-02	3.11E-03	1.83E-03	1.52E-03
1100	564204.6	4191390	1.80E-02	2.88E-03	1.70E-03	1.41E-03
1101	564202.5	4191381	1.64E-02	2.63E-03	1.55E-03	1.29E-03
1102	564200.5	4191372	1.48E-02	2.38E-03	1.40E-03	1.16E-03
1103	564198.4	4191363	1.32E-02	2.12E-03	1.25E-03	1.04E-03
1104	564196.3	4191354	1.18E-02	1.89E-03	1.11E-03	9.24E-04
1105	564292.1	4191475	3.09E-02	4.96E-03	2.93E-03	2.42E-03
1106	564302	4191476	3.07E-02	4.92E-03	2.90E-03	2.41E-03
1107	564311.9	4191478	3.01E-02	4.83E-03	2.85E-03	2.36E-03
1108	564321.7	4191479	2.94E-02	4.71E-03	2.78E-03	2.30E-03
1109	564267.2	4191470	3.00E-02	4.82E-03	2.84E-03	2.36E-03
1110	564259.5	4191466	3.02E-02	4.85E-03	2.86E-03	2.37E-03
1111	564251.7	4191461	2.99E-02	4.80E-03	2.83E-03	2.35E-03
1112	564212.7	4191437	2.19E-02	3.51E-03	2.07E-03	1.72E-03
1113	564202.8	4191423	1.92E-02	3.07E-03	1.81E-03	1.50E-03
1114	564198.7	4191406	1.74E-02	2.79E-03	1.64E-03	1.36E-03
1115	564196.7	4191397	1.62E-02	2.61E-03	1.54E-03	1.27E-03
1116	564192.5	4191379	1.37E-02	2.20E-03	1.30E-03	1.08E-03
1117	564290.6	4191485	2.70E-02	4.34E-03	2.56E-03	2.12E-03
1118	564300.5	4191486	2.68E-02	4.29E-03	2.53E-03	2.10E-03
1119	564310.3	4191488	2.63E-02	4.22E-03	2.49E-03	2.06E-03
1120	564320.2	4191489	2.56E-02	4.11E-03	2.43E-03	2.01E-03
1121	564263.9	4191479	2.67E-02	4.28E-03	2.53E-03	2.09E-03
1122	564255.5	4191474	2.69E-02	4.32E-03	2.55E-03	2.11E-03
1123	564247.1	4191469	2.67E-02	4.28E-03	2.53E-03	2.09E-03
1124	564238.8	4191464	2.59E-02	4.16E-03	2.46E-03	2.04E-03
1125	564230.4	4191459	2.48E-02	3.97E-03	2.34E-03	1.94E-03
1126	564194.6	4191428	1.71E-02	2.74E-03	1.62E-03	1.34E-03
1127	564192.3	4191419	1.63E-02	2.62E-03	1.55E-03	1.28E-03
1128	564190.1	4191409	1.54E-02	2.48E-03	1.46E-03	1.21E-03
1129	564176.8	4191352	8.78E-03	1.41E-03	8.31E-04	6.89E-04
1130	564174.6	4191342	7.92E-03	1.27E-03	7.49E-04	6.21E-04
1131	564289.1	4191495	2.38E-02	3.83E-03	2.26E-03	1.87E-03
1132	564299	4191496	2.36E-02	3.78E-03	2.23E-03	1.85E-03
1133	564308.8	4191498	2.31E-02	3.71E-03	2.19E-03	1.82E-03
1134	564318.7	4191499	2.26E-02	3.62E-03	2.14E-03	1.77E-03
1135	564262.9	4191489	2.37E-02	3.81E-03	2.25E-03	1.86E-03
1136	564254.6	4191484	2.41E-02	3.86E-03	2.28E-03	1.89E-03
1137	564246.4	4191479	2.41E-02	3.86E-03	2.28E-03	1.89E-03
1138	564238.1	4191474	2.37E-02	3.80E-03	2.24E-03	1.86E-03

1139	564229.9	4191469	2.29E-02	3.68E-03	2.17E-03	1.80E-03
1140	564221.6	4191464	2.18E-02	3.50E-03	2.07E-03	1.71E-03
1141	564213.4	4191459	2.05E-02	3.29E-03	1.94E-03	1.61E-03
1142	564205.2	4191454	1.90E-02	3.04E-03	1.80E-03	1.49E-03
1143	564173.4	4191378	1.03E-02	1.65E-03	9.73E-04	8.07E-04
1144	564171.2	4191369	9.33E-03	1.50E-03	8.83E-04	7.32E-04
1145	564169.1	4191359	8.44E-03	1.35E-03	7.99E-04	6.62E-04
1146	564166.9	4191350	7.63E-03	1.22E-03	7.23E-04	5.99E-04
1147	564164.7	4191340	6.94E-03	1.11E-03	6.57E-04	5.44E-04
1148	564287.6	4191504	2.12E-02	3.40E-03	2.01E-03	1.66E-03
1149	564297.4	4191506	2.09E-02	3.36E-03	1.98E-03	1.64E-03
1150	564307.3	4191508	2.06E-02	3.30E-03	1.95E-03	1.61E-03
1151	564317.2	4191509	2.01E-02	3.22E-03	1.90E-03	1.58E-03
1152	564261.7	4191499	2.12E-02	3.41E-03	2.01E-03	1.67E-03
1153	564253.6	4191494	2.16E-02	3.47E-03	2.05E-03	1.70E-03
1154	564245.5	4191490	2.18E-02	3.49E-03	2.06E-03	1.71E-03
1155	564237.4	4191485	2.16E-02	3.46E-03	2.04E-03	1.69E-03
1156	564229.3	4191480	2.11E-02	3.39E-03	2.00E-03	1.66E-03
1157	564221.1	4191475	2.04E-02	3.27E-03	1.93E-03	1.60E-03
1158	564213	4191470	1.94E-02	3.11E-03	1.84E-03	1.52E-03
1159	564204.9	4191465	1.82E-02	2.92E-03	1.72E-03	1.43E-03
1160	564196.8	4191460	1.69E-02	2.72E-03	1.60E-03	1.33E-03
1161	564188.7	4191455	1.56E-02	2.50E-03	1.48E-03	1.22E-03
1162	564172	4191413	1.21E-02	1.95E-03	1.15E-03	9.52E-04
1163	564169.8	4191403	1.14E-02	1.83E-03	1.08E-03	8.93E-04
1164	564167.7	4191394	1.06E-02	1.69E-03	1.00E-03	8.29E-04
1165	564165.5	4191385	9.72E-03	1.56E-03	9.20E-04	7.62E-04
1166	564163.4	4191376	8.88E-03	1.42E-03	8.40E-04	6.96E-04
1167	564161.2	4191366	8.09E-03	1.30E-03	7.66E-04	6.35E-04
1168	564159.1	4191357	7.36E-03	1.18E-03	6.96E-04	5.77E-04
1169	564157	4191348	6.70E-03	1.08E-03	6.35E-04	5.26E-04
1170	564154.8	4191338	6.13E-03	9.83E-04	5.80E-04	4.81E-04
1171	564286.1	4191514	1.90E-02	3.04E-03	1.79E-03	1.49E-03
1172	564295.9	4191516	1.87E-02	3.00E-03	1.77E-03	1.47E-03
1173	564305.8	4191517	1.84E-02	2.95E-03	1.74E-03	1.44E-03
1174	564315.6	4191519	1.80E-02	2.89E-03	1.70E-03	1.41E-03
1175	564260.5	4191510	1.91E-02	3.06E-03	1.81E-03	1.50E-03
1176	564252.5	4191505	1.95E-02	3.13E-03	1.85E-03	1.53E-03
1177	564244.5	4191500	1.97E-02	3.16E-03	1.87E-03	1.55E-03
1178	564236.5	4191495	1.97E-02	3.16E-03	1.86E-03	1.55E-03
1179	564228.5	4191490	1.95E-02	3.12E-03	1.84E-03	1.53E-03
1180	564220.5	4191485	1.90E-02	3.04E-03	1.80E-03	1.49E-03
1181	564212.5	4191480	1.83E-02	2.93E-03	1.73E-03	1.43E-03
1182	564204.5	4191475	1.74E-02	2.79E-03	1.64E-03	1.36E-03
1183	564196.5	4191470	1.63E-02	2.62E-03	1.55E-03	1.28E-03
1184	564188.5	4191465	1.52E-02	2.44E-03	1.44E-03	1.20E-03
1185	564168.2	4191437	1.22E-02	1.96E-03	1.16E-03	9.58E-04
1186	564166.1	4191428	1.17E-02	1.88E-03	1.11E-03	9.20E-04
1187	564164	4191419	1.12E-02	1.79E-03	1.06E-03	8.76E-04
1188	564161.9	4191410	1.05E-02	1.69E-03	9.98E-04	8.27E-04
1189	564159.7	4191401	9.87E-03	1.58E-03	9.34E-04	7.74E-04
1190	564157.6	4191392	9.16E-03	1.47E-03	8.67E-04	7.18E-04

1191	564155.5	4191382	8.44E-03	1.35E-03	7.99E-04	6.62E-04
1192	564153.4	4191373	7.74E-03	1.24E-03	7.33E-04	6.07E-04
1193	564151.3	4191364	7.08E-03	1.14E-03	6.71E-04	5.56E-04
1194	564149.2	4191355	6.48E-03	1.04E-03	6.13E-04	5.08E-04
1195	564147	4191346	5.93E-03	9.52E-04	5.62E-04	4.66E-04
1196	564144.9	4191337	5.45E-03	8.75E-04	5.16E-04	4.28E-04
1197	564284.6	4191524	1.71E-02	2.74E-03	1.62E-03	1.34E-03
1198	564294.4	4191526	1.69E-02	2.70E-03	1.60E-03	1.32E-03
1199	564304.3	4191527	1.66E-02	2.66E-03	1.57E-03	1.30E-03
1200	564314.1	4191529	1.62E-02	2.60E-03	1.54E-03	1.27E-03
1201	564257.6	4191519	1.73E-02	2.78E-03	1.64E-03	1.36E-03
1202	564249.1	4191513	1.77E-02	2.85E-03	1.68E-03	1.39E-03
1203	564240.6	4191508	1.80E-02	2.88E-03	1.70E-03	1.41E-03
1204	564232.2	4191503	1.80E-02	2.88E-03	1.70E-03	1.41E-03
1205	564223.7	4191498	1.78E-02	2.85E-03	1.68E-03	1.39E-03
1206	564215.2	4191493	1.73E-02	2.78E-03	1.64E-03	1.36E-03
1207	564206.7	4191487	1.67E-02	2.68E-03	1.58E-03	1.31E-03
1208	564198.2	4191482	1.59E-02	2.55E-03	1.51E-03	1.25E-03
1209	564189.8	4191477	1.50E-02	2.40E-03	1.42E-03	1.17E-03
1210	564181.3	4191472	1.39E-02	2.24E-03	1.32E-03	1.09E-03
1211	564162.1	4191452	1.15E-02	1.85E-03	1.09E-03	9.03E-04
1212	564159.8	4191442	1.11E-02	1.79E-03	1.05E-03	8.74E-04
1213	564157.6	4191432	1.07E-02	1.71E-03	1.01E-03	8.39E-04
1214	564155.4	4191423	1.02E-02	1.63E-03	9.63E-04	7.98E-04
1215	564153.1	4191413	9.58E-03	1.54E-03	9.07E-04	7.52E-04
1216	564150.9	4191403	8.96E-03	1.44E-03	8.48E-04	7.03E-04
1217	564148.6	4191394	8.31E-03	1.33E-03	7.87E-04	6.52E-04
1218	564146.4	4191384	7.66E-03	1.23E-03	7.25E-04	6.01E-04
1219	564144.2	4191374	7.02E-03	1.13E-03	6.64E-04	5.50E-04
1220	564141.9	4191365	6.41E-03	1.03E-03	6.06E-04	5.03E-04
1221	564139.7	4191355	5.84E-03	9.38E-04	5.53E-04	4.59E-04
1222	564137.4	4191345	5.34E-03	8.57E-04	5.06E-04	4.19E-04
1223	564135.2	4191336	4.91E-03	7.87E-04	4.65E-04	3.85E-04
1224	564283	4191534	1.54E-02	2.48E-03	1.46E-03	1.21E-03
1225	564292.9	4191536	1.52E-02	2.45E-03	1.44E-03	1.20E-03
1226	564302.7	4191537	1.50E-02	2.40E-03	1.42E-03	1.18E-03
1227	564312.6	4191539	1.47E-02	2.36E-03	1.39E-03	1.15E-03
1228	564256.5	4191529	1.57E-02	2.52E-03	1.49E-03	1.23E-03
1229	564248.1	4191524	1.61E-02	2.59E-03	1.53E-03	1.26E-03
1230	564239.8	4191518	1.64E-02	2.63E-03	1.55E-03	1.29E-03
1231	564231.4	4191513	1.65E-02	2.64E-03	1.56E-03	1.29E-03
1232	564223	4191508	1.64E-02	2.63E-03	1.55E-03	1.29E-03
1233	564214.7	4191503	1.62E-02	2.59E-03	1.53E-03	1.27E-03
1234	564206.3	4191498	1.57E-02	2.52E-03	1.49E-03	1.23E-03
1235	564198	4191493	1.51E-02	2.43E-03	1.43E-03	1.19E-03
1236	564189.6	4191488	1.44E-02	2.31E-03	1.36E-03	1.13E-03
1237	564181.3	4191483	1.35E-02	2.17E-03	1.28E-03	1.06E-03
1238	564164.6	4191472	1.17E-02	1.88E-03	1.11E-03	9.21E-04
1239	564154	4191458	1.06E-02	1.70E-03	1.00E-03	8.29E-04
1240	564151.8	4191448	1.03E-02	1.65E-03	9.71E-04	8.05E-04
1241	564149.6	4191439	9.88E-03	1.59E-03	9.35E-04	7.75E-04
1242	564147.4	4191429	9.44E-03	1.51E-03	8.94E-04	7.41E-04

1243	564145.2	4191420	8.95E-03	1.44E-03	8.47E-04	7.02E-04
1244	564143	4191410	8.41E-03	1.35E-03	7.96E-04	6.60E-04
1245	564140.8	4191400	7.86E-03	1.26E-03	7.44E-04	6.17E-04
1246	564138.5	4191391	7.30E-03	1.17E-03	6.91E-04	5.72E-04
1247	564136.3	4191381	6.73E-03	1.08E-03	6.37E-04	5.28E-04
1248	564134.1	4191372	6.18E-03	9.92E-04	5.85E-04	4.85E-04
1249	564131.9	4191362	5.67E-03	9.09E-04	5.36E-04	4.45E-04
1250	564129.7	4191353	5.20E-03	8.34E-04	4.92E-04	4.08E-04
1251	564127.5	4191343	4.78E-03	7.67E-04	4.52E-04	3.75E-04
1252	564125.3	4191334	4.42E-03	7.09E-04	4.18E-04	3.47E-04
1253	564281.5	4191544	1.40E-02	2.25E-03	1.33E-03	1.10E-03
1254	564291.4	4191546	1.39E-02	2.22E-03	1.31E-03	1.09E-03
1255	564301.2	4191547	1.36E-02	2.19E-03	1.29E-03	1.07E-03
1256	564311.1	4191549	1.34E-02	2.15E-03	1.27E-03	1.05E-03
1257	564255.3	4191539	1.43E-02	2.30E-03	1.36E-03	1.12E-03
1258	564247	4191534	1.47E-02	2.36E-03	1.39E-03	1.15E-03
1259	564238.8	4191529	1.50E-02	2.40E-03	1.42E-03	1.17E-03
1260	564230.5	4191524	1.51E-02	2.43E-03	1.43E-03	1.19E-03
1261	564222.3	4191519	1.52E-02	2.43E-03	1.43E-03	1.19E-03
1262	564214.1	4191514	1.50E-02	2.41E-03	1.42E-03	1.18E-03
1263	564205.8	4191508	1.47E-02	2.36E-03	1.39E-03	1.16E-03
1264	564197.6	4191503	1.43E-02	2.29E-03	1.35E-03	1.12E-03
1265	564189.3	4191498	1.37E-02	2.20E-03	1.30E-03	1.08E-03
1266	564181.1	4191493	1.31E-02	2.10E-03	1.24E-03	1.03E-03
1267	564164.6	4191483	1.15E-02	1.85E-03	1.09E-03	9.06E-04
1268	564156.3	4191478	1.07E-02	1.72E-03	1.02E-03	8.43E-04
1269	564145.9	4191464	9.73E-03	1.56E-03	9.22E-04	7.64E-04
1270	564143.7	4191454	9.47E-03	1.52E-03	8.96E-04	7.43E-04
1271	564141.6	4191445	9.15E-03	1.47E-03	8.66E-04	7.18E-04
1272	564139.4	4191435	8.79E-03	1.41E-03	8.32E-04	6.89E-04
1273	564137.2	4191426	8.37E-03	1.34E-03	7.92E-04	6.56E-04
1274	564135	4191417	7.91E-03	1.27E-03	7.49E-04	6.21E-04
1275	564132.8	4191407	7.44E-03	1.19E-03	7.04E-04	5.84E-04
1276	564130.7	4191398	6.95E-03	1.11E-03	6.58E-04	5.45E-04
1277	564128.5	4191388	6.45E-03	1.03E-03	6.11E-04	5.06E-04
1278	564126.3	4191379	5.96E-03	9.55E-04	5.64E-04	4.67E-04
1279	564124.1	4191370	5.49E-03	8.80E-04	5.19E-04	4.30E-04
1280	564122	4191360	5.05E-03	8.10E-04	4.78E-04	3.96E-04
1281	564119.8	4191351	4.65E-03	7.47E-04	4.41E-04	3.65E-04
1282	564117.6	4191341	4.30E-03	6.90E-04	4.07E-04	3.38E-04
1283	564115.4	4191332	4.00E-03	6.42E-04	3.79E-04	3.14E-04
1284	564245.9	4191544	1.34E-02	2.16E-03	1.27E-03	1.06E-03
1285	564237.8	4191539	1.37E-02	2.20E-03	1.30E-03	1.08E-03
1286	564229.6	4191534	1.39E-02	2.23E-03	1.32E-03	1.09E-03
1287	564221.5	4191529	1.40E-02	2.25E-03	1.32E-03	1.10E-03
1288	564213.3	4191524	1.39E-02	2.24E-03	1.32E-03	1.09E-03
1289	564205.2	4191519	1.38E-02	2.21E-03	1.30E-03	1.08E-03
1290	564197	4191514	1.35E-02	2.16E-03	1.27E-03	1.06E-03
1291	564188.9	4191509	1.31E-02	2.09E-03	1.24E-03	1.02E-03
1292	564180.7	4191504	1.25E-02	2.01E-03	1.19E-03	9.83E-04
1293	564164.4	4191494	1.13E-02	1.81E-03	1.07E-03	8.85E-04
1294	564156.3	4191489	1.06E-02	1.70E-03	1.00E-03	8.30E-04

1295	564148.1	4191484	9.88E-03	1.58E-03	9.35E-04	7.75E-04
1296	564137.8	4191470	8.99E-03	1.44E-03	8.51E-04	7.06E-04
1297	564135.7	4191460	8.76E-03	1.41E-03	8.30E-04	6.87E-04
1298	564133.5	4191451	8.49E-03	1.36E-03	8.04E-04	6.66E-04
1299	564131.4	4191442	8.18E-03	1.31E-03	7.74E-04	6.42E-04
1300	564129.2	4191432	7.83E-03	1.26E-03	7.41E-04	6.14E-04
1301	564127.1	4191423	7.45E-03	1.19E-03	7.05E-04	5.84E-04
1302	564124.9	4191414	7.04E-03	1.13E-03	6.67E-04	5.52E-04
1303	564122.8	4191405	6.62E-03	1.06E-03	6.27E-04	5.19E-04
1304	564120.6	4191395	6.18E-03	9.91E-04	5.85E-04	4.85E-04
1305	564118.5	4191386	5.74E-03	9.20E-04	5.43E-04	4.50E-04
1306	564116.3	4191377	5.30E-03	8.51E-04	5.02E-04	4.16E-04
1307	564114.1	4191367	4.90E-03	7.86E-04	4.64E-04	3.85E-04
1308	564112	4191358	4.53E-03	7.27E-04	4.29E-04	3.55E-04
1309	564109.8	4191349	4.19E-03	6.73E-04	3.97E-04	3.29E-04
1310	564107.7	4191339	3.90E-03	6.25E-04	3.69E-04	3.06E-04
1311	564105.5	4191330	3.64E-03	5.84E-04	3.45E-04	2.86E-04
1312	564278.5	4191564	1.17E-02	1.88E-03	1.11E-03	9.19E-04
1313	564268.9	4191569	1.12E-02	1.80E-03	1.06E-03	8.78E-04
1314	564260.8	4191564	1.16E-02	1.86E-03	1.10E-03	9.10E-04
1315	564252.8	4191559	1.20E-02	1.92E-03	1.14E-03	9.41E-04
1316	564220.5	4191539	1.29E-02	2.08E-03	1.23E-03	1.02E-03
1317	564212.5	4191534	1.30E-02	2.08E-03	1.23E-03	1.02E-03
1318	564204.4	4191529	1.29E-02	2.06E-03	1.22E-03	1.01E-03
1319	564196.4	4191524	1.27E-02	2.03E-03	1.20E-03	9.93E-04
1320	564188.3	4191519	1.24E-02	1.98E-03	1.17E-03	9.69E-04
1321	564180.2	4191514	1.20E-02	1.92E-03	1.13E-03	9.38E-04
1322	564156.1	4191500	1.04E-02	1.66E-03	9.80E-04	8.12E-04
1323	564148	4191495	9.74E-03	1.56E-03	9.22E-04	7.64E-04
1324	564139.9	4191490	9.12E-03	1.46E-03	8.63E-04	7.15E-04
1325	564129.7	4191476	8.34E-03	1.34E-03	7.90E-04	6.55E-04
1326	564127.6	4191466	8.13E-03	1.30E-03	7.70E-04	6.38E-04
1327	564125.5	4191457	7.90E-03	1.27E-03	7.48E-04	6.20E-04
1328	564123.4	4191448	7.63E-03	1.22E-03	7.22E-04	5.99E-04
1329	564121.2	4191439	7.33E-03	1.18E-03	6.94E-04	5.75E-04
1330	564119.1	4191430	7.01E-03	1.12E-03	6.63E-04	5.50E-04
1331	564117	4191420	6.66E-03	1.07E-03	6.31E-04	5.23E-04
1332	564114.8	4191411	6.30E-03	1.01E-03	5.96E-04	4.94E-04
1333	564112.7	4191402	5.92E-03	9.49E-04	5.60E-04	4.64E-04
1334	564110.6	4191393	5.52E-03	8.86E-04	5.23E-04	4.33E-04
1335	564108.4	4191384	5.13E-03	8.24E-04	4.86E-04	4.03E-04
1336	564106.3	4191374	4.76E-03	7.64E-04	4.51E-04	3.74E-04
1337	564104.2	4191365	4.41E-03	7.08E-04	4.18E-04	3.46E-04
1338	564102	4191356	4.09E-03	6.57E-04	3.87E-04	3.21E-04
1339	564099.9	4191347	3.80E-03	6.09E-04	3.60E-04	2.98E-04
1340	564097.8	4191338	3.55E-03	5.69E-04	3.36E-04	2.78E-04
1341	564095.7	4191328	3.33E-03	5.34E-04	3.15E-04	2.61E-04
1342	564277	4191574	1.08E-02	1.73E-03	1.02E-03	8.45E-04
1343	564286.8	4191575	1.06E-02	1.71E-03	1.01E-03	8.35E-04
1344	564296.7	4191577	1.05E-02	1.68E-03	9.92E-04	8.22E-04
1345	564306.5	4191578	1.03E-02	1.65E-03	9.77E-04	8.09E-04
1346	564267	4191578	1.03E-02	1.66E-03	9.79E-04	8.12E-04

1347	564258.6	4191573	1.07E-02	1.72E-03	1.02E-03	8.42E-04
1348	564250.2	4191568	1.11E-02	1.78E-03	1.05E-03	8.71E-04
1349	564241.7	4191563	1.14E-02	1.83E-03	1.08E-03	8.97E-04
1350	564233.3	4191558	1.17E-02	1.88E-03	1.11E-03	9.18E-04
1351	564191.2	4191532	1.18E-02	1.89E-03	1.11E-03	9.24E-04
1352	564182.8	4191527	1.15E-02	1.84E-03	1.09E-03	9.02E-04
1353	564157.5	4191511	1.02E-02	1.63E-03	9.65E-04	7.99E-04
1354	564149	4191506	9.64E-03	1.55E-03	9.13E-04	7.56E-04
1355	564140.6	4191501	9.07E-03	1.45E-03	8.58E-04	7.11E-04
1356	564132.2	4191496	8.49E-03	1.36E-03	8.04E-04	6.66E-04
1357	564121.5	4191481	7.76E-03	1.24E-03	7.34E-04	6.09E-04
1358	564119.3	4191471	7.56E-03	1.21E-03	7.15E-04	5.93E-04
1359	564117.1	4191462	7.33E-03	1.18E-03	6.94E-04	5.75E-04
1360	564114.9	4191452	7.08E-03	1.14E-03	6.70E-04	5.55E-04
1361	564112.6	4191443	6.80E-03	1.09E-03	6.44E-04	5.34E-04
1362	564110.4	4191433	6.50E-03	1.04E-03	6.16E-04	5.10E-04
1363	564108.2	4191423	6.18E-03	9.92E-04	5.85E-04	4.85E-04
1364	564105.9	4191414	5.84E-03	9.37E-04	5.53E-04	4.58E-04
1365	564103.7	4191404	5.48E-03	8.79E-04	5.19E-04	4.30E-04
1366	564101.5	4191394	5.11E-03	8.20E-04	4.84E-04	4.01E-04
1367	564099.3	4191385	4.75E-03	7.63E-04	4.50E-04	3.73E-04
1368	564097	4191375	4.41E-03	7.07E-04	4.17E-04	3.46E-04
1369	564094.8	4191366	4.08E-03	6.55E-04	3.86E-04	3.20E-04
1370	564092.6	4191356	3.77E-03	6.06E-04	3.57E-04	2.96E-04
1371	564090.3	4191346	3.50E-03	5.61E-04	3.31E-04	2.75E-04
1372	564088.1	4191337	3.26E-03	5.24E-04	3.09E-04	2.56E-04
1373	564085.9	4191327	3.06E-03	4.91E-04	2.90E-04	2.40E-04
1374	564275.4	4191584	9.94E-03	1.60E-03	9.41E-04	7.80E-04
1375	564285.3	4191585	9.81E-03	1.57E-03	9.29E-04	7.70E-04
1376	564295.2	4191587	9.67E-03	1.55E-03	9.15E-04	7.58E-04
1377	564305	4191588	9.53E-03	1.53E-03	9.02E-04	7.47E-04
1378	564265.6	4191588	9.57E-03	1.54E-03	9.06E-04	7.51E-04
1379	564257.3	4191583	9.92E-03	1.59E-03	9.39E-04	7.79E-04
1380	564248.9	4191578	1.03E-02	1.65E-03	9.71E-04	8.05E-04
1381	564240.6	4191573	1.06E-02	1.70E-03	1.00E-03	8.29E-04
1382	564232.3	4191568	1.08E-02	1.74E-03	1.02E-03	8.49E-04
1383	564223.9	4191563	1.10E-02	1.77E-03	1.04E-03	8.65E-04
1384	564215.6	4191558	1.12E-02	1.79E-03	1.06E-03	8.75E-04
1385	564207.3	4191553	1.12E-02	1.80E-03	1.06E-03	8.80E-04
1386	564157.3	4191522	9.87E-03	1.58E-03	9.34E-04	7.74E-04
1387	564149	4191517	9.42E-03	1.51E-03	8.91E-04	7.39E-04
1388	564140.6	4191512	8.92E-03	1.43E-03	8.45E-04	7.00E-04
1389	564132.3	4191507	8.41E-03	1.35E-03	7.96E-04	6.60E-04
1390	564124	4191502	7.90E-03	1.27E-03	7.48E-04	6.20E-04
1391	564113.5	4191487	7.25E-03	1.16E-03	6.86E-04	5.69E-04
1392	564111.2	4191477	7.07E-03	1.13E-03	6.69E-04	5.55E-04
1393	564109	4191468	6.87E-03	1.10E-03	6.50E-04	5.39E-04
1394	564106.8	4191458	6.65E-03	1.07E-03	6.29E-04	5.22E-04
1395	564104.6	4191449	6.41E-03	1.03E-03	6.07E-04	5.03E-04
1396	564102.4	4191439	6.15E-03	9.87E-04	5.82E-04	4.83E-04
1397	564100.2	4191430	5.87E-03	9.42E-04	5.56E-04	4.60E-04
1398	564098	4191420	5.57E-03	8.93E-04	5.27E-04	4.37E-04

1399	564095.8	4191411	5.25E-03	8.43E-04	4.97E-04	4.12E-04
1400	564093.6	4191401	4.93E-03	7.91E-04	4.67E-04	3.87E-04
1401	564091.4	4191392	4.61E-03	7.39E-04	4.36E-04	3.62E-04
1402	564089.2	4191382	4.30E-03	6.89E-04	4.07E-04	3.37E-04
1403	564087	4191373	3.99E-03	6.41E-04	3.78E-04	3.13E-04
1404	564084.8	4191363	3.70E-03	5.94E-04	3.51E-04	2.91E-04
1405	564082.6	4191354	3.44E-03	5.51E-04	3.25E-04	2.70E-04
1406	564080.4	4191344	3.20E-03	5.13E-04	3.03E-04	2.51E-04
1407	564078.2	4191335	3.00E-03	4.81E-04	2.84E-04	2.35E-04
1408	564076	4191325	2.83E-03	4.53E-04	2.67E-04	2.22E-04
1409	564273.9	4191593	9.21E-03	1.48E-03	8.72E-04	7.23E-04
1410	564283.8	4191595	9.09E-03	1.46E-03	8.61E-04	7.13E-04
1411	564293.6	4191596	8.96E-03	1.44E-03	8.48E-04	7.03E-04
1412	564303.5	4191598	8.83E-03	1.42E-03	8.36E-04	6.93E-04
1413	564264.2	4191598	8.88E-03	1.43E-03	8.41E-04	6.97E-04
1414	564255.9	4191593	9.20E-03	1.48E-03	8.71E-04	7.22E-04
1415	564247.7	4191588	9.51E-03	1.53E-03	9.00E-04	7.46E-04
1416	564239.4	4191583	9.79E-03	1.57E-03	9.27E-04	7.68E-04
1417	564231.2	4191578	1.00E-02	1.61E-03	9.50E-04	7.87E-04
1418	564223	4191573	1.02E-02	1.64E-03	9.69E-04	8.03E-04
1419	564214.7	4191568	1.04E-02	1.67E-03	9.83E-04	8.14E-04
1420	564206.5	4191563	1.05E-02	1.68E-03	9.91E-04	8.21E-04
1421	564198.2	4191558	1.05E-02	1.68E-03	9.92E-04	8.22E-04
1422	564190	4191553	1.04E-02	1.67E-03	9.87E-04	8.18E-04
1423	564181.7	4191548	1.03E-02	1.65E-03	9.75E-04	8.08E-04
1424	564148.8	4191528	9.14E-03	1.47E-03	8.66E-04	7.17E-04
1425	564140.5	4191523	8.73E-03	1.40E-03	8.26E-04	6.85E-04
1426	564132.3	4191518	8.28E-03	1.33E-03	7.84E-04	6.50E-04
1427	564124	4191512	7.83E-03	1.26E-03	7.41E-04	6.14E-04
1428	564115.8	4191507	7.37E-03	1.18E-03	6.97E-04	5.78E-04
1429	564105.4	4191493	6.79E-03	1.09E-03	6.42E-04	5.32E-04
1430	564103.2	4191484	6.63E-03	1.06E-03	6.28E-04	5.20E-04
1431	564101	4191474	6.45E-03	1.04E-03	6.11E-04	5.06E-04
1432	564098.8	4191465	6.26E-03	1.00E-03	5.92E-04	4.91E-04
1433	564096.6	4191455	6.05E-03	9.71E-04	5.73E-04	4.75E-04
1434	564094.5	4191446	5.82E-03	9.34E-04	5.51E-04	4.57E-04
1435	564092.3	4191436	5.58E-03	8.95E-04	5.28E-04	4.38E-04
1436	564090.1	4191427	5.31E-03	8.53E-04	5.03E-04	4.17E-04
1437	564087.9	4191418	5.03E-03	8.08E-04	4.76E-04	3.95E-04
1438	564085.7	4191408	4.74E-03	7.61E-04	4.49E-04	3.72E-04
1439	564083.6	4191399	4.46E-03	7.15E-04	4.22E-04	3.50E-04
1440	564081.4	4191389	4.17E-03	6.70E-04	3.95E-04	3.28E-04
1441	564079.2	4191380	3.90E-03	6.25E-04	3.69E-04	3.06E-04
1442	564077	4191371	3.63E-03	5.82E-04	3.44E-04	2.85E-04
1443	564074.8	4191361	3.38E-03	5.42E-04	3.20E-04	2.65E-04
1444	564072.7	4191352	3.15E-03	5.05E-04	2.98E-04	2.47E-04
1445	564070.5	4191342	2.95E-03	4.73E-04	2.79E-04	2.31E-04
1446	564068.3	4191333	2.77E-03	4.44E-04	2.62E-04	2.17E-04
1447	564066.1	4191323	2.62E-03	4.20E-04	2.48E-04	2.05E-04
1448	564272.4	4191603	8.56E-03	1.37E-03	8.11E-04	6.72E-04
1449	564282.3	4191605	8.45E-03	1.36E-03	8.00E-04	6.63E-04
1450	564292.1	4191606	8.33E-03	1.34E-03	7.89E-04	6.54E-04

1451	564302	4191608	8.22E-03	1.32E-03	7.78E-04	6.45E-04
1452	564262.7	4191608	8.27E-03	1.33E-03	7.83E-04	6.49E-04
1453	564254.6	4191603	8.56E-03	1.37E-03	8.10E-04	6.71E-04
1454	564246.4	4191598	8.83E-03	1.42E-03	8.36E-04	6.93E-04
1455	564238.2	4191593	9.10E-03	1.46E-03	8.61E-04	7.14E-04
1456	564230.1	4191588	9.32E-03	1.50E-03	8.83E-04	7.32E-04
1457	564221.9	4191583	9.52E-03	1.53E-03	9.01E-04	7.47E-04
1458	564213.7	4191578	9.67E-03	1.55E-03	9.15E-04	7.59E-04
1459	564205.6	4191573	9.78E-03	1.57E-03	9.25E-04	7.67E-04
1460	564197.4	4191568	9.82E-03	1.58E-03	9.30E-04	7.71E-04
1461	564189.2	4191563	9.81E-03	1.57E-03	9.29E-04	7.69E-04
1462	564181.1	4191558	9.73E-03	1.56E-03	9.21E-04	7.64E-04
1463	564123.9	4191523	7.71E-03	1.24E-03	7.30E-04	6.05E-04
1464	564115.8	4191518	7.30E-03	1.17E-03	6.91E-04	5.73E-04
1465	564107.6	4191513	6.89E-03	1.10E-03	6.52E-04	5.40E-04
1466	564097.3	4191499	6.36E-03	1.02E-03	6.02E-04	4.99E-04
1467	564095.1	4191490	6.23E-03	9.99E-04	5.90E-04	4.89E-04
1468	564093	4191480	6.07E-03	9.74E-04	5.75E-04	4.77E-04
1469	564090.8	4191471	5.90E-03	9.47E-04	5.59E-04	4.63E-04
1470	564088.6	4191462	5.72E-03	9.17E-04	5.41E-04	4.49E-04
1471	564086.5	4191452	5.52E-03	8.85E-04	5.22E-04	4.33E-04
1472	564084.3	4191443	5.31E-03	8.51E-04	5.02E-04	4.16E-04
1473	564082.2	4191434	5.07E-03	8.14E-04	4.80E-04	3.98E-04
1474	564080	4191424	4.82E-03	7.74E-04	4.57E-04	3.79E-04
1475	564077.8	4191415	4.57E-03	7.33E-04	4.32E-04	3.58E-04
1476	564075.7	4191406	4.31E-03	6.91E-04	4.08E-04	3.38E-04
1477	564073.5	4191396	4.05E-03	6.50E-04	3.84E-04	3.18E-04
1478	564071.4	4191387	3.80E-03	6.09E-04	3.59E-04	2.98E-04
1479	564069.2	4191378	3.55E-03	5.69E-04	3.36E-04	2.78E-04
1480	564067	4191368	3.31E-03	5.32E-04	3.14E-04	2.60E-04
1481	564064.9	4191359	3.10E-03	4.97E-04	2.93E-04	2.43E-04
1482	564062.7	4191350	2.90E-03	4.65E-04	2.74E-04	2.27E-04
1483	564060.6	4191340	2.72E-03	4.36E-04	2.58E-04	2.13E-04
1484	564058.4	4191331	2.57E-03	4.12E-04	2.43E-04	2.01E-04
1485	564056.3	4191322	2.43E-03	3.90E-04	2.30E-04	1.91E-04
1486	564270.9	4191613	7.98E-03	1.28E-03	7.55E-04	6.26E-04
1487	564280.7	4191615	7.88E-03	1.26E-03	7.46E-04	6.18E-04
1488	564290.6	4191616	7.77E-03	1.25E-03	7.35E-04	6.09E-04
1489	564300.5	4191618	7.66E-03	1.23E-03	7.25E-04	6.01E-04
1490	564260.9	4191618	7.73E-03	1.24E-03	7.32E-04	6.06E-04
1491	564252.4	4191613	8.00E-03	1.28E-03	7.58E-04	6.28E-04
1492	564243.9	4191608	8.27E-03	1.33E-03	7.83E-04	6.49E-04
1493	564235.5	4191602	8.52E-03	1.37E-03	8.06E-04	6.68E-04
1494	564227	4191597	8.73E-03	1.40E-03	8.27E-04	6.85E-04
1495	564218.5	4191592	8.92E-03	1.43E-03	8.44E-04	7.00E-04
1496	564210	4191587	9.07E-03	1.45E-03	8.58E-04	7.11E-04
1497	564201.5	4191582	9.17E-03	1.47E-03	8.68E-04	7.20E-04
1498	564193.1	4191576	9.22E-03	1.48E-03	8.73E-04	7.23E-04
1499	564184.6	4191571	9.21E-03	1.48E-03	8.72E-04	7.23E-04
1500	564176.1	4191566	9.15E-03	1.47E-03	8.66E-04	7.18E-04
1501	564150.7	4191550	8.59E-03	1.38E-03	8.14E-04	6.74E-04
1502	564099.8	4191519	6.48E-03	1.04E-03	6.13E-04	5.08E-04

1503	564089.1	4191504	5.98E-03	9.59E-04	5.66E-04	4.69E-04
1504	564086.8	4191495	5.85E-03	9.38E-04	5.54E-04	4.59E-04
1505	564084.6	4191485	5.70E-03	9.15E-04	5.40E-04	4.47E-04
1506	564082.3	4191475	5.54E-03	8.89E-04	5.25E-04	4.35E-04
1507	564080.1	4191466	5.37E-03	8.61E-04	5.08E-04	4.21E-04
1508	564077.9	4191456	5.18E-03	8.31E-04	4.90E-04	4.06E-04
1509	564075.6	4191446	4.97E-03	7.98E-04	4.71E-04	3.90E-04
1510	564073.4	4191437	4.76E-03	7.63E-04	4.50E-04	3.73E-04
1511	564071.1	4191427	4.53E-03	7.26E-04	4.28E-04	3.55E-04
1512	564068.9	4191417	4.29E-03	6.87E-04	4.06E-04	3.36E-04
1513	564066.7	4191408	4.04E-03	6.48E-04	3.83E-04	3.17E-04
1514	564064.4	4191398	3.80E-03	6.09E-04	3.59E-04	2.98E-04
1515	564062.2	4191388	3.55E-03	5.70E-04	3.36E-04	2.79E-04
1516	564059.9	4191378	3.32E-03	5.32E-04	3.14E-04	2.60E-04
1517	564057.7	4191369	3.10E-03	4.97E-04	2.93E-04	2.43E-04
1518	564055.4	4191359	2.89E-03	4.64E-04	2.74E-04	2.27E-04
1519	564053.2	4191349	2.71E-03	4.34E-04	2.56E-04	2.12E-04
1520	564051	4191340	2.54E-03	4.08E-04	2.41E-04	1.99E-04
1521	564048.7	4191330	2.39E-03	3.84E-04	2.27E-04	1.88E-04
1522	564046.5	4191320	2.27E-03	3.64E-04	2.15E-04	1.78E-04
1523	564269.4	4191623	7.46E-03	1.20E-03	7.06E-04	5.85E-04
1524	564279.2	4191625	7.36E-03	1.18E-03	6.97E-04	5.78E-04
1525	564289.1	4191626	7.26E-03	1.16E-03	6.87E-04	5.70E-04
1526	564298.9	4191628	7.16E-03	1.15E-03	6.78E-04	5.62E-04
1527	564259.5	4191628	7.23E-03	1.16E-03	6.84E-04	5.67E-04
1528	564251.1	4191623	7.47E-03	1.20E-03	7.08E-04	5.86E-04
1529	564242.7	4191618	7.72E-03	1.24E-03	7.31E-04	6.06E-04
1530	564234.3	4191612	7.95E-03	1.28E-03	7.52E-04	6.24E-04
1531	564225.9	4191607	8.15E-03	1.31E-03	7.72E-04	6.39E-04
1532	564217.5	4191602	8.33E-03	1.34E-03	7.89E-04	6.54E-04
1533	564209.1	4191597	8.48E-03	1.36E-03	8.03E-04	6.65E-04
1534	564200.7	4191592	8.59E-03	1.38E-03	8.13E-04	6.74E-04
1535	564192.3	4191587	8.66E-03	1.39E-03	8.20E-04	6.80E-04
1536	564183.9	4191582	8.68E-03	1.39E-03	8.22E-04	6.81E-04
1537	564175.5	4191576	8.65E-03	1.39E-03	8.19E-04	6.79E-04
1538	564150.3	4191561	8.25E-03	1.32E-03	7.81E-04	6.47E-04
1539	564142	4191556	8.02E-03	1.29E-03	7.59E-04	6.29E-04
1540	564133.6	4191551	7.75E-03	1.24E-03	7.33E-04	6.08E-04
1541	564125.2	4191546	7.45E-03	1.19E-03	7.05E-04	5.84E-04
1542	564081	4191510	5.64E-03	9.04E-04	5.34E-04	4.42E-04
1543	564078.8	4191501	5.52E-03	8.85E-04	5.22E-04	4.33E-04
1544	564076.5	4191491	5.39E-03	8.64E-04	5.10E-04	4.23E-04
1545	564074.3	4191482	5.24E-03	8.41E-04	4.96E-04	4.11E-04
1546	564072.1	4191472	5.09E-03	8.16E-04	4.81E-04	3.99E-04
1547	564069.9	4191462	4.92E-03	7.89E-04	4.65E-04	3.86E-04
1548	564067.7	4191453	4.74E-03	7.60E-04	4.48E-04	3.72E-04
1549	564065.4	4191443	4.55E-03	7.29E-04	4.30E-04	3.57E-04
1550	564063.2	4191434	4.34E-03	6.97E-04	4.11E-04	3.41E-04
1551	564061	4191424	4.13E-03	6.63E-04	3.91E-04	3.24E-04
1552	564058.8	4191414	3.91E-03	6.28E-04	3.71E-04	3.07E-04
1553	564056.6	4191405	3.69E-03	5.93E-04	3.50E-04	2.90E-04
1554	564054.4	4191395	3.47E-03	5.57E-04	3.29E-04	2.72E-04

1555	564052.1	4191386	3.25E-03	5.22E-04	3.08E-04	2.55E-04
1556	564049.9	4191376	3.04E-03	4.88E-04	2.88E-04	2.39E-04
1557	564047.7	4191366	2.85E-03	4.57E-04	2.70E-04	2.23E-04
1558	564045.5	4191357	2.67E-03	4.28E-04	2.53E-04	2.09E-04
1559	564043.3	4191347	2.50E-03	4.01E-04	2.37E-04	1.96E-04
1560	564041	4191338	2.36E-03	3.78E-04	2.23E-04	1.85E-04
1561	564038.8	4191328	2.23E-03	3.57E-04	2.11E-04	1.75E-04
1562	564036.6	4191319	2.11E-03	3.39E-04	2.00E-04	1.66E-04
1563	564267.9	4191633	6.98E-03	1.12E-03	6.61E-04	5.48E-04
1564	564277.7	4191634	6.90E-03	1.11E-03	6.53E-04	5.41E-04
1565	564287.6	4191636	6.80E-03	1.09E-03	6.44E-04	5.34E-04
1566	564297.4	4191638	6.71E-03	1.08E-03	6.35E-04	5.26E-04
1567	564258	4191638	6.77E-03	1.09E-03	6.41E-04	5.32E-04
1568	564249.7	4191633	7.00E-03	1.12E-03	6.62E-04	5.49E-04
1569	564241.4	4191628	7.22E-03	1.16E-03	6.83E-04	5.66E-04
1570	564233.1	4191622	7.43E-03	1.19E-03	7.04E-04	5.83E-04
1571	564224.8	4191617	7.62E-03	1.22E-03	7.22E-04	5.98E-04
1572	564216.4	4191612	7.80E-03	1.25E-03	7.38E-04	6.12E-04
1573	564208.1	4191607	7.94E-03	1.27E-03	7.52E-04	6.23E-04
1574	564199.8	4191602	8.06E-03	1.29E-03	7.63E-04	6.32E-04
1575	564191.5	4191597	8.14E-03	1.31E-03	7.71E-04	6.39E-04
1576	564183.2	4191592	8.18E-03	1.31E-03	7.74E-04	6.42E-04
1577	564174.9	4191587	8.18E-03	1.31E-03	7.74E-04	6.41E-04
1578	564149.9	4191572	7.89E-03	1.27E-03	7.47E-04	6.19E-04
1579	564141.6	4191566	7.71E-03	1.24E-03	7.30E-04	6.05E-04
1580	564133.3	4191561	7.49E-03	1.20E-03	7.09E-04	5.88E-04
1581	564125	4191556	7.24E-03	1.16E-03	6.85E-04	5.68E-04
1582	564116.7	4191551	6.96E-03	1.12E-03	6.59E-04	5.46E-04
1583	564108.3	4191546	6.67E-03	1.07E-03	6.31E-04	5.23E-04
1584	564100	4191541	6.36E-03	1.02E-03	6.02E-04	4.99E-04
1585	564091.7	4191536	6.05E-03	9.70E-04	5.73E-04	4.75E-04
1586	564072.9	4191516	5.32E-03	8.54E-04	5.04E-04	4.18E-04
1587	564070.7	4191507	5.22E-03	8.37E-04	4.94E-04	4.10E-04
1588	564068.5	4191497	5.10E-03	8.18E-04	4.83E-04	4.00E-04
1589	564066.3	4191488	4.97E-03	7.98E-04	4.71E-04	3.90E-04
1590	564064.1	4191478	4.83E-03	7.75E-04	4.57E-04	3.79E-04
1591	564061.9	4191469	4.67E-03	7.50E-04	4.42E-04	3.67E-04
1592	564059.7	4191459	4.51E-03	7.24E-04	4.27E-04	3.54E-04
1593	564057.5	4191450	4.34E-03	6.97E-04	4.11E-04	3.41E-04
1594	564055.3	4191440	4.16E-03	6.68E-04	3.94E-04	3.27E-04
1595	564053.1	4191431	3.98E-03	6.38E-04	3.77E-04	3.12E-04
1596	564050.9	4191421	3.78E-03	6.07E-04	3.58E-04	2.97E-04
1597	564048.7	4191412	3.59E-03	5.75E-04	3.39E-04	2.81E-04
1598	564046.5	4191402	3.38E-03	5.43E-04	3.20E-04	2.65E-04
1599	564044.3	4191393	3.18E-03	5.11E-04	3.01E-04	2.50E-04
1600	564042.1	4191383	2.99E-03	4.79E-04	2.83E-04	2.34E-04
1601	564039.9	4191374	2.80E-03	4.50E-04	2.65E-04	2.20E-04
1602	564037.7	4191364	2.63E-03	4.22E-04	2.49E-04	2.06E-04
1603	564035.5	4191355	2.47E-03	3.96E-04	2.34E-04	1.94E-04
1604	564033.3	4191345	2.32E-03	3.72E-04	2.20E-04	1.82E-04
1605	564031.1	4191336	2.19E-03	3.51E-04	2.07E-04	1.72E-04
1606	564028.9	4191326	2.07E-03	3.33E-04	1.96E-04	1.63E-04

1607	564026.7	4191317	1.98E-03	3.17E-04	1.87E-04	1.55E-04
1608	564266.3	4191643	6.55E-03	1.05E-03	6.21E-04	5.14E-04
1609	564276.2	4191644	6.47E-03	1.04E-03	6.13E-04	5.08E-04
1610	564286	4191646	6.39E-03	1.02E-03	6.05E-04	5.01E-04
1611	564295.9	4191647	6.30E-03	1.01E-03	5.96E-04	4.94E-04
1612	564256.6	4191648	6.36E-03	1.02E-03	6.02E-04	4.99E-04
1613	564248.3	4191643	6.56E-03	1.05E-03	6.21E-04	5.15E-04
1614	564240.1	4191638	6.76E-03	1.08E-03	6.40E-04	5.30E-04
1615	564231.8	4191633	6.96E-03	1.12E-03	6.59E-04	5.46E-04
1616	564223.6	4191628	7.14E-03	1.15E-03	6.76E-04	5.60E-04
1617	564215.4	4191622	7.31E-03	1.17E-03	6.92E-04	5.74E-04
1618	564207.1	4191617	7.45E-03	1.20E-03	7.06E-04	5.85E-04
1619	564198.9	4191612	7.57E-03	1.21E-03	7.17E-04	5.94E-04
1620	564190.6	4191607	7.66E-03	1.23E-03	7.25E-04	6.01E-04
1621	564182.4	4191602	7.71E-03	1.24E-03	7.30E-04	6.05E-04
1622	564174.1	4191597	7.73E-03	1.24E-03	7.32E-04	6.06E-04
1623	564149.4	4191582	7.54E-03	1.21E-03	7.14E-04	5.92E-04
1624	564141.2	4191577	7.40E-03	1.19E-03	7.01E-04	5.81E-04
1625	564132.9	4191572	7.23E-03	1.16E-03	6.85E-04	5.67E-04
1626	564124.7	4191567	7.02E-03	1.13E-03	6.65E-04	5.51E-04
1627	564116.4	4191562	6.79E-03	1.09E-03	6.43E-04	5.33E-04
1628	564108.2	4191557	6.53E-03	1.05E-03	6.18E-04	5.12E-04
1629	564099.9	4191552	6.26E-03	1.00E-03	5.93E-04	4.91E-04
1630	564091.7	4191547	5.98E-03	9.60E-04	5.66E-04	4.69E-04
1631	564083.5	4191542	5.70E-03	9.14E-04	5.39E-04	4.47E-04
1632	564075.2	4191537	5.41E-03	8.67E-04	5.12E-04	4.24E-04
1633	564062.6	4191513	4.94E-03	7.93E-04	4.68E-04	3.88E-04
1634	564060.4	4191503	4.84E-03	7.76E-04	4.58E-04	3.80E-04
1635	564058.3	4191494	4.72E-03	7.58E-04	4.47E-04	3.70E-04
1636	564056.1	4191485	4.59E-03	7.37E-04	4.35E-04	3.60E-04
1637	564053.9	4191475	4.45E-03	7.14E-04	4.22E-04	3.49E-04
1638	564051.7	4191466	4.30E-03	6.91E-04	4.08E-04	3.38E-04
1639	564049.5	4191456	4.16E-03	6.67E-04	3.93E-04	3.26E-04
1640	564047.4	4191447	4.00E-03	6.41E-04	3.78E-04	3.14E-04
1641	564045.2	4191437	3.83E-03	6.15E-04	3.63E-04	3.01E-04
1642	564043	4191428	3.66E-03	5.87E-04	3.46E-04	2.87E-04
1643	564040.8	4191419	3.48E-03	5.58E-04	3.29E-04	2.73E-04
1644	564038.6	4191409	3.29E-03	5.28E-04	3.12E-04	2.58E-04
1645	564036.5	4191400	3.11E-03	4.99E-04	2.94E-04	2.44E-04
1646	564034.3	4191390	2.93E-03	4.70E-04	2.77E-04	2.30E-04
1647	564032.1	4191381	2.76E-03	4.42E-04	2.61E-04	2.16E-04
1648	564029.9	4191372	2.59E-03	4.16E-04	2.45E-04	2.03E-04
1649	564027.7	4191362	2.44E-03	3.91E-04	2.31E-04	1.91E-04
1650	564025.6	4191353	2.29E-03	3.67E-04	2.17E-04	1.80E-04
1651	564023.4	4191343	2.16E-03	3.46E-04	2.04E-04	1.69E-04
1652	564021.2	4191334	2.04E-03	3.28E-04	1.93E-04	1.60E-04
1653	564019	4191324	1.94E-03	3.11E-04	1.84E-04	1.52E-04
1654	564016.8	4191315	1.85E-03	2.97E-04	1.75E-04	1.45E-04
1655	564264.8	4191653	6.17E-03	9.89E-04	5.84E-04	4.84E-04
1656	564274.7	4191654	6.09E-03	9.77E-04	5.77E-04	4.78E-04
1657	564284.5	4191656	6.01E-03	9.64E-04	5.69E-04	4.72E-04
1658	564294.4	4191657	5.93E-03	9.51E-04	5.61E-04	4.65E-04

1659	564238.8	4191648	6.35E-03	1.02E-03	6.01E-04	4.98E-04
1660	564230.6	4191643	6.53E-03	1.05E-03	6.18E-04	5.12E-04
1661	564222.4	4191638	6.70E-03	1.08E-03	6.35E-04	5.26E-04
1662	564214.2	4191633	6.86E-03	1.10E-03	6.50E-04	5.39E-04
1663	564206.1	4191628	7.01E-03	1.12E-03	6.63E-04	5.50E-04
1664	564197.9	4191623	7.12E-03	1.14E-03	6.74E-04	5.59E-04
1665	564189.7	4191618	7.22E-03	1.16E-03	6.83E-04	5.66E-04
1666	564181.5	4191613	7.28E-03	1.17E-03	6.89E-04	5.71E-04
1667	564173.3	4191608	7.31E-03	1.17E-03	6.92E-04	5.74E-04
1668	564148.8	4191593	7.20E-03	1.16E-03	6.82E-04	5.65E-04
1669	564140.6	4191588	7.10E-03	1.14E-03	6.72E-04	5.57E-04
1670	564132.5	4191583	6.96E-03	1.12E-03	6.59E-04	5.46E-04
1671	564124.3	4191578	6.80E-03	1.09E-03	6.43E-04	5.33E-04
1672	564116.1	4191572	6.60E-03	1.06E-03	6.25E-04	5.18E-04
1673	564107.9	4191567	6.38E-03	1.02E-03	6.04E-04	5.01E-04
1674	564099.8	4191562	6.14E-03	9.86E-04	5.82E-04	4.82E-04
1675	564091.6	4191557	5.90E-03	9.46E-04	5.58E-04	4.63E-04
1676	564083.4	4191552	5.64E-03	9.05E-04	5.34E-04	4.42E-04
1677	564075.2	4191547	5.37E-03	8.62E-04	5.09E-04	4.21E-04
1678	564067	4191542	5.11E-03	8.19E-04	4.83E-04	4.01E-04
1679	564052.4	4191509	4.59E-03	7.37E-04	4.35E-04	3.60E-04
1680	564050.2	4191500	4.49E-03	7.20E-04	4.25E-04	3.52E-04
1681	564048.1	4191491	4.37E-03	7.02E-04	4.14E-04	3.43E-04
1682	564045.9	4191481	4.25E-03	6.82E-04	4.02E-04	3.33E-04
1683	564043.7	4191472	4.12E-03	6.61E-04	3.90E-04	3.23E-04
1684	564041.6	4191463	3.98E-03	6.39E-04	3.77E-04	3.12E-04
1685	564039.4	4191453	3.84E-03	6.16E-04	3.63E-04	3.01E-04
1686	564037.2	4191444	3.69E-03	5.92E-04	3.49E-04	2.90E-04
1687	564035.1	4191435	3.53E-03	5.67E-04	3.35E-04	2.77E-04
1688	564032.9	4191425	3.37E-03	5.41E-04	3.19E-04	2.64E-04
1689	564030.8	4191416	3.20E-03	5.14E-04	3.03E-04	2.51E-04
1690	564028.6	4191407	3.03E-03	4.86E-04	2.87E-04	2.38E-04
1691	564026.4	4191397	2.87E-03	4.60E-04	2.71E-04	2.25E-04
1692	564024.3	4191388	2.71E-03	4.34E-04	2.56E-04	2.12E-04
1693	564022.1	4191379	2.55E-03	4.10E-04	2.42E-04	2.00E-04
1694	564019.9	4191369	2.40E-03	3.85E-04	2.27E-04	1.89E-04
1695	564017.8	4191360	2.26E-03	3.63E-04	2.14E-04	1.77E-04
1696	564015.6	4191351	2.13E-03	3.42E-04	2.02E-04	1.67E-04
1697	564013.5	4191341	2.02E-03	3.23E-04	1.91E-04	1.58E-04
1698	564011.3	4191332	1.91E-03	3.07E-04	1.81E-04	1.50E-04
1699	564009.1	4191323	1.82E-03	2.92E-04	1.73E-04	1.43E-04
1700	564007	4191313	1.74E-03	2.80E-04	1.65E-04	1.37E-04
1701	564349.8	4191362	6.29E-01	1.01E-01	5.95E-02	4.93E-02
1702	564352.5	4191346	9.83E-01	1.58E-01	9.30E-02	7.71E-02
1703	564355.3	4191330	1.15E+00	1.85E-01	1.09E-01	9.03E-02
1704	564361	4191356	5.05E-01	8.09E-02	4.78E-02	3.96E-02
1705	564363.7	4191340	8.20E-01	1.32E-01	7.76E-02	6.43E-02
1706	564350.1	4191387	2.15E-01	3.45E-02	2.04E-02	1.69E-02
1707	564370.9	4191358	3.29E-01	5.29E-02	3.12E-02	2.58E-02
1708	564373.6	4191342	5.31E-01	8.52E-02	5.03E-02	4.17E-02
1709	564376.3	4191326	6.73E-01	1.08E-01	6.37E-02	5.28E-02
1710	564367.3	4191387	1.61E-01	2.58E-02	1.52E-02	1.26E-02

1711	564355.9	4191395	1.50E-01	2.40E-02	1.42E-02	1.18E-02
1712	564380.7	4191360	2.28E-01	3.66E-02	2.16E-02	1.79E-02
1713	564383.5	4191344	3.41E-01	5.47E-02	3.23E-02	2.68E-02
1714	564377.2	4191388	1.28E-01	2.06E-02	1.22E-02	1.01E-02
1715	564361.8	4191403	1.10E-01	1.77E-02	1.04E-02	8.66E-03
1716	564347.1	4191407	1.16E-01	1.86E-02	1.10E-02	9.08E-03
1717	564367.6	4191411	8.47E-02	1.36E-02	8.02E-03	6.64E-03
1718	564352.9	4191415	8.92E-02	1.43E-02	8.45E-03	7.00E-03
1719	564373.5	4191419	6.69E-02	1.07E-02	6.34E-03	5.25E-03
1720	564358.8	4191423	7.08E-02	1.14E-02	6.70E-03	5.55E-03
1721	564344	4191426	7.17E-02	1.15E-02	6.79E-03	5.63E-03
1722	564364.6	4191431	5.74E-02	9.20E-03	5.43E-03	4.50E-03
1723	564349.9	4191435	5.86E-02	9.41E-03	5.55E-03	4.60E-03
1724	564370.4	4191439	4.74E-02	7.60E-03	4.48E-03	3.71E-03
1725	564355.7	4191443	4.87E-02	7.82E-03	4.61E-03	3.82E-03
1726	564341	4191446	4.86E-02	7.79E-03	4.60E-03	3.81E-03
1727	564430	4191368	6.48E-02	1.04E-02	6.13E-03	5.08E-03
1728	564432.7	4191352	7.28E-02	1.17E-02	6.89E-03	5.71E-03
1729	564435.5	4191336	9.61E-02	1.54E-02	9.10E-03	7.54E-03
1730	564426.5	4191397	5.10E-02	8.18E-03	4.83E-03	4.00E-03
1731	564361.6	4191451	4.11E-02	6.59E-03	3.89E-03	3.22E-03
1732	564346.8	4191454	4.13E-02	6.62E-03	3.91E-03	3.24E-03
1733	564439.9	4191370	5.39E-02	8.64E-03	5.10E-03	4.23E-03
1734	564442.6	4191354	5.93E-02	9.51E-03	5.61E-03	4.65E-03
1735	564445.3	4191338	7.51E-02	1.21E-02	7.11E-03	5.90E-03
1736	564436.3	4191399	4.38E-02	7.03E-03	4.15E-03	3.44E-03
1737	564428.3	4191411	4.11E-02	6.59E-03	3.89E-03	3.22E-03
1738	564420.3	4191424	3.77E-02	6.04E-03	3.57E-03	2.96E-03
1739	564367.4	4191459	3.50E-02	5.62E-03	3.32E-03	2.75E-03
1740	564449.7	4191371	4.54E-02	7.29E-03	4.30E-03	3.56E-03
1741	564452.5	4191355	4.90E-02	7.86E-03	4.64E-03	3.84E-03
1742	564455.2	4191339	5.98E-02	9.59E-03	5.66E-03	4.69E-03
1743	564446.2	4191400	3.80E-02	6.10E-03	3.60E-03	2.99E-03
1744	564438.1	4191413	3.60E-02	5.78E-03	3.41E-03	2.83E-03
1745	564430.1	4191426	3.34E-02	5.35E-03	3.16E-03	2.62E-03
1746	564422.1	4191439	3.06E-02	4.92E-03	2.90E-03	2.40E-03
1747	564459.6	4191373	3.88E-02	6.22E-03	3.67E-03	3.04E-03
1748	564462.3	4191357	4.12E-02	6.60E-03	3.90E-03	3.23E-03
1749	564465.1	4191341	4.86E-02	7.80E-03	4.60E-03	3.81E-03
1750	564456	4191402	3.34E-02	5.35E-03	3.16E-03	2.62E-03
1751	564448	4191415	3.19E-02	5.11E-03	3.02E-03	2.50E-03
1752	564440	4191428	2.97E-02	4.76E-03	2.81E-03	2.33E-03
1753	564432	4191441	2.75E-02	4.41E-03	2.60E-03	2.15E-03
1754	564423.9	4191453	2.53E-02	4.06E-03	2.40E-03	1.99E-03
1755	564349.6	4191482	2.69E-02	4.31E-03	2.54E-03	2.11E-03
1756	564334.9	4191486	2.64E-02	4.24E-03	2.50E-03	2.07E-03
1757	564469.4	4191375	3.34E-02	5.36E-03	3.16E-03	2.62E-03
1758	564472.2	4191359	3.51E-02	5.62E-03	3.32E-03	2.75E-03
1759	564474.9	4191343	4.03E-02	6.47E-03	3.82E-03	3.16E-03
1760	564465.9	4191404	2.95E-02	4.73E-03	2.79E-03	2.31E-03
1761	564457.9	4191417	2.84E-02	4.55E-03	2.69E-03	2.23E-03
1762	564449.8	4191429	2.66E-02	4.27E-03	2.52E-03	2.09E-03

1763	564441.8	4191442	2.47E-02	3.97E-03	2.34E-03	1.94E-03
1764	564433.8	4191455	2.30E-02	3.69E-03	2.17E-03	1.80E-03
1765	564425.8	4191468	2.13E-02	3.41E-03	2.01E-03	1.67E-03
1766	564355.5	4191490	2.38E-02	3.81E-03	2.25E-03	1.86E-03
1767	564340.8	4191494	2.35E-02	3.77E-03	2.22E-03	1.84E-03
1768	564479.3	4191376	2.91E-02	4.67E-03	2.75E-03	2.28E-03
1769	564482	4191360	3.02E-02	4.85E-03	2.86E-03	2.37E-03
1770	564484.8	4191344	3.40E-02	5.45E-03	3.22E-03	2.66E-03
1771	564475.7	4191405	2.62E-02	4.20E-03	2.48E-03	2.05E-03
1772	564467.7	4191418	2.54E-02	4.07E-03	2.40E-03	1.99E-03
1773	564459.7	4191431	2.39E-02	3.84E-03	2.27E-03	1.88E-03
1774	564451.7	4191444	2.24E-02	3.59E-03	2.12E-03	1.75E-03
1775	564443.7	4191457	2.09E-02	3.35E-03	1.98E-03	1.64E-03
1776	564435.6	4191470	1.95E-02	3.13E-03	1.85E-03	1.53E-03
1777	564361.3	4191498	2.11E-02	3.39E-03	2.00E-03	1.66E-03
1778	564346.6	4191502	2.10E-02	3.37E-03	1.99E-03	1.65E-03
1779	564331.9	4191505	2.06E-02	3.31E-03	1.95E-03	1.62E-03
1780	564489.1	4191378	2.55E-02	4.10E-03	2.42E-03	2.00E-03
1781	564491.9	4191362	2.63E-02	4.22E-03	2.49E-03	2.06E-03
1782	564494.6	4191346	2.90E-02	4.66E-03	2.75E-03	2.28E-03
1783	564484.8	4191408	2.32E-02	3.72E-03	2.19E-03	1.82E-03
1784	564476.2	4191422	2.25E-02	3.62E-03	2.13E-03	1.77E-03
1785	564467.7	4191436	2.12E-02	3.40E-03	2.01E-03	1.66E-03
1786	564459.1	4191449	1.99E-02	3.19E-03	1.88E-03	1.56E-03
1787	564450.6	4191463	1.86E-02	2.99E-03	1.76E-03	1.46E-03
1788	564442	4191477	1.74E-02	2.79E-03	1.64E-03	1.36E-03
1789	564425.6	4191492	1.67E-02	2.67E-03	1.58E-03	1.31E-03
1790	564362.8	4191508	1.89E-02	3.03E-03	1.79E-03	1.48E-03
1791	564347.1	4191511	1.88E-02	3.01E-03	1.78E-03	1.47E-03
1792	564331.3	4191515	1.85E-02	2.96E-03	1.75E-03	1.45E-03
1793	564499	4191380	2.25E-02	3.61E-03	2.13E-03	1.77E-03
1794	564501.7	4191364	2.31E-02	3.71E-03	2.19E-03	1.81E-03
1795	564504.5	4191348	2.51E-02	4.02E-03	2.37E-03	1.97E-03
1796	564494.7	4191410	2.07E-02	3.32E-03	1.96E-03	1.63E-03
1797	564486.2	4191424	2.03E-02	3.26E-03	1.92E-03	1.59E-03
1798	564477.7	4191437	1.92E-02	3.09E-03	1.82E-03	1.51E-03
1799	564469.1	4191451	1.80E-02	2.90E-03	1.71E-03	1.42E-03
1800	564460.6	4191465	1.71E-02	2.74E-03	1.61E-03	1.34E-03
1801	564452.1	4191478	1.59E-02	2.55E-03	1.50E-03	1.25E-03
1802	564431.5	4191501	1.49E-02	2.38E-03	1.41E-03	1.17E-03
1803	564415.8	4191504	1.57E-02	2.52E-03	1.49E-03	1.23E-03
1804	564353.2	4191519	1.69E-02	2.72E-03	1.60E-03	1.33E-03
1805	564337.6	4191523	1.68E-02	2.69E-03	1.59E-03	1.31E-03
1806	564508.9	4191381	2.00E-02	3.21E-03	1.89E-03	1.57E-03
1807	564511.6	4191365	2.03E-02	3.26E-03	1.92E-03	1.59E-03
1808	564514.3	4191349	2.16E-02	3.47E-03	2.05E-03	1.70E-03
1809	564504.6	4191412	1.86E-02	2.99E-03	1.76E-03	1.46E-03
1810	564496.1	4191425	1.84E-02	2.95E-03	1.74E-03	1.44E-03
1811	564487.6	4191439	1.76E-02	2.82E-03	1.66E-03	1.38E-03
1812	564479.1	4191452	1.65E-02	2.65E-03	1.57E-03	1.30E-03
1813	564470.6	4191466	1.56E-02	2.50E-03	1.47E-03	1.22E-03
1814	564462.1	4191480	1.46E-02	2.35E-03	1.38E-03	1.15E-03

1815	564437.4	4191509	1.34E-02	2.15E-03	1.27E-03	1.05E-03
1816	564421.8	4191512	1.41E-02	2.27E-03	1.34E-03	1.11E-03
1817	564359.4	4191527	1.53E-02	2.46E-03	1.45E-03	1.20E-03
1818	564343.8	4191531	1.52E-02	2.45E-03	1.44E-03	1.20E-03
1819	564328.2	4191535	1.50E-02	2.41E-03	1.42E-03	1.18E-03
1820	564518.7	4191383	1.79E-02	2.87E-03	1.70E-03	1.41E-03
1821	564521.4	4191367	1.81E-02	2.90E-03	1.71E-03	1.42E-03
1822	564524.2	4191351	1.90E-02	3.05E-03	1.80E-03	1.49E-03
1823	564514.5	4191413	1.68E-02	2.70E-03	1.60E-03	1.32E-03
1824	564506	4191427	1.67E-02	2.68E-03	1.58E-03	1.31E-03
1825	564497.6	4191440	1.61E-02	2.58E-03	1.52E-03	1.26E-03
1826	564489.1	4191454	1.52E-02	2.44E-03	1.44E-03	1.19E-03
1827	564480.6	4191467	1.43E-02	2.30E-03	1.36E-03	1.12E-03
1828	564472.2	4191481	1.35E-02	2.16E-03	1.28E-03	1.06E-03
1829	564455.2	4191508	1.21E-02	1.94E-03	1.15E-03	9.51E-04
1830	564443.2	4191517	1.21E-02	1.95E-03	1.15E-03	9.52E-04
1831	564427.7	4191521	1.28E-02	2.05E-03	1.21E-03	1.00E-03
1832	564412.1	4191524	1.33E-02	2.13E-03	1.26E-03	1.04E-03
1833	564349.9	4191539	1.39E-02	2.23E-03	1.32E-03	1.09E-03
1834	564334.4	4191543	1.38E-02	2.21E-03	1.30E-03	1.08E-03
1835	564528.6	4191385	1.61E-02	2.58E-03	1.53E-03	1.26E-03
1836	564531.3	4191369	1.62E-02	2.60E-03	1.53E-03	1.27E-03
1837	564534	4191353	1.68E-02	2.70E-03	1.59E-03	1.32E-03
1838	564524.4	4191415	1.53E-02	2.46E-03	1.45E-03	1.20E-03
1839	564515.9	4191428	1.52E-02	2.45E-03	1.44E-03	1.20E-03
1840	564507.5	4191442	1.47E-02	2.37E-03	1.40E-03	1.16E-03
1841	564499.1	4191455	1.40E-02	2.25E-03	1.33E-03	1.10E-03
1842	564490.6	4191469	1.32E-02	2.12E-03	1.25E-03	1.04E-03
1843	564482.2	4191482	1.25E-02	2.00E-03	1.18E-03	9.79E-04
1844	564465.3	4191509	1.13E-02	1.81E-03	1.07E-03	8.86E-04
1845	564449.1	4191525	1.10E-02	1.77E-03	1.04E-03	8.66E-04
1846	564433.6	4191529	1.16E-02	1.86E-03	1.10E-03	9.10E-04
1847	564418.1	4191532	1.21E-02	1.94E-03	1.14E-03	9.48E-04
1848	564356.1	4191547	1.27E-02	2.05E-03	1.21E-03	1.00E-03
1849	564340.6	4191551	1.27E-02	2.03E-03	1.20E-03	9.94E-04
1850	564325.1	4191555	1.25E-02	2.00E-03	1.18E-03	9.79E-04
1851	564538.4	4191387	1.46E-02	2.34E-03	1.38E-03	1.14E-03
1852	564541.2	4191371	1.46E-02	2.34E-03	1.38E-03	1.14E-03
1853	564543.9	4191355	1.50E-02	2.41E-03	1.42E-03	1.18E-03
1854	564534.3	4191416	1.40E-02	2.24E-03	1.32E-03	1.09E-03
1855	564525.9	4191430	1.40E-02	2.24E-03	1.32E-03	1.10E-03
1856	564517.4	4191443	1.36E-02	2.18E-03	1.28E-03	1.06E-03
1857	564509	4191457	1.29E-02	2.08E-03	1.22E-03	1.02E-03
1858	564500.6	4191470	1.22E-02	1.96E-03	1.16E-03	9.60E-04
1859	564492.2	4191484	1.16E-02	1.86E-03	1.09E-03	9.07E-04
1860	564475.3	4191511	1.05E-02	1.69E-03	9.97E-04	8.26E-04
1861	564466.9	4191524	1.01E-02	1.61E-03	9.52E-04	7.89E-04
1862	564455	4191533	1.01E-02	1.62E-03	9.54E-04	7.91E-04
1863	564439.5	4191537	1.06E-02	1.70E-03	1.00E-03	8.30E-04
1864	564424	4191540	1.10E-02	1.77E-03	1.04E-03	8.65E-04
1865	564408.6	4191544	1.13E-02	1.82E-03	1.07E-03	8.89E-04
1866	564346.7	4191559	1.17E-02	1.87E-03	1.10E-03	9.15E-04

1867	564548.3	4191388	1.32E-02	2.12E-03	1.25E-03	1.04E-03
1868	564551	4191372	1.32E-02	2.12E-03	1.25E-03	1.04E-03
1869	564553.8	4191356	1.35E-02	2.17E-03	1.28E-03	1.06E-03
1870	564544.2	4191418	1.28E-02	2.05E-03	1.21E-03	1.00E-03
1871	564535.8	4191432	1.28E-02	2.06E-03	1.21E-03	1.01E-03
1872	564527.4	4191445	1.25E-02	2.01E-03	1.19E-03	9.82E-04
1873	564519	4191458	1.20E-02	1.92E-03	1.13E-03	9.41E-04
1874	564510.5	4191472	1.14E-02	1.82E-03	1.08E-03	8.92E-04
1875	564502.1	4191485	1.07E-02	1.72E-03	1.02E-03	8.43E-04
1876	564485.3	4191512	9.83E-03	1.58E-03	9.30E-04	7.71E-04
1877	564476.9	4191526	9.42E-03	1.51E-03	8.92E-04	7.39E-04
1878	564460.8	4191541	9.25E-03	1.48E-03	8.75E-04	7.25E-04
1879	564445.4	4191545	9.69E-03	1.55E-03	9.17E-04	7.60E-04
1880	564430	4191549	1.01E-02	1.62E-03	9.56E-04	7.92E-04
1881	564414.5	4191552	1.04E-02	1.67E-03	9.84E-04	8.15E-04
1882	564322	4191574	1.05E-02	1.69E-03	9.98E-04	8.27E-04
1883	564545.7	4191433	1.18E-02	1.89E-03	1.12E-03	9.26E-04
1884	564537.3	4191447	1.16E-02	1.86E-03	1.10E-03	9.09E-04
1885	564528.9	4191460	1.11E-02	1.79E-03	1.05E-03	8.74E-04
1886	564520.5	4191473	1.06E-02	1.70E-03	1.00E-03	8.31E-04
1887	564512.1	4191487	1.00E-02	1.61E-03	9.50E-04	7.87E-04
1888	564495.3	4191514	9.18E-03	1.47E-03	8.69E-04	7.20E-04
1889	564487	4191527	8.83E-03	1.42E-03	8.36E-04	6.93E-04
1890	564478.6	4191541	8.48E-03	1.36E-03	8.03E-04	6.65E-04
1891	564466.7	4191549	8.51E-03	1.36E-03	8.05E-04	6.67E-04
1892	564451.3	4191553	8.91E-03	1.43E-03	8.43E-04	6.99E-04
1893	564435.9	4191557	9.26E-03	1.49E-03	8.76E-04	7.26E-04
1894	564420.5	4191560	9.55E-03	1.53E-03	9.04E-04	7.50E-04
1895	564343.5	4191579	9.92E-03	1.59E-03	9.39E-04	7.78E-04
1896	564328.1	4191583	9.81E-03	1.57E-03	9.29E-04	7.70E-04
1897	564538.8	4191462	1.04E-02	1.66E-03	9.81E-04	8.13E-04
1898	564530.4	4191475	9.89E-03	1.59E-03	9.36E-04	7.76E-04
1899	564522.1	4191488	9.40E-03	1.51E-03	8.90E-04	7.37E-04
1900	564505.3	4191515	8.60E-03	1.38E-03	8.14E-04	6.75E-04
1901	564497	4191529	8.29E-03	1.33E-03	7.85E-04	6.50E-04
1902	564488.6	4191542	7.98E-03	1.28E-03	7.56E-04	6.26E-04
1903	564472.5	4191557	7.85E-03	1.26E-03	7.43E-04	6.16E-04
1904	564457.2	4191561	8.21E-03	1.32E-03	7.78E-04	6.44E-04
1905	564441.8	4191565	8.53E-03	1.37E-03	8.08E-04	6.69E-04
1906	564426.4	4191568	8.81E-03	1.41E-03	8.34E-04	6.91E-04
1907	564411.1	4191572	9.01E-03	1.45E-03	8.53E-04	7.07E-04
1908	564349.6	4191587	9.22E-03	1.48E-03	8.73E-04	7.24E-04
1909	564334.2	4191591	9.15E-03	1.47E-03	8.66E-04	7.18E-04
1910	564318.9	4191594	9.02E-03	1.45E-03	8.54E-04	7.07E-04
1911	564580.6	4191377	1.01E-02	1.61E-03	9.53E-04	7.90E-04
1912	564583.3	4191361	1.02E-02	1.64E-03	9.66E-04	8.01E-04
1913	564515.3	4191517	8.09E-03	1.30E-03	7.66E-04	6.35E-04
1914	564507	4191530	7.79E-03	1.25E-03	7.38E-04	6.11E-04
1915	564498.6	4191544	7.52E-03	1.21E-03	7.12E-04	5.90E-04
1916	564490.2	4191557	7.24E-03	1.16E-03	6.86E-04	5.68E-04
1917	564478.4	4191565	7.27E-03	1.17E-03	6.88E-04	5.70E-04
1918	564463.1	4191569	7.60E-03	1.22E-03	7.19E-04	5.96E-04

1919	564447.7	4191573	7.89E-03	1.27E-03	7.47E-04	6.19E-04
1920	564432.4	4191577	8.14E-03	1.31E-03	7.70E-04	6.38E-04
1921	564417	4191580	8.34E-03	1.34E-03	7.90E-04	6.54E-04
1922	564355.7	4191595	8.59E-03	1.38E-03	8.13E-04	6.74E-04
1923	564340.3	4191599	8.54E-03	1.37E-03	8.09E-04	6.70E-04
1924	564325	4191602	8.45E-03	1.36E-03	8.00E-04	6.63E-04
1925	564590.4	4191379	9.26E-03	1.48E-03	8.76E-04	7.26E-04
1926	564593.2	4191363	9.37E-03	1.50E-03	8.87E-04	7.35E-04
1927	564516.9	4191532	7.35E-03	1.18E-03	6.95E-04	5.76E-04
1928	564508.6	4191545	7.09E-03	1.14E-03	6.71E-04	5.56E-04
1929	564500.3	4191558	6.85E-03	1.10E-03	6.48E-04	5.37E-04
1930	564484.3	4191574	6.75E-03	1.08E-03	6.39E-04	5.30E-04
1931	564468.9	4191577	7.05E-03	1.13E-03	6.67E-04	5.53E-04
1932	564453.6	4191581	7.31E-03	1.17E-03	6.92E-04	5.74E-04
1933	564407.7	4191592	7.87E-03	1.26E-03	7.45E-04	6.18E-04
1934	564346.4	4191607	7.99E-03	1.28E-03	7.56E-04	6.27E-04
1935	564331.1	4191610	7.92E-03	1.27E-03	7.50E-04	6.21E-04
1936	564315.8	4191614	7.81E-03	1.25E-03	7.39E-04	6.13E-04
1937	564603	4191365	8.61E-03	1.38E-03	8.15E-04	6.76E-04
1938	564526.9	4191533	6.93E-03	1.11E-03	6.56E-04	5.44E-04
1939	564518.6	4191546	6.70E-03	1.07E-03	6.34E-04	5.25E-04
1940	564510.3	4191560	6.48E-03	1.04E-03	6.13E-04	5.08E-04
1941	564501.9	4191573	6.26E-03	1.00E-03	5.92E-04	4.91E-04
1942	564490.1	4191582	6.28E-03	1.01E-03	5.95E-04	4.93E-04
1943	564474.8	4191585	6.55E-03	1.05E-03	6.20E-04	5.14E-04
1944	564428.9	4191596	7.20E-03	1.15E-03	6.81E-04	5.65E-04
1945	564413.6	4191600	7.33E-03	1.18E-03	6.94E-04	5.75E-04
1946	564352.5	4191615	7.48E-03	1.20E-03	7.08E-04	5.87E-04
1947	564337.2	4191618	7.43E-03	1.19E-03	7.04E-04	5.83E-04
1948	564321.9	4191622	7.35E-03	1.18E-03	6.96E-04	5.77E-04
1949	564528.6	4191548	6.33E-03	1.01E-03	5.99E-04	4.96E-04
1950	564520.2	4191561	6.13E-03	9.83E-04	5.80E-04	4.81E-04
1951	564511.9	4191575	5.94E-03	9.53E-04	5.62E-04	4.66E-04
1952	564496	4191590	5.86E-03	9.41E-04	5.55E-04	4.60E-04
1953	564450.2	4191601	6.54E-03	1.05E-03	6.19E-04	5.13E-04
1954	564434.9	4191604	6.71E-03	1.08E-03	6.35E-04	5.26E-04
1955	564419.6	4191608	6.84E-03	1.10E-03	6.48E-04	5.37E-04
1956	564404.3	4191612	6.93E-03	1.11E-03	6.56E-04	5.44E-04
1957	564343.2	4191626	6.99E-03	1.12E-03	6.61E-04	5.48E-04
1958	564328	4191630	6.93E-03	1.11E-03	6.56E-04	5.43E-04
1959	564312.7	4191634	6.83E-03	1.10E-03	6.46E-04	5.36E-04
1960	564617.3	4191400	7.44E-03	1.19E-03	7.04E-04	5.84E-04
1961	564620	4191384	7.34E-03	1.18E-03	6.95E-04	5.76E-04
1962	564622.8	4191368	7.35E-03	1.18E-03	6.96E-04	5.76E-04
1963	564605	4191443	7.56E-03	1.21E-03	7.15E-04	5.93E-04
1964	564530.2	4191563	5.80E-03	9.31E-04	5.49E-04	4.55E-04
1965	564521.9	4191576	5.64E-03	9.04E-04	5.33E-04	4.42E-04
1966	564513.6	4191589	5.46E-03	8.76E-04	5.17E-04	4.28E-04
1967	564471.3	4191605	5.91E-03	9.49E-04	5.60E-04	4.64E-04
1968	564456.1	4191609	6.10E-03	9.79E-04	5.78E-04	4.79E-04
1969	564440.8	4191613	6.26E-03	1.00E-03	5.93E-04	4.91E-04
1970	564425.6	4191616	6.40E-03	1.03E-03	6.05E-04	5.02E-04

1971	564410.3	4191620	6.49E-03	1.04E-03	6.14E-04	5.09E-04
1972	564349.3	4191635	6.58E-03	1.05E-03	6.22E-04	5.16E-04
1973	564334	4191638	6.53E-03	1.05E-03	6.18E-04	5.12E-04
1974	564318.8	4191642	6.46E-03	1.04E-03	6.11E-04	5.07E-04
1975	564627.1	4191402	6.94E-03	1.11E-03	6.57E-04	5.44E-04
1976	564629.9	4191386	6.83E-03	1.10E-03	6.47E-04	5.36E-04
1977	564632.6	4191370	6.82E-03	1.09E-03	6.45E-04	5.35E-04
1978	564614.9	4191445	7.07E-03	1.13E-03	6.69E-04	5.54E-04
1979	564606.6	4191458	7.09E-03	1.14E-03	6.71E-04	5.56E-04
1980	564598.3	4191471	6.98E-03	1.12E-03	6.61E-04	5.48E-04
1981	564540.2	4191564	5.51E-03	8.84E-04	5.22E-04	4.32E-04
1982	564531.9	4191578	5.35E-03	8.59E-04	5.07E-04	4.20E-04
1983	564523.6	4191591	5.20E-03	8.34E-04	4.92E-04	4.08E-04
1984	564492.4	4191610	5.34E-03	8.57E-04	5.06E-04	4.19E-04
1985	564477.2	4191613	5.54E-03	8.88E-04	5.24E-04	4.34E-04
1986	564462	4191617	5.71E-03	9.16E-04	5.41E-04	4.48E-04
1987	564446.7	4191621	5.86E-03	9.41E-04	5.55E-04	4.60E-04
1988	564431.5	4191624	5.98E-03	9.60E-04	5.67E-04	4.70E-04
1989	564416.3	4191628	6.08E-03	9.75E-04	5.75E-04	4.77E-04
1990	564340.1	4191646	6.17E-03	9.89E-04	5.84E-04	4.84E-04
1991	564324.9	4191650	6.11E-03	9.80E-04	5.78E-04	4.79E-04
1992	564309.6	4191654	6.02E-03	9.66E-04	5.70E-04	4.72E-04
1993	564637	4191403	6.47E-03	1.04E-03	6.13E-04	5.08E-04
1994	564639.7	4191387	6.37E-03	1.02E-03	6.03E-04	5.00E-04
1995	564642.5	4191371	6.34E-03	1.02E-03	6.00E-04	4.97E-04
1996	564632.6	4191434	6.47E-03	1.04E-03	6.13E-04	5.08E-04
1997	564624	4191447	6.63E-03	1.06E-03	6.27E-04	5.20E-04
1998	564615.5	4191461	6.65E-03	1.07E-03	6.30E-04	5.22E-04
1999	564606.9	4191475	6.55E-03	1.05E-03	6.20E-04	5.14E-04
2000	564598.3	4191489	6.36E-03	1.02E-03	6.02E-04	4.99E-04
2001	564589.7	4191502	6.12E-03	9.82E-04	5.79E-04	4.80E-04
2002	564538.3	4191585	5.03E-03	8.08E-04	4.77E-04	3.95E-04
2003	564529.7	4191599	4.90E-03	7.86E-04	4.64E-04	3.84E-04
2004	564513.3	4191614	4.84E-03	7.76E-04	4.58E-04	3.80E-04
2005	564497.5	4191618	5.02E-03	8.06E-04	4.75E-04	3.94E-04
2006	564481.8	4191622	5.20E-03	8.35E-04	4.93E-04	4.08E-04
2007	564466	4191626	5.37E-03	8.62E-04	5.09E-04	4.22E-04
2008	564450.3	4191629	5.52E-03	8.85E-04	5.23E-04	4.33E-04
2009	564434.6	4191633	5.63E-03	9.04E-04	5.33E-04	4.42E-04
2010	564418.8	4191637	5.72E-03	9.17E-04	5.41E-04	4.49E-04
2011	564340.1	4191656	5.81E-03	9.32E-04	5.50E-04	4.56E-04
2012	564324.4	4191660	5.75E-03	9.22E-04	5.44E-04	4.51E-04
2013	564646.8	4191405	6.05E-03	9.71E-04	5.73E-04	4.75E-04
2014	564649.6	4191389	5.95E-03	9.55E-04	5.63E-04	4.67E-04
2015	564652.3	4191373	5.91E-03	9.48E-04	5.60E-04	4.64E-04

			T2		1166	T2L3			T4i			T4f		
					4.80E-07			7.64E-08			4.77E-08			3.62E-08
					4191412.66									
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	564348.44	4191310.91	2.07E-05	7.96E-06	2.87E-05	3.32E-06	1.25E-06	4.57E-06	1.96E-06	8.93E-07	2.85E-06	1.62E-06	5.41E-07	2.16E-06
2	564338.61	4191309.25	1.33E-05	5.11E-06	1.84E-05	2.13E-06	8.01E-07	2.93E-06	1.26E-06	5.74E-07	1.83E-06	1.04E-06	3.47E-07	1.39E-06
3	564328.78	4191307.59	6.81E-06	2.62E-06	9.43E-06	1.09E-06	4.11E-07	1.50E-06	6.45E-07	2.94E-07	9.39E-07	5.34E-07	1.78E-07	7.13E-07
4	564318.95	4191305.93	3.88E-06	1.49E-06	5.38E-06	6.23E-07	2.34E-07	8.57E-07	3.68E-07	1.68E-07	5.35E-07	3.05E-07	1.01E-07	4.06E-07
5	564356.59	4191305.12	1.83E-05	7.05E-06	2.54E-05	2.94E-06	1.10E-06	4.04E-06	1.73E-06	7.90E-07	2.52E-06	1.44E-06	4.79E-07	1.92E-06
6	564364.78	4191316.67	2.60E-05	1.00E-05	3.61E-05	4.18E-06	1.57E-06	5.75E-06	2.47E-06	1.12E-06	3.59E-06	2.04E-06	6.81E-07	2.72E-06
7	564340.27	4191299.39	9.53E-06	3.67E-06	1.32E-05	1.53E-06	5.75E-07	2.10E-06	9.02E-07	4.11E-07	1.31E-06	7.48E-07	2.49E-07	9.97E-07
8	564330.44	4191297.73	5.80E-06	2.23E-06	8.03E-06	9.30E-07	3.50E-07	1.28E-06	5.49E-07	2.50E-07	7.99E-07	4.55E-07	1.52E-07	6.06E-07
9	564320.61	4191296.07	3.46E-06	1.33E-06	4.79E-06	5.55E-07	2.09E-07	7.64E-07	3.28E-07	1.49E-07	4.77E-07	2.72E-07	9.05E-08	3.62E-07
10	564358.26	4191295.26	1.12E-05	4.33E-06	1.56E-05	1.80E-06	6.78E-07	2.48E-06	1.06E-06	4.85E-07	1.55E-06	8.82E-07	2.94E-07	1.18E-06
11	564372.94	4191310.89	2.02E-05	7.79E-06	2.80E-05	3.25E-06	1.22E-06	4.47E-06	1.92E-06	8.74E-07	2.79E-06	1.59E-06	5.29E-07	2.12E-06
12	564341.94	4191289.53	6.57E-06	2.53E-06	9.10E-06	1.05E-06	3.96E-07	1.45E-06	6.22E-07	2.84E-07	9.05E-07	5.15E-07	1.72E-07	6.87E-07
13	564332.11	4191287.87	4.57E-06	1.76E-06	6.33E-06	7.33E-07	2.75E-07	1.01E-06	4.33E-07	1.97E-07	6.30E-07	3.59E-07	1.19E-07	4.78E-07
14	564322.28	4191286.21	2.97E-06	1.14E-06	4.11E-06	4.76E-07	1.79E-07	6.55E-07	2.81E-07	1.28E-07	4.09E-07	2.33E-07	7.75E-08	3.10E-07
15	564359.92	4191285.4	7.20E-06	2.77E-06	9.97E-06	1.15E-06	4.34E-07	1.59E-06	6.82E-07	3.11E-07	9.92E-07	5.65E-07	1.88E-07	7.53E-07
16	564372.91	4191293.55	1.08E-05	4.15E-06	1.50E-05	1.73E-06	6.51E-07	2.38E-06	1.02E-06	4.66E-07	1.49E-06	8.47E-07	2.82E-07	1.13E-06
17	564381.1	4191305.1	1.51E-05	5.81E-06	2.09E-05	2.42E-06	9.10E-07	3.33E-06	1.43E-06	6.51E-07	2.08E-06	1.18E-06	3.94E-07	1.58E-06
18	564384.5	4191320.05	1.56E-05	5.99E-06	2.16E-05	2.50E-06	9.39E-07	3.44E-06	1.47E-06	6.72E-07	2.15E-06	1.22E-06	4.07E-07	1.63E-06
19	564343.6	4191279.67	4.72E-06	1.82E-06	6.54E-06	7.57E-07	2.85E-07	1.04E-06	4.47E-07	2.04E-07	6.51E-07	3.70E-07	1.23E-07	4.94E-07
20	564333.77	4191278.01	3.57E-06	1.37E-06	4.95E-06	5.73E-07	2.15E-07	7.88E-07	3.38E-07	1.54E-07	4.92E-07	2.80E-07	9.33E-08	3.74E-07
21	564323.94	4191276.35	2.51E-06	9.65E-07	3.47E-06	4.02E-07	1.51E-07	5.53E-07	2.37E-07	1.08E-07	3.46E-07	1.97E-07	6.55E-08	2.62E-07
22	564379.44	4191286.75	8.04E-06	3.09E-06	1.11E-05	1.29E-06	4.84E-07	1.77E-06	7.61E-07	3.47E-07	1.11E-06	6.30E-07	2.10E-07	8.41E-07
23	564356.76	4191261.61	3.13E-06	1.20E-06	4.33E-06	5.02E-07	1.89E-07	6.91E-07	2.96E-07	1.35E-07	4.31E-07	2.45E-07	8.18E-08	3.27E-07
24	564346.93	4191259.95	2.76E-06	1.06E-06	3.82E-06	4.42E-07	1.66E-07	6.08E-07	2.61E-07	1.19E-07	3.80E-07	2.16E-07	7.20E-08	2.88E-07
25	564337.1	4191258.29	2.29E-06	8.81E-07	3.17E-06	3.67E-07	1.38E-07	5.05E-07	2.17E-07	9.89E-08	3.16E-07	1.80E-07	5.99E-08	2.40E-07
26	564327.27	4191256.63	1.79E-06	6.89E-07	2.48E-06	2.87E-07	1.08E-07	3.95E-07	1.70E-07	7.73E-08	2.47E-07	1.41E-07	4.68E-08	1.87E-07
27	564366	4191256.5	2.84E-06	1.09E-06	3.94E-06	4.56E-07	1.71E-07	6.28E-07	2.69E-07	1.23E-07	3.92E-07	2.23E-07	7.44E-08	2.98E-07
28	564381.15	4191266.01	3.82E-06	1.47E-06	5.30E-06	6.14E-07	2.31E-07	8.44E-07	3.62E-07	1.65E-07	5.27E-07	3.00E-07	1.00E-07	4.00E-07
29	564348.6	4191250.09	2.21E-06	8.49E-07	3.05E-06	3.54E-07	1.33E-07	4.87E-07	2.09E-07	9.52E-08	3.04E-07	1.73E-07	5.76E-08	2.31E-07
30	564338.77	4191248.43	1.88E-06	7.22E-07	2.60E-06	3.01E-07	1.13E-07	4.14E-07	1.78E-07	8.10E-08	2.59E-07	1.47E-07	4.90E-08	1.96E-07
31	564328.94	4191246.77	1.53E-06	5.87E-07	2.11E-06	2.45E-07	9.20E-08	3.37E-07	1.44E-07	6.59E-08	2.10E-07	1.20E-07	3.99E-08	1.60E-07
32	564367.51	4191246.54	2.25E-06	8.68E-07	3.12E-06	3.62E-07	1.36E-07	4.98E-07	2.13E-07	9.73E-08	3.11E-07	1.77E-07	5.89E-08	2.36E-07
33	564382.35	4191255.86	2.86E-06	1.10E-06	3.96E-06	4.59E-07	1.73E-07	6.32E-07	2.71E-07	1.24E-07	3.95E-07	2.25E-07	7.48E-08	2.99E-07
34	564350.26	4191240.23	1.80E-06	6.92E-07	2.49E-06	2.88E-07	1.08E-07	3.97E-07	1.70E-07	7.76E-08	2.48E-07	1.41E-07	4.70E-08	1.88E-07
35	564340.43	4191238.57	1.56E-06	6.00E-07	2.16E-06	2.50E-07	9.41E-08	3.44E-07	1.48E-07	6.74E-08	2.15E-07	1.22E-07	4.08E-08	1.63E-07
36	564330.6	4191236.91	1.31E-06	5.04E-07	1.81E-06	2.10E-07	7.90E-08	2.89E-07	1.24E-07	5.66E-08	1.81E-07	1.03E-07	3.43E-08	1.37E-07
37	564370.1	4191237.27	1.87E-06	7.18E-07	2.58E-06	2.99E-07	1.12E-07	4.12E-07	1.77E-07	8.05E-08	2.57E-07	1.46E-07	4.88E-08	1.95E-07
38	564378.45	4191242.51	2.09E-06	8.03E-07	2.89E-06	3.35E-07	1.26E-07	4.61E-07	1.98E-07	9.01E-08	2.88E-07	1.64E-07	5.46E-08	2.18E-07
39	564386.8	4191247.75	2.34E-06	9.01E-07	3.24E-06	3.76E-07	1.41E-07	5.17E-07	2.22E-07	1.01E-07	3.23E-07	1.84E-07	6.12E-08	2.45E-07
40	564431.11	4191316.75	4.70E-06	1.81E-06	6.51E-06	7.54E-07	2.83E-07	1.04E-06	4.45E-07	2.03E-07	6.48E-07	3.69E-07	1.23E-07	4.92E-07
41	564433.29	4191326.36	3.68E-06	1.41E-06	5.09E-06	5.90E-07	2.22E-07	8.11E-07	3.48E-07	1.59E-07	5.07E-07	2.88E-07	9.61E-08	3.84E-07
42	564361.76	4191232.03	1.64E-06	6.31E-07	2.27E-06	2.63E-07	9.89E-08	3.62E-07	1.55E-07	7.08E-08	2.26E-07	1.29E-07	4.29E-08	1.72E-07
43	564351.93	4191230.37	1.49E-06	5.73E-07	2.06E-06	2.39E-07	8.98E-08	3.29E-07	1.41E-07	6.43E-08	2.05E-07	1.17E-07	3.89E-08	1.56E-07
44	564342.1	4191228.71	1.32E-06	5.07E-07	1.83E-06	2.11E-07	7.95E-08	2.91E-07	1.25E-07	5.69E-08	1.82E-07	1.03E-07	3.44E-08	1.38E-07
45	564332.27	4191227.05	1.14E-06	4.37E-07	1.57E-06	1.82E-07	6.85E-08	2.51E-07	1.08E-07	4.90E-08	1.57E-07	8.91E-08	2.97E-08	1.19E-07
46	564371.54	4191227.26	1.55E-06	5.96E-07	2.15E-06	2.49E-07	9.34E-08	3.42E-07	1.47E-07	6.69E-08	2.14E-07	1.22E-07	4.05E-08	1.62E-07
47	564379.65	4191232.35	1.71E-06	6.57E-07	2.36E-06	2.74E-07	1.03E-07	3.77E-07	1.62E-07	7.37E-08	2.35E-07	1.34E-07	4.46E-08	1.79E-07
48	564387.76	4191237.45	1.87E-06	7.20E-07	2.59E-06	3.00E-07	1.13E-07	4.13E-07	1.77E-07	8.08E-08	2.58E-07	1.47E-07	4.89E-08	1.96E-07
49	564436.84	4191300.29	4.78E-06	1.84E-06	6.62E-06	7.67E-07	2.88E-07	1.06E-06	4.53E-07	2.06E-07	6.59E-07	3.75E-07	1.25E-07	5.00E-07
50	564438.96	4191309.63	4.38E-06	1.68E-06	6.06E-06	7.02E-07	2.64E-07	9.66E-07	4.14E-07	1.89E-07	6.03E-07	3.43E-07	1.14E-07	4.58E-07
51	564441.08	4191318.97	3.64E-06	1.40E-06	5.03E-06	5.83E-07	2.19E-07	8.02E-07	3.44E-07	1.57E-07	5.01E-07	2.85E-07	9.50E-08	3.80E-07
52	564443.21	4191328.32	2.82E-06	1.08E-06	3.90E-06	4.52E-07	1.70E-07	6.21E-07	2.67E-07	1.22E-07	3.88E-07	2.21E-07	7.36E-08	2.94E-07
53	564363.42	4191222.17	1.38E-06	5.30E-07	1.91E-06	2.21E-07	8.31E-08	3.04E-07	1.30E-07	5.95E-08	1.90E-07	1.08E-07	3.60E-08	1.44E-07
54	564353.59	4191220.51	1.26E-06	4.85E-07	1.75E-06	2.02E-07	7.60E-08	2.78E-07	1.19E-07	5.44E-08	1.74E-07	9.89E-08	3.30E-08	1.32E-07
55	564343.76	4191218.85	1.13E-06	4.35E-07	1.57E-06	1.81E-07	6.82E-08	2.50E-07	1.07E-07	4.88E-08	1.56E-07	8.87E-08	2.96E-08	1.18E-07
56	564333.93	4191217.19	9.89E-07	3.81E-07	1.37E-06	1.59E-07	5.96E-08	2.18E-07	9.36E-08	4.27E-08	1.36E-07	7.76E-08	2.58E-08	1.03E-07
57	564373.02	4191217.29	1.31E-06	5.04E-07	1.81E-06	2.10E-07	7.89E-08	2.89E-07	1.24E-07	5.65E-08	1.81E-07	1.03E-07	3.42E-08	1.37E-07
58	564380.95	4191222.27	1.43E-06	5.50E-07	1.98E-06	2.29E-07	8.61E-08	3.15E-07	1.35E-07	6.17E-08	1.97E-07	1.12E-07	3.73E-08	1.49E-07
59	564388.89	4191227.25	1.54E-06	5.94E-07	2.14E-06	2.48E-07	9.30E-08	3.41E-07	1.46E-07	6.66E-08	2.13E-07	1.21E-07	4.03E-08	1.61E-07
60	564438.57	4191266.27	2.99E-06	1.15E-06	4.14E-06	4.79E-07	1.80E-07	6.60E-07	2.83E-07	1.29E-07	4.12E-07	2.34E-07	7.81E-08	3.13E-07
61	564446.88	4191302.81	3.95E-06	1.52E-06	5.47E-06	6.33E-07	2.38E-07	8.71E-07	3.74E-07	1.70E-07	5.44E-07	3.10E-07	1.03E-07	4.13E-07
62	564448.96	4191311.94	3.46E-06	1.33E-06	4.79E-06	5.55E-07	2.09E-07	7.64E-07	3.28E-07	1.49E-07	4.77E-07	2.72E-07	9.05E-08	3.62E-07
63	564451.04	4191321.08	2.81E-06	1.08E-06	3.89E-06	4.50E-07	1.69E-07	6.20E-07	2.66E-07	1.21E-07	3.87E-07	2.20E-07	7.34E-08	2.94E-07
64	564453.11	4191330.21	2.18E-06	8.39E-07	3.02E-06	3.50E-07	1.31E-07	4.81E-07	2.06E-07	9.41E-08	3.00E-07	1.71E-07	5.70E-08	2.28E-07
65	564365.09	4191212.31	1.18E-06	4.54E-07	1.63E-06	1.89E-07	7.11E-08	2.60E-07	1.12E-07	5.09E-08	1.63E-07	9.26E-08	3.08E-08	1.23E-07
66	564355.26	4191210.65	1.09E-06	4.19E-07	1.51E-06	1.75E-07	6.56E-08	2.40E-07	1.03E-07	4.70E-08	1.50E-07	8.53E-08	2.84E-08	1.14E-07
67	564345.43	4191208.99	9.83E-07	3.78E-07	1.36E-06	1.58E-07	5.93E-08	2.17E-07	9.31E-08	4.24E-08	1.35E-07	7.71E-08	2.57E-08	1.03E-07

68	564335.6	4191207.33	8.69E-07	3.35E-07	1.20E-06	1.39E-07	5.24E-08	1.92E-07	8.23E-08	3.75E-08	1.20E-07	6.82E-08	2.27E-08	9.09E-08
69	564374.54	4191207.34	1.12E-06	4.32E-07	1.56E-06	1.80E-07	6.77E-08	2.48E-07	1.06E-07	4.85E-08	1.55E-07	8.81E-08	2.94E-08	1.17E-07
70	564382.33	4191212.23	1.22E-06	4.68E-07	1.69E-06	1.95E-07	7.34E-08	2.69E-07	1.15E-07	5.25E-08	1.68E-07	9.55E-08	3.18E-08	1.27E-07
71	564390.12	4191217.12	1.30E-06	5.01E-07	1.80E-06	2.09E-07	7.85E-08	2.87E-07	1.23E-07	5.62E-08	1.79E-07	1.02E-07	3.40E-08	1.36E-07
72	564397.91	4191222.01	1.39E-06	5.33E-07	1.92E-06	2.22E-07	8.35E-08	3.06E-07	1.31E-07	5.98E-08	1.91E-07	1.09E-07	3.62E-08	1.45E-07
73	564436.86	4191246.46	2.05E-06	7.90E-07	2.84E-06	3.29E-07	1.24E-07	4.53E-07	1.94E-07	8.86E-08	2.83E-07	1.61E-07	5.36E-08	2.15E-07
74	564446.69	4191260.32	2.52E-06	9.68E-07	3.48E-06	4.04E-07	1.52E-07	5.55E-07	2.38E-07	1.09E-07	3.47E-07	1.97E-07	6.57E-08	2.63E-07
75	564448.73	4191269.29	2.89E-06	1.11E-06	4.01E-06	4.64E-07	1.74E-07	6.38E-07	2.74E-07	1.25E-07	3.99E-07	2.27E-07	7.56E-08	3.03E-07
76	564456.89	4191305.16	3.21E-06	1.24E-06	4.44E-06	5.15E-07	1.93E-07	7.08E-07	3.04E-07	1.39E-07	4.42E-07	2.52E-07	8.39E-08	3.36E-07
77	564458.93	4191314.13	2.73E-06	1.05E-06	3.78E-06	4.38E-07	1.65E-07	6.03E-07	2.58E-07	1.18E-07	3.76E-07	2.14E-07	7.14E-08	2.86E-07
78	564463.01	4191332.07	1.72E-06	6.63E-07	2.39E-06	2.76E-07	1.04E-07	3.80E-07	1.63E-07	7.44E-08	2.37E-07	1.35E-07	4.50E-08	1.80E-07
79	564366.75	4191202.45	1.02E-06	3.93E-07	1.41E-06	1.64E-07	6.16E-08	2.26E-07	9.67E-08	4.41E-08	1.41E-07	8.02E-08	2.67E-08	1.07E-07
80	564356.92	4191200.79	9.49E-07	3.65E-07	1.31E-06	1.52E-07	5.72E-08	2.09E-07	8.98E-08	4.10E-08	1.31E-07	7.44E-08	2.48E-08	9.92E-08
81	564347.09	4191199.13	8.64E-07	3.32E-07	1.20E-06	1.39E-07	5.21E-08	1.91E-07	8.18E-08	3.73E-08	1.19E-07	6.78E-08	2.26E-08	9.04E-08
82	564337.26	4191197.47	7.71E-07	2.97E-07	1.07E-06	1.24E-07	4.65E-08	1.70E-07	7.30E-08	3.33E-08	1.06E-07	6.05E-08	2.02E-08	8.07E-08
83	564376.86	4191197.88	9.83E-07	3.78E-07	1.36E-06	1.58E-07	5.93E-08	2.17E-07	9.31E-08	4.24E-08	1.35E-07	7.71E-08	2.57E-08	1.03E-07
84	564385.29	4191203.18	1.07E-06	4.10E-07	1.47E-06	1.71E-07	6.42E-08	2.35E-07	1.01E-07	4.60E-08	1.47E-07	8.36E-08	2.78E-08	1.11E-07
85	564393.73	4191208.48	1.14E-06	4.37E-07	1.57E-06	1.82E-07	6.85E-08	2.51E-07	1.08E-07	4.90E-08	1.57E-07	8.91E-08	2.97E-08	1.19E-07
86	564444.37	4191240.27	1.77E-06	6.82E-07	2.45E-06	2.84E-07	1.07E-07	3.91E-07	1.68E-07	7.65E-08	2.44E-07	1.39E-07	4.63E-08	1.85E-07
87	564455.02	4191255.28	2.18E-06	8.37E-07	3.01E-06	3.49E-07	1.31E-07	4.80E-07	2.06E-07	9.39E-08	3.00E-07	1.71E-07	5.69E-08	2.28E-07
88	564457.23	4191265	2.50E-06	9.64E-07	3.47E-06	4.02E-07	1.51E-07	5.53E-07	2.37E-07	1.08E-07	3.45E-07	1.97E-07	6.55E-08	2.62E-07
89	564459.44	4191274.71	2.82E-06	1.09E-06	3.91E-06	4.53E-07	1.70E-07	6.23E-07	2.67E-07	1.22E-07	3.89E-07	2.21E-07	7.37E-08	2.95E-07
90	564466.06	4191303.86	2.75E-06	1.06E-06	3.81E-06	4.41E-07	1.66E-07	6.06E-07	2.60E-07	1.19E-07	3.79E-07	2.16E-07	7.18E-08	2.87E-07
91	564468.27	4191313.58	2.30E-06	8.85E-07	3.19E-06	3.69E-07	1.39E-07	5.08E-07	2.18E-07	9.93E-08	3.17E-07	1.81E-07	6.01E-08	2.41E-07
92	564470.48	4191323.29	1.82E-06	7.00E-07	2.52E-06	2.92E-07	1.10E-07	4.02E-07	1.72E-07	7.86E-08	2.51E-07	1.43E-07	4.76E-08	1.90E-07
93	564472.69	4191333.01	1.42E-06	5.47E-07	1.97E-06	2.28E-07	8.57E-08	3.14E-07	1.35E-07	6.13E-08	1.96E-07	1.11E-07	3.71E-08	1.49E-07
94	564368.42	4191192.58	8.94E-07	3.44E-07	1.24E-06	1.43E-07	5.39E-08	1.97E-07	8.47E-08	3.86E-08	1.23E-07	7.02E-08	2.34E-08	9.35E-08
95	564358.59	4191190.92	8.35E-07	3.21E-07	1.16E-06	1.34E-07	5.04E-08	1.84E-07	7.91E-08	3.61E-08	1.15E-07	6.55E-08	2.18E-08	8.74E-08
96	564348.76	4191189.26	7.67E-07	2.95E-07	1.06E-06	1.23E-07	4.62E-08	1.69E-07	7.26E-08	3.31E-08	1.06E-07	6.02E-08	2.00E-08	8.02E-08
97	564338.93	4191187.6	6.93E-07	2.67E-07	9.59E-07	1.11E-07	4.18E-08	1.53E-07	6.56E-08	2.99E-08	9.55E-08	5.43E-08	1.81E-08	7.25E-08
98	564378.34	4191187.91	8.61E-07	3.31E-07	1.19E-06	1.38E-07	5.19E-08	1.90E-07	8.15E-08	3.72E-08	1.19E-07	6.76E-08	2.25E-08	9.01E-08
99	564386.61	4191193.1	9.28E-07	3.57E-07	1.29E-06	1.49E-07	5.60E-08	2.05E-07	8.79E-08	4.01E-08	1.28E-07	7.28E-08	2.43E-08	9.71E-08
100	564394.87	4191198.28	9.85E-07	3.79E-07	1.36E-06	1.58E-07	5.94E-08	2.17E-07	9.33E-08	4.25E-08	1.36E-07	7.73E-08	2.57E-08	1.03E-07
101	564444.44	4191229.4	1.46E-06	5.61E-07	2.02E-06	2.34E-07	8.80E-08	3.22E-07	1.38E-07	6.30E-08	2.01E-07	1.14E-07	3.81E-08	1.53E-07
102	564452.7	4191234.59	1.56E-06	6.01E-07	2.16E-06	2.51E-07	9.42E-08	3.45E-07	1.48E-07	6.74E-08	2.15E-07	1.23E-07	4.08E-08	1.63E-07
103	564463.13	4191249.29	1.88E-06	7.23E-07	2.60E-06	3.02E-07	1.13E-07	4.15E-07	1.78E-07	8.11E-08	2.59E-07	1.47E-07	4.91E-08	1.97E-07
104	564465.29	4191258.8	2.13E-06	8.21E-07	2.96E-06	3.42E-07	1.29E-07	4.71E-07	2.02E-07	9.21E-08	2.94E-07	1.67E-07	5.58E-08	2.23E-07
105	564467.45	4191268.31	2.40E-06	9.22E-07	3.32E-06	3.85E-07	1.44E-07	5.29E-07	2.27E-07	1.03E-07	3.30E-07	1.88E-07	6.27E-08	2.51E-07
106	564476.11	4191306.36	2.23E-06	8.59E-07	3.09E-06	3.58E-07	1.35E-07	4.93E-07	2.11E-07	9.63E-08	3.08E-07	1.75E-07	5.83E-08	2.33E-07
107	564478.27	4191315.88	1.84E-06	7.07E-07	2.54E-06	2.95E-07	1.11E-07	4.05E-07	1.74E-07	7.93E-08	2.53E-07	1.44E-07	4.80E-08	1.92E-07
108	564480.43	4191325.39	1.46E-06	5.62E-07	2.02E-06	2.34E-07	8.80E-08	3.22E-07	1.38E-07	6.30E-08	2.01E-07	1.15E-07	3.81E-08	1.53E-07
109	564482.6	4191334.9	1.17E-06	4.48E-07	1.61E-06	1.87E-07	7.02E-08	2.57E-07	1.10E-07	5.03E-08	1.61E-07	9.14E-08	3.04E-08	1.22E-07
110	564370.08	4191182.72	7.90E-07	3.04E-07	1.09E-06	1.27E-07	4.76E-08	1.74E-07	7.48E-08	3.41E-08	1.09E-07	6.20E-08	2.06E-08	8.26E-08
111	564360.25	4191181.06	7.42E-07	2.85E-07	1.03E-06	1.19E-07	4.47E-08	1.64E-07	7.02E-08	3.20E-08	1.02E-07	5.82E-08	1.94E-08	7.76E-08
112	564350.42	4191179.4	6.86E-07	2.64E-07	9.51E-07	1.10E-07	4.14E-08	1.52E-07	6.50E-08	2.96E-08	9.46E-08	5.39E-08	1.79E-08	7.18E-08
113	564340.59	4191177.74	6.26E-07	2.41E-07	8.66E-07	1.00E-07	3.77E-08	1.38E-07	5.92E-08	2.70E-08	8.62E-08	4.91E-08	1.64E-08	6.54E-08
114	564379.86	4191177.96	7.62E-07	2.93E-07	1.05E-06	1.22E-07	4.59E-08	1.68E-07	7.21E-08	3.29E-08	1.05E-07	5.97E-08	1.99E-08	7.97E-08
115	564387.98	4191183.05	8.17E-07	3.15E-07	1.13E-06	1.31E-07	4.93E-08	1.80E-07	7.74E-08	3.53E-08	1.13E-07	6.41E-08	2.14E-08	8.55E-08
116	564396.09	4191188.15	8.66E-07	3.33E-07	1.20E-06	1.39E-07	5.22E-08	1.91E-07	8.20E-08	3.74E-08	1.19E-07	6.79E-08	2.26E-08	9.05E-08
117	564444.78	4191218.71	1.21E-06	4.67E-07	1.68E-06	1.95E-07	7.32E-08	2.68E-07	1.15E-07	5.24E-08	1.67E-07	9.52E-08	3.17E-08	1.27E-07
118	564452.89	4191223.8	1.31E-06	5.03E-07	1.81E-06	2.10E-07	7.87E-08	2.88E-07	1.24E-07	5.64E-08	1.80E-07	1.02E-07	3.41E-08	1.37E-07
119	564461.01	4191228.9	1.39E-06	5.35E-07	1.92E-06	2.23E-07	8.38E-08	3.07E-07	1.32E-07	6.00E-08	1.92E-07	1.09E-07	3.63E-08	1.45E-07
120	564471.25	4191243.34	1.64E-06	6.33E-07	2.28E-06	2.64E-07	9.91E-08	3.63E-07	1.56E-07	7.10E-08	2.27E-07	1.29E-07	4.30E-08	1.72E-07
121	564473.37	4191252.68	1.85E-06	7.10E-07	2.56E-06	2.96E-07	1.11E-07	4.07E-07	1.75E-07	7.97E-08	2.54E-07	1.45E-07	4.82E-08	1.93E-07
122	564475.49	4191262.02	2.06E-06	7.91E-07	2.85E-06	3.30E-07	1.24E-07	4.54E-07	1.95E-07	8.88E-08	2.83E-07	1.61E-07	5.38E-08	2.15E-07
123	564477.62	4191271.36	2.25E-06	8.64E-07	3.11E-06	3.60E-07	1.35E-07	4.96E-07	2.13E-07	9.69E-08	3.10E-07	1.76E-07	5.87E-08	2.35E-07
124	564486.12	4191308.73	1.82E-06	6.98E-07	2.51E-06	2.91E-07	1.09E-07	4.01E-07	1.72E-07	7.83E-08	2.50E-07	1.42E-07	4.74E-08	1.90E-07
125	564488.24	4191318.07	1.48E-06	5.71E-07	2.05E-06	2.38E-07	8.94E-08	3.27E-07	1.40E-07	6.40E-08	2.04E-07	1.16E-07	3.88E-08	1.55E-07
126	564490.37	4191327.42	1.19E-06	4.58E-07	1.65E-06	1.91E-07	7.18E-08	2.63E-07	1.13E-07	5.14E-08	1.64E-07	9.34E-08	3.11E-08	1.25E-07
127	564492.49	4191336.76	9.72E-07	3.74E-07	1.35E-06	1.56E-07	5.86E-08	2.15E-07	9.20E-08	4.20E-08	1.34E-07	7.63E-08	2.54E-08	1.02E-07
128	564371.75	4191172.86	7.03E-07	2.71E-07	9.74E-07	1.13E-07	4.24E-08	1.55E-07	6.66E-08	3.04E-08	9.69E-08	5.52E-08	1.84E-08	7.35E-08
129	564361.92	4191171.2	6.64E-07	2.55E-07	9.19E-07	1.06E-07	4.00E-08	1.46E-07	6.28E-08	2.86E-08	9.15E-08	5.21E-08	1.73E-08	6.94E-08
130	564352.09	4191169.54	6.18E-07	2.38E-07	8.56E-07	9.92E-08	3.73E-08	1.36E-07	5.85E-08	2.67E-08	8.52E-08	4.85E-08	1.62E-08	6.47E-08
131	564342.26	4191167.88	5.68E-07	2.19E-07	7.87E-07	9.12E-08	3.43E-08	1.25E-07	5.38E-08	2.45E-08	7.83E-08	4.46E-08	1.49E-08	5.94E-08
132	564405.37	4191183.07	8.04E-07	3.09E-07	1.11E-06	1.29E-07	4.85E-08	1.77E-07	7.61E-08	3.47E-08	1.11E-07	6.31E-08	2.10E-08	8.41E-08
133	564445.32	4191208.14	1.02E-06	3.94E-07	1.42E-06	1.64E-07	6.17E-08	2.26E-07	9.69E-08	4.42E-08	1.41E-07	8.03E-08	2.67E-08	1.07E-07
134	564453.31	4191213.16	1.10E-06	4.23E-07	1.52E-06	1.76E-07	6.63E-08	2.43E-07	1.04E-07	4.75E-08	1.52E-07	8.63E-08	2.87E-08	1.15E-07
135	564461.3	4191218.18	1.18E-06	4.52E-07	1.63E-06	1.89E-07	7.09E-08	2.59E-07	1.11E-07	5.07E-08	1.62E-07	9.22E-08	3.07E-08	1.23E-07
136	564469.29	4191223.19	1.24E-06	4.79E-07	1.72E-06	2.00E-07	7.50E-08	2.75E-07	1.18E-07	5.37E-08	1.72E-07	9.76E-08	3.25E-08	1.30E-07
137	564479.37	4191237.41	1.45E-06	5.58E-07	2.01E-06	2.33E-07	8.74E-08	3.20E-07	1.37E-07	6.26E-08	2.00E-07	1.14E-07	3.79E-08	1.52E-07
138	564481.46	4191246.6	1.61E-06	6.21E-07	2.23E-06	2.59E-07	9.73E-08	3.56E-07	1.53E-07	6.97E-08	2.22E-07	1.27E-07	4.22E-08	1.69E-07

139	564483.55	4191255.8	1.78E-06	6.85E-07	2.47E-06	2.86E-07	1.07E-07	3.93E-07	1.69E-07	7.69E-08	2.46E-07	1.40E-07	4.66E-08	1.86E-07
140	564485.64	4191265	1.95E-06	7.50E-07	2.70E-06	3.12E-07	1.17E-07	4.30E-07	1.84E-07	8.41E-08	2.68E-07	1.53E-07	5.09E-08	2.04E-07
141	564487.74	4191274.2	2.06E-06	7.94E-07	2.86E-06	3.31E-07	1.24E-07	4.55E-07	1.95E-07	8.91E-08	2.84E-07	1.62E-07	5.39E-08	2.16E-07
142	564496.1	4191311	1.48E-06	5.71E-07	2.05E-06	2.38E-07	8.94E-08	3.27E-07	1.40E-07	6.40E-08	2.04E-07	1.16E-07	3.88E-08	1.55E-07
143	564498.2	4191320.19	1.21E-06	4.66E-07	1.68E-06	1.94E-07	7.31E-08	2.68E-07	1.15E-07	5.23E-08	1.67E-07	9.51E-08	3.17E-08	1.27E-07
144	564500.29	4191329.39	9.87E-07	3.80E-07	1.37E-06	1.58E-07	5.95E-08	2.18E-07	9.35E-08	4.26E-08	1.36E-07	7.74E-08	2.58E-08	1.03E-07
145	564502.38	4191338.59	8.24E-07	3.17E-07	1.14E-06	1.32E-07	4.97E-08	1.82E-07	7.80E-08	3.56E-08	1.14E-07	6.46E-08	2.15E-08	8.62E-08
146	564382.96	4191158.09	6.09E-07	2.34E-07	8.44E-07	9.77E-08	3.67E-08	1.34E-07	5.77E-08	2.63E-08	8.40E-08	4.78E-08	1.59E-08	6.37E-08
147	564390.84	4191163.04	6.49E-07	2.50E-07	8.99E-07	1.04E-07	3.91E-08	1.43E-07	6.15E-08	2.80E-08	8.95E-08	5.09E-08	1.70E-08	6.79E-08
148	564446.02	4191197.68	8.76E-07	3.37E-07	1.21E-06	1.41E-07	5.28E-08	1.93E-07	8.29E-08	3.78E-08	1.21E-07	6.87E-08	2.29E-08	9.16E-08
149	564453.9	4191202.63	9.36E-07	3.60E-07	1.30E-06	1.50E-07	5.64E-08	2.07E-07	8.86E-08	4.04E-08	1.29E-07	7.34E-08	2.45E-08	9.79E-08
150	564461.79	4191207.58	1.00E-06	3.85E-07	1.38E-06	1.60E-07	6.03E-08	2.21E-07	9.47E-08	4.32E-08	1.38E-07	7.85E-08	2.61E-08	1.05E-07
151	564469.67	4191212.53	1.06E-06	4.09E-07	1.47E-06	1.71E-07	6.41E-08	2.35E-07	1.01E-07	4.59E-08	1.46E-07	8.34E-08	2.78E-08	1.11E-07
152	564477.55	4191217.47	1.12E-06	4.29E-07	1.55E-06	1.79E-07	6.73E-08	2.46E-07	1.06E-07	4.82E-08	1.54E-07	8.76E-08	2.92E-08	1.17E-07
153	564487.5	4191231.5	1.29E-06	4.96E-07	1.78E-06	2.07E-07	7.76E-08	2.84E-07	1.22E-07	5.56E-08	1.78E-07	1.01E-07	3.37E-08	1.35E-07
154	564489.56	4191240.57	1.42E-06	5.48E-07	1.97E-06	2.28E-07	8.58E-08	3.14E-07	1.35E-07	6.14E-08	1.96E-07	1.12E-07	3.72E-08	1.49E-07
155	564491.63	4191249.65	1.56E-06	6.02E-07	2.17E-06	2.51E-07	9.42E-08	3.45E-07	1.48E-07	6.75E-08	2.16E-07	1.23E-07	4.09E-08	1.64E-07
156	564493.69	4191258.72	1.70E-06	6.54E-07	2.35E-06	2.73E-07	1.02E-07	3.75E-07	1.61E-07	7.34E-08	2.34E-07	1.33E-07	4.44E-08	1.78E-07
157	564495.75	4191267.8	1.82E-06	6.99E-07	2.51E-06	2.91E-07	1.09E-07	4.01E-07	1.72E-07	7.84E-08	2.50E-07	1.42E-07	4.74E-08	1.90E-07
158	564497.82	4191276.88	1.86E-06	7.17E-07	2.58E-06	2.99E-07	1.12E-07	4.11E-07	1.76E-07	8.04E-08	2.57E-07	1.46E-07	4.87E-08	1.95E-07
159	564506.07	4191313.18	1.22E-06	4.70E-07	1.69E-06	1.96E-07	7.37E-08	2.70E-07	1.16E-07	5.27E-08	1.68E-07	9.59E-08	3.19E-08	1.28E-07
160	564508.14	4191322.25	1.00E-06	3.86E-07	1.39E-06	1.61E-07	6.05E-08	2.22E-07	9.50E-08	4.33E-08	1.38E-07	7.87E-08	2.62E-08	1.05E-07
161	564510.2	4191331.33	8.29E-07	3.19E-07	1.15E-06	1.33E-07	5.00E-08	1.83E-07	7.85E-08	3.58E-08	1.14E-07	6.51E-08	2.17E-08	8.67E-08
162	564512.26	4191340.4	7.05E-07	2.71E-07	9.76E-07	1.13E-07	4.25E-08	1.56E-07	6.67E-08	3.04E-08	9.71E-08	5.53E-08	1.84E-08	7.37E-08
163	564375.08	4191153.14	5.67E-07	2.18E-07	7.85E-07	9.10E-08	3.42E-08	1.25E-07	5.37E-08	2.45E-08	7.82E-08	4.45E-08	1.48E-08	5.93E-08
164	564365.25	4191151.48	5.40E-07	2.08E-07	7.48E-07	8.66E-08	3.25E-08	1.19E-07	5.11E-08	2.33E-08	7.44E-08	4.24E-08	1.41E-08	5.65E-08
165	564355.42	4191149.82	5.10E-07	1.96E-07	7.06E-07	8.18E-08	3.07E-08	1.12E-07	4.82E-08	2.20E-08	7.02E-08	4.00E-08	1.33E-08	5.33E-08
166	564345.59	4191148.16	4.75E-07	1.83E-07	6.58E-07	7.62E-08	2.86E-08	1.05E-07	4.50E-08	2.05E-08	6.55E-08	3.73E-08	1.24E-08	4.97E-08
167	564385.09	4191148.52	5.52E-07	2.12E-07	7.64E-07	8.85E-08	3.33E-08	1.22E-07	5.22E-08	2.38E-08	7.61E-08	4.33E-08	1.44E-08	5.77E-08
168	564393.44	4191153.76	5.89E-07	2.27E-07	8.16E-07	9.45E-08	3.55E-08	1.30E-07	5.58E-08	2.54E-08	8.12E-08	4.62E-08	1.54E-08	6.16E-08
169	564451.86	4191190.44	7.92E-07	3.05E-07	1.10E-06	1.27E-07	4.77E-08	1.75E-07	7.50E-08	3.42E-08	1.09E-07	6.21E-08	2.07E-08	8.28E-08
170	564460.21	4191195.68	8.44E-07	3.25E-07	1.17E-06	1.35E-07	5.09E-08	1.86E-07	7.99E-08	3.64E-08	1.16E-07	6.62E-08	2.21E-08	8.82E-08
171	564468.55	4191200.92	9.01E-07	3.47E-07	1.25E-06	1.45E-07	5.43E-08	1.99E-07	8.53E-08	3.89E-08	1.24E-07	7.07E-08	2.36E-08	9.43E-08
172	564476.9	4191206.16	9.55E-07	3.68E-07	1.32E-06	1.53E-07	5.76E-08	2.11E-07	9.04E-08	4.12E-08	1.32E-07	7.50E-08	2.50E-08	9.99E-08
173	564485.24	4191211.4	1.00E-06	3.85E-07	1.39E-06	1.61E-07	6.03E-08	2.21E-07	9.47E-08	4.32E-08	1.38E-07	7.85E-08	2.62E-08	1.05E-07
174	564495.78	4191226.25	1.16E-06	4.46E-07	1.60E-06	1.86E-07	6.98E-08	2.56E-07	1.10E-07	5.00E-08	1.60E-07	9.09E-08	3.03E-08	1.21E-07
175	564497.96	4191235.86	1.28E-06	4.93E-07	1.77E-06	2.05E-07	7.72E-08	2.83E-07	1.21E-07	5.53E-08	1.77E-07	1.00E-07	3.35E-08	1.34E-07
176	564500.15	4191245.47	1.41E-06	5.42E-07	1.95E-06	2.26E-07	8.48E-08	3.11E-07	1.33E-07	6.08E-08	1.94E-07	1.10E-07	3.68E-08	1.47E-07
177	564502.33	4191255.07	1.53E-06	5.88E-07	2.12E-06	2.45E-07	9.21E-08	3.37E-07	1.45E-07	6.60E-08	2.11E-07	1.20E-07	4.00E-08	1.60E-07
178	564504.52	4191264.68	1.63E-06	6.27E-07	2.26E-06	2.62E-07	9.83E-08	3.60E-07	1.54E-07	7.04E-08	2.25E-07	1.28E-07	4.26E-08	1.71E-07
179	564506.7	4191274.29	1.67E-06	6.43E-07	2.32E-06	2.68E-07	1.01E-07	3.69E-07	1.58E-07	7.22E-08	2.30E-07	1.31E-07	4.37E-08	1.75E-07
180	564508.89	4191283.9	1.63E-06	6.25E-07	2.25E-06	2.61E-07	9.80E-08	3.59E-07	1.54E-07	7.01E-08	2.24E-07	1.27E-07	4.25E-08	1.70E-07
181	564515.44	4191312.73	1.07E-06	4.12E-07	1.48E-06	1.72E-07	6.46E-08	2.37E-07	1.01E-07	4.63E-08	1.48E-07	8.41E-08	2.80E-08	1.12E-07
182	564517.63	4191322.34	8.75E-07	3.37E-07	1.21E-06	1.40E-07	5.28E-08	1.93E-07	8.29E-08	3.78E-08	1.21E-07	6.87E-08	2.29E-08	9.15E-08
183	564519.81	4191331.95	7.15E-07	2.75E-07	9.91E-07	1.15E-07	4.31E-08	1.58E-07	6.77E-08	3.09E-08	9.86E-08	5.61E-08	1.87E-08	7.48E-08
184	564522	4191341.56	6.09E-07	2.34E-07	8.44E-07	9.77E-08	3.67E-08	1.34E-07	5.77E-08	2.63E-08	8.40E-08	4.78E-08	1.59E-08	6.37E-08
185	564376.74	4191143.28	5.13E-07	1.97E-07	7.10E-07	8.23E-08	3.09E-08	1.13E-07	4.86E-08	2.21E-08	7.07E-08	4.03E-08	1.34E-08	5.37E-08
186	564366.91	4191141.62	4.91E-07	1.89E-07	6.79E-07	7.87E-08	2.96E-08	1.08E-07	4.64E-08	2.12E-08	6.76E-08	3.85E-08	1.28E-08	5.13E-08
187	564357.08	4191139.96	4.66E-07	1.79E-07	6.45E-07	7.47E-08	2.81E-08	1.03E-07	4.41E-08	2.01E-08	6.42E-08	3.65E-08	1.22E-08	4.87E-08
188	564347.25	4191138.3	4.37E-07	1.68E-07	6.05E-07	7.01E-08	2.63E-08	9.64E-08	4.14E-08	1.89E-08	6.02E-08	3.43E-08	1.14E-08	4.57E-08
189	564386.63	4191138.58	4.99E-07	1.92E-07	6.92E-07	8.01E-08	3.01E-08	1.10E-07	4.73E-08	2.16E-08	6.88E-08	3.92E-08	1.31E-08	5.22E-08
190	564394.85	4191143.75	5.33E-07	2.05E-07	7.38E-07	8.55E-08	3.21E-08	1.18E-07	5.04E-08	2.30E-08	7.34E-08	4.18E-08	1.39E-08	5.57E-08
191	564477.08	4191195.37	8.25E-07	3.17E-07	1.14E-06	1.32E-07	4.97E-08	1.82E-07	7.81E-08	3.56E-08	1.14E-07	6.47E-08	2.16E-08	8.63E-08
192	564485.3	4191200.53	8.67E-07	3.34E-07	1.20E-06	1.39E-07	5.23E-08	1.91E-07	8.21E-08	3.74E-08	1.20E-07	6.80E-08	2.27E-08	9.07E-08
193	564493.52	4191205.69	9.04E-07	3.48E-07	1.25E-06	1.45E-07	5.45E-08	2.00E-07	8.56E-08	3.90E-08	1.25E-07	7.10E-08	2.36E-08	9.46E-08
194	564503.9	4191220.32	1.04E-06	3.99E-07	1.44E-06	1.66E-07	6.25E-08	2.29E-07	9.81E-08	4.47E-08	1.43E-07	8.13E-08	2.71E-08	1.08E-07
195	564506.05	4191229.79	1.14E-06	4.40E-07	1.58E-06	1.83E-07	6.89E-08	2.52E-07	1.08E-07	4.94E-08	1.58E-07	8.97E-08	2.99E-08	1.20E-07
196	564508.21	4191239.25	1.25E-06	4.81E-07	1.73E-06	2.01E-07	7.54E-08	2.76E-07	1.18E-07	5.40E-08	1.72E-07	9.81E-08	3.27E-08	1.31E-07
197	564510.36	4191248.72	1.36E-06	5.22E-07	1.88E-06	2.17E-07	8.17E-08	2.99E-07	1.28E-07	5.85E-08	1.87E-07	1.06E-07	3.54E-08	1.42E-07
198	564512.51	4191258.19	1.45E-06	5.56E-07	2.00E-06	2.32E-07	8.71E-08	3.19E-07	1.37E-07	6.24E-08	1.99E-07	1.13E-07	3.78E-08	1.51E-07
199	564514.66	4191267.65	1.50E-06	5.78E-07	2.08E-06	2.41E-07	9.06E-08	3.32E-07	1.42E-07	6.49E-08	2.07E-07	1.18E-07	3.93E-08	1.57E-07
200	564516.82	4191277.12	1.49E-06	5.75E-07	2.07E-06	2.40E-07	9.00E-08	3.30E-07	1.41E-07	6.45E-08	2.06E-07	1.17E-07	3.90E-08	1.56E-07
201	564525.43	4191314.99	8.89E-07	3.42E-07	1.23E-06	1.43E-07	5.36E-08	1.96E-07	8.41E-08	3.84E-08	1.22E-07	6.97E-08	2.32E-08	9.29E-08
202	564527.58	4191324.46	7.31E-07	2.81E-07	1.01E-06	1.17E-07	4.41E-08	1.61E-07	6.92E-08	3.16E-08	1.01E-07	5.74E-08	1.91E-08	7.65E-08
203	564529.74	4191333.92	6.12E-07	2.36E-07	8.48E-07	9.82E-08	3.69E-08	1.35E-07	5.80E-08	2.64E-08	8.44E-08	4.80E-08	1.60E-08	6.41E-08
204	564531.89	4191343.39	5.31E-07	2.04E-07	7.35E-07	8.51E-08	3.20E-08	1.17E-07	5.02E-08	2.29E-08	7.31E-08	4.16E-08	1.39E-08	5.55E-08
205	564378.41	4191133.42	4.67E-07	1.80E-07	6.46E-07	7.49E-08	2.81E-08	1.03E-07	4.42E-08	2.01E-08	6.43E-08	3.66E-08	1.22E-08	4.88E-08
206	564368.58	4191131.76	4.48E-07	1.72E-07	6.20E-07	7.18E-08	2.70E-08	9.88E-08	4.24E-08	1.93E-08	6.17E-08	3.51E-08	1.17E-08	4.68E-08
207	564358.75	4191130.1	4.26E-07	1.64E-07	5.90E-07	6.84E-08	2.57E-08	9.41E-08	4.04E-08	1.84E-08	5.88E-08	3.34E-08	1.11E-08	4.46E-08
208	564348.92	4191128.44	4.02E-07	1.55E-07	5.56E-07	6.45E-08	2.42E-08	8.87E-08	3.80E-08	1.73E-08	5.54E-08	3.15E-08	1.05E-08	4.20E-08
209	564388.19	4191128.66	4.56E-07	1.75E-07	6.31E-07	7.31E-08	2.75E-08	1.01E-07	4.31E-08	1.97E-08	6.28E-08	3.57E-08	1.19E-08	4.77E-08

210	564396.3	4191133.75	4.84E-07	1.86E-07	6.70E-07	7.77E-08	2.92E-08	1.07E-07	4.58E-08	2.09E-08	6.67E-08	3.80E-08	1.27E-08	5.06E-08
211	564453.1	4191169.41	6.19E-07	2.38E-07	8.57E-07	9.93E-08	3.73E-08	1.37E-07	5.86E-08	2.67E-08	8.53E-08	4.86E-08	1.62E-08	6.48E-08
212	564461.22	4191174.5	6.46E-07	2.48E-07	8.94E-07	1.04E-07	3.89E-08	1.43E-07	6.11E-08	2.79E-08	8.90E-08	5.07E-08	1.69E-08	6.75E-08
213	564469.33	4191179.6	6.80E-07	2.61E-07	9.41E-07	1.09E-07	4.10E-08	1.50E-07	6.43E-08	2.93E-08	9.37E-08	5.33E-08	1.78E-08	7.11E-08
214	564501.79	4191199.97	8.21E-07	3.16E-07	1.14E-06	1.32E-07	4.95E-08	1.81E-07	7.77E-08	3.54E-08	1.13E-07	6.44E-08	2.15E-08	8.59E-08
215	564512.03	4191214.41	9.33E-07	3.59E-07	1.29E-06	1.50E-07	5.62E-08	2.06E-07	8.83E-08	4.03E-08	1.29E-07	7.32E-08	2.44E-08	9.76E-08
216	564514.15	4191223.75	1.03E-06	3.94E-07	1.42E-06	1.64E-07	6.18E-08	2.26E-07	9.70E-08	4.42E-08	1.41E-07	8.04E-08	2.68E-08	1.07E-07
217	564516.28	4191233.09	1.12E-06	4.30E-07	1.55E-06	1.79E-07	6.74E-08	2.47E-07	1.06E-07	4.83E-08	1.54E-07	8.77E-08	2.92E-08	1.17E-07
218	564518.4	4191242.44	1.21E-06	4.65E-07	1.67E-06	1.94E-07	7.29E-08	2.67E-07	1.14E-07	5.22E-08	1.67E-07	9.49E-08	3.16E-08	1.26E-07
219	564520.53	4191251.78	1.29E-06	4.96E-07	1.79E-06	2.07E-07	7.78E-08	2.85E-07	1.22E-07	5.57E-08	1.78E-07	1.01E-07	3.37E-08	1.35E-07
220	564522.65	4191261.12	1.35E-06	5.18E-07	1.86E-06	2.16E-07	8.11E-08	2.97E-07	1.27E-07	5.81E-08	1.85E-07	1.06E-07	3.52E-08	1.41E-07
221	564524.78	4191270.46	1.36E-06	5.23E-07	1.88E-06	2.18E-07	8.20E-08	3.00E-07	1.29E-07	5.87E-08	1.87E-07	1.07E-07	3.55E-08	1.42E-07
222	564526.9	4191279.81	1.31E-06	5.05E-07	1.82E-06	2.11E-07	7.91E-08	2.90E-07	1.24E-07	5.67E-08	1.81E-07	1.03E-07	3.43E-08	1.37E-07
223	564535.4	4191317.18	7.50E-07	2.88E-07	1.04E-06	1.20E-07	4.52E-08	1.65E-07	7.10E-08	3.24E-08	1.03E-07	5.88E-08	1.96E-08	7.84E-08
224	564537.52	4191326.52	6.24E-07	2.40E-07	8.64E-07	1.00E-07	3.76E-08	1.38E-07	5.91E-08	2.69E-08	8.60E-08	4.90E-08	1.63E-08	6.53E-08
225	564539.65	4191335.86	5.31E-07	2.05E-07	7.36E-07	8.53E-08	3.20E-08	1.17E-07	5.03E-08	2.29E-08	7.33E-08	4.17E-08	1.39E-08	5.56E-08
226	564541.77	4191345.2	4.68E-07	1.80E-07	6.49E-07	7.51E-08	2.82E-08	1.03E-07	4.43E-08	2.02E-08	6.45E-08	3.67E-08	1.22E-08	4.90E-08
227	564380.07	4191123.56	4.27E-07	1.64E-07	5.92E-07	6.86E-08	2.58E-08	9.43E-08	4.05E-08	1.84E-08	5.89E-08	3.35E-08	1.12E-08	4.47E-08
228	564370.24	4191121.9	4.10E-07	1.58E-07	5.68E-07	6.58E-08	2.47E-08	9.06E-08	3.89E-08	1.77E-08	5.66E-08	3.22E-08	1.07E-08	4.29E-08
229	564360.41	4191120.24	3.91E-07	1.51E-07	5.42E-07	6.28E-08	2.36E-08	8.64E-08	3.71E-08	1.69E-08	5.40E-08	3.07E-08	1.02E-08	4.09E-08
230	564350.58	4191118.58	3.70E-07	1.43E-07	5.13E-07	5.94E-08	2.23E-08	8.17E-08	3.51E-08	1.60E-08	5.10E-08	2.91E-08	9.68E-09	3.87E-08
231	564389.76	4191118.74	4.18E-07	1.61E-07	5.78E-07	6.70E-08	2.52E-08	9.22E-08	3.95E-08	1.80E-08	5.76E-08	3.28E-08	1.09E-08	4.37E-08
232	564397.78	4191123.77	4.42E-07	1.70E-07	6.13E-07	7.10E-08	2.67E-08	9.77E-08	4.19E-08	1.91E-08	6.10E-08	3.47E-08	1.16E-08	4.63E-08
233	564453.91	4191159.01	5.56E-07	2.14E-07	7.70E-07	8.92E-08	3.35E-08	1.23E-07	5.26E-08	2.40E-08	7.66E-08	4.36E-08	1.45E-08	5.81E-08
234	564461.93	4191164.04	5.75E-07	2.21E-07	7.96E-07	9.23E-08	3.47E-08	1.27E-07	5.44E-08	2.48E-08	7.93E-08	4.51E-08	1.50E-08	6.01E-08
235	564469.95	4191169.08	6.00E-07	2.31E-07	8.31E-07	9.62E-08	3.62E-08	1.32E-07	5.68E-08	2.59E-08	8.27E-08	4.71E-08	1.57E-08	6.27E-08
236	564477.97	4191174.11	6.29E-07	2.42E-07	8.71E-07	1.01E-07	3.79E-08	1.39E-07	5.96E-08	2.72E-08	8.67E-08	4.94E-08	1.64E-08	6.58E-08
237	564485.98	4191179.15	6.61E-07	2.54E-07	9.15E-07	1.06E-07	3.98E-08	1.46E-07	6.26E-08	2.85E-08	9.11E-08	5.18E-08	1.73E-08	6.91E-08
238	564520.16	4191208.51	8.43E-07	3.25E-07	1.17E-06	1.35E-07	5.08E-08	1.86E-07	7.98E-08	3.64E-08	1.16E-07	6.62E-08	2.20E-08	8.82E-08
239	564522.26	4191217.75	9.22E-07	3.55E-07	1.28E-06	1.48E-07	5.56E-08	2.04E-07	8.73E-08	3.98E-08	1.27E-07	7.23E-08	2.41E-08	9.64E-08
240	564524.36	4191226.98	1.01E-06	3.87E-07	1.39E-06	1.61E-07	6.06E-08	2.22E-07	9.51E-08	4.34E-08	1.39E-07	7.88E-08	2.63E-08	1.05E-07
241	564526.46	4191236.21	1.08E-06	4.17E-07	1.50E-06	1.74E-07	6.53E-08	2.39E-07	1.03E-07	4.68E-08	1.49E-07	8.50E-08	2.83E-08	1.13E-07
242	564528.56	4191245.44	1.16E-06	4.45E-07	1.60E-06	1.86E-07	6.98E-08	2.55E-07	1.10E-07	5.00E-08	1.60E-07	9.08E-08	3.03E-08	1.21E-07
243	564530.66	4191254.68	1.21E-06	4.66E-07	1.68E-06	1.94E-07	7.30E-08	2.67E-07	1.15E-07	5.22E-08	1.67E-07	9.50E-08	3.16E-08	1.27E-07
244	564532.76	4191263.91	1.24E-06	4.76E-07	1.71E-06	1.99E-07	7.46E-08	2.73E-07	1.17E-07	5.34E-08	1.71E-07	9.71E-08	3.23E-08	1.29E-07
245	564534.86	4191273.14	1.22E-06	4.69E-07	1.69E-06	1.96E-07	7.35E-08	2.69E-07	1.15E-07	5.26E-08	1.68E-07	9.57E-08	3.19E-08	1.28E-07
246	564536.96	4191282.37	1.15E-06	4.42E-07	1.59E-06	1.84E-07	6.92E-08	2.54E-07	1.09E-07	4.96E-08	1.58E-07	9.01E-08	3.00E-08	1.20E-07
247	564545.36	4191319.3	6.39E-07	2.46E-07	8.84E-07	1.02E-07	3.85E-08	1.41E-07	6.05E-08	2.76E-08	8.80E-08	5.01E-08	1.67E-08	6.68E-08
248	564547.46	4191328.54	5.39E-07	2.07E-07	7.46E-07	8.65E-08	3.25E-08	1.19E-07	5.10E-08	2.33E-08	7.43E-08	4.23E-08	1.41E-08	5.64E-08
249	564549.55	4191337.77	4.67E-07	1.80E-07	6.46E-07	7.49E-08	2.81E-08	1.03E-07	4.42E-08	2.01E-08	6.43E-08	3.66E-08	1.22E-08	4.88E-08
250	564551.65	4191347	4.17E-07	1.60E-07	5.78E-07	6.69E-08	2.51E-08	9.21E-08	3.95E-08	1.80E-08	5.75E-08	3.27E-08	1.09E-08	4.36E-08
251	564381.74	4191113.7	3.93E-07	1.51E-07	5.44E-07	6.31E-08	2.37E-08	8.68E-08	3.72E-08	1.70E-08	5.42E-08	3.08E-08	1.03E-08	4.11E-08
252	564371.91	4191112.04	3.78E-07	1.45E-07	5.23E-07	6.06E-08	2.28E-08	8.34E-08	3.58E-08	1.63E-08	5.21E-08	2.97E-08	9.88E-09	3.95E-08
253	564362.08	4191110.38	3.61E-07	1.39E-07	5.00E-07	5.79E-08	2.18E-08	7.97E-08	3.42E-08	1.56E-08	4.98E-08	2.83E-08	9.43E-09	3.78E-08
254	564352.25	4191108.72	3.42E-07	1.32E-07	4.74E-07	5.49E-08	2.06E-08	7.55E-08	3.24E-08	1.48E-08	4.72E-08	2.68E-08	8.94E-09	3.58E-08
255	564391.8	4191109.12	3.86E-07	1.48E-07	5.34E-07	6.19E-08	2.33E-08	8.52E-08	3.65E-08	1.67E-08	5.32E-08	3.03E-08	1.01E-08	4.04E-08
256	564400.2	4191114.39	4.09E-07	1.57E-07	5.66E-07	6.56E-08	2.46E-08	9.02E-08	3.87E-08	1.76E-08	5.63E-08	3.21E-08	1.07E-08	4.27E-08
257	564450.61	4191146.03	4.98E-07	1.92E-07	6.89E-07	7.99E-08	3.00E-08	1.10E-07	4.71E-08	2.15E-08	6.86E-08	3.91E-08	1.30E-08	5.21E-08
258	564459.01	4191151.31	5.10E-07	1.96E-07	7.07E-07	8.19E-08	3.08E-08	1.13E-07	4.83E-08	2.20E-08	7.03E-08	4.00E-08	1.33E-08	5.34E-08
259	564467.41	4191156.58	5.27E-07	2.03E-07	7.30E-07	8.45E-08	3.18E-08	1.16E-07	4.99E-08	2.27E-08	7.26E-08	4.13E-08	1.38E-08	5.51E-08
260	564475.81	4191161.85	5.49E-07	2.11E-07	7.60E-07	8.81E-08	3.31E-08	1.21E-07	5.20E-08	2.37E-08	7.57E-08	4.31E-08	1.43E-08	5.74E-08
261	564484.21	4191167.13	5.75E-07	2.21E-07	7.97E-07	9.23E-08	3.47E-08	1.27E-07	5.45E-08	2.48E-08	7.93E-08	4.51E-08	1.50E-08	6.02E-08
262	564492.61	4191172.4	6.04E-07	2.32E-07	8.36E-07	9.69E-08	3.64E-08	1.33E-07	5.72E-08	2.61E-08	8.32E-08	4.74E-08	1.58E-08	6.32E-08
263	564501.02	4191177.68	6.33E-07	2.44E-07	8.76E-07	1.02E-07	3.81E-08	1.40E-07	5.99E-08	2.73E-08	8.72E-08	4.96E-08	1.65E-08	6.62E-08
264	564509.42	4191182.95	6.60E-07	2.54E-07	9.14E-07	1.06E-07	3.98E-08	1.46E-07	6.25E-08	2.85E-08	9.09E-08	5.18E-08	1.72E-08	6.90E-08
265	564528.42	4191203.17	7.70E-07	2.96E-07	1.07E-06	1.24E-07	4.64E-08	1.70E-07	7.29E-08	3.32E-08	1.06E-07	6.04E-08	2.01E-08	8.06E-08
266	564530.62	4191212.84	8.42E-07	3.24E-07	1.17E-06	1.35E-07	5.07E-08	1.86E-07	7.97E-08	3.63E-08	1.16E-07	6.60E-08	2.20E-08	8.80E-08
267	564532.82	4191222.51	9.18E-07	3.53E-07	1.27E-06	1.47E-07	5.53E-08	2.03E-07	8.69E-08	3.96E-08	1.27E-07	7.20E-08	2.40E-08	9.60E-08
268	564535.02	4191232.18	9.93E-07	3.82E-07	1.37E-06	1.59E-07	5.98E-08	2.19E-07	9.40E-08	4.29E-08	1.37E-07	7.79E-08	2.59E-08	1.04E-07
269	564537.22	4191241.86	1.06E-06	4.08E-07	1.47E-06	1.70E-07	6.40E-08	2.34E-07	1.00E-07	4.58E-08	1.46E-07	8.33E-08	2.77E-08	1.11E-07
270	564539.42	4191251.53	1.11E-06	4.28E-07	1.54E-06	1.78E-07	6.71E-08	2.46E-07	1.05E-07	4.80E-08	1.53E-07	8.73E-08	2.91E-08	1.16E-07
271	564541.61	4191261.2	1.14E-06	4.37E-07	1.57E-06	1.82E-07	6.85E-08	2.51E-07	1.08E-07	4.90E-08	1.57E-07	8.91E-08	2.97E-08	1.19E-07
272	564543.81	4191270.87	1.11E-06	4.29E-07	1.54E-06	1.79E-07	6.72E-08	2.46E-07	1.06E-07	4.81E-08	1.54E-07	8.75E-08	2.91E-08	1.17E-07
273	564546.01	4191280.55	1.04E-06	4.02E-07	1.45E-06	1.68E-07	6.30E-08	2.31E-07	9.89E-08	4.51E-08	1.44E-07	8.19E-08	2.73E-08	1.09E-07
274	564548.21	4191290.22	9.36E-07	3.60E-07	1.30E-06	1.50E-07	5.64E-08	2.07E-07	8.86E-08	4.04E-08	1.29E-07	7.34E-08	2.45E-08	9.79E-08
275	564554.81	4191319.23	5.72E-07	2.20E-07	7.92E-07	9.17E-08	3.45E-08	1.26E-07	5.41E-08	2.47E-08	7.88E-08	4.49E-08	1.49E-08	5.98E-08
276	564557.01	4191328.91	4.83E-07	1.86E-07	6.69E-07	7.75E-08	2.91E-08	1.07E-07	4.57E-08	2.08E-08	6.65E-08	3.79E-08	1.26E-08	5.05E-08
277	564559.21	4191338.58	4.19E-07	1.61E-07	5.80E-07	6.72E-08	2.53E-08	9.25E-08	3.97E-08	1.81E-08	5.77E-08	3.29E-08	1.09E-08	4.38E-08
278	564383.4	4191103.84	3.63E-07	1.40E-07	5.03E-07	5.83E-08	2.19E-08	8.02E-08	3.44E-08	1.57E-08	5.01E-08	2.85E-08	9.49E-09	3.80E-08
279	564373.57	4191102.18	3.50E-07	1.35E-07	4.84E-07	5.61E-08	2.11E-08	7.72E-08	3.31E-08	1.51E-08	4.82E-08	2.74E-08	9.14E-09	3.66E-08
280	564363.74	4191100.52	3.35E-07	1.29E-07	4.64E-07	5.37E-08	2.02E-08	7.39E-08	3.17E-08	1.45E-08	4.62E-08	2.63E-08	8.75E-09	3.50E-08

281	564353.91	4191098.86	3.18E-07	1.23E-07	4.41E-07	5.11E-08	1.92E-08	7.03E-08	3.02E-08	1.37E-08	4.39E-08	2.50E-08	8.32E-09	3.33E-08
282	564393.36	4191099.19	3.56E-07	1.37E-07	4.94E-07	5.72E-08	2.15E-08	7.87E-08	3.37E-08	1.54E-08	4.91E-08	2.80E-08	9.32E-09	3.73E-08
283	564401.66	4191104.4	3.76E-07	1.45E-07	5.21E-07	6.04E-08	2.27E-08	8.30E-08	3.56E-08	1.62E-08	5.19E-08	2.95E-08	9.83E-09	3.94E-08
284	564451.43	4191135.64	4.56E-07	1.75E-07	6.31E-07	7.31E-08	2.75E-08	1.01E-07	4.31E-08	1.97E-08	6.28E-08	3.57E-08	1.19E-08	4.76E-08
285	564459.72	4191140.85	4.64E-07	1.79E-07	6.43E-07	7.45E-08	2.80E-08	1.03E-07	4.40E-08	2.00E-08	6.40E-08	3.64E-08	1.21E-08	4.86E-08
286	564468.02	4191146.05	4.76E-07	1.83E-07	6.59E-07	7.64E-08	2.87E-08	1.05E-07	4.51E-08	2.05E-08	6.56E-08	3.73E-08	1.24E-08	4.98E-08
287	564476.31	4191151.26	4.92E-07	1.89E-07	6.81E-07	7.89E-08	2.96E-08	1.09E-07	4.65E-08	2.12E-08	6.78E-08	3.86E-08	1.28E-08	5.14E-08
288	564484.61	4191156.47	5.12E-07	1.97E-07	7.09E-07	8.21E-08	3.08E-08	1.13E-07	4.84E-08	2.21E-08	7.05E-08	4.01E-08	1.34E-08	5.35E-08
289	564492.9	4191161.68	5.35E-07	2.06E-07	7.41E-07	8.58E-08	3.22E-08	1.18E-07	5.06E-08	2.31E-08	7.37E-08	4.20E-08	1.40E-08	5.60E-08
290	564501.2	4191166.88	5.60E-07	2.15E-07	7.75E-07	8.98E-08	3.37E-08	1.24E-07	5.30E-08	2.42E-08	7.72E-08	4.39E-08	1.46E-08	5.85E-08
291	564509.49	4191172.09	5.84E-07	2.25E-07	8.09E-07	9.38E-08	3.52E-08	1.29E-07	5.53E-08	2.52E-08	8.06E-08	4.59E-08	1.53E-08	6.11E-08
292	564517.78	4191177.3	6.07E-07	2.34E-07	8.41E-07	9.74E-08	3.66E-08	1.34E-07	5.75E-08	2.62E-08	8.37E-08	4.77E-08	1.59E-08	6.35E-08
293	564526.08	4191182.5	6.27E-07	2.41E-07	8.69E-07	1.01E-07	3.78E-08	1.38E-07	5.94E-08	2.71E-08	8.65E-08	4.92E-08	1.64E-08	6.56E-08
294	564538.72	4191206.81	7.64E-07	2.94E-07	1.06E-06	1.23E-07	4.60E-08	1.69E-07	7.23E-08	3.30E-08	1.05E-07	5.99E-08	2.00E-08	7.99E-08
295	564540.89	4191216.36	8.29E-07	3.19E-07	1.15E-06	1.33E-07	5.00E-08	1.83E-07	7.85E-08	3.58E-08	1.14E-07	6.51E-08	2.17E-08	8.67E-08
296	564543.06	4191225.91	8.97E-07	3.45E-07	1.24E-06	1.44E-07	5.41E-08	1.98E-07	8.49E-08	3.87E-08	1.24E-07	7.04E-08	2.34E-08	9.38E-08
297	564545.23	4191235.46	9.60E-07	3.69E-07	1.33E-06	1.54E-07	5.79E-08	2.12E-07	9.09E-08	4.14E-08	1.32E-07	7.53E-08	2.51E-08	1.00E-07
298	564547.41	4191245.01	1.01E-06	3.89E-07	1.40E-06	1.62E-07	6.10E-08	2.23E-07	9.58E-08	4.37E-08	1.39E-07	7.94E-08	2.64E-08	1.06E-07
299	564549.58	4191254.56	1.04E-06	4.01E-07	1.44E-06	1.67E-07	6.29E-08	2.30E-07	9.87E-08	4.50E-08	1.44E-07	8.18E-08	2.73E-08	1.09E-07
300	564551.75	4191264.11	1.04E-06	4.00E-07	1.44E-06	1.67E-07	6.27E-08	2.29E-07	9.84E-08	4.49E-08	1.43E-07	8.16E-08	2.72E-08	1.09E-07
301	564553.92	4191273.66	9.94E-07	3.83E-07	1.38E-06	1.59E-07	5.99E-08	2.19E-07	9.41E-08	4.29E-08	1.37E-07	7.80E-08	2.60E-08	1.04E-07
302	564556.09	4191283.21	9.10E-07	3.50E-07	1.26E-06	1.46E-07	5.49E-08	2.01E-07	8.62E-08	3.93E-08	1.25E-07	7.14E-08	2.38E-08	9.52E-08
303	564564.78	4191321.41	4.95E-07	1.90E-07	6.85E-07	7.94E-08	2.98E-08	1.09E-07	4.68E-08	2.14E-08	6.82E-08	3.88E-08	1.29E-08	5.17E-08
304	564385.07	4191093.98	3.37E-07	1.30E-07	4.66E-07	5.40E-08	2.03E-08	7.43E-08	3.19E-08	1.45E-08	4.64E-08	2.64E-08	8.80E-09	3.52E-08
305	564375.24	4191092.32	3.25E-07	1.25E-07	4.50E-07	5.22E-08	1.96E-08	7.17E-08	3.08E-08	1.40E-08	4.48E-08	2.55E-08	8.50E-09	3.40E-08
306	564365.41	4191090.66	3.12E-07	1.20E-07	4.32E-07	5.01E-08	1.88E-08	6.89E-08	2.96E-08	1.35E-08	4.30E-08	2.45E-08	8.16E-09	3.26E-08
307	564355.58	4191089	2.98E-07	1.15E-07	4.12E-07	4.78E-08	1.80E-08	6.57E-08	2.82E-08	1.29E-08	4.10E-08	2.34E-08	7.78E-09	3.11E-08
308	564394.93	4191089.27	3.30E-07	1.27E-07	4.57E-07	5.30E-08	1.99E-08	7.29E-08	3.13E-08	1.43E-08	4.55E-08	2.59E-08	8.63E-09	3.45E-08
309	564403.13	4191094.42	3.48E-07	1.34E-07	4.81E-07	5.58E-08	2.10E-08	7.67E-08	3.29E-08	1.50E-08	4.79E-08	2.73E-08	9.09E-09	3.64E-08
310	564452.33	4191125.3	4.19E-07	1.61E-07	5.81E-07	6.73E-08	2.53E-08	9.25E-08	3.97E-08	1.81E-08	5.78E-08	3.29E-08	1.10E-08	4.39E-08
311	564460.53	4191130.45	4.26E-07	1.64E-07	5.90E-07	6.83E-08	2.57E-08	9.40E-08	4.03E-08	1.84E-08	5.87E-08	3.34E-08	1.11E-08	4.45E-08
312	564468.73	4191135.6	4.34E-07	1.67E-07	6.01E-07	6.96E-08	2.62E-08	9.58E-08	4.11E-08	1.87E-08	5.98E-08	3.40E-08	1.13E-08	4.54E-08
313	564476.93	4191140.74	4.45E-07	1.71E-07	6.16E-07	7.14E-08	2.68E-08	9.82E-08	4.21E-08	1.92E-08	6.13E-08	3.49E-08	1.16E-08	4.65E-08
314	564485.13	4191145.89	4.60E-07	1.77E-07	6.36E-07	7.37E-08	2.77E-08	1.01E-07	4.35E-08	1.98E-08	6.34E-08	3.61E-08	1.20E-08	4.81E-08
315	564493.33	4191151.04	4.78E-07	1.84E-07	6.62E-07	7.67E-08	2.88E-08	1.05E-07	4.52E-08	2.06E-08	6.59E-08	3.75E-08	1.25E-08	5.00E-08
316	564501.53	4191156.19	4.98E-07	1.92E-07	6.90E-07	8.00E-08	3.00E-08	1.10E-07	4.72E-08	2.15E-08	6.87E-08	3.91E-08	1.30E-08	5.21E-08
317	564509.73	4191161.34	5.20E-07	2.00E-07	7.21E-07	8.35E-08	3.14E-08	1.15E-07	4.93E-08	2.25E-08	7.17E-08	4.08E-08	1.36E-08	5.44E-08
318	564517.93	4191166.48	5.41E-07	2.08E-07	7.49E-07	8.68E-08	3.26E-08	1.19E-07	5.12E-08	2.34E-08	7.46E-08	4.25E-08	1.41E-08	5.66E-08
319	564526.13	4191171.63	5.61E-07	2.16E-07	7.76E-07	8.99E-08	3.38E-08	1.24E-07	5.31E-08	2.42E-08	7.73E-08	4.40E-08	1.47E-08	5.86E-08
320	564534.33	4191176.78	5.78E-07	2.22E-07	8.00E-07	9.27E-08	3.48E-08	1.28E-07	5.47E-08	2.49E-08	7.96E-08	4.53E-08	1.51E-08	6.04E-08
321	564548.97	4191210.25	7.53E-07	2.90E-07	1.04E-06	1.21E-07	4.54E-08	1.66E-07	7.12E-08	3.25E-08	1.04E-07	5.90E-08	1.97E-08	7.87E-08
322	564551.12	4191219.69	8.10E-07	3.12E-07	1.12E-06	1.30E-07	4.88E-08	1.79E-07	7.67E-08	3.50E-08	1.12E-07	6.36E-08	2.12E-08	8.47E-08
323	564553.27	4191229.13	8.69E-07	3.34E-07	1.20E-06	1.39E-07	5.24E-08	1.92E-07	8.22E-08	3.75E-08	1.20E-07	6.82E-08	2.27E-08	9.09E-08
324	564555.41	4191238.57	9.20E-07	3.54E-07	1.27E-06	1.48E-07	5.55E-08	2.03E-07	8.71E-08	3.97E-08	1.27E-07	7.22E-08	2.40E-08	9.62E-08
325	564557.56	4191248.01	9.56E-07	3.68E-07	1.32E-06	1.53E-07	5.76E-08	2.11E-07	9.05E-08	4.13E-08	1.32E-07	7.50E-08	2.50E-08	1.00E-07
326	564559.71	4191257.45	9.67E-07	3.72E-07	1.34E-06	1.55E-07	5.83E-08	2.13E-07	9.16E-08	4.18E-08	1.33E-07	7.59E-08	2.53E-08	1.01E-07
327	564561.85	4191266.89	9.41E-07	3.62E-07	1.30E-06	1.51E-07	5.67E-08	2.08E-07	8.91E-08	4.06E-08	1.30E-07	7.38E-08	2.46E-08	9.84E-08
328	564564	4191276.33	8.79E-07	3.38E-07	1.22E-06	1.41E-07	5.30E-08	1.94E-07	8.32E-08	3.80E-08	1.21E-07	6.90E-08	2.30E-08	9.20E-08
329	564566.15	4191285.77	7.92E-07	3.05E-07	1.10E-06	1.27E-07	4.77E-08	1.75E-07	7.50E-08	3.42E-08	1.09E-07	6.21E-08	2.07E-08	8.28E-08
330	564386.73	4191084.12	3.13E-07	1.21E-07	4.34E-07	5.02E-08	1.89E-08	6.91E-08	2.96E-08	1.35E-08	4.32E-08	2.46E-08	8.18E-09	3.28E-08
331	564376.9	4191082.46	3.03E-07	1.17E-07	4.20E-07	4.86E-08	1.83E-08	6.69E-08	2.87E-08	1.31E-08	4.18E-08	2.38E-08	7.92E-09	3.17E-08
332	564367.07	4191080.8	2.92E-07	1.12E-07	4.04E-07	4.68E-08	1.76E-08	6.44E-08	2.76E-08	1.26E-08	4.02E-08	2.29E-08	7.62E-09	3.05E-08
333	564357.24	4191079.14	2.79E-07	1.07E-07	3.87E-07	4.48E-08	1.68E-08	6.16E-08	2.64E-08	1.20E-08	3.85E-08	2.19E-08	7.30E-09	2.92E-08
334	564404.63	4191084.45	3.22E-07	1.24E-07	4.46E-07	5.17E-08	1.94E-08	7.11E-08	3.05E-08	1.39E-08	4.44E-08	2.53E-08	8.42E-09	3.37E-08
335	564453.31	4191115.01	3.88E-07	1.49E-07	5.37E-07	6.22E-08	2.34E-08	8.56E-08	3.67E-08	1.67E-08	5.34E-08	3.04E-08	1.01E-08	4.05E-08
336	564461.43	4191120.11	3.93E-07	1.51E-07	5.44E-07	6.30E-08	2.37E-08	8.67E-08	3.72E-08	1.70E-08	5.42E-08	3.08E-08	1.03E-08	4.11E-08
337	564469.54	4191125.2	3.99E-07	1.53E-07	5.52E-07	6.40E-08	2.40E-08	8.80E-08	3.77E-08	1.72E-08	5.50E-08	3.13E-08	1.04E-08	4.17E-08
338	564477.66	4191130.29	4.06E-07	1.56E-07	5.63E-07	6.52E-08	2.45E-08	8.97E-08	3.85E-08	1.75E-08	5.60E-08	3.19E-08	1.06E-08	4.25E-08
339	564485.77	4191135.39	4.17E-07	1.60E-07	5.77E-07	6.69E-08	2.51E-08	9.20E-08	3.95E-08	1.80E-08	5.75E-08	3.27E-08	1.09E-08	4.36E-08
340	564493.89	4191140.48	4.30E-07	1.66E-07	5.96E-07	6.91E-08	2.59E-08	9.50E-08	4.08E-08	1.86E-08	5.93E-08	3.38E-08	1.13E-08	4.50E-08
341	564502	4191145.58	4.47E-07	1.72E-07	6.19E-07	7.17E-08	2.69E-08	9.86E-08	4.23E-08	1.93E-08	6.16E-08	3.51E-08	1.17E-08	4.67E-08
342	564510.12	4191150.67	4.66E-07	1.79E-07	6.45E-07	7.48E-08	2.81E-08	1.03E-07	4.41E-08	2.01E-08	6.42E-08	3.66E-08	1.22E-08	4.87E-08
343	564518.23	4191155.76	4.85E-07	1.87E-07	6.72E-07	7.78E-08	2.92E-08	1.07E-07	4.59E-08	2.09E-08	6.69E-08	3.81E-08	1.27E-08	5.07E-08
344	564526.34	4191160.86	5.03E-07	1.94E-07	6.97E-07	8.07E-08	3.03E-08	1.11E-07	4.76E-08	2.17E-08	6.94E-08	3.95E-08	1.32E-08	5.26E-08
345	564534.46	4191165.95	5.19E-07	2.00E-07	7.19E-07	8.33E-08	3.13E-08	1.15E-07	4.91E-08	2.24E-08	7.15E-08	4.07E-08	1.36E-08	5.43E-08
346	564542.57	4191171.05	5.34E-07	2.05E-07	7.39E-07	8.56E-08	3.22E-08	1.18E-07	5.05E-08	2.30E-08	7.36E-08	4.19E-08	1.39E-08	5.58E-08
347	564552.81	4191185.48	5.87E-07	2.26E-07	8.13E-07	9.41E-08	3.54E-08	1.30E-07	5.56E-08	2.53E-08	8.09E-08	4.60E-08	1.53E-08	6.14E-08
348	564559.19	4191213.51	7.36E-07	2.83E-07	1.02E-06	1.18E-07	4.44E-08	1.62E-07	6.97E-08	3.18E-08	1.01E-07	5.77E-08	1.92E-08	7.70E-08
349	564561.31	4191222.85	7.88E-07	3.03E-07	1.09E-06	1.26E-07	4.75E-08	1.74E-07	7.46E-08	3.40E-08	1.09E-07	6.18E-08	2.06E-08	8.24E-08
350	564563.44	4191232.2	8.37E-07	3.22E-07	1.16E-06	1.34E-07	5.04E-08	1.85E-07	7.92E-08	3.61E-08	1.15E-07	6.56E-08	2.19E-08	8.75E-08
351	564565.56	4191241.54	8.75E-07	3.37E-07	1.21E-06	1.40E-07	5.27E-08	1.93E-07	8.28E-08	3.78E-08	1.21E-07	6.86E-08	2.29E-08	9.15E-08

352	564567.68	4191250.88	8.93E-07	3.44E-07	1.24E-06	1.43E-07	5.39E-08	1.97E-07	8.46E-08	3.86E-08	1.23E-07	7.01E-08	2.34E-08	9.34E-08
353	564569.81	4191260.22	8.84E-07	3.40E-07	1.22E-06	1.42E-07	5.33E-08	1.95E-07	8.37E-08	3.82E-08	1.22E-07	6.93E-08	2.31E-08	9.24E-08
354	564571.93	4191269.56	8.43E-07	3.24E-07	1.17E-06	1.35E-07	5.08E-08	1.86E-07	7.98E-08	3.64E-08	1.16E-07	6.61E-08	2.20E-08	8.81E-08
355	564588.93	4191344.3	3.05E-07	1.18E-07	4.23E-07	4.90E-08	1.84E-08	6.74E-08	2.89E-08	1.32E-08	4.21E-08	2.40E-08	7.98E-09	3.19E-08
356	564591.05	4191353.65	2.83E-07	1.09E-07	3.92E-07	4.54E-08	1.70E-08	6.24E-08	2.68E-08	1.22E-08	3.90E-08	2.22E-08	7.39E-09	2.96E-08
357	564457.58	4191106.78	3.62E-07	1.39E-07	5.01E-07	5.80E-08	2.18E-08	7.98E-08	3.42E-08	1.56E-08	4.98E-08	2.84E-08	9.45E-09	3.78E-08
358	564466.01	4191112.08	3.66E-07	1.41E-07	5.07E-07	5.87E-08	2.21E-08	8.08E-08	3.47E-08	1.58E-08	5.05E-08	2.87E-08	9.57E-09	3.83E-08
359	564474.45	4191117.38	3.71E-07	1.43E-07	5.14E-07	5.95E-08	2.24E-08	8.19E-08	3.51E-08	1.60E-08	5.12E-08	2.91E-08	9.70E-09	3.88E-08
360	564482.89	4191122.68	3.78E-07	1.46E-07	5.24E-07	6.07E-08	2.28E-08	8.35E-08	3.58E-08	1.63E-08	5.21E-08	2.97E-08	9.89E-09	3.96E-08
361	564491.33	4191127.97	3.88E-07	1.49E-07	5.37E-07	6.22E-08	2.34E-08	8.56E-08	3.67E-08	1.67E-08	5.34E-08	3.04E-08	1.01E-08	4.06E-08
362	564499.77	4191133.27	4.00E-07	1.54E-07	5.53E-07	6.41E-08	2.41E-08	8.82E-08	3.78E-08	1.73E-08	5.51E-08	3.14E-08	1.04E-08	4.18E-08
363	564508.21	4191138.57	4.15E-07	1.60E-07	5.75E-07	6.66E-08	2.50E-08	9.16E-08	3.93E-08	1.79E-08	5.72E-08	3.26E-08	1.08E-08	4.34E-08
364	564516.65	4191143.87	4.33E-07	1.67E-07	6.00E-07	6.95E-08	2.61E-08	9.56E-08	4.10E-08	1.87E-08	5.97E-08	3.40E-08	1.13E-08	4.53E-08
365	564525.09	4191149.16	4.51E-07	1.73E-07	6.24E-07	7.23E-08	2.72E-08	9.95E-08	4.27E-08	1.95E-08	6.21E-08	3.54E-08	1.18E-08	4.71E-08
366	564533.53	4191154.46	4.68E-07	1.80E-07	6.47E-07	7.50E-08	2.82E-08	1.03E-07	4.43E-08	2.02E-08	6.44E-08	3.67E-08	1.22E-08	4.89E-08
367	564541.97	4191159.76	4.82E-07	1.85E-07	6.67E-07	7.73E-08	2.90E-08	1.06E-07	4.56E-08	2.08E-08	6.64E-08	3.78E-08	1.26E-08	5.04E-08
368	564550.41	4191165.06	4.94E-07	1.90E-07	6.84E-07	7.92E-08	2.98E-08	1.09E-07	4.68E-08	2.13E-08	6.81E-08	3.88E-08	1.29E-08	5.17E-08
369	564561.05	4191180.07	5.42E-07	2.09E-07	7.51E-07	8.70E-08	3.27E-08	1.20E-07	5.14E-08	2.34E-08	7.48E-08	4.26E-08	1.42E-08	5.67E-08
370	564563.26	4191189.79	5.86E-07	2.26E-07	8.12E-07	9.41E-08	3.53E-08	1.29E-07	5.55E-08	2.53E-08	8.08E-08	4.60E-08	1.53E-08	6.13E-08
371	564569.89	4191218.94	7.29E-07	2.80E-07	1.01E-06	1.17E-07	4.39E-08	1.61E-07	6.90E-08	3.15E-08	1.00E-07	5.72E-08	1.91E-08	7.62E-08
372	564572.1	4191228.65	7.74E-07	2.98E-07	1.07E-06	1.24E-07	4.66E-08	1.71E-07	7.32E-08	3.34E-08	1.07E-07	6.07E-08	2.02E-08	8.09E-08
373	564574.31	4191238.37	8.09E-07	3.11E-07	1.12E-06	1.30E-07	4.87E-08	1.78E-07	7.66E-08	3.49E-08	1.11E-07	6.34E-08	2.11E-08	8.46E-08
374	564576.52	4191248.08	8.25E-07	3.18E-07	1.14E-06	1.32E-07	4.98E-08	1.82E-07	7.81E-08	3.56E-08	1.14E-07	6.48E-08	2.16E-08	8.63E-08
375	564594.2	4191325.81	3.49E-07	1.34E-07	4.83E-07	5.60E-08	2.10E-08	7.70E-08	3.30E-08	1.51E-08	4.81E-08	2.74E-08	9.12E-09	3.65E-08
376	564596.41	4191335.53	3.09E-07	1.19E-07	4.27E-07	4.95E-08	1.86E-08	6.81E-08	2.92E-08	1.33E-08	4.25E-08	2.42E-08	8.07E-09	3.23E-08
377	564598.62	4191345.25	2.80E-07	1.08E-07	3.88E-07	4.49E-08	1.69E-08	6.18E-08	2.65E-08	1.21E-08	3.86E-08	2.20E-08	7.32E-09	2.93E-08
378	564600.83	4191354.96	2.59E-07	9.99E-08	3.59E-07	4.16E-08	1.56E-08	5.73E-08	2.46E-08	1.12E-08	3.58E-08	2.04E-08	6.78E-09	2.71E-08
379	564370.4	4191061.08	2.57E-07	9.87E-08	3.55E-07	4.12E-08	1.55E-08	5.66E-08	2.43E-08	1.11E-08	3.54E-08	2.01E-08	6.71E-09	2.68E-08
380	564360.57	4191059.42	2.47E-07	9.50E-08	3.42E-07	3.96E-08	1.49E-08	5.45E-08	2.34E-08	1.07E-08	3.40E-08	1.94E-08	6.45E-09	2.58E-08
381	564400.07	4191059.78	2.68E-07	1.03E-07	3.71E-07	4.29E-08	1.61E-08	5.91E-08	2.53E-08	1.16E-08	3.69E-08	2.10E-08	7.00E-09	2.80E-08
382	564408.42	4191065.02	2.80E-07	1.08E-07	3.88E-07	4.50E-08	1.69E-08	6.19E-08	2.65E-08	1.21E-08	3.87E-08	2.20E-08	7.33E-09	2.93E-08
383	564458.5	4191096.46	3.38E-07	1.30E-07	4.68E-07	5.42E-08	2.04E-08	7.45E-08	3.20E-08	1.46E-08	4.66E-08	2.65E-08	8.83E-09	3.53E-08
384	564466.85	4191101.7	3.41E-07	1.31E-07	4.72E-07	5.47E-08	2.06E-08	7.53E-08	3.23E-08	1.47E-08	4.70E-08	2.68E-08	8.92E-09	3.57E-08
385	564475.19	4191106.94	3.44E-07	1.33E-07	4.77E-07	5.53E-08	2.08E-08	7.60E-08	3.26E-08	1.49E-08	4.75E-08	2.70E-08	9.00E-09	3.60E-08
386	564483.54	4191112.17	3.50E-07	1.35E-07	4.84E-07	5.61E-08	2.11E-08	7.72E-08	3.31E-08	1.51E-08	4.82E-08	2.74E-08	9.14E-09	3.66E-08
387	564491.88	4191117.41	3.57E-07	1.37E-07	4.94E-07	5.72E-08	2.15E-08	7.88E-08	3.38E-08	1.54E-08	4.92E-08	2.80E-08	9.33E-09	3.73E-08
388	564500.23	4191122.65	3.66E-07	1.41E-07	5.07E-07	5.87E-08	2.21E-08	8.08E-08	3.46E-08	1.58E-08	5.04E-08	2.87E-08	9.57E-09	3.83E-08
389	564508.58	4191127.89	3.78E-07	1.45E-07	5.23E-07	6.06E-08	2.28E-08	8.33E-08	3.57E-08	1.63E-08	5.20E-08	2.96E-08	9.87E-09	3.95E-08
390	564516.92	4191133.13	3.92E-07	1.51E-07	5.43E-07	6.29E-08	2.36E-08	8.65E-08	3.71E-08	1.69E-08	5.40E-08	3.07E-08	1.02E-08	4.10E-08
391	564525.27	4191138.37	4.08E-07	1.57E-07	5.65E-07	6.54E-08	2.46E-08	9.00E-08	3.86E-08	1.76E-08	5.62E-08	3.20E-08	1.07E-08	4.27E-08
392	564533.62	4191143.61	4.24E-07	1.63E-07	5.87E-07	6.80E-08	2.55E-08	9.35E-08	4.01E-08	1.83E-08	5.84E-08	3.32E-08	1.11E-08	4.43E-08
393	564541.96	4191148.85	4.37E-07	1.68E-07	6.05E-07	7.01E-08	2.64E-08	9.65E-08	4.14E-08	1.89E-08	6.03E-08	3.43E-08	1.14E-08	4.57E-08
394	564550.31	4191154.09	4.49E-07	1.73E-07	6.22E-07	7.21E-08	2.71E-08	9.92E-08	4.26E-08	1.94E-08	6.20E-08	3.53E-08	1.17E-08	4.70E-08
395	564558.65	4191159.33	4.56E-07	1.75E-07	6.31E-07	7.31E-08	2.75E-08	1.01E-07	4.32E-08	1.97E-08	6.28E-08	3.58E-08	1.19E-08	4.77E-08
396	564569.19	4191174.18	5.02E-07	1.93E-07	6.95E-07	8.06E-08	3.03E-08	1.11E-07	4.75E-08	2.17E-08	6.92E-08	3.94E-08	1.31E-08	5.25E-08
397	564571.37	4191183.79	5.41E-07	2.08E-07	7.49E-07	8.67E-08	3.26E-08	1.19E-07	5.12E-08	2.33E-08	7.45E-08	4.24E-08	1.41E-08	5.66E-08
398	564573.56	4191193.4	5.81E-07	2.23E-07	8.04E-07	9.31E-08	3.50E-08	1.28E-07	5.50E-08	2.51E-08	8.00E-08	4.55E-08	1.52E-08	6.07E-08
399	564577.93	4191212.62	6.65E-07	2.56E-07	9.21E-07	1.07E-07	4.01E-08	1.47E-07	6.30E-08	2.87E-08	9.17E-08	5.22E-08	1.74E-08	6.96E-08
400	564580.11	4191222.23	7.06E-07	2.72E-07	9.78E-07	1.13E-07	4.26E-08	1.56E-07	6.68E-08	3.05E-08	9.73E-08	5.54E-08	1.85E-08	7.39E-08
401	564591.04	4191270.27	6.95E-07	2.67E-07	9.63E-07	1.12E-07	4.19E-08	1.53E-07	6.58E-08	3.00E-08	9.58E-08	5.45E-08	1.82E-08	7.27E-08
402	564593.22	4191279.88	6.32E-07	2.43E-07	8.76E-07	1.01E-07	3.81E-08	1.40E-07	5.99E-08	2.73E-08	8.72E-08	4.96E-08	1.65E-08	6.61E-08
403	564595.41	4191289.49	5.58E-07	2.15E-07	7.73E-07	8.96E-08	3.37E-08	1.23E-07	5.28E-08	2.41E-08	7.69E-08	4.38E-08	1.46E-08	5.84E-08
404	564597.6	4191299.1	4.82E-07	1.85E-07	6.67E-07	7.73E-08	2.90E-08	1.06E-07	4.56E-08	2.08E-08	6.64E-08	3.78E-08	1.26E-08	5.04E-08
405	564604.15	4191327.93	3.11E-07	1.20E-07	4.31E-07	4.99E-08	1.88E-08	6.87E-08	2.95E-08	1.34E-08	4.29E-08	2.44E-08	8.14E-09	3.26E-08
406	564606.34	4191337.54	2.79E-07	1.07E-07	3.86E-07	4.47E-08	1.68E-08	6.15E-08	2.64E-08	1.20E-08	3.84E-08	2.19E-08	7.28E-09	2.91E-08
407	564391.73	4191054.54	2.56E-07	9.83E-08	3.54E-07	4.10E-08	1.54E-08	5.64E-08	2.42E-08	1.10E-08	3.52E-08	2.01E-08	6.68E-09	2.67E-08
408	564381.9	4191052.88	2.49E-07	9.58E-08	3.45E-07	4.00E-08	1.50E-08	5.50E-08	2.36E-08	1.08E-08	3.43E-08	1.95E-08	6.51E-09	2.61E-08
409	564372.07	4191051.22	2.41E-07	9.29E-08	3.34E-07	3.87E-08	1.46E-08	5.33E-08	2.29E-08	1.04E-08	3.33E-08	1.89E-08	6.31E-09	2.53E-08
410	564362.24	4191049.56	2.33E-07	8.96E-08	3.22E-07	3.73E-08	1.40E-08	5.14E-08	2.20E-08	1.00E-08	3.21E-08	1.83E-08	6.08E-09	2.43E-08
411	564401.66	4191049.87	2.50E-07	9.64E-08	3.47E-07	4.02E-08	1.51E-08	5.53E-08	2.37E-08	1.08E-08	3.45E-08	1.96E-08	6.55E-09	2.62E-08
412	564467.75	4191091.36	3.19E-07	1.23E-07	4.42E-07	5.13E-08	1.93E-08	7.05E-08	3.02E-08	1.38E-08	4.40E-08	2.51E-08	8.35E-09	3.34E-08
413	564476.01	4191096.55	3.22E-07	1.24E-07	4.46E-07	5.17E-08	1.94E-08	7.11E-08	3.05E-08	1.39E-08	4.44E-08	2.53E-08	8.42E-09	3.37E-08
414	564484.28	4191101.73	3.26E-07	1.25E-07	4.51E-07	5.22E-08	1.96E-08	7.19E-08	3.08E-08	1.41E-08	4.49E-08	2.56E-08	8.51E-09	3.41E-08
415	564492.54	4191106.92	3.31E-07	1.27E-07	4.58E-07	5.31E-08	1.99E-08	7.30E-08	3.13E-08	1.43E-08	4.56E-08	2.60E-08	8.65E-09	3.46E-08
416	564500.8	4191112.11	3.38E-07	1.30E-07	4.68E-07	5.42E-08	2.04E-08	7.45E-08	3.20E-08	1.46E-08	4.66E-08	2.65E-08	8.83E-09	3.53E-08
417	564509.06	4191117.29	3.46E-07	1.33E-07	4.80E-07	5.56E-08	2.09E-08	7.64E-08	3.28E-08	1.49E-08	4.77E-08	2.72E-08	9.05E-09	3.62E-08
418	564517.32	4191122.48	3.57E-07	1.37E-07	4.95E-07	5.73E-08	2.15E-08	7.88E-08	3.38E-08	1.54E-08	4.92E-08	2.80E-08	9.34E-09	3.74E-08
419	564525.59	4191127.67	3.70E-07	1.42E-07	5.13E-07	5.94E-08	2.23E-08	8.17E-08	3.50E-08	1.60E-08	5.10E-08	2.90E-08	9.68E-09	3.87E-08
420	564533.85	4191132.85	3.85E-07	1.48E-07	5.32E-07	6.17E-08	2.32E-08	8.49E-08	3.64E-08	1.66E-08	5.30E-08	3.02E-08	1.01E-08	4.02E-08
421	564542.11	4191138.04	3.98E-07	1.53E-07	5.51E-07	6.38E-08	2.40E-08	8.78E-08	3.76E-08	1.72E-08	5.48E-08	3.12E-08	1.04E-08	4.16E-08
422	564550.37	4191143.23	4.10E-07	1.58E-07	5.67E-07	6.57E-08	2.47E-08	9.04E-08	3.88E-08	1.77E-08	5.64E-08	3.21E-08	1.07E-08	4.28E-08

423	564558.63	4191148.41	4.20E-07	1.62E-07	5.82E-07	6.74E-08	2.53E-08	9.27E-08	3.98E-08	1.81E-08	5.79E-08	3.30E-08	1.10E-08	4.39E-08
424	564566.9	4191153.6	4.26E-07	1.64E-07	5.90E-07	6.84E-08	2.57E-08	9.40E-08	4.03E-08	1.84E-08	5.87E-08	3.34E-08	1.11E-08	4.46E-08
425	564577.32	4191168.3	4.67E-07	1.80E-07	6.47E-07	7.50E-08	2.82E-08	1.03E-07	4.43E-08	2.02E-08	6.44E-08	3.67E-08	1.22E-08	4.89E-08
426	564579.48	4191177.81	5.01E-07	1.93E-07	6.94E-07	8.04E-08	3.02E-08	1.11E-07	4.74E-08	2.16E-08	6.91E-08	3.93E-08	1.31E-08	5.24E-08
427	564581.65	4191187.32	5.36E-07	2.06E-07	7.42E-07	8.59E-08	3.23E-08	1.18E-07	5.07E-08	2.31E-08	7.38E-08	4.20E-08	1.40E-08	5.60E-08
428	564596.79	4191253.91	6.99E-07	2.69E-07	9.68E-07	1.12E-07	4.21E-08	1.54E-07	6.62E-08	3.02E-08	9.64E-08	5.48E-08	1.83E-08	7.31E-08
429	564598.95	4191263.42	6.67E-07	2.57E-07	9.24E-07	1.07E-07	4.02E-08	1.47E-07	6.32E-08	2.88E-08	9.20E-08	5.24E-08	1.74E-08	6.98E-08
430	564601.12	4191272.93	6.18E-07	2.38E-07	8.55E-07	9.91E-08	3.72E-08	1.36E-07	5.85E-08	2.67E-08	8.51E-08	4.84E-08	1.61E-08	6.46E-08
431	564603.28	4191282.44	5.56E-07	2.14E-07	7.70E-07	8.92E-08	3.35E-08	1.23E-07	5.26E-08	2.40E-08	7.66E-08	4.36E-08	1.45E-08	5.81E-08
432	564605.44	4191291.96	4.88E-07	1.88E-07	6.75E-07	7.82E-08	2.94E-08	1.08E-07	4.62E-08	2.10E-08	6.72E-08	3.82E-08	1.27E-08	5.10E-08
433	564607.61	4191301.47	4.21E-07	1.62E-07	5.83E-07	6.76E-08	2.54E-08	9.30E-08	3.99E-08	1.82E-08	5.81E-08	3.30E-08	1.10E-08	4.41E-08
434	564393.39	4191044.68	2.40E-07	9.23E-08	3.32E-07	3.85E-08	1.45E-08	5.29E-08	2.27E-08	1.03E-08	3.30E-08	1.88E-08	6.27E-09	2.51E-08
435	564383.56	4191043.02	2.34E-07	9.01E-08	3.24E-07	3.76E-08	1.41E-08	5.17E-08	2.22E-08	1.01E-08	3.23E-08	1.84E-08	6.12E-09	2.45E-08
436	564373.73	4191041.36	2.27E-07	8.74E-08	3.15E-07	3.64E-08	1.37E-08	5.01E-08	2.15E-08	9.81E-09	3.13E-08	1.78E-08	5.94E-09	2.38E-08
437	564363.9	4191039.7	2.19E-07	8.44E-08	3.04E-07	3.52E-08	1.32E-08	4.84E-08	2.08E-08	9.47E-09	3.02E-08	1.72E-08	5.73E-09	2.29E-08
438	564403.24	4191039.96	2.35E-07	9.04E-08	3.25E-07	3.77E-08	1.42E-08	5.18E-08	2.22E-08	1.01E-08	3.24E-08	1.84E-08	6.14E-09	2.46E-08
439	564493.28	4191096.48	3.08E-07	1.19E-07	4.27E-07	4.94E-08	1.86E-08	6.80E-08	2.92E-08	1.33E-08	4.25E-08	2.42E-08	8.05E-09	3.22E-08
440	564501.46	4191101.62	3.13E-07	1.21E-07	4.34E-07	5.02E-08	1.89E-08	6.91E-08	2.96E-08	1.35E-08	4.32E-08	2.46E-08	8.19E-09	3.28E-08
441	564509.65	4191106.76	3.20E-07	1.23E-07	4.43E-07	5.13E-08	1.93E-08	7.06E-08	3.03E-08	1.38E-08	4.41E-08	2.51E-08	8.36E-09	3.34E-08
442	564517.83	4191111.89	3.28E-07	1.26E-07	4.54E-07	5.26E-08	1.97E-08	7.23E-08	3.10E-08	1.41E-08	4.52E-08	2.57E-08	8.56E-09	3.43E-08
443	564526.02	4191117.03	3.38E-07	1.30E-07	4.68E-07	5.42E-08	2.04E-08	7.45E-08	3.20E-08	1.46E-08	4.65E-08	2.65E-08	8.83E-09	3.53E-08
444	564534.2	4191122.17	3.49E-07	1.34E-07	4.84E-07	5.60E-08	2.11E-08	7.71E-08	3.31E-08	1.51E-08	4.82E-08	2.74E-08	9.13E-09	3.65E-08
445	564542.39	4191127.31	3.61E-07	1.39E-07	5.00E-07	5.79E-08	2.18E-08	7.97E-08	3.42E-08	1.56E-08	4.98E-08	2.83E-08	9.44E-09	3.78E-08
446	564550.57	4191132.45	3.73E-07	1.44E-07	5.17E-07	5.99E-08	2.25E-08	8.23E-08	3.53E-08	1.61E-08	5.14E-08	2.93E-08	9.75E-09	3.90E-08
447	564558.76	4191137.59	3.84E-07	1.48E-07	5.32E-07	6.16E-08	2.32E-08	8.48E-08	3.64E-08	1.66E-08	5.30E-08	3.01E-08	1.00E-08	4.02E-08
448	564566.94	4191142.72	3.94E-07	1.52E-07	5.45E-07	6.32E-08	2.37E-08	8.69E-08	3.73E-08	1.70E-08	5.43E-08	3.09E-08	1.03E-08	4.12E-08
449	564575.13	4191147.86	3.99E-07	1.54E-07	5.53E-07	6.40E-08	2.41E-08	8.81E-08	3.78E-08	1.72E-08	5.50E-08	3.13E-08	1.04E-08	4.17E-08
450	564585.46	4191162.42	4.37E-07	1.68E-07	6.05E-07	7.00E-08	2.63E-08	9.64E-08	4.13E-08	1.88E-08	6.02E-08	3.42E-08	1.14E-08	4.57E-08
451	564600.46	4191228.39	6.48E-07	2.49E-07	8.97E-07	1.04E-07	3.90E-08	1.43E-07	6.13E-08	2.80E-08	8.93E-08	5.08E-08	1.69E-08	6.77E-08
452	564602.6	4191237.81	6.60E-07	2.54E-07	9.14E-07	1.06E-07	3.98E-08	1.46E-07	6.25E-08	2.85E-08	9.10E-08	5.18E-08	1.73E-08	6.90E-08
453	564604.75	4191247.24	6.57E-07	2.53E-07	9.10E-07	1.05E-07	3.96E-08	1.45E-07	6.22E-08	2.84E-08	9.05E-08	5.15E-08	1.72E-08	6.87E-08
454	564606.89	4191256.66	6.36E-07	2.45E-07	8.81E-07	1.02E-07	3.83E-08	1.40E-07	6.02E-08	2.75E-08	8.77E-08	4.99E-08	1.66E-08	6.65E-08
455	564609.03	4191266.08	5.98E-07	2.30E-07	8.29E-07	9.60E-08	3.61E-08	1.32E-07	5.66E-08	2.58E-08	8.25E-08	4.69E-08	1.56E-08	6.26E-08
456	564611.17	4191275.51	5.47E-07	2.11E-07	7.58E-07	8.78E-08	3.30E-08	1.21E-07	5.18E-08	2.36E-08	7.54E-08	4.29E-08	1.43E-08	5.73E-08
457	564613.32	4191284.93	4.89E-07	1.88E-07	6.77E-07	7.85E-08	2.95E-08	1.08E-07	4.63E-08	2.11E-08	6.74E-08	3.84E-08	1.28E-08	5.12E-08
458	564615.46	4191294.35	4.28E-07	1.65E-07	5.92E-07	6.86E-08	2.58E-08	9.44E-08	4.05E-08	1.85E-08	5.89E-08	3.36E-08	1.12E-08	4.47E-08
459	564617.6	4191303.78	3.71E-07	1.43E-07	5.13E-07	5.95E-08	2.23E-08	8.18E-08	3.51E-08	1.60E-08	5.11E-08	2.91E-08	9.69E-09	3.88E-08
460	564626.18	4191341.47	2.31E-07	8.88E-08	3.20E-07	3.70E-08	1.39E-08	5.09E-08	2.18E-08	9.96E-09	3.18E-08	1.81E-08	6.03E-09	2.41E-08
461	564628.32	4191350.9	2.14E-07	8.25E-08	2.97E-07	3.44E-08	1.29E-08	4.73E-08	2.03E-08	9.26E-09	2.96E-08	1.68E-08	5.60E-09	2.24E-08
462	564630.46	4191360.32	2.03E-07	7.80E-08	2.81E-07	3.25E-08	1.22E-08	4.47E-08	1.92E-08	8.75E-09	2.79E-08	1.59E-08	5.30E-09	2.12E-08
463	564395.06	4191034.82	2.25E-07	8.67E-08	3.12E-07	3.61E-08	1.36E-08	4.97E-08	2.13E-08	9.72E-09	3.10E-08	1.77E-08	5.89E-09	2.36E-08
464	564385.23	4191033.16	2.20E-07	8.47E-08	3.05E-07	3.53E-08	1.33E-08	4.86E-08	2.08E-08	9.50E-09	3.03E-08	1.73E-08	5.75E-09	2.30E-08
465	564375.4	4191031.5	2.14E-07	8.23E-08	2.96E-07	3.43E-08	1.29E-08	4.72E-08	2.02E-08	9.23E-09	2.95E-08	1.68E-08	5.59E-09	2.24E-08
466	564365.57	4191029.84	2.07E-07	7.95E-08	2.86E-07	3.32E-08	1.25E-08	4.56E-08	1.96E-08	8.92E-09	2.85E-08	1.62E-08	5.40E-09	2.16E-08
467	564404.84	4191030.05	2.21E-07	8.50E-08	3.06E-07	3.54E-08	1.33E-08	4.88E-08	2.09E-08	9.54E-09	3.04E-08	1.73E-08	5.77E-09	2.31E-08
468	564453.53	4191060.62	2.73E-07	1.05E-07	3.78E-07	4.37E-08	1.64E-08	6.02E-08	2.58E-08	1.18E-08	3.76E-08	2.14E-08	7.13E-09	2.85E-08
469	564461.64	4191065.71	2.78E-07	1.07E-07	3.85E-07	4.46E-08	1.67E-08	6.13E-08	2.63E-08	1.20E-08	3.83E-08	2.18E-08	7.26E-09	2.91E-08
470	564469.75	4191070.8	2.82E-07	1.08E-07	3.90E-07	4.52E-08	1.70E-08	6.22E-08	2.67E-08	1.22E-08	3.88E-08	2.21E-08	7.36E-09	2.95E-08
471	564477.87	4191075.9	2.84E-07	1.09E-07	3.94E-07	4.56E-08	1.71E-08	6.27E-08	2.69E-08	1.23E-08	3.92E-08	2.23E-08	7.43E-09	2.97E-08
472	564518.44	4191101.37	3.02E-07	1.16E-07	4.18E-07	4.85E-08	1.82E-08	6.67E-08	2.86E-08	1.30E-08	4.16E-08	2.37E-08	7.90E-09	3.16E-08
473	564526.56	4191106.46	3.10E-07	1.19E-07	4.29E-07	4.97E-08	1.87E-08	6.84E-08	2.93E-08	1.34E-08	4.27E-08	2.43E-08	8.10E-09	3.24E-08
474	564534.67	4191111.56	3.19E-07	1.23E-07	4.42E-07	5.12E-08	1.92E-08	7.05E-08	3.02E-08	1.38E-08	4.40E-08	2.50E-08	8.34E-09	3.34E-08
475	564542.78	4191116.65	3.29E-07	1.27E-07	4.56E-07	5.28E-08	1.99E-08	7.27E-08	3.12E-08	1.42E-08	4.54E-08	2.58E-08	8.61E-09	3.44E-08
476	564550.9	4191121.75	3.40E-07	1.31E-07	4.71E-07	5.45E-08	2.05E-08	7.50E-08	3.22E-08	1.47E-08	4.68E-08	2.67E-08	8.88E-09	3.55E-08
477	564559.01	4191126.84	3.50E-07	1.35E-07	4.85E-07	5.62E-08	2.11E-08	7.73E-08	3.32E-08	1.51E-08	4.83E-08	2.75E-08	9.16E-09	3.66E-08
478	564567.13	4191131.93	3.60E-07	1.39E-07	4.99E-07	5.78E-08	2.17E-08	7.95E-08	3.41E-08	1.56E-08	4.97E-08	2.83E-08	9.42E-09	3.77E-08
479	564575.24	4191137.03	3.69E-07	1.42E-07	5.11E-07	5.93E-08	2.23E-08	8.15E-08	3.50E-08	1.59E-08	5.09E-08	2.90E-08	9.65E-09	3.86E-08
480	564583.36	4191142.12	3.74E-07	1.44E-07	5.18E-07	6.00E-08	2.25E-08	8.25E-08	3.54E-08	1.61E-08	5.15E-08	2.93E-08	9.77E-09	3.91E-08
481	564608.47	4191221.95	5.98E-07	2.30E-07	8.28E-07	9.60E-08	3.61E-08	1.32E-07	5.66E-08	2.58E-08	8.24E-08	4.69E-08	1.56E-08	6.26E-08
482	564610.59	4191231.3	6.13E-07	2.36E-07	8.49E-07	9.84E-08	3.70E-08	1.35E-07	5.80E-08	2.65E-08	8.45E-08	4.81E-08	1.60E-08	6.41E-08
483	564612.72	4191240.64	6.16E-07	2.37E-07	8.53E-07	9.88E-08	3.71E-08	1.36E-07	5.83E-08	2.66E-08	8.49E-08	4.83E-08	1.61E-08	6.44E-08
484	564614.84	4191249.98	6.03E-07	2.32E-07	8.36E-07	9.68E-08	3.64E-08	1.33E-07	5.71E-08	2.60E-08	8.32E-08	4.73E-08	1.58E-08	6.31E-08
485	564616.97	4191259.32	5.76E-07	2.22E-07	7.97E-07	9.24E-08	3.47E-08	1.27E-07	5.45E-08	2.49E-08	7.94E-08	4.52E-08	1.50E-08	6.02E-08
486	564619.09	4191268.67	5.35E-07	2.06E-07	7.41E-07	8.58E-08	3.22E-08	1.18E-07	5.06E-08	2.31E-08	7.37E-08	4.20E-08	1.40E-08	5.59E-08
487	564621.22	4191278.01	4.85E-07	1.87E-07	6.72E-07	7.78E-08	2.92E-08	1.07E-07	4.59E-08	2.09E-08	6.68E-08	3.80E-08	1.27E-08	5.07E-08
488	564623.34	4191287.35	4.31E-07	1.66E-07	5.97E-07	6.92E-08	2.60E-08	9.52E-08	4.08E-08	1.86E-08	5.94E-08	3.38E-08	1.13E-08	4.51E-08
489	564625.46	4191296.69	3.77E-07	1.45E-07	5.22E-07	6.05E-08	2.27E-08	8.32E-08	3.57E-08	1.63E-08	5.20E-08	2.96E-08	9.86E-09	3.94E-08
490	564627.59	4191306.04	3.29E-07	1.26E-07	4.55E-07	5.27E-08	1.98E-08	7.25E-08	3.11E-08	1.42E-08	4.53E-08	2.58E-08	8.59E-09	3.44E-08
491	564633.96	4191334.06	2.30E-07	8.87E-08	3.19E-07	3.70E-08	1.39E-08	5.09E-08	2.18E-08	9.95E-09	3.18E-08	1.81E-08	6.02E-09	2.41E-08
492	564636.09	4191343.41	2.12E-07	8.14E-08	2.93E-07	3.39E-08	1.28E-08	4.67E-08	2.00E-08	9.13E-09	2.92E-08	1.66E-08	5.53E-09	2.21E-08
493	564638.21	4191352.75	1.98E-07	7.61E-08	2.74E-07	3.17E-08	1.19E-08	4.36E-08	1.87E-08	8.53E-09	2.73E-08	1.55E-08	5.17E-09	2.07E-08

494	564640.34	4191362.09	1.88E-07	7.23E-08	2.60E-07	3.01E-08	1.13E-08	4.14E-08	1.78E-08	8.11E-09	2.59E-08	1.47E-08	4.91E-09	1.96E-08
495	564396.72	4191024.96	2.12E-07	8.16E-08	2.94E-07	3.40E-08	1.28E-08	4.68E-08	2.01E-08	9.16E-09	2.92E-08	1.66E-08	5.54E-09	2.22E-08
496	564386.89	4191023.3	2.07E-07	7.97E-08	2.87E-07	3.32E-08	1.25E-08	4.57E-08	1.96E-08	8.94E-09	2.86E-08	1.63E-08	5.42E-09	2.17E-08
497	564377.06	4191021.64	2.02E-07	7.76E-08	2.79E-07	3.23E-08	1.22E-08	4.45E-08	1.91E-08	8.70E-09	2.78E-08	1.58E-08	5.27E-09	2.11E-08
498	564367.23	4191019.98	1.95E-07	7.51E-08	2.70E-07	3.13E-08	1.18E-08	4.31E-08	1.85E-08	8.43E-09	2.69E-08	1.53E-08	5.10E-09	2.04E-08
499	564406.77	4191020.36	2.09E-07	8.03E-08	2.89E-07	3.35E-08	1.26E-08	4.60E-08	1.97E-08	9.00E-09	2.88E-08	1.64E-08	5.45E-09	2.18E-08
500	564457.08	4191051.94	2.57E-07	9.90E-08	3.56E-07	4.13E-08	1.55E-08	5.68E-08	2.44E-08	1.11E-08	3.55E-08	2.02E-08	6.72E-09	2.69E-08
501	564465.47	4191057.21	2.62E-07	1.01E-07	3.63E-07	4.21E-08	1.58E-08	5.79E-08	2.48E-08	1.13E-08	3.61E-08	2.06E-08	6.85E-09	2.74E-08
502	564473.85	4191062.47	2.66E-07	1.02E-07	3.68E-07	4.26E-08	1.60E-08	5.86E-08	2.52E-08	1.15E-08	3.66E-08	2.08E-08	6.94E-09	2.78E-08
503	564482.24	4191067.74	2.68E-07	1.03E-07	3.71E-07	4.30E-08	1.62E-08	5.92E-08	2.54E-08	1.16E-08	3.70E-08	2.10E-08	7.01E-09	2.80E-08
504	564490.62	4191073	2.70E-07	1.04E-07	3.74E-07	4.33E-08	1.63E-08	5.96E-08	2.55E-08	1.16E-08	3.72E-08	2.12E-08	7.05E-09	2.82E-08
505	564499.01	4191078.26	2.72E-07	1.05E-07	3.76E-07	4.36E-08	1.64E-08	5.99E-08	2.57E-08	1.17E-08	3.74E-08	2.13E-08	7.10E-09	2.84E-08
506	564507.39	4191083.53	2.74E-07	1.06E-07	3.80E-07	4.40E-08	1.65E-08	6.05E-08	2.60E-08	1.18E-08	3.78E-08	2.15E-08	7.17E-09	2.87E-08
507	564549.32	4191109.85	3.08E-07	1.19E-07	4.27E-07	4.95E-08	1.86E-08	6.81E-08	2.92E-08	1.33E-08	4.25E-08	2.42E-08	8.06E-09	3.23E-08
508	564557.7	4191115.11	3.18E-07	1.22E-07	4.41E-07	5.10E-08	1.92E-08	7.02E-08	3.01E-08	1.37E-08	4.39E-08	2.50E-08	8.32E-09	3.33E-08
509	564566.09	4191120.37	3.28E-07	1.26E-07	4.54E-07	5.26E-08	1.98E-08	7.24E-08	3.10E-08	1.42E-08	4.52E-08	2.57E-08	8.57E-09	3.43E-08
510	564574.47	4191125.64	3.37E-07	1.30E-07	4.67E-07	5.41E-08	2.03E-08	7.44E-08	3.19E-08	1.46E-08	4.65E-08	2.65E-08	8.81E-09	3.53E-08
511	564582.86	4191130.9	3.42E-07	1.32E-07	4.74E-07	5.49E-08	2.06E-08	7.55E-08	3.24E-08	1.48E-08	4.72E-08	2.68E-08	8.94E-09	3.58E-08
512	564591.24	4191136.17	3.50E-07	1.35E-07	4.84E-07	5.61E-08	2.11E-08	7.72E-08	3.31E-08	1.51E-08	4.82E-08	2.74E-08	9.14E-09	3.66E-08
513	564608.41	4191180.05	4.59E-07	1.77E-07	6.35E-07	7.36E-08	2.77E-08	1.01E-07	4.34E-08	1.98E-08	6.32E-08	3.60E-08	1.20E-08	4.80E-08
514	564610.61	4191189.7	4.85E-07	1.87E-07	6.71E-07	7.78E-08	2.92E-08	1.07E-07	4.59E-08	2.09E-08	6.68E-08	3.80E-08	1.27E-08	5.07E-08
515	564612.8	4191199.35	5.11E-07	1.97E-07	7.08E-07	8.20E-08	3.08E-08	1.13E-07	4.84E-08	2.21E-08	7.04E-08	4.01E-08	1.34E-08	5.35E-08
516	564617.19	4191218.66	5.59E-07	2.15E-07	7.75E-07	8.98E-08	3.37E-08	1.23E-07	5.30E-08	2.42E-08	7.71E-08	4.39E-08	1.46E-08	5.85E-08
517	564619.39	4191228.31	5.73E-07	2.21E-07	7.94E-07	9.19E-08	3.45E-08	1.26E-07	5.43E-08	2.47E-08	7.90E-08	4.50E-08	1.50E-08	5.99E-08
518	564621.58	4191237.97	5.75E-07	2.21E-07	7.97E-07	9.23E-08	3.47E-08	1.27E-07	5.45E-08	2.48E-08	7.93E-08	4.51E-08	1.50E-08	6.02E-08
519	564623.78	4191247.62	5.63E-07	2.17E-07	7.80E-07	9.03E-08	3.39E-08	1.24E-07	5.33E-08	2.43E-08	7.76E-08	4.42E-08	1.47E-08	5.89E-08
520	564625.97	4191257.28	5.37E-07	2.06E-07	7.43E-07	8.61E-08	3.23E-08	1.18E-07	5.08E-08	2.32E-08	7.40E-08	4.21E-08	1.40E-08	5.61E-08
521	564628.17	4191266.93	4.98E-07	1.91E-07	6.89E-07	7.98E-08	3.00E-08	1.10E-07	4.71E-08	2.15E-08	6.86E-08	3.90E-08	1.30E-08	5.20E-08
522	564630.36	4191276.58	4.50E-07	1.73E-07	6.24E-07	7.23E-08	2.72E-08	9.94E-08	4.26E-08	1.94E-08	6.21E-08	3.53E-08	1.18E-08	4.71E-08
523	564632.56	4191286.24	4.00E-07	1.54E-07	5.54E-07	6.42E-08	2.41E-08	8.83E-08	3.79E-08	1.73E-08	5.51E-08	3.14E-08	1.05E-08	4.18E-08
524	564634.75	4191295.89	3.50E-07	1.35E-07	4.84E-07	5.61E-08	2.11E-08	7.72E-08	3.31E-08	1.51E-08	4.82E-08	2.74E-08	9.14E-09	3.66E-08
525	564636.95	4191305.54	3.05E-07	1.17E-07	4.23E-07	4.89E-08	1.84E-08	6.73E-08	2.89E-08	1.32E-08	4.21E-08	2.39E-08	7.97E-09	3.19E-08
526	564643.54	4191334.51	2.14E-07	8.23E-08	2.96E-07	3.43E-08	1.29E-08	4.72E-08	2.03E-08	9.23E-09	2.95E-08	1.68E-08	5.59E-09	2.24E-08
527	564645.73	4191344.16	1.97E-07	7.56E-08	2.72E-07	3.15E-08	1.18E-08	4.34E-08	1.86E-08	8.48E-09	2.71E-08	1.54E-08	5.14E-09	2.06E-08
528	564647.93	4191353.81	1.84E-07	7.07E-08	2.55E-07	2.95E-08	1.11E-08	4.06E-08	1.74E-08	7.93E-09	2.53E-08	1.44E-08	4.80E-09	1.92E-08
529	564650.12	4191363.47	1.75E-07	6.73E-08	2.42E-07	2.81E-08	1.05E-08	3.86E-08	1.66E-08	7.55E-09	2.41E-08	1.37E-08	4.57E-09	1.83E-08
530	564398.39	4191015.1	2.00E-07	7.71E-08	2.77E-07	3.21E-08	1.21E-08	4.42E-08	1.90E-08	8.64E-09	2.76E-08	1.57E-08	5.23E-09	2.09E-08
531	564388.56	4191013.44	1.96E-07	7.53E-08	2.71E-07	3.14E-08	1.18E-08	4.32E-08	1.85E-08	8.45E-09	2.70E-08	1.54E-08	5.12E-09	2.05E-08
532	564378.73	4191011.78	1.91E-07	7.34E-08	2.64E-07	3.06E-08	1.15E-08	4.21E-08	1.81E-08	8.23E-09	2.63E-08	1.50E-08	4.99E-09	2.00E-08
533	564368.9	4191010.12	1.85E-07	7.12E-08	2.56E-07	2.97E-08	1.12E-08	4.09E-08	1.75E-08	7.99E-09	2.55E-08	1.45E-08	4.84E-09	1.94E-08
534	564307.42	4191314.1	3.05E-06	1.17E-06	4.22E-06	4.89E-07	1.84E-07	6.73E-07	2.88E-07	1.32E-07	4.20E-07	2.39E-07	7.96E-08	3.19E-07
535	564304.66	4191330.27	5.22E-06	2.01E-06	7.23E-06	8.37E-07	3.15E-07	1.15E-06	4.94E-07	2.25E-07	7.19E-07	4.09E-07	1.36E-07	5.46E-07
536	564301.89	4191346.44	7.49E-06	2.88E-06	1.04E-05	1.20E-06	4.52E-07	1.65E-06	7.10E-07	3.24E-07	1.03E-06	5.88E-07	1.96E-07	7.84E-07
537	564301.64	4191305.95	1.97E-06	7.58E-07	2.73E-06	3.16E-07	1.19E-07	4.35E-07	1.87E-07	8.51E-08	2.72E-07	1.55E-07	5.15E-08	2.06E-07
538	564296.18	4191320.5	2.53E-06	9.75E-07	3.51E-06	4.06E-07	1.53E-07	5.59E-07	2.40E-07	1.09E-07	3.49E-07	1.99E-07	6.62E-08	2.65E-07
539	564293.41	4191336.67	3.66E-06	1.41E-06	5.07E-06	5.88E-07	2.21E-07	8.08E-07	3.47E-07	1.58E-07	5.05E-07	2.87E-07	9.57E-08	3.83E-07
540	564290.65	4191352.84	4.43E-06	1.70E-06	6.13E-06	7.11E-07	2.67E-07	9.78E-07	4.19E-07	1.91E-07	6.10E-07	3.47E-07	1.16E-07	4.63E-07
541	564291.78	4191304.26	1.40E-06	5.37E-07	1.93E-06	2.24E-07	8.41E-08	3.08E-07	1.32E-07	6.02E-08	1.92E-07	1.09E-07	3.65E-08	1.46E-07
542	564307.37	4191289.62	1.68E-06	6.45E-07	2.32E-06	2.69E-07	1.01E-07	3.70E-07	1.59E-07	7.24E-08	2.31E-07	1.32E-07	4.38E-08	1.75E-07
543	564286.33	4191318.81	1.71E-06	6.57E-07	2.36E-06	2.74E-07	1.03E-07	3.77E-07	1.62E-07	7.37E-08	2.35E-07	1.34E-07	4.46E-08	1.79E-07
544	564283.56	4191334.98	2.24E-06	8.62E-07	3.10E-06	3.59E-07	1.35E-07	4.94E-07	2.12E-07	9.67E-08	3.09E-07	1.76E-07	5.86E-08	2.34E-07
545	564281.92	4191302.57	1.04E-06	4.01E-07	1.44E-06	1.67E-07	6.29E-08	2.30E-07	9.88E-08	4.50E-08	1.44E-07	8.19E-08	2.73E-08	1.09E-07
546	564290.07	4191289.63	9.51E-07	3.66E-07	1.32E-06	1.53E-07	5.73E-08	2.10E-07	9.00E-08	4.10E-08	1.31E-07	7.46E-08	2.48E-08	9.94E-08
547	564301.59	4191281.46	1.17E-06	4.51E-07	1.62E-06	1.88E-07	7.07E-08	2.59E-07	1.11E-07	5.06E-08	1.62E-07	9.20E-08	3.06E-08	1.23E-07
548	564276.47	4191317.12	1.22E-06	4.69E-07	1.69E-06	1.96E-07	7.35E-08	2.69E-07	1.15E-07	5.26E-08	1.68E-07	9.56E-08	3.19E-08	1.27E-07
549	564273.7	4191333.29	1.50E-06	5.77E-07	2.08E-06	2.40E-07	9.04E-08	3.31E-07	1.42E-07	6.47E-08	2.07E-07	1.18E-07	3.92E-08	1.57E-07
550	564272.07	4191300.88	8.14E-07	3.13E-07	1.13E-06	1.31E-07	4.90E-08	1.80E-07	7.70E-08	3.51E-08	1.12E-07	6.38E-08	2.13E-08	8.51E-08
551	564280.21	4191287.95	7.44E-07	2.86E-07	1.03E-06	1.19E-07	4.49E-08	1.64E-07	7.04E-08	3.21E-08	1.03E-07	5.84E-08	1.94E-08	7.78E-08
552	564295.8	4191273.3	8.62E-07	3.32E-07	1.19E-06	1.38E-07	5.19E-08	1.90E-07	8.16E-08	3.72E-08	1.19E-07	6.76E-08	2.25E-08	9.01E-08
553	564310.7	4191269.9	1.38E-06	5.33E-07	1.92E-06	2.22E-07	8.34E-08	3.05E-07	1.31E-07	5.97E-08	1.91E-07	1.09E-07	3.62E-08	1.45E-07
554	564266.61	4191315.44	9.12E-07	3.51E-07	1.26E-06	1.46E-07	5.50E-08	2.01E-07	8.63E-08	3.94E-08	1.26E-07	7.16E-08	2.38E-08	9.54E-08
555	564263.85	4191331.6	1.07E-06	4.13E-07	1.48E-06	1.72E-07	6.46E-08	2.37E-07	1.02E-07	4.63E-08	1.48E-07	8.41E-08	2.80E-08	1.12E-07
556	564262.21	4191299.2	6.52E-07	2.51E-07	9.03E-07	1.05E-07	3.93E-08	1.44E-07	6.17E-08	2.82E-08	8.99E-08	5.12E-08	1.70E-08	6.82E-08
557	564270.35	4191286.26	6.07E-07	2.34E-07	8.40E-07	9.74E-08	3.66E-08	1.34E-07	5.75E-08	2.62E-08	8.36E-08	4.76E-08	1.59E-08	6.35E-08
558	564278.49	4191273.32	5.61E-07	2.16E-07	7.76E-07	9.00E-08	3.38E-08	1.24E-07	5.31E-08	2.42E-08	7.73E-08	4.40E-08	1.47E-08	5.86E-08
559	564256.76	4191313.75	7.08E-07	2.72E-07	9.80E-07	1.14E-07	4.27E-08	1.56E-07	6.70E-08	3.06E-08	9.76E-08	5.55E-08	1.85E-08	7.40E-08
560	564253.99	4191329.92	8.05E-07	3.10E-07	1.12E-06	1.29E-07	4.85E-08	1.78E-07	7.62E-08	3.48E-08	1.11E-07	6.32E-08	2.10E-08	8.42E-08
561	564252.35	4191297.51	5.32E-07	2.05E-07	7.36E-07	8.53E-08	3.21E-08	1.17E-07	5.03E-08	2.30E-08	7.33E-08	4.17E-08	1.39E-08	5.56E-08
562	564260.5	4191284.57	5.05E-07	1.94E-07	7.00E-07	8.11E-08	3.05E-08	1.12E-07	4.78E-08	2.18E-08	6.97E-08	3.96E-08	1.32E-08	5.29E-08
563	564268.64	4191271.63	4.62E-07	1.78E-07	6.40E-07	7.41E-08	2.79E-08	1.02E-07	4.38E-08	2.00E-08	6.37E-08	3.63E-08	1.21E-08	4.83E-08
564	564314.03	4191250.18	1.14E-06	4.38E-07	1.58E-06	1.83E-07	6.86E-08	2.51E-07	1.08E-07	4.91E-08	1.57E-07	8.93E-08	2.97E-08	1.19E-07

565	564246.9	4191312.06	5.65E-07	2.17E-07	7.82E-07	9.06E-08	3.40E-08	1.25E-07	5.35E-08	2.44E-08	7.78E-08	4.43E-08	1.48E-08	5.91E-08
566	564244.13	4191328.23	6.27E-07	2.41E-07	8.68E-07	1.01E-07	3.78E-08	1.38E-07	5.94E-08	2.71E-08	8.64E-08	4.92E-08	1.64E-08	6.56E-08
567	564242.5	4191295.82	4.42E-07	1.70E-07	6.12E-07	7.08E-08	2.66E-08	9.75E-08	4.18E-08	1.91E-08	6.09E-08	3.46E-08	1.15E-08	4.62E-08
568	564250.64	4191282.88	4.26E-07	1.64E-07	5.90E-07	6.83E-08	2.57E-08	9.40E-08	4.03E-08	1.84E-08	5.87E-08	3.34E-08	1.11E-08	4.45E-08
569	564258.78	4191269.95	3.92E-07	1.51E-07	5.43E-07	6.29E-08	2.37E-08	8.66E-08	3.71E-08	1.69E-08	5.41E-08	3.08E-08	1.03E-08	4.10E-08
570	564278.45	4191248.84	4.20E-07	1.61E-07	5.81E-07	6.73E-08	2.53E-08	9.26E-08	3.97E-08	1.81E-08	5.78E-08	3.29E-08	1.10E-08	4.39E-08
571	564293.35	4191245.43	5.96E-07	2.29E-07	8.25E-07	9.56E-08	3.59E-08	1.32E-07	5.64E-08	2.57E-08	8.21E-08	4.67E-08	1.56E-08	6.23E-08
572	564308.25	4191242.02	8.71E-07	3.35E-07	1.21E-06	1.40E-07	5.25E-08	1.92E-07	8.25E-08	3.76E-08	1.20E-07	6.84E-08	2.28E-08	9.11E-08
573	564237.04	4191310.37	4.61E-07	1.77E-07	6.38E-07	7.39E-08	2.78E-08	1.02E-07	4.36E-08	1.99E-08	6.35E-08	3.62E-08	1.20E-08	4.82E-08
574	564234.28	4191326.54	5.02E-07	1.93E-07	6.96E-07	8.06E-08	3.03E-08	1.11E-07	4.76E-08	2.17E-08	6.93E-08	3.94E-08	1.31E-08	5.25E-08
575	564232.64	4191294.13	3.72E-07	1.43E-07	5.15E-07	5.97E-08	2.24E-08	8.21E-08	3.52E-08	1.61E-08	5.13E-08	2.92E-08	9.73E-09	3.89E-08
576	564240.78	4191281.2	3.64E-07	1.40E-07	5.04E-07	5.84E-08	2.19E-08	8.03E-08	3.44E-08	1.57E-08	5.01E-08	2.85E-08	9.51E-09	3.81E-08
577	564248.93	4191268.26	3.39E-07	1.31E-07	4.70E-07	5.44E-08	2.05E-08	7.49E-08	3.21E-08	1.47E-08	4.68E-08	2.66E-08	8.87E-09	3.55E-08
578	564272.66	4191240.68	3.47E-07	1.33E-07	4.80E-07	5.56E-08	2.09E-08	7.65E-08	3.28E-08	1.50E-08	4.78E-08	2.72E-08	9.06E-09	3.63E-08
579	564287.56	4191237.27	4.76E-07	1.83E-07	6.59E-07	7.63E-08	2.87E-08	1.05E-07	4.50E-08	2.05E-08	6.56E-08	3.73E-08	1.24E-08	4.98E-08
580	564302.46	4191233.86	6.83E-07	2.63E-07	9.46E-07	1.10E-07	4.12E-08	1.51E-07	6.46E-08	2.95E-08	9.41E-08	5.36E-08	1.78E-08	7.14E-08
581	564317.36	4191230.45	9.28E-07	3.57E-07	1.29E-06	1.49E-07	5.60E-08	2.05E-07	8.79E-08	4.01E-08	1.28E-07	7.28E-08	2.43E-08	9.71E-08
582	564227.19	4191308.69	3.83E-07	1.48E-07	5.31E-07	6.15E-08	2.31E-08	8.46E-08	3.63E-08	1.65E-08	5.28E-08	3.01E-08	1.00E-08	4.01E-08
583	564224.42	4191324.85	4.12E-07	1.58E-07	5.70E-07	6.61E-08	2.48E-08	9.09E-08	3.90E-08	1.78E-08	5.68E-08	3.23E-08	1.08E-08	4.31E-08
584	564222.78	4191292.45	3.18E-07	1.22E-07	4.40E-07	5.10E-08	1.92E-08	7.01E-08	3.01E-08	1.37E-08	4.38E-08	2.49E-08	8.30E-09	3.32E-08
585	564230.93	4191279.51	3.14E-07	1.21E-07	4.35E-07	5.04E-08	1.90E-08	6.94E-08	2.98E-08	1.36E-08	4.33E-08	2.47E-08	8.22E-09	3.29E-08
586	564239.07	4191266.57	2.97E-07	1.14E-07	4.12E-07	4.77E-08	1.79E-08	6.56E-08	2.81E-08	1.28E-08	4.10E-08	2.33E-08	7.77E-09	3.11E-08
587	564255.35	4191240.7	2.63E-07	1.01E-07	3.64E-07	4.22E-08	1.59E-08	5.81E-08	2.49E-08	1.14E-08	3.63E-08	2.06E-08	6.88E-09	2.75E-08
588	564266.87	4191232.52	2.92E-07	1.12E-07	4.04E-07	4.68E-08	1.76E-08	6.44E-08	2.76E-08	1.26E-08	4.02E-08	2.29E-08	7.62E-09	3.05E-08
589	564281.78	4191229.11	3.88E-07	1.49E-07	5.38E-07	6.23E-08	2.34E-08	8.57E-08	3.68E-08	1.68E-08	5.35E-08	3.05E-08	1.01E-08	4.06E-08
590	564296.68	4191225.71	5.46E-07	2.10E-07	7.56E-07	8.75E-08	3.29E-08	1.20E-07	5.17E-08	2.36E-08	7.52E-08	4.28E-08	1.43E-08	5.71E-08
591	564311.58	4191222.3	7.39E-07	2.84E-07	1.02E-06	1.19E-07	4.45E-08	1.63E-07	6.99E-08	3.19E-08	1.02E-07	5.80E-08	1.93E-08	7.73E-08
592	564217.33	4191307	3.24E-07	1.25E-07	4.48E-07	5.19E-08	1.95E-08	7.15E-08	3.07E-08	1.40E-08	4.46E-08	2.54E-08	8.46E-09	3.39E-08
593	564214.56	4191323.17	3.44E-07	1.32E-07	4.76E-07	5.52E-08	2.07E-08	7.59E-08	3.26E-08	1.48E-08	4.74E-08	2.70E-08	8.99E-09	3.60E-08
594	564212.93	4191290.76	2.74E-07	1.06E-07	3.80E-07	4.40E-08	1.65E-08	6.05E-08	2.60E-08	1.18E-08	3.78E-08	2.15E-08	7.17E-09	2.87E-08
595	564221.07	4191277.82	2.74E-07	1.05E-07	3.79E-07	4.39E-08	1.65E-08	6.05E-08	2.59E-08	1.18E-08	3.78E-08	2.15E-08	7.16E-09	2.86E-08
596	564229.21	4191264.88	2.62E-07	1.01E-07	3.63E-07	4.21E-08	1.58E-08	5.79E-08	2.48E-08	1.13E-08	3.62E-08	2.06E-08	6.86E-09	2.74E-08
597	564245.5	4191239.01	2.31E-07	8.87E-08	3.19E-07	3.70E-08	1.39E-08	5.09E-08	2.18E-08	9.95E-09	3.18E-08	1.81E-08	6.03E-09	2.41E-08
598	564261.09	4191224.37	2.49E-07	9.59E-08	3.45E-07	4.00E-08	1.50E-08	5.50E-08	2.36E-08	1.08E-08	3.43E-08	1.95E-08	6.51E-09	2.61E-08
599	564275.99	4191220.96	3.22E-07	1.24E-07	4.46E-07	5.17E-08	1.94E-08	7.11E-08	3.05E-08	1.39E-08	4.44E-08	2.53E-08	8.42E-09	3.37E-08
600	564290.89	4191217.55	4.41E-07	1.70E-07	6.11E-07	7.07E-08	2.66E-08	9.73E-08	4.17E-08	1.90E-08	6.08E-08	3.46E-08	1.15E-08	4.61E-08
601	564305.79	4191214.14	5.94E-07	2.29E-07	8.23E-07	9.53E-08	3.58E-08	1.31E-07	5.63E-08	2.57E-08	8.19E-08	4.66E-08	1.55E-08	6.22E-08
602	564320.69	4191210.73	7.48E-07	2.88E-07	1.04E-06	1.20E-07	4.51E-08	1.65E-07	7.08E-08	3.23E-08	1.03E-07	5.87E-08	1.96E-08	7.83E-08
603	564207.47	4191305.31	2.77E-07	1.07E-07	3.84E-07	4.45E-08	1.67E-08	6.12E-08	2.62E-08	1.20E-08	3.82E-08	2.18E-08	7.25E-09	2.90E-08
604	564204.71	4191321.48	2.92E-07	1.12E-07	4.04E-07	4.68E-08	1.76E-08	6.44E-08	2.76E-08	1.26E-08	4.02E-08	2.29E-08	7.63E-09	3.05E-08
605	564203.07	4191289.07	2.39E-07	9.20E-08	3.31E-07	3.84E-08	1.44E-08	5.28E-08	2.26E-08	1.03E-08	3.30E-08	1.88E-08	6.25E-09	2.50E-08
606	564211.21	4191276.13	2.41E-07	9.26E-08	3.33E-07	3.86E-08	1.45E-08	5.31E-08	2.28E-08	1.04E-08	3.32E-08	1.89E-08	6.29E-09	2.52E-08
607	564219.36	4191263.2	2.33E-07	8.95E-08	3.22E-07	3.73E-08	1.40E-08	5.14E-08	2.20E-08	1.00E-08	3.21E-08	1.83E-08	6.08E-09	2.43E-08
608	564235.64	4191237.32	2.05E-07	7.89E-08	2.84E-07	3.29E-08	1.24E-08	4.53E-08	1.94E-08	8.85E-09	2.83E-08	1.61E-08	5.36E-09	2.15E-08
609	564243.78	4191224.38	1.98E-07	7.61E-08	2.74E-07	3.17E-08	1.19E-08	4.36E-08	1.87E-08	8.53E-09	2.72E-08	1.55E-08	5.17E-09	2.07E-08
610	564255.3	4191216.21	2.16E-07	8.29E-08	2.99E-07	3.46E-08	1.30E-08	4.76E-08	2.04E-08	9.31E-09	2.97E-08	1.69E-08	5.63E-09	2.25E-08
611	564270.2	4191212.8	2.72E-07	1.05E-07	3.77E-07	4.36E-08	1.64E-08	6.00E-08	2.57E-08	1.17E-08	3.75E-08	2.13E-08	7.11E-09	2.84E-08
612	564285.11	4191209.39	3.63E-07	1.40E-07	5.03E-07	5.83E-08	2.19E-08	8.02E-08	3.44E-08	1.57E-08	5.01E-08	2.85E-08	9.50E-09	3.80E-08
613	564300.01	4191205.99	4.85E-07	1.87E-07	6.72E-07	7.78E-08	2.92E-08	1.07E-07	4.59E-08	2.09E-08	6.69E-08	3.81E-08	1.27E-08	5.07E-08
614	564314.91	4191202.58	6.15E-07	2.37E-07	8.51E-07	9.86E-08	3.71E-08	1.36E-07	5.82E-08	2.65E-08	8.47E-08	4.82E-08	1.61E-08	6.43E-08
615	564197.62	4191303.62	2.41E-07	9.26E-08	3.33E-07	3.86E-08	1.45E-08	5.31E-08	2.28E-08	1.04E-08	3.32E-08	1.89E-08	6.29E-09	2.52E-08
616	564194.85	4191319.79	2.52E-07	9.70E-08	3.49E-07	4.04E-08	1.52E-08	5.56E-08	2.39E-08	1.09E-08	3.47E-08	1.98E-08	6.59E-09	2.64E-08
617	564201.36	4191274.45	2.13E-07	8.19E-08	2.95E-07	3.42E-08	1.28E-08	4.70E-08	2.02E-08	9.19E-09	2.93E-08	1.67E-08	5.57E-09	2.23E-08
618	564209.5	4191261.51	2.08E-07	7.99E-08	2.88E-07	3.33E-08	1.25E-08	4.58E-08	1.97E-08	8.96E-09	2.86E-08	1.63E-08	5.43E-09	2.17E-08
619	564225.78	4191235.63	1.85E-07	7.11E-08	2.56E-07	2.96E-08	1.11E-08	4.08E-08	1.75E-08	7.97E-09	2.55E-08	1.45E-08	4.83E-09	1.93E-08
620	564233.92	4191222.7	1.76E-07	6.77E-08	2.44E-07	2.82E-08	1.06E-08	3.88E-08	1.67E-08	7.60E-09	2.43E-08	1.38E-08	4.60E-09	1.84E-08
621	564249.52	4191208.05	1.89E-07	7.26E-08	2.61E-07	3.03E-08	1.14E-08	4.16E-08	1.79E-08	8.14E-09	2.60E-08	1.48E-08	4.93E-09	1.97E-08
622	564264.42	4191204.65	2.33E-07	8.98E-08	3.23E-07	3.74E-08	1.41E-08	5.15E-08	2.21E-08	1.01E-08	3.22E-08	1.83E-08	6.10E-09	2.44E-08
623	564279.32	4191201.24	3.05E-07	1.17E-07	4.22E-07	4.89E-08	1.84E-08	6.73E-08	2.89E-08	1.32E-08	4.20E-08	2.39E-08	7.97E-09	3.19E-08
624	564294.22	4191197.83	4.01E-07	1.54E-07	5.55E-07	6.43E-08	2.42E-08	8.85E-08	3.80E-08	1.73E-08	5.53E-08	3.15E-08	1.05E-08	4.19E-08
625	564309.12	4191194.42	5.11E-07	1.97E-07	7.08E-07	8.20E-08	3.08E-08	1.13E-07	4.84E-08	2.21E-08	7.05E-08	4.01E-08	1.34E-08	5.35E-08
626	564324.03	4191191.01	6.13E-07	2.36E-07	8.49E-07	9.84E-08	3.70E-08	1.35E-07	5.80E-08	2.65E-08	8.45E-08	4.81E-08	1.60E-08	6.41E-08
627	564183.36	4191285.7	1.86E-07	7.17E-08	2.58E-07	2.99E-08	1.12E-08	4.11E-08	1.76E-08	8.04E-09	2.57E-08	1.46E-08	4.87E-09	1.95E-08
628	564215.93	4191233.95	1.68E-07	6.45E-08	2.32E-07	2.69E-08	1.01E-08	3.70E-08	1.59E-08	7.24E-09	2.31E-08	1.32E-08	4.38E-09	1.75E-08
629	564224.07	4191221.01	1.59E-07	6.13E-08	2.21E-07	2.56E-08	9.60E-09	3.52E-08	1.51E-08	6.88E-09	2.20E-08	1.25E-08	4.16E-09	1.67E-08
630	564232.21	4191208.07	1.55E-07	5.96E-08	2.15E-07	2.49E-08	9.34E-09	3.42E-08	1.47E-08	6.69E-09	2.14E-08	1.22E-08	4.05E-09	1.62E-08
631	564243.73	4191199.9	1.67E-07	6.41E-08	2.31E-07	2.67E-08	1.00E-08	3.68E-08	1.58E-08	7.19E-09	2.30E-08	1.31E-08	4.35E-09	1.74E-08
632	564258.63	4191196.49	2.02E-07	7.79E-08	2.80E-07	3.25E-08	1.22E-08	4.47E-08	1.92E-08	8.74E-09	2.79E-08	1.59E-08	5.29E-09	2.12E-08
633	564273.53	4191193.08	2.59E-07	9.98E-08	3.59E-07	4.16E-08	1.56E-08	5.72E-08	2.45E-08	1.12E-08	3.57E-08	2.03E-08	6.78E-09	2.71E-08
634	564288.44	4191189.67	3.39E-07	1.30E-07	4.69E-07	5.43E-08	2.04E-08	7.47E-08	3.21E-08	1.46E-08	4.67E-08	2.66E-08	8.85E-09	3.54E-08
635	564303.34	4191186.26	4.32E-07	1.66E-07	5.98E-07	6.93E-08	2.60E-08	9.53E-08	4.09E-08	1.86E-08	5.95E-08	3.39E-08	1.13E-08	4.52E-08

636	564318.24	4191182.86	5.22E-07	2.01E-07	7.23E-07	8.38E-08	3.15E-08	1.15E-07	4.94E-08	2.25E-08	7.20E-08	4.10E-08	1.36E-08	5.46E-08
637	564177.9	4191300.25	1.86E-07	7.17E-08	2.58E-07	2.99E-08	1.12E-08	4.11E-08	1.76E-08	8.04E-09	2.57E-08	1.46E-08	4.87E-09	1.95E-08
638	564175.14	4191316.42	1.94E-07	7.46E-08	2.69E-07	3.11E-08	1.17E-08	4.28E-08	1.84E-08	8.37E-09	2.67E-08	1.52E-08	5.07E-09	2.03E-08
639	564172.37	4191332.59	2.05E-07	7.90E-08	2.84E-07	3.30E-08	1.24E-08	4.53E-08	1.94E-08	8.87E-09	2.83E-08	1.61E-08	5.37E-09	2.15E-08
640	564173.79	4191283.55	1.66E-07	6.40E-08	2.30E-07	2.67E-08	1.00E-08	3.67E-08	1.57E-08	7.18E-09	2.29E-08	1.30E-08	4.35E-09	1.74E-08
641	564182.52	4191269.69	1.70E-07	6.54E-08	2.35E-07	2.73E-08	1.02E-08	3.75E-08	1.61E-08	7.34E-09	2.34E-08	1.33E-08	4.44E-09	1.78E-08
642	564208.69	4191228.1	1.51E-07	5.79E-08	2.08E-07	2.42E-08	9.07E-09	3.32E-08	1.43E-08	6.50E-09	2.07E-08	1.18E-08	3.93E-09	1.57E-08
643	564217.41	4191214.24	1.43E-07	5.51E-08	1.98E-07	2.30E-08	8.63E-09	3.16E-08	1.36E-08	6.18E-09	1.97E-08	1.12E-08	3.74E-09	1.50E-08
644	564226.13	4191200.38	1.39E-07	5.35E-08	1.93E-07	2.23E-08	8.39E-09	3.07E-08	1.32E-08	6.01E-09	1.92E-08	1.09E-08	3.64E-09	1.46E-08
645	564238.48	4191191.62	1.49E-07	5.74E-08	2.06E-07	2.39E-08	8.99E-09	3.29E-08	1.41E-08	6.44E-09	2.05E-08	1.17E-08	3.90E-09	1.56E-08
646	564254.44	4191187.97	1.81E-07	6.96E-08	2.50E-07	2.90E-08	1.09E-08	3.99E-08	1.71E-08	7.81E-09	2.49E-08	1.42E-08	4.73E-09	1.89E-08
647	564270.41	4191184.32	2.33E-07	8.97E-08	3.23E-07	3.74E-08	1.41E-08	5.14E-08	2.21E-08	1.01E-08	3.21E-08	1.83E-08	6.09E-09	2.44E-08
648	564286.38	4191180.66	3.07E-07	1.18E-07	4.26E-07	4.93E-08	1.85E-08	6.78E-08	2.91E-08	1.33E-08	4.24E-08	2.41E-08	8.03E-09	3.22E-08
649	564302.34	4191177.01	3.94E-07	1.52E-07	5.45E-07	6.32E-08	2.37E-08	8.69E-08	3.73E-08	1.70E-08	5.43E-08	3.09E-08	1.03E-08	4.12E-08
650	564318.31	4191173.36	4.76E-07	1.83E-07	6.60E-07	7.64E-08	2.87E-08	1.05E-07	4.51E-08	2.06E-08	6.57E-08	3.74E-08	1.24E-08	4.98E-08
651	564168.05	4191298.56	1.66E-07	6.38E-08	2.30E-07	2.66E-08	1.00E-08	3.66E-08	1.57E-08	7.16E-09	2.29E-08	1.30E-08	4.33E-09	1.73E-08
652	564165.28	4191314.73	1.72E-07	6.60E-08	2.38E-07	2.75E-08	1.03E-08	3.79E-08	1.62E-08	7.41E-09	2.36E-08	1.35E-08	4.48E-09	1.79E-08
653	564162.51	4191330.9	1.81E-07	6.97E-08	2.51E-07	2.91E-08	1.09E-08	4.00E-08	1.71E-08	7.82E-09	2.50E-08	1.42E-08	4.74E-09	1.89E-08
654	564163.92	4191281.89	1.50E-07	5.77E-08	2.08E-07	2.41E-08	9.04E-09	3.31E-08	1.42E-08	6.47E-09	2.07E-08	1.18E-08	3.92E-09	1.57E-08
655	564172.6	4191268.09	1.53E-07	5.90E-08	2.12E-07	2.46E-08	9.24E-09	3.38E-08	1.45E-08	6.62E-09	2.11E-08	1.20E-08	4.01E-09	1.60E-08
656	564181.29	4191254.29	1.52E-07	5.84E-08	2.10E-07	2.44E-08	9.16E-09	3.35E-08	1.44E-08	6.56E-09	2.09E-08	1.19E-08	3.97E-09	1.59E-08
657	564207.34	4191212.89	1.32E-07	5.06E-08	1.82E-07	2.11E-08	7.93E-09	2.90E-08	1.25E-08	5.68E-09	1.81E-08	1.03E-08	3.44E-09	1.38E-08
658	564216.02	4191199.09	1.27E-07	4.88E-08	1.76E-07	2.04E-08	7.65E-09	2.80E-08	1.20E-08	5.48E-09	1.75E-08	9.96E-09	3.32E-09	1.33E-08
659	564232.66	4191183.47	1.34E-07	5.15E-08	1.85E-07	2.15E-08	8.06E-09	2.95E-08	1.27E-08	5.77E-09	1.84E-08	1.05E-08	3.50E-09	1.40E-08
660	564248.55	4191179.84	1.59E-07	6.13E-08	2.21E-07	2.55E-08	9.60E-09	3.51E-08	1.51E-08	6.87E-09	2.20E-08	1.25E-08	4.16E-09	1.67E-08
661	564264.45	4191176.2	2.01E-07	7.73E-08	2.78E-07	3.22E-08	1.21E-08	4.43E-08	1.90E-08	8.67E-09	2.77E-08	1.58E-08	5.25E-09	2.10E-08
662	564280.34	4191172.56	2.62E-07	1.01E-07	3.63E-07	4.21E-08	1.58E-08	5.79E-08	2.48E-08	1.13E-08	3.62E-08	2.06E-08	6.86E-09	2.74E-08
663	564296.24	4191168.93	3.37E-07	1.29E-07	4.66E-07	5.40E-08	2.03E-08	7.43E-08	3.19E-08	1.45E-08	4.64E-08	2.64E-08	8.80E-09	3.52E-08
664	564312.13	4191165.29	4.10E-07	1.58E-07	5.68E-07	6.58E-08	2.47E-08	9.05E-08	3.88E-08	1.77E-08	5.65E-08	3.22E-08	1.07E-08	4.29E-08
665	564158.19	4191296.87	1.49E-07	5.72E-08	2.06E-07	2.39E-08	8.96E-09	3.28E-08	1.41E-08	6.42E-09	2.05E-08	1.17E-08	3.89E-09	1.56E-08
666	564155.42	4191313.04	1.53E-07	5.88E-08	2.12E-07	2.45E-08	9.22E-09	3.37E-08	1.45E-08	6.60E-09	2.11E-08	1.20E-08	4.00E-09	1.60E-08
667	564152.65	4191329.21	1.61E-07	6.19E-08	2.23E-07	2.58E-08	9.70E-09	3.55E-08	1.52E-08	6.95E-09	2.22E-08	1.26E-08	4.21E-09	1.68E-08
668	564154.04	4191280.23	1.36E-07	5.23E-08	1.88E-07	2.18E-08	8.19E-09	3.00E-08	1.29E-08	5.86E-09	1.87E-08	1.07E-08	3.55E-09	1.42E-08
669	564162.69	4191266.48	1.39E-07	5.36E-08	1.93E-07	2.24E-08	8.40E-09	3.08E-08	1.32E-08	6.02E-09	1.92E-08	1.09E-08	3.64E-09	1.46E-08
670	564171.34	4191252.74	1.39E-07	5.33E-08	1.92E-07	2.22E-08	8.35E-09	3.06E-08	1.31E-08	5.98E-09	1.91E-08	1.09E-08	3.62E-09	1.45E-08
671	564180	4191238.99	1.34E-07	5.15E-08	1.85E-07	2.15E-08	8.07E-09	2.95E-08	1.27E-08	5.78E-09	1.84E-08	1.05E-08	3.50E-09	1.40E-08
672	564188.65	4191225.24	1.27E-07	4.90E-08	1.76E-07	2.04E-08	7.67E-09	2.81E-08	1.21E-08	5.49E-09	1.75E-08	9.99E-09	3.33E-09	1.33E-08
673	564214.6	4191184.01	1.14E-07	4.38E-08	1.58E-07	1.83E-08	6.86E-09	2.51E-08	1.08E-08	4.91E-09	1.57E-08	8.93E-09	2.98E-09	1.19E-08
674	564226.84	4191175.32	1.21E-07	4.65E-08	1.67E-07	1.94E-08	7.28E-09	2.67E-08	1.14E-08	5.21E-09	1.66E-08	9.47E-09	3.16E-09	1.26E-08
675	564242.67	4191171.7	1.42E-07	5.45E-08	1.96E-07	2.27E-08	8.54E-09	3.13E-08	1.34E-08	6.12E-09	1.95E-08	1.11E-08	3.70E-09	1.48E-08
676	564258.51	4191168.08	1.75E-07	6.74E-08	2.43E-07	2.81E-08	1.06E-08	3.87E-08	1.66E-08	7.56E-09	2.41E-08	1.37E-08	4.58E-09	1.83E-08
677	564274.34	4191164.46	2.26E-07	8.68E-08	3.13E-07	3.62E-08	1.36E-08	4.98E-08	2.14E-08	9.74E-09	3.11E-08	1.77E-08	5.90E-09	2.36E-08
678	564290.17	4191160.84	2.90E-07	1.11E-07	4.01E-07	4.64E-08	1.75E-08	6.39E-08	2.74E-08	1.25E-08	3.99E-08	2.27E-08	7.57E-09	3.03E-08
679	564148.33	4191295.19	1.34E-07	5.16E-08	1.86E-07	2.15E-08	8.09E-09	2.96E-08	1.27E-08	5.79E-09	1.85E-08	1.05E-08	3.51E-09	1.40E-08
680	564145.57	4191311.35	1.37E-07	5.28E-08	1.90E-07	2.20E-08	8.27E-09	3.03E-08	1.30E-08	5.92E-09	1.89E-08	1.08E-08	3.59E-09	1.44E-08
681	564142.8	4191327.52	1.44E-07	5.54E-08	1.99E-07	2.31E-08	8.68E-09	3.18E-08	1.36E-08	6.22E-09	1.98E-08	1.13E-08	3.76E-09	1.51E-08
682	564144.17	4191278.57	1.24E-07	4.76E-08	1.71E-07	1.98E-08	7.45E-09	2.73E-08	1.17E-08	5.34E-09	1.70E-08	9.70E-09	3.23E-09	1.29E-08
683	564152.79	4191264.87	1.27E-07	4.90E-08	1.76E-07	2.04E-08	7.67E-09	2.81E-08	1.20E-08	5.49E-09	1.75E-08	9.99E-09	3.33E-09	1.33E-08
684	564161.41	4191251.17	1.27E-07	4.90E-08	1.76E-07	2.04E-08	7.67E-09	2.81E-08	1.20E-08	5.49E-09	1.75E-08	9.98E-09	3.33E-09	1.33E-08
685	564170.03	4191237.47	1.23E-07	4.75E-08	1.71E-07	1.98E-08	7.44E-09	2.72E-08	1.17E-08	5.32E-09	1.70E-08	9.68E-09	3.22E-09	1.29E-08
686	564178.65	4191223.77	1.18E-07	4.53E-08	1.63E-07	1.89E-08	7.09E-09	2.60E-08	1.11E-08	5.08E-09	1.62E-08	9.23E-09	3.07E-09	1.23E-08
687	564187.28	4191210.07	1.12E-07	4.31E-08	1.55E-07	1.80E-08	6.75E-09	2.47E-08	1.06E-08	4.84E-09	1.54E-08	8.79E-09	2.93E-09	1.17E-08
688	564221.03	4191167.17	1.10E-07	4.22E-08	1.52E-07	1.76E-08	6.60E-09	2.42E-08	1.04E-08	4.73E-09	1.51E-08	8.59E-09	2.86E-09	1.15E-08
689	564236.8	4191163.56	1.27E-07	4.90E-08	1.76E-07	2.04E-08	7.67E-09	2.81E-08	1.20E-08	5.49E-09	1.75E-08	9.99E-09	3.33E-09	1.33E-08
690	564252.58	4191159.95	1.55E-07	5.96E-08	2.14E-07	2.48E-08	9.33E-09	3.42E-08	1.47E-08	6.68E-09	2.13E-08	1.21E-08	4.05E-09	1.62E-08
691	564268.36	4191156.35	1.96E-07	7.55E-08	2.72E-07	3.15E-08	1.18E-08	4.33E-08	1.86E-08	8.47E-09	2.70E-08	1.54E-08	5.13E-09	2.05E-08
692	564299.92	4191149.13	3.09E-07	1.19E-07	4.28E-07	4.96E-08	1.86E-08	6.82E-08	2.92E-08	1.33E-08	4.26E-08	2.42E-08	8.07E-09	3.23E-08
693	564315.7	4191145.52	3.62E-07	1.39E-07	5.02E-07	5.81E-08	2.18E-08	8.00E-08	3.43E-08	1.56E-08	4.99E-08	2.84E-08	9.47E-09	3.79E-08
694	564331.47	4191141.91	4.06E-07	1.56E-07	5.62E-07	6.51E-08	2.45E-08	8.96E-08	3.84E-08	1.75E-08	5.59E-08	3.18E-08	1.06E-08	4.25E-08
695	564138.48	4191293.5	1.22E-07	4.68E-08	1.68E-07	1.95E-08	7.33E-09	2.68E-08	1.15E-08	5.25E-09	1.68E-08	9.54E-09	3.18E-09	1.27E-08
696	564135.71	4191309.67	1.24E-07	4.78E-08	1.72E-07	1.99E-08	7.48E-09	2.74E-08	1.17E-08	5.36E-09	1.71E-08	9.74E-09	3.24E-09	1.30E-08
697	564132.94	4191325.84	1.30E-07	4.99E-08	1.80E-07	2.08E-08	7.82E-09	2.86E-08	1.23E-08	5.60E-09	1.79E-08	1.02E-08	3.39E-09	1.36E-08
698	564134.3	4191276.9	1.13E-07	4.33E-08	1.56E-07	1.81E-08	6.79E-09	2.49E-08	1.07E-08	4.86E-09	1.55E-08	8.84E-09	2.94E-09	1.18E-08
699	564142.9	4191263.24	1.17E-07	4.49E-08	1.61E-07	1.87E-08	7.03E-09	2.57E-08	1.10E-08	5.03E-09	1.61E-08	9.15E-09	3.05E-09	1.22E-08
700	564151.49	4191249.59	1.17E-07	4.51E-08	1.62E-07	1.88E-08	7.07E-09	2.59E-08	1.11E-08	5.06E-09	1.62E-08	9.20E-09	3.06E-09	1.23E-08
701	564160.08	4191235.93	1.14E-07	4.40E-08	1.58E-07	1.83E-08	6.89E-09	2.52E-08	1.08E-08	4.93E-09	1.58E-08	8.97E-09	2.99E-09	1.20E-08
702	564168.68	4191222.27	1.09E-07	4.20E-08	1.51E-07	1.75E-08	6.58E-09	2.41E-08	1.03E-08	4.71E-09	1.51E-08	8.57E-09	2.85E-09	1.14E-08
703	564177.27	4191208.62	1.04E-07	4.00E-08	1.44E-07	1.67E-08	6.27E-09	2.29E-08	9.84E-09	4.49E-09	1.43E-08	8.16E-09	2.72E-09	1.09E-08
704	564185.87	4191194.96	9.98E-08	3.84E-08	1.38E-07	1.60E-08	6.02E-09	2.20E-08	9.45E-09	4.31E-09	1.38E-08	7.83E-09	2.61E-09	1.04E-08
705	564194.46	4191181.3	9.66E-08	3.72E-08	1.34E-07	1.55E-08	5.83E-09	2.13E-08	9.15E-09	4.17E-09	1.33E-08	7.58E-09	2.53E-09	1.01E-08
706	564215.22	4191159.02	9.99E-08	3.85E-08	1.38E-07	1.60E-08	6.02E-09	2.21E-08	9.46E-09	4.31E-09	1.38E-08	7.84E-09	2.61E-09	1.05E-08

707	564230.95	4191155.42	1.15E-07	4.43E-08	1.59E-07	1.85E-08	6.93E-09	2.54E-08	1.09E-08	4.97E-09	1.59E-08	9.03E-09	3.01E-09	1.20E-08
708	564246.68	4191151.83	1.38E-07	5.31E-08	1.91E-07	2.21E-08	8.32E-09	3.05E-08	1.31E-08	5.96E-09	1.90E-08	1.08E-08	3.61E-09	1.44E-08
709	564278.13	4191144.63	2.18E-07	8.41E-08	3.03E-07	3.51E-08	1.32E-08	4.82E-08	2.07E-08	9.43E-09	3.01E-08	1.71E-08	5.71E-09	2.29E-08
710	564293.86	4191141.03	2.70E-07	1.04E-07	3.74E-07	4.33E-08	1.63E-08	5.96E-08	2.56E-08	1.17E-08	3.72E-08	2.12E-08	7.06E-09	2.82E-08
711	564309.59	4191137.44	3.19E-07	1.23E-07	4.42E-07	5.12E-08	1.92E-08	7.04E-08	3.02E-08	1.38E-08	4.40E-08	2.50E-08	8.34E-09	3.34E-08
712	564325.32	4191133.84	3.60E-07	1.39E-07	4.99E-07	5.78E-08	2.17E-08	7.95E-08	3.41E-08	1.56E-08	4.97E-08	2.83E-08	9.42E-09	3.77E-08
713	564128.62	4191291.81	1.11E-07	4.26E-08	1.53E-07	1.77E-08	6.67E-09	2.44E-08	1.05E-08	4.77E-09	1.52E-08	8.68E-09	2.89E-09	1.16E-08
714	564125.85	4191307.98	1.13E-07	4.34E-08	1.56E-07	1.81E-08	6.80E-09	2.49E-08	1.07E-08	4.87E-09	1.56E-08	8.85E-09	2.95E-09	1.18E-08
715	564123.08	4191324.15	1.18E-07	4.52E-08	1.63E-07	1.89E-08	7.09E-09	2.59E-08	1.11E-08	5.07E-09	1.62E-08	9.22E-09	3.07E-09	1.23E-08
716	564124.43	4191275.23	1.03E-07	3.96E-08	1.43E-07	1.65E-08	6.21E-09	2.27E-08	9.75E-09	4.44E-09	1.42E-08	8.08E-09	2.69E-09	1.08E-08
717	564133	4191261.61	1.07E-07	4.11E-08	1.48E-07	1.71E-08	6.44E-09	2.36E-08	1.01E-08	4.61E-09	1.47E-08	8.38E-09	2.79E-09	1.12E-08
718	564141.57	4191247.99	1.08E-07	4.16E-08	1.50E-07	1.74E-08	6.52E-09	2.39E-08	1.02E-08	4.67E-09	1.49E-08	8.49E-09	2.83E-09	1.13E-08
719	564150.14	4191234.38	1.06E-07	4.09E-08	1.47E-07	1.70E-08	6.40E-09	2.34E-08	1.01E-08	4.58E-09	1.46E-08	8.33E-09	2.78E-09	1.11E-08
720	564158.71	4191220.76	1.02E-07	3.92E-08	1.41E-07	1.63E-08	6.14E-09	2.25E-08	9.64E-09	4.40E-09	1.40E-08	7.99E-09	2.66E-09	1.07E-08
721	564167.28	4191207.14	9.69E-08	3.73E-08	1.34E-07	1.55E-08	5.84E-09	2.14E-08	9.17E-09	4.18E-09	1.34E-08	7.60E-09	2.53E-09	1.01E-08
722	564175.86	4191193.52	9.28E-08	3.57E-08	1.29E-07	1.49E-08	5.60E-09	2.05E-08	8.79E-09	4.01E-09	1.28E-08	7.28E-09	2.43E-09	9.71E-09
723	564184.43	4191179.9	8.98E-08	3.46E-08	1.24E-07	1.44E-08	5.41E-09	1.98E-08	8.50E-09	3.88E-09	1.24E-08	7.05E-09	2.35E-09	9.39E-09
724	564193	4191166.28	8.77E-08	3.37E-08	1.21E-07	1.41E-08	5.29E-09	1.94E-08	8.30E-09	3.79E-09	1.21E-08	6.88E-09	2.29E-09	9.17E-09
725	564256.47	4191140.11	1.53E-07	5.87E-08	2.11E-07	2.45E-08	9.20E-09	3.37E-08	1.44E-08	6.59E-09	2.10E-08	1.20E-08	3.99E-09	1.60E-08
726	564272.15	4191136.52	1.92E-07	7.37E-08	2.65E-07	3.07E-08	1.15E-08	4.23E-08	1.81E-08	8.27E-09	2.64E-08	1.50E-08	5.01E-09	2.00E-08
727	564287.84	4191132.93	2.37E-07	9.12E-08	3.28E-07	3.80E-08	1.43E-08	5.23E-08	2.24E-08	1.02E-08	3.27E-08	1.86E-08	6.20E-09	2.48E-08
728	564303.52	4191129.34	2.82E-07	1.08E-07	3.90E-07	4.52E-08	1.70E-08	6.22E-08	2.67E-08	1.22E-08	3.88E-08	2.21E-08	7.36E-09	2.95E-08
729	564319.21	4191125.76	3.21E-07	1.23E-07	4.44E-07	5.15E-08	1.93E-08	7.08E-08	3.04E-08	1.38E-08	4.42E-08	2.52E-08	8.39E-09	3.36E-08
730	564334.9	4191122.17	3.51E-07	1.35E-07	4.86E-07	5.63E-08	2.11E-08	7.74E-08	3.32E-08	1.51E-08	4.84E-08	2.75E-08	9.17E-09	3.67E-08
731	564118.76	4191290.12	1.01E-07	3.89E-08	1.40E-07	1.62E-08	6.09E-09	2.23E-08	9.56E-09	4.36E-09	1.39E-08	7.93E-09	2.64E-09	1.06E-08
732	564116	4191306.29	1.03E-07	3.97E-08	1.43E-07	1.65E-08	6.21E-09	2.27E-08	9.75E-09	4.45E-09	1.42E-08	8.08E-09	2.69E-09	1.08E-08
733	564113.23	4191322.46	1.07E-07	4.12E-08	1.48E-07	1.72E-08	6.46E-09	2.36E-08	1.01E-08	4.62E-09	1.48E-08	8.40E-09	2.80E-09	1.12E-08
734	564114.57	4191273.56	9.45E-08	3.64E-08	1.31E-07	1.52E-08	5.70E-09	2.09E-08	8.95E-09	4.08E-09	1.30E-08	7.42E-09	2.47E-09	9.89E-09
735	564123.11	4191259.98	9.82E-08	3.78E-08	1.36E-07	1.58E-08	5.92E-09	2.17E-08	9.30E-09	4.24E-09	1.35E-08	7.70E-09	2.57E-09	1.03E-08
736	564131.66	4191246.39	9.98E-08	3.84E-08	1.38E-07	1.60E-08	6.02E-09	2.20E-08	9.45E-09	4.31E-09	1.38E-08	7.83E-09	2.61E-09	1.04E-08
737	564140.21	4191232.81	9.88E-08	3.80E-08	1.37E-07	1.58E-08	5.95E-09	2.18E-08	9.35E-09	4.26E-09	1.36E-08	7.75E-09	2.58E-09	1.03E-08
738	564148.76	4191219.22	9.51E-08	3.66E-08	1.32E-07	1.53E-08	5.73E-09	2.10E-08	9.01E-09	4.11E-09	1.31E-08	7.46E-09	2.49E-09	9.95E-09
739	564157.31	4191205.64	9.06E-08	3.49E-08	1.25E-07	1.45E-08	5.46E-09	2.00E-08	8.57E-09	3.91E-09	1.25E-08	7.11E-09	2.37E-09	9.47E-09
740	564165.86	4191192.05	8.67E-08	3.34E-08	1.20E-07	1.39E-08	5.23E-09	1.91E-08	8.21E-09	3.74E-09	1.19E-08	6.80E-09	2.27E-09	9.07E-09
741	564174.41	4191178.47	8.38E-08	3.23E-08	1.16E-07	1.35E-08	5.05E-09	1.85E-08	7.94E-09	3.62E-09	1.16E-08	6.58E-09	2.19E-09	8.77E-09
742	564182.96	4191164.88	8.17E-08	3.15E-08	1.13E-07	1.31E-08	4.93E-09	1.80E-08	7.74E-09	3.53E-09	1.13E-08	6.41E-09	2.14E-09	8.55E-09
743	564191.51	4191151.3	8.04E-08	3.10E-08	1.11E-07	1.29E-08	4.85E-09	1.78E-08	7.61E-09	3.47E-09	1.11E-08	6.31E-09	2.10E-09	8.41E-09
744	564234.9	4191135.56	1.12E-07	4.31E-08	1.55E-07	1.80E-08	6.75E-09	2.47E-08	1.06E-08	4.83E-09	1.54E-08	8.78E-09	2.92E-09	1.17E-08
745	564250.54	4191131.98	1.36E-07	5.23E-08	1.88E-07	2.18E-08	8.20E-09	3.00E-08	1.29E-08	5.87E-09	1.87E-08	1.07E-08	3.55E-09	1.42E-08
746	564266.19	4191128.4	1.69E-07	6.50E-08	2.34E-07	2.71E-08	1.02E-08	3.73E-08	1.60E-08	7.30E-09	2.33E-08	1.33E-08	4.42E-09	1.77E-08
747	564281.84	4191124.83	2.09E-07	8.05E-08	2.90E-07	3.35E-08	1.26E-08	4.61E-08	1.98E-08	9.03E-09	2.88E-08	1.64E-08	5.46E-09	2.19E-08
748	564297.48	4191121.25	2.50E-07	9.61E-08	3.46E-07	4.01E-08	1.51E-08	5.51E-08	2.36E-08	1.08E-08	3.44E-08	1.96E-08	6.53E-09	2.61E-08
749	564313.13	4191117.67	2.86E-07	1.10E-07	3.96E-07	4.59E-08	1.73E-08	6.32E-08	2.71E-08	1.24E-08	3.95E-08	2.25E-08	7.48E-09	2.99E-08
750	564328.78	4191114.09	3.16E-07	1.22E-07	4.37E-07	5.07E-08	1.90E-08	6.97E-08	2.99E-08	1.36E-08	4.35E-08	2.48E-08	8.26E-09	3.30E-08
751	564108.91	4191288.44	9.28E-08	3.57E-08	1.28E-07	1.49E-08	5.59E-09	2.05E-08	8.78E-09	4.00E-09	1.28E-08	7.28E-09	2.42E-09	9.70E-09
752	564106.14	4191304.61	9.44E-08	3.63E-08	1.31E-07	1.51E-08	5.69E-09	2.08E-08	8.94E-09	4.08E-09	1.30E-08	7.41E-09	2.47E-09	9.87E-09
753	564103.37	4191320.77	9.78E-08	3.76E-08	1.35E-07	1.57E-08	5.90E-09	2.16E-08	9.26E-09	4.22E-09	1.35E-08	7.67E-09	2.56E-09	1.02E-08
754	564104.7	4191271.89	8.73E-08	3.36E-08	1.21E-07	1.40E-08	5.26E-09	1.93E-08	8.27E-09	3.77E-09	1.20E-08	6.85E-09	2.28E-09	9.13E-09
755	564113.23	4191258.33	9.06E-08	3.49E-08	1.25E-07	1.45E-08	5.46E-09	2.00E-08	8.57E-09	3.91E-09	1.25E-08	7.11E-09	2.37E-09	9.47E-09
756	564121.76	4191244.78	9.24E-08	3.55E-08	1.28E-07	1.48E-08	5.57E-09	2.04E-08	8.75E-09	3.99E-09	1.27E-08	7.25E-09	2.41E-09	9.66E-09
757	564130.29	4191231.23	9.18E-08	3.53E-08	1.27E-07	1.47E-08	5.53E-09	2.03E-08	8.69E-09	3.96E-09	1.27E-08	7.20E-09	2.40E-09	9.60E-09
758	564138.82	4191217.67	8.90E-08	3.42E-08	1.23E-07	1.43E-08	5.36E-09	1.96E-08	8.42E-09	3.84E-09	1.23E-08	6.98E-09	2.33E-09	9.31E-09
759	564147.35	4191204.12	8.49E-08	3.27E-08	1.18E-07	1.36E-08	5.12E-09	1.87E-08	8.03E-09	3.66E-09	1.17E-08	6.66E-09	2.22E-09	8.88E-09
760	564155.88	4191190.57	8.12E-08	3.12E-08	1.12E-07	1.30E-08	4.89E-09	1.79E-08	7.69E-09	3.50E-09	1.12E-08	6.37E-09	2.12E-09	8.49E-09
761	564164.41	4191177.01	7.84E-08	3.02E-08	1.09E-07	1.26E-08	4.73E-09	1.73E-08	7.42E-09	3.39E-09	1.08E-08	6.15E-09	2.05E-09	8.20E-09
762	564172.94	4191163.46	7.64E-08	2.94E-08	1.06E-07	1.23E-08	4.61E-09	1.69E-08	7.24E-09	3.30E-09	1.05E-08	6.00E-09	2.00E-09	8.00E-09
763	564181.47	4191149.9	7.49E-08	2.88E-08	1.04E-07	1.20E-08	4.51E-09	1.65E-08	7.09E-09	3.23E-09	1.03E-08	5.88E-09	1.96E-09	7.83E-09
764	564213.41	4191130.99	8.74E-08	3.36E-08	1.21E-07	1.40E-08	5.27E-09	1.93E-08	8.27E-09	3.77E-09	1.20E-08	6.85E-09	2.28E-09	9.14E-09
765	564229.02	4191127.42	1.01E-07	3.90E-08	1.40E-07	1.62E-08	6.10E-09	2.23E-08	9.58E-09	4.37E-09	1.40E-08	7.94E-09	2.65E-09	1.06E-08
766	564244.63	4191123.85	1.22E-07	4.68E-08	1.69E-07	1.95E-08	7.34E-09	2.69E-08	1.15E-08	5.25E-09	1.68E-08	9.55E-09	3.18E-09	1.27E-08
767	564260.25	4191120.28	1.50E-07	5.78E-08	2.08E-07	2.41E-08	9.05E-09	3.31E-08	1.42E-08	6.48E-09	2.07E-08	1.18E-08	3.92E-09	1.57E-08
768	564275.86	4191116.71	1.85E-07	7.13E-08	2.56E-07	2.97E-08	1.12E-08	4.09E-08	1.75E-08	7.99E-09	2.55E-08	1.45E-08	4.84E-09	1.94E-08
769	564291.47	4191113.14	2.22E-07	8.54E-08	3.07E-07	3.56E-08	1.34E-08	4.90E-08	2.10E-08	9.58E-09	3.06E-08	1.74E-08	5.80E-09	2.32E-08
770	564307.08	4191109.57	2.56E-07	9.86E-08	3.55E-07	4.11E-08	1.54E-08	5.65E-08	2.42E-08	1.11E-08	3.53E-08	2.01E-08	6.70E-09	2.68E-08
771	564322.69	4191106	2.85E-07	1.10E-07	3.95E-07	4.58E-08	1.72E-08	6.29E-08	2.70E-08	1.23E-08	3.93E-08	2.24E-08	7.45E-09	2.98E-08
772	564338.3	4191102.43	3.05E-07	1.17E-07	4.22E-07	4.89E-08	1.84E-08	6.73E-08	2.89E-08	1.32E-08	4.20E-08	2.39E-08	7.97E-09	3.19E-08
773	564099.05	4191286.75	8.56E-08	3.29E-08	1.19E-07	1.37E-08	5.16E-09	1.89E-08	8.10E-09	3.70E-09	1.18E-08	6.72E-09	2.24E-09	8.95E-09
774	564096.28	4191302.92	8.68E-08	3.34E-08	1.20E-07	1.39E-08	5.23E-09	1.92E-08	8.22E-09	3.75E-09	1.20E-08	6.81E-09	2.27E-09	9.08E-09
775	564093.51	4191319.09	8.97E-08	3.45E-08	1.24E-07	1.44E-08	5.41E-09	1.98E-08	8.49E-09	3.87E-09	1.24E-08	7.04E-09	2.34E-09	9.38E-09
776	564094.83	4191270.22	8.10E-08	3.12E-08	1.12E-07	1.30E-08	4.88E-09	1.79E-08	7.67E-09	3.50E-09	1.12E-08	6.35E-09	2.12E-09	8.47E-09
777	564103.35	4191256.69	8.41E-08	3.24E-08	1.16E-07	1.35E-08	5.07E-09	1.86E-08	7.96E-09	3.63E-09	1.16E-08	6.60E-09	2.20E-09	8.79E-09

778	564111.86	4191243.16	8.57E-08	3.30E-08	1.19E-07	1.38E-08	5.17E-09	1.89E-08	8.11E-09	3.70E-09	1.18E-08	6.73E-09	2.24E-09	8.97E-09
779	564120.37	4191229.64	8.56E-08	3.29E-08	1.18E-07	1.37E-08	5.16E-09	1.89E-08	8.10E-09	3.69E-09	1.18E-08	6.71E-09	2.24E-09	8.95E-09
780	564128.88	4191216.11	8.33E-08	3.21E-08	1.15E-07	1.34E-08	5.02E-09	1.84E-08	7.89E-09	3.60E-09	1.15E-08	6.54E-09	2.18E-09	8.72E-09
781	564137.39	4191202.59	7.98E-08	3.07E-08	1.10E-07	1.28E-08	4.81E-09	1.76E-08	7.55E-09	3.44E-09	1.10E-08	6.26E-09	2.09E-09	8.34E-09
782	564145.91	4191189.06	7.62E-08	2.93E-08	1.06E-07	1.22E-08	4.60E-09	1.68E-08	7.22E-09	3.29E-09	1.05E-08	5.98E-09	1.99E-09	7.97E-09
783	564154.42	4191175.53	7.36E-08	2.83E-08	1.02E-07	1.18E-08	4.43E-09	1.62E-08	6.96E-09	3.18E-09	1.01E-08	5.77E-09	1.92E-09	7.69E-09
784	564162.93	4191162.01	7.16E-08	2.75E-08	9.91E-08	1.15E-08	4.31E-09	1.58E-08	6.78E-09	3.09E-09	9.86E-09	5.62E-09	1.87E-09	7.49E-09
785	564171.44	4191148.48	7.00E-08	2.69E-08	9.70E-08	1.12E-08	4.22E-09	1.55E-08	6.63E-09	3.02E-09	9.65E-09	5.49E-09	1.83E-09	7.32E-09
786	564192	4191126.41	7.23E-08	2.78E-08	1.00E-07	1.16E-08	4.36E-09	1.60E-08	6.84E-09	3.12E-09	9.96E-09	5.67E-09	1.89E-09	7.56E-09
787	564223.16	4191119.29	9.22E-08	3.55E-08	1.28E-07	1.48E-08	5.56E-09	2.03E-08	8.73E-09	3.98E-09	1.27E-08	7.23E-09	2.41E-09	9.64E-09
788	564238.74	4191115.72	1.10E-07	4.21E-08	1.52E-07	1.76E-08	6.60E-09	2.42E-08	1.04E-08	4.73E-09	1.51E-08	8.59E-09	2.86E-09	1.15E-08
789	564254.31	4191112.16	1.34E-07	5.16E-08	1.86E-07	2.15E-08	8.08E-09	2.96E-08	1.27E-08	5.78E-09	1.85E-08	1.05E-08	3.50E-09	1.40E-08
790	564269.89	4191108.6	1.65E-07	6.34E-08	2.28E-07	2.64E-08	9.93E-09	3.64E-08	1.56E-08	7.11E-09	2.27E-08	1.29E-08	4.31E-09	1.72E-08
791	564285.47	4191105.03	1.98E-07	7.62E-08	2.74E-07	3.17E-08	1.19E-08	4.37E-08	1.87E-08	8.54E-09	2.73E-08	1.55E-08	5.17E-09	2.07E-08
792	564301.05	4191101.47	2.29E-07	8.81E-08	3.17E-07	3.67E-08	1.38E-08	5.05E-08	2.17E-08	9.89E-09	3.16E-08	1.80E-08	5.99E-09	2.40E-08
793	564316.63	4191097.91	2.56E-07	9.86E-08	3.55E-07	4.11E-08	1.54E-08	5.65E-08	2.42E-08	1.11E-08	3.53E-08	2.01E-08	6.69E-09	2.68E-08
794	564332.21	4191094.35	2.77E-07	1.07E-07	3.84E-07	4.45E-08	1.67E-08	6.12E-08	2.63E-08	1.20E-08	3.82E-08	2.18E-08	7.25E-09	2.90E-08
795	564089.19	4191285.06	7.93E-08	3.05E-08	1.10E-07	1.27E-08	4.78E-09	1.75E-08	7.51E-09	3.42E-09	1.09E-08	6.22E-09	2.07E-09	8.29E-09
796	564086.43	4191301.23	8.02E-08	3.09E-08	1.11E-07	1.29E-08	4.83E-09	1.77E-08	7.59E-09	3.46E-09	1.11E-08	6.29E-09	2.10E-09	8.39E-09
797	564083.66	4191317.4	8.25E-08	3.18E-08	1.14E-07	1.32E-08	4.98E-09	1.82E-08	7.81E-09	3.56E-09	1.14E-08	6.48E-09	2.16E-09	8.63E-09
798	564084.97	4191268.54	7.53E-08	2.90E-08	1.04E-07	1.21E-08	4.54E-09	1.66E-08	7.13E-09	3.25E-09	1.04E-08	5.91E-09	1.97E-09	7.87E-09
799	564093.47	4191255.04	7.82E-08	3.01E-08	1.08E-07	1.25E-08	4.71E-09	1.73E-08	7.40E-09	3.38E-09	1.08E-08	6.14E-09	2.04E-09	8.18E-09
800	564101.96	4191241.54	7.98E-08	3.07E-08	1.11E-07	1.28E-08	4.81E-09	1.76E-08	7.56E-09	3.45E-09	1.10E-08	6.26E-09	2.09E-09	8.35E-09
801	564110.46	4191228.04	7.99E-08	3.07E-08	1.11E-07	1.28E-08	4.82E-09	1.76E-08	7.56E-09	3.45E-09	1.10E-08	6.27E-09	2.09E-09	8.36E-09
802	564118.95	4191214.54	7.82E-08	3.01E-08	1.08E-07	1.25E-08	4.71E-09	1.73E-08	7.40E-09	3.38E-09	1.08E-08	6.14E-09	2.04E-09	8.18E-09
803	564127.45	4191201.04	7.52E-08	2.89E-08	1.04E-07	1.21E-08	4.53E-09	1.66E-08	7.12E-09	3.25E-09	1.04E-08	5.90E-09	1.97E-09	7.87E-09
804	564135.94	4191187.54	7.19E-08	2.77E-08	9.96E-08	1.15E-08	4.33E-09	1.59E-08	6.81E-09	3.10E-09	9.91E-09	5.64E-09	1.88E-09	7.52E-09
805	564144.44	4191174.04	6.92E-08	2.66E-08	9.58E-08	1.11E-08	4.17E-09	1.53E-08	6.55E-09	2.99E-09	9.54E-09	5.43E-09	1.81E-09	7.24E-09
806	564152.94	4191160.54	6.72E-08	2.59E-08	9.31E-08	1.08E-08	4.05E-09	1.48E-08	6.37E-09	2.90E-09	9.27E-09	5.28E-09	1.76E-09	7.03E-09
807	564161.43	4191147.04	6.57E-08	2.53E-08	9.10E-08	1.05E-08	3.96E-09	1.45E-08	6.22E-09	2.84E-09	9.06E-09	5.16E-09	1.72E-09	6.88E-09
808	564186.2	4191118.26	6.72E-08	2.59E-08	9.31E-08	1.08E-08	4.05E-09	1.48E-08	6.37E-09	2.90E-09	9.27E-09	5.28E-09	1.76E-09	7.03E-09
809	564217.3	4191111.15	8.45E-08	3.25E-08	1.17E-07	1.36E-08	5.09E-09	1.86E-08	8.00E-09	3.65E-09	1.16E-08	6.63E-09	2.21E-09	8.83E-09
810	564232.85	4191107.59	9.90E-08	3.81E-08	1.37E-07	1.59E-08	5.97E-09	2.18E-08	9.37E-09	4.27E-09	1.36E-08	7.76E-09	2.59E-09	1.04E-08
811	564248.4	4191104.03	1.20E-07	4.62E-08	1.66E-07	1.93E-08	7.24E-09	2.65E-08	1.14E-08	5.19E-09	1.66E-08	9.42E-09	3.14E-09	1.26E-08
812	564263.95	4191100.48	1.47E-07	5.66E-08	2.04E-07	2.36E-08	8.87E-09	3.25E-08	1.39E-08	6.35E-09	2.03E-08	1.15E-08	3.85E-09	1.54E-08
813	564279.5	4191096.92	1.77E-07	6.80E-08	2.45E-07	2.83E-08	1.06E-08	3.90E-08	1.67E-08	7.63E-09	2.44E-08	1.39E-08	4.62E-09	1.85E-08
814	564295.05	4191093.37	2.05E-07	7.88E-08	2.84E-07	3.29E-08	1.24E-08	4.52E-08	1.94E-08	8.85E-09	2.82E-08	1.61E-08	5.36E-09	2.14E-08
815	564310.59	4191089.81	2.30E-07	8.87E-08	3.19E-07	3.70E-08	1.39E-08	5.09E-08	2.18E-08	9.95E-09	3.18E-08	1.81E-08	6.02E-09	2.41E-08
816	564326.14	4191086.25	2.52E-07	9.69E-08	3.49E-07	4.04E-08	1.52E-08	5.56E-08	2.38E-08	1.09E-08	3.47E-08	1.98E-08	6.58E-09	2.63E-08
817	564341.69	4191082.7	2.68E-07	1.03E-07	3.71E-07	4.30E-08	1.61E-08	5.91E-08	2.54E-08	1.16E-08	3.69E-08	2.10E-08	7.00E-09	2.80E-08
818	564079.34	4191283.37	7.36E-08	2.83E-08	1.02E-07	1.18E-08	4.44E-09	1.62E-08	6.97E-09	3.18E-09	1.01E-08	5.77E-09	1.92E-09	7.70E-09
819	564076.57	4191299.54	7.43E-08	2.86E-08	1.03E-07	1.19E-08	4.48E-09	1.64E-08	7.03E-09	3.21E-09	1.02E-08	5.83E-09	1.94E-09	7.77E-09
820	564073.8	4191315.71	7.65E-08	2.94E-08	1.06E-07	1.23E-08	4.61E-09	1.69E-08	7.24E-09	3.30E-09	1.05E-08	6.00E-09	2.00E-09	8.00E-09
821	564075.11	4191266.86	7.00E-08	2.69E-08	9.69E-08	1.12E-08	4.22E-09	1.54E-08	6.63E-09	3.02E-09	9.65E-09	5.49E-09	1.83E-09	7.32E-09
822	564083.59	4191253.39	7.29E-08	2.81E-08	1.01E-07	1.17E-08	4.39E-09	1.61E-08	6.90E-09	3.15E-09	1.00E-08	5.72E-09	1.91E-09	7.63E-09
823	564092.07	4191239.91	7.45E-08	2.87E-08	1.03E-07	1.20E-08	4.49E-09	1.64E-08	7.05E-09	3.22E-09	1.03E-08	5.85E-09	1.95E-09	7.79E-09
824	564100.55	4191226.43	7.47E-08	2.88E-08	1.03E-07	1.20E-08	4.50E-09	1.65E-08	7.07E-09	3.23E-09	1.03E-08	5.86E-09	1.95E-09	7.82E-09
825	564109.03	4191212.96	7.35E-08	2.83E-08	1.02E-07	1.18E-08	4.43E-09	1.62E-08	6.96E-09	3.17E-09	1.01E-08	5.77E-09	1.92E-09	7.69E-09
826	564117.51	4191199.48	7.11E-08	2.73E-08	9.84E-08	1.14E-08	4.28E-09	1.57E-08	6.73E-09	3.07E-09	9.80E-09	5.58E-09	1.86E-09	7.43E-09
827	564125.99	4191186	6.80E-08	2.62E-08	9.41E-08	1.09E-08	4.10E-09	1.50E-08	6.44E-09	2.93E-09	9.37E-09	5.33E-09	1.78E-09	7.11E-09
828	564134.47	4191172.53	6.53E-08	2.51E-08	9.04E-08	1.05E-08	3.94E-09	1.44E-08	6.18E-09	2.82E-09	9.00E-09	5.12E-09	1.71E-09	6.83E-09
829	564142.95	4191159.05	6.34E-08	2.44E-08	8.77E-08	1.02E-08	3.82E-09	1.40E-08	6.00E-09	2.73E-09	8.73E-09	4.97E-09	1.66E-09	6.63E-09
830	564151.44	4191145.57	6.19E-08	2.38E-08	8.58E-08	9.94E-09	3.73E-09	1.37E-08	5.86E-09	2.67E-09	8.54E-09	4.86E-09	1.62E-09	6.48E-09
831	564168.4	4191118.62	6.02E-08	2.32E-08	8.34E-08	9.67E-09	3.63E-09	1.33E-08	5.70E-09	2.60E-09	8.30E-09	4.73E-09	1.57E-09	6.30E-09
832	564180.4	4191110.11	6.27E-08	2.41E-08	8.69E-08	1.01E-08	3.78E-09	1.38E-08	5.94E-09	2.71E-09	8.65E-09	4.92E-09	1.64E-09	6.56E-09
833	564195.92	4191106.56	6.91E-08	2.66E-08	9.57E-08	1.11E-08	4.17E-09	1.53E-08	6.54E-09	2.98E-09	9.53E-09	5.42E-09	1.81E-09	7.23E-09
834	564226.97	4191099.46	9.03E-08	3.47E-08	1.25E-07	1.45E-08	5.44E-09	1.99E-08	8.55E-09	3.90E-09	1.24E-08	7.08E-09	2.36E-09	9.44E-09
835	564242.49	4191095.91	1.08E-07	4.17E-08	1.50E-07	1.74E-08	6.53E-09	2.39E-08	1.03E-08	4.68E-09	1.49E-08	8.50E-09	2.83E-09	1.13E-08
836	564258.01	4191092.36	1.32E-07	5.08E-08	1.83E-07	2.12E-08	7.96E-09	2.91E-08	1.25E-08	5.70E-09	1.82E-08	1.04E-08	3.45E-09	1.38E-08
837	564273.53	4191088.81	1.58E-07	6.10E-08	2.19E-07	2.54E-08	9.55E-09	3.50E-08	1.50E-08	6.84E-09	2.18E-08	1.24E-08	4.14E-09	1.66E-08
838	564289.06	4191085.26	1.84E-07	7.09E-08	2.55E-07	2.95E-08	1.11E-08	4.06E-08	1.74E-08	7.95E-09	2.54E-08	1.44E-08	4.81E-09	1.93E-08
839	564304.58	4191081.71	2.08E-07	8.00E-08	2.88E-07	3.33E-08	1.25E-08	4.59E-08	1.97E-08	8.97E-09	2.86E-08	1.63E-08	5.43E-09	2.17E-08
840	564320.1	4191078.16	2.28E-07	8.79E-08	3.16E-07	3.66E-08	1.38E-08	5.04E-08	2.16E-08	9.86E-09	3.15E-08	1.79E-08	5.97E-09	2.39E-08
841	564335.62	4191074.61	2.45E-07	9.44E-08	3.40E-07	3.94E-08	1.48E-08	5.41E-08	2.32E-08	1.06E-08	3.38E-08	1.92E-08	6.41E-09	2.57E-08
842	564069.48	4191281.69	6.84E-08	2.63E-08	9.47E-08	1.10E-08	4.12E-09	1.51E-08	6.47E-09	2.95E-09	9.42E-09	5.36E-09	1.79E-09	7.15E-09
843	564066.71	4191297.86	6.90E-08	2.66E-08	9.56E-08	1.11E-08	4.16E-09	1.52E-08	6.53E-09	2.98E-09	9.51E-09	5.41E-09	1.80E-09	7.22E-09
844	564063.95	4191314.02	7.10E-08	2.73E-08	9.83E-08	1.14E-08	4.28E-09	1.57E-08	6.72E-09	3.07E-09	9.79E-09	5.57E-09	1.86E-09	7.43E-09
845	564065.24	4191265.19	6.52E-08	2.51E-08	9.03E-08	1.05E-08	3.93E-09	1.44E-08	6.17E-09	2.81E-09	8.99E-09	5.12E-09	1.70E-09	6.82E-09
846	564073.71	4191251.73	6.80E-08	2.61E-08	9.41E-08	1.09E-08	4.10E-09	1.50E-08	6.43E-09	2.93E-09	9.37E-09	5.33E-09	1.78E-09	7.11E-09
847	564082.18	4191238.28	6.97E-08	2.68E-08	9.65E-08	1.12E-08	4.20E-09	1.54E-08	6.60E-09	3.01E-09	9.60E-09	5.47E-09	1.82E-09	7.29E-09
848	564090.64	4191224.82	7.00E-08	2.69E-08	9.70E-08	1.12E-08	4.22E-09	1.55E-08	6.63E-09	3.02E-09	9.65E-09	5.49E-09	1.83E-09	7.32E-09

849	564099.11	4191211.37	6.92E-08	2.66E-08	9.58E-08	1.11E-08	4.17E-09	1.53E-08	6.55E-09	2.99E-09	9.53E-09	5.43E-09	1.81E-09	7.23E-09
850	564107.58	4191197.91	6.72E-08	2.58E-08	9.30E-08	1.08E-08	4.05E-09	1.48E-08	6.36E-09	2.90E-09	9.26E-09	5.27E-09	1.76E-09	7.02E-09
851	564116.05	4191184.46	6.44E-08	2.48E-08	8.92E-08	1.03E-08	3.88E-09	1.42E-08	6.10E-09	2.78E-09	8.87E-09	5.05E-09	1.68E-09	6.73E-09
852	564124.51	4191171	6.18E-08	2.38E-08	8.55E-08	9.91E-09	3.72E-09	1.36E-08	5.85E-09	2.67E-09	8.51E-09	4.85E-09	1.61E-09	6.46E-09
853	564132.98	4191157.55	5.98E-08	2.30E-08	8.28E-08	9.60E-09	3.61E-09	1.32E-08	5.66E-09	2.58E-09	8.25E-09	4.69E-09	1.56E-09	6.26E-09
854	564141.45	4191144.09	5.85E-08	2.25E-08	8.10E-08	9.38E-09	3.53E-09	1.29E-08	5.54E-09	2.52E-09	8.06E-09	4.59E-09	1.53E-09	6.12E-09
855	564158.38	4191117.18	5.66E-08	2.18E-08	7.84E-08	9.09E-09	3.41E-09	1.25E-08	5.36E-09	2.45E-09	7.81E-09	4.44E-09	1.48E-09	5.92E-09
856	564174.6	4191101.95	5.87E-08	2.26E-08	8.13E-08	9.41E-09	3.54E-09	1.30E-08	5.56E-09	2.53E-09	8.09E-09	4.60E-09	1.53E-09	6.14E-09
857	564190.1	4191098.41	6.43E-08	2.47E-08	8.90E-08	1.03E-08	3.87E-09	1.42E-08	6.08E-09	2.77E-09	8.86E-09	5.04E-09	1.68E-09	6.72E-09
858	564221.09	4191091.32	8.27E-08	3.18E-08	1.15E-07	1.33E-08	4.98E-09	1.83E-08	7.83E-09	3.57E-09	1.14E-08	6.49E-09	2.16E-09	8.65E-09
859	564236.59	4191087.78	9.82E-08	3.78E-08	1.36E-07	1.58E-08	5.92E-09	2.17E-08	9.30E-09	4.24E-09	1.35E-08	7.71E-09	2.57E-09	1.03E-08
860	564252.09	4191084.23	1.19E-07	4.58E-08	1.65E-07	1.91E-08	7.17E-09	2.62E-08	1.13E-08	5.13E-09	1.64E-08	9.33E-09	3.11E-09	1.24E-08
861	564267.59	4191080.69	1.43E-07	5.50E-08	1.98E-07	2.29E-08	8.61E-09	3.15E-08	1.35E-08	6.17E-09	1.97E-08	1.12E-08	3.73E-09	1.49E-08
862	564283.08	4191077.14	1.66E-07	6.40E-08	2.30E-07	2.67E-08	1.00E-08	3.67E-08	1.57E-08	7.18E-09	2.29E-08	1.30E-08	4.35E-09	1.74E-08
863	564298.58	4191073.6	1.88E-07	7.24E-08	2.60E-07	3.02E-08	1.13E-08	4.15E-08	1.78E-08	8.12E-09	2.59E-08	1.48E-08	4.92E-09	1.97E-08
864	564314.08	4191070.05	2.08E-07	8.01E-08	2.88E-07	3.34E-08	1.26E-08	4.60E-08	1.97E-08	8.99E-09	2.87E-08	1.63E-08	5.44E-09	2.18E-08
865	564059.62	4191280	6.37E-08	2.45E-08	8.82E-08	1.02E-08	3.84E-09	1.41E-08	6.03E-09	2.75E-09	8.78E-09	5.00E-09	1.66E-09	6.66E-09
866	564056.86	4191296.17	6.43E-08	2.47E-08	8.90E-08	1.03E-08	3.87E-09	1.42E-08	6.08E-09	2.77E-09	8.86E-09	5.04E-09	1.68E-09	6.72E-09
867	564054.09	4191312.34	6.61E-08	2.54E-08	9.16E-08	1.06E-08	3.99E-09	1.46E-08	6.26E-09	2.85E-09	9.12E-09	5.19E-09	1.73E-09	6.92E-09
868	564055.38	4191263.51	6.09E-08	2.34E-08	8.43E-08	9.77E-09	3.67E-09	1.34E-08	5.77E-09	2.63E-09	8.39E-09	4.78E-09	1.59E-09	6.37E-09
869	564063.83	4191250.08	6.35E-08	2.44E-08	8.79E-08	1.02E-08	3.83E-09	1.40E-08	6.01E-09	2.74E-09	8.75E-09	4.98E-09	1.66E-09	6.64E-09
870	564072.29	4191236.64	6.53E-08	2.51E-08	9.04E-08	1.05E-08	3.94E-09	1.44E-08	6.18E-09	2.82E-09	9.00E-09	5.12E-09	1.71E-09	6.83E-09
871	564080.74	4191223.2	6.58E-08	2.53E-08	9.11E-08	1.06E-08	3.97E-09	1.45E-08	6.23E-09	2.84E-09	9.07E-09	5.16E-09	1.72E-09	6.88E-09
872	564089.2	4191209.77	6.52E-08	2.51E-08	9.02E-08	1.05E-08	3.93E-09	1.44E-08	6.17E-09	2.81E-09	8.98E-09	5.11E-09	1.70E-09	6.82E-09
873	564097.65	4191196.33	6.35E-08	2.44E-08	8.79E-08	1.02E-08	3.83E-09	1.40E-08	6.01E-09	2.74E-09	8.75E-09	4.98E-09	1.66E-09	6.64E-09
874	564106.11	4191182.9	6.10E-08	2.35E-08	8.45E-08	9.79E-09	3.68E-09	1.35E-08	5.78E-09	2.63E-09	8.41E-09	4.79E-09	1.60E-09	6.38E-09
875	564114.56	4191169.46	5.85E-08	2.25E-08	8.10E-08	9.39E-09	3.53E-09	1.29E-08	5.54E-09	2.53E-09	8.06E-09	4.59E-09	1.53E-09	6.12E-09
876	564123.02	4191156.03	5.66E-08	2.18E-08	7.84E-08	9.08E-09	3.41E-09	1.25E-08	5.36E-09	2.44E-09	7.80E-09	4.44E-09	1.48E-09	5.92E-09
877	564131.47	4191142.59	5.53E-08	2.13E-08	7.65E-08	8.87E-09	3.33E-09	1.22E-08	5.23E-09	2.39E-09	7.62E-09	4.34E-09	1.44E-09	5.78E-09
878	564148.38	4191115.72	5.34E-08	2.06E-08	7.40E-08	8.57E-09	3.22E-09	1.18E-08	5.06E-09	2.31E-09	7.36E-09	4.19E-09	1.40E-09	5.59E-09
879	564156.84	4191102.29	5.30E-08	2.04E-08	7.34E-08	8.50E-09	3.19E-09	1.17E-08	5.02E-09	2.29E-09	7.30E-09	4.16E-09	1.39E-09	5.54E-09
880	564168.8	4191093.8	5.50E-08	2.12E-08	7.62E-08	8.83E-09	3.32E-09	1.21E-08	5.21E-09	2.38E-09	7.59E-09	4.32E-09	1.44E-09	5.76E-09
881	564184.28	4191090.26	6.00E-08	2.31E-08	8.31E-08	9.62E-09	3.62E-09	1.32E-08	5.68E-09	2.59E-09	8.27E-09	4.71E-09	1.57E-09	6.27E-09
882	564199.75	4191086.72	6.66E-08	2.56E-08	9.22E-08	1.07E-08	4.01E-09	1.47E-08	6.30E-09	2.87E-09	9.17E-09	5.22E-09	1.74E-09	6.96E-09
883	564230.7	4191079.64	8.95E-08	3.44E-08	1.24E-07	1.44E-08	5.39E-09	1.98E-08	8.47E-09	3.86E-09	1.23E-08	7.02E-09	2.34E-09	9.36E-09
884	564246.18	4191076.1	1.08E-07	4.14E-08	1.49E-07	1.73E-08	6.49E-09	2.37E-08	1.02E-08	4.64E-09	1.48E-08	8.44E-09	2.81E-09	1.13E-08
885	564261.65	4191072.56	1.29E-07	4.97E-08	1.79E-07	2.07E-08	7.79E-09	2.85E-08	1.22E-08	5.58E-09	1.78E-08	1.01E-08	3.38E-09	1.35E-08
886	564277.13	4191069.02	1.51E-07	5.81E-08	2.09E-07	2.42E-08	9.11E-09	3.33E-08	1.43E-08	6.52E-09	2.08E-08	1.19E-08	3.95E-09	1.58E-08
887	564292.6	4191065.49	1.71E-07	6.59E-08	2.37E-07	2.75E-08	1.03E-08	3.78E-08	1.62E-08	7.39E-09	2.36E-08	1.34E-08	4.48E-09	1.79E-08
888	564339.03	4191054.87	2.20E-07	8.47E-08	3.05E-07	3.53E-08	1.33E-08	4.86E-08	2.08E-08	9.50E-09	3.03E-08	1.73E-08	5.75E-09	2.30E-08
889	564049.77	4191278.31	5.95E-08	2.29E-08	8.24E-08	9.55E-09	3.59E-09	1.31E-08	5.63E-09	2.57E-09	8.20E-09	4.67E-09	1.56E-09	6.22E-09
890	564047	4191294.48	6.00E-08	2.31E-08	8.31E-08	9.63E-09	3.62E-09	1.33E-08	5.68E-09	2.59E-09	8.28E-09	4.71E-09	1.57E-09	6.28E-09
891	564044.23	4191310.65	6.16E-08	2.37E-08	8.54E-08	9.89E-09	3.72E-09	1.36E-08	5.84E-09	2.66E-09	8.50E-09	4.84E-09	1.61E-09	6.45E-09
892	564045.52	4191261.83	5.70E-08	2.19E-08	7.90E-08	9.15E-09	3.44E-09	1.26E-08	5.40E-09	2.46E-09	7.86E-09	4.47E-09	1.49E-09	5.96E-09
893	564053.96	4191248.42	5.95E-08	2.29E-08	8.24E-08	9.54E-09	3.59E-09	1.31E-08	5.63E-09	2.57E-09	8.20E-09	4.67E-09	1.55E-09	6.22E-09
894	564062.4	4191235	6.13E-08	2.36E-08	8.50E-08	9.84E-09	3.70E-09	1.35E-08	5.81E-09	2.65E-09	8.46E-09	4.81E-09	1.60E-09	6.42E-09
895	564070.85	4191221.58	6.20E-08	2.39E-08	8.59E-08	9.95E-09	3.74E-09	1.37E-08	5.87E-09	2.68E-09	8.55E-09	4.87E-09	1.62E-09	6.49E-09
896	564079.29	4191208.16	6.15E-08	2.37E-08	8.52E-08	9.87E-09	3.71E-09	1.36E-08	5.82E-09	2.66E-09	8.48E-09	4.83E-09	1.61E-09	6.43E-09
897	564087.73	4191194.75	6.01E-08	2.31E-08	8.32E-08	9.64E-09	3.62E-09	1.33E-08	5.69E-09	2.59E-09	8.28E-09	4.71E-09	1.57E-09	6.29E-09
898	564096.18	4191181.33	5.80E-08	2.23E-08	8.03E-08	9.30E-09	3.49E-09	1.28E-08	5.49E-09	2.50E-09	7.99E-09	4.55E-09	1.52E-09	6.06E-09
899	564104.62	4191167.91	5.56E-08	2.14E-08	7.71E-08	8.93E-09	3.35E-09	1.23E-08	5.27E-09	2.40E-09	7.67E-09	4.37E-09	1.45E-09	5.82E-09
900	564113.06	4191154.5	5.37E-08	2.07E-08	7.44E-08	8.62E-09	3.24E-09	1.19E-08	5.08E-09	2.32E-09	7.40E-09	4.21E-09	1.40E-09	5.62E-09
901	564121.51	4191141.08	5.24E-08	2.01E-08	7.25E-08	8.40E-09	3.16E-09	1.16E-08	4.96E-09	2.26E-09	7.22E-09	4.11E-09	1.37E-09	5.48E-09
902	564138.39	4191114.25	5.05E-08	1.94E-08	6.99E-08	8.10E-09	3.04E-09	1.11E-08	4.78E-09	2.18E-09	6.96E-09	3.96E-09	1.32E-09	5.28E-09
903	564146.84	4191100.83	5.00E-08	1.92E-08	6.92E-08	8.02E-09	3.01E-09	1.10E-08	4.73E-09	2.16E-09	6.89E-09	3.92E-09	1.31E-09	5.23E-09
904	564163.01	4191085.65	5.17E-08	1.99E-08	7.16E-08	8.30E-09	3.12E-09	1.14E-08	4.90E-09	2.23E-09	7.13E-09	4.06E-09	1.35E-09	5.41E-09
905	564178.46	4191082.11	5.62E-08	2.16E-08	7.78E-08	9.01E-09	3.39E-09	1.24E-08	5.32E-09	2.43E-09	7.74E-09	4.41E-09	1.47E-09	5.88E-09
906	564193.91	4191078.58	6.19E-08	2.38E-08	8.58E-08	9.94E-09	3.73E-09	1.37E-08	5.86E-09	2.67E-09	8.54E-09	4.86E-09	1.62E-09	6.48E-09
907	564224.82	4191071.51	8.19E-08	3.15E-08	1.13E-07	1.31E-08	4.94E-09	1.81E-08	7.75E-09	3.53E-09	1.13E-08	6.42E-09	2.14E-09	8.56E-09
908	564240.28	4191067.97	9.77E-08	3.76E-08	1.35E-07	1.57E-08	5.89E-09	2.16E-08	9.25E-09	4.22E-09	1.35E-08	7.67E-09	2.55E-09	1.02E-08
909	564255.73	4191064.44	1.17E-07	4.50E-08	1.62E-07	1.88E-08	7.06E-09	2.58E-08	1.11E-08	5.05E-09	1.61E-08	9.18E-09	3.06E-09	1.22E-08
910	564271.18	4191060.91	1.38E-07	5.29E-08	1.90E-07	2.21E-08	8.29E-09	3.04E-08	1.30E-08	5.94E-09	1.90E-08	1.08E-08	3.60E-09	1.44E-08
911	564317.54	4191050.3	1.90E-07	7.32E-08	2.63E-07	3.05E-08	1.15E-08	4.20E-08	1.80E-08	8.21E-09	2.62E-08	1.49E-08	4.97E-09	1.99E-08
912	564333	4191046.77	2.03E-07	7.83E-08	2.82E-07	3.26E-08	1.23E-08	4.49E-08	1.93E-08	8.78E-09	2.80E-08	1.60E-08	5.32E-09	2.13E-08
913	564348.45	4191043.23	2.13E-07	8.21E-08	2.95E-07	3.42E-08	1.29E-08	4.71E-08	2.02E-08	9.21E-09	2.94E-08	1.67E-08	5.57E-09	2.23E-08
914	564039.91	4191276.62	5.58E-08	2.15E-08	7.73E-08	8.95E-09	3.36E-09	1.23E-08	5.28E-09	2.41E-09	7.69E-09	4.38E-09	1.46E-09	5.84E-09
915	564037.14	4191292.79	5.63E-08	2.16E-08	7.79E-08	9.03E-09	3.39E-09	1.24E-08	5.33E-09	2.43E-09	7.75E-09	4.41E-09	1.47E-09	5.88E-09
916	564034.38	4191308.96	5.76E-08	2.22E-08	7.98E-08	9.24E-09	3.47E-09	1.27E-08	5.45E-09	2.49E-09	7.94E-09	4.52E-09	1.51E-09	6.02E-09
917	564035.66	4191260.15	5.35E-08	2.06E-08	7.41E-08	8.58E-09	3.23E-09	1.18E-08	5.07E-09	2.31E-09	7.38E-09	4.20E-09	1.40E-09	5.60E-09
918	564044.09	4191246.75	5.58E-08	2.15E-08	7.73E-08	8.95E-09	3.36E-09	1.23E-08	5.28E-09	2.41E-09	7.69E-09	4.38E-09	1.46E-09	5.84E-09
919	564052.52	4191233.35	5.77E-08	2.22E-08	7.99E-08	9.26E-09	3.48E-09	1.27E-08	5.47E-09	2.49E-09	7.96E-09	4.53E-09	1.51E-09	6.04E-09

920	564060.95	4191219.95	5.85E-08	2.25E-08	8.11E-08	9.39E-09	3.53E-09	1.29E-08	5.54E-09	2.53E-09	8.07E-09	4.59E-09	1.53E-09	6.12E-09
921	564069.39	4191206.55	5.82E-08	2.24E-08	8.06E-08	9.33E-09	3.51E-09	1.28E-08	5.51E-09	2.51E-09	8.02E-09	4.57E-09	1.52E-09	6.09E-09
922	564077.82	4191193.15	5.70E-08	2.19E-08	7.89E-08	9.14E-09	3.43E-09	1.26E-08	5.39E-09	2.46E-09	7.85E-09	4.47E-09	1.49E-09	5.96E-09
923	564086.25	4191179.75	5.52E-08	2.12E-08	7.64E-08	8.85E-09	3.32E-09	1.22E-08	5.22E-09	2.38E-09	7.60E-09	4.33E-09	1.44E-09	5.77E-09
924	564094.68	4191166.35	5.30E-08	2.04E-08	7.35E-08	8.51E-09	3.20E-09	1.17E-08	5.02E-09	2.29E-09	7.31E-09	4.16E-09	1.39E-09	5.55E-09
925	564103.12	4191152.96	5.11E-08	1.97E-08	7.08E-08	8.20E-09	3.08E-09	1.13E-08	4.84E-09	2.21E-09	7.05E-09	4.01E-09	1.34E-09	5.35E-09
926	564111.55	4191139.56	4.97E-08	1.91E-08	6.88E-08	7.97E-09	3.00E-09	1.10E-08	4.70E-09	2.14E-09	6.85E-09	3.90E-09	1.30E-09	5.20E-09
927	564128.41	4191112.76	4.79E-08	1.84E-08	6.64E-08	7.69E-09	2.89E-09	1.06E-08	4.54E-09	2.07E-09	6.60E-09	3.76E-09	1.25E-09	5.01E-09
928	564136.85	4191099.36	4.73E-08	1.82E-08	6.55E-08	7.59E-09	2.85E-09	1.04E-08	4.48E-09	2.04E-09	6.52E-09	3.71E-09	1.24E-09	4.95E-09
929	564145.28	4191085.96	4.70E-08	1.81E-08	6.51E-08	7.55E-09	2.84E-09	1.04E-08	4.45E-09	2.03E-09	6.48E-09	3.69E-09	1.23E-09	4.92E-09
930	564157.21	4191077.49	4.87E-08	1.88E-08	6.75E-08	7.82E-09	2.94E-09	1.08E-08	4.61E-09	2.10E-09	6.72E-09	3.82E-09	1.27E-09	5.10E-09
931	564172.65	4191073.96	5.28E-08	2.03E-08	7.31E-08	8.47E-09	3.18E-09	1.17E-08	5.00E-09	2.28E-09	7.28E-09	4.14E-09	1.38E-09	5.52E-09
932	564188.08	4191070.43	5.79E-08	2.23E-08	8.02E-08	9.29E-09	3.49E-09	1.28E-08	5.48E-09	2.50E-09	7.98E-09	4.54E-09	1.51E-09	6.06E-09
933	564203.51	4191066.9	6.50E-08	2.50E-08	8.99E-08	1.04E-08	3.92E-09	1.43E-08	6.15E-09	2.80E-09	8.95E-09	5.10E-09	1.70E-09	6.79E-09
934	564234.38	4191059.84	8.91E-08	3.43E-08	1.23E-07	1.43E-08	5.37E-09	1.97E-08	8.44E-09	3.85E-09	1.23E-08	6.99E-09	2.33E-09	9.32E-09
935	564249.82	4191056.31	1.06E-07	4.09E-08	1.47E-07	1.71E-08	6.41E-09	2.35E-08	1.01E-08	4.59E-09	1.47E-08	8.35E-09	2.78E-09	1.11E-08
936	564280.68	4191049.25	1.43E-07	5.52E-08	1.99E-07	2.30E-08	8.65E-09	3.17E-08	1.36E-08	6.19E-09	1.98E-08	1.13E-08	3.75E-09	1.50E-08
937	564296.12	4191045.72	1.60E-07	6.15E-08	2.21E-07	2.56E-08	9.63E-09	3.53E-08	1.51E-08	6.90E-09	2.20E-08	1.25E-08	4.18E-09	1.67E-08
938	564311.55	4191042.19	1.75E-07	6.74E-08	2.42E-07	2.81E-08	1.06E-08	3.86E-08	1.66E-08	7.56E-09	2.41E-08	1.37E-08	4.58E-09	1.83E-08
939	564326.98	4191038.66	1.88E-07	7.24E-08	2.61E-07	3.02E-08	1.13E-08	4.15E-08	1.78E-08	8.12E-09	2.59E-08	1.48E-08	4.92E-09	1.97E-08
940	564342.42	4191035.13	1.98E-07	7.62E-08	2.74E-07	3.18E-08	1.19E-08	4.37E-08	1.87E-08	8.54E-09	2.73E-08	1.55E-08	5.17E-09	2.07E-08
941	564030.05	4191274.94	5.24E-08	2.02E-08	7.26E-08	8.41E-09	3.16E-09	1.16E-08	4.96E-09	2.26E-09	7.23E-09	4.11E-09	1.37E-09	5.48E-09
942	564027.29	4191291.11	5.29E-08	2.03E-08	7.32E-08	8.48E-09	3.19E-09	1.17E-08	5.00E-09	2.28E-09	7.28E-09	4.15E-09	1.38E-09	5.53E-09
943	564024.52	4191307.27	5.40E-08	2.08E-08	7.48E-08	8.66E-09	3.25E-09	1.19E-08	5.11E-09	2.33E-09	7.44E-09	4.23E-09	1.41E-09	5.65E-09
944	564025.94	4191258.23	5.03E-08	1.94E-08	6.97E-08	8.07E-09	3.03E-09	1.11E-08	4.76E-09	2.17E-09	6.94E-09	3.95E-09	1.32E-09	5.26E-09
945	564034.67	4191244.37	5.26E-08	2.02E-08	7.28E-08	8.43E-09	3.17E-09	1.16E-08	4.98E-09	2.27E-09	7.25E-09	4.12E-09	1.37E-09	5.50E-09
946	564043.39	4191230.51	5.45E-08	2.10E-08	7.54E-08	8.74E-09	3.28E-09	1.20E-08	5.16E-09	2.35E-09	7.51E-09	4.27E-09	1.42E-09	5.70E-09
947	564052.11	4191216.65	5.53E-08	2.13E-08	7.66E-08	8.87E-09	3.33E-09	1.22E-08	5.24E-09	2.39E-09	7.62E-09	4.34E-09	1.45E-09	5.79E-09
948	564060.84	4191202.79	5.50E-08	2.12E-08	7.61E-08	8.82E-09	3.31E-09	1.21E-08	5.20E-09	2.37E-09	7.58E-09	4.31E-09	1.44E-09	5.75E-09
949	564069.56	4191188.93	5.38E-08	2.07E-08	7.45E-08	8.63E-09	3.24E-09	1.19E-08	5.09E-09	2.32E-09	7.41E-09	4.22E-09	1.41E-09	5.63E-09
950	564078.28	4191175.06	5.21E-08	2.00E-08	7.21E-08	8.35E-09	3.14E-09	1.15E-08	4.93E-09	2.25E-09	7.18E-09	4.09E-09	1.36E-09	5.45E-09
951	564087.01	4191161.2	5.01E-08	1.93E-08	6.94E-08	8.04E-09	3.02E-09	1.11E-08	4.74E-09	2.16E-09	6.90E-09	3.93E-09	1.31E-09	5.24E-09
952	564095.73	4191147.34	4.82E-08	1.86E-08	6.68E-08	7.74E-09	2.91E-09	1.06E-08	4.57E-09	2.08E-09	6.65E-09	3.78E-09	1.26E-09	5.04E-09
953	564104.45	4191133.48	4.69E-08	1.80E-08	6.49E-08	7.52E-09	2.83E-09	1.03E-08	4.44E-09	2.02E-09	6.46E-09	3.68E-09	1.23E-09	4.90E-09
954	564121.9	4191105.75	4.53E-08	1.74E-08	6.27E-08	7.27E-09	2.73E-09	1.00E-08	4.29E-09	1.95E-09	6.24E-09	3.55E-09	1.18E-09	4.74E-09
955	564130.62	4191091.89	4.47E-08	1.72E-08	6.19E-08	7.18E-09	2.70E-09	9.87E-09	4.23E-09	1.93E-09	6.17E-09	3.51E-09	1.17E-09	4.68E-09
956	564139.35	4191078.03	4.45E-08	1.71E-08	6.16E-08	7.13E-09	2.68E-09	9.81E-09	4.21E-09	1.92E-09	6.13E-09	3.49E-09	1.16E-09	4.65E-09
957	564151.69	4191069.27	4.61E-08	1.77E-08	6.38E-08	7.39E-09	2.78E-09	1.02E-08	4.36E-09	1.99E-09	6.35E-09	3.61E-09	1.20E-09	4.82E-09
958	564167.66	4191065.62	4.99E-08	1.92E-08	6.91E-08	8.01E-09	3.01E-09	1.10E-08	4.72E-09	2.15E-09	6.88E-09	3.92E-09	1.30E-09	5.22E-09
959	564183.62	4191061.97	5.48E-08	2.11E-08	7.59E-08	8.79E-09	3.30E-09	1.21E-08	5.19E-09	2.37E-09	7.55E-09	4.30E-09	1.43E-09	5.73E-09
960	564199.59	4191058.32	6.15E-08	2.37E-08	8.51E-08	9.86E-09	3.71E-09	1.36E-08	5.82E-09	2.65E-09	8.47E-09	4.82E-09	1.61E-09	6.43E-09
961	564263.45	4191043.71	1.19E-07	4.58E-08	1.65E-07	1.91E-08	7.18E-09	2.63E-08	1.13E-08	5.14E-09	1.64E-08	9.34E-09	3.11E-09	1.25E-08
962	564279.42	4191040.06	1.36E-07	5.24E-08	1.89E-07	2.19E-08	8.21E-09	3.01E-08	1.29E-08	5.88E-09	1.88E-08	1.07E-08	3.56E-09	1.42E-08
963	564295.39	4191036.41	1.52E-07	5.85E-08	2.10E-07	2.44E-08	9.16E-09	3.35E-08	1.44E-08	6.56E-09	2.09E-08	1.19E-08	3.97E-09	1.59E-08
964	564311.35	4191032.76	1.66E-07	6.41E-08	2.31E-07	2.67E-08	1.00E-08	3.67E-08	1.58E-08	7.19E-09	2.29E-08	1.31E-08	4.35E-09	1.74E-08
965	564327.32	4191029.11	1.79E-07	6.87E-08	2.47E-07	2.87E-08	1.08E-08	3.94E-08	1.69E-08	7.71E-09	2.46E-08	1.40E-08	4.67E-09	1.87E-08
966	564343.28	4191025.46	1.87E-07	7.21E-08	2.59E-07	3.00E-08	1.13E-08	4.13E-08	1.77E-08	8.09E-09	2.58E-08	1.47E-08	4.90E-09	1.96E-08
967	564020.2	4191273.25	4.93E-08	1.90E-08	6.83E-08	7.92E-09	2.97E-09	1.09E-08	4.67E-09	2.13E-09	6.80E-09	3.87E-09	1.29E-09	5.16E-09
968	564017.43	4191289.42	4.97E-08	1.91E-08	6.88E-08	7.97E-09	3.00E-09	1.10E-08	4.71E-09	2.15E-09	6.85E-09	3.90E-09	1.30E-09	5.20E-09
969	564014.66	4191305.59	5.07E-08	1.95E-08	7.02E-08	8.14E-09	3.06E-09	1.12E-08	4.80E-09	2.19E-09	6.99E-09	3.98E-09	1.33E-09	5.31E-09
970	564016.08	4191256.56	4.75E-08	1.83E-08	6.57E-08	7.62E-09	2.86E-09	1.05E-08	4.49E-09	2.05E-09	6.54E-09	3.72E-09	1.24E-09	4.97E-09
971	564024.78	4191242.73	4.95E-08	1.90E-08	6.85E-08	7.94E-09	2.98E-09	1.09E-08	4.69E-09	2.14E-09	6.82E-09	3.88E-09	1.29E-09	5.18E-09
972	564033.48	4191228.9	5.13E-08	1.97E-08	7.11E-08	8.23E-09	3.09E-09	1.13E-08	4.86E-09	2.22E-09	7.07E-09	4.03E-09	1.34E-09	5.37E-09
973	564042.19	4191215.07	5.23E-08	2.01E-08	7.24E-08	8.39E-09	3.15E-09	1.15E-08	4.95E-09	2.26E-09	7.21E-09	4.10E-09	1.37E-09	5.47E-09
974	564050.89	4191201.24	5.21E-08	2.01E-08	7.22E-08	8.36E-09	3.14E-09	1.15E-08	4.93E-09	2.25E-09	7.18E-09	4.09E-09	1.36E-09	5.45E-09
975	564059.59	4191187.41	5.11E-08	1.97E-08	7.08E-08	8.20E-09	3.08E-09	1.13E-08	4.84E-09	2.21E-09	7.05E-09	4.01E-09	1.34E-09	5.35E-09
976	564068.3	4191173.58	4.96E-08	1.91E-08	6.87E-08	7.96E-09	2.99E-09	1.10E-08	4.70E-09	2.14E-09	6.84E-09	3.89E-09	1.30E-09	5.19E-09
977	564077	4191159.75	4.78E-08	1.84E-08	6.62E-08	7.67E-09	2.88E-09	1.06E-08	4.53E-09	2.06E-09	6.59E-09	3.75E-09	1.25E-09	5.00E-09
978	564085.7	4191145.92	4.60E-08	1.77E-08	6.37E-08	7.38E-09	2.77E-09	1.02E-08	4.36E-09	1.99E-09	6.34E-09	3.61E-09	1.20E-09	4.81E-09
979	564094.41	4191132.09	4.47E-08	1.72E-08	6.18E-08	7.17E-09	2.69E-09	9.86E-09	4.23E-09	1.93E-09	6.16E-09	3.50E-09	1.17E-09	4.67E-09
980	564111.81	4191104.43	4.31E-08	1.66E-08	5.97E-08	6.92E-09	2.60E-09	9.52E-09	4.08E-09	1.86E-09	5.94E-09	3.38E-09	1.13E-09	4.51E-09
981	564120.52	4191090.6	4.25E-08	1.64E-08	5.89E-08	6.82E-09	2.56E-09	9.38E-09	4.03E-09	1.84E-09	5.86E-09	3.34E-09	1.11E-09	4.45E-09
982	564129.22	4191076.77	4.22E-08	1.62E-08	5.84E-08	6.76E-09	2.54E-09	9.30E-09	3.99E-09	1.82E-09	5.81E-09	3.31E-09	1.10E-09	4.41E-09
983	564145.89	4191061.12	4.36E-08	1.68E-08	6.03E-08	6.99E-09	2.63E-09	9.61E-09	4.12E-09	1.88E-09	6.00E-09	3.42E-09	1.14E-09	4.56E-09
984	564161.82	4191057.48	4.70E-08	1.81E-08	6.51E-08	7.55E-09	2.84E-09	1.04E-08	4.45E-09	2.03E-09	6.48E-09	3.69E-09	1.23E-09	4.92E-09
985	564177.75	4191053.84	5.15E-08	1.98E-08	7.13E-08	8.26E-09	3.10E-09	1.14E-08	4.87E-09	2.22E-09	7.10E-09	4.04E-09	1.35E-09	5.39E-09
986	564193.68	4191050.19	5.74E-08	2.21E-08	7.95E-08	9.21E-09	3.46E-09	1.27E-08	5.43E-09	2.48E-09	7.91E-09	4.50E-09	1.50E-09	6.00E-09
987	564225.54	4191042.91	7.74E-08	2.98E-08	1.07E-07	1.24E-08	4.66E-09	1.71E-08	7.32E-09	3.34E-09	1.07E-08	6.07E-09	2.02E-09	8.09E-09
988	564241.46	4191039.26	9.19E-08	3.54E-08	1.27E-07	1.48E-08	5.54E-09	2.03E-08	8.70E-09	3.97E-09	1.27E-08	7.21E-09	2.40E-09	9.62E-09
989	564257.39	4191035.62	1.08E-07	4.17E-08	1.50E-07	1.74E-08	6.53E-09	2.39E-08	1.03E-08	4.68E-09	1.49E-08	8.50E-09	2.83E-09	1.13E-08
990	564273.32	4191031.98	1.25E-07	4.80E-08	1.73E-07	2.00E-08	7.52E-09	2.75E-08	1.18E-08	5.38E-09	1.72E-08	9.78E-09	3.26E-09	1.30E-08

991	564289.25	4191028.33	1.40E-07	5.38E-08	1.94E-07	2.24E-08	8.43E-09	3.09E-08	1.32E-08	6.04E-09	1.93E-08	1.10E-08	3.66E-09	1.46E-08
992	564305.18	4191024.69	1.54E-07	5.91E-08	2.13E-07	2.47E-08	9.26E-09	3.39E-08	1.45E-08	6.63E-09	2.12E-08	1.21E-08	4.02E-09	1.61E-08
993	564321.11	4191021.05	1.66E-07	6.38E-08	2.30E-07	2.66E-08	9.99E-09	3.66E-08	1.57E-08	7.16E-09	2.28E-08	1.30E-08	4.33E-09	1.73E-08
994	564337.04	4191017.4	1.75E-07	6.72E-08	2.42E-07	2.80E-08	1.05E-08	3.85E-08	1.65E-08	7.54E-09	2.41E-08	1.37E-08	4.56E-09	1.83E-08
995	564352.97	4191013.76	1.80E-07	6.95E-08	2.50E-07	2.90E-08	1.09E-08	3.98E-08	1.71E-08	7.79E-09	2.49E-08	1.42E-08	4.72E-09	1.89E-08
996	564010.34	4191271.56	4.65E-08	1.79E-08	6.44E-08	7.46E-09	2.80E-09	1.03E-08	4.40E-09	2.01E-09	6.41E-09	3.65E-09	1.22E-09	4.86E-09
997	564007.57	4191287.73	4.68E-08	1.80E-08	6.48E-08	7.51E-09	2.82E-09	1.03E-08	4.43E-09	2.02E-09	6.45E-09	3.67E-09	1.22E-09	4.89E-09
998	564004.81	4191303.9	4.78E-08	1.84E-08	6.62E-08	7.66E-09	2.88E-09	1.05E-08	4.52E-09	2.06E-09	6.58E-09	3.75E-09	1.25E-09	5.00E-09
999	564300.73	4191371.94	7.40E-06	2.85E-06	1.02E-05	1.19E-06	4.46E-07	1.63E-06	7.00E-07	3.19E-07	1.02E-06	5.80E-07	1.93E-07	7.73E-07
1000	564317.18	4191377.49	1.03E-05	3.97E-06	1.43E-05	1.65E-06	6.22E-07	2.28E-06	9.76E-07	4.45E-07	1.42E-06	8.09E-07	2.70E-07	1.08E-06
1001	564327.03	4191379	1.06E-05	4.09E-06	1.47E-05	1.70E-06	6.41E-07	2.35E-06	1.01E-06	4.59E-07	1.46E-06	8.34E-07	2.78E-07	1.11E-06
1002	564336.88	4191380.52	9.54E-06	3.67E-06	1.32E-05	1.53E-06	5.75E-07	2.10E-06	9.03E-07	4.12E-07	1.31E-06	7.48E-07	2.49E-07	9.97E-07
1003	564299.21	4191381.82	5.68E-06	2.18E-06	7.86E-06	9.11E-07	3.42E-07	1.25E-06	5.37E-07	2.45E-07	7.82E-07	4.45E-07	1.48E-07	5.94E-07
1004	564284.28	4191366.22	3.67E-06	1.41E-06	5.09E-06	5.89E-07	2.21E-07	8.11E-07	3.48E-07	1.59E-07	5.06E-07	2.88E-07	9.60E-08	3.84E-07
1005	564315.66	4191387.38	6.74E-06	2.60E-06	9.34E-06	1.08E-06	4.07E-07	1.49E-06	6.38E-07	2.91E-07	9.30E-07	5.29E-07	1.76E-07	7.05E-07
1006	564325.51	4191388.89	6.77E-06	2.61E-06	9.38E-06	1.09E-06	4.08E-07	1.49E-06	6.41E-07	2.92E-07	9.34E-07	5.31E-07	1.77E-07	7.08E-07
1007	564335.37	4191390.4	6.23E-06	2.40E-06	8.63E-06	1.00E-06	3.76E-07	1.38E-06	5.90E-07	2.69E-07	8.59E-07	4.89E-07	1.63E-07	6.52E-07
1008	564297.69	4191391.71	4.34E-06	1.67E-06	6.02E-06	6.97E-07	2.62E-07	9.59E-07	4.11E-07	1.88E-07	5.99E-07	3.41E-07	1.14E-07	4.54E-07
1009	564284.5	4191383.63	3.46E-06	1.33E-06	4.80E-06	5.56E-07	2.09E-07	7.65E-07	3.28E-07	1.50E-07	4.78E-07	2.72E-07	9.06E-08	3.62E-07
1010	564276.16	4191372.06	2.71E-06	1.04E-06	3.75E-06	4.34E-07	1.63E-07	5.97E-07	2.56E-07	1.17E-07	3.73E-07	2.12E-07	7.07E-08	2.83E-07
1011	564314.14	4191397.26	4.71E-06	1.81E-06	6.52E-06	7.55E-07	2.84E-07	1.04E-06	4.46E-07	2.03E-07	6.49E-07	3.69E-07	1.23E-07	4.92E-07
1012	564323.99	4191398.77	4.67E-06	1.80E-06	6.47E-06	7.50E-07	2.82E-07	1.03E-06	4.42E-07	2.02E-07	6.44E-07	3.67E-07	1.22E-07	4.89E-07
1013	564333.85	4191400.29	4.37E-06	1.68E-06	6.05E-06	7.01E-07	2.63E-07	9.64E-07	4.14E-07	1.89E-07	6.02E-07	3.43E-07	1.14E-07	4.57E-07
1014	564294.53	4191400.58	3.35E-06	1.29E-06	4.64E-06	5.37E-07	2.02E-07	7.39E-07	3.17E-07	1.45E-07	4.62E-07	2.63E-07	8.75E-08	3.50E-07
1015	564286.28	4191395.54	3.12E-06	1.20E-06	4.31E-06	5.00E-07	1.88E-07	6.88E-07	2.95E-07	1.34E-07	4.29E-07	2.44E-07	8.14E-08	3.26E-07
1016	564278.04	4191390.49	2.69E-06	1.03E-06	3.72E-06	4.31E-07	1.62E-07	5.93E-07	2.55E-07	1.16E-07	3.71E-07	2.11E-07	7.03E-08	2.81E-07
1017	564267.62	4191376.02	2.04E-06	7.86E-07	2.83E-06	3.28E-07	1.23E-07	4.51E-07	1.93E-07	8.82E-08	2.82E-07	1.60E-07	5.34E-08	2.14E-07
1018	564265.44	4191366.61	1.81E-06	6.96E-07	2.50E-06	2.90E-07	1.09E-07	3.99E-07	1.71E-07	7.80E-08	2.49E-07	1.42E-07	4.73E-08	1.89E-07
1019	564302.77	4191405.63	3.33E-06	1.28E-06	4.62E-06	5.35E-07	2.01E-07	7.36E-07	3.16E-07	1.44E-07	4.59E-07	2.62E-07	8.71E-08	3.49E-07
1020	564312.62	4191407.14	3.46E-06	1.33E-06	4.80E-06	5.56E-07	2.09E-07	7.65E-07	3.28E-07	1.50E-07	4.77E-07	2.72E-07	9.05E-08	3.62E-07
1021	564322.48	4191408.66	3.42E-06	1.31E-06	4.73E-06	5.48E-07	2.06E-07	7.54E-07	3.23E-07	1.47E-07	4.71E-07	2.68E-07	8.93E-08	3.57E-07
1022	564332.33	4191410.17	3.23E-06	1.24E-06	4.48E-06	5.19E-07	1.95E-07	7.14E-07	3.06E-07	1.40E-07	4.46E-07	2.54E-07	8.45E-08	3.38E-07
1023	564293.34	4191410.67	2.66E-06	1.02E-06	3.69E-06	4.27E-07	1.61E-07	5.88E-07	2.52E-07	1.15E-07	3.67E-07	2.09E-07	6.96E-08	2.79E-07
1024	564285.42	4191405.82	2.59E-06	9.96E-07	3.58E-06	4.15E-07	1.56E-07	5.71E-07	2.45E-07	1.12E-07	3.57E-07	2.03E-07	6.76E-08	2.71E-07
1025	564277.51	4191400.98	2.37E-06	9.13E-07	3.29E-06	3.81E-07	1.43E-07	5.24E-07	2.25E-07	1.02E-07	3.27E-07	1.86E-07	6.20E-08	2.48E-07
1026	564269.6	4191396.13	2.07E-06	7.96E-07	2.86E-06	3.32E-07	1.25E-07	4.56E-07	1.96E-07	8.93E-08	2.85E-07	1.62E-07	5.41E-08	2.16E-07
1027	564259.59	4191382.25	1.64E-06	6.31E-07	2.27E-06	2.63E-07	9.88E-08	3.62E-07	1.55E-07	7.07E-08	2.26E-07	1.29E-07	4.28E-08	1.71E-07
1028	564257.5	4191373.21	1.49E-06	5.72E-07	2.06E-06	2.38E-07	8.96E-08	3.28E-07	1.41E-07	6.42E-08	2.05E-07	1.17E-07	3.88E-08	1.55E-07
1029	564255.41	4191364.17	1.30E-06	5.00E-07	1.80E-06	2.08E-07	7.83E-08	2.87E-07	1.23E-07	5.61E-08	1.79E-07	1.02E-07	3.40E-08	1.36E-07
1030	564301.25	4191415.51	2.60E-06	1.00E-06	3.60E-06	4.18E-07	1.57E-07	5.74E-07	2.46E-07	1.12E-07	3.59E-07	2.04E-07	6.80E-08	2.72E-07
1031	564311.1	4191417.03	2.66E-06	1.02E-06	3.68E-06	4.27E-07	1.60E-07	5.87E-07	2.52E-07	1.15E-07	3.67E-07	2.09E-07	6.95E-08	2.78E-07
1032	564320.96	4191418.54	2.62E-06	1.01E-06	3.62E-06	4.20E-07	1.58E-07	5.77E-07	2.48E-07	1.13E-07	3.61E-07	2.05E-07	6.84E-08	2.74E-07
1033	564330.81	4191420.05	2.49E-06	9.60E-07	3.45E-06	4.00E-07	1.50E-07	5.51E-07	2.36E-07	1.08E-07	3.44E-07	1.96E-07	6.52E-08	2.61E-07
1034	564292.04	4191420.69	2.15E-06	8.29E-07	2.98E-06	3.45E-07	1.30E-07	4.75E-07	2.04E-07	9.30E-08	2.97E-07	1.69E-07	5.63E-08	2.25E-07
1035	564284.35	4191415.98	2.14E-06	8.25E-07	2.97E-06	3.44E-07	1.29E-07	4.73E-07	2.03E-07	9.25E-08	2.95E-07	1.68E-07	5.60E-08	2.24E-07
1036	564276.65	4191411.27	2.05E-06	7.87E-07	2.83E-06	3.28E-07	1.23E-07	4.52E-07	1.94E-07	8.83E-08	2.82E-07	1.60E-07	5.35E-08	2.14E-07
1037	564268.96	4191406.56	1.87E-06	7.19E-07	2.59E-06	3.00E-07	1.13E-07	4.13E-07	1.77E-07	8.07E-08	2.58E-07	1.47E-07	4.89E-08	1.96E-07
1038	564261.26	4191401.84	1.64E-06	6.33E-07	2.28E-06	2.64E-07	9.91E-08	3.63E-07	1.56E-07	7.10E-08	2.27E-07	1.29E-07	4.30E-08	1.72E-07
1039	564251.53	4191388.34	1.34E-06	5.17E-07	1.86E-06	2.16E-07	8.10E-08	2.97E-07	1.27E-07	5.80E-08	1.85E-07	1.05E-07	3.51E-08	1.41E-07
1040	564247.47	4191370.77	1.11E-06	4.28E-07	1.54E-06	1.78E-07	6.70E-08	2.45E-07	1.05E-07	4.80E-08	1.53E-07	8.72E-08	2.90E-08	1.16E-07
1041	564299.73	4191425.4	2.08E-06	8.02E-07	2.89E-06	3.34E-07	1.26E-07	4.60E-07	1.97E-07	9.00E-08	2.87E-07	1.64E-07	5.45E-08	2.18E-07
1042	564309.59	4191426.91	2.11E-06	8.11E-07	2.92E-06	3.38E-07	1.27E-07	4.65E-07	2.00E-07	9.10E-08	2.91E-07	1.65E-07	5.51E-08	2.20E-07
1043	564319.44	4191428.43	2.07E-06	7.96E-07	2.86E-06	3.32E-07	1.25E-07	4.57E-07	1.96E-07	8.93E-08	2.85E-07	1.62E-07	5.41E-08	2.16E-07
1044	564329.29	4191429.94	1.98E-06	7.63E-07	2.75E-06	3.18E-07	1.20E-07	4.38E-07	1.88E-07	8.56E-08	2.73E-07	1.56E-07	5.18E-08	2.07E-07
1045	564290.68	4191430.67	1.77E-06	6.81E-07	2.45E-06	2.84E-07	1.07E-07	3.91E-07	1.68E-07	7.64E-08	2.44E-07	1.39E-07	4.63E-08	1.85E-07
1046	564275.6	4191421.44	1.75E-06	6.73E-07	2.42E-06	2.81E-07	1.05E-07	3.86E-07	1.66E-07	7.55E-08	2.41E-07	1.37E-07	4.57E-08	1.83E-07
1047	564260.53	4191412.21	1.51E-06	5.82E-07	2.09E-06	2.42E-07	9.11E-08	3.34E-07	1.43E-07	6.52E-08	2.08E-07	1.19E-07	3.95E-08	1.58E-07
1048	564243.46	4191394.37	1.12E-06	4.31E-07	1.55E-06	1.80E-07	6.75E-08	2.47E-07	1.06E-07	4.84E-08	1.54E-07	8.79E-08	2.93E-08	1.17E-07
1049	564239.48	4191377.15	9.58E-07	3.69E-07	1.33E-06	1.54E-07	5.78E-08	2.11E-07	9.07E-08	4.14E-08	1.32E-07	7.52E-08	2.50E-08	1.00E-07
1050	564235.49	4191359.93	7.45E-07	2.87E-07	1.03E-06	1.20E-07	4.49E-08	1.65E-07	7.06E-08	3.22E-08	1.03E-07	5.85E-08	1.95E-08	7.80E-08
1051	564308.07	4191436.8	1.71E-06	6.58E-07	2.37E-06	2.75E-07	1.03E-07	3.78E-07	1.62E-07	7.39E-08	2.36E-07	1.34E-07	4.47E-08	1.79E-07
1052	564317.92	4191438.31	1.68E-06	6.46E-07	2.32E-06	2.69E-07	1.01E-07	3.70E-07	1.59E-07	7.24E-08	2.31E-07	1.32E-07	4.39E-08	1.75E-07
1053	564327.78	4191439.82	1.62E-06	6.22E-07	2.24E-06	2.59E-07	9.74E-08	3.57E-07	1.53E-07	6.97E-08	2.23E-07	1.27E-07	4.22E-08	1.69E-07
1054	564288.22	4191439.98	1.48E-06	5.71E-07	2.05E-06	2.38E-07	8.94E-08	3.27E-07	1.40E-07	6.40E-08	2.04E-07	1.16E-07	3.88E-08	1.55E-07
1055	564279.74	4191434.78	1.51E-06	5.80E-07	2.09E-06	2.42E-07	9.09E-08	3.33E-07	1.43E-07	6.51E-08	2.08E-07	1.18E-07	3.94E-08	1.58E-07
1056	564271.26	4191429.59	1.48E-06	5.70E-07	2.05E-06	2.38E-07	8.93E-08	3.27E-07	1.40E-07	6.40E-08	2.04E-07	1.16E-07	3.87E-08	1.55E-07
1057	564262.78	4191424.4	1.41E-06	5.41E-07	1.95E-06	2.25E-07	8.47E-08	3.10E-07	1.33E-07	6.07E-08	1.94E-07	1.10E-07	3.67E-08	1.47E-07
1058	564254.3	4191419.21	1.28E-06	4.94E-07	1.78E-06	2.06E-07	7.74E-08	2.83E-07	1.22E-07	5.54E-08	1.77E-07	1.01E-07	3.35E-08	1.34E-07
1059	564245.82	4191414.02	1.14E-06	4.37E-07	1.57E-06	1.82E-07	6.85E-08	2.51E-07	1.08E-07	4.91E-08	1.57E-07	8.92E-08	2.97E-08	1.19E-07
1060	564235.1	4191399.14	9.41E-07	3.62E-07	1.30E-06	1.51E-07	5.67E-08	2.08E-07	8.91E-08	4.06E-08	1.30E-07	7.39E-08	2.46E-08	9.85E-08
1061	564232.86	4191389.45	8.79E-07	3.38E-07	1.22E-06	1.41E-07	5.30E-08	1.94E-07	8.32E-08	3.79E-08	1.21E-07	6.89E-08	2.30E-08	9.19E-08

1062	564230.62	4191379.77	7.98E-07	3.07E-07	1.11E-06	1.28E-07	4.81E-08	1.76E-07	7.56E-08	3.45E-08	1.10E-07	6.26E-08	2.09E-08	8.35E-08
1063	564228.38	4191370.08	7.05E-07	2.71E-07	9.77E-07	1.13E-07	4.25E-08	1.56E-07	6.68E-08	3.04E-08	9.72E-08	5.53E-08	1.84E-08	7.38E-08
1064	564226.13	4191360.4	6.11E-07	2.35E-07	8.46E-07	9.80E-08	3.68E-08	1.35E-07	5.78E-08	2.64E-08	8.42E-08	4.79E-08	1.60E-08	6.39E-08
1065	564296.7	4191445.17	1.42E-06	5.45E-07	1.96E-06	2.27E-07	8.53E-08	3.12E-07	1.34E-07	6.11E-08	1.95E-07	1.11E-07	3.70E-08	1.48E-07
1066	564306.55	4191446.68	1.41E-06	5.44E-07	1.96E-06	2.27E-07	8.53E-08	3.12E-07	1.34E-07	6.11E-08	1.95E-07	1.11E-07	3.70E-08	1.48E-07
1067	564316.4	4191448.19	1.39E-06	5.34E-07	1.92E-06	2.23E-07	8.37E-08	3.06E-07	1.31E-07	5.99E-08	1.91E-07	1.09E-07	3.63E-08	1.45E-07
1068	564326.26	4191449.71	1.34E-06	5.17E-07	1.86E-06	2.15E-07	8.09E-08	2.96E-07	1.27E-07	5.80E-08	1.85E-07	1.05E-07	3.51E-08	1.40E-07
1069	564286.94	4191450	1.25E-06	4.82E-07	1.73E-06	2.01E-07	7.55E-08	2.76E-07	1.19E-07	5.41E-08	1.73E-07	9.82E-08	3.27E-08	1.31E-07
1070	564278.69	4191444.96	1.29E-06	4.94E-07	1.78E-06	2.06E-07	7.75E-08	2.84E-07	1.22E-07	5.55E-08	1.77E-07	1.01E-07	3.36E-08	1.34E-07
1071	564270.45	4191439.91	1.28E-06	4.94E-07	1.78E-06	2.06E-07	7.74E-08	2.83E-07	1.22E-07	5.54E-08	1.77E-07	1.01E-07	3.36E-08	1.34E-07
1072	564262.2	4191434.86	1.25E-06	4.80E-07	1.73E-06	2.00E-07	7.51E-08	2.75E-07	1.18E-07	5.38E-08	1.72E-07	9.78E-08	3.26E-08	1.30E-07
1073	564253.96	4191429.81	1.17E-06	4.52E-07	1.63E-06	1.88E-07	7.08E-08	2.59E-07	1.11E-07	5.07E-08	1.62E-07	9.21E-08	3.07E-08	1.23E-07
1074	564245.72	4191424.77	1.07E-06	4.13E-07	1.49E-06	1.72E-07	6.48E-08	2.37E-07	1.02E-07	4.64E-08	1.48E-07	8.43E-08	2.81E-08	1.12E-07
1075	564237.47	4191419.72	9.59E-07	3.69E-07	1.33E-06	1.54E-07	5.78E-08	2.12E-07	9.08E-08	4.14E-08	1.32E-07	7.53E-08	2.51E-08	1.00E-07
1076	564227.05	4191405.26	8.08E-07	3.11E-07	1.12E-06	1.30E-07	4.87E-08	1.78E-07	7.65E-08	3.49E-08	1.11E-07	6.34E-08	2.11E-08	8.45E-08
1077	564224.87	4191395.84	7.61E-07	2.93E-07	1.05E-06	1.22E-07	4.59E-08	1.68E-07	7.21E-08	3.29E-08	1.05E-07	5.97E-08	1.99E-08	7.96E-08
1078	564222.69	4191386.42	7.02E-07	2.70E-07	9.72E-07	1.13E-07	4.23E-08	1.55E-07	6.65E-08	3.03E-08	9.68E-08	5.51E-08	1.84E-08	7.34E-08
1079	564220.51	4191377	6.34E-07	2.44E-07	8.78E-07	1.02E-07	3.82E-08	1.40E-07	6.00E-08	2.74E-08	8.74E-08	4.98E-08	1.66E-08	6.63E-08
1080	564218.33	4191367.59	5.61E-07	2.16E-07	7.77E-07	9.00E-08	3.38E-08	1.24E-07	5.31E-08	2.42E-08	7.73E-08	4.40E-08	1.47E-08	5.87E-08
1081	564216.15	4191358.17	4.90E-07	1.89E-07	6.78E-07	7.86E-08	2.95E-08	1.08E-07	4.64E-08	2.11E-08	6.75E-08	3.84E-08	1.28E-08	5.12E-08
1082	564261.42	4191445.19	1.10E-06	4.24E-07	1.53E-06	1.77E-07	6.64E-08	2.43E-07	1.04E-07	4.75E-08	1.52E-07	8.64E-08	2.88E-08	1.15E-07
1083	564253.36	4191440.26	1.06E-06	4.08E-07	1.47E-06	1.70E-07	6.39E-08	2.34E-07	1.00E-07	4.58E-08	1.46E-07	8.32E-08	2.77E-08	1.11E-07
1084	564245.3	4191435.32	9.96E-07	3.83E-07	1.38E-06	1.60E-07	6.00E-08	2.20E-07	9.43E-08	4.30E-08	1.37E-07	7.81E-08	2.60E-08	1.04E-07
1085	564237.24	4191430.39	9.14E-07	3.52E-07	1.27E-06	1.47E-07	5.51E-08	2.02E-07	8.65E-08	3.94E-08	1.26E-07	7.17E-08	2.39E-08	9.56E-08
1086	564229.18	4191425.45	8.22E-07	3.16E-07	1.14E-06	1.32E-07	4.95E-08	1.81E-07	7.78E-08	3.55E-08	1.13E-07	6.45E-08	2.15E-08	8.60E-08
1087	564218.99	4191411.31	7.02E-07	2.70E-07	9.73E-07	1.13E-07	4.23E-08	1.55E-07	6.65E-08	3.03E-08	9.68E-08	5.51E-08	1.84E-08	7.35E-08
1088	564216.85	4191402.1	6.66E-07	2.56E-07	9.22E-07	1.07E-07	4.01E-08	1.47E-07	6.30E-08	2.87E-08	9.18E-08	5.22E-08	1.74E-08	6.96E-08
1089	564214.72	4191392.9	6.21E-07	2.39E-07	8.60E-07	9.96E-08	3.74E-08	1.37E-07	5.88E-08	2.68E-08	8.56E-08	4.87E-08	1.62E-08	6.50E-08
1090	564212.59	4191383.69	5.69E-07	2.19E-07	7.88E-07	9.13E-08	3.43E-08	1.26E-07	5.39E-08	2.46E-08	7.85E-08	4.47E-08	1.49E-08	5.95E-08
1091	564210.46	4191374.48	5.13E-07	1.98E-07	7.11E-07	8.23E-08	3.09E-08	1.13E-07	4.86E-08	2.22E-08	7.07E-08	4.03E-08	1.34E-08	5.37E-08
1092	564208.33	4191365.27	4.56E-07	1.75E-07	6.31E-07	7.31E-08	2.75E-08	1.01E-07	4.31E-08	1.97E-08	6.28E-08	3.57E-08	1.19E-08	4.76E-08
1093	564206.2	4191356.06	4.01E-07	1.54E-07	5.56E-07	6.44E-08	2.42E-08	8.86E-08	3.80E-08	1.73E-08	5.53E-08	3.15E-08	1.05E-08	4.20E-08
1094	564236.75	4191440.9	8.55E-07	3.29E-07	1.18E-06	1.37E-07	5.15E-08	1.89E-07	8.09E-08	3.69E-08	1.18E-07	6.71E-08	2.23E-08	8.94E-08
1095	564228.83	4191436.06	7.87E-07	3.03E-07	1.09E-06	1.26E-07	4.75E-08	1.74E-07	7.45E-08	3.40E-08	1.09E-07	6.18E-08	2.06E-08	8.23E-08
1096	564220.92	4191431.21	7.13E-07	2.74E-07	9.87E-07	1.14E-07	4.30E-08	1.57E-07	6.75E-08	3.08E-08	9.83E-08	5.59E-08	1.86E-08	7.46E-08
1097	564210.91	4191417.32	6.17E-07	2.37E-07	8.54E-07	9.90E-08	3.72E-08	1.36E-07	5.84E-08	2.66E-08	8.50E-08	4.84E-08	1.61E-08	6.45E-08
1098	564208.82	4191408.28	5.88E-07	2.26E-07	8.14E-07	9.43E-08	3.54E-08	1.30E-07	5.56E-08	2.54E-08	8.10E-08	4.61E-08	1.54E-08	6.15E-08
1099	564206.73	4191399.24	5.53E-07	2.13E-07	7.65E-07	8.86E-08	3.33E-08	1.22E-07	5.23E-08	2.39E-08	7.62E-08	4.34E-08	1.44E-08	5.78E-08
1100	564204.63	4191390.2	5.12E-07	1.97E-07	7.09E-07	8.22E-08	3.09E-08	1.13E-07	4.85E-08	2.21E-08	7.06E-08	4.02E-08	1.34E-08	5.36E-08
1101	564202.54	4191381.16	4.68E-07	1.80E-07	6.49E-07	7.52E-08	2.82E-08	1.03E-07	4.43E-08	2.02E-08	6.46E-08	3.68E-08	1.22E-08	4.90E-08
1102	564200.45	4191372.12	4.23E-07	1.63E-07	5.85E-07	6.78E-08	2.55E-08	9.33E-08	4.00E-08	1.82E-08	5.82E-08	3.31E-08	1.10E-08	4.42E-08
1103	564198.36	4191363.08	3.77E-07	1.45E-07	5.23E-07	6.05E-08	2.27E-08	8.33E-08	3.57E-08	1.63E-08	5.20E-08	2.96E-08	9.86E-09	3.95E-08
1104	564196.27	4191354.04	3.36E-07	1.29E-07	4.65E-07	5.39E-08	2.02E-08	7.41E-08	3.18E-08	1.45E-08	4.63E-08	2.63E-08	8.78E-09	3.51E-08
1105	564292.14	4191474.82	8.82E-07	3.39E-07	1.22E-06	1.41E-07	5.31E-08	1.95E-07	8.35E-08	3.81E-08	1.22E-07	6.92E-08	2.30E-08	9.22E-08
1106	564302	4191476.33	8.75E-07	3.37E-07	1.21E-06	1.40E-07	5.27E-08	1.93E-07	8.28E-08	3.78E-08	1.21E-07	6.86E-08	2.29E-08	9.15E-08
1107	564311.85	4191477.85	8.60E-07	3.31E-07	1.19E-06	1.38E-07	5.18E-08	1.90E-07	8.14E-08	3.71E-08	1.18E-07	6.74E-08	2.25E-08	8.99E-08
1108	564321.7	4191479.36	8.38E-07	3.22E-07	1.16E-06	1.34E-07	5.05E-08	1.85E-07	7.93E-08	3.62E-08	1.15E-07	6.57E-08	2.19E-08	8.76E-08
1109	564267.24	4191470.39	8.57E-07	3.30E-07	1.19E-06	1.37E-07	5.17E-08	1.89E-07	8.11E-08	3.70E-08	1.18E-07	6.72E-08	2.24E-08	8.96E-08
1110	564259.45	4191465.62	8.63E-07	3.32E-07	1.19E-06	1.38E-07	5.20E-08	1.90E-07	8.17E-08	3.72E-08	1.19E-07	6.77E-08	2.25E-08	9.02E-08
1111	564251.66	4191460.84	8.54E-07	3.28E-07	1.18E-06	1.37E-07	5.15E-08	1.88E-07	8.08E-08	3.68E-08	1.18E-07	6.70E-08	2.23E-08	8.93E-08
1112	564212.68	4191436.98	6.25E-07	2.40E-07	8.65E-07	1.00E-07	3.77E-08	1.38E-07	5.92E-08	2.70E-08	8.61E-08	4.90E-08	1.63E-08	6.54E-08
1113	564202.83	4191423.31	5.47E-07	2.10E-07	7.57E-07	8.77E-08	3.29E-08	1.21E-07	5.17E-08	2.36E-08	7.53E-08	4.29E-08	1.43E-08	5.72E-08
1114	564198.71	4191405.5	4.95E-07	1.91E-07	6.86E-07	7.95E-08	2.99E-08	1.09E-07	4.69E-08	2.14E-08	6.83E-08	3.89E-08	1.29E-08	5.18E-08
1115	564196.65	4191396.6	4.63E-07	1.78E-07	6.42E-07	7.44E-08	2.79E-08	1.02E-07	4.39E-08	2.00E-08	6.39E-08	3.64E-08	1.21E-08	4.85E-08
1116	564192.53	4191378.79	3.91E-07	1.50E-07	5.42E-07	6.27E-08	2.36E-08	8.63E-08	3.70E-08	1.69E-08	5.39E-08	3.07E-08	1.02E-08	4.09E-08
1117	564290.63	4191484.7	7.71E-07	2.97E-07	1.07E-06	1.24E-07	4.65E-08	1.70E-07	7.30E-08	3.33E-08	1.06E-07	6.05E-08	2.02E-08	8.07E-08
1118	564300.48	4191486.22	7.63E-07	2.94E-07	1.06E-06	1.22E-07	4.60E-08	1.68E-07	7.23E-08	3.29E-08	1.05E-07	5.99E-08	2.00E-08	7.98E-08
1119	564310.33	4191487.73	7.50E-07	2.88E-07	1.04E-06	1.20E-07	4.52E-08	1.65E-07	7.10E-08	3.24E-08	1.03E-07	5.88E-08	1.96E-08	7.84E-08
1120	564320.19	4191489.24	7.31E-07	2.81E-07	1.01E-06	1.17E-07	4.41E-08	1.61E-07	6.92E-08	3.15E-08	1.01E-07	5.73E-08	1.91E-08	7.64E-08
1121	564263.93	4191479.17	7.61E-07	2.93E-07	1.05E-06	1.22E-07	4.59E-08	1.68E-07	7.21E-08	3.29E-08	1.05E-07	5.97E-08	1.99E-08	7.96E-08
1122	564255.53	4191474.03	7.68E-07	2.96E-07	1.06E-06	1.23E-07	4.63E-08	1.69E-07	7.27E-08	3.31E-08	1.06E-07	6.02E-08	2.01E-08	8.03E-08
1123	564247.14	4191468.89	7.61E-07	2.93E-07	1.05E-06	1.22E-07	4.59E-08	1.68E-07	7.21E-08	3.29E-08	1.05E-07	5.97E-08	1.99E-08	7.96E-08
1124	564238.75	4191463.75	7.40E-07	2.85E-07	1.03E-06	1.19E-07	4.46E-08	1.63E-07	7.01E-08	3.20E-08	1.02E-07	5.81E-08	1.93E-08	7.74E-08
1125	564230.35	4191458.61	7.06E-07	2.72E-07	9.78E-07	1.13E-07	4.26E-08	1.56E-07	6.69E-08	3.05E-08	9.74E-08	5.54E-08	1.85E-08	7.39E-08
1126	564194.56	4191428.47	4.87E-07	1.87E-07	6.74E-07	7.81E-08	2.93E-08	1.07E-07	4.61E-08	2.10E-08	6.71E-08	3.82E-08	1.27E-08	5.09E-08
1127	564192.34	4191418.88	4.66E-07	1.79E-07	6.45E-07	7.48E-08	2.81E-08	1.03E-07	4.41E-08	2.01E-08	6.42E-08	3.66E-08	1.22E-08	4.87E-08
1128	564190.12	4191409.29	4.41E-07	1.70E-07	6.10E-07	7.07E-08	2.66E-08	9.72E-08	4.17E-08	1.90E-08	6.07E-08	3.46E-08	1.15E-08	4.61E-08
1129	564176.81	4191351.76	2.50E-07	9.64E-08	3.47E-07	4.02E-08	1.51E-08	5.53E-08	2.37E-08	1.08E-08	3.45E-08	1.97E-08	6.55E-09	2.62E-08
1130	564174.59	4191342.17	2.26E-07	8.69E-08	3.13E-07	3.62E-08	1.36E-08	4.98E-08	2.14E-08	9.75E-09	3.11E-08	1.77E-08	5.90E-09	2.36E-08
1131	564289.11	4191494.59	6.80E-07	2.62E-07	9.42E-07	1.09E-07	4.10E-08	1.50E-07	6.44E-08	2.94E-08	9.37E-08	5.34E-08	1.78E-08	7.11E-08
1132	564298.96	4191496.1	6.72E-07	2.59E-07	9.31E-07	1.08E-07	4.05E-08	1.48E-07	6.36E-08	2.90E-08	9.27E-08	5.27E-08	1.76E-08	7.03E-08

1133	564308.81	4191497.61	6.60E-07	2.54E-07	9.14E-07	1.06E-07	3.98E-08	1.46E-07	6.25E-08	2.85E-08	9.10E-08	5.18E-08	1.73E-08	6.90E-08
1134	564318.67	4191499.13	6.44E-07	2.48E-07	8.92E-07	1.03E-07	3.88E-08	1.42E-07	6.10E-08	2.78E-08	8.88E-08	5.05E-08	1.68E-08	6.74E-08
1135	564262.86	4191489.33	6.77E-07	2.61E-07	9.38E-07	1.09E-07	4.08E-08	1.49E-07	6.41E-08	2.92E-08	9.34E-08	5.31E-08	1.77E-08	7.08E-08
1136	564254.61	4191484.28	6.87E-07	2.64E-07	9.51E-07	1.10E-07	4.14E-08	1.52E-07	6.50E-08	2.97E-08	9.47E-08	5.39E-08	1.80E-08	7.19E-08
1137	564246.37	4191479.24	6.87E-07	2.64E-07	9.51E-07	1.10E-07	4.14E-08	1.52E-07	6.50E-08	2.96E-08	9.47E-08	5.39E-08	1.80E-08	7.18E-08
1138	564238.13	4191474.19	6.76E-07	2.60E-07	9.36E-07	1.08E-07	4.07E-08	1.49E-07	6.40E-08	2.92E-08	9.31E-08	5.30E-08	1.77E-08	7.07E-08
1139	564229.88	4191469.14	6.54E-07	2.52E-07	9.06E-07	1.05E-07	3.94E-08	1.44E-07	6.19E-08	2.82E-08	9.01E-08	5.13E-08	1.71E-08	6.84E-08
1140	564221.64	4191464.09	6.23E-07	2.40E-07	8.63E-07	9.99E-08	3.76E-08	1.37E-07	5.90E-08	2.69E-08	8.59E-08	4.89E-08	1.63E-08	6.52E-08
1141	564213.4	4191459.05	5.84E-07	2.25E-07	8.09E-07	9.38E-08	3.52E-08	1.29E-07	5.53E-08	2.52E-08	8.06E-08	4.59E-08	1.53E-08	6.11E-08
1142	564205.15	4191454	5.41E-07	2.08E-07	7.49E-07	8.68E-08	3.26E-08	1.19E-07	5.12E-08	2.34E-08	7.46E-08	4.25E-08	1.41E-08	5.66E-08
1143	564173.41	4191377.98	2.93E-07	1.13E-07	4.06E-07	4.71E-08	1.77E-08	6.47E-08	2.78E-08	1.27E-08	4.04E-08	2.30E-08	7.67E-09	3.07E-08
1144	564171.23	4191368.57	2.66E-07	1.02E-07	3.68E-07	4.27E-08	1.60E-08	5.87E-08	2.52E-08	1.15E-08	3.67E-08	2.09E-08	6.95E-09	2.78E-08
1145	564169.05	4191359.15	2.41E-07	9.26E-08	3.33E-07	3.86E-08	1.45E-08	5.31E-08	2.28E-08	1.04E-08	3.32E-08	1.89E-08	6.29E-09	2.52E-08
1146	564166.87	4191349.73	2.18E-07	8.38E-08	3.01E-07	3.49E-08	1.31E-08	4.81E-08	2.06E-08	9.40E-09	3.00E-08	1.71E-08	5.69E-09	2.28E-08
1147	564164.69	4191340.32	1.98E-07	7.61E-08	2.74E-07	3.17E-08	1.19E-08	4.37E-08	1.87E-08	8.54E-09	2.73E-08	1.55E-08	5.17E-09	2.07E-08
1148	564287.59	4191504.47	6.04E-07	2.33E-07	8.37E-07	9.70E-08	3.64E-08	1.33E-07	5.72E-08	2.61E-08	8.33E-08	4.74E-08	1.58E-08	6.32E-08
1149	564297.44	4191505.98	5.97E-07	2.30E-07	8.27E-07	9.58E-08	3.60E-08	1.32E-07	5.65E-08	2.58E-08	8.23E-08	4.69E-08	1.56E-08	6.25E-08
1150	564307.3	4191507.5	5.86E-07	2.26E-07	8.12E-07	9.41E-08	3.54E-08	1.29E-07	5.55E-08	2.53E-08	8.08E-08	4.60E-08	1.53E-08	6.13E-08
1151	564317.15	4191509.01	5.73E-07	2.21E-07	7.94E-07	9.19E-08	3.45E-08	1.26E-07	5.42E-08	2.47E-08	7.90E-08	4.50E-08	1.50E-08	5.99E-08
1152	564261.72	4191499.45	6.06E-07	2.33E-07	8.39E-07	9.72E-08	3.65E-08	1.34E-07	5.73E-08	2.61E-08	8.35E-08	4.75E-08	1.58E-08	6.34E-08
1153	564253.6	4191494.48	6.17E-07	2.37E-07	8.54E-07	9.90E-08	3.72E-08	1.36E-07	5.84E-08	2.66E-08	8.50E-08	4.84E-08	1.61E-08	6.45E-08
1154	564245.49	4191489.51	6.21E-07	2.39E-07	8.60E-07	9.96E-08	3.74E-08	1.37E-07	5.88E-08	2.68E-08	8.56E-08	4.87E-08	1.62E-08	6.49E-08
1155	564237.37	4191484.54	6.16E-07	2.37E-07	8.53E-07	9.88E-08	3.71E-08	1.36E-07	5.83E-08	2.66E-08	8.49E-08	4.83E-08	1.61E-08	6.44E-08
1156	564229.25	4191479.57	6.03E-07	2.32E-07	8.35E-07	9.67E-08	3.63E-08	1.33E-07	5.71E-08	2.60E-08	8.31E-08	4.73E-08	1.58E-08	6.31E-08
1157	564221.14	4191474.6	5.82E-07	2.24E-07	8.06E-07	9.33E-08	3.51E-08	1.28E-07	5.51E-08	2.51E-08	8.02E-08	4.57E-08	1.52E-08	6.09E-08
1158	564213.02	4191469.63	5.54E-07	2.13E-07	7.67E-07	8.88E-08	3.34E-08	1.22E-07	5.24E-08	2.39E-08	7.63E-08	4.34E-08	1.45E-08	5.79E-08
1159	564204.9	4191464.66	5.20E-07	2.00E-07	7.20E-07	8.34E-08	3.13E-08	1.15E-07	4.92E-08	2.24E-08	7.16E-08	4.08E-08	1.36E-08	5.44E-08
1160	564196.79	4191459.69	4.83E-07	1.86E-07	6.69E-07	7.75E-08	2.91E-08	1.07E-07	4.57E-08	2.09E-08	6.66E-08	3.79E-08	1.26E-08	5.05E-08
1161	564188.67	4191454.72	4.45E-07	1.71E-07	6.16E-07	7.14E-08	2.68E-08	9.82E-08	4.21E-08	1.92E-08	6.13E-08	3.49E-08	1.16E-08	4.65E-08
1162	564171.97	4191412.66	3.46E-07	1.33E-07	4.80E-07	5.56E-08	2.09E-08	7.64E-08	3.28E-08	1.49E-08	4.77E-08	2.72E-08	9.05E-09	3.62E-08
1163	564169.82	4191403.39	3.25E-07	1.25E-07	4.50E-07	5.21E-08	1.96E-08	7.17E-08	3.07E-08	1.40E-08	4.48E-08	2.55E-08	8.49E-09	3.40E-08
1164	564167.68	4191394.12	3.01E-07	1.16E-07	4.17E-07	4.83E-08	1.82E-08	6.65E-08	2.85E-08	1.30E-08	4.15E-08	2.36E-08	7.88E-09	3.15E-08
1165	564165.53	4191384.84	2.77E-07	1.07E-07	3.84E-07	4.45E-08	1.67E-08	6.12E-08	2.62E-08	1.20E-08	3.82E-08	2.17E-08	7.24E-09	2.90E-08
1166	564163.38	4191375.57	2.53E-07	9.74E-08	3.51E-07	4.06E-08	1.53E-08	5.59E-08	2.40E-08	1.09E-08	3.49E-08	1.99E-08	6.62E-09	2.65E-08
1167	564161.24	4191366.3	2.31E-07	8.88E-08	3.20E-07	3.70E-08	1.39E-08	5.09E-08	2.18E-08	9.96E-09	3.18E-08	1.81E-08	6.03E-09	2.41E-08
1168	564159.09	4191357.03	2.10E-07	8.07E-08	2.91E-07	3.37E-08	1.26E-08	4.63E-08	1.99E-08	9.06E-09	2.89E-08	1.65E-08	5.48E-09	2.19E-08
1169	564156.95	4191347.76	1.91E-07	7.36E-08	2.65E-07	3.07E-08	1.15E-08	4.22E-08	1.81E-08	8.25E-09	2.64E-08	1.50E-08	5.00E-09	2.00E-08
1170	564154.8	4191338.48	1.75E-07	6.73E-08	2.42E-07	2.80E-08	1.05E-08	3.86E-08	1.65E-08	7.54E-09	2.41E-08	1.37E-08	4.57E-09	1.83E-08
1171	564286.07	4191514.36	5.41E-07	2.08E-07	7.49E-07	8.68E-08	3.26E-08	1.19E-07	5.12E-08	2.33E-08	7.45E-08	4.24E-08	1.41E-08	5.66E-08
1172	564295.92	4191515.87	5.34E-07	2.06E-07	7.40E-07	8.57E-08	3.22E-08	1.18E-07	5.06E-08	2.31E-08	7.36E-08	4.19E-08	1.40E-08	5.59E-08
1173	564305.78	4191517.38	5.25E-07	2.02E-07	7.27E-07	8.42E-08	3.16E-08	1.16E-07	4.97E-08	2.27E-08	7.23E-08	4.12E-08	1.37E-08	5.49E-08
1174	564315.63	4191518.9	5.13E-07	1.98E-07	7.11E-07	8.23E-08	3.09E-08	1.13E-07	4.86E-08	2.22E-08	7.07E-08	4.03E-08	1.34E-08	5.37E-08
1175	564260.53	4191509.53	5.45E-07	2.10E-07	7.54E-07	8.74E-08	3.28E-08	1.20E-07	5.16E-08	2.35E-08	7.51E-08	4.27E-08	1.42E-08	5.70E-08
1176	564252.52	4191504.63	5.56E-07	2.14E-07	7.70E-07	8.92E-08	3.35E-08	1.23E-07	5.27E-08	2.40E-08	7.67E-08	4.36E-08	1.45E-08	5.82E-08
1177	564244.51	4191499.72	5.62E-07	2.16E-07	7.79E-07	9.02E-08	3.39E-08	1.24E-07	5.32E-08	2.43E-08	7.75E-08	4.41E-08	1.47E-08	5.88E-08
1178	564236.5	4191494.82	5.62E-07	2.16E-07	7.78E-07	9.01E-08	3.39E-08	1.24E-07	5.32E-08	2.42E-08	7.74E-08	4.41E-08	1.47E-08	5.88E-08
1179	564228.5	4191489.92	5.55E-07	2.13E-07	7.68E-07	8.90E-08	3.34E-08	1.22E-07	5.25E-08	2.39E-08	7.65E-08	4.35E-08	1.45E-08	5.80E-08
1180	564220.49	4191485.02	5.41E-07	2.08E-07	7.49E-07	8.68E-08	3.26E-08	1.19E-07	5.12E-08	2.34E-08	7.46E-08	4.25E-08	1.41E-08	5.66E-08
1181	564212.48	4191480.11	5.21E-07	2.01E-07	7.22E-07	8.36E-08	3.14E-08	1.15E-07	4.93E-08	2.25E-08	7.18E-08	4.09E-08	1.36E-08	5.45E-08
1182	564204.47	4191475.21	4.96E-07	1.91E-07	6.86E-07	7.95E-08	2.99E-08	1.09E-07	4.69E-08	2.14E-08	6.83E-08	3.89E-08	1.30E-08	5.18E-08
1183	564196.46	4191470.31	4.66E-07	1.79E-07	6.46E-07	7.48E-08	2.81E-08	1.03E-07	4.41E-08	2.01E-08	6.43E-08	3.66E-08	1.22E-08	4.88E-08
1184	564188.46	4191465.4	4.35E-07	1.67E-07	6.02E-07	6.97E-08	2.62E-08	9.59E-08	4.12E-08	1.88E-08	5.99E-08	3.41E-08	1.14E-08	4.55E-08
1185	564168.2	4191437.3	3.48E-07	1.34E-07	4.82E-07	5.59E-08	2.10E-08	7.68E-08	3.30E-08	1.50E-08	4.80E-08	2.73E-08	9.10E-09	3.64E-08
1186	564166.09	4191428.15	3.34E-07	1.29E-07	4.63E-07	5.37E-08	2.02E-08	7.38E-08	3.17E-08	1.44E-08	4.61E-08	2.62E-08	8.74E-09	3.50E-08
1187	564163.97	4191419	3.19E-07	1.23E-07	4.41E-07	5.11E-08	1.92E-08	7.03E-08	3.02E-08	1.38E-08	4.39E-08	2.50E-08	8.33E-09	3.33E-08
1188	564161.85	4191409.86	3.01E-07	1.16E-07	4.16E-07	4.82E-08	1.81E-08	6.64E-08	2.85E-08	1.30E-08	4.15E-08	2.36E-08	7.86E-09	3.15E-08
1189	564159.74	4191400.71	2.81E-07	1.08E-07	3.90E-07	4.51E-08	1.70E-08	6.21E-08	2.66E-08	1.21E-08	3.88E-08	2.21E-08	7.35E-09	2.94E-08
1190	564157.62	4191391.56	2.61E-07	1.01E-07	3.62E-07	4.19E-08	1.57E-08	5.76E-08	2.47E-08	1.13E-08	3.60E-08	2.05E-08	6.83E-09	2.73E-08
1191	564155.5	4191382.41	2.41E-07	9.26E-08	3.33E-07	3.86E-08	1.45E-08	5.31E-08	2.28E-08	1.04E-08	3.32E-08	1.89E-08	6.29E-09	2.52E-08
1192	564153.38	4191373.26	2.21E-07	8.50E-08	3.06E-07	3.54E-08	1.33E-08	4.87E-08	2.09E-08	9.53E-09	3.04E-08	1.73E-08	5.77E-09	2.31E-08
1193	564151.27	4191364.12	2.02E-07	7.77E-08	2.80E-07	3.24E-08	1.22E-08	4.46E-08	1.91E-08	8.72E-09	2.78E-08	1.59E-08	5.28E-09	2.11E-08
1194	564149.15	4191354.97	1.85E-07	7.11E-08	2.56E-07	2.96E-08	1.11E-08	4.08E-08	1.75E-08	7.97E-09	2.55E-08	1.45E-08	4.83E-09	1.93E-08
1195	564147.03	4191345.82	1.69E-07	6.51E-08	2.34E-07	2.72E-08	1.02E-08	3.74E-08	1.60E-08	7.31E-09	2.33E-08	1.33E-08	4.42E-09	1.77E-08
1196	564144.92	4191336.67	1.56E-07	5.98E-08	2.15E-07	2.50E-08	9.38E-09	3.43E-08	1.47E-08	6.71E-09	2.14E-08	1.22E-08	4.07E-09	1.63E-08
1197	564284.55	4191524.24	4.87E-07	1.87E-07	6.74E-07	7.81E-08	2.93E-08	1.07E-07	4.61E-08	2.10E-08	6.71E-08	3.82E-08	1.27E-08	5.09E-08
1198	564294.41	4191525.75	4.81E-07	1.85E-07	6.66E-07	7.71E-08	2.90E-08	1.06E-07	4.55E-08	2.07E-08	6.62E-08	3.77E-08	1.26E-08	5.03E-08
1199	564304.26	4191527.27	4.72E-07	1.82E-07	6.54E-07	7.58E-08	2.85E-08	1.04E-07	4.47E-08	2.04E-08	6.51E-08	3.71E-08	1.23E-08	4.94E-08
1200	564314.11	4191528.78	4.63E-07	1.78E-07	6.41E-07	7.42E-08	2.79E-08	1.02E-07	4.38E-08	2.00E-08	6.38E-08	3.63E-08	1.21E-08	4.84E-08
1201	564257.6	4191518.55	4.95E-07	1.90E-07	6.85E-07	7.94E-08	2.98E-08	1.09E-07	4.68E-08	2.14E-08	6.82E-08	3.88E-08	1.29E-08	5.17E-08
1202	564249.12	4191513.36	5.06E-07	1.95E-07	7.01E-07	8.12E-08	3.05E-08	1.12E-07	4.79E-08	2.18E-08	6.97E-08	3.97E-08	1.32E-08	5.29E-08
1203	564240.64	4191508.17	5.12E-07	1.97E-07	7.10E-07	8.22E-08	3.09E-08	1.13E-07	4.85E-08	2.21E-08	7.06E-08	4.02E-08	1.34E-08	5.36E-08

1204	564232.16	4191502.97	5.13E-07	1.97E-07	7.10E-07	8.22E-08	3.09E-08	1.13E-07	4.85E-08	2.21E-08	7.07E-08	4.02E-08	1.34E-08	5.36E-08
1205	564223.68	4191497.78	5.07E-07	1.95E-07	7.02E-07	8.13E-08	3.06E-08	1.12E-07	4.80E-08	2.19E-08	6.99E-08	3.98E-08	1.32E-08	5.30E-08
1206	564215.2	4191492.59	4.95E-07	1.90E-07	6.85E-07	7.94E-08	2.98E-08	1.09E-07	4.68E-08	2.14E-08	6.82E-08	3.88E-08	1.29E-08	5.17E-08
1207	564206.72	4191487.4	4.77E-07	1.83E-07	6.60E-07	7.65E-08	2.87E-08	1.05E-07	4.51E-08	2.06E-08	6.57E-08	3.74E-08	1.25E-08	4.99E-08
1208	564198.24	4191482.21	4.54E-07	1.75E-07	6.28E-07	7.28E-08	2.73E-08	1.00E-07	4.29E-08	1.96E-08	6.25E-08	3.56E-08	1.19E-08	4.74E-08
1209	564189.76	4191477.02	4.27E-07	1.64E-07	5.91E-07	6.84E-08	2.57E-08	9.41E-08	4.04E-08	1.84E-08	5.88E-08	3.35E-08	1.11E-08	4.46E-08
1210	564181.28	4191471.83	3.97E-07	1.53E-07	5.50E-07	6.38E-08	2.40E-08	8.77E-08	3.76E-08	1.72E-08	5.48E-08	3.12E-08	1.04E-08	4.16E-08
1211	564162.08	4191451.76	3.28E-07	1.26E-07	4.55E-07	5.27E-08	1.98E-08	7.25E-08	3.11E-08	1.42E-08	4.53E-08	2.58E-08	8.59E-09	3.44E-08
1212	564159.84	4191442.07	3.18E-07	1.22E-07	4.40E-07	5.10E-08	1.92E-08	7.01E-08	3.01E-08	1.37E-08	4.38E-08	2.49E-08	8.30E-09	3.32E-08
1213	564157.6	4191432.38	3.05E-07	1.17E-07	4.22E-07	4.89E-08	1.84E-08	6.73E-08	2.89E-08	1.32E-08	4.20E-08	2.39E-08	7.97E-09	3.19E-08
1214	564155.36	4191422.7	2.90E-07	1.12E-07	4.02E-07	4.65E-08	1.75E-08	6.40E-08	2.75E-08	1.25E-08	4.00E-08	2.28E-08	7.58E-09	3.03E-08
1215	564153.12	4191413.01	2.73E-07	1.05E-07	3.79E-07	4.39E-08	1.65E-08	6.03E-08	2.59E-08	1.18E-08	3.77E-08	2.14E-08	7.15E-09	2.86E-08
1216	564150.88	4191403.33	2.55E-07	9.83E-08	3.54E-07	4.10E-08	1.54E-08	5.64E-08	2.42E-08	1.10E-08	3.52E-08	2.00E-08	6.68E-09	2.67E-08
1217	564148.63	4191393.64	2.37E-07	9.12E-08	3.28E-07	3.80E-08	1.43E-08	5.23E-08	2.24E-08	1.02E-08	3.27E-08	1.86E-08	6.20E-09	2.48E-08
1218	564146.39	4191383.95	2.18E-07	8.40E-08	3.02E-07	3.50E-08	1.32E-08	4.82E-08	2.07E-08	9.43E-09	3.01E-08	1.71E-08	5.71E-09	2.28E-08
1219	564144.15	4191374.27	2.00E-07	7.70E-08	2.77E-07	3.21E-08	1.21E-08	4.42E-08	1.89E-08	8.64E-09	2.76E-08	1.57E-08	5.23E-09	2.09E-08
1220	564141.91	4191364.58	1.83E-07	7.03E-08	2.53E-07	2.93E-08	1.10E-08	4.03E-08	1.73E-08	7.89E-09	2.52E-08	1.43E-08	4.78E-09	1.91E-08
1221	564139.67	4191354.89	1.67E-07	6.42E-08	2.31E-07	2.67E-08	1.00E-08	3.68E-08	1.58E-08	7.20E-09	2.30E-08	1.31E-08	4.36E-09	1.74E-08
1222	564137.42	4191345.21	1.52E-07	5.87E-08	2.11E-07	2.45E-08	9.19E-09	3.36E-08	1.44E-08	6.58E-09	2.10E-08	1.20E-08	3.98E-09	1.59E-08
1223	564135.18	4191335.52	1.40E-07	5.39E-08	1.94E-07	2.25E-08	8.44E-09	3.09E-08	1.33E-08	6.04E-09	1.93E-08	1.10E-08	3.66E-09	1.46E-08
1224	564283.03	4191534.12	4.40E-07	1.69E-07	6.10E-07	7.06E-08	2.65E-08	9.72E-08	4.17E-08	1.90E-08	6.07E-08	3.45E-08	1.15E-08	4.60E-08
1225	564292.89	4191535.64	4.35E-07	1.67E-07	6.02E-07	6.98E-08	2.62E-08	9.60E-08	4.12E-08	1.88E-08	5.99E-08	3.41E-08	1.14E-08	4.55E-08
1226	564302.74	4191537.15	4.28E-07	1.65E-07	5.92E-07	6.86E-08	2.58E-08	9.44E-08	4.05E-08	1.85E-08	5.89E-08	3.35E-08	1.12E-08	4.47E-08
1227	564312.59	4191538.66	4.19E-07	1.61E-07	5.80E-07	6.72E-08	2.53E-08	9.25E-08	3.97E-08	1.81E-08	5.78E-08	3.29E-08	1.10E-08	4.38E-08
1228	564256.46	4191528.66	4.49E-07	1.73E-07	6.21E-07	7.20E-08	2.70E-08	9.90E-08	4.25E-08	1.94E-08	6.18E-08	3.52E-08	1.17E-08	4.69E-08
1229	564248.1	4191523.55	4.60E-07	1.77E-07	6.37E-07	7.38E-08	2.77E-08	1.01E-07	4.35E-08	1.98E-08	6.34E-08	3.61E-08	1.20E-08	4.81E-08
1230	564239.75	4191518.44	4.67E-07	1.80E-07	6.47E-07	7.50E-08	2.82E-08	1.03E-07	4.42E-08	2.02E-08	6.44E-08	3.67E-08	1.22E-08	4.89E-08
1231	564231.4	4191513.32	4.70E-07	1.81E-07	6.51E-07	7.54E-08	2.83E-08	1.04E-07	4.45E-08	2.03E-08	6.48E-08	3.69E-08	1.23E-08	4.92E-08
1232	564223.04	4191508.21	4.68E-07	1.80E-07	6.48E-07	7.51E-08	2.82E-08	1.03E-07	4.43E-08	2.02E-08	6.45E-08	3.67E-08	1.22E-08	4.90E-08
1233	564214.69	4191503.09	4.61E-07	1.77E-07	6.38E-07	7.39E-08	2.78E-08	1.02E-07	4.36E-08	1.99E-08	6.35E-08	3.61E-08	1.20E-08	4.82E-08
1234	564206.33	4191497.98	4.48E-07	1.73E-07	6.21E-07	7.19E-08	2.70E-08	9.90E-08	4.25E-08	1.94E-08	6.18E-08	3.52E-08	1.17E-08	4.69E-08
1235	564197.98	4191492.86	4.31E-07	1.66E-07	5.97E-07	6.92E-08	2.60E-08	9.52E-08	4.08E-08	1.86E-08	5.95E-08	3.38E-08	1.13E-08	4.51E-08
1236	564189.63	4191487.75	4.10E-07	1.58E-07	5.68E-07	6.58E-08	2.47E-08	9.06E-08	3.88E-08	1.77E-08	5.66E-08	3.22E-08	1.07E-08	4.29E-08
1237	564181.27	4191482.63	3.87E-07	1.49E-07	5.35E-07	6.20E-08	2.33E-08	8.53E-08	3.66E-08	1.67E-08	5.33E-08	3.03E-08	1.01E-08	4.04E-08
1238	564164.57	4191472.4	3.35E-07	1.29E-07	4.64E-07	5.37E-08	2.02E-08	7.39E-08	3.17E-08	1.44E-08	4.61E-08	2.63E-08	8.75E-09	3.50E-08
1239	564154	4191457.75	3.01E-07	1.16E-07	4.18E-07	4.84E-08	1.82E-08	6.65E-08	2.85E-08	1.30E-08	4.16E-08	2.37E-08	7.88E-09	3.15E-08
1240	564151.8	4191448.2	2.93E-07	1.13E-07	4.05E-07	4.69E-08	1.76E-08	6.46E-08	2.77E-08	1.26E-08	4.03E-08	2.30E-08	7.65E-09	3.06E-08
1241	564149.59	4191438.66	2.82E-07	1.08E-07	3.90E-07	4.52E-08	1.70E-08	6.22E-08	2.67E-08	1.22E-08	3.89E-08	2.21E-08	7.37E-09	2.95E-08
1242	564147.38	4191429.12	2.69E-07	1.04E-07	3.73E-07	4.32E-08	1.62E-08	5.94E-08	2.55E-08	1.16E-08	3.71E-08	2.11E-08	7.04E-09	2.82E-08
1243	564145.17	4191419.58	2.55E-07	9.82E-08	3.53E-07	4.09E-08	1.54E-08	5.63E-08	2.42E-08	1.10E-08	3.52E-08	2.00E-08	6.67E-09	2.67E-08
1244	564142.96	4191410.03	2.40E-07	9.23E-08	3.32E-07	3.85E-08	1.45E-08	5.29E-08	2.27E-08	1.04E-08	3.31E-08	1.88E-08	6.27E-09	2.51E-08
1245	564140.75	4191400.49	2.24E-07	8.63E-08	3.10E-07	3.60E-08	1.35E-08	4.95E-08	2.12E-08	9.68E-09	3.09E-08	1.76E-08	5.86E-09	2.34E-08
1246	564138.54	4191390.95	2.08E-07	8.01E-08	2.88E-07	3.34E-08	1.25E-08	4.59E-08	1.97E-08	8.98E-09	2.87E-08	1.63E-08	5.44E-09	2.18E-08
1247	564136.34	4191381.4	1.92E-07	7.39E-08	2.66E-07	3.08E-08	1.16E-08	4.24E-08	1.82E-08	8.29E-09	2.65E-08	1.51E-08	5.02E-09	2.01E-08
1248	564134.13	4191371.86	1.76E-07	6.79E-08	2.44E-07	2.83E-08	1.06E-08	3.89E-08	1.67E-08	7.61E-09	2.43E-08	1.38E-08	4.61E-09	1.84E-08
1249	564131.92	4191362.32	1.62E-07	6.22E-08	2.24E-07	2.59E-08	9.74E-09	3.57E-08	1.53E-08	6.98E-09	2.23E-08	1.27E-08	4.22E-09	1.69E-08
1250	564129.71	4191352.78	1.48E-07	5.70E-08	2.05E-07	2.38E-08	8.94E-09	3.27E-08	1.40E-08	6.40E-09	2.04E-08	1.16E-08	3.87E-09	1.55E-08
1251	564127.5	4191343.23	1.36E-07	5.25E-08	1.89E-07	2.19E-08	8.22E-09	3.01E-08	1.29E-08	5.88E-09	1.88E-08	1.07E-08	3.56E-09	1.43E-08
1252	564125.29	4191333.69	1.26E-07	4.85E-08	1.75E-07	2.02E-08	7.60E-09	2.78E-08	1.19E-08	5.44E-09	1.74E-08	9.89E-09	3.29E-09	1.32E-08
1253	564281.52	4191544.01	4.00E-07	1.54E-07	5.54E-07	6.42E-08	2.41E-08	8.83E-08	3.79E-08	1.73E-08	5.51E-08	3.14E-08	1.05E-08	4.18E-08
1254	564291.37	4191545.52	3.95E-07	1.52E-07	5.47E-07	6.34E-08	2.38E-08	8.72E-08	3.74E-08	1.71E-08	5.45E-08	3.10E-08	1.03E-08	4.13E-08
1255	564301.22	4191547.03	3.89E-07	1.50E-07	5.39E-07	6.24E-08	2.34E-08	8.58E-08	3.68E-08	1.68E-08	5.36E-08	3.05E-08	1.02E-08	4.07E-08
1256	564311.08	4191548.55	3.81E-07	1.47E-07	5.28E-07	6.12E-08	2.30E-08	8.42E-08	3.61E-08	1.65E-08	5.26E-08	2.99E-08	9.97E-09	3.99E-08
1257	564255.27	4191538.75	4.08E-07	1.57E-07	5.65E-07	6.55E-08	2.46E-08	9.01E-08	3.87E-08	1.76E-08	5.63E-08	3.20E-08	1.07E-08	4.27E-08
1258	564247.02	4191533.7	4.19E-07	1.61E-07	5.81E-07	6.73E-08	2.53E-08	9.25E-08	3.97E-08	1.81E-08	5.78E-08	3.29E-08	1.10E-08	4.39E-08
1259	564238.78	4191528.66	4.27E-07	1.64E-07	5.92E-07	6.85E-08	2.58E-08	9.43E-08	4.04E-08	1.84E-08	5.89E-08	3.35E-08	1.12E-08	4.47E-08
1260	564230.54	4191523.61	4.32E-07	1.66E-07	5.98E-07	6.93E-08	2.60E-08	9.53E-08	4.09E-08	1.86E-08	5.95E-08	3.39E-08	1.13E-08	4.52E-08
1261	564222.29	4191518.56	4.32E-07	1.66E-07	5.98E-07	6.93E-08	2.61E-08	9.54E-08	4.09E-08	1.87E-08	5.96E-08	3.39E-08	1.13E-08	4.52E-08
1262	564214.05	4191513.51	4.28E-07	1.65E-07	5.93E-07	6.87E-08	2.58E-08	9.45E-08	4.05E-08	1.85E-08	5.90E-08	3.36E-08	1.12E-08	4.48E-08
1263	564205.81	4191508.47	4.20E-07	1.62E-07	5.82E-07	6.74E-08	2.53E-08	9.27E-08	3.98E-08	1.81E-08	5.79E-08	3.30E-08	1.10E-08	4.39E-08
1264	564197.56	4191503.42	4.08E-07	1.57E-07	5.65E-07	6.54E-08	2.46E-08	9.00E-08	3.86E-08	1.76E-08	5.62E-08	3.20E-08	1.07E-08	4.27E-08
1265	564189.32	4191498.37	3.92E-07	1.51E-07	5.43E-07	6.29E-08	2.36E-08	8.65E-08	3.71E-08	1.69E-08	5.40E-08	3.07E-08	1.02E-08	4.10E-08
1266	564181.07	4191493.32	3.73E-07	1.44E-07	5.16E-07	5.98E-08	2.25E-08	8.23E-08	3.53E-08	1.61E-08	5.14E-08	2.93E-08	9.75E-09	3.90E-08
1267	564164.59	4191483.23	3.29E-07	1.27E-07	4.56E-07	5.28E-08	1.99E-08	7.27E-08	3.12E-08	1.42E-08	4.54E-08	2.58E-08	8.61E-09	3.45E-08
1268	564156.34	4191478.18	3.06E-07	1.18E-07	4.24E-07	4.92E-08	1.85E-08	6.76E-08	2.90E-08	1.32E-08	4.22E-08	2.40E-08	8.01E-09	3.21E-08
1269	564145.92	4191463.72	2.78E-07	1.07E-07	3.85E-07	4.45E-08	1.67E-08	6.13E-08	2.63E-08	1.20E-08	3.83E-08	2.18E-08	7.26E-09	2.90E-08
1270	564143.74	4191454.3	2.70E-07	1.04E-07	3.74E-07	4.33E-08	1.63E-08	5.96E-08	2.56E-08	1.17E-08	3.72E-08	2.12E-08	7.06E-09	2.82E-08
1271	564141.56	4191444.88	2.61E-07	1.00E-07	3.61E-07	4.19E-08	1.57E-08	5.76E-08	2.47E-08	1.13E-08	3.60E-08	2.05E-08	6.82E-09	2.73E-08
1272	564139.38	4191435.47	2.51E-07	9.64E-08	3.47E-07	4.02E-08	1.51E-08	5.53E-08	2.37E-08	1.08E-08	3.45E-08	1.97E-08	6.55E-09	2.62E-08
1273	564137.2	4191426.05	2.39E-07	9.18E-08	3.30E-07	3.83E-08	1.44E-08	5.27E-08	2.26E-08	1.03E-08	3.29E-08	1.87E-08	6.24E-09	2.50E-08
1274	564135.02	4191416.63	2.26E-07	8.69E-08	3.13E-07	3.62E-08	1.36E-08	4.98E-08	2.14E-08	9.75E-09	3.11E-08	1.77E-08	5.90E-09	2.36E-08

1275	564132.84	4191407.22	2.12E-07	8.16E-08	2.94E-07	3.40E-08	1.28E-08	4.68E-08	2.01E-08	9.16E-09	2.92E-08	1.66E-08	5.55E-09	2.22E-08
1276	564130.66	4191397.8	1.98E-07	7.63E-08	2.74E-07	3.18E-08	1.19E-08	4.37E-08	1.88E-08	8.56E-09	2.73E-08	1.56E-08	5.18E-09	2.07E-08
1277	564128.48	4191388.38	1.84E-07	7.08E-08	2.55E-07	2.95E-08	1.11E-08	4.06E-08	1.74E-08	7.94E-09	2.54E-08	1.44E-08	4.81E-09	1.92E-08
1278	564126.3	4191378.96	1.70E-07	6.54E-08	2.35E-07	2.73E-08	1.02E-08	3.75E-08	1.61E-08	7.33E-09	2.34E-08	1.33E-08	4.44E-09	1.78E-08
1279	564124.13	4191369.55	1.57E-07	6.02E-08	2.17E-07	2.51E-08	9.43E-09	3.45E-08	1.48E-08	6.76E-09	2.16E-08	1.23E-08	4.09E-09	1.64E-08
1280	564121.95	4191360.13	1.44E-07	5.54E-08	1.99E-07	2.31E-08	8.68E-09	3.18E-08	1.36E-08	6.22E-09	1.99E-08	1.13E-08	3.76E-09	1.51E-08
1281	564119.77	4191350.71	1.33E-07	5.11E-08	1.84E-07	2.13E-08	8.00E-09	2.93E-08	1.26E-08	5.73E-09	1.83E-08	1.04E-08	3.47E-09	1.39E-08
1282	564117.59	4191341.29	1.23E-07	4.72E-08	1.70E-07	1.97E-08	7.40E-09	2.71E-08	1.16E-08	5.30E-09	1.69E-08	9.63E-09	3.21E-09	1.28E-08
1283	564115.41	4191331.88	1.14E-07	4.39E-08	1.58E-07	1.83E-08	6.88E-09	2.52E-08	1.08E-08	4.93E-09	1.57E-08	8.96E-09	2.98E-09	1.19E-08
1284	564245.89	4191543.82	3.84E-07	1.48E-07	5.31E-07	6.15E-08	2.31E-08	8.47E-08	3.63E-08	1.66E-08	5.29E-08	3.01E-08	1.00E-08	4.01E-08
1285	564237.75	4191538.84	3.92E-07	1.51E-07	5.42E-07	6.28E-08	2.36E-08	8.65E-08	3.71E-08	1.69E-08	5.40E-08	3.07E-08	1.02E-08	4.10E-08
1286	564229.6	4191533.85	3.97E-07	1.53E-07	5.50E-07	6.37E-08	2.39E-08	8.76E-08	3.76E-08	1.71E-08	5.47E-08	3.11E-08	1.04E-08	4.15E-08
1287	564221.45	4191528.86	3.99E-07	1.54E-07	5.53E-07	6.40E-08	2.41E-08	8.81E-08	3.78E-08	1.72E-08	5.50E-08	3.13E-08	1.04E-08	4.18E-08
1288	564213.31	4191523.87	3.98E-07	1.53E-07	5.51E-07	6.38E-08	2.40E-08	8.78E-08	3.77E-08	1.72E-08	5.48E-08	3.12E-08	1.04E-08	4.16E-08
1289	564205.16	4191518.89	3.93E-07	1.51E-07	5.44E-07	6.30E-08	2.37E-08	8.67E-08	3.72E-08	1.70E-08	5.41E-08	3.08E-08	1.03E-08	4.11E-08
1290	564197.01	4191513.9	3.84E-07	1.48E-07	5.32E-07	6.16E-08	2.32E-08	8.48E-08	3.64E-08	1.66E-08	5.30E-08	3.01E-08	1.00E-08	4.02E-08
1291	564188.87	4191508.91	3.72E-07	1.43E-07	5.16E-07	5.97E-08	2.24E-08	8.22E-08	3.52E-08	1.61E-08	5.13E-08	2.92E-08	9.73E-09	3.89E-08
1292	564180.72	4191503.92	3.58E-07	1.38E-07	4.95E-07	5.74E-08	2.15E-08	7.89E-08	3.38E-08	1.54E-08	4.93E-08	2.80E-08	9.34E-09	3.74E-08
1293	564164.43	4191493.95	3.22E-07	1.24E-07	4.45E-07	5.16E-08	1.94E-08	7.10E-08	3.04E-08	1.39E-08	4.43E-08	2.52E-08	8.41E-09	3.36E-08
1294	564156.28	4191488.96	3.02E-07	1.16E-07	4.18E-07	4.84E-08	1.82E-08	6.66E-08	2.86E-08	1.30E-08	4.16E-08	2.37E-08	7.89E-09	3.16E-08
1295	564148.13	4191483.97	2.82E-07	1.08E-07	3.90E-07	4.52E-08	1.70E-08	6.22E-08	2.67E-08	1.22E-08	3.88E-08	2.21E-08	7.36E-09	2.95E-08
1296	564137.83	4191469.68	2.57E-07	9.87E-08	3.55E-07	4.12E-08	1.55E-08	5.66E-08	2.43E-08	1.11E-08	3.54E-08	2.01E-08	6.71E-09	2.68E-08
1297	564135.68	4191460.37	2.50E-07	9.62E-08	3.46E-07	4.01E-08	1.51E-08	5.52E-08	2.37E-08	1.08E-08	3.45E-08	1.96E-08	6.53E-09	2.61E-08
1298	564133.53	4191451.06	2.42E-07	9.32E-08	3.35E-07	3.89E-08	1.46E-08	5.34E-08	2.29E-08	1.05E-08	3.34E-08	1.90E-08	6.33E-09	2.53E-08
1299	564131.37	4191441.76	2.33E-07	8.98E-08	3.23E-07	3.74E-08	1.41E-08	5.15E-08	2.21E-08	1.01E-08	3.22E-08	1.83E-08	6.10E-09	2.44E-08
1300	564129.22	4191432.45	2.23E-07	8.59E-08	3.09E-07	3.58E-08	1.35E-08	4.93E-08	2.11E-08	9.64E-09	3.08E-08	1.75E-08	5.84E-09	2.34E-08
1301	564127.06	4191423.14	2.12E-07	8.17E-08	2.94E-07	3.41E-08	1.28E-08	4.69E-08	2.01E-08	9.17E-09	2.93E-08	1.67E-08	5.55E-09	2.22E-08
1302	564124.91	4191413.84	2.01E-07	7.73E-08	2.78E-07	3.22E-08	1.21E-08	4.43E-08	1.90E-08	8.67E-09	2.77E-08	1.58E-08	5.25E-09	2.10E-08
1303	564122.76	4191404.53	1.89E-07	7.26E-08	2.61E-07	3.03E-08	1.14E-08	4.17E-08	1.79E-08	8.15E-09	2.60E-08	1.48E-08	4.93E-09	1.97E-08
1304	564120.6	4191395.22	1.76E-07	6.78E-08	2.44E-07	2.83E-08	1.06E-08	3.89E-08	1.67E-08	7.61E-09	2.43E-08	1.38E-08	4.61E-09	1.84E-08
1305	564118.45	4191385.92	1.64E-07	6.30E-08	2.27E-07	2.63E-08	9.86E-09	3.61E-08	1.55E-08	7.06E-09	2.26E-08	1.28E-08	4.28E-09	1.71E-08
1306	564116.29	4191376.61	1.51E-07	5.82E-08	2.09E-07	2.43E-08	9.12E-09	3.34E-08	1.43E-08	6.53E-09	2.08E-08	1.19E-08	3.95E-09	1.58E-08
1307	564114.14	4191367.31	1.40E-07	5.38E-08	1.94E-07	2.24E-08	8.43E-09	3.09E-08	1.32E-08	6.04E-09	1.93E-08	1.10E-08	3.65E-09	1.46E-08
1308	564111.99	4191358	1.29E-07	4.97E-08	1.79E-07	2.07E-08	7.79E-09	2.85E-08	1.22E-08	5.58E-09	1.78E-08	1.01E-08	3.38E-09	1.35E-08
1309	564109.83	4191348.69	1.20E-07	4.60E-08	1.66E-07	1.92E-08	7.21E-09	2.64E-08	1.13E-08	5.16E-09	1.65E-08	9.38E-09	3.13E-09	1.25E-08
1310	564107.68	4191339.39	1.11E-07	4.28E-08	1.54E-07	1.78E-08	6.70E-09	2.45E-08	1.05E-08	4.80E-09	1.53E-08	8.72E-09	2.91E-09	1.16E-08
1311	564105.53	4191330.08	1.04E-07	4.00E-08	1.44E-07	1.67E-08	6.26E-09	2.29E-08	9.83E-09	4.48E-09	1.43E-08	8.15E-09	2.72E-09	1.09E-08
1312	564278.48	4191563.78	3.34E-07	1.29E-07	4.63E-07	5.36E-08	2.01E-08	7.38E-08	3.16E-08	1.44E-08	4.61E-08	2.62E-08	8.73E-09	3.50E-08
1313	564268.9	4191568.73	3.19E-07	1.23E-07	4.42E-07	5.12E-08	1.92E-08	7.05E-08	3.02E-08	1.38E-08	4.40E-08	2.51E-08	8.35E-09	3.34E-08
1314	564260.84	4191563.79	3.31E-07	1.27E-07	4.58E-07	5.31E-08	2.00E-08	7.31E-08	3.13E-08	1.43E-08	4.56E-08	2.60E-08	8.65E-09	3.46E-08
1315	564252.78	4191558.85	3.42E-07	1.32E-07	4.74E-07	5.49E-08	2.06E-08	7.55E-08	3.24E-08	1.48E-08	4.72E-08	2.68E-08	8.94E-09	3.58E-08
1316	564220.54	4191539.11	3.69E-07	1.42E-07	5.11E-07	5.92E-08	2.23E-08	8.15E-08	3.50E-08	1.59E-08	5.09E-08	2.90E-08	9.65E-09	3.86E-08
1317	564212.48	4191534.18	3.69E-07	1.42E-07	5.12E-07	5.93E-08	2.23E-08	8.15E-08	3.50E-08	1.59E-08	5.09E-08	2.90E-08	9.66E-09	3.86E-08
1318	564204.42	4191529.24	3.67E-07	1.41E-07	5.08E-07	5.88E-08	2.21E-08	8.10E-08	3.47E-08	1.58E-08	5.06E-08	2.88E-08	9.59E-09	3.84E-08
1319	564196.36	4191524.31	3.61E-07	1.39E-07	5.00E-07	5.79E-08	2.18E-08	7.97E-08	3.42E-08	1.56E-08	4.98E-08	2.83E-08	9.44E-09	3.78E-08
1320	564188.3	4191519.37	3.52E-07	1.36E-07	4.88E-07	5.65E-08	2.12E-08	7.78E-08	3.34E-08	1.52E-08	4.86E-08	2.77E-08	9.21E-09	3.69E-08
1321	564180.24	4191514.44	3.41E-07	1.31E-07	4.72E-07	5.47E-08	2.06E-08	7.53E-08	3.23E-08	1.47E-08	4.70E-08	2.68E-08	8.92E-09	3.57E-08
1322	564156.06	4191499.63	2.95E-07	1.14E-07	4.09E-07	4.74E-08	1.78E-08	6.52E-08	2.80E-08	1.28E-08	4.07E-08	2.32E-08	7.72E-09	3.09E-08
1323	564147.99	4191494.7	2.78E-07	1.07E-07	3.85E-07	4.46E-08	1.67E-08	6.13E-08	2.63E-08	1.20E-08	3.83E-08	2.18E-08	7.26E-09	2.90E-08
1324	564139.93	4191489.76	2.60E-07	1.00E-07	3.60E-07	4.17E-08	1.57E-08	5.74E-08	2.46E-08	1.12E-08	3.59E-08	2.04E-08	6.80E-09	2.72E-08
1325	564129.74	4191475.62	2.38E-07	9.16E-08	3.30E-07	3.82E-08	1.43E-08	5.25E-08	2.25E-08	1.03E-08	3.28E-08	1.87E-08	6.22E-09	2.49E-08
1326	564127.61	4191466.41	2.32E-07	8.93E-08	3.21E-07	3.72E-08	1.40E-08	5.12E-08	2.20E-08	1.00E-08	3.20E-08	1.82E-08	6.06E-09	2.43E-08
1327	564125.48	4191457.2	2.25E-07	8.67E-08	3.12E-07	3.61E-08	1.36E-08	4.97E-08	2.13E-08	9.72E-09	3.11E-08	1.77E-08	5.89E-09	2.36E-08
1328	564123.35	4191448	2.18E-07	8.37E-08	3.01E-07	3.49E-08	1.31E-08	4.80E-08	2.06E-08	9.39E-09	3.00E-08	1.71E-08	5.69E-09	2.28E-08
1329	564121.22	4191438.79	2.09E-07	8.05E-08	2.90E-07	3.36E-08	1.26E-08	4.62E-08	1.98E-08	9.03E-09	2.88E-08	1.64E-08	5.47E-09	2.19E-08
1330	564119.09	4191429.58	2.00E-07	7.69E-08	2.77E-07	3.21E-08	1.21E-08	4.41E-08	1.89E-08	8.63E-09	2.76E-08	1.57E-08	5.22E-09	2.09E-08
1331	564116.96	4191420.37	1.90E-07	7.31E-08	2.63E-07	3.05E-08	1.15E-08	4.19E-08	1.80E-08	8.20E-09	2.62E-08	1.49E-08	4.97E-09	1.99E-08
1332	564114.83	4191411.16	1.80E-07	6.91E-08	2.49E-07	2.88E-08	1.08E-08	3.97E-08	1.70E-08	7.75E-09	2.48E-08	1.41E-08	4.70E-09	1.88E-08
1333	564112.69	4191401.96	1.69E-07	6.49E-08	2.34E-07	2.71E-08	1.02E-08	3.72E-08	1.60E-08	7.28E-09	2.33E-08	1.32E-08	4.41E-09	1.76E-08
1334	564110.56	4191392.75	1.58E-07	6.06E-08	2.18E-07	2.53E-08	9.49E-09	3.48E-08	1.49E-08	6.80E-09	2.17E-08	1.24E-08	4.12E-09	1.65E-08
1335	564108.43	4191383.54	1.46E-07	5.64E-08	2.03E-07	2.35E-08	8.83E-09	3.23E-08	1.39E-08	6.32E-09	2.02E-08	1.15E-08	3.83E-09	1.53E-08
1336	564106.3	4191374.33	1.36E-07	5.23E-08	1.88E-07	2.18E-08	8.19E-09	3.00E-08	1.29E-08	5.86E-09	1.87E-08	1.07E-08	3.55E-09	1.42E-08
1337	564104.17	4191365.13	1.26E-07	4.85E-08	1.74E-07	2.02E-08	7.59E-09	2.78E-08	1.19E-08	5.44E-09	1.74E-08	9.88E-09	3.29E-09	1.32E-08
1338	564102.04	4191355.92	1.17E-07	4.49E-08	1.62E-07	1.87E-08	7.04E-09	2.58E-08	1.11E-08	5.04E-09	1.61E-08	9.16E-09	3.05E-09	1.22E-08
1339	564099.91	4191346.71	1.08E-07	4.17E-08	1.50E-07	1.74E-08	6.53E-09	2.39E-08	1.03E-08	4.68E-09	1.49E-08	8.50E-09	2.83E-09	1.13E-08
1340	564097.78	4191337.5	1.01E-07	3.89E-08	1.40E-07	1.62E-08	6.10E-09	2.23E-08	9.57E-09	4.37E-09	1.39E-08	7.93E-09	2.64E-09	1.06E-08
1341	564095.65	4191328.29	9.49E-08	3.65E-08	1.31E-07	1.52E-08	5.72E-09	2.09E-08	8.98E-09	4.10E-09	1.31E-08	7.45E-09	2.48E-09	9.93E-09
1342	564276.96	4191573.66	3.07E-07	1.18E-07	4.26E-07	4.93E-08	1.85E-08	6.78E-08	2.91E-08	1.33E-08	4.24E-08	2.41E-08	8.03E-09	3.21E-08
1343	564286.82	4191575.17	3.03E-07	1.17E-07	4.20E-07	4.87E-08	1.83E-08	6.70E-08	2.87E-08	1.31E-08	4.18E-08	2.38E-08	7.93E-09	3.17E-08
1344	564296.67	4191576.69	2.99E-07	1.15E-07	4.14E-07	4.80E-08	1.80E-08	6.60E-08	2.83E-08	1.29E-08	4.12E-08	2.35E-08	7.82E-09	3.13E-08
1345	564306.52	4191578.2	2.94E-07	1.13E-07	4.07E-07	4.72E-08	1.77E-08	6.49E-08	2.79E-08	1.27E-08	4.06E-08	2.31E-08	7.69E-09	3.08E-08

1346	564267.02	4191578.38	2.95E-07	1.14E-07	4.09E-07	4.73E-08	1.78E-08	6.51E-08	2.79E-08	1.27E-08	4.07E-08	2.32E-08	7.71E-09	3.09E-08
1347	564258.59	4191573.23	3.06E-07	1.18E-07	4.24E-07	4.91E-08	1.85E-08	6.76E-08	2.90E-08	1.32E-08	4.22E-08	2.40E-08	8.00E-09	3.20E-08
1348	564250.16	4191568.07	3.17E-07	1.22E-07	4.39E-07	5.08E-08	1.91E-08	6.99E-08	3.00E-08	1.37E-08	4.37E-08	2.49E-08	8.28E-09	3.31E-08
1349	564241.74	4191562.91	3.26E-07	1.26E-07	4.52E-07	5.23E-08	1.97E-08	7.20E-08	3.09E-08	1.41E-08	4.50E-08	2.56E-08	8.53E-09	3.41E-08
1350	564233.31	4191557.75	3.34E-07	1.28E-07	4.62E-07	5.36E-08	2.01E-08	7.37E-08	3.16E-08	1.44E-08	4.60E-08	2.62E-08	8.73E-09	3.49E-08
1351	564191.18	4191531.95	3.36E-07	1.29E-07	4.65E-07	5.39E-08	2.03E-08	7.41E-08	3.18E-08	1.45E-08	4.63E-08	2.64E-08	8.78E-09	3.51E-08
1352	564182.75	4191526.79	3.28E-07	1.26E-07	4.54E-07	5.26E-08	1.98E-08	7.24E-08	3.10E-08	1.42E-08	4.52E-08	2.57E-08	8.57E-09	3.43E-08
1353	564157.47	4191511.31	2.91E-07	1.12E-07	4.03E-07	4.66E-08	1.75E-08	6.42E-08	2.75E-08	1.25E-08	4.01E-08	2.28E-08	7.60E-09	3.04E-08
1354	564149.04	4191506.15	2.75E-07	1.06E-07	3.81E-07	4.41E-08	1.66E-08	6.07E-08	2.60E-08	1.19E-08	3.79E-08	2.16E-08	7.19E-09	2.88E-08
1355	564140.61	4191500.99	2.59E-07	9.95E-08	3.58E-07	4.15E-08	1.56E-08	5.71E-08	2.45E-08	1.12E-08	3.56E-08	2.03E-08	6.76E-09	2.70E-08
1356	564132.19	4191495.83	2.42E-07	9.32E-08	3.35E-07	3.88E-08	1.46E-08	5.34E-08	2.29E-08	1.05E-08	3.34E-08	1.90E-08	6.33E-09	2.53E-08
1357	564121.53	4191481.05	2.21E-07	8.52E-08	3.06E-07	3.55E-08	1.33E-08	4.88E-08	2.09E-08	9.55E-09	3.05E-08	1.74E-08	5.78E-09	2.31E-08
1358	564119.3	4191471.42	2.16E-07	8.30E-08	2.99E-07	3.46E-08	1.30E-08	4.76E-08	2.04E-08	9.31E-09	2.97E-08	1.69E-08	5.63E-09	2.25E-08
1359	564117.08	4191461.8	2.09E-07	8.05E-08	2.90E-07	3.35E-08	1.26E-08	4.61E-08	1.98E-08	9.03E-09	2.88E-08	1.64E-08	5.46E-09	2.19E-08
1360	564114.85	4191452.17	2.02E-07	7.77E-08	2.80E-07	3.24E-08	1.22E-08	4.46E-08	1.91E-08	8.72E-09	2.78E-08	1.58E-08	5.28E-09	2.11E-08
1361	564112.62	4191442.54	1.94E-07	7.47E-08	2.69E-07	3.11E-08	1.17E-08	4.28E-08	1.84E-08	8.38E-09	2.67E-08	1.52E-08	5.07E-09	2.03E-08
1362	564110.39	4191432.92	1.86E-07	7.14E-08	2.57E-07	2.98E-08	1.12E-08	4.09E-08	1.76E-08	8.01E-09	2.56E-08	1.46E-08	4.85E-09	1.94E-08
1363	564108.17	4191423.29	1.76E-07	6.78E-08	2.44E-07	2.83E-08	1.06E-08	3.89E-08	1.67E-08	7.61E-09	2.43E-08	1.38E-08	4.61E-09	1.84E-08
1364	564105.94	4191413.66	1.67E-07	6.41E-08	2.31E-07	2.67E-08	1.00E-08	3.68E-08	1.58E-08	7.19E-09	2.30E-08	1.31E-08	4.35E-09	1.74E-08
1365	564103.71	4191404.04	1.56E-07	6.01E-08	2.16E-07	2.51E-08	9.42E-09	3.45E-08	1.48E-08	6.75E-09	2.15E-08	1.23E-08	4.09E-09	1.63E-08
1366	564101.48	4191394.41	1.46E-07	5.61E-08	2.02E-07	2.34E-08	8.79E-09	3.22E-08	1.38E-08	6.30E-09	2.01E-08	1.14E-08	3.81E-09	1.53E-08
1367	564099.25	4191384.78	1.36E-07	5.22E-08	1.88E-07	2.18E-08	8.18E-09	2.99E-08	1.28E-08	5.85E-09	1.87E-08	1.06E-08	3.54E-09	1.42E-08
1368	564097.03	4191375.16	1.26E-07	4.84E-08	1.74E-07	2.02E-08	7.58E-09	2.78E-08	1.19E-08	5.43E-09	1.73E-08	9.86E-09	3.29E-09	1.32E-08
1369	564094.8	4191365.53	1.16E-07	4.48E-08	1.61E-07	1.87E-08	7.02E-09	2.57E-08	1.10E-08	5.02E-09	1.60E-08	9.13E-09	3.04E-09	1.22E-08
1370	564092.57	4191355.9	1.08E-07	4.14E-08	1.49E-07	1.73E-08	6.49E-09	2.38E-08	1.02E-08	4.65E-09	1.48E-08	8.45E-09	2.81E-09	1.13E-08
1371	564090.34	4191346.28	9.98E-08	3.84E-08	1.38E-07	1.60E-08	6.02E-09	2.20E-08	9.45E-09	4.31E-09	1.38E-08	7.83E-09	2.61E-09	1.04E-08
1372	564088.11	4191336.65	9.31E-08	3.58E-08	1.29E-07	1.49E-08	5.61E-09	2.05E-08	8.81E-09	4.02E-09	1.28E-08	7.30E-09	2.43E-09	9.74E-09
1373	564085.89	4191327.02	8.73E-08	3.36E-08	1.21E-07	1.40E-08	5.27E-09	1.93E-08	8.27E-09	3.77E-09	1.20E-08	6.85E-09	2.28E-09	9.14E-09
1374	564275.44	4191583.54	2.84E-07	1.09E-07	3.93E-07	4.55E-08	1.71E-08	6.26E-08	2.69E-08	1.22E-08	3.91E-08	2.23E-08	7.41E-09	2.97E-08
1375	564285.3	4191585.06	2.80E-07	1.08E-07	3.88E-07	4.49E-08	1.69E-08	6.18E-08	2.65E-08	1.21E-08	3.86E-08	2.20E-08	7.32E-09	2.93E-08
1376	564295.15	4191586.57	2.76E-07	1.06E-07	3.82E-07	4.42E-08	1.66E-08	6.09E-08	2.61E-08	1.19E-08	3.80E-08	2.16E-08	7.21E-09	2.88E-08
1377	564305	4191588.08	2.72E-07	1.05E-07	3.76E-07	4.36E-08	1.64E-08	6.00E-08	2.57E-08	1.17E-08	3.75E-08	2.13E-08	7.10E-09	2.84E-08
1378	564265.6	4191588.33	2.73E-07	1.05E-07	3.78E-07	4.38E-08	1.65E-08	6.03E-08	2.58E-08	1.18E-08	3.76E-08	2.14E-08	7.14E-09	2.86E-08
1379	564257.27	4191583.23	2.83E-07	1.09E-07	3.92E-07	4.54E-08	1.71E-08	6.25E-08	2.68E-08	1.22E-08	3.90E-08	2.22E-08	7.40E-09	2.96E-08
1380	564248.94	4191578.13	2.93E-07	1.13E-07	4.05E-07	4.70E-08	1.76E-08	6.46E-08	2.77E-08	1.26E-08	4.03E-08	2.30E-08	7.65E-09	3.06E-08
1381	564240.6	4191573.03	3.01E-07	1.16E-07	4.17E-07	4.83E-08	1.82E-08	6.65E-08	2.85E-08	1.30E-08	4.15E-08	2.36E-08	7.88E-09	3.15E-08
1382	564232.27	4191567.93	3.09E-07	1.19E-07	4.28E-07	4.95E-08	1.86E-08	6.81E-08	2.92E-08	1.33E-08	4.26E-08	2.42E-08	8.07E-09	3.23E-08
1383	564223.94	4191562.83	3.14E-07	1.21E-07	4.35E-07	5.04E-08	1.90E-08	6.94E-08	2.98E-08	1.36E-08	4.33E-08	2.47E-08	8.22E-09	3.29E-08
1384	564215.61	4191557.73	3.18E-07	1.22E-07	4.41E-07	5.11E-08	1.92E-08	7.03E-08	3.01E-08	1.37E-08	4.39E-08	2.50E-08	8.32E-09	3.33E-08
1385	564207.28	4191552.63	3.20E-07	1.23E-07	4.43E-07	5.13E-08	1.93E-08	7.06E-08	3.03E-08	1.38E-08	4.41E-08	2.51E-08	8.36E-09	3.35E-08
1386	564157.3	4191522.02	2.82E-07	1.08E-07	3.90E-07	4.52E-08	1.70E-08	6.21E-08	2.67E-08	1.22E-08	3.88E-08	2.21E-08	7.36E-09	2.94E-08
1387	564148.97	4191516.92	2.69E-07	1.03E-07	3.72E-07	4.31E-08	1.62E-08	5.93E-08	2.54E-08	1.16E-08	3.70E-08	2.11E-08	7.02E-09	2.81E-08
1388	564140.64	4191511.82	2.55E-07	9.79E-08	3.52E-07	4.08E-08	1.53E-08	5.62E-08	2.41E-08	1.10E-08	3.51E-08	2.00E-08	6.65E-09	2.66E-08
1389	564132.31	4191506.72	2.40E-07	9.23E-08	3.32E-07	3.85E-08	1.45E-08	5.30E-08	2.27E-08	1.04E-08	3.31E-08	1.88E-08	6.27E-09	2.51E-08
1390	564123.98	4191501.62	2.25E-07	8.67E-08	3.12E-07	3.61E-08	1.36E-08	4.97E-08	2.13E-08	9.73E-09	3.11E-08	1.77E-08	5.89E-09	2.36E-08
1391	564113.45	4191487	2.07E-07	7.96E-08	2.86E-07	3.32E-08	1.25E-08	4.56E-08	1.96E-08	8.92E-09	2.85E-08	1.62E-08	5.40E-09	2.16E-08
1392	564111.24	4191477.49	2.02E-07	7.76E-08	2.79E-07	3.24E-08	1.22E-08	4.45E-08	1.91E-08	8.71E-09	2.78E-08	1.58E-08	5.27E-09	2.11E-08
1393	564109.04	4191467.97	1.96E-07	7.54E-08	2.71E-07	3.14E-08	1.18E-08	4.32E-08	1.85E-08	8.45E-09	2.70E-08	1.54E-08	5.12E-09	2.05E-08
1394	564106.84	4191458.46	1.90E-07	7.30E-08	2.63E-07	3.04E-08	1.14E-08	4.19E-08	1.80E-08	8.19E-09	2.61E-08	1.49E-08	4.96E-09	1.98E-08
1395	564104.64	4191448.94	1.83E-07	7.04E-08	2.53E-07	2.93E-08	1.10E-08	4.04E-08	1.73E-08	7.89E-09	2.52E-08	1.43E-08	4.78E-09	1.91E-08
1396	564102.43	4191439.42	1.75E-07	6.75E-08	2.43E-07	2.81E-08	1.06E-08	3.87E-08	1.66E-08	7.57E-09	2.42E-08	1.38E-08	4.59E-09	1.84E-08
1397	564100.23	4191429.91	1.67E-07	6.44E-08	2.32E-07	2.69E-08	1.01E-08	3.69E-08	1.58E-08	7.23E-09	2.31E-08	1.31E-08	4.38E-09	1.75E-08
1398	564098.03	4191420.39	1.59E-07	6.11E-08	2.20E-07	2.55E-08	9.57E-09	3.51E-08	1.50E-08	6.86E-09	2.19E-08	1.25E-08	4.15E-09	1.66E-08
1399	564095.83	4191410.87	1.50E-07	5.76E-08	2.07E-07	2.40E-08	9.03E-09	3.31E-08	1.42E-08	6.47E-09	2.06E-08	1.18E-08	3.92E-09	1.57E-08
1400	564093.62	4191401.36	1.41E-07	5.41E-08	1.95E-07	2.26E-08	8.48E-09	3.10E-08	1.33E-08	6.07E-09	1.94E-08	1.10E-08	3.68E-09	1.47E-08
1401	564091.42	4191391.84	1.31E-07	5.06E-08	1.82E-07	2.11E-08	7.92E-09	2.90E-08	1.24E-08	5.67E-09	1.81E-08	1.03E-08	3.44E-09	1.38E-08
1402	564089.22	4191382.32	1.23E-07	4.71E-08	1.70E-07	1.97E-08	7.39E-09	2.70E-08	1.16E-08	5.29E-09	1.69E-08	9.61E-09	3.20E-09	1.28E-08
1403	564087.02	4191372.81	1.14E-07	4.38E-08	1.58E-07	1.83E-08	6.87E-09	2.51E-08	1.08E-08	4.92E-09	1.57E-08	8.94E-09	2.98E-09	1.19E-08
1404	564084.81	4191363.29	1.06E-07	4.07E-08	1.46E-07	1.69E-08	6.37E-09	2.33E-08	1.00E-08	4.56E-09	1.46E-08	8.29E-09	2.76E-09	1.11E-08
1405	564082.61	4191353.78	9.80E-08	3.77E-08	1.36E-07	1.57E-08	5.91E-09	2.16E-08	9.28E-09	4.23E-09	1.35E-08	7.69E-09	2.56E-09	1.03E-08
1406	564080.41	4191344.26	9.13E-08	3.51E-08	1.26E-07	1.46E-08	5.50E-09	2.01E-08	8.64E-09	3.94E-09	1.26E-08	7.16E-09	2.39E-09	9.55E-09
1407	564078.21	4191334.74	8.55E-08	3.29E-08	1.18E-07	1.37E-08	5.16E-09	1.89E-08	8.10E-09	3.69E-09	1.18E-08	6.71E-09	2.24E-09	8.95E-09
1408	564076	4191325.23	8.06E-08	3.10E-08	1.12E-07	1.29E-08	4.86E-09	1.78E-08	7.63E-09	3.48E-09	1.11E-08	6.32E-09	2.11E-09	8.43E-09
1409	564273.93	4191593.43	2.63E-07	1.01E-07	3.64E-07	4.22E-08	1.58E-08	5.80E-08	2.49E-08	1.13E-08	3.62E-08	2.06E-08	6.87E-09	2.75E-08
1410	564283.78	4191594.94	2.59E-07	9.98E-08	3.59E-07	4.16E-08	1.56E-08	5.73E-08	2.46E-08	1.12E-08	3.58E-08	2.04E-08	6.78E-09	2.71E-08
1411	564293.63	4191596.46	2.56E-07	9.83E-08	3.54E-07	4.10E-08	1.54E-08	5.64E-08	2.42E-08	1.10E-08	3.52E-08	2.01E-08	6.68E-09	2.67E-08
1412	564303.49	4191597.97	2.52E-07	9.70E-08	3.49E-07	4.04E-08	1.52E-08	5.56E-08	2.39E-08	1.09E-08	3.47E-08	1.98E-08	6.59E-09	2.64E-08
1413	564264.16	4191598.27	2.53E-07	9.75E-08	3.51E-07	4.07E-08	1.53E-08	5.59E-08	2.40E-08	1.09E-08	3.49E-08	1.99E-08	6.62E-09	2.65E-08
1414	564255.92	4191593.22	2.62E-07	1.01E-07	3.63E-07	4.21E-08	1.58E-08	5.79E-08	2.48E-08	1.13E-08	3.62E-08	2.06E-08	6.86E-09	2.75E-08
1415	564247.68	4191588.17	2.71E-07	1.04E-07	3.76E-07	4.35E-08	1.63E-08	5.99E-08	2.57E-08	1.17E-08	3.74E-08	2.13E-08	7.09E-09	2.84E-08
1416	564239.43	4191583.12	2.79E-07	1.07E-07	3.87E-07	4.48E-08	1.68E-08	6.16E-08	2.64E-08	1.21E-08	3.85E-08	2.19E-08	7.30E-09	2.92E-08

1417	564231.19	4191578.08	2.86E-07	1.10E-07	3.96E-07	4.59E-08	1.73E-08	6.32E-08	2.71E-08	1.24E-08	3.94E-08	2.25E-08	7.48E-09	2.99E-08
1418	564222.95	4191573.03	2.92E-07	1.12E-07	4.04E-07	4.68E-08	1.76E-08	6.44E-08	2.76E-08	1.26E-08	4.02E-08	2.29E-08	7.63E-09	3.05E-08
1419	564214.7	4191567.98	2.96E-07	1.14E-07	4.10E-07	4.75E-08	1.78E-08	6.54E-08	2.80E-08	1.28E-08	4.08E-08	2.32E-08	7.74E-09	3.10E-08
1420	564206.46	4191562.93	2.99E-07	1.15E-07	4.13E-07	4.79E-08	1.80E-08	6.59E-08	2.83E-08	1.29E-08	4.11E-08	2.34E-08	7.80E-09	3.12E-08
1421	564198.22	4191557.89	2.99E-07	1.15E-07	4.14E-07	4.80E-08	1.80E-08	6.60E-08	2.83E-08	1.29E-08	4.12E-08	2.35E-08	7.81E-09	3.13E-08
1422	564189.97	4191552.84	2.97E-07	1.14E-07	4.12E-07	4.77E-08	1.79E-08	6.57E-08	2.82E-08	1.28E-08	4.10E-08	2.33E-08	7.78E-09	3.11E-08
1423	564181.73	4191547.79	2.94E-07	1.13E-07	4.07E-07	4.72E-08	1.77E-08	6.49E-08	2.78E-08	1.27E-08	4.05E-08	2.31E-08	7.68E-09	3.07E-08
1424	564148.75	4191527.6	2.61E-07	1.00E-07	3.61E-07	4.18E-08	1.57E-08	5.76E-08	2.47E-08	1.13E-08	3.59E-08	2.05E-08	6.82E-09	2.73E-08
1425	564140.51	4191522.56	2.49E-07	9.58E-08	3.45E-07	3.99E-08	1.50E-08	5.50E-08	2.36E-08	1.07E-08	3.43E-08	1.95E-08	6.51E-09	2.60E-08
1426	564132.27	4191517.51	2.36E-07	9.09E-08	3.27E-07	3.79E-08	1.42E-08	5.22E-08	2.24E-08	1.02E-08	3.26E-08	1.85E-08	6.18E-09	2.47E-08
1427	564124.02	4191512.46	2.23E-07	8.59E-08	3.09E-07	3.58E-08	1.35E-08	4.93E-08	2.11E-08	9.64E-09	3.08E-08	1.75E-08	5.83E-09	2.33E-08
1428	564115.78	4191507.41	2.10E-07	8.09E-08	2.91E-07	3.37E-08	1.27E-08	4.64E-08	1.99E-08	9.07E-09	2.90E-08	1.65E-08	5.49E-09	2.20E-08
1429	564105.36	4191492.95	1.94E-07	7.45E-08	2.68E-07	3.11E-08	1.17E-08	4.27E-08	1.83E-08	8.36E-09	2.67E-08	1.52E-08	5.06E-09	2.02E-08
1430	564103.18	4191483.53	1.89E-07	7.28E-08	2.62E-07	3.03E-08	1.14E-08	4.17E-08	1.79E-08	8.16E-09	2.61E-08	1.48E-08	4.94E-09	1.98E-08
1431	564101	4191474.12	1.84E-07	7.08E-08	2.55E-07	2.95E-08	1.11E-08	4.06E-08	1.74E-08	7.95E-09	2.54E-08	1.44E-08	4.81E-09	1.93E-08
1432	564098.82	4191464.7	1.79E-07	6.87E-08	2.47E-07	2.86E-08	1.08E-08	3.94E-08	1.69E-08	7.71E-09	2.46E-08	1.40E-08	4.67E-09	1.87E-08
1433	564096.64	4191455.28	1.73E-07	6.64E-08	2.39E-07	2.77E-08	1.04E-08	3.81E-08	1.63E-08	7.45E-09	2.38E-08	1.35E-08	4.51E-09	1.81E-08
1434	564094.46	4191445.86	1.66E-07	6.39E-08	2.30E-07	2.67E-08	1.00E-08	3.67E-08	1.57E-08	7.17E-09	2.29E-08	1.30E-08	4.34E-09	1.74E-08
1435	564092.28	4191436.45	1.59E-07	6.13E-08	2.20E-07	2.55E-08	9.60E-09	3.51E-08	1.51E-08	6.87E-09	2.19E-08	1.25E-08	4.16E-09	1.66E-08
1436	564090.1	4191427.03	1.52E-07	5.83E-08	2.10E-07	2.43E-08	9.14E-09	3.35E-08	1.43E-08	6.54E-09	2.09E-08	1.19E-08	3.96E-09	1.59E-08
1437	564087.92	4191417.61	1.44E-07	5.52E-08	1.99E-07	2.30E-08	8.65E-09	3.17E-08	1.36E-08	6.20E-09	1.98E-08	1.13E-08	3.75E-09	1.50E-08
1438	564085.74	4191408.2	1.35E-07	5.21E-08	1.87E-07	2.17E-08	8.16E-09	2.99E-08	1.28E-08	5.84E-09	1.86E-08	1.06E-08	3.54E-09	1.42E-08
1439	564083.56	4191398.78	1.27E-07	4.89E-08	1.76E-07	2.04E-08	7.66E-09	2.81E-08	1.20E-08	5.49E-09	1.75E-08	9.97E-09	3.32E-09	1.33E-08
1440	564081.38	4191389.36	1.19E-07	4.58E-08	1.65E-07	1.91E-08	7.18E-09	2.63E-08	1.13E-08	5.14E-09	1.64E-08	9.34E-09	3.11E-09	1.25E-08
1441	564079.2	4191379.94	1.11E-07	4.28E-08	1.54E-07	1.78E-08	6.70E-09	2.45E-08	1.05E-08	4.80E-09	1.53E-08	8.72E-09	2.91E-09	1.16E-08
1442	564077.02	4191370.53	1.04E-07	3.98E-08	1.43E-07	1.66E-08	6.24E-09	2.29E-08	9.80E-09	4.47E-09	1.43E-08	8.12E-09	2.71E-09	1.08E-08
1443	564074.84	4191361.11	9.64E-08	3.71E-08	1.33E-07	1.55E-08	5.81E-09	2.13E-08	9.12E-09	4.16E-09	1.33E-08	7.56E-09	2.52E-09	1.01E-08
1444	564072.66	4191351.69	8.98E-08	3.46E-08	1.24E-07	1.44E-08	5.41E-09	1.98E-08	8.50E-09	3.88E-09	1.24E-08	7.05E-09	2.35E-09	9.39E-09
1445	564070.48	4191342.27	8.40E-08	3.23E-08	1.16E-07	1.35E-08	5.06E-09	1.85E-08	7.95E-09	3.63E-09	1.16E-08	6.59E-09	2.20E-09	8.79E-09
1446	564068.3	4191332.86	7.90E-08	3.04E-08	1.09E-07	1.27E-08	4.76E-09	1.74E-08	7.48E-09	3.41E-09	1.09E-08	6.20E-09	2.06E-09	8.26E-09
1447	564066.12	4191323.44	7.47E-08	2.87E-08	1.03E-07	1.20E-08	4.50E-09	1.65E-08	7.07E-09	3.22E-09	1.03E-08	5.86E-09	1.95E-09	7.81E-09
1448	564272.41	4191603.31	2.44E-07	9.40E-08	3.38E-07	3.92E-08	1.47E-08	5.39E-08	2.31E-08	1.05E-08	3.37E-08	1.92E-08	6.38E-09	2.55E-08
1449	564282.26	4191604.83	2.41E-07	9.28E-08	3.34E-07	3.87E-08	1.45E-08	5.32E-08	2.28E-08	1.04E-08	3.32E-08	1.89E-08	6.30E-09	2.52E-08
1450	564292.12	4191606.34	2.38E-07	9.14E-08	3.29E-07	3.81E-08	1.43E-08	5.25E-08	2.25E-08	1.03E-08	3.28E-08	1.86E-08	6.21E-09	2.49E-08
1451	564301.97	4191607.85	2.34E-07	9.02E-08	3.25E-07	3.76E-08	1.41E-08	5.17E-08	2.22E-08	1.01E-08	3.23E-08	1.84E-08	6.12E-09	2.45E-08
1452	564262.73	4191608.2	2.36E-07	9.08E-08	3.27E-07	3.78E-08	1.42E-08	5.21E-08	2.23E-08	1.02E-08	3.25E-08	1.85E-08	6.17E-09	2.47E-08
1453	564254.56	4191603.2	2.44E-07	9.39E-08	3.38E-07	3.92E-08	1.47E-08	5.39E-08	2.31E-08	1.05E-08	3.36E-08	1.91E-08	6.38E-09	2.55E-08
1454	564246.39	4191598.2	2.52E-07	9.70E-08	3.49E-07	4.04E-08	1.52E-08	5.56E-08	2.39E-08	1.09E-08	3.47E-08	1.98E-08	6.59E-09	2.64E-08
1455	564238.23	4191593.2	2.59E-07	9.98E-08	3.59E-07	4.16E-08	1.56E-08	5.73E-08	2.46E-08	1.12E-08	3.58E-08	2.04E-08	6.78E-09	2.71E-08
1456	564230.06	4191588.2	2.66E-07	1.02E-07	3.68E-07	4.27E-08	1.60E-08	5.87E-08	2.52E-08	1.15E-08	3.67E-08	2.09E-08	6.95E-09	2.78E-08
1457	564221.9	4191583.2	2.71E-07	1.04E-07	3.76E-07	4.36E-08	1.64E-08	5.99E-08	2.57E-08	1.17E-08	3.74E-08	2.13E-08	7.10E-09	2.84E-08
1458	564213.73	4191578.2	2.76E-07	1.06E-07	3.82E-07	4.43E-08	1.66E-08	6.09E-08	2.61E-08	1.19E-08	3.80E-08	2.16E-08	7.21E-09	2.89E-08
1459	564205.57	4191573.2	2.79E-07	1.07E-07	3.86E-07	4.47E-08	1.68E-08	6.15E-08	2.64E-08	1.20E-08	3.84E-08	2.19E-08	7.29E-09	2.92E-08
1460	564197.4	4191568.2	2.80E-07	1.08E-07	3.88E-07	4.49E-08	1.69E-08	6.18E-08	2.65E-08	1.21E-08	3.86E-08	2.20E-08	7.32E-09	2.93E-08
1461	564189.24	4191563.2	2.80E-07	1.08E-07	3.87E-07	4.49E-08	1.69E-08	6.18E-08	2.65E-08	1.21E-08	3.86E-08	2.19E-08	7.31E-09	2.93E-08
1462	564181.07	4191558.21	2.78E-07	1.07E-07	3.84E-07	4.45E-08	1.67E-08	6.13E-08	2.63E-08	1.20E-08	3.83E-08	2.18E-08	7.26E-09	2.90E-08
1463	564123.92	4191523.21	2.20E-07	8.46E-08	3.05E-07	3.53E-08	1.33E-08	4.85E-08	2.08E-08	9.49E-09	3.03E-08	1.73E-08	5.75E-09	2.30E-08
1464	564115.75	4191518.21	2.08E-07	8.01E-08	2.88E-07	3.34E-08	1.25E-08	4.59E-08	1.97E-08	8.99E-09	2.87E-08	1.63E-08	5.44E-09	2.18E-08
1465	564107.59	4191513.21	1.96E-07	7.56E-08	2.72E-07	3.15E-08	1.18E-08	4.34E-08	1.86E-08	8.48E-09	2.71E-08	1.54E-08	5.13E-09	2.05E-08
1466	564097.26	4191498.89	1.82E-07	6.99E-08	2.51E-07	2.91E-08	1.09E-08	4.01E-08	1.72E-08	7.84E-09	2.50E-08	1.42E-08	4.74E-09	1.90E-08
1467	564095.1	4191489.56	1.78E-07	6.84E-08	2.46E-07	2.85E-08	1.07E-08	3.92E-08	1.68E-08	7.67E-09	2.45E-08	1.39E-08	4.64E-09	1.86E-08
1468	564092.95	4191480.23	1.73E-07	6.67E-08	2.40E-07	2.78E-08	1.04E-08	3.82E-08	1.64E-08	7.48E-09	2.39E-08	1.36E-08	4.53E-09	1.81E-08
1469	564090.79	4191470.9	1.68E-07	6.48E-08	2.33E-07	2.70E-08	1.01E-08	3.72E-08	1.59E-08	7.27E-09	2.32E-08	1.32E-08	4.40E-09	1.76E-08
1470	564088.63	4191461.58	1.63E-07	6.28E-08	2.26E-07	2.62E-08	9.83E-09	3.60E-08	1.54E-08	7.04E-09	2.25E-08	1.28E-08	4.26E-09	1.71E-08
1471	564086.47	4191452.25	1.57E-07	6.06E-08	2.18E-07	2.53E-08	9.49E-09	3.47E-08	1.49E-08	6.80E-09	2.17E-08	1.24E-08	4.11E-09	1.65E-08
1472	564084.31	4191442.92	1.51E-07	5.82E-08	2.10E-07	2.43E-08	9.12E-09	3.34E-08	1.43E-08	6.53E-09	2.09E-08	1.19E-08	3.96E-09	1.58E-08
1473	564082.15	4191433.59	1.45E-07	5.57E-08	2.00E-07	2.32E-08	8.72E-09	3.19E-08	1.37E-08	6.25E-09	1.99E-08	1.14E-08	3.78E-09	1.51E-08
1474	564079.99	4191424.27	1.38E-07	5.30E-08	1.91E-07	2.21E-08	8.30E-09	3.04E-08	1.30E-08	5.94E-09	1.90E-08	1.08E-08	3.60E-09	1.44E-08
1475	564077.83	4191414.94	1.30E-07	5.01E-08	1.80E-07	2.09E-08	7.85E-09	2.88E-08	1.23E-08	5.62E-09	1.80E-08	1.02E-08	3.41E-09	1.36E-08
1476	564075.68	4191405.61	1.23E-07	4.73E-08	1.70E-07	1.97E-08	7.41E-09	2.71E-08	1.16E-08	5.30E-09	1.69E-08	9.64E-09	3.21E-09	1.29E-08
1477	564073.52	4191396.28	1.16E-07	4.45E-08	1.60E-07	1.85E-08	6.97E-09	2.55E-08	1.09E-08	4.99E-09	1.59E-08	9.07E-09	3.02E-09	1.21E-08
1478	564071.36	4191386.96	1.08E-07	4.17E-08	1.50E-07	1.74E-08	6.53E-09	2.39E-08	1.03E-08	4.68E-09	1.49E-08	8.50E-09	2.83E-09	1.13E-08
1479	564069.2	4191377.63	1.01E-07	3.90E-08	1.40E-07	1.62E-08	6.10E-09	2.23E-08	9.59E-09	4.37E-09	1.40E-08	7.94E-09	2.65E-09	1.06E-08
1480	564067.04	4191368.3	9.45E-08	3.64E-08	1.31E-07	1.52E-08	5.70E-09	2.09E-08	8.95E-09	4.08E-09	1.30E-08	7.42E-09	2.47E-09	9.89E-09
1481	564064.88	4191358.97	8.83E-08	3.40E-08	1.22E-07	1.42E-08	5.32E-09	1.95E-08	8.36E-09	3.81E-09	1.22E-08	6.93E-09	2.31E-09	9.24E-09
1482	564062.72	4191349.65	8.26E-08	3.18E-08	1.14E-07	1.33E-08	4.98E-09	1.82E-08	7.82E-09	3.57E-09	1.14E-08	6.48E-09	2.16E-09	8.64E-09
1483	564060.56	4191340.32	7.76E-08	2.99E-08	1.07E-07	1.25E-08	4.68E-09	1.71E-08	7.35E-09	3.35E-09	1.07E-08	6.09E-09	2.03E-09	8.12E-09
1484	564058.41	4191330.99	7.32E-08	2.82E-08	1.01E-07	1.17E-08	4.41E-09	1.62E-08	6.93E-09	3.16E-09	1.01E-08	5.74E-09	1.91E-09	7.66E-09
1485	564056.25	4191321.66	6.94E-08	2.67E-08	9.61E-08	1.11E-08	4.18E-09	1.53E-08	6.57E-09	3.00E-09	9.57E-09	5.44E-09	1.81E-09	7.26E-09
1486	564270.89	4191613.2	2.28E-07	8.76E-08	3.15E-07	3.65E-08	1.37E-08	5.02E-08	2.15E-08	9.83E-09	3.14E-08	1.79E-08	5.95E-09	2.38E-08
1487	564280.74	4191614.71	2.25E-07	8.65E-08	3.11E-07	3.61E-08	1.35E-08	4.96E-08	2.13E-08	9.70E-09	3.10E-08	1.76E-08	5.87E-09	2.35E-08

1488	564290.6	4191616.22	2.22E-07	8.53E-08	3.07E-07	3.56E-08	1.34E-08	4.89E-08	2.10E-08	9.57E-09	3.05E-08	1.74E-08	5.79E-09	2.32E-08
1489	564300.45	4191617.74	2.19E-07	8.41E-08	3.03E-07	3.51E-08	1.32E-08	4.82E-08	2.07E-08	9.43E-09	3.01E-08	1.71E-08	5.71E-09	2.29E-08
1490	564260.89	4191617.89	2.21E-07	8.48E-08	3.05E-07	3.54E-08	1.33E-08	4.87E-08	2.09E-08	9.52E-09	3.04E-08	1.73E-08	5.76E-09	2.31E-08
1491	564252.41	4191612.7	2.28E-07	8.78E-08	3.16E-07	3.66E-08	1.38E-08	5.04E-08	2.16E-08	9.85E-09	3.15E-08	1.79E-08	5.97E-09	2.39E-08
1492	564243.93	4191607.51	2.36E-07	9.07E-08	3.27E-07	3.78E-08	1.42E-08	5.20E-08	2.23E-08	1.02E-08	3.25E-08	1.85E-08	6.16E-09	2.47E-08
1493	564235.46	4191602.31	2.43E-07	9.35E-08	3.36E-07	3.90E-08	1.46E-08	5.36E-08	2.30E-08	1.05E-08	3.35E-08	1.91E-08	6.35E-09	2.54E-08
1494	564226.98	4191597.12	2.49E-07	9.58E-08	3.45E-07	4.00E-08	1.50E-08	5.50E-08	2.36E-08	1.08E-08	3.43E-08	1.95E-08	6.51E-09	2.61E-08
1495	564218.5	4191591.93	2.54E-07	9.79E-08	3.52E-07	4.08E-08	1.53E-08	5.62E-08	2.41E-08	1.10E-08	3.51E-08	2.00E-08	6.65E-09	2.66E-08
1496	564210.02	4191586.74	2.59E-07	9.95E-08	3.58E-07	4.15E-08	1.56E-08	5.71E-08	2.45E-08	1.12E-08	3.57E-08	2.03E-08	6.76E-09	2.71E-08
1497	564201.54	4191581.55	2.62E-07	1.01E-07	3.62E-07	4.20E-08	1.58E-08	5.77E-08	2.48E-08	1.13E-08	3.61E-08	2.05E-08	6.84E-09	2.74E-08
1498	564193.06	4191576.36	2.63E-07	1.01E-07	3.64E-07	4.22E-08	1.59E-08	5.81E-08	2.49E-08	1.14E-08	3.63E-08	2.06E-08	6.88E-09	2.75E-08
1499	564184.58	4191571.17	2.63E-07	1.01E-07	3.64E-07	4.22E-08	1.58E-08	5.80E-08	2.49E-08	1.13E-08	3.62E-08	2.06E-08	6.87E-09	2.75E-08
1500	564176.1	4191565.97	2.61E-07	1.00E-07	3.61E-07	4.19E-08	1.57E-08	5.76E-08	2.47E-08	1.13E-08	3.60E-08	2.05E-08	6.82E-09	2.73E-08
1501	564150.66	4191550.4	2.45E-07	9.43E-08	3.39E-07	3.93E-08	1.48E-08	5.41E-08	2.32E-08	1.06E-08	3.38E-08	1.92E-08	6.41E-09	2.56E-08
1502	564099.79	4191519.25	1.85E-07	7.11E-08	2.56E-07	2.96E-08	1.11E-08	4.08E-08	1.75E-08	7.97E-09	2.55E-08	1.45E-08	4.83E-09	1.93E-08
1503	564089.07	4191504.37	1.71E-07	6.56E-08	2.36E-07	2.74E-08	1.03E-08	3.76E-08	1.61E-08	7.36E-09	2.35E-08	1.34E-08	4.46E-09	1.78E-08
1504	564086.83	4191494.69	1.67E-07	6.42E-08	2.31E-07	2.68E-08	1.01E-08	3.68E-08	1.58E-08	7.20E-09	2.30E-08	1.31E-08	4.36E-09	1.74E-08
1505	564084.58	4191485	1.63E-07	6.26E-08	2.25E-07	2.61E-08	9.81E-09	3.59E-08	1.54E-08	7.02E-09	2.24E-08	1.28E-08	4.25E-09	1.70E-08
1506	564082.34	4191475.31	1.58E-07	6.08E-08	2.19E-07	2.54E-08	9.53E-09	3.49E-08	1.50E-08	6.83E-09	2.18E-08	1.24E-08	4.13E-09	1.65E-08
1507	564080.1	4191465.63	1.53E-07	5.89E-08	2.12E-07	2.46E-08	9.23E-09	3.38E-08	1.45E-08	6.61E-09	2.11E-08	1.20E-08	4.00E-09	1.60E-08
1508	564077.86	4191455.94	1.48E-07	5.68E-08	2.05E-07	2.37E-08	8.90E-09	3.26E-08	1.40E-08	6.38E-09	2.04E-08	1.16E-08	3.86E-09	1.54E-08
1509	564075.62	4191446.26	1.42E-07	5.46E-08	1.97E-07	2.28E-08	8.55E-09	3.13E-08	1.34E-08	6.13E-09	1.96E-08	1.11E-08	3.71E-09	1.48E-08
1510	564073.37	4191436.57	1.36E-07	5.22E-08	1.88E-07	2.18E-08	8.18E-09	3.00E-08	1.28E-08	5.86E-09	1.87E-08	1.06E-08	3.55E-09	1.42E-08
1511	564071.13	4191426.88	1.29E-07	4.97E-08	1.79E-07	2.07E-08	7.78E-09	2.85E-08	1.22E-08	5.57E-09	1.78E-08	1.01E-08	3.37E-09	1.35E-08
1512	564068.89	4191417.2	1.22E-07	4.70E-08	1.69E-07	1.96E-08	7.37E-09	2.70E-08	1.16E-08	5.28E-09	1.68E-08	9.59E-09	3.19E-09	1.28E-08
1513	564066.65	4191407.51	1.15E-07	4.44E-08	1.60E-07	1.85E-08	6.95E-09	2.54E-08	1.09E-08	4.98E-09	1.59E-08	9.04E-09	3.01E-09	1.21E-08
1514	564064.41	4191397.82	1.08E-07	4.17E-08	1.50E-07	1.74E-08	6.53E-09	2.39E-08	1.03E-08	4.67E-09	1.49E-08	8.50E-09	2.83E-09	1.13E-08
1515	564062.17	4191388.14	1.01E-07	3.90E-08	1.40E-07	1.63E-08	6.11E-09	2.24E-08	9.60E-09	4.38E-09	1.40E-08	7.95E-09	2.65E-09	1.06E-08
1516	564059.92	4191378.45	9.46E-08	3.64E-08	1.31E-07	1.52E-08	5.70E-09	2.09E-08	8.96E-09	4.08E-09	1.30E-08	7.42E-09	2.47E-09	9.90E-09
1517	564057.68	4191368.77	8.83E-08	3.40E-08	1.22E-07	1.42E-08	5.32E-09	1.95E-08	8.36E-09	3.81E-09	1.22E-08	6.93E-09	2.31E-09	9.24E-09
1518	564055.44	4191359.08	8.25E-08	3.18E-08	1.14E-07	1.32E-08	4.97E-09	1.82E-08	7.81E-09	3.56E-09	1.14E-08	6.47E-09	2.16E-09	8.63E-09
1519	564053.2	4191349.39	7.72E-08	2.97E-08	1.07E-07	1.24E-08	4.66E-09	1.70E-08	7.31E-09	3.33E-09	1.06E-08	6.06E-09	2.02E-09	8.08E-09
1520	564050.96	4191339.71	7.25E-08	2.79E-08	1.00E-07	1.16E-08	4.37E-09	1.60E-08	6.86E-09	3.13E-09	9.99E-09	5.69E-09	1.89E-09	7.58E-09
1521	564048.72	4191330.02	6.83E-08	2.63E-08	9.46E-08	1.10E-08	4.12E-09	1.51E-08	6.47E-09	2.95E-09	9.41E-09	5.36E-09	1.79E-09	7.14E-09
1522	564046.47	4191320.33	6.47E-08	2.49E-08	8.96E-08	1.04E-08	3.90E-09	1.43E-08	6.13E-09	2.79E-09	8.92E-09	5.08E-09	1.69E-09	6.77E-09
1523	564269.37	4191623.08	2.13E-07	8.18E-08	2.95E-07	3.41E-08	1.28E-08	4.69E-08	2.01E-08	9.18E-09	2.93E-08	1.67E-08	5.56E-09	2.22E-08
1524	564279.23	4191624.59	2.10E-07	8.08E-08	2.91E-07	3.37E-08	1.27E-08	4.64E-08	1.99E-08	9.07E-09	2.89E-08	1.65E-08	5.49E-09	2.20E-08
1525	564289.08	4191626.11	2.07E-07	7.97E-08	2.87E-07	3.32E-08	1.25E-08	4.57E-08	1.96E-08	8.94E-09	2.85E-08	1.63E-08	5.41E-09	2.17E-08
1526	564298.93	4191627.62	2.04E-07	7.86E-08	2.83E-07	3.28E-08	1.23E-08	4.51E-08	1.93E-08	8.82E-09	2.82E-08	1.60E-08	5.34E-09	2.14E-08
1527	564259.46	4191627.83	2.06E-07	7.93E-08	2.86E-07	3.31E-08	1.24E-08	4.55E-08	1.95E-08	8.90E-09	2.84E-08	1.62E-08	5.39E-09	2.16E-08
1528	564251.07	4191622.69	2.13E-07	8.20E-08	2.95E-07	3.42E-08	1.29E-08	4.71E-08	2.02E-08	9.20E-09	2.94E-08	1.67E-08	5.57E-09	2.23E-08
1529	564242.67	4191617.55	2.20E-07	8.47E-08	3.05E-07	3.53E-08	1.33E-08	4.86E-08	2.08E-08	9.50E-09	3.03E-08	1.73E-08	5.75E-09	2.30E-08
1530	564234.28	4191612.41	2.27E-07	8.72E-08	3.14E-07	3.64E-08	1.37E-08	5.00E-08	2.15E-08	9.79E-09	3.12E-08	1.78E-08	5.93E-09	2.37E-08
1531	564225.89	4191607.27	2.33E-07	8.95E-08	3.22E-07	3.73E-08	1.40E-08	5.13E-08	2.20E-08	1.00E-08	3.20E-08	1.82E-08	6.08E-09	2.43E-08
1532	564217.49	4191602.13	2.38E-07	9.14E-08	3.29E-07	3.81E-08	1.43E-08	5.24E-08	2.25E-08	1.03E-08	3.28E-08	1.86E-08	6.21E-09	2.49E-08
1533	564209.1	4191596.99	2.42E-07	9.31E-08	3.35E-07	3.88E-08	1.46E-08	5.34E-08	2.29E-08	1.04E-08	3.33E-08	1.90E-08	6.32E-09	2.53E-08
1534	564200.71	4191591.85	2.45E-07	9.43E-08	3.39E-07	3.93E-08	1.48E-08	5.41E-08	2.32E-08	1.06E-08	3.38E-08	1.92E-08	6.41E-09	2.56E-08
1535	564192.31	4191586.71	2.47E-07	9.51E-08	3.42E-07	3.96E-08	1.49E-08	5.45E-08	2.34E-08	1.07E-08	3.41E-08	1.94E-08	6.46E-09	2.58E-08
1536	564183.92	4191581.57	2.48E-07	9.53E-08	3.43E-07	3.97E-08	1.49E-08	5.47E-08	2.34E-08	1.07E-08	3.41E-08	1.94E-08	6.47E-09	2.59E-08
1537	564175.52	4191576.44	2.47E-07	9.49E-08	3.42E-07	3.96E-08	1.49E-08	5.45E-08	2.34E-08	1.06E-08	3.40E-08	1.94E-08	6.45E-09	2.58E-08
1538	564150.34	4191561.02	2.35E-07	9.05E-08	3.26E-07	3.77E-08	1.42E-08	5.19E-08	2.23E-08	1.02E-08	3.24E-08	1.85E-08	6.15E-09	2.46E-08
1539	564141.95	4191555.88	2.29E-07	8.80E-08	3.17E-07	3.67E-08	1.38E-08	5.05E-08	2.16E-08	9.87E-09	3.15E-08	1.79E-08	5.98E-09	2.39E-08
1540	564133.56	4191550.74	2.21E-07	8.50E-08	3.06E-07	3.55E-08	1.33E-08	4.88E-08	2.09E-08	9.54E-09	3.05E-08	1.73E-08	5.78E-09	2.31E-08
1541	564125.16	4191545.6	2.12E-07	8.17E-08	2.94E-07	3.41E-08	1.28E-08	4.69E-08	2.01E-08	9.17E-09	2.93E-08	1.67E-08	5.55E-09	2.22E-08
1542	564080.98	4191510.32	1.61E-07	6.19E-08	2.23E-07	2.58E-08	9.69E-09	3.55E-08	1.52E-08	6.94E-09	2.22E-08	1.26E-08	4.20E-09	1.68E-08
1543	564078.76	4191500.73	1.57E-07	6.06E-08	2.18E-07	2.53E-08	9.49E-09	3.47E-08	1.49E-08	6.79E-09	2.17E-08	1.23E-08	4.11E-09	1.65E-08
1544	564076.54	4191491.14	1.54E-07	5.91E-08	2.13E-07	2.47E-08	9.26E-09	3.39E-08	1.45E-08	6.63E-09	2.12E-08	1.21E-08	4.02E-09	1.61E-08
1545	564074.32	4191481.55	1.50E-07	5.76E-08	2.07E-07	2.40E-08	9.02E-09	3.30E-08	1.42E-08	6.46E-09	2.06E-08	1.17E-08	3.91E-09	1.56E-08
1546	564072.1	4191471.96	1.45E-07	5.58E-08	2.01E-07	2.33E-08	8.75E-09	3.20E-08	1.37E-08	6.26E-09	2.00E-08	1.14E-08	3.79E-09	1.52E-08
1547	564069.88	4191462.38	1.40E-07	5.40E-08	1.94E-07	2.25E-08	8.45E-09	3.10E-08	1.33E-08	6.05E-09	1.93E-08	1.10E-08	3.67E-09	1.47E-08
1548	564067.66	4191452.79	1.35E-07	5.20E-08	1.87E-07	2.17E-08	8.14E-09	2.98E-08	1.28E-08	5.83E-09	1.86E-08	1.06E-08	3.53E-09	1.41E-08
1549	564065.44	4191443.2	1.30E-07	4.99E-08	1.80E-07	2.08E-08	7.82E-09	2.86E-08	1.23E-08	5.60E-09	1.79E-08	1.02E-08	3.39E-09	1.36E-08
1550	564063.22	4191433.61	1.24E-07	4.77E-08	1.72E-07	1.99E-08	7.47E-09	2.73E-08	1.17E-08	5.35E-09	1.71E-08	9.72E-09	3.24E-09	1.30E-08
1551	564061	4191424.02	1.18E-07	4.53E-08	1.63E-07	1.89E-08	7.10E-09	2.60E-08	1.12E-08	5.09E-09	1.62E-08	9.24E-09	3.08E-09	1.23E-08
1552	564058.79	4191414.43	1.12E-07	4.30E-08	1.55E-07	1.79E-08	6.73E-09	2.46E-08	1.06E-08	4.82E-09	1.54E-08	8.76E-09	2.92E-09	1.17E-08
1553	564056.57	4191404.84	1.05E-07	4.06E-08	1.46E-07	1.69E-08	6.35E-09	2.33E-08	9.98E-09	4.55E-09	1.45E-08	8.27E-09	2.75E-09	1.10E-08
1554	564054.35	4191395.26	9.90E-08	3.81E-08	1.37E-07	1.59E-08	5.97E-09	2.19E-08	9.37E-09	4.27E-09	1.36E-08	7.77E-09	2.59E-09	1.04E-08
1555	564052.13	4191385.67	9.28E-08	3.57E-08	1.28E-07	1.49E-08	5.59E-09	2.05E-08	8.78E-09	4.00E-09	1.28E-08	7.28E-09	2.42E-09	9.70E-09
1556	564049.91	4191376.08	8.68E-08	3.34E-08	1.20E-07	1.39E-08	5.23E-09	1.91E-08	8.21E-09	3.75E-09	1.20E-08	6.81E-09	2.27E-09	9.07E-09
1557	564047.69	4191366.49	8.12E-08	3.13E-08	1.13E-07	1.30E-08	4.90E-09	1.79E-08	7.69E-09	3.51E-09	1.12E-08	6.37E-09	2.12E-09	8.50E-09
1558	564045.47	4191356.9	7.61E-08	2.93E-08	1.05E-07	1.22E-08	4.59E-09	1.68E-08	7.20E-09	3.29E-09	1.05E-08	5.97E-09	1.99E-09	7.96E-09

1559	564043.25	4191347.31	7.14E-08	2.75E-08	9.88E-08	1.14E-08	4.30E-09	1.58E-08	6.76E-09	3.08E-09	9.84E-09	5.60E-09	1.87E-09	7.46E-09
1560	564041.03	4191337.73	6.72E-08	2.59E-08	9.30E-08	1.08E-08	4.05E-09	1.48E-08	6.36E-09	2.90E-09	9.26E-09	5.27E-09	1.76E-09	7.03E-09
1561	564038.81	4191328.14	6.35E-08	2.44E-08	8.79E-08	1.02E-08	3.83E-09	1.40E-08	6.01E-09	2.74E-09	8.75E-09	4.98E-09	1.66E-09	6.64E-09
1562	564036.59	4191318.55	6.03E-08	2.32E-08	8.35E-08	9.68E-09	3.64E-09	1.33E-08	5.71E-09	2.60E-09	8.31E-09	4.73E-09	1.58E-09	6.31E-09
1563	564267.85	4191632.96	1.99E-07	7.67E-08	2.76E-07	3.20E-08	1.20E-08	4.40E-08	1.89E-08	8.60E-09	2.75E-08	1.56E-08	5.21E-09	2.08E-08
1564	564277.71	4191634.48	1.97E-07	7.57E-08	2.72E-07	3.16E-08	1.19E-08	4.34E-08	1.86E-08	8.49E-09	2.71E-08	1.54E-08	5.14E-09	2.06E-08
1565	564287.56	4191635.99	1.94E-07	7.47E-08	2.69E-07	3.11E-08	1.17E-08	4.28E-08	1.84E-08	8.38E-09	2.68E-08	1.52E-08	5.07E-09	2.03E-08
1566	564297.41	4191637.5	1.91E-07	7.37E-08	2.65E-07	3.07E-08	1.15E-08	4.22E-08	1.81E-08	8.26E-09	2.64E-08	1.50E-08	5.00E-09	2.00E-08
1567	564258.02	4191637.76	1.93E-07	7.44E-08	2.68E-07	3.10E-08	1.16E-08	4.27E-08	1.83E-08	8.34E-09	2.66E-08	1.52E-08	5.05E-09	2.02E-08
1568	564249.71	4191632.67	2.00E-07	7.68E-08	2.76E-07	3.20E-08	1.20E-08	4.40E-08	1.89E-08	8.61E-09	2.75E-08	1.57E-08	5.22E-09	2.09E-08
1569	564241.39	4191627.58	2.06E-07	7.92E-08	2.85E-07	3.30E-08	1.24E-08	4.54E-08	1.95E-08	8.89E-09	2.84E-08	1.61E-08	5.38E-09	2.15E-08
1570	564233.07	4191622.48	2.12E-07	8.16E-08	2.94E-07	3.40E-08	1.28E-08	4.68E-08	2.01E-08	9.15E-09	2.92E-08	1.66E-08	5.54E-09	2.22E-08
1571	564224.76	4191617.39	2.18E-07	8.37E-08	3.01E-07	3.49E-08	1.31E-08	4.80E-08	2.06E-08	9.39E-09	3.00E-08	1.71E-08	5.68E-09	2.27E-08
1572	564216.44	4191612.3	2.22E-07	8.56E-08	3.08E-07	3.57E-08	1.34E-08	4.91E-08	2.11E-08	9.60E-09	3.07E-08	1.74E-08	5.81E-09	2.33E-08
1573	564208.13	4191607.21	2.27E-07	8.72E-08	3.14E-07	3.63E-08	1.37E-08	5.00E-08	2.14E-08	9.78E-09	3.12E-08	1.78E-08	5.92E-09	2.37E-08
1574	564199.81	4191602.12	2.30E-07	8.85E-08	3.18E-07	3.69E-08	1.39E-08	5.07E-08	2.18E-08	9.92E-09	3.17E-08	1.80E-08	6.01E-09	2.40E-08
1575	564191.5	4191597.03	2.32E-07	8.94E-08	3.22E-07	3.73E-08	1.40E-08	5.13E-08	2.20E-08	1.00E-08	3.20E-08	1.82E-08	6.07E-09	2.43E-08
1576	564183.18	4191591.94	2.33E-07	8.98E-08	3.23E-07	3.74E-08	1.41E-08	5.15E-08	2.21E-08	1.01E-08	3.22E-08	1.83E-08	6.10E-09	2.44E-08
1577	564174.87	4191586.85	2.33E-07	8.97E-08	3.23E-07	3.74E-08	1.41E-08	5.15E-08	2.21E-08	1.01E-08	3.21E-08	1.83E-08	6.10E-09	2.44E-08
1578	564149.92	4191571.57	2.25E-07	8.66E-08	3.12E-07	3.61E-08	1.36E-08	4.97E-08	2.13E-08	9.72E-09	3.10E-08	1.77E-08	5.88E-09	2.35E-08
1579	564141.61	4191566.48	2.20E-07	8.47E-08	3.05E-07	3.53E-08	1.33E-08	4.86E-08	2.08E-08	9.50E-09	3.03E-08	1.73E-08	5.75E-09	2.30E-08
1580	564133.29	4191561.39	2.14E-07	8.23E-08	2.96E-07	3.43E-08	1.29E-08	4.72E-08	2.02E-08	9.23E-09	2.95E-08	1.68E-08	5.59E-09	2.24E-08
1581	564124.97	4191556.3	2.07E-07	7.95E-08	2.86E-07	3.31E-08	1.25E-08	4.56E-08	1.96E-08	8.92E-09	2.85E-08	1.62E-08	5.40E-09	2.16E-08
1582	564116.66	4191551.21	1.99E-07	7.64E-08	2.75E-07	3.19E-08	1.20E-08	4.38E-08	1.88E-08	8.57E-09	2.74E-08	1.56E-08	5.19E-09	2.08E-08
1583	564108.34	4191546.12	1.90E-07	7.32E-08	2.63E-07	3.05E-08	1.15E-08	4.20E-08	1.80E-08	8.21E-09	2.62E-08	1.49E-08	4.97E-09	1.99E-08
1584	564100.03	4191541.03	1.81E-07	6.98E-08	2.51E-07	2.91E-08	1.09E-08	4.01E-08	1.72E-08	7.83E-09	2.50E-08	1.42E-08	4.74E-09	1.90E-08
1585	564091.71	4191535.93	1.73E-07	6.64E-08	2.39E-07	2.77E-08	1.04E-08	3.81E-08	1.63E-08	7.45E-09	2.38E-08	1.35E-08	4.51E-09	1.80E-08
1586	564072.88	4191516.25	1.52E-07	5.84E-08	2.10E-07	2.44E-08	9.16E-09	3.35E-08	1.44E-08	6.56E-09	2.09E-08	1.19E-08	3.97E-09	1.59E-08
1587	564070.69	4191506.75	1.49E-07	5.73E-08	2.06E-07	2.39E-08	8.98E-09	3.29E-08	1.41E-08	6.43E-09	2.05E-08	1.17E-08	3.89E-09	1.56E-08
1588	564068.49	4191497.25	1.46E-07	5.60E-08	2.02E-07	2.33E-08	8.77E-09	3.21E-08	1.38E-08	6.28E-09	2.01E-08	1.14E-08	3.80E-09	1.52E-08
1589	564066.29	4191487.76	1.42E-07	5.46E-08	1.96E-07	2.28E-08	8.55E-09	3.13E-08	1.34E-08	6.12E-09	1.95E-08	1.11E-08	3.71E-09	1.48E-08
1590	564064.09	4191478.26	1.38E-07	5.30E-08	1.91E-07	2.21E-08	8.30E-09	3.04E-08	1.30E-08	5.95E-09	1.90E-08	1.08E-08	3.60E-09	1.44E-08
1591	564061.89	4191468.76	1.33E-07	5.13E-08	1.85E-07	2.14E-08	8.04E-09	2.94E-08	1.26E-08	5.76E-09	1.84E-08	1.05E-08	3.48E-09	1.39E-08
1592	564059.69	4191459.26	1.29E-07	4.95E-08	1.78E-07	2.07E-08	7.76E-09	2.84E-08	1.22E-08	5.56E-09	1.77E-08	1.01E-08	3.36E-09	1.35E-08
1593	564057.5	4191449.76	1.24E-07	4.77E-08	1.72E-07	1.99E-08	7.47E-09	2.73E-08	1.17E-08	5.35E-09	1.71E-08	9.72E-09	3.24E-09	1.30E-08
1594	564055.3	4191440.26	1.19E-07	4.57E-08	1.64E-07	1.91E-08	7.16E-09	2.62E-08	1.12E-08	5.13E-09	1.64E-08	9.32E-09	3.10E-09	1.24E-08
1595	564053.1	4191430.76	1.13E-07	4.37E-08	1.57E-07	1.82E-08	6.84E-09	2.50E-08	1.07E-08	4.90E-09	1.56E-08	8.90E-09	2.97E-09	1.19E-08
1596	564050.9	4191421.26	1.08E-07	4.15E-08	1.49E-07	1.73E-08	6.51E-09	2.38E-08	1.02E-08	4.66E-09	1.49E-08	8.47E-09	2.82E-09	1.13E-08
1597	564048.7	4191411.76	1.02E-07	3.94E-08	1.42E-07	1.64E-08	6.17E-09	2.26E-08	9.68E-09	4.42E-09	1.41E-08	8.02E-09	2.67E-09	1.07E-08
1598	564046.5	4191402.26	9.65E-08	3.71E-08	1.34E-07	1.55E-08	5.82E-09	2.13E-08	9.14E-09	4.17E-09	1.33E-08	7.57E-09	2.52E-09	1.01E-08
1599	564044.3	4191392.77	9.08E-08	3.49E-08	1.26E-07	1.46E-08	5.47E-09	2.00E-08	8.60E-09	3.92E-09	1.25E-08	7.12E-09	2.37E-09	9.50E-09
1600	564042.11	4191383.27	8.53E-08	3.28E-08	1.18E-07	1.37E-08	5.14E-09	1.88E-08	8.07E-09	3.68E-09	1.18E-08	6.69E-09	2.23E-09	8.92E-09
1601	564039.91	4191373.77	8.00E-08	3.08E-08	1.11E-07	1.28E-08	4.82E-09	1.77E-08	7.57E-09	3.45E-09	1.10E-08	6.27E-09	2.09E-09	8.37E-09
1602	564037.71	4191364.27	7.50E-08	2.89E-08	1.04E-07	1.20E-08	4.52E-09	1.66E-08	7.10E-09	3.24E-09	1.03E-08	5.89E-09	1.96E-09	7.85E-09
1603	564035.51	4191354.77	7.04E-08	2.71E-08	9.75E-08	1.13E-08	4.24E-09	1.55E-08	6.66E-09	3.04E-09	9.70E-09	5.52E-09	1.84E-09	7.36E-09
1604	564033.31	4191345.27	6.62E-08	2.55E-08	9.16E-08	1.06E-08	3.99E-09	1.46E-08	6.26E-09	2.86E-09	9.12E-09	5.19E-09	1.73E-09	6.92E-09
1605	564031.11	4191335.77	6.25E-08	2.40E-08	8.65E-08	1.00E-08	3.76E-09	1.38E-08	5.91E-09	2.70E-09	8.61E-09	4.90E-09	1.63E-09	6.53E-09
1606	564028.92	4191326.27	5.92E-08	2.28E-08	8.20E-08	9.49E-09	3.57E-09	1.31E-08	5.60E-09	2.55E-09	8.16E-09	4.64E-09	1.55E-09	6.19E-09
1607	564026.72	4191316.77	5.64E-08	2.17E-08	7.81E-08	9.04E-09	3.40E-09	1.24E-08	5.34E-09	2.43E-09	7.77E-09	4.42E-09	1.47E-09	5.90E-09
1608	564266.34	4191642.85	1.87E-07	7.19E-08	2.59E-07	3.00E-08	1.13E-08	4.13E-08	1.77E-08	8.07E-09	2.58E-08	1.47E-08	4.89E-09	1.96E-08
1609	564276.19	4191644.36	1.85E-07	7.11E-08	2.56E-07	2.96E-08	1.11E-08	4.08E-08	1.75E-08	7.97E-09	2.55E-08	1.45E-08	4.83E-09	1.93E-08
1610	564286.04	4191645.88	1.82E-07	7.01E-08	2.52E-07	2.92E-08	1.10E-08	4.02E-08	1.73E-08	7.87E-09	2.51E-08	1.43E-08	4.76E-09	1.91E-08
1611	564295.9	4191647.39	1.80E-07	6.92E-08	2.49E-07	2.88E-08	1.08E-08	3.97E-08	1.70E-08	7.76E-09	2.48E-08	1.41E-08	4.70E-09	1.88E-08
1612	564256.57	4191647.69	1.81E-07	6.98E-08	2.51E-07	2.91E-08	1.09E-08	4.01E-08	1.72E-08	7.83E-09	2.50E-08	1.42E-08	4.74E-09	1.90E-08
1613	564248.33	4191642.64	1.87E-07	7.20E-08	2.59E-07	3.00E-08	1.13E-08	4.13E-08	1.77E-08	8.08E-09	2.58E-08	1.47E-08	4.89E-09	1.96E-08
1614	564240.09	4191637.59	1.93E-07	7.42E-08	2.67E-07	3.09E-08	1.16E-08	4.26E-08	1.83E-08	8.33E-09	2.66E-08	1.51E-08	5.04E-09	2.02E-08
1615	564231.84	4191632.54	1.98E-07	7.64E-08	2.75E-07	3.18E-08	1.20E-08	4.38E-08	1.88E-08	8.57E-09	2.74E-08	1.56E-08	5.19E-09	2.08E-08
1616	564223.6	4191627.5	2.04E-07	7.84E-08	2.82E-07	3.27E-08	1.23E-08	4.50E-08	1.93E-08	8.80E-09	2.81E-08	1.60E-08	5.33E-09	2.13E-08
1617	564215.36	4191622.45	2.09E-07	8.02E-08	2.89E-07	3.35E-08	1.26E-08	4.60E-08	1.97E-08	9.00E-09	2.87E-08	1.64E-08	5.45E-09	2.18E-08
1618	564207.11	4191617.4	2.13E-07	8.18E-08	2.94E-07	3.41E-08	1.28E-08	4.69E-08	2.01E-08	9.18E-09	2.93E-08	1.67E-08	5.56E-09	2.22E-08
1619	564198.87	4191612.35	2.16E-07	8.31E-08	2.99E-07	3.47E-08	1.30E-08	4.77E-08	2.04E-08	9.32E-09	2.98E-08	1.69E-08	5.65E-09	2.26E-08
1620	564190.62	4191607.31	2.19E-07	8.41E-08	3.03E-07	3.51E-08	1.32E-08	4.82E-08	2.07E-08	9.43E-09	3.01E-08	1.71E-08	5.71E-09	2.29E-08
1621	564182.38	4191602.26	2.20E-07	8.47E-08	3.05E-07	3.53E-08	1.33E-08	4.86E-08	2.08E-08	9.50E-09	3.03E-08	1.73E-08	5.75E-09	2.30E-08
1622	564174.14	4191597.21	2.21E-07	8.49E-08	3.05E-07	3.54E-08	1.33E-08	4.87E-08	2.09E-08	9.52E-09	3.04E-08	1.73E-08	5.76E-09	2.31E-08
1623	564149.41	4191582.07	2.15E-07	8.28E-08	2.98E-07	3.45E-08	1.30E-08	4.75E-08	2.04E-08	9.29E-09	2.97E-08	1.69E-08	5.62E-09	2.25E-08
1624	564141.16	4191577.02	2.11E-07	8.13E-08	2.92E-07	3.39E-08	1.27E-08	4.66E-08	2.00E-08	9.12E-09	2.91E-08	1.66E-08	5.52E-09	2.21E-08
1625	564132.92	4191571.98	2.06E-07	7.94E-08	2.86E-07	3.31E-08	1.24E-08	4.55E-08	1.95E-08	8.90E-09	2.84E-08	1.62E-08	5.39E-09	2.16E-08
1626	564124.68	4191566.93	2.00E-07	7.71E-08	2.77E-07	3.21E-08	1.21E-08	4.42E-08	1.90E-08	8.65E-09	2.76E-08	1.57E-08	5.24E-09	2.10E-08
1627	564116.43	4191561.88	1.94E-07	7.45E-08	2.68E-07	3.11E-08	1.17E-08	4.27E-08	1.83E-08	8.36E-09	2.67E-08	1.52E-08	5.06E-09	2.03E-08
1628	564108.19	4191556.83	1.86E-07	7.17E-08	2.58E-07	2.99E-08	1.12E-08	4.11E-08	1.76E-08	8.04E-09	2.57E-08	1.46E-08	4.87E-09	1.95E-08
1629	564099.94	4191551.79	1.79E-07	6.87E-08	2.47E-07	2.87E-08	1.08E-08	3.94E-08	1.69E-08	7.71E-09	2.46E-08	1.40E-08	4.67E-09	1.87E-08

1630	564091.7	4191546.74	1.71E-07	6.57E-08	2.36E-07	2.74E-08	1.03E-08	3.77E-08	1.62E-08	7.37E-09	2.35E-08	1.34E-08	4.46E-09	1.79E-08
1631	564083.46	4191541.69	1.63E-07	6.25E-08	2.25E-07	2.61E-08	9.80E-09	3.59E-08	1.54E-08	7.02E-09	2.24E-08	1.28E-08	4.25E-09	1.70E-08
1632	564075.21	4191536.65	1.54E-07	5.93E-08	2.14E-07	2.47E-08	9.29E-09	3.40E-08	1.46E-08	6.66E-09	2.13E-08	1.21E-08	4.03E-09	1.61E-08
1633	564062.61	4191512.76	1.41E-07	5.43E-08	1.95E-07	2.26E-08	8.50E-09	3.11E-08	1.33E-08	6.09E-09	1.94E-08	1.11E-08	3.69E-09	1.47E-08
1634	564060.43	4191503.35	1.38E-07	5.31E-08	1.91E-07	2.21E-08	8.32E-09	3.05E-08	1.31E-08	5.96E-09	1.90E-08	1.08E-08	3.61E-09	1.44E-08
1635	564058.25	4191493.93	1.35E-07	5.18E-08	1.87E-07	2.16E-08	8.12E-09	2.97E-08	1.28E-08	5.81E-09	1.86E-08	1.06E-08	3.52E-09	1.41E-08
1636	564056.07	4191484.51	1.31E-07	5.04E-08	1.81E-07	2.10E-08	7.90E-09	2.89E-08	1.24E-08	5.66E-09	1.81E-08	1.03E-08	3.42E-09	1.37E-08
1637	564053.89	4191475.1	1.27E-07	4.89E-08	1.76E-07	2.04E-08	7.66E-09	2.80E-08	1.20E-08	5.48E-09	1.75E-08	9.97E-09	3.32E-09	1.33E-08
1638	564051.71	4191465.68	1.23E-07	4.72E-08	1.70E-07	1.97E-08	7.40E-09	2.71E-08	1.16E-08	5.30E-09	1.69E-08	9.63E-09	3.21E-09	1.28E-08
1639	564049.53	4191456.26	1.19E-07	4.56E-08	1.64E-07	1.90E-08	7.15E-09	2.62E-08	1.12E-08	5.12E-09	1.63E-08	9.30E-09	3.10E-09	1.24E-08
1640	564047.35	4191446.84	1.14E-07	4.39E-08	1.58E-07	1.83E-08	6.87E-09	2.52E-08	1.08E-08	4.92E-09	1.57E-08	8.95E-09	2.98E-09	1.19E-08
1641	564045.17	4191437.43	1.09E-07	4.21E-08	1.51E-07	1.75E-08	6.59E-09	2.41E-08	1.03E-08	4.72E-09	1.51E-08	8.57E-09	2.86E-09	1.14E-08
1642	564043	4191428.01	1.04E-07	4.01E-08	1.44E-07	1.67E-08	6.29E-09	2.30E-08	9.87E-09	4.50E-09	1.44E-08	8.18E-09	2.73E-09	1.09E-08
1643	564040.82	4191418.59	9.92E-08	3.82E-08	1.37E-07	1.59E-08	5.98E-09	2.19E-08	9.39E-09	4.28E-09	1.37E-08	7.78E-09	2.59E-09	1.04E-08
1644	564038.64	4191409.17	9.39E-08	3.61E-08	1.30E-07	1.51E-08	5.66E-09	2.07E-08	8.89E-09	4.05E-09	1.29E-08	7.37E-09	2.45E-09	9.82E-09
1645	564036.46	4191399.76	8.87E-08	3.41E-08	1.23E-07	1.42E-08	5.35E-09	1.96E-08	8.40E-09	3.83E-09	1.22E-08	6.96E-09	2.32E-09	9.28E-09
1646	564034.28	4191390.34	8.36E-08	3.22E-08	1.16E-07	1.34E-08	5.04E-09	1.84E-08	7.91E-09	3.61E-09	1.15E-08	6.56E-09	2.18E-09	8.74E-09
1647	564032.1	4191380.92	7.87E-08	3.03E-08	1.09E-07	1.26E-08	4.74E-09	1.74E-08	7.45E-09	3.40E-09	1.08E-08	6.17E-09	2.06E-09	8.23E-09
1648	564029.92	4191371.51	7.39E-08	2.85E-08	1.02E-07	1.19E-08	4.46E-09	1.63E-08	7.00E-09	3.19E-09	1.02E-08	5.80E-09	1.93E-09	7.73E-09
1649	564027.74	4191362.09	6.95E-08	2.67E-08	9.62E-08	1.11E-08	4.19E-09	1.53E-08	6.58E-09	3.00E-09	9.58E-09	5.45E-09	1.82E-09	7.27E-09
1650	564025.56	4191352.67	6.53E-08	2.51E-08	9.04E-08	1.05E-08	3.94E-09	1.44E-08	6.18E-09	2.82E-09	9.00E-09	5.12E-09	1.71E-09	6.83E-09
1651	564023.38	4191343.25	6.15E-08	2.37E-08	8.52E-08	9.87E-09	3.71E-09	1.36E-08	5.82E-09	2.66E-09	8.48E-09	4.83E-09	1.61E-09	6.44E-09
1652	564021.2	4191333.84	5.83E-08	2.24E-08	8.07E-08	9.35E-09	3.51E-09	1.29E-08	5.51E-09	2.51E-09	8.03E-09	4.57E-09	1.52E-09	6.09E-09
1653	564019.02	4191324.42	5.54E-08	2.13E-08	7.67E-08	8.88E-09	3.34E-09	1.22E-08	5.24E-09	2.39E-09	7.63E-09	4.34E-09	1.45E-09	5.79E-09
1654	564016.84	4191315	5.29E-08	2.03E-08	7.32E-08	8.48E-09	3.19E-09	1.17E-08	5.01E-09	2.28E-09	7.29E-09	4.15E-09	1.38E-09	5.53E-09
1655	564264.82	4191652.73	1.76E-07	6.77E-08	2.44E-07	2.82E-08	1.06E-08	3.88E-08	1.66E-08	7.59E-09	2.42E-08	1.38E-08	4.60E-09	1.84E-08
1656	564274.67	4191654.25	1.74E-07	6.69E-08	2.41E-07	2.79E-08	1.05E-08	3.83E-08	1.64E-08	7.50E-09	2.39E-08	1.36E-08	4.54E-09	1.82E-08
1657	564284.52	4191655.76	1.71E-07	6.60E-08	2.37E-07	2.75E-08	1.03E-08	3.78E-08	1.62E-08	7.40E-09	2.36E-08	1.35E-08	4.48E-09	1.79E-08
1658	564294.38	4191657.27	1.69E-07	6.51E-08	2.34E-07	2.71E-08	1.02E-08	3.73E-08	1.60E-08	7.30E-09	2.33E-08	1.33E-08	4.42E-09	1.77E-08
1659	564238.77	4191647.6	1.81E-07	6.97E-08	2.51E-07	2.90E-08	1.09E-08	4.00E-08	1.71E-08	7.82E-09	2.50E-08	1.42E-08	4.73E-09	1.89E-08
1660	564230.59	4191642.59	1.86E-07	7.17E-08	2.58E-07	2.99E-08	1.12E-08	4.11E-08	1.76E-08	8.04E-09	2.57E-08	1.46E-08	4.87E-09	1.95E-08
1661	564222.41	4191637.58	1.91E-07	7.36E-08	2.65E-07	3.07E-08	1.15E-08	4.22E-08	1.81E-08	8.26E-09	2.64E-08	1.50E-08	5.00E-09	2.00E-08
1662	564214.23	4191632.58	1.96E-07	7.53E-08	2.71E-07	3.14E-08	1.18E-08	4.32E-08	1.85E-08	8.45E-09	2.70E-08	1.54E-08	5.12E-09	2.05E-08
1663	564206.06	4191627.57	2.00E-07	7.69E-08	2.77E-07	3.21E-08	1.20E-08	4.41E-08	1.89E-08	8.63E-09	2.75E-08	1.57E-08	5.22E-09	2.09E-08
1664	564197.88	4191622.56	2.03E-07	7.82E-08	2.81E-07	3.26E-08	1.22E-08	4.48E-08	1.92E-08	8.77E-09	2.80E-08	1.59E-08	5.31E-09	2.13E-08
1665	564189.7	4191617.56	2.06E-07	7.92E-08	2.85E-07	3.30E-08	1.24E-08	4.54E-08	1.95E-08	8.89E-09	2.84E-08	1.61E-08	5.38E-09	2.15E-08
1666	564181.52	4191612.55	2.08E-07	7.99E-08	2.88E-07	3.33E-08	1.25E-08	4.58E-08	1.97E-08	8.96E-09	2.86E-08	1.63E-08	5.43E-09	2.17E-08
1667	564173.34	4191607.54	2.09E-07	8.02E-08	2.89E-07	3.35E-08	1.26E-08	4.60E-08	1.97E-08	9.00E-09	2.87E-08	1.64E-08	5.45E-09	2.18E-08
1668	564148.81	4191592.52	2.05E-07	7.91E-08	2.85E-07	3.30E-08	1.24E-08	4.54E-08	1.95E-08	8.87E-09	2.83E-08	1.61E-08	5.37E-09	2.15E-08
1669	564140.63	4191587.51	2.02E-07	7.79E-08	2.80E-07	3.25E-08	1.22E-08	4.47E-08	1.92E-08	8.74E-09	2.79E-08	1.59E-08	5.29E-09	2.12E-08
1670	564132.46	4191582.51	1.99E-07	7.64E-08	2.75E-07	3.19E-08	1.20E-08	4.38E-08	1.88E-08	8.57E-09	2.74E-08	1.56E-08	5.19E-09	2.08E-08
1671	564124.28	4191577.5	1.94E-07	7.46E-08	2.68E-07	3.11E-08	1.17E-08	4.28E-08	1.83E-08	8.37E-09	2.67E-08	1.52E-08	5.07E-09	2.03E-08
1672	564116.1	4191572.49	1.88E-07	7.24E-08	2.61E-07	3.02E-08	1.13E-08	4.16E-08	1.78E-08	8.13E-09	2.59E-08	1.48E-08	4.92E-09	1.97E-08
1673	564107.92	4191567.49	1.82E-07	7.00E-08	2.52E-07	2.92E-08	1.10E-08	4.02E-08	1.72E-08	7.86E-09	2.51E-08	1.43E-08	4.76E-09	1.90E-08
1674	564099.75	4191562.48	1.75E-07	6.74E-08	2.43E-07	2.81E-08	1.06E-08	3.87E-08	1.66E-08	7.57E-09	2.42E-08	1.38E-08	4.58E-09	1.83E-08
1675	564091.57	4191557.47	1.68E-07	6.47E-08	2.33E-07	2.70E-08	1.01E-08	3.71E-08	1.59E-08	7.26E-09	2.32E-08	1.32E-08	4.40E-09	1.76E-08
1676	564083.39	4191552.47	1.61E-07	6.19E-08	2.23E-07	2.58E-08	9.70E-09	3.55E-08	1.52E-08	6.94E-09	2.22E-08	1.26E-08	4.20E-09	1.68E-08
1677	564075.21	4191547.46	1.53E-07	5.90E-08	2.12E-07	2.46E-08	9.24E-09	3.38E-08	1.45E-08	6.62E-09	2.11E-08	1.20E-08	4.01E-09	1.60E-08
1678	564067.03	4191542.45	1.46E-07	5.60E-08	2.02E-07	2.34E-08	8.78E-09	3.21E-08	1.38E-08	6.29E-09	2.01E-08	1.14E-08	3.81E-09	1.52E-08
1679	564052.37	4191509.42	1.31E-07	5.04E-08	1.81E-07	2.10E-08	7.90E-09	2.89E-08	1.24E-08	5.65E-09	1.81E-08	1.03E-08	3.42E-09	1.37E-08
1680	564050.21	4191500.08	1.28E-07	4.93E-08	1.77E-07	2.05E-08	7.72E-09	2.83E-08	1.21E-08	5.53E-09	1.76E-08	1.00E-08	3.35E-09	1.34E-08
1681	564048.05	4191490.74	1.25E-07	4.80E-08	1.73E-07	2.00E-08	7.52E-09	2.75E-08	1.18E-08	5.39E-09	1.72E-08	9.79E-09	3.26E-09	1.30E-08
1682	564045.88	4191481.39	1.21E-07	4.66E-08	1.68E-07	1.94E-08	7.31E-09	2.67E-08	1.15E-08	5.23E-09	1.67E-08	9.51E-09	3.17E-09	1.27E-08
1683	564043.72	4191472.05	1.17E-07	4.52E-08	1.63E-07	1.88E-08	7.08E-09	2.59E-08	1.11E-08	5.07E-09	1.62E-08	9.21E-09	3.07E-09	1.23E-08
1684	564041.56	4191462.71	1.14E-07	4.37E-08	1.57E-07	1.82E-08	6.84E-09	2.51E-08	1.07E-08	4.90E-09	1.57E-08	8.91E-09	2.97E-09	1.19E-08
1685	564039.4	4191453.37	1.10E-07	4.21E-08	1.52E-07	1.76E-08	6.60E-09	2.42E-08	1.04E-08	4.73E-09	1.51E-08	8.59E-09	2.86E-09	1.15E-08
1686	564037.24	4191444.03	1.05E-07	4.05E-08	1.46E-07	1.69E-08	6.35E-09	2.32E-08	9.97E-09	4.54E-09	1.45E-08	8.26E-09	2.75E-09	1.10E-08
1687	564035.07	4191434.68	1.01E-07	3.88E-08	1.40E-07	1.62E-08	6.08E-09	2.23E-08	9.54E-09	4.35E-09	1.39E-08	7.91E-09	2.64E-09	1.05E-08
1688	564032.91	4191425.34	9.61E-08	3.70E-08	1.33E-07	1.54E-08	5.79E-09	2.12E-08	9.10E-09	4.15E-09	1.32E-08	7.54E-09	2.51E-09	1.01E-08
1689	564030.75	4191416	9.13E-08	3.51E-08	1.26E-07	1.47E-08	5.51E-09	2.02E-08	8.65E-09	3.94E-09	1.26E-08	7.16E-09	2.39E-09	9.55E-09
1690	564028.59	4191406.66	8.65E-08	3.33E-08	1.20E-07	1.39E-08	5.21E-09	1.91E-08	8.19E-09	3.73E-09	1.19E-08	6.79E-09	2.26E-09	9.05E-09
1691	564026.43	4191397.32	8.18E-08	3.15E-08	1.13E-07	1.31E-08	4.93E-09	1.81E-08	7.74E-09	3.53E-09	1.13E-08	6.42E-09	2.14E-09	8.55E-09
1692	564024.26	4191387.98	7.72E-08	2.97E-08	1.07E-07	1.24E-08	4.66E-09	1.70E-08	7.31E-09	3.33E-09	1.06E-08	6.06E-09	2.02E-09	8.08E-09
1693	564022.1	4191378.63	7.28E-08	2.80E-08	1.01E-07	1.17E-08	4.39E-09	1.61E-08	6.89E-09	3.14E-09	1.00E-08	5.71E-09	1.90E-09	7.62E-09
1694	564019.94	4191369.29	6.85E-08	2.64E-08	9.49E-08	1.10E-08	4.13E-09	1.51E-08	6.49E-09	2.96E-09	9.45E-09	5.38E-09	1.79E-09	7.17E-09
1695	564017.78	4191359.95	6.45E-08	2.48E-08	8.94E-08	1.04E-08	3.89E-09	1.42E-08	6.11E-09	2.79E-09	8.89E-09	5.06E-09	1.69E-09	6.75E-09
1696	564015.62	4191350.61	6.08E-08	2.34E-08	8.42E-08	9.76E-09	3.67E-09	1.34E-08	5.76E-09	2.63E-09	8.38E-09	4.77E-09	1.59E-09	6.36E-09
1697	564013.45	4191341.27	5.75E-08	2.21E-08	7.96E-08	9.23E-09	3.47E-09	1.27E-08	5.44E-09	2.48E-09	7.93E-09	4.51E-09	1.50E-09	6.02E-09
1698	564011.29	4191331.92	5.46E-08	2.10E-08	7.56E-08	8.76E-09	3.29E-09	1.20E-08	5.17E-09	2.36E-09	7.52E-09	4.28E-09	1.43E-09	5.71E-09
1699	564009.13	4191322.58	5.20E-08	2.00E-08	7.20E-08	8.34E-09	3.13E-09	1.15E-08	4.92E-09	2.24E-09	7.17E-09	4.08E-09	1.36E-09	5.44E-09
1700	564006.97	4191313.24	4.97E-08	1.91E-08	6.89E-08	7.98E-09	3.00E-09	1.10E-08	4.71E-09	2.15E-09	6.86E-09	3.90E-09	1.30E-09	5.20E-09

1701	564349.78	4191362.44	1.79E-05	6.90E-06	2.48E-05	2.88E-06	1.08E-06	3.96E-06	1.70E-06	7.74E-07	2.47E-06	1.41E-06	4.69E-07	1.88E-06
1702	564352.52	4191346.45	2.80E-05	1.08E-05	3.88E-05	4.50E-06	1.69E-06	6.19E-06	2.65E-06	1.21E-06	3.86E-06	2.20E-06	7.33E-07	2.93E-06
1703	564355.26	4191330.45	3.28E-05	1.26E-05	4.55E-05	5.27E-06	1.98E-06	7.25E-06	3.11E-06	1.42E-06	4.53E-06	2.58E-06	8.58E-07	3.43E-06
1704	564361	4191356.13	1.44E-05	5.54E-06	1.99E-05	2.31E-06	8.67E-07	3.18E-06	1.36E-06	6.21E-07	1.98E-06	1.13E-06	3.76E-07	1.51E-06
1705	564363.74	4191340.14	2.34E-05	9.00E-06	3.24E-05	3.75E-06	1.41E-06	5.16E-06	2.21E-06	1.01E-06	3.22E-06	1.83E-06	6.11E-07	2.45E-06
1706	564350.09	4191386.86	6.14E-06	2.36E-06	8.50E-06	9.85E-07	3.70E-07	1.35E-06	5.81E-07	2.65E-07	8.46E-07	4.82E-07	1.60E-07	6.42E-07
1707	564370.86	4191357.82	9.40E-06	3.62E-06	1.30E-05	1.51E-06	5.66E-07	2.07E-06	8.90E-07	4.06E-07	1.30E-06	7.37E-07	2.46E-07	9.83E-07
1708	564373.6	4191341.83	1.52E-05	5.83E-06	2.10E-05	2.43E-06	9.14E-07	3.34E-06	1.43E-06	6.54E-07	2.09E-06	1.19E-06	3.96E-07	1.59E-06
1709	564376.34	4191325.84	1.92E-05	7.39E-06	2.66E-05	3.08E-06	1.16E-06	4.24E-06	1.82E-06	8.29E-07	2.65E-06	1.51E-06	5.02E-07	2.01E-06
1710	564367.31	4191386.78	4.59E-06	1.76E-06	6.35E-06	7.36E-07	2.76E-07	1.01E-06	4.34E-07	1.98E-07	6.32E-07	3.60E-07	1.20E-07	4.80E-07
1711	564355.94	4191394.97	4.27E-06	1.64E-06	5.92E-06	6.86E-07	2.58E-07	9.43E-07	4.05E-07	1.85E-07	5.89E-07	3.35E-07	1.12E-07	4.47E-07
1712	564380.72	4191359.51	6.50E-06	2.50E-06	9.00E-06	1.04E-06	3.92E-07	1.43E-06	6.15E-07	2.81E-07	8.96E-07	5.10E-07	1.70E-07	6.80E-07
1713	564383.46	4191343.52	9.73E-06	3.74E-06	1.35E-05	1.56E-06	5.86E-07	2.15E-06	9.21E-07	4.20E-07	1.34E-06	7.63E-07	2.54E-07	1.02E-06
1714	564377.17	4191388.47	3.66E-06	1.41E-06	5.07E-06	5.87E-07	2.21E-07	8.08E-07	3.47E-07	1.58E-07	5.05E-07	2.87E-07	9.57E-08	3.83E-07
1715	564361.78	4191403.09	3.15E-06	1.21E-06	4.36E-06	5.05E-07	1.90E-07	6.95E-07	2.98E-07	1.36E-07	4.34E-07	2.47E-07	8.23E-08	3.29E-07
1716	564347.06	4191406.63	3.30E-06	1.27E-06	4.57E-06	5.29E-07	1.99E-07	7.28E-07	3.12E-07	1.42E-07	4.55E-07	2.59E-07	8.63E-08	3.45E-07
1717	564367.63	4191411.2	2.42E-06	9.30E-07	3.35E-06	3.88E-07	1.46E-07	5.33E-07	2.29E-07	1.04E-07	3.33E-07	1.90E-07	6.31E-08	2.53E-07
1718	564352.9	4191414.74	2.54E-06	9.79E-07	3.52E-06	4.08E-07	1.53E-07	5.62E-07	2.41E-07	1.10E-07	3.51E-07	2.00E-07	6.65E-08	2.66E-07
1719	564373.48	4191419.31	1.91E-06	7.35E-07	2.64E-06	3.06E-07	1.15E-07	4.21E-07	1.81E-07	8.24E-08	2.63E-07	1.50E-07	4.99E-08	2.00E-07
1720	564358.75	4191422.86	2.02E-06	7.77E-07	2.80E-06	3.24E-07	1.22E-07	4.46E-07	1.91E-07	8.71E-08	2.78E-07	1.58E-07	5.28E-08	2.11E-07
1721	564344.02	4191426.4	2.05E-06	7.87E-07	2.83E-06	3.28E-07	1.23E-07	4.51E-07	1.94E-07	8.83E-08	2.82E-07	1.60E-07	5.35E-08	2.14E-07
1722	564364.59	4191430.97	1.64E-06	6.30E-07	2.27E-06	2.63E-07	9.86E-08	3.61E-07	1.55E-07	7.06E-08	2.26E-07	1.28E-07	4.28E-08	1.71E-07
1723	564349.87	4191434.51	1.67E-06	6.44E-07	2.32E-06	2.68E-07	1.01E-07	3.69E-07	1.58E-07	7.22E-08	2.31E-07	1.31E-07	4.37E-08	1.75E-07
1724	564370.44	4191439.08	1.35E-06	5.20E-07	1.87E-06	2.17E-07	8.14E-08	2.98E-07	1.28E-07	5.83E-08	1.86E-07	1.06E-07	3.53E-08	1.41E-07
1725	564355.71	4191442.62	1.39E-06	5.35E-07	1.92E-06	2.23E-07	8.38E-08	3.07E-07	1.32E-07	6.00E-08	1.92E-07	1.09E-07	3.63E-08	1.45E-07
1726	564340.99	4191446.17	1.39E-06	5.33E-07	1.92E-06	2.22E-07	8.35E-08	3.06E-07	1.31E-07	5.98E-08	1.91E-07	1.09E-07	3.62E-08	1.45E-07
1727	564430	4191367.95	1.85E-06	7.11E-07	2.56E-06	2.96E-07	1.11E-07	4.08E-07	1.75E-07	7.98E-08	2.55E-07	1.45E-07	4.83E-08	1.93E-07
1728	564432.74	4191351.96	2.08E-06	7.99E-07	2.88E-06	3.33E-07	1.25E-07	4.58E-07	1.97E-07	8.97E-08	2.86E-07	1.63E-07	5.43E-08	2.17E-07
1729	564435.48	4191335.97	2.74E-06	1.05E-06	3.80E-06	4.40E-07	1.65E-07	6.05E-07	2.59E-07	1.18E-07	3.78E-07	2.15E-07	7.16E-08	2.87E-07
1730	564426.45	4191396.91	1.45E-06	5.59E-07	2.01E-06	2.33E-07	8.76E-08	3.21E-07	1.38E-07	6.28E-08	2.00E-07	1.14E-07	3.80E-08	1.52E-07
1731	564361.56	4191450.74	1.17E-06	4.51E-07	1.62E-06	1.88E-07	7.06E-08	2.58E-07	1.11E-07	5.06E-08	1.61E-07	9.19E-08	3.06E-08	1.22E-07
1732	564346.83	4191454.28	1.18E-06	4.53E-07	1.63E-06	1.89E-07	7.10E-08	2.60E-07	1.11E-07	5.08E-08	1.62E-07	9.24E-08	3.08E-08	1.23E-07
1733	564439.85	4191369.64	1.54E-06	5.91E-07	2.13E-06	2.47E-07	9.27E-08	3.39E-07	1.46E-07	6.64E-08	2.12E-07	1.21E-07	4.02E-08	1.61E-07
1734	564442.59	4191353.65	1.69E-06	6.51E-07	2.34E-06	2.71E-07	1.02E-07	3.73E-07	1.60E-07	7.30E-08	2.33E-07	1.33E-07	4.42E-08	1.77E-07
1735	564445.33	4191337.66	2.14E-06	8.25E-07	2.97E-06	3.44E-07	1.29E-07	4.73E-07	2.03E-07	9.25E-08	2.95E-07	1.68E-07	5.60E-08	2.24E-07
1736	564436.31	4191398.6	1.25E-06	4.81E-07	1.73E-06	2.01E-07	7.53E-08	2.76E-07	1.18E-07	5.40E-08	1.72E-07	9.81E-08	3.27E-08	1.31E-07
1737	564428.29	4191411.45	1.17E-06	4.51E-07	1.62E-06	1.88E-07	7.06E-08	2.59E-07	1.11E-07	5.06E-08	1.61E-07	9.19E-08	3.06E-08	1.23E-07
1738	564420.27	4191424.3	1.07E-06	4.14E-07	1.49E-06	1.72E-07	6.48E-08	2.37E-07	1.02E-07	4.64E-08	1.48E-07	8.43E-08	2.81E-08	1.12E-07
1739	564367.4	4191458.85	9.99E-07	3.85E-07	1.38E-06	1.60E-07	6.02E-08	2.21E-07	9.46E-08	4.31E-08	1.38E-07	7.84E-08	2.61E-08	1.05E-07
1740	564449.71	4191371.33	1.30E-06	4.99E-07	1.79E-06	2.08E-07	7.81E-08	2.86E-07	1.23E-07	5.59E-08	1.79E-07	1.02E-07	3.39E-08	1.36E-07
1741	564452.45	4191355.34	1.40E-06	5.38E-07	1.94E-06	2.24E-07	8.42E-08	3.08E-07	1.32E-07	6.03E-08	1.93E-07	1.10E-07	3.65E-08	1.46E-07
1742	564455.19	4191339.35	1.70E-06	6.56E-07	2.36E-06	2.73E-07	1.03E-07	3.76E-07	1.61E-07	7.36E-08	2.35E-07	1.34E-07	4.46E-08	1.78E-07
1743	564446.16	4191400.29	1.09E-06	4.18E-07	1.50E-06	1.74E-07	6.54E-08	2.40E-07	1.03E-07	4.69E-08	1.50E-07	8.52E-08	2.84E-08	1.14E-07
1744	564438.14	4191413.14	1.03E-06	3.96E-07	1.42E-06	1.65E-07	6.20E-08	2.27E-07	9.73E-08	4.44E-08	1.42E-07	8.06E-08	2.69E-08	1.08E-07
1745	564430.12	4191425.99	9.51E-07	3.66E-07	1.32E-06	1.53E-07	5.73E-08	2.10E-07	9.01E-08	4.11E-08	1.31E-07	7.46E-08	2.49E-08	9.95E-08
1746	564422.1	4191438.84	8.74E-07	3.36E-07	1.21E-06	1.40E-07	5.27E-08	1.93E-07	8.27E-08	3.77E-08	1.20E-07	6.86E-08	2.28E-08	9.14E-08
1747	564459.57	4191373.02	1.11E-06	4.25E-07	1.53E-06	1.77E-07	6.66E-08	2.44E-07	1.05E-07	4.77E-08	1.52E-07	8.67E-08	2.89E-08	1.16E-07
1748	564462.31	4191357.03	1.17E-06	4.52E-07	1.63E-06	1.88E-07	7.08E-08	2.59E-07	1.11E-07	5.07E-08	1.62E-07	9.21E-08	3.07E-08	1.23E-07
1749	564465.05	4191341.03	1.39E-06	5.34E-07	1.92E-06	2.22E-07	8.36E-08	3.06E-07	1.31E-07	5.99E-08	1.91E-07	1.09E-07	3.62E-08	1.45E-07
1750	564456.02	4191401.98	9.52E-07	3.66E-07	1.32E-06	1.53E-07	5.74E-08	2.10E-07	9.01E-08	4.11E-08	1.31E-07	7.47E-08	2.49E-08	9.95E-08
1751	564448	4191414.83	9.09E-07	3.50E-07	1.26E-06	1.46E-07	5.48E-08	2.01E-07	8.60E-08	3.92E-08	1.25E-07	7.13E-08	2.38E-08	9.51E-08
1752	564439.98	4191427.68	8.47E-07	3.26E-07	1.17E-06	1.36E-07	5.10E-08	1.87E-07	8.02E-08	3.66E-08	1.17E-07	6.64E-08	2.21E-08	8.86E-08
1753	564431.96	4191440.53	7.83E-07	3.01E-07	1.08E-06	1.26E-07	4.72E-08	1.73E-07	7.42E-08	3.38E-08	1.08E-07	6.15E-08	2.05E-08	8.19E-08
1754	564423.94	4191453.37	7.22E-07	2.78E-07	1.00E-06	1.16E-07	4.35E-08	1.59E-07	6.84E-08	3.12E-08	9.95E-08	5.67E-08	1.89E-08	7.55E-08
1755	564349.64	4191482.16	7.66E-07	2.95E-07	1.06E-06	1.23E-07	4.62E-08	1.69E-07	7.25E-08	3.31E-08	1.06E-07	6.01E-08	2.00E-08	8.01E-08
1756	564334.91	4191485.7	7.54E-07	2.90E-07	1.04E-06	1.21E-07	4.54E-08	1.66E-07	7.14E-08	3.25E-08	1.04E-07	5.91E-08	1.97E-08	7.88E-08
1757	564469.42	4191374.71	9.53E-07	3.67E-07	1.32E-06	1.53E-07	5.75E-08	2.10E-07	9.03E-08	4.12E-08	1.31E-07	7.48E-08	2.49E-08	9.97E-08
1758	564472.16	4191358.72	1.00E-06	3.85E-07	1.38E-06	1.60E-07	6.03E-08	2.21E-07	9.47E-08	4.32E-08	1.38E-07	7.85E-08	2.61E-08	1.05E-07
1759	564474.9	4191342.72	1.15E-06	4.42E-07	1.59E-06	1.84E-07	6.93E-08	2.54E-07	1.09E-07	4.96E-08	1.58E-07	9.02E-08	3.01E-08	1.20E-07
1760	564465.88	4191403.67	8.40E-07	3.23E-07	1.16E-06	1.35E-07	5.07E-08	1.85E-07	7.96E-08	3.63E-08	1.16E-07	6.59E-08	2.20E-08	8.79E-08
1761	564457.86	4191416.52	8.09E-07	3.11E-07	1.12E-06	1.30E-07	4.88E-08	1.79E-07	7.66E-08	3.49E-08	1.12E-07	6.35E-08	2.12E-08	8.47E-08
1762	564449.83	4191429.36	7.59E-07	2.92E-07	1.05E-06	1.22E-07	4.57E-08	1.67E-07	7.18E-08	3.27E-08	1.05E-07	5.95E-08	1.98E-08	7.93E-08
1763	564441.81	4191442.21	7.05E-07	2.71E-07	9.77E-07	1.13E-07	4.25E-08	1.56E-07	6.68E-08	3.05E-08	9.72E-08	5.53E-08	1.84E-08	7.38E-08
1764	564433.79	4191455.06	6.55E-07	2.52E-07	9.07E-07	1.05E-07	3.95E-08	1.45E-07	6.20E-08	2.83E-08	9.03E-08	5.14E-08	1.71E-08	6.85E-08
1765	564425.77	4191467.91	6.07E-07	2.34E-07	8.41E-07	9.74E-08	3.66E-08	1.34E-07	5.75E-08	2.62E-08	8.37E-08	4.76E-08	1.59E-08	6.35E-08
1766	564355.49	4191490.27	6.78E-07	2.61E-07	9.38E-07	1.09E-07	4.08E-08	1.50E-07	6.42E-08	2.93E-08	9.34E-08	5.32E-08	1.77E-08	7.09E-08
1767	564340.76	4191493.82	6.70E-07	2.58E-07	9.28E-07	1.08E-07	4.04E-08	1.48E-07	6.35E-08	2.89E-08	9.24E-08	5.26E-08	1.75E-08	7.01E-08
1768	564479.28	4191376.4	8.30E-07	3.19E-07	1.15E-06	1.33E-07	5.00E-08	1.83E-07	7.86E-08	3.58E-08	1.14E-07	6.51E-08	2.17E-08	8.68E-08
1769	564482.02	4191360.4	8.62E-07	3.32E-07	1.19E-06	1.38E-07	5.20E-08	1.90E-07	8.16E-08	3.72E-08	1.19E-07	6.76E-08	2.25E-08	9.02E-08
1770	564484.76	4191344.41	9.69E-07	3.73E-07	1.34E-06	1.55E-07	5.84E-08	2.14E-07	9.17E-08	4.18E-08	1.34E-07	7.60E-08	2.53E-08	1.01E-07
1771	564475.73	4191405.36	7.46E-07	2.87E-07	1.03E-06	1.20E-07	4.50E-08	1.65E-07	7.06E-08	3.22E-08	1.03E-07	5.85E-08	1.95E-08	7.80E-08

1772	564467.71	4191418.2	7.24E-07	2.79E-07	1.00E-06	1.16E-07	4.37E-08	1.60E-07	6.86E-08	3.13E-08	9.98E-08	5.68E-08	1.89E-08	7.58E-08
1773	564459.69	4191431.05	6.82E-07	2.63E-07	9.45E-07	1.09E-07	4.11E-08	1.51E-07	6.46E-08	2.95E-08	9.41E-08	5.35E-08	1.78E-08	7.14E-08
1774	564451.67	4191443.9	6.38E-07	2.45E-07	8.83E-07	1.02E-07	3.84E-08	1.41E-07	6.04E-08	2.75E-08	8.79E-08	5.00E-08	1.67E-08	6.67E-08
1775	564443.65	4191456.75	5.96E-07	2.29E-07	8.26E-07	9.57E-08	3.59E-08	1.32E-07	5.64E-08	2.57E-08	8.22E-08	4.68E-08	1.56E-08	6.24E-08
1776	564435.63	4191469.6	5.56E-07	2.14E-07	7.70E-07	8.92E-08	3.35E-08	1.23E-07	5.27E-08	2.40E-08	7.67E-08	4.36E-08	1.45E-08	5.82E-08
1777	564361.33	4191498.39	6.02E-07	2.32E-07	8.34E-07	9.66E-08	3.63E-08	1.33E-07	5.70E-08	2.60E-08	8.30E-08	4.72E-08	1.57E-08	6.30E-08
1778	564346.6	4191501.93	5.99E-07	2.31E-07	8.30E-07	9.61E-08	3.61E-08	1.32E-07	5.67E-08	2.59E-08	8.26E-08	4.70E-08	1.57E-08	6.27E-08
1779	564331.88	4191505.47	5.88E-07	2.26E-07	8.15E-07	9.44E-08	3.55E-08	1.30E-07	5.57E-08	2.54E-08	8.11E-08	4.62E-08	1.54E-08	6.15E-08
1780	564489.14	4191378.09	7.28E-07	2.80E-07	1.01E-06	1.17E-07	4.39E-08	1.61E-07	6.90E-08	3.14E-08	1.00E-07	5.71E-08	1.90E-08	7.62E-08
1781	564491.88	4191362.09	7.50E-07	2.89E-07	1.04E-06	1.20E-07	4.52E-08	1.66E-07	7.10E-08	3.24E-08	1.03E-07	5.89E-08	1.96E-08	7.85E-08
1782	564494.62	4191346.1	8.28E-07	3.19E-07	1.15E-06	1.33E-07	4.99E-08	1.83E-07	7.84E-08	3.57E-08	1.14E-07	6.50E-08	2.16E-08	8.66E-08
1783	564484.79	4191408.33	6.61E-07	2.54E-07	9.16E-07	1.06E-07	3.99E-08	1.46E-07	6.26E-08	2.85E-08	9.12E-08	5.19E-08	1.73E-08	6.92E-08
1784	564476.23	4191422.03	6.43E-07	2.48E-07	8.91E-07	1.03E-07	3.88E-08	1.42E-07	6.09E-08	2.78E-08	8.87E-08	5.05E-08	1.68E-08	6.73E-08
1785	564467.68	4191435.74	6.04E-07	2.32E-07	8.37E-07	9.69E-08	3.64E-08	1.33E-07	5.72E-08	2.61E-08	8.33E-08	4.74E-08	1.58E-08	6.32E-08
1786	564459.12	4191449.45	5.68E-07	2.18E-07	7.86E-07	9.11E-08	3.42E-08	1.25E-07	5.37E-08	2.45E-08	7.82E-08	4.45E-08	1.48E-08	5.94E-08
1787	564450.56	4191463.15	5.31E-07	2.04E-07	7.35E-07	8.52E-08	3.20E-08	1.17E-07	5.03E-08	2.29E-08	7.32E-08	4.17E-08	1.39E-08	5.55E-08
1788	564442.01	4191476.86	4.96E-07	1.91E-07	6.86E-07	7.95E-08	2.99E-08	1.09E-07	4.69E-08	2.14E-08	6.83E-08	3.89E-08	1.30E-08	5.18E-08
1789	564425.6	4191492.45	4.75E-07	1.83E-07	6.58E-07	7.62E-08	2.86E-08	1.05E-07	4.50E-08	2.05E-08	6.55E-08	3.73E-08	1.24E-08	4.97E-08
1790	564362.76	4191507.56	5.38E-07	2.07E-07	7.45E-07	8.63E-08	3.24E-08	1.19E-07	5.10E-08	2.32E-08	7.42E-08	4.22E-08	1.41E-08	5.63E-08
1791	564347.05	4191511.34	5.36E-07	2.06E-07	7.42E-07	8.59E-08	3.23E-08	1.18E-07	5.07E-08	2.31E-08	7.38E-08	4.20E-08	1.40E-08	5.60E-08
1792	564331.34	4191515.12	5.27E-07	2.03E-07	7.29E-07	8.45E-08	3.17E-08	1.16E-07	4.99E-08	2.27E-08	7.26E-08	4.13E-08	1.38E-08	5.51E-08
1793	564498.99	4191379.77	6.42E-07	2.47E-07	8.89E-07	1.03E-07	3.87E-08	1.42E-07	6.08E-08	2.77E-08	8.85E-08	5.04E-08	1.68E-08	6.71E-08
1794	564501.73	4191363.78	6.59E-07	2.54E-07	9.13E-07	1.06E-07	3.97E-08	1.45E-07	6.24E-08	2.85E-08	9.08E-08	5.17E-08	1.72E-08	6.89E-08
1795	564504.47	4191347.79	7.16E-07	2.75E-07	9.91E-07	1.15E-07	4.31E-08	1.58E-07	6.77E-08	3.09E-08	9.86E-08	5.61E-08	1.87E-08	7.48E-08
1796	564494.69	4191409.94	5.91E-07	2.27E-07	8.19E-07	9.48E-08	3.56E-08	1.30E-07	5.60E-08	2.55E-08	8.15E-08	4.64E-08	1.55E-08	6.18E-08
1797	564486.17	4191423.59	5.79E-07	2.23E-07	8.02E-07	9.30E-08	3.49E-08	1.28E-07	5.49E-08	2.50E-08	7.99E-08	4.55E-08	1.51E-08	6.06E-08
1798	564477.65	4191437.24	5.49E-07	2.11E-07	7.60E-07	8.81E-08	3.31E-08	1.21E-07	5.20E-08	2.37E-08	7.57E-08	4.31E-08	1.44E-08	5.74E-08
1799	564469.13	4191450.89	5.15E-07	1.98E-07	7.13E-07	8.26E-08	3.10E-08	1.14E-07	4.87E-08	2.22E-08	7.10E-08	4.04E-08	1.35E-08	5.38E-08
1800	564460.6	4191464.55	4.86E-07	1.87E-07	6.74E-07	7.80E-08	2.93E-08	1.07E-07	4.60E-08	2.10E-08	6.70E-08	3.82E-08	1.27E-08	5.09E-08
1801	564452.08	4191478.2	4.53E-07	1.74E-07	6.28E-07	7.27E-08	2.73E-08	1.00E-07	4.29E-08	1.96E-08	6.25E-08	3.56E-08	1.18E-08	4.74E-08
1802	564431.47	4191500.56	4.24E-07	1.63E-07	5.87E-07	6.80E-08	2.56E-08	9.36E-08	4.01E-08	1.83E-08	5.84E-08	3.33E-08	1.11E-08	4.43E-08
1803	564415.83	4191504.32	4.48E-07	1.72E-07	6.20E-07	7.19E-08	2.70E-08	9.89E-08	4.24E-08	1.93E-08	6.18E-08	3.51E-08	1.17E-08	4.69E-08
1804	564353.23	4191519.37	4.83E-07	1.86E-07	6.69E-07	7.75E-08	2.91E-08	1.07E-07	4.57E-08	2.08E-08	6.66E-08	3.79E-08	1.26E-08	5.05E-08
1805	564337.59	4191523.14	4.78E-07	1.84E-07	6.62E-07	7.67E-08	2.88E-08	1.05E-07	4.52E-08	2.06E-08	6.59E-08	3.75E-08	1.25E-08	5.00E-08
1806	564508.85	4191381.46	5.71E-07	2.20E-07	7.91E-07	9.16E-08	3.44E-08	1.26E-07	5.40E-08	2.46E-08	7.87E-08	4.48E-08	1.49E-08	5.97E-08
1807	564511.59	4191365.47	5.79E-07	2.23E-07	8.02E-07	9.29E-08	3.49E-08	1.28E-07	5.48E-08	2.50E-08	7.98E-08	4.54E-08	1.51E-08	6.06E-08
1808	564514.33	4191349.48	6.17E-07	2.37E-07	8.55E-07	9.90E-08	3.72E-08	1.36E-07	5.84E-08	2.66E-08	8.51E-08	4.84E-08	1.61E-08	6.46E-08
1809	564504.6	4191411.56	5.31E-07	2.04E-07	7.36E-07	8.52E-08	3.20E-08	1.17E-07	5.03E-08	2.29E-08	7.32E-08	4.17E-08	1.39E-08	5.56E-08
1810	564496.1	4191425.16	5.24E-07	2.02E-07	7.26E-07	8.41E-08	3.16E-08	1.16E-07	4.96E-08	2.26E-08	7.23E-08	4.11E-08	1.37E-08	5.48E-08
1811	564487.61	4191438.77	5.01E-07	1.93E-07	6.93E-07	8.03E-08	3.02E-08	1.11E-07	4.74E-08	2.16E-08	6.90E-08	3.93E-08	1.31E-08	5.24E-08
1812	564479.12	4191452.37	4.72E-07	1.81E-07	6.53E-07	7.57E-08	2.84E-08	1.04E-07	4.46E-08	2.04E-08	6.50E-08	3.70E-08	1.23E-08	4.93E-08
1813	564470.62	4191465.98	4.44E-07	1.71E-07	6.14E-07	7.12E-08	2.67E-08	9.79E-08	4.20E-08	1.92E-08	6.12E-08	3.48E-08	1.16E-08	4.64E-08
1814	564462.13	4191479.58	4.17E-07	1.61E-07	5.78E-07	6.69E-08	2.52E-08	9.21E-08	3.95E-08	1.80E-08	5.75E-08	3.27E-08	1.09E-08	4.36E-08
1815	564437.35	4191508.67	3.82E-07	1.47E-07	5.29E-07	6.13E-08	2.30E-08	8.43E-08	3.62E-08	1.65E-08	5.27E-08	3.00E-08	9.99E-09	4.00E-08
1816	564421.75	4191512.42	4.03E-07	1.55E-07	5.58E-07	6.47E-08	2.43E-08	8.90E-08	3.82E-08	1.74E-08	5.56E-08	3.16E-08	1.05E-08	4.22E-08
1817	564359.38	4191527.41	4.38E-07	1.68E-07	6.06E-07	7.02E-08	2.64E-08	9.66E-08	4.14E-08	1.89E-08	6.03E-08	3.43E-08	1.14E-08	4.58E-08
1818	564343.78	4191531.16	4.35E-07	1.67E-07	6.02E-07	6.98E-08	2.62E-08	9.60E-08	4.12E-08	1.88E-08	5.99E-08	3.41E-08	1.14E-08	4.55E-08
1819	564328.19	4191534.91	4.29E-07	1.65E-07	5.94E-07	6.88E-08	2.58E-08	9.46E-08	4.06E-08	1.85E-08	5.91E-08	3.36E-08	1.12E-08	4.48E-08
1820	564518.7	4191383.15	5.11E-07	1.97E-07	7.08E-07	8.20E-08	3.08E-08	1.13E-07	4.84E-08	2.21E-08	7.04E-08	4.01E-08	1.34E-08	5.34E-08
1821	564521.44	4191367.16	5.15E-07	1.98E-07	7.14E-07	8.27E-08	3.11E-08	1.14E-07	4.88E-08	2.23E-08	7.10E-08	4.04E-08	1.35E-08	5.39E-08
1822	564524.18	4191351.17	5.41E-07	2.08E-07	7.50E-07	8.69E-08	3.26E-08	1.19E-07	5.13E-08	2.34E-08	7.46E-08	4.25E-08	1.42E-08	5.66E-08
1823	564514.49	4191413.18	4.81E-07	1.85E-07	6.66E-07	7.71E-08	2.90E-08	1.06E-07	4.55E-08	2.07E-08	6.62E-08	3.77E-08	1.26E-08	5.03E-08
1824	564506.02	4191426.74	4.77E-07	1.83E-07	6.60E-07	7.65E-08	2.87E-08	1.05E-07	4.51E-08	2.06E-08	6.57E-08	3.74E-08	1.25E-08	4.98E-08
1825	564497.56	4191440.31	4.58E-07	1.76E-07	6.35E-07	7.35E-08	2.76E-08	1.01E-07	4.34E-08	1.98E-08	6.32E-08	3.60E-08	1.20E-08	4.79E-08
1826	564489.09	4191453.87	4.33E-07	1.67E-07	6.00E-07	6.95E-08	2.61E-08	9.56E-08	4.10E-08	1.87E-08	5.97E-08	3.40E-08	1.13E-08	4.53E-08
1827	564480.62	4191467.43	4.09E-07	1.57E-07	5.66E-07	6.55E-08	2.46E-08	9.02E-08	3.87E-08	1.76E-08	5.63E-08	3.21E-08	1.07E-08	4.27E-08
1828	564472.16	4191481	3.85E-07	1.48E-07	5.33E-07	6.18E-08	2.32E-08	8.50E-08	3.64E-08	1.66E-08	5.31E-08	3.02E-08	1.01E-08	4.03E-08
1829	564455.22	4191508.12	3.46E-07	1.33E-07	4.79E-07	5.54E-08	2.08E-08	7.63E-08	3.27E-08	1.49E-08	4.76E-08	2.71E-08	9.03E-09	3.61E-08
1830	564443.22	4191516.77	3.46E-07	1.33E-07	4.79E-07	5.55E-08	2.09E-08	7.64E-08	3.28E-08	1.49E-08	4.77E-08	2.71E-08	9.04E-09	3.62E-08
1831	564427.67	4191520.51	3.65E-07	1.40E-07	5.05E-07	5.85E-08	2.20E-08	8.05E-08	3.45E-08	1.58E-08	5.03E-08	2.86E-08	9.54E-09	3.82E-08
1832	564412.12	4191524.25	3.79E-07	1.46E-07	5.25E-07	6.08E-08	2.29E-08	8.37E-08	3.59E-08	1.64E-08	5.23E-08	2.97E-08	9.91E-09	3.97E-08
1833	564349.94	4191539.2	3.97E-07	1.53E-07	5.50E-07	6.37E-08	2.39E-08	8.76E-08	3.76E-08	1.71E-08	5.47E-08	3.12E-08	1.04E-08	4.15E-08
1834	564334.4	4191542.94	3.93E-07	1.51E-07	5.44E-07	6.31E-08	2.37E-08	8.67E-08	3.72E-08	1.70E-08	5.42E-08	3.08E-08	1.03E-08	4.11E-08
1835	564528.56	4191384.84	4.60E-07	1.77E-07	6.36E-07	7.37E-08	2.77E-08	1.01E-07	4.35E-08	1.98E-08	6.33E-08	3.61E-08	1.20E-08	4.81E-08
1836	564531.3	4191368.85	4.62E-07	1.78E-07	6.39E-07	7.41E-08	2.78E-08	1.02E-07	4.37E-08	1.99E-08	6.36E-08	3.62E-08	1.21E-08	4.83E-08
1837	564534.04	4191352.86	4.79E-07	1.84E-07	6.64E-07	7.69E-08	2.89E-08	1.06E-07	4.54E-08	2.07E-08	6.60E-08	3.76E-08	1.25E-08	5.01E-08
1838	564524.38	4191414.81	4.37E-07	1.68E-07	6.05E-07	7.00E-08	2.63E-08	9.64E-08	4.13E-08	1.88E-08	6.02E-08	3.42E-08	1.14E-08	4.57E-08
1839	564515.94	4191428.34	4.35E-07	1.67E-07	6.02E-07	6.98E-08	2.62E-08	9.60E-08	4.12E-08	1.88E-08	6.00E-08	3.41E-08	1.14E-08	4.55E-08
1840	564507.5	4191441.86	4.21E-07	1.62E-07	5.82E-07	6.75E-08	2.54E-08	9.28E-08	3.98E-08	1.82E-08	5.80E-08	3.30E-08	1.10E-08	4.40E-08
1841	564499.05	4191455.39	3.99E-07	1.54E-07	5.53E-07	6.41E-08	2.41E-08	8.82E-08	3.78E-08	1.72E-08	5.51E-08	3.13E-08	1.04E-08	4.18E-08
1842	564490.61	4191468.92	3.77E-07	1.45E-07	5.22E-07	6.05E-08	2.27E-08	8.32E-08	3.57E-08	1.63E-08	5.20E-08	2.96E-08	9.86E-09	3.94E-08

1843	564482.17	4191482.44	3.56E-07	1.37E-07	4.93E-07	5.71E-08	2.15E-08	7.85E-08	3.37E-08	1.54E-08	4.91E-08	2.79E-08	9.30E-09	3.72E-08
1844	564465.28	4191509.49	3.22E-07	1.24E-07	4.46E-07	5.17E-08	1.94E-08	7.11E-08	3.05E-08	1.39E-08	4.44E-08	2.53E-08	8.42E-09	3.37E-08
1845	564449.08	4191524.88	3.15E-07	1.21E-07	4.36E-07	5.05E-08	1.90E-08	6.95E-08	2.98E-08	1.36E-08	4.34E-08	2.47E-08	8.23E-09	3.29E-08
1846	564433.58	4191528.61	3.31E-07	1.27E-07	4.58E-07	5.31E-08	1.99E-08	7.30E-08	3.13E-08	1.43E-08	4.56E-08	2.59E-08	8.64E-09	3.46E-08
1847	564418.08	4191532.34	3.45E-07	1.33E-07	4.77E-07	5.53E-08	2.08E-08	7.60E-08	3.26E-08	1.49E-08	4.75E-08	2.70E-08	9.00E-09	3.60E-08
1848	564356.07	4191547.25	3.64E-07	1.40E-07	5.04E-07	5.83E-08	2.19E-08	8.03E-08	3.44E-08	1.57E-08	5.01E-08	2.85E-08	9.50E-09	3.80E-08
1849	564340.56	4191550.98	3.61E-07	1.39E-07	5.00E-07	5.79E-08	2.18E-08	7.97E-08	3.42E-08	1.56E-08	4.98E-08	2.83E-08	9.44E-09	3.78E-08
1850	564325.06	4191554.7	3.56E-07	1.37E-07	4.93E-07	5.71E-08	2.15E-08	7.86E-08	3.37E-08	1.54E-08	4.91E-08	2.79E-08	9.31E-09	3.72E-08
1851	564538.42	4191386.53	4.15E-07	1.60E-07	5.75E-07	6.66E-08	2.50E-08	9.17E-08	3.93E-08	1.79E-08	5.73E-08	3.26E-08	1.09E-08	4.34E-08
1852	564541.16	4191370.54	4.16E-07	1.60E-07	5.76E-07	6.67E-08	2.51E-08	9.18E-08	3.94E-08	1.80E-08	5.73E-08	3.26E-08	1.09E-08	4.35E-08
1853	564543.9	4191354.54	4.29E-07	1.65E-07	5.94E-07	6.88E-08	2.58E-08	9.46E-08	4.06E-08	1.85E-08	5.91E-08	3.36E-08	1.12E-08	4.48E-08
1854	564534.27	4191416.45	3.98E-07	1.53E-07	5.51E-07	6.38E-08	2.40E-08	8.78E-08	3.77E-08	1.72E-08	5.49E-08	3.12E-08	1.04E-08	4.16E-08
1855	564525.85	4191429.94	3.98E-07	1.53E-07	5.52E-07	6.39E-08	2.40E-08	8.79E-08	3.77E-08	1.72E-08	5.49E-08	3.12E-08	1.04E-08	4.17E-08
1856	564517.43	4191443.43	3.87E-07	1.49E-07	5.36E-07	6.21E-08	2.33E-08	8.54E-08	3.66E-08	1.67E-08	5.34E-08	3.04E-08	1.01E-08	4.05E-08
1857	564509	4191456.93	3.69E-07	1.42E-07	5.11E-07	5.92E-08	2.22E-08	8.15E-08	3.49E-08	1.59E-08	5.09E-08	2.90E-08	9.65E-09	3.86E-08
1858	564500.58	4191470.42	3.49E-07	1.34E-07	4.83E-07	5.60E-08	2.10E-08	7.70E-08	3.30E-08	1.51E-08	4.81E-08	2.74E-08	9.12E-09	3.65E-08
1859	564492.16	4191483.91	3.30E-07	1.27E-07	4.57E-07	5.29E-08	1.99E-08	7.28E-08	3.12E-08	1.42E-08	4.55E-08	2.59E-08	8.62E-09	3.45E-08
1860	564475.31	4191510.89	3.00E-07	1.16E-07	4.16E-07	4.82E-08	1.81E-08	6.63E-08	2.84E-08	1.30E-08	4.14E-08	2.36E-08	7.85E-09	3.14E-08
1861	564466.89	4191524.39	2.87E-07	1.10E-07	3.97E-07	4.60E-08	1.73E-08	6.33E-08	2.72E-08	1.24E-08	3.95E-08	2.25E-08	7.50E-09	3.00E-08
1862	564454.95	4191532.99	2.88E-07	1.11E-07	3.98E-07	4.61E-08	1.73E-08	6.35E-08	2.72E-08	1.24E-08	3.96E-08	2.26E-08	7.52E-09	3.01E-08
1863	564439.48	4191536.71	3.02E-07	1.16E-07	4.18E-07	4.84E-08	1.82E-08	6.66E-08	2.86E-08	1.30E-08	4.16E-08	2.37E-08	7.89E-09	3.16E-08
1864	564424.02	4191540.43	3.14E-07	1.21E-07	4.35E-07	5.04E-08	1.90E-08	6.94E-08	2.98E-08	1.36E-08	4.33E-08	2.47E-08	8.22E-09	3.29E-08
1865	564408.56	4191544.15	3.23E-07	1.24E-07	4.48E-07	5.19E-08	1.95E-08	7.14E-08	3.06E-08	1.40E-08	4.46E-08	2.54E-08	8.45E-09	3.38E-08
1866	564346.7	4191559.02	3.33E-07	1.28E-07	4.61E-07	5.34E-08	2.01E-08	7.34E-08	3.15E-08	1.44E-08	4.59E-08	2.61E-08	8.70E-09	3.48E-08
1867	564548.27	4191388.22	3.77E-07	1.45E-07	5.22E-07	6.05E-08	2.27E-08	8.32E-08	3.57E-08	1.63E-08	5.20E-08	2.96E-08	9.86E-09	3.94E-08
1868	564551.01	4191372.23	3.77E-07	1.45E-07	5.22E-07	6.05E-08	2.27E-08	8.32E-08	3.57E-08	1.63E-08	5.19E-08	2.96E-08	9.85E-09	3.94E-08
1869	564553.75	4191356.23	3.86E-07	1.49E-07	5.34E-07	6.19E-08	2.33E-08	8.52E-08	3.65E-08	1.67E-08	5.32E-08	3.03E-08	1.01E-08	4.04E-08
1870	564544.16	4191418.09	3.64E-07	1.40E-07	5.04E-07	5.84E-08	2.19E-08	8.03E-08	3.45E-08	1.57E-08	5.02E-08	2.86E-08	9.51E-09	3.81E-08
1871	564535.75	4191431.56	3.66E-07	1.41E-07	5.06E-07	5.87E-08	2.20E-08	8.07E-08	3.46E-08	1.58E-08	5.04E-08	2.87E-08	9.56E-09	3.83E-08
1872	564527.35	4191445.02	3.57E-07	1.37E-07	4.95E-07	5.73E-08	2.15E-08	7.88E-08	3.38E-08	1.54E-08	4.92E-08	2.80E-08	9.34E-09	3.74E-08
1873	564518.95	4191458.48	3.42E-07	1.32E-07	4.74E-07	5.49E-08	2.06E-08	7.55E-08	3.24E-08	1.48E-08	4.71E-08	2.68E-08	8.94E-09	3.58E-08
1874	564510.54	4191471.94	3.24E-07	1.25E-07	4.49E-07	5.20E-08	1.95E-08	7.16E-08	3.07E-08	1.40E-08	4.47E-08	2.54E-08	8.47E-09	3.39E-08
1875	564502.14	4191485.4	3.07E-07	1.18E-07	4.25E-07	4.92E-08	1.85E-08	6.77E-08	2.90E-08	1.32E-08	4.23E-08	2.41E-08	8.01E-09	3.21E-08
1876	564485.33	4191512.32	2.80E-07	1.08E-07	3.88E-07	4.50E-08	1.69E-08	6.19E-08	2.65E-08	1.21E-08	3.86E-08	2.20E-08	7.33E-09	2.93E-08
1877	564476.93	4191525.78	2.69E-07	1.03E-07	3.72E-07	4.31E-08	1.62E-08	5.93E-08	2.54E-08	1.16E-08	3.71E-08	2.11E-08	7.03E-09	2.81E-08
1878	564460.81	4191541.1	2.64E-07	1.01E-07	3.65E-07	4.23E-08	1.59E-08	5.82E-08	2.50E-08	1.14E-08	3.63E-08	2.07E-08	6.89E-09	2.76E-08
1879	564445.38	4191544.81	2.76E-07	1.06E-07	3.83E-07	4.43E-08	1.67E-08	6.10E-08	2.62E-08	1.19E-08	3.81E-08	2.17E-08	7.22E-09	2.89E-08
1880	564429.95	4191548.52	2.88E-07	1.11E-07	3.99E-07	4.62E-08	1.74E-08	6.36E-08	2.73E-08	1.24E-08	3.97E-08	2.26E-08	7.53E-09	3.01E-08
1881	564414.53	4191552.23	2.96E-07	1.14E-07	4.11E-07	4.76E-08	1.79E-08	6.54E-08	2.81E-08	1.28E-08	4.09E-08	2.33E-08	7.75E-09	3.10E-08
1882	564321.95	4191574.49	3.01E-07	1.16E-07	4.16E-07	4.82E-08	1.81E-08	6.64E-08	2.85E-08	1.30E-08	4.14E-08	2.36E-08	7.86E-09	3.14E-08
1883	564545.65	4191433.17	3.37E-07	1.30E-07	4.66E-07	5.40E-08	2.03E-08	7.43E-08	3.19E-08	1.45E-08	4.64E-08	2.64E-08	8.80E-09	3.52E-08
1884	564537.27	4191446.61	3.30E-07	1.27E-07	4.57E-07	5.30E-08	1.99E-08	7.29E-08	3.13E-08	1.43E-08	4.55E-08	2.59E-08	8.63E-09	3.46E-08
1885	564528.88	4191460.04	3.18E-07	1.22E-07	4.40E-07	5.10E-08	1.91E-08	7.01E-08	3.01E-08	1.37E-08	4.38E-08	2.49E-08	8.30E-09	3.32E-08
1886	564520.49	4191473.47	3.02E-07	1.16E-07	4.18E-07	4.85E-08	1.82E-08	6.67E-08	2.86E-08	1.30E-08	4.16E-08	2.37E-08	7.89E-09	3.16E-08
1887	564512.11	4191486.91	2.86E-07	1.10E-07	3.96E-07	4.59E-08	1.73E-08	6.32E-08	2.71E-08	1.24E-08	3.95E-08	2.25E-08	7.48E-09	2.99E-08
1888	564495.34	4191513.77	2.62E-07	1.01E-07	3.63E-07	4.20E-08	1.58E-08	5.78E-08	2.48E-08	1.13E-08	3.61E-08	2.06E-08	6.85E-09	2.74E-08
1889	564486.95	4191527.21	2.52E-07	9.70E-08	3.49E-07	4.04E-08	1.52E-08	5.56E-08	2.39E-08	1.09E-08	3.47E-08	1.98E-08	6.59E-09	2.64E-08
1890	564478.57	4191540.64	2.42E-07	9.31E-08	3.35E-07	3.88E-08	1.46E-08	5.34E-08	2.29E-08	1.04E-08	3.33E-08	1.90E-08	6.32E-09	2.53E-08
1891	564466.67	4191549.21	2.43E-07	9.34E-08	3.36E-07	3.89E-08	1.46E-08	5.36E-08	2.30E-08	1.05E-08	3.34E-08	1.90E-08	6.34E-09	2.54E-08
1892	564451.28	4191552.91	2.54E-07	9.78E-08	3.52E-07	4.08E-08	1.53E-08	5.61E-08	2.41E-08	1.10E-08	3.50E-08	1.99E-08	6.64E-09	2.66E-08
1893	564435.88	4191556.61	2.64E-07	1.02E-07	3.66E-07	4.24E-08	1.59E-08	5.83E-08	2.50E-08	1.14E-08	3.64E-08	2.07E-08	6.90E-09	2.76E-08
1894	564420.48	4191560.32	2.73E-07	1.05E-07	3.77E-07	4.37E-08	1.64E-08	6.01E-08	2.58E-08	1.18E-08	3.76E-08	2.14E-08	7.12E-09	2.85E-08
1895	564343.5	4191578.83	2.83E-07	1.09E-07	3.92E-07	4.54E-08	1.71E-08	6.24E-08	2.68E-08	1.22E-08	3.90E-08	2.22E-08	7.40E-09	2.96E-08
1896	564328.1	4191582.53	2.80E-07	1.08E-07	3.88E-07	4.49E-08	1.69E-08	6.18E-08	2.65E-08	1.21E-08	3.86E-08	2.20E-08	7.32E-09	2.93E-08
1897	564538.81	4191461.62	2.96E-07	1.14E-07	4.09E-07	4.74E-08	1.78E-08	6.52E-08	2.80E-08	1.28E-08	4.07E-08	2.32E-08	7.73E-09	3.09E-08
1898	564530.44	4191475.02	2.82E-07	1.09E-07	3.91E-07	4.52E-08	1.70E-08	6.22E-08	2.67E-08	1.22E-08	3.89E-08	2.21E-08	7.37E-09	2.95E-08
1899	564522.07	4191488.43	2.68E-07	1.03E-07	3.71E-07	4.30E-08	1.62E-08	5.92E-08	2.54E-08	1.16E-08	3.70E-08	2.10E-08	7.01E-09	2.80E-08
1900	564505.33	4191515.25	2.45E-07	9.44E-08	3.40E-07	3.94E-08	1.48E-08	5.41E-08	2.32E-08	1.06E-08	3.38E-08	1.92E-08	6.41E-09	2.57E-08
1901	564496.96	4191528.66	2.36E-07	9.10E-08	3.27E-07	3.79E-08	1.43E-08	5.22E-08	2.24E-08	1.02E-08	3.26E-08	1.85E-08	6.18E-09	2.47E-08
1902	564488.59	4191542.06	2.28E-07	8.76E-08	3.15E-07	3.65E-08	1.37E-08	5.03E-08	2.16E-08	9.83E-09	3.14E-08	1.79E-08	5.95E-09	2.38E-08
1903	564472.53	4191557.32	2.24E-07	8.62E-08	3.10E-07	3.59E-08	1.35E-08	4.94E-08	2.12E-08	9.67E-09	3.09E-08	1.76E-08	5.85E-09	2.34E-08
1904	564457.17	4191561.01	2.34E-07	9.01E-08	3.24E-07	3.76E-08	1.41E-08	5.17E-08	2.22E-08	1.01E-08	3.23E-08	1.84E-08	6.12E-09	2.45E-08
1905	564441.8	4191564.71	2.43E-07	9.37E-08	3.37E-07	3.90E-08	1.47E-08	5.37E-08	2.30E-08	1.05E-08	3.35E-08	1.91E-08	6.36E-09	2.55E-08
1906	564426.43	4191568.41	2.51E-07	9.67E-08	3.48E-07	4.03E-08	1.51E-08	5.55E-08	2.38E-08	1.08E-08	3.46E-08	1.97E-08	6.57E-09	2.63E-08
1907	564411.06	4191572.1	2.57E-07	9.89E-08	3.56E-07	4.12E-08	1.55E-08	5.67E-08	2.43E-08	1.11E-08	3.54E-08	2.02E-08	6.72E-09	2.69E-08
1908	564349.59	4191586.88	2.63E-07	1.01E-07	3.64E-07	4.22E-08	1.59E-08	5.81E-08	2.49E-08	1.14E-08	3.63E-08	2.06E-08	6.88E-09	2.75E-08
1909	564334.22	4191590.58	2.61E-07	1.00E-07	3.61E-07	4.19E-08	1.57E-08	5.76E-08	2.47E-08	1.13E-08	3.60E-08	2.05E-08	6.82E-09	2.73E-08
1910	564318.85	4191594.27	2.57E-07	9.90E-08	3.56E-07	4.13E-08	1.55E-08	5.68E-08	2.43E-08	1.11E-08	3.55E-08	2.02E-08	6.72E-09	2.69E-08
1911	564580.58	4191377.29	2.87E-07	1.10E-07	3.98E-07	4.61E-08	1.73E-08	6.34E-08	2.72E-08	1.24E-08	3.96E-08	2.25E-08	7.51E-09	3.00E-08
1912	564583.32	4191361.3	2.91E-07	1.12E-07	4.03E-07	4.67E-08	1.75E-08	6.43E-08	2.76E-08	1.26E-08	4.01E-08	2.28E-08	7.61E-09	3.04E-08
1913	564515.31	4191516.74	2.31E-07	8.88E-08	3.20E-07	3.70E-08	1.39E-08	5.09E-08	2.18E-08	9.96E-09	3.18E-08	1.81E-08	6.03E-09	2.41E-08

1914	564506.95	4191530.12	2.22E-07	8.55E-08	3.08E-07	3.57E-08	1.34E-08	4.91E-08	2.10E-08	9.60E-09	3.06E-08	1.74E-08	5.81E-09	2.33E-08
1915	564498.6	4191543.51	2.14E-07	8.25E-08	2.97E-07	3.44E-08	1.29E-08	4.73E-08	2.03E-08	9.26E-09	2.96E-08	1.68E-08	5.61E-09	2.24E-08
1916	564490.24	4191556.89	2.07E-07	7.95E-08	2.86E-07	3.31E-08	1.25E-08	4.56E-08	1.96E-08	8.92E-09	2.85E-08	1.62E-08	5.40E-09	2.16E-08
1917	564478.39	4191565.43	2.07E-07	7.98E-08	2.87E-07	3.33E-08	1.25E-08	4.58E-08	1.96E-08	8.95E-09	2.86E-08	1.63E-08	5.42E-09	2.17E-08
1918	564463.05	4191569.12	2.17E-07	8.34E-08	3.00E-07	3.48E-08	1.31E-08	4.78E-08	2.05E-08	9.35E-09	2.99E-08	1.70E-08	5.66E-09	2.27E-08
1919	564447.71	4191572.81	2.25E-07	8.66E-08	3.12E-07	3.61E-08	1.36E-08	4.97E-08	2.13E-08	9.71E-09	3.10E-08	1.77E-08	5.88E-09	2.35E-08
1920	564432.37	4191576.5	2.32E-07	8.93E-08	3.21E-07	3.72E-08	1.40E-08	5.12E-08	2.20E-08	1.00E-08	3.20E-08	1.82E-08	6.07E-09	2.43E-08
1921	564417.03	4191580.19	2.38E-07	9.16E-08	3.29E-07	3.82E-08	1.43E-08	5.25E-08	2.25E-08	1.03E-08	3.28E-08	1.87E-08	6.22E-09	2.49E-08
1922	564355.66	4191594.94	2.45E-07	9.43E-08	3.39E-07	3.93E-08	1.48E-08	5.41E-08	2.32E-08	1.06E-08	3.38E-08	1.92E-08	6.40E-09	2.56E-08
1923	564340.32	4191598.63	2.44E-07	9.37E-08	3.37E-07	3.91E-08	1.47E-08	5.38E-08	2.31E-08	1.05E-08	3.36E-08	1.91E-08	6.37E-09	2.55E-08
1924	564324.98	4191602.32	2.41E-07	9.27E-08	3.34E-07	3.87E-08	1.45E-08	5.32E-08	2.28E-08	1.04E-08	3.32E-08	1.89E-08	6.30E-09	2.52E-08
1925	564590.44	4191378.98	2.64E-07	1.02E-07	3.66E-07	4.24E-08	1.59E-08	5.83E-08	2.50E-08	1.14E-08	3.64E-08	2.07E-08	6.90E-09	2.76E-08
1926	564593.18	4191362.99	2.67E-07	1.03E-07	3.70E-07	4.29E-08	1.61E-08	5.90E-08	2.53E-08	1.15E-08	3.68E-08	2.10E-08	6.98E-09	2.79E-08
1927	564516.94	4191531.61	2.10E-07	8.06E-08	2.90E-07	3.36E-08	1.26E-08	4.63E-08	1.98E-08	9.05E-09	2.89E-08	1.64E-08	5.48E-09	2.19E-08
1928	564508.59	4191544.97	2.02E-07	7.78E-08	2.80E-07	3.24E-08	1.22E-08	4.46E-08	1.91E-08	8.73E-09	2.79E-08	1.59E-08	5.29E-09	2.12E-08
1929	564500.25	4191558.33	1.95E-07	7.52E-08	2.71E-07	3.13E-08	1.18E-08	4.31E-08	1.85E-08	8.43E-09	2.69E-08	1.53E-08	5.11E-09	2.04E-08
1930	564484.25	4191573.54	1.93E-07	7.41E-08	2.67E-07	3.09E-08	1.16E-08	4.25E-08	1.82E-08	8.31E-09	2.65E-08	1.51E-08	5.03E-09	2.01E-08
1931	564468.93	4191577.22	2.01E-07	7.73E-08	2.78E-07	3.22E-08	1.21E-08	4.44E-08	1.90E-08	8.68E-09	2.77E-08	1.58E-08	5.25E-09	2.10E-08
1932	564453.62	4191580.91	2.09E-07	8.03E-08	2.89E-07	3.35E-08	1.26E-08	4.60E-08	1.97E-08	9.01E-09	2.88E-08	1.64E-08	5.45E-09	2.18E-08
1933	564407.67	4191591.96	2.25E-07	8.64E-08	3.11E-07	3.60E-08	1.35E-08	4.96E-08	2.13E-08	9.69E-09	3.09E-08	1.76E-08	5.87E-09	2.35E-08
1934	564346.4	4191606.69	2.28E-07	8.77E-08	3.15E-07	3.65E-08	1.37E-08	5.03E-08	2.16E-08	9.83E-09	3.14E-08	1.79E-08	5.95E-09	2.38E-08
1935	564331.08	4191610.37	2.26E-07	8.69E-08	3.13E-07	3.62E-08	1.36E-08	4.99E-08	2.14E-08	9.75E-09	3.11E-08	1.77E-08	5.90E-09	2.36E-08
1936	564315.77	4191614.05	2.23E-07	8.57E-08	3.08E-07	3.57E-08	1.34E-08	4.92E-08	2.11E-08	9.61E-09	3.07E-08	1.75E-08	5.82E-09	2.33E-08
1937	564603.04	4191364.68	2.46E-07	9.45E-08	3.40E-07	3.94E-08	1.48E-08	5.42E-08	2.33E-08	1.06E-08	3.39E-08	1.93E-08	6.42E-09	2.57E-08
1938	564526.91	4191533.11	1.98E-07	7.61E-08	2.74E-07	3.17E-08	1.19E-08	4.36E-08	1.87E-08	8.54E-09	2.73E-08	1.55E-08	5.17E-09	2.07E-08
1939	564518.58	4191546.45	1.91E-07	7.35E-08	2.64E-07	3.06E-08	1.15E-08	4.22E-08	1.81E-08	8.24E-09	2.63E-08	1.50E-08	4.99E-09	2.00E-08
1940	564510.25	4191559.8	1.85E-07	7.11E-08	2.56E-07	2.96E-08	1.11E-08	4.08E-08	1.75E-08	7.97E-09	2.55E-08	1.45E-08	4.83E-09	1.93E-08
1941	564501.92	4191573.14	1.78E-07	6.87E-08	2.47E-07	2.86E-08	1.08E-08	3.94E-08	1.69E-08	7.70E-09	2.46E-08	1.40E-08	4.67E-09	1.87E-08
1942	564490.11	4191581.65	1.79E-07	6.90E-08	2.48E-07	2.88E-08	1.08E-08	3.96E-08	1.70E-08	7.74E-09	2.47E-08	1.41E-08	4.68E-09	1.87E-08
1943	564474.81	4191585.33	1.87E-07	7.19E-08	2.59E-07	3.00E-08	1.13E-08	4.12E-08	1.77E-08	8.07E-09	2.58E-08	1.47E-08	4.88E-09	1.95E-08
1944	564428.93	4191596.36	2.05E-07	7.90E-08	2.84E-07	3.29E-08	1.24E-08	4.53E-08	1.94E-08	8.86E-09	2.83E-08	1.61E-08	5.37E-09	2.15E-08
1945	564413.64	4191600.04	2.09E-07	8.05E-08	2.90E-07	3.36E-08	1.26E-08	4.62E-08	1.98E-08	9.03E-09	2.88E-08	1.64E-08	5.47E-09	2.19E-08
1946	564352.46	4191614.75	2.13E-07	8.21E-08	2.96E-07	3.42E-08	1.29E-08	4.71E-08	2.02E-08	9.21E-09	2.94E-08	1.67E-08	5.58E-09	2.23E-08
1947	564337.17	4191618.43	2.12E-07	8.16E-08	2.94E-07	3.40E-08	1.28E-08	4.68E-08	2.01E-08	9.15E-09	2.92E-08	1.66E-08	5.54E-09	2.22E-08
1948	564321.87	4191622.1	2.10E-07	8.07E-08	2.90E-07	3.36E-08	1.26E-08	4.63E-08	1.99E-08	9.05E-09	2.89E-08	1.65E-08	5.48E-09	2.19E-08
1949	564528.56	4191547.95	1.80E-07	6.94E-08	2.50E-07	2.89E-08	1.09E-08	3.98E-08	1.71E-08	7.79E-09	2.49E-08	1.42E-08	4.72E-09	1.89E-08
1950	564520.24	4191561.27	1.75E-07	6.73E-08	2.42E-07	2.80E-08	1.05E-08	3.86E-08	1.65E-08	7.55E-09	2.41E-08	1.37E-08	4.57E-09	1.83E-08
1951	564511.92	4191574.6	1.69E-07	6.52E-08	2.35E-07	2.72E-08	1.02E-08	3.74E-08	1.60E-08	7.31E-09	2.33E-08	1.33E-08	4.43E-09	1.77E-08
1952	564495.96	4191589.76	1.67E-07	6.43E-08	2.32E-07	2.68E-08	1.01E-08	3.69E-08	1.58E-08	7.22E-09	2.30E-08	1.31E-08	4.37E-09	1.75E-08
1953	564450.15	4191600.78	1.86E-07	7.17E-08	2.58E-07	2.99E-08	1.12E-08	4.11E-08	1.76E-08	8.05E-09	2.57E-08	1.46E-08	4.87E-09	1.95E-08
1954	564434.87	4191604.45	1.91E-07	7.36E-08	2.65E-07	3.07E-08	1.15E-08	4.22E-08	1.81E-08	8.26E-09	2.64E-08	1.50E-08	5.00E-09	2.00E-08
1955	564419.6	4191608.12	1.95E-07	7.51E-08	2.70E-07	3.13E-08	1.18E-08	4.31E-08	1.85E-08	8.42E-09	2.69E-08	1.53E-08	5.10E-09	2.04E-08
1956	564404.33	4191611.8	1.98E-07	7.61E-08	2.74E-07	3.17E-08	1.19E-08	4.36E-08	1.87E-08	8.53E-09	2.72E-08	1.55E-08	5.17E-09	2.07E-08
1957	564343.23	4191626.49	1.99E-07	7.67E-08	2.76E-07	3.20E-08	1.20E-08	4.40E-08	1.89E-08	8.60E-09	2.75E-08	1.56E-08	5.21E-09	2.08E-08
1958	564327.96	4191630.16	1.98E-07	7.60E-08	2.74E-07	3.17E-08	1.19E-08	4.36E-08	1.87E-08	8.53E-09	2.72E-08	1.55E-08	5.16E-09	2.07E-08
1959	564312.69	4191633.83	1.95E-07	7.50E-08	2.70E-07	3.12E-08	1.17E-08	4.30E-08	1.84E-08	8.41E-09	2.68E-08	1.53E-08	5.09E-09	2.04E-08
1960	564617.27	4191400.04	2.12E-07	8.17E-08	2.94E-07	3.41E-08	1.28E-08	4.68E-08	2.01E-08	9.16E-09	2.93E-08	1.67E-08	5.55E-09	2.22E-08
1961	564620.01	4191384.05	2.09E-07	8.06E-08	2.90E-07	3.36E-08	1.26E-08	4.62E-08	1.98E-08	9.04E-09	2.89E-08	1.64E-08	5.47E-09	2.19E-08
1962	564622.75	4191368.05	2.10E-07	8.06E-08	2.90E-07	3.36E-08	1.26E-08	4.63E-08	1.98E-08	9.05E-09	2.89E-08	1.64E-08	5.48E-09	2.19E-08
1963	564604.99	4191442.99	2.16E-07	8.29E-08	2.98E-07	3.46E-08	1.30E-08	4.76E-08	2.04E-08	9.30E-09	2.97E-08	1.69E-08	5.63E-09	2.25E-08
1964	564530.22	4191562.77	1.66E-07	6.37E-08	2.29E-07	2.66E-08	9.98E-09	3.65E-08	1.57E-08	7.15E-09	2.28E-08	1.30E-08	4.33E-09	1.73E-08
1965	564521.91	4191576.08	1.61E-07	6.19E-08	2.23E-07	2.58E-08	9.69E-09	3.55E-08	1.52E-08	6.94E-09	2.22E-08	1.26E-08	4.20E-09	1.68E-08
1966	564513.6	4191589.38	1.56E-07	5.99E-08	2.16E-07	2.50E-08	9.39E-09	3.44E-08	1.47E-08	6.72E-09	2.15E-08	1.22E-08	4.07E-09	1.63E-08
1967	564471.31	4191605.21	1.69E-07	6.49E-08	2.34E-07	2.71E-08	1.02E-08	3.72E-08	1.60E-08	7.28E-09	2.33E-08	1.32E-08	4.41E-09	1.76E-08
1968	564456.06	4191608.88	1.74E-07	6.70E-08	2.41E-07	2.79E-08	1.05E-08	3.84E-08	1.65E-08	7.51E-09	2.40E-08	1.37E-08	4.55E-09	1.82E-08
1969	564440.81	4191612.54	1.79E-07	6.88E-08	2.47E-07	2.87E-08	1.08E-08	3.94E-08	1.69E-08	7.71E-09	2.46E-08	1.40E-08	4.67E-09	1.87E-08
1970	564425.55	4191616.21	1.82E-07	7.02E-08	2.53E-07	2.93E-08	1.10E-08	4.03E-08	1.73E-08	7.88E-09	2.51E-08	1.43E-08	4.77E-09	1.91E-08
1971	564410.3	4191619.88	1.85E-07	7.12E-08	2.56E-07	2.97E-08	1.12E-08	4.08E-08	1.75E-08	7.99E-09	2.55E-08	1.45E-08	4.84E-09	1.94E-08
1972	564349.28	4191634.55	1.88E-07	7.22E-08	2.60E-07	3.01E-08	1.13E-08	4.14E-08	1.78E-08	8.10E-09	2.59E-08	1.47E-08	4.90E-09	1.96E-08
1973	564334.03	4191638.22	1.86E-07	7.17E-08	2.58E-07	2.99E-08	1.12E-08	4.11E-08	1.76E-08	8.04E-09	2.57E-08	1.46E-08	4.87E-09	1.95E-08
1974	564318.78	4191641.89	1.84E-07	7.09E-08	2.55E-07	2.96E-08	1.11E-08	4.07E-08	1.74E-08	7.95E-09	2.54E-08	1.45E-08	4.81E-09	1.93E-08
1975	564627.12	4191401.73	1.98E-07	7.61E-08	2.74E-07	3.17E-08	1.19E-08	4.37E-08	1.87E-08	8.54E-09	2.73E-08	1.55E-08	5.17E-09	2.07E-08
1976	564629.86	4191385.74	1.95E-07	7.50E-08	2.70E-07	3.13E-08	1.17E-08	4.30E-08	1.84E-08	8.41E-09	2.69E-08	1.53E-08	5.09E-09	2.04E-08
1977	564632.6	4191369.74	1.94E-07	7.48E-08	2.69E-07	3.12E-08	1.17E-08	4.29E-08	1.84E-08	8.39E-09	2.68E-08	1.53E-08	5.08E-09	2.03E-08
1978	564614.87	4191444.64	2.02E-07	7.75E-08	2.79E-07	3.23E-08	1.21E-08	4.45E-08	1.91E-08	8.70E-09	2.78E-08	1.58E-08	5.27E-09	2.11E-08
1979	564606.57	4191457.94	2.02E-07	7.78E-08	2.80E-07	3.24E-08	1.22E-08	4.46E-08	1.91E-08	8.73E-09	2.79E-08	1.59E-08	5.28E-09	2.11E-08
1980	564598.27	4191471.23	1.99E-07	7.66E-08	2.76E-07	3.20E-08	1.20E-08	4.40E-08	1.89E-08	8.60E-09	2.75E-08	1.56E-08	5.21E-09	2.08E-08
1981	564540.19	4191564.27	1.57E-07	6.05E-08	2.18E-07	2.52E-08	9.47E-09	3.47E-08	1.49E-08	6.78E-09	2.17E-08	1.23E-08	4.11E-09	1.64E-08
1982	564531.89	4191577.57	1.53E-07	5.87E-08	2.11E-07	2.45E-08	9.20E-09	3.37E-08	1.45E-08	6.59E-09	2.10E-08	1.20E-08	3.99E-09	1.60E-08
1983	564523.59	4191590.86	1.48E-07	5.71E-08	2.05E-07	2.38E-08	8.94E-09	3.27E-08	1.40E-08	6.40E-09	2.04E-08	1.16E-08	3.88E-09	1.55E-08
1984	564492.44	4191609.65	1.52E-07	5.86E-08	2.11E-07	2.44E-08	9.19E-09	3.36E-08	1.44E-08	6.58E-09	2.10E-08	1.20E-08	3.98E-09	1.59E-08

1985	564477.2	4191613.31	1.58E-07	6.08E-08	2.19E-07	2.53E-08	9.52E-09	3.48E-08	1.49E-08	6.82E-09	2.18E-08	1.24E-08	4.13E-09	1.65E-08
1986	564461.97	4191616.97	1.63E-07	6.27E-08	2.26E-07	2.61E-08	9.82E-09	3.60E-08	1.54E-08	7.03E-09	2.25E-08	1.28E-08	4.26E-09	1.70E-08
1987	564446.73	4191620.64	1.67E-07	6.44E-08	2.32E-07	2.68E-08	1.01E-08	3.69E-08	1.58E-08	7.22E-09	2.31E-08	1.31E-08	4.37E-09	1.75E-08
1988	564431.5	4191624.3	1.71E-07	6.57E-08	2.36E-07	2.74E-08	1.03E-08	3.77E-08	1.62E-08	7.37E-09	2.35E-08	1.34E-08	4.46E-09	1.79E-08
1989	564416.26	4191627.96	1.73E-07	6.67E-08	2.40E-07	2.78E-08	1.04E-08	3.83E-08	1.64E-08	7.48E-09	2.39E-08	1.36E-08	4.53E-09	1.81E-08
1990	564340.08	4191646.28	1.76E-07	6.77E-08	2.44E-07	2.82E-08	1.06E-08	3.88E-08	1.66E-08	7.59E-09	2.42E-08	1.38E-08	4.60E-09	1.84E-08
1991	564324.85	4191649.95	1.74E-07	6.70E-08	2.41E-07	2.79E-08	1.05E-08	3.85E-08	1.65E-08	7.52E-09	2.40E-08	1.37E-08	4.55E-09	1.82E-08
1992	564309.61	4191653.61	1.72E-07	6.61E-08	2.38E-07	2.76E-08	1.04E-08	3.79E-08	1.63E-08	7.42E-09	2.37E-08	1.35E-08	4.49E-09	1.80E-08
1993	564636.98	4191403.42	1.85E-07	7.11E-08	2.56E-07	2.96E-08	1.11E-08	4.08E-08	1.75E-08	7.97E-09	2.55E-08	1.45E-08	4.83E-09	1.93E-08
1994	564639.72	4191387.42	1.82E-07	6.99E-08	2.52E-07	2.91E-08	1.09E-08	4.01E-08	1.72E-08	7.84E-09	2.50E-08	1.43E-08	4.75E-09	1.90E-08
1995	564642.46	4191371.43	1.81E-07	6.96E-08	2.50E-07	2.90E-08	1.09E-08	3.99E-08	1.71E-08	7.81E-09	2.49E-08	1.42E-08	4.73E-09	1.89E-08
1996	564632.61	4191433.7	1.85E-07	7.11E-08	2.56E-07	2.96E-08	1.11E-08	4.08E-08	1.75E-08	7.97E-09	2.55E-08	1.45E-08	4.83E-09	1.93E-08
1997	564624.03	4191447.44	1.89E-07	7.27E-08	2.62E-07	3.03E-08	1.14E-08	4.17E-08	1.79E-08	8.16E-09	2.60E-08	1.48E-08	4.94E-09	1.98E-08
1998	564615.46	4191461.18	1.90E-07	7.30E-08	2.63E-07	3.04E-08	1.14E-08	4.19E-08	1.80E-08	8.19E-09	2.61E-08	1.49E-08	4.96E-09	1.98E-08
1999	564606.88	4191474.91	1.87E-07	7.19E-08	2.59E-07	3.00E-08	1.13E-08	4.12E-08	1.77E-08	8.07E-09	2.58E-08	1.47E-08	4.88E-09	1.95E-08
2000	564598.31	4191488.65	1.81E-07	6.98E-08	2.51E-07	2.91E-08	1.09E-08	4.00E-08	1.72E-08	7.83E-09	2.50E-08	1.42E-08	4.74E-09	1.90E-08
2001	564589.73	4191502.38	1.75E-07	6.72E-08	2.42E-07	2.80E-08	1.05E-08	3.85E-08	1.65E-08	7.54E-09	2.41E-08	1.37E-08	4.56E-09	1.83E-08
2002	564538.29	4191584.79	1.44E-07	5.53E-08	1.99E-07	2.30E-08	8.66E-09	3.17E-08	1.36E-08	6.20E-09	1.98E-08	1.13E-08	3.75E-09	1.50E-08
2003	564529.71	4191598.53	1.40E-07	5.37E-08	1.93E-07	2.24E-08	8.42E-09	3.08E-08	1.32E-08	6.03E-09	1.93E-08	1.10E-08	3.65E-09	1.46E-08
2004	564513.27	4191614.16	1.38E-07	5.31E-08	1.91E-07	2.21E-08	8.32E-09	3.05E-08	1.31E-08	5.96E-09	1.90E-08	1.08E-08	3.61E-09	1.44E-08
2005	564497.52	4191617.94	1.43E-07	5.51E-08	1.98E-07	2.30E-08	8.63E-09	3.16E-08	1.36E-08	6.18E-09	1.97E-08	1.12E-08	3.74E-09	1.50E-08
2006	564481.78	4191621.73	1.48E-07	5.71E-08	2.06E-07	2.38E-08	8.95E-09	3.28E-08	1.41E-08	6.41E-09	2.05E-08	1.16E-08	3.88E-09	1.55E-08
2007	564466.04	4191625.52	1.53E-07	5.90E-08	2.12E-07	2.46E-08	9.24E-09	3.38E-08	1.45E-08	6.62E-09	2.11E-08	1.20E-08	4.01E-09	1.60E-08
2008	564450.29	4191629.3	1.57E-07	6.06E-08	2.18E-07	2.53E-08	9.49E-09	3.47E-08	1.49E-08	6.80E-09	2.17E-08	1.24E-08	4.12E-09	1.65E-08
2009	564434.55	4191633.09	1.61E-07	6.18E-08	2.23E-07	2.58E-08	9.69E-09	3.55E-08	1.52E-08	6.94E-09	2.22E-08	1.26E-08	4.20E-09	1.68E-08
2010	564418.81	4191636.87	1.63E-07	6.28E-08	2.26E-07	2.62E-08	9.83E-09	3.60E-08	1.54E-08	7.04E-09	2.25E-08	1.28E-08	4.26E-09	1.71E-08
2011	564340.09	4191655.8	1.66E-07	6.38E-08	2.29E-07	2.66E-08	9.99E-09	3.66E-08	1.57E-08	7.15E-09	2.28E-08	1.30E-08	4.33E-09	1.73E-08
2012	564324.35	4191659.59	1.64E-07	6.31E-08	2.27E-07	2.63E-08	9.89E-09	3.62E-08	1.55E-08	7.08E-09	2.26E-08	1.29E-08	4.29E-09	1.72E-08
2013	564646.84	4191405.11	1.73E-07	6.64E-08	2.39E-07	2.77E-08	1.04E-08	3.81E-08	1.63E-08	7.45E-09	2.38E-08	1.35E-08	4.51E-09	1.81E-08
2014	564649.58	4191389.11	1.70E-07	6.53E-08	2.35E-07	2.72E-08	1.02E-08	3.75E-08	1.61E-08	7.33E-09	2.34E-08	1.33E-08	4.44E-09	1.78E-08
2015	564652.32	4191373.12	1.69E-07	6.49E-08	2.34E-07	2.71E-08	1.02E-08	3.72E-08	1.60E-08	7.28E-09	2.32E-08	1.32E-08	4.41E-09	1.76E-08

			T2		T2L3		T4i		T4f	
			1162	########						
			2.43E-03	9.34E-04	3.90E-04	1.46E-04		1.05E-04	1.90E-04	6.35E-05
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	564348.44	4191310.91	1.45E-01	5.58E-02	2.33E-02	8.75E-03	1.37E-02	6.26E-03	1.14E-02	3.79E-03
2	564338.61	4191309.25	9.32E-02	3.59E-02	1.49E-02	5.62E-03	8.82E-03	4.02E-03	7.31E-03	2.44E-03
3	564328.78	4191307.59	4.78E-02	1.84E-02	7.66E-03	2.88E-03	4.52E-03	2.06E-03	3.75E-03	1.25E-03
4	564318.95	4191305.93	2.72E-02	1.05E-02	4.37E-03	1.64E-03	2.58E-03	1.18E-03	2.14E-03	7.12E-04
5	564356.59	4191305.12	1.28E-01	4.94E-02	2.06E-02	7.74E-03	1.22E-02	5.54E-03	1.01E-02	3.36E-03
6	564364.78	4191316.67	1.83E-01	7.03E-02	2.93E-02	1.10E-02	1.73E-02	7.88E-03	1.43E-02	4.77E-03
7	564340.27	4191299.39	6.68E-02	2.57E-02	1.07E-02	4.03E-03	6.33E-03	2.88E-03	5.24E-03	1.75E-03
8	564330.44	4191297.73	4.07E-02	1.56E-02	6.52E-03	2.45E-03	3.85E-03	1.76E-03	3.19E-03	1.06E-03
9	564320.61	4191296.07	2.43E-02	9.34E-03	3.89E-03	1.46E-03	2.30E-03	1.05E-03	1.90E-03	6.34E-04
10	564358.26	4191295.26	7.88E-02	3.03E-02	1.26E-02	4.75E-03	7.46E-03	3.40E-03	6.18E-03	2.06E-03
11	564372.94	4191310.89	1.42E-01	5.46E-02	2.28E-02	8.56E-03	1.34E-02	6.13E-03	1.11E-02	3.71E-03
12	564341.94	4191289.53	4.61E-02	1.77E-02	7.39E-03	2.78E-03	4.36E-03	1.99E-03	3.61E-03	1.20E-03
13	564332.11	4191287.87	3.20E-02	1.23E-02	5.14E-03	1.93E-03	3.03E-03	1.38E-03	2.51E-03	8.38E-04
14	564322.28	4191286.21	2.08E-02	8.00E-03	3.34E-03	1.25E-03	1.97E-03	8.98E-04	1.63E-03	5.44E-04
15	564359.92	4191285.4	5.05E-02	1.94E-02	8.10E-03	3.04E-03	4.78E-03	2.18E-03	3.96E-03	1.32E-03
16	564372.91	4191293.55	7.57E-02	2.91E-02	1.21E-02	4.56E-03	7.17E-03	3.27E-03	5.94E-03	1.98E-03
17	564381.1	4191305.1	1.06E-01	4.07E-02	1.70E-02	6.38E-03	1.00E-02	4.57E-03	8.30E-03	2.77E-03
18	564384.5	4191320.05	1.09E-01	4.20E-02	1.75E-02	6.58E-03	1.03E-02	4.71E-03	8.57E-03	2.85E-03
19	564343.6	4191279.67	3.31E-02	1.27E-02	5.31E-03	2.00E-03	3.13E-03	1.43E-03	2.60E-03	8.65E-04
20	564333.77	4191278.01	2.50E-02	9.64E-03	4.02E-03	1.51E-03	2.37E-03	1.08E-03	1.96E-03	6.55E-04
21	564323.94	4191276.35	1.76E-02	6.76E-03	2.82E-03	1.06E-03	1.66E-03	7.59E-04	1.38E-03	4.59E-04
22	564379.44	4191286.75	5.63E-02	2.17E-02	9.04E-03	3.40E-03	5.33E-03	2.43E-03	4.42E-03	1.47E-03
23	564356.76	4191261.61	2.19E-02	8.44E-03	3.52E-03	1.32E-03	2.08E-03	9.47E-04	1.72E-03	5.73E-04
24	564346.93	4191259.95	1.93E-02	7.43E-03	3.10E-03	1.16E-03	1.83E-03	8.34E-04	1.52E-03	5.05E-04
25	564337.1	4191258.29	1.61E-02	6.18E-03	2.58E-03	9.68E-04	1.52E-03	6.93E-04	1.26E-03	4.20E-04
26	564327.27	4191256.63	1.26E-02	4.83E-03	2.01E-03	7.57E-04	1.19E-03	5.42E-04	9.85E-04	3.28E-04
27	564366	4191256.5	1.99E-02	7.67E-03	3.20E-03	1.20E-03	1.89E-03	8.61E-04	1.56E-03	5.21E-04
28	564381.15	4191266.01	2.68E-02	1.03E-02	4.30E-03	1.62E-03	2.54E-03	1.16E-03	2.10E-03	7.01E-04
29	564348.6	4191250.09	1.55E-02	5.95E-03	2.48E-03	9.32E-04	1.46E-03	6.68E-04	1.21E-03	4.04E-04
30	564338.77	4191248.43	1.32E-02	5.06E-03	2.11E-03	7.93E-04	1.24E-03	5.68E-04	1.03E-03	3.44E-04
31	564328.94	4191246.77	1.07E-02	4.12E-03	1.72E-03	6.45E-04	1.01E-03	4.62E-04	8.39E-04	2.80E-04
32	564367.51	4191246.54	1.58E-02	6.08E-03	2.54E-03	9.53E-04	1.50E-03	6.82E-04	1.24E-03	4.13E-04
33	564382.35	4191255.86	2.01E-02	7.72E-03	3.22E-03	1.21E-03	1.90E-03	8.66E-04	1.57E-03	5.25E-04
34	564350.26	4191240.23	1.26E-02	4.85E-03	2.02E-03	7.60E-04	1.19E-03	5.44E-04	9.89E-04	3.29E-04
35	564340.43	4191238.57	1.09E-02	4.21E-03	1.76E-03	6.59E-04	1.04E-03	4.72E-04	8.58E-04	2.86E-04
36	564330.6	4191236.91	9.19E-03	3.54E-03	1.47E-03	5.54E-04	8.70E-04	3.97E-04	7.21E-04	2.40E-04
37	564370.1	4191237.27	1.31E-02	5.03E-03	2.10E-03	7.89E-04	1.24E-03	5.65E-04	1.03E-03	3.42E-04
38	564378.45	4191242.51	1.46E-02	5.63E-03	2.35E-03	8.82E-04	1.39E-03	6.32E-04	1.15E-03	3.83E-04
39	564386.8	4191247.75	1.64E-02	6.32E-03	2.63E-03	9.90E-04	1.55E-03	7.09E-04	1.29E-03	4.29E-04
40	564431.11	4191316.75	3.30E-02	1.27E-02	5.29E-03	1.99E-03	3.12E-03	1.42E-03	2.59E-03	8.62E-04
41	564433.29	4191326.36	2.58E-02	9.92E-03	4.13E-03	1.55E-03	2.44E-03	1.11E-03	2.02E-03	6.74E-04
42	564361.76	4191232.03	1.15E-02	4.42E-03	1.84E-03	6.93E-04	1.09E-03	4.96E-04	9.02E-04	3.01E-04
43	564351.93	4191230.37	1.04E-02	4.02E-03	1.68E-03	6.29E-04	9.88E-04	4.51E-04	8.19E-04	2.73E-04
44	564342.1	4191228.71	9.24E-03	3.56E-03	1.48E-03	5.57E-04	8.75E-04	3.99E-04	7.25E-04	2.42E-04
45	564332.27	4191227.05	7.96E-03	3.06E-03	1.28E-03	4.80E-04	7.54E-04	3.44E-04	6.25E-04	2.08E-04
46	564371.54	4191227.26	1.09E-02	4.18E-03	1.74E-03	6.55E-04	1.03E-03	4.69E-04	8.52E-04	2.84E-04
47	564379.65	4191232.35	1.20E-02	4.61E-03	1.92E-03	7.21E-04	1.13E-03	5.17E-04	9.39E-04	3.13E-04
48	564387.76	4191237.45	1.31E-02	5.05E-03	2.11E-03	7.91E-04	1.24E-03	5.66E-04	1.03E-03	3.43E-04
49	564436.84	4191300.29	3.35E-02	1.29E-02	5.38E-03	2.02E-03	3.17E-03	1.45E-03	2.63E-03	8.76E-04

50	564438.96	4191309.63	3.07E-02	1.18E-02	4.92E-03	1.85E-03	2.91E-03	1.32E-03	2.41E-03	8.02E-04
51	564441.08	4191318.97	2.55E-02	9.81E-03	4.09E-03	1.54E-03	2.41E-03	1.10E-03	2.00E-03	6.66E-04
52	564443.21	4191328.32	1.97E-02	7.60E-03	3.17E-03	1.19E-03	1.87E-03	8.52E-04	1.55E-03	5.16E-04
53	564363.42	4191222.17	9.67E-03	3.72E-03	1.55E-03	5.83E-04	9.15E-04	4.17E-04	7.58E-04	2.53E-04
54	564353.59	4191220.51	8.84E-03	3.40E-03	1.42E-03	5.33E-04	8.37E-04	3.82E-04	6.94E-04	2.31E-04
55	564343.76	4191218.85	7.93E-03	3.05E-03	1.27E-03	4.78E-04	7.50E-04	3.42E-04	6.22E-04	2.07E-04
56	564333.93	4191217.19	6.93E-03	2.67E-03	1.11E-03	4.18E-04	6.56E-04	2.99E-04	5.44E-04	1.81E-04
57	564373.02	4191217.29	9.18E-03	3.53E-03	1.47E-03	5.54E-04	8.69E-04	3.96E-04	7.20E-04	2.40E-04
58	564380.95	4191222.27	1.00E-02	3.86E-03	1.61E-03	6.04E-04	9.48E-04	4.32E-04	7.86E-04	2.62E-04
59	564388.89	4191227.25	1.08E-02	4.16E-03	1.74E-03	6.52E-04	1.02E-03	4.67E-04	8.49E-04	2.83E-04
60	564438.57	4191266.27	2.10E-02	8.06E-03	3.36E-03	1.26E-03	1.98E-03	9.04E-04	1.64E-03	5.48E-04
61	564446.88	4191302.81	2.77E-02	1.06E-02	4.44E-03	1.67E-03	2.62E-03	1.19E-03	2.17E-03	7.23E-04
62	564448.96	4191311.94	2.43E-02	9.34E-03	3.89E-03	1.46E-03	2.30E-03	1.05E-03	1.90E-03	6.35E-04
63	564451.04	4191321.08	1.97E-02	7.57E-03	3.16E-03	1.19E-03	1.86E-03	8.50E-04	1.54E-03	5.14E-04
64	564453.11	4191330.21	1.53E-02	5.88E-03	2.45E-03	9.21E-04	1.45E-03	6.60E-04	1.20E-03	3.99E-04
65	564365.09	4191212.31	8.27E-03	3.18E-03	1.33E-03	4.99E-04	7.83E-04	3.57E-04	6.49E-04	2.16E-04
66	564355.26	4191210.65	7.63E-03	2.93E-03	1.22E-03	4.60E-04	7.22E-04	3.29E-04	5.98E-04	1.99E-04
67	564345.43	4191208.99	6.89E-03	2.65E-03	1.11E-03	4.15E-04	6.52E-04	2.98E-04	5.41E-04	1.80E-04
68	564335.6	4191207.33	6.10E-03	2.35E-03	9.78E-04	3.67E-04	5.77E-04	2.63E-04	4.78E-04	1.59E-04
69	564374.54	4191207.34	7.88E-03	3.03E-03	1.26E-03	4.75E-04	7.46E-04	3.40E-04	6.18E-04	2.06E-04
70	564382.33	4191212.23	8.53E-03	3.28E-03	1.37E-03	5.14E-04	8.08E-04	3.68E-04	6.69E-04	2.23E-04
71	564390.12	4191217.12	9.13E-03	3.51E-03	1.46E-03	5.50E-04	8.64E-04	3.94E-04	7.16E-04	2.39E-04
72	564397.91	4191222.01	9.72E-03	3.74E-03	1.56E-03	5.86E-04	9.20E-04	4.19E-04	7.62E-04	2.54E-04
73	564436.86	4191246.46	1.44E-02	5.54E-03	2.31E-03	8.67E-04	1.36E-03	6.21E-04	1.13E-03	3.76E-04
74	564446.69	4191260.32	1.76E-02	6.79E-03	2.83E-03	1.06E-03	1.67E-03	7.61E-04	1.38E-03	4.61E-04
75	564448.73	4191269.29	2.03E-02	7.80E-03	3.25E-03	1.22E-03	1.92E-03	8.75E-04	1.59E-03	5.30E-04
76	564456.89	4191305.16	2.25E-02	8.66E-03	3.61E-03	1.36E-03	2.13E-03	9.71E-04	1.77E-03	5.88E-04
77	564458.93	4191314.13	1.91E-02	7.37E-03	3.07E-03	1.15E-03	1.81E-03	8.26E-04	1.50E-03	5.00E-04
78	564463.01	4191332.07	1.21E-02	4.65E-03	1.94E-03	7.28E-04	1.14E-03	5.21E-04	9.48E-04	3.16E-04
79	564366.75	4191202.45	7.16E-03	2.76E-03	1.15E-03	4.32E-04	6.78E-04	3.09E-04	5.62E-04	1.87E-04
80	564356.92	4191200.79	6.65E-03	2.56E-03	1.07E-03	4.01E-04	6.30E-04	2.87E-04	5.22E-04	1.74E-04
81	564347.09	4191199.13	6.06E-03	2.33E-03	9.72E-04	3.65E-04	5.73E-04	2.61E-04	4.75E-04	1.58E-04
82	564337.26	4191197.47	5.41E-03	2.08E-03	8.68E-04	3.26E-04	5.12E-04	2.33E-04	4.24E-04	1.41E-04
83	564376.86	4191197.88	6.89E-03	2.65E-03	1.11E-03	4.15E-04	6.53E-04	2.98E-04	5.41E-04	1.80E-04
84	564385.29	4191203.18	7.47E-03	2.87E-03	1.20E-03	4.50E-04	7.07E-04	3.22E-04	5.86E-04	1.95E-04
85	564393.73	4191208.48	7.97E-03	3.07E-03	1.28E-03	4.80E-04	7.54E-04	3.44E-04	6.25E-04	2.08E-04
86	564444.37	4191240.27	1.24E-02	4.78E-03	1.99E-03	7.49E-04	1.18E-03	5.36E-04	9.75E-04	3.25E-04
87	564455.02	4191255.28	1.53E-02	5.87E-03	2.45E-03	9.19E-04	1.44E-03	6.58E-04	1.20E-03	3.99E-04
88	564457.23	4191265	1.76E-02	6.76E-03	2.82E-03	1.06E-03	1.66E-03	7.58E-04	1.38E-03	4.59E-04
89	564459.44	4191274.71	1.98E-02	7.61E-03	3.17E-03	1.19E-03	1.87E-03	8.54E-04	1.55E-03	5.17E-04
90	564466.06	4191303.86	1.93E-02	7.41E-03	3.09E-03	1.16E-03	1.82E-03	8.32E-04	1.51E-03	5.04E-04
91	564468.27	4191313.58	1.61E-02	6.21E-03	2.59E-03	9.73E-04	1.53E-03	6.96E-04	1.27E-03	4.22E-04
92	564470.48	4191323.29	1.28E-02	4.91E-03	2.05E-03	7.69E-04	1.21E-03	5.51E-04	1.00E-03	3.34E-04
93	564472.69	4191333.01	9.96E-03	3.83E-03	1.60E-03	6.01E-04	9.43E-04	4.30E-04	7.82E-04	2.60E-04
94	564368.42	4191192.58	6.27E-03	2.41E-03	1.01E-03	3.78E-04	5.94E-04	2.71E-04	4.92E-04	1.64E-04
95	564358.59	4191190.92	5.86E-03	2.25E-03	9.40E-04	3.53E-04	5.55E-04	2.53E-04	4.60E-04	1.53E-04
96	564348.76	4191189.26	5.38E-03	2.07E-03	8.63E-04	3.24E-04	5.09E-04	2.32E-04	4.22E-04	1.41E-04
97	564338.93	4191187.6	4.86E-03	1.87E-03	7.79E-04	2.93E-04	4.60E-04	2.10E-04	3.81E-04	1.27E-04
98	564378.34	4191187.91	6.04E-03	2.32E-03	9.69E-04	3.64E-04	5.72E-04	2.61E-04	4.74E-04	1.58E-04
99	564386.61	4191193.1	6.51E-03	2.50E-03	1.04E-03	3.92E-04	6.16E-04	2.81E-04	5.11E-04	1.70E-04
100	564394.87	4191198.28	6.91E-03	2.66E-03	1.11E-03	4.16E-04	6.54E-04	2.98E-04	5.42E-04	1.81E-04
101	564444.44	4191229.4	1.02E-02	3.94E-03	1.64E-03	6.17E-04	9.68E-04	4.42E-04	8.03E-04	2.67E-04
102	564452.7	4191234.59	1.10E-02	4.21E-03	1.76E-03	6.60E-04	1.04E-03	4.73E-04	8.59E-04	2.86E-04

103	564463.13	4191249.29	1.32E-02	5.07E-03	2.11E-03	7.94E-04	1.25E-03	5.69E-04	1.03E-03	3.44E-04
104	564465.29	4191258.8	1.50E-02	5.76E-03	2.40E-03	9.02E-04	1.42E-03	6.46E-04	1.17E-03	3.91E-04
105	564467.45	4191268.31	1.68E-02	6.47E-03	2.70E-03	1.01E-03	1.59E-03	7.26E-04	1.32E-03	4.39E-04
106	564476.11	4191306.36	1.56E-02	6.02E-03	2.51E-03	9.43E-04	1.48E-03	6.75E-04	1.23E-03	4.09E-04
107	564478.27	4191315.88	1.29E-02	4.96E-03	2.07E-03	7.76E-04	1.22E-03	5.56E-04	1.01E-03	3.37E-04
108	564480.43	4191325.39	1.02E-02	3.94E-03	1.64E-03	6.17E-04	9.69E-04	4.42E-04	8.03E-04	2.67E-04
109	564482.6	4191334.9	8.17E-03	3.14E-03	1.31E-03	4.92E-04	7.73E-04	3.53E-04	6.41E-04	2.13E-04
110	564370.08	4191182.72	5.54E-03	2.13E-03	8.89E-04	3.34E-04	5.24E-04	2.39E-04	4.35E-04	1.45E-04
111	564360.25	4191181.06	5.20E-03	2.00E-03	8.35E-04	3.14E-04	4.92E-04	2.25E-04	4.08E-04	1.36E-04
112	564350.42	4191179.4	4.81E-03	1.85E-03	7.72E-04	2.90E-04	4.56E-04	2.08E-04	3.78E-04	1.26E-04
113	564340.59	4191177.74	4.39E-03	1.69E-03	7.04E-04	2.64E-04	4.15E-04	1.89E-04	3.44E-04	1.15E-04
114	564379.86	4191177.96	5.34E-03	2.05E-03	8.57E-04	3.22E-04	5.06E-04	2.30E-04	4.19E-04	1.40E-04
115	564387.98	4191183.05	5.73E-03	2.21E-03	9.19E-04	3.45E-04	5.43E-04	2.47E-04	4.50E-04	1.50E-04
116	564396.09	4191188.15	6.07E-03	2.34E-03	9.74E-04	3.66E-04	5.75E-04	2.62E-04	4.76E-04	1.59E-04
117	564444.78	4191218.71	8.51E-03	3.27E-03	1.37E-03	5.13E-04	8.06E-04	3.67E-04	6.68E-04	2.22E-04
118	564452.89	4191223.8	9.16E-03	3.52E-03	1.47E-03	5.52E-04	8.67E-04	3.95E-04	7.19E-04	2.39E-04
119	564461.01	4191228.9	9.74E-03	3.75E-03	1.56E-03	5.87E-04	9.22E-04	4.21E-04	7.64E-04	2.55E-04
120	564471.25	4191243.34	1.15E-02	4.44E-03	1.85E-03	6.95E-04	1.09E-03	4.98E-04	9.05E-04	3.01E-04
121	564473.37	4191252.68	1.29E-02	4.98E-03	2.08E-03	7.80E-04	1.22E-03	5.59E-04	1.02E-03	3.38E-04
122	564475.49	4191262.02	1.44E-02	5.55E-03	2.31E-03	8.69E-04	1.36E-03	6.22E-04	1.13E-03	3.77E-04
123	564477.62	4191271.36	1.57E-02	6.06E-03	2.53E-03	9.49E-04	1.49E-03	6.80E-04	1.24E-03	4.12E-04
124	564486.12	4191308.73	1.27E-02	4.90E-03	2.04E-03	7.67E-04	1.20E-03	5.49E-04	9.98E-04	3.33E-04
125	564488.24	4191318.07	1.04E-02	4.00E-03	1.67E-03	6.27E-04	9.85E-04	4.49E-04	8.16E-04	2.72E-04
126	564490.37	4191327.42	8.35E-03	3.21E-03	1.34E-03	5.03E-04	7.90E-04	3.60E-04	6.55E-04	2.18E-04
127	564492.49	4191336.76	6.82E-03	2.62E-03	1.09E-03	4.11E-04	6.45E-04	2.94E-04	5.35E-04	1.78E-04
128	564371.75	4191172.86	4.93E-03	1.90E-03	7.91E-04	2.97E-04	4.67E-04	2.13E-04	3.87E-04	1.29E-04
129	564361.92	4191171.2	4.65E-03	1.79E-03	7.47E-04	2.81E-04	4.41E-04	2.01E-04	3.65E-04	1.22E-04
130	564352.09	4191169.54	4.34E-03	1.67E-03	6.95E-04	2.61E-04	4.10E-04	1.87E-04	3.40E-04	1.13E-04
131	564342.26	4191167.88	3.98E-03	1.53E-03	6.39E-04	2.40E-04	3.77E-04	1.72E-04	3.13E-04	1.04E-04
132	564405.37	4191183.07	5.64E-03	2.17E-03	9.04E-04	3.40E-04	5.34E-04	2.43E-04	4.42E-04	1.47E-04
133	564445.32	4191208.14	7.17E-03	2.76E-03	1.15E-03	4.32E-04	6.79E-04	3.10E-04	5.63E-04	1.87E-04
134	564453.31	4191213.16	7.71E-03	2.97E-03	1.24E-03	4.65E-04	7.30E-04	3.33E-04	6.05E-04	2.02E-04
135	564461.3	4191218.18	8.24E-03	3.17E-03	1.32E-03	4.97E-04	7.80E-04	3.56E-04	6.47E-04	2.15E-04
136	564469.29	4191223.19	8.73E-03	3.36E-03	1.40E-03	5.26E-04	8.26E-04	3.77E-04	6.85E-04	2.28E-04
137	564479.37	4191237.41	1.02E-02	3.91E-03	1.63E-03	6.13E-04	9.63E-04	4.39E-04	7.98E-04	2.66E-04
138	564481.46	4191246.6	1.13E-02	4.35E-03	1.82E-03	6.82E-04	1.07E-03	4.88E-04	8.88E-04	2.96E-04
139	564483.55	4191255.8	1.25E-02	4.81E-03	2.00E-03	7.53E-04	1.18E-03	5.39E-04	9.80E-04	3.26E-04
140	564485.64	4191265	1.37E-02	5.26E-03	2.19E-03	8.23E-04	1.29E-03	5.90E-04	1.07E-03	3.57E-04
141	564487.74	4191274.2	1.45E-02	5.57E-03	2.32E-03	8.72E-04	1.37E-03	6.24E-04	1.13E-03	3.78E-04
142	564496.1	4191311	1.04E-02	4.00E-03	1.67E-03	6.27E-04	9.85E-04	4.49E-04	8.16E-04	2.72E-04
143	564498.2	4191320.19	8.50E-03	3.27E-03	1.36E-03	5.12E-04	8.05E-04	3.67E-04	6.67E-04	2.22E-04
144	564500.29	4191329.39	6.92E-03	2.66E-03	1.11E-03	4.17E-04	6.55E-04	2.99E-04	5.43E-04	1.81E-04
145	564502.38	4191338.59	5.78E-03	2.22E-03	9.27E-04	3.48E-04	5.47E-04	2.49E-04	4.53E-04	1.51E-04
146	564382.96	4191158.09	4.27E-03	1.64E-03	6.85E-04	2.58E-04	4.04E-04	1.84E-04	3.35E-04	1.12E-04
147	564390.84	4191163.04	4.55E-03	1.75E-03	7.30E-04	2.74E-04	4.31E-04	1.96E-04	3.57E-04	1.19E-04
148	564446.02	4191197.68	6.14E-03	2.36E-03	9.85E-04	3.70E-04	5.81E-04	2.65E-04	4.82E-04	1.61E-04
149	564453.9	4191202.63	6.56E-03	2.53E-03	1.05E-03	3.96E-04	6.21E-04	2.83E-04	5.15E-04	1.72E-04
150	564461.79	4191207.58	7.01E-03	2.70E-03	1.12E-03	4.23E-04	6.64E-04	3.03E-04	5.50E-04	1.83E-04
151	564469.67	4191212.53	7.45E-03	2.87E-03	1.20E-03	4.49E-04	7.05E-04	3.22E-04	5.85E-04	1.95E-04
152	564477.55	4191217.47	7.83E-03	3.01E-03	1.26E-03	4.72E-04	7.41E-04	3.38E-04	6.14E-04	2.05E-04
153	564487.5	4191231.5	9.03E-03	3.47E-03	1.45E-03	5.44E-04	8.55E-04	3.90E-04	7.08E-04	2.36E-04
154	564489.56	4191240.57	9.98E-03	3.84E-03	1.60E-03	6.01E-04	9.45E-04	4.31E-04	7.83E-04	2.61E-04
155	564491.63	4191249.65	1.10E-02	4.22E-03	1.76E-03	6.61E-04	1.04E-03	4.73E-04	8.60E-04	2.87E-04

156	564493.69	4191258.72	1.19E-02	4.59E-03	1.91E-03	7.19E-04	1.13E-03	5.15E-04	9.35E-04	3.12E-04
157	564495.75	4191267.8	1.27E-02	4.90E-03	2.04E-03	7.67E-04	1.20E-03	5.49E-04	9.99E-04	3.33E-04
158	564497.82	4191276.88	1.31E-02	5.03E-03	2.10E-03	7.88E-04	1.24E-03	5.64E-04	1.03E-03	3.42E-04
159	564506.07	4191313.18	8.57E-03	3.30E-03	1.37E-03	5.16E-04	8.11E-04	3.70E-04	6.72E-04	2.24E-04
160	564508.14	4191322.25	7.04E-03	2.71E-03	1.13E-03	4.24E-04	6.66E-04	3.04E-04	5.52E-04	1.84E-04
161	564510.2	4191331.33	5.81E-03	2.24E-03	9.33E-04	3.50E-04	5.50E-04	2.51E-04	4.56E-04	1.52E-04
162	564512.26	4191340.4	4.94E-03	1.90E-03	7.93E-04	2.98E-04	4.68E-04	2.13E-04	3.88E-04	1.29E-04
163	564375.08	4191153.14	3.98E-03	1.53E-03	6.38E-04	2.40E-04	3.76E-04	1.72E-04	3.12E-04	1.04E-04
164	564365.25	4191151.48	3.79E-03	1.46E-03	6.07E-04	2.28E-04	3.58E-04	1.63E-04	2.97E-04	9.90E-05
165	564355.42	4191149.82	3.57E-03	1.37E-03	5.73E-04	2.15E-04	3.38E-04	1.54E-04	2.80E-04	9.34E-05
166	564345.59	4191148.16	3.33E-03	1.28E-03	5.34E-04	2.01E-04	3.15E-04	1.44E-04	2.61E-04	8.71E-05
167	564385.09	4191148.52	3.87E-03	1.49E-03	6.21E-04	2.33E-04	3.66E-04	1.67E-04	3.04E-04	1.01E-04
168	564393.44	4191153.76	4.13E-03	1.59E-03	6.63E-04	2.49E-04	3.91E-04	1.78E-04	3.24E-04	1.08E-04
169	564451.86	4191190.44	5.55E-03	2.14E-03	8.91E-04	3.35E-04	5.26E-04	2.40E-04	4.36E-04	1.45E-04
170	564460.21	4191195.68	5.92E-03	2.28E-03	9.49E-04	3.57E-04	5.60E-04	2.55E-04	4.64E-04	1.55E-04
171	564468.55	4191200.92	6.32E-03	2.43E-03	1.01E-03	3.81E-04	5.98E-04	2.73E-04	4.96E-04	1.65E-04
172	564476.9	4191206.16	6.70E-03	2.58E-03	1.07E-03	4.04E-04	6.34E-04	2.89E-04	5.26E-04	1.75E-04
173	564485.24	4191211.4	7.02E-03	2.70E-03	1.13E-03	4.23E-04	6.64E-04	3.03E-04	5.51E-04	1.83E-04
174	564495.78	4191226.25	8.12E-03	3.13E-03	1.30E-03	4.90E-04	7.69E-04	3.51E-04	6.37E-04	2.12E-04
175	564497.96	4191235.86	8.98E-03	3.46E-03	1.44E-03	5.41E-04	8.50E-04	3.88E-04	7.05E-04	2.35E-04
176	564500.15	4191245.47	9.87E-03	3.80E-03	1.58E-03	5.95E-04	9.34E-04	4.26E-04	7.74E-04	2.58E-04
177	564502.33	4191255.07	1.07E-02	4.12E-03	1.72E-03	6.46E-04	1.01E-03	4.63E-04	8.41E-04	2.80E-04
178	564504.52	4191264.68	1.14E-02	4.40E-03	1.83E-03	6.89E-04	1.08E-03	4.93E-04	8.97E-04	2.99E-04
179	564506.7	4191274.29	1.17E-02	4.51E-03	1.88E-03	7.07E-04	1.11E-03	5.06E-04	9.20E-04	3.06E-04
180	564508.89	4191283.9	1.14E-02	4.38E-03	1.83E-03	6.87E-04	1.08E-03	4.92E-04	8.94E-04	2.98E-04
181	564515.44	4191312.73	7.51E-03	2.89E-03	1.21E-03	4.53E-04	7.11E-04	3.24E-04	5.90E-04	1.96E-04
182	564517.63	4191322.34	6.14E-03	2.36E-03	9.85E-04	3.70E-04	5.81E-04	2.65E-04	4.81E-04	1.60E-04
183	564519.81	4191331.95	5.02E-03	1.93E-03	8.05E-04	3.02E-04	4.75E-04	2.17E-04	3.94E-04	1.31E-04
184	564522	4191341.56	4.27E-03	1.64E-03	6.85E-04	2.57E-04	4.04E-04	1.84E-04	3.35E-04	1.12E-04
185	564376.74	4191143.28	3.60E-03	1.38E-03	5.77E-04	2.17E-04	3.41E-04	1.55E-04	2.82E-04	9.40E-05
186	564366.91	4191141.62	3.44E-03	1.32E-03	5.52E-04	2.07E-04	3.26E-04	1.48E-04	2.70E-04	8.99E-05
187	564357.08	4191139.96	3.26E-03	1.26E-03	5.24E-04	1.97E-04	3.09E-04	1.41E-04	2.56E-04	8.53E-05
188	564347.25	4191138.3	3.06E-03	1.18E-03	4.91E-04	1.85E-04	2.90E-04	1.32E-04	2.40E-04	8.01E-05
189	564386.63	4191138.58	3.50E-03	1.35E-03	5.62E-04	2.11E-04	3.31E-04	1.51E-04	2.75E-04	9.15E-05
190	564394.85	4191143.75	3.74E-03	1.44E-03	5.99E-04	2.25E-04	3.54E-04	1.61E-04	2.93E-04	9.76E-05
191	564477.08	4191195.37	5.78E-03	2.23E-03	9.28E-04	3.49E-04	5.48E-04	2.50E-04	4.54E-04	1.51E-04
192	564485.3	4191200.53	6.08E-03	2.34E-03	9.75E-04	3.66E-04	5.76E-04	2.62E-04	4.77E-04	1.59E-04
193	564493.52	4191205.69	6.34E-03	2.44E-03	1.02E-03	3.82E-04	6.00E-04	2.74E-04	4.98E-04	1.66E-04
194	564503.9	4191220.32	7.27E-03	2.80E-03	1.17E-03	4.38E-04	6.88E-04	3.14E-04	5.70E-04	1.90E-04
195	564506.05	4191229.79	8.02E-03	3.09E-03	1.29E-03	4.83E-04	7.59E-04	3.46E-04	6.29E-04	2.10E-04
196	564508.21	4191239.25	8.77E-03	3.37E-03	1.41E-03	5.28E-04	8.30E-04	3.78E-04	6.88E-04	2.29E-04
197	564510.36	4191248.72	9.51E-03	3.66E-03	1.52E-03	5.73E-04	9.00E-04	4.10E-04	7.46E-04	2.48E-04
198	564512.51	4191258.19	1.01E-02	3.90E-03	1.63E-03	6.11E-04	9.60E-04	4.38E-04	7.95E-04	2.65E-04
199	564514.66	4191267.65	1.05E-02	4.05E-03	1.69E-03	6.35E-04	9.97E-04	4.55E-04	8.27E-04	2.75E-04
200	564516.82	4191277.12	1.05E-02	4.03E-03	1.68E-03	6.31E-04	9.91E-04	4.52E-04	8.22E-04	2.74E-04
201	564525.43	4191314.99	6.23E-03	2.40E-03	1.00E-03	3.76E-04	5.90E-04	2.69E-04	4.89E-04	1.63E-04
202	564527.58	4191324.46	5.13E-03	1.97E-03	8.23E-04	3.09E-04	4.85E-04	2.21E-04	4.02E-04	1.34E-04
203	564529.74	4191333.92	4.29E-03	1.65E-03	6.89E-04	2.59E-04	4.06E-04	1.85E-04	3.37E-04	1.12E-04
204	564531.89	4191343.39	3.72E-03	1.43E-03	5.97E-04	2.24E-04	3.52E-04	1.61E-04	2.92E-04	9.72E-05
205	564378.41	4191133.42	3.27E-03	1.26E-03	5.25E-04	1.97E-04	3.10E-04	1.41E-04	2.57E-04	8.55E-05
206	564368.58	4191131.76	3.14E-03	1.21E-03	5.04E-04	1.89E-04	2.97E-04	1.35E-04	2.46E-04	8.20E-05
207	564358.75	4191130.1	2.99E-03	1.15E-03	4.79E-04	1.80E-04	2.83E-04	1.29E-04	2.34E-04	7.81E-05
208	564348.92	4191128.44	2.82E-03	1.08E-03	4.52E-04	1.70E-04	2.67E-04	1.22E-04	2.21E-04	7.36E-05

209	564388.19	4191128.66	3.19E-03	1.23E-03	5.12E-04	1.93E-04	3.02E-04	1.38E-04	2.51E-04	8.35E-05
210	564396.3	4191133.75	3.39E-03	1.31E-03	5.44E-04	2.05E-04	3.21E-04	1.47E-04	2.66E-04	8.87E-05
211	564453.1	4191169.41	4.34E-03	1.67E-03	6.96E-04	2.62E-04	4.11E-04	1.87E-04	3.41E-04	1.13E-04
212	564461.22	4191174.5	4.53E-03	1.74E-03	7.26E-04	2.73E-04	4.29E-04	1.95E-04	3.55E-04	1.18E-04
213	564469.33	4191179.6	4.76E-03	1.83E-03	7.64E-04	2.87E-04	4.51E-04	2.06E-04	3.74E-04	1.25E-04
214	564501.79	4191199.97	5.76E-03	2.21E-03	9.23E-04	3.47E-04	5.45E-04	2.48E-04	4.52E-04	1.50E-04
215	564512.03	4191214.41	6.54E-03	2.52E-03	1.05E-03	3.94E-04	6.19E-04	2.82E-04	5.13E-04	1.71E-04
216	564514.15	4191223.75	7.19E-03	2.77E-03	1.15E-03	4.33E-04	6.80E-04	3.10E-04	5.64E-04	1.88E-04
217	564516.28	4191233.09	7.84E-03	3.02E-03	1.26E-03	4.72E-04	7.42E-04	3.38E-04	6.15E-04	2.05E-04
218	564518.4	4191242.44	8.48E-03	3.26E-03	1.36E-03	5.11E-04	8.03E-04	3.66E-04	6.65E-04	2.22E-04
219	564520.53	4191251.78	9.05E-03	3.48E-03	1.45E-03	5.45E-04	8.56E-04	3.90E-04	7.10E-04	2.36E-04
220	564522.65	4191261.12	9.43E-03	3.63E-03	1.51E-03	5.69E-04	8.93E-04	4.07E-04	7.40E-04	2.47E-04
221	564524.78	4191270.46	9.53E-03	3.67E-03	1.53E-03	5.75E-04	9.03E-04	4.12E-04	7.48E-04	2.49E-04
222	564526.9	4191279.81	9.21E-03	3.54E-03	1.48E-03	5.55E-04	8.71E-04	3.97E-04	7.22E-04	2.41E-04
223	564535.4	4191317.18	5.26E-03	2.02E-03	8.43E-04	3.17E-04	4.98E-04	2.27E-04	4.12E-04	1.37E-04
224	564537.52	4191326.52	4.37E-03	1.68E-03	7.02E-04	2.64E-04	4.14E-04	1.89E-04	3.43E-04	1.14E-04
225	564539.65	4191335.86	3.73E-03	1.43E-03	5.98E-04	2.25E-04	3.53E-04	1.61E-04	2.92E-04	9.74E-05
226	564541.77	4191345.2	3.28E-03	1.26E-03	5.27E-04	1.98E-04	3.11E-04	1.42E-04	2.58E-04	8.58E-05
227	564380.07	4191123.56	3.00E-03	1.15E-03	4.81E-04	1.81E-04	2.84E-04	1.29E-04	2.35E-04	7.83E-05
228	564370.24	4191121.9	2.88E-03	1.11E-03	4.62E-04	1.73E-04	2.72E-04	1.24E-04	2.26E-04	7.52E-05
229	564360.41	4191120.24	2.74E-03	1.06E-03	4.40E-04	1.65E-04	2.60E-04	1.18E-04	2.15E-04	7.17E-05
230	564350.58	4191118.58	2.60E-03	9.99E-04	4.17E-04	1.57E-04	2.46E-04	1.12E-04	2.04E-04	6.79E-05
231	564389.76	4191118.74	2.93E-03	1.13E-03	4.70E-04	1.77E-04	2.77E-04	1.26E-04	2.30E-04	7.66E-05
232	564397.78	4191123.77	3.10E-03	1.19E-03	4.98E-04	1.87E-04	2.94E-04	1.34E-04	2.43E-04	8.11E-05
233	564453.91	4191159.01	3.90E-03	1.50E-03	6.25E-04	2.35E-04	3.69E-04	1.68E-04	3.06E-04	1.02E-04
234	564461.93	4191164.04	4.03E-03	1.55E-03	6.47E-04	2.43E-04	3.82E-04	1.74E-04	3.16E-04	1.05E-04
235	564469.95	4191169.08	4.21E-03	1.62E-03	6.75E-04	2.53E-04	3.98E-04	1.82E-04	3.30E-04	1.10E-04
236	564477.97	4191174.11	4.41E-03	1.70E-03	7.08E-04	2.66E-04	4.18E-04	1.90E-04	3.46E-04	1.15E-04
237	564485.98	4191179.15	4.63E-03	1.78E-03	7.43E-04	2.79E-04	4.39E-04	2.00E-04	3.64E-04	1.21E-04
238	564520.16	4191208.51	5.91E-03	2.28E-03	9.49E-04	3.56E-04	5.60E-04	2.55E-04	4.64E-04	1.55E-04
239	564522.26	4191217.75	6.47E-03	2.49E-03	1.04E-03	3.90E-04	6.12E-04	2.79E-04	5.07E-04	1.69E-04
240	564524.36	4191226.98	7.05E-03	2.71E-03	1.13E-03	4.25E-04	6.67E-04	3.04E-04	5.53E-04	1.84E-04
241	564526.46	4191236.21	7.60E-03	2.92E-03	1.22E-03	4.58E-04	7.19E-04	3.28E-04	5.96E-04	1.99E-04
242	564528.56	4191245.44	8.12E-03	3.12E-03	1.30E-03	4.89E-04	7.68E-04	3.50E-04	6.37E-04	2.12E-04
243	564530.66	4191254.68	8.49E-03	3.27E-03	1.36E-03	5.12E-04	8.03E-04	3.66E-04	6.66E-04	2.22E-04
244	564532.76	4191263.91	8.68E-03	3.34E-03	1.39E-03	5.23E-04	8.21E-04	3.75E-04	6.81E-04	2.27E-04
245	564534.86	4191273.14	8.55E-03	3.29E-03	1.37E-03	5.15E-04	8.09E-04	3.69E-04	6.71E-04	2.23E-04
246	564536.96	4191282.37	8.05E-03	3.10E-03	1.29E-03	4.85E-04	7.62E-04	3.48E-04	6.32E-04	2.10E-04
247	564545.36	4191319.3	4.48E-03	1.72E-03	7.18E-04	2.70E-04	4.24E-04	1.93E-04	3.51E-04	1.17E-04
248	564547.46	4191328.54	3.78E-03	1.45E-03	6.06E-04	2.28E-04	3.58E-04	1.63E-04	2.96E-04	9.88E-05
249	564549.55	4191337.77	3.27E-03	1.26E-03	5.25E-04	1.97E-04	3.10E-04	1.41E-04	2.57E-04	8.55E-05
250	564551.65	4191347	2.92E-03	1.13E-03	4.69E-04	1.76E-04	2.77E-04	1.26E-04	2.29E-04	7.64E-05
251	564381.74	4191113.7	2.76E-03	1.06E-03	4.42E-04	1.66E-04	2.61E-04	1.19E-04	2.16E-04	7.20E-05
252	564371.91	4191112.04	2.65E-03	1.02E-03	4.25E-04	1.60E-04	2.51E-04	1.14E-04	2.08E-04	6.93E-05
253	564362.08	4191110.38	2.53E-03	9.74E-04	4.06E-04	1.53E-04	2.40E-04	1.09E-04	1.99E-04	6.62E-05
254	564352.25	4191108.72	2.40E-03	9.23E-04	3.85E-04	1.45E-04	2.27E-04	1.04E-04	1.88E-04	6.27E-05
255	564391.8	4191109.12	2.71E-03	1.04E-03	4.34E-04	1.63E-04	2.56E-04	1.17E-04	2.12E-04	7.07E-05
256	564400.2	4191114.39	2.87E-03	1.10E-03	4.60E-04	1.73E-04	2.71E-04	1.24E-04	2.25E-04	7.49E-05
257	564450.61	4191146.03	3.49E-03	1.34E-03	5.60E-04	2.10E-04	3.30E-04	1.51E-04	2.74E-04	9.12E-05
258	564459.01	4191151.31	3.58E-03	1.38E-03	5.74E-04	2.16E-04	3.39E-04	1.54E-04	2.81E-04	9.35E-05
259	564467.41	4191156.58	3.69E-03	1.42E-03	5.93E-04	2.23E-04	3.50E-04	1.59E-04	2.90E-04	9.66E-05
260	564475.81	4191161.85	3.85E-03	1.48E-03	6.17E-04	2.32E-04	3.64E-04	1.66E-04	3.02E-04	1.01E-04
261	564484.21	4191167.13	4.03E-03	1.55E-03	6.47E-04	2.43E-04	3.82E-04	1.74E-04	3.16E-04	1.05E-04

262	564492.61	4191172.4	4.23E-03	1.63E-03	6.79E-04	2.55E-04	4.01E-04	1.83E-04	3.32E-04	1.11E-04
263	564501.02	4191177.68	4.44E-03	1.71E-03	7.12E-04	2.67E-04	4.20E-04	1.92E-04	3.48E-04	1.16E-04
264	564509.42	4191182.95	4.63E-03	1.78E-03	7.42E-04	2.79E-04	4.38E-04	2.00E-04	3.63E-04	1.21E-04
265	564528.42	4191203.17	5.40E-03	2.08E-03	8.66E-04	3.26E-04	5.11E-04	2.33E-04	4.24E-04	1.41E-04
266	564530.62	4191212.84	5.90E-03	2.27E-03	9.47E-04	3.56E-04	5.59E-04	2.55E-04	4.63E-04	1.54E-04
267	564532.82	4191222.51	6.44E-03	2.48E-03	1.03E-03	3.88E-04	6.09E-04	2.78E-04	5.05E-04	1.68E-04
268	564535.02	4191232.18	6.96E-03	2.68E-03	1.12E-03	4.20E-04	6.59E-04	3.00E-04	5.46E-04	1.82E-04
269	564537.22	4191241.86	7.44E-03	2.86E-03	1.19E-03	4.49E-04	7.05E-04	3.21E-04	5.84E-04	1.95E-04
270	564539.42	4191251.53	7.80E-03	3.00E-03	1.25E-03	4.70E-04	7.38E-04	3.37E-04	6.12E-04	2.04E-04
271	564541.61	4191261.2	7.96E-03	3.06E-03	1.28E-03	4.80E-04	7.54E-04	3.44E-04	6.25E-04	2.08E-04
272	564543.81	4191270.87	7.82E-03	3.01E-03	1.25E-03	4.71E-04	7.40E-04	3.37E-04	6.13E-04	2.04E-04
273	564546.01	4191280.55	7.32E-03	2.82E-03	1.17E-03	4.41E-04	6.93E-04	3.16E-04	5.75E-04	1.91E-04
274	564548.21	4191290.22	6.56E-03	2.52E-03	1.05E-03	3.96E-04	6.21E-04	2.83E-04	5.15E-04	1.71E-04
275	564554.81	4191319.23	4.01E-03	1.54E-03	6.43E-04	2.42E-04	3.79E-04	1.73E-04	3.14E-04	1.05E-04
276	564557.01	4191328.91	3.39E-03	1.30E-03	5.43E-04	2.04E-04	3.20E-04	1.46E-04	2.66E-04	8.85E-05
277	564559.21	4191338.58	2.94E-03	1.13E-03	4.71E-04	1.77E-04	2.78E-04	1.27E-04	2.30E-04	7.68E-05
278	564383.4	4191103.84	2.55E-03	9.80E-04	4.09E-04	1.54E-04	2.41E-04	1.10E-04	2.00E-04	6.66E-05
279	564373.57	4191102.18	2.45E-03	9.44E-04	3.93E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04	6.41E-05
280	564363.74	4191100.52	2.35E-03	9.04E-04	3.77E-04	1.42E-04	2.22E-04	1.01E-04	1.84E-04	6.14E-05
281	564353.91	4191098.86	2.23E-03	8.59E-04	3.58E-04	1.35E-04	2.11E-04	9.64E-05	1.75E-04	5.84E-05
282	564393.36	4191099.19	2.50E-03	9.62E-04	4.01E-04	1.51E-04	2.37E-04	1.08E-04	1.96E-04	6.53E-05
283	564401.66	4191104.4	2.64E-03	1.02E-03	4.23E-04	1.59E-04	2.50E-04	1.14E-04	2.07E-04	6.90E-05
284	564451.43	4191135.64	3.19E-03	1.23E-03	5.12E-04	1.93E-04	3.02E-04	1.38E-04	2.51E-04	8.35E-05
285	564459.72	4191140.85	3.26E-03	1.25E-03	5.22E-04	1.96E-04	3.08E-04	1.41E-04	2.55E-04	8.51E-05
286	564468.02	4191146.05	3.34E-03	1.28E-03	5.35E-04	2.01E-04	3.16E-04	1.44E-04	2.62E-04	8.72E-05
287	564476.31	4191151.26	3.45E-03	1.33E-03	5.53E-04	2.08E-04	3.26E-04	1.49E-04	2.70E-04	9.01E-05
288	564484.61	4191156.47	3.59E-03	1.38E-03	5.76E-04	2.16E-04	3.40E-04	1.55E-04	2.81E-04	9.38E-05
289	564492.9	4191161.68	3.75E-03	1.44E-03	6.02E-04	2.26E-04	3.55E-04	1.62E-04	2.94E-04	9.80E-05
290	564501.2	4191166.88	3.92E-03	1.51E-03	6.30E-04	2.37E-04	3.72E-04	1.69E-04	3.08E-04	1.03E-04
291	564509.49	4191172.09	4.10E-03	1.58E-03	6.57E-04	2.47E-04	3.88E-04	1.77E-04	3.22E-04	1.07E-04
292	564517.78	4191177.3	4.26E-03	1.64E-03	6.83E-04	2.57E-04	4.03E-04	1.84E-04	3.34E-04	1.11E-04
293	564526.08	4191182.5	4.40E-03	1.69E-03	7.06E-04	2.65E-04	4.16E-04	1.90E-04	3.45E-04	1.15E-04
294	564538.72	4191206.81	5.36E-03	2.06E-03	8.59E-04	3.23E-04	5.07E-04	2.31E-04	4.20E-04	1.40E-04
295	564540.89	4191216.36	5.81E-03	2.24E-03	9.33E-04	3.50E-04	5.50E-04	2.51E-04	4.56E-04	1.52E-04
296	564543.06	4191225.91	6.29E-03	2.42E-03	1.01E-03	3.79E-04	5.95E-04	2.72E-04	4.94E-04	1.64E-04
297	564545.23	4191235.46	6.73E-03	2.59E-03	1.08E-03	4.06E-04	6.37E-04	2.91E-04	5.28E-04	1.76E-04
298	564547.41	4191245.01	7.09E-03	2.73E-03	1.14E-03	4.28E-04	6.72E-04	3.06E-04	5.57E-04	1.85E-04
299	564549.58	4191254.56	7.31E-03	2.81E-03	1.17E-03	4.41E-04	6.92E-04	3.16E-04	5.74E-04	1.91E-04
300	564551.75	4191264.11	7.29E-03	2.80E-03	1.17E-03	4.39E-04	6.90E-04	3.15E-04	5.72E-04	1.91E-04
301	564553.92	4191273.66	6.97E-03	2.68E-03	1.12E-03	4.20E-04	6.60E-04	3.01E-04	5.47E-04	1.82E-04
302	564556.09	4191283.21	6.38E-03	2.46E-03	1.02E-03	3.85E-04	6.04E-04	2.75E-04	5.01E-04	1.67E-04
303	564564.78	4191321.41	3.47E-03	1.33E-03	5.56E-04	2.09E-04	3.28E-04	1.50E-04	2.72E-04	9.07E-05
304	564385.07	4191093.98	2.36E-03	9.09E-04	3.79E-04	1.42E-04	2.24E-04	1.02E-04	1.85E-04	6.17E-05
305	564375.24	4191092.32	2.28E-03	8.77E-04	3.66E-04	1.37E-04	2.16E-04	9.84E-05	1.79E-04	5.96E-05
306	564365.41	4191090.66	2.19E-03	8.42E-04	3.51E-04	1.32E-04	2.07E-04	9.45E-05	1.72E-04	5.72E-05
307	564355.58	4191089	2.09E-03	8.03E-04	3.35E-04	1.26E-04	1.98E-04	9.01E-05	1.64E-04	5.46E-05
308	564394.93	4191089.27	2.32E-03	8.91E-04	3.72E-04	1.40E-04	2.19E-04	1.00E-04	1.82E-04	6.05E-05
309	564403.13	4191094.42	2.44E-03	9.38E-04	3.91E-04	1.47E-04	2.31E-04	1.05E-04	1.91E-04	6.37E-05
310	564452.33	4191125.3	2.94E-03	1.13E-03	4.72E-04	1.77E-04	2.78E-04	1.27E-04	2.31E-04	7.68E-05
311	564460.53	4191130.45	2.99E-03	1.15E-03	4.79E-04	1.80E-04	2.83E-04	1.29E-04	2.34E-04	7.80E-05
312	564468.73	4191135.6	3.04E-03	1.17E-03	4.88E-04	1.83E-04	2.88E-04	1.31E-04	2.39E-04	7.95E-05
313	564476.93	4191140.74	3.12E-03	1.20E-03	5.00E-04	1.88E-04	2.95E-04	1.35E-04	2.45E-04	8.15E-05
314	564485.13	4191145.89	3.22E-03	1.24E-03	5.17E-04	1.94E-04	3.05E-04	1.39E-04	2.53E-04	8.42E-05

315	564493.33	4191151.04	3.35E-03	1.29E-03	5.37E-04	2.02E-04	3.17E-04	1.45E-04	2.63E-04	8.76E-05
316	564501.53	4191156.19	3.49E-03	1.34E-03	5.61E-04	2.11E-04	3.31E-04	1.51E-04	2.74E-04	9.13E-05
317	564509.73	4191161.34	3.65E-03	1.40E-03	5.85E-04	2.20E-04	3.45E-04	1.57E-04	2.86E-04	9.54E-05
318	564517.93	4191166.48	3.79E-03	1.46E-03	6.09E-04	2.29E-04	3.59E-04	1.64E-04	2.98E-04	9.92E-05
319	564526.13	4191171.63	3.93E-03	1.51E-03	6.31E-04	2.37E-04	3.72E-04	1.70E-04	3.08E-04	1.03E-04
320	564534.33	4191176.78	4.05E-03	1.56E-03	6.50E-04	2.44E-04	3.84E-04	1.75E-04	3.18E-04	1.06E-04
321	564548.97	4191210.25	5.28E-03	2.03E-03	8.47E-04	3.18E-04	5.00E-04	2.28E-04	4.14E-04	1.38E-04
322	564551.12	4191219.69	5.68E-03	2.19E-03	9.11E-04	3.42E-04	5.38E-04	2.45E-04	4.46E-04	1.48E-04
323	564553.27	4191229.13	6.09E-03	2.34E-03	9.77E-04	3.67E-04	5.77E-04	2.63E-04	4.78E-04	1.59E-04
324	564555.41	4191238.57	6.45E-03	2.48E-03	1.03E-03	3.89E-04	6.11E-04	2.78E-04	5.06E-04	1.69E-04
325	564557.56	4191248.01	6.71E-03	2.58E-03	1.08E-03	4.04E-04	6.35E-04	2.89E-04	5.26E-04	1.75E-04
326	564559.71	4191257.45	6.78E-03	2.61E-03	1.09E-03	4.09E-04	6.42E-04	2.93E-04	5.32E-04	1.77E-04
327	564561.85	4191266.89	6.60E-03	2.54E-03	1.06E-03	3.98E-04	6.24E-04	2.85E-04	5.17E-04	1.72E-04
328	564564	4191276.33	6.17E-03	2.37E-03	9.89E-04	3.72E-04	5.84E-04	2.66E-04	4.84E-04	1.61E-04
329	564566.15	4191285.77	5.55E-03	2.14E-03	8.91E-04	3.35E-04	5.26E-04	2.40E-04	4.36E-04	1.45E-04
330	564386.73	4191084.12	2.20E-03	8.45E-04	3.52E-04	1.32E-04	2.08E-04	9.48E-05	1.72E-04	5.74E-05
331	564376.9	4191082.46	2.12E-03	8.17E-04	3.41E-04	1.28E-04	2.01E-04	9.17E-05	1.67E-04	5.55E-05
332	564367.07	4191080.8	2.05E-03	7.87E-04	3.28E-04	1.23E-04	1.94E-04	8.83E-05	1.60E-04	5.35E-05
333	564357.24	4191079.14	1.96E-03	7.53E-04	3.14E-04	1.18E-04	1.85E-04	8.45E-05	1.54E-04	5.12E-05
334	564404.63	4191084.45	2.26E-03	8.69E-04	3.62E-04	1.36E-04	2.14E-04	9.75E-05	1.77E-04	5.91E-05
335	564453.31	4191115.01	2.72E-03	1.05E-03	4.36E-04	1.64E-04	2.57E-04	1.17E-04	2.13E-04	7.10E-05
336	564461.43	4191120.11	2.76E-03	1.06E-03	4.42E-04	1.66E-04	2.61E-04	1.19E-04	2.16E-04	7.20E-05
337	564469.54	4191125.2	2.80E-03	1.08E-03	4.48E-04	1.69E-04	2.65E-04	1.21E-04	2.19E-04	7.31E-05
338	564477.66	4191130.29	2.85E-03	1.10E-03	4.57E-04	1.72E-04	2.70E-04	1.23E-04	2.24E-04	7.45E-05
339	564485.77	4191135.39	2.92E-03	1.12E-03	4.69E-04	1.76E-04	2.77E-04	1.26E-04	2.29E-04	7.64E-05
340	564493.89	4191140.48	3.02E-03	1.16E-03	4.84E-04	1.82E-04	2.86E-04	1.30E-04	2.37E-04	7.89E-05
341	564502	4191145.58	3.13E-03	1.21E-03	5.03E-04	1.89E-04	2.97E-04	1.35E-04	2.46E-04	8.19E-05
342	564510.12	4191150.67	3.27E-03	1.26E-03	5.24E-04	1.97E-04	3.09E-04	1.41E-04	2.56E-04	8.54E-05
343	564518.23	4191155.76	3.40E-03	1.31E-03	5.46E-04	2.05E-04	3.22E-04	1.47E-04	2.67E-04	8.89E-05
344	564526.34	4191160.86	3.53E-03	1.36E-03	5.66E-04	2.13E-04	3.34E-04	1.52E-04	2.77E-04	9.22E-05
345	564534.46	4191165.95	3.64E-03	1.40E-03	5.84E-04	2.19E-04	3.44E-04	1.57E-04	2.85E-04	9.51E-05
346	564542.57	4191171.05	3.74E-03	1.44E-03	6.00E-04	2.26E-04	3.54E-04	1.62E-04	2.94E-04	9.78E-05
347	564552.81	4191185.48	4.11E-03	1.58E-03	6.60E-04	2.48E-04	3.90E-04	1.78E-04	3.23E-04	1.08E-04
348	564559.19	4191213.51	5.16E-03	1.99E-03	8.28E-04	3.11E-04	4.89E-04	2.23E-04	4.05E-04	1.35E-04
349	564561.31	4191222.85	5.53E-03	2.13E-03	8.87E-04	3.33E-04	5.23E-04	2.39E-04	4.34E-04	1.44E-04
350	564563.44	4191232.2	5.87E-03	2.26E-03	9.41E-04	3.54E-04	5.55E-04	2.53E-04	4.60E-04	1.53E-04
351	564565.56	4191241.54	6.13E-03	2.36E-03	9.84E-04	3.70E-04	5.81E-04	2.65E-04	4.81E-04	1.60E-04
352	564567.68	4191250.88	6.26E-03	2.41E-03	1.00E-03	3.78E-04	5.93E-04	2.70E-04	4.91E-04	1.64E-04
353	564569.81	4191260.22	6.20E-03	2.38E-03	9.94E-04	3.74E-04	5.87E-04	2.68E-04	4.86E-04	1.62E-04
354	564571.93	4191269.56	5.91E-03	2.27E-03	9.48E-04	3.56E-04	5.59E-04	2.55E-04	4.64E-04	1.54E-04
355	564588.93	4191344.3	2.14E-03	8.24E-04	3.44E-04	1.29E-04	2.03E-04	9.24E-05	1.68E-04	5.60E-05
356	564591.05	4191353.65	1.98E-03	7.63E-04	3.18E-04	1.20E-04	1.88E-04	8.56E-05	1.56E-04	5.18E-05
357	564457.58	4191106.78	2.54E-03	9.76E-04	4.07E-04	1.53E-04	2.40E-04	1.09E-04	1.99E-04	6.63E-05
358	564466.01	4191112.08	2.57E-03	9.88E-04	4.12E-04	1.55E-04	2.43E-04	1.11E-04	2.01E-04	6.71E-05
359	564474.45	4191117.38	2.60E-03	1.00E-03	4.17E-04	1.57E-04	2.46E-04	1.12E-04	2.04E-04	6.80E-05
360	564482.89	4191122.68	2.65E-03	1.02E-03	4.26E-04	1.60E-04	2.51E-04	1.15E-04	2.08E-04	6.93E-05
361	564491.33	4191127.97	2.72E-03	1.05E-03	4.36E-04	1.64E-04	2.57E-04	1.17E-04	2.13E-04	7.11E-05
362	564499.77	4191133.27	2.80E-03	1.08E-03	4.50E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04	7.32E-05
363	564508.21	4191138.57	2.91E-03	1.12E-03	4.67E-04	1.75E-04	2.75E-04	1.26E-04	2.28E-04	7.61E-05
364	564516.65	4191143.87	3.04E-03	1.17E-03	4.87E-04	1.83E-04	2.87E-04	1.31E-04	2.38E-04	7.93E-05
365	564525.09	4191149.16	3.16E-03	1.22E-03	5.07E-04	1.91E-04	2.99E-04	1.36E-04	2.48E-04	8.26E-05
366	564533.53	4191154.46	3.28E-03	1.26E-03	5.26E-04	1.98E-04	3.10E-04	1.42E-04	2.57E-04	8.57E-05
367	564541.97	4191159.76	3.38E-03	1.30E-03	5.42E-04	2.04E-04	3.20E-04	1.46E-04	2.65E-04	8.83E-05

368	564550.41	4191165.06	3.46E-03	1.33E-03	5.56E-04	2.09E-04	3.28E-04	1.50E-04	2.72E-04	9.05E-05
369	564561.05	4191180.07	3.80E-03	1.46E-03	6.10E-04	2.29E-04	3.60E-04	1.64E-04	2.98E-04	9.94E-05
370	564563.26	4191189.79	4.11E-03	1.58E-03	6.60E-04	2.48E-04	3.89E-04	1.77E-04	3.23E-04	1.07E-04
371	564569.89	4191218.94	5.11E-03	1.97E-03	8.20E-04	3.08E-04	4.84E-04	2.21E-04	4.01E-04	1.34E-04
372	564572.1	4191228.65	5.43E-03	2.09E-03	8.70E-04	3.27E-04	5.14E-04	2.34E-04	4.26E-04	1.42E-04
373	564574.31	4191238.37	5.67E-03	2.18E-03	9.10E-04	3.42E-04	5.37E-04	2.45E-04	4.45E-04	1.48E-04
374	564576.52	4191248.08	5.79E-03	2.23E-03	9.28E-04	3.49E-04	5.48E-04	2.50E-04	4.54E-04	1.51E-04
375	564594.2	4191325.81	2.45E-03	9.41E-04	3.92E-04	1.47E-04	2.31E-04	1.06E-04	1.92E-04	6.39E-05
376	564596.41	4191335.53	2.16E-03	8.33E-04	3.47E-04	1.30E-04	2.05E-04	9.34E-05	1.70E-04	5.66E-05
377	564598.62	4191345.25	1.96E-03	7.55E-04	3.15E-04	1.18E-04	1.86E-04	8.47E-05	1.54E-04	5.13E-05
378	564600.83	4191354.96	1.82E-03	7.00E-04	2.92E-04	1.10E-04	1.72E-04	7.85E-05	1.43E-04	4.76E-05
379	564370.4	4191061.08	1.80E-03	6.92E-04	2.89E-04	1.08E-04	1.70E-04	7.77E-05	1.41E-04	4.70E-05
380	564360.57	4191059.42	1.73E-03	6.66E-04	2.78E-04	1.04E-04	1.64E-04	7.47E-05	1.36E-04	4.52E-05
381	564400.07	4191059.78	1.88E-03	7.22E-04	3.01E-04	1.13E-04	1.78E-04	8.10E-05	1.47E-04	4.91E-05
382	564408.42	4191065.02	1.97E-03	7.57E-04	3.15E-04	1.19E-04	1.86E-04	8.49E-05	1.54E-04	5.14E-05
383	564458.5	4191096.46	2.37E-03	9.11E-04	3.80E-04	1.43E-04	2.24E-04	1.02E-04	1.86E-04	6.19E-05
384	564466.85	4191101.7	2.39E-03	9.20E-04	3.84E-04	1.44E-04	2.26E-04	1.03E-04	1.88E-04	6.25E-05
385	564475.19	4191106.94	2.41E-03	9.29E-04	3.87E-04	1.46E-04	2.29E-04	1.04E-04	1.89E-04	6.31E-05
386	564483.54	4191112.17	2.45E-03	9.44E-04	3.94E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04	6.41E-05
387	564491.88	4191117.41	2.50E-03	9.63E-04	4.01E-04	1.51E-04	2.37E-04	1.08E-04	1.96E-04	6.54E-05
388	564500.23	4191122.65	2.57E-03	9.87E-04	4.12E-04	1.55E-04	2.43E-04	1.11E-04	2.01E-04	6.71E-05
389	564508.58	4191127.89	2.65E-03	1.02E-03	4.25E-04	1.60E-04	2.51E-04	1.14E-04	2.08E-04	6.92E-05
390	564516.92	4191133.13	2.75E-03	1.06E-03	4.41E-04	1.66E-04	2.60E-04	1.19E-04	2.16E-04	7.18E-05
391	564525.27	4191138.37	2.86E-03	1.10E-03	4.59E-04	1.72E-04	2.71E-04	1.23E-04	2.24E-04	7.47E-05
392	564533.62	4191143.61	2.97E-03	1.14E-03	4.76E-04	1.79E-04	2.81E-04	1.28E-04	2.33E-04	7.76E-05
393	564541.96	4191148.85	3.07E-03	1.18E-03	4.92E-04	1.85E-04	2.90E-04	1.32E-04	2.40E-04	8.01E-05
394	564550.31	4191154.09	3.15E-03	1.21E-03	5.06E-04	1.90E-04	2.98E-04	1.36E-04	2.47E-04	8.24E-05
395	564558.65	4191159.33	3.20E-03	1.23E-03	5.13E-04	1.93E-04	3.03E-04	1.38E-04	2.51E-04	8.36E-05
396	564569.19	4191174.18	3.52E-03	1.35E-03	5.65E-04	2.12E-04	3.33E-04	1.52E-04	2.76E-04	9.20E-05
397	564571.37	4191183.79	3.79E-03	1.46E-03	6.08E-04	2.29E-04	3.59E-04	1.64E-04	2.97E-04	9.91E-05
398	564573.56	4191193.4	4.07E-03	1.57E-03	6.53E-04	2.45E-04	3.85E-04	1.76E-04	3.19E-04	1.06E-04
399	564577.93	4191212.62	4.67E-03	1.80E-03	7.48E-04	2.81E-04	4.42E-04	2.01E-04	3.66E-04	1.22E-04
400	564580.11	4191222.23	4.95E-03	1.91E-03	7.94E-04	2.98E-04	4.69E-04	2.14E-04	3.88E-04	1.29E-04
401	564591.04	4191270.27	4.87E-03	1.88E-03	7.82E-04	2.94E-04	4.61E-04	2.10E-04	3.82E-04	1.27E-04
402	564593.22	4191279.88	4.43E-03	1.71E-03	7.11E-04	2.67E-04	4.20E-04	1.91E-04	3.48E-04	1.16E-04
403	564595.41	4191289.49	3.91E-03	1.51E-03	6.28E-04	2.36E-04	3.71E-04	1.69E-04	3.07E-04	1.02E-04
404	564597.6	4191299.1	3.38E-03	1.30E-03	5.42E-04	2.04E-04	3.20E-04	1.46E-04	2.65E-04	8.83E-05
405	564604.15	4191327.93	2.18E-03	8.40E-04	3.50E-04	1.32E-04	2.07E-04	9.42E-05	1.71E-04	5.70E-05
406	564606.34	4191337.54	1.95E-03	7.52E-04	3.13E-04	1.18E-04	1.85E-04	8.43E-05	1.53E-04	5.10E-05
407	564391.73	4191054.54	1.79E-03	6.90E-04	2.87E-04	1.08E-04	1.70E-04	7.74E-05	1.41E-04	4.68E-05
408	564381.9	4191052.88	1.75E-03	6.72E-04	2.80E-04	1.05E-04	1.65E-04	7.54E-05	1.37E-04	4.56E-05
409	564372.07	4191051.22	1.69E-03	6.51E-04	2.72E-04	1.02E-04	1.60E-04	7.31E-05	1.33E-04	4.42E-05
410	564362.24	4191049.56	1.63E-03	6.28E-04	2.62E-04	9.84E-05	1.55E-04	7.05E-05	1.28E-04	4.27E-05
411	564401.66	4191049.87	1.76E-03	6.76E-04	2.82E-04	1.06E-04	1.66E-04	7.58E-05	1.38E-04	4.59E-05
412	564467.75	4191091.36	2.24E-03	8.62E-04	3.59E-04	1.35E-04	2.12E-04	9.67E-05	1.76E-04	5.85E-05
413	564476.01	4191096.55	2.26E-03	8.69E-04	3.62E-04	1.36E-04	2.14E-04	9.75E-05	1.77E-04	5.90E-05
414	564484.28	4191101.73	2.28E-03	8.79E-04	3.66E-04	1.38E-04	2.16E-04	9.86E-05	1.79E-04	5.97E-05
415	564492.54	4191106.92	2.32E-03	8.93E-04	3.72E-04	1.40E-04	2.20E-04	1.00E-04	1.82E-04	6.06E-05
416	564500.8	4191112.11	2.37E-03	9.11E-04	3.80E-04	1.43E-04	2.24E-04	1.02E-04	1.86E-04	6.19E-05
417	564509.06	4191117.29	2.43E-03	9.34E-04	3.90E-04	1.46E-04	2.30E-04	1.05E-04	1.90E-04	6.35E-05
418	564517.32	4191122.48	2.50E-03	9.64E-04	4.02E-04	1.51E-04	2.37E-04	1.08E-04	1.96E-04	6.55E-05
419	564525.59	4191127.67	2.60E-03	9.99E-04	4.16E-04	1.56E-04	2.46E-04	1.12E-04	2.04E-04	6.78E-05
420	564533.85	4191132.85	2.70E-03	1.04E-03	4.33E-04	1.63E-04	2.55E-04	1.16E-04	2.12E-04	7.05E-05

421	564542.11	4191138.04	2.79E-03	1.07E-03	4.47E-04	1.68E-04	2.64E-04	1.20E-04	2.19E-04	7.29E-05
422	564550.37	4191143.23	2.87E-03	1.10E-03	4.61E-04	1.73E-04	2.72E-04	1.24E-04	2.25E-04	7.50E-05
423	564558.63	4191148.41	2.95E-03	1.13E-03	4.73E-04	1.78E-04	2.79E-04	1.27E-04	2.31E-04	7.70E-05
424	564566.9	4191153.6	2.99E-03	1.15E-03	4.79E-04	1.80E-04	2.83E-04	1.29E-04	2.34E-04	7.81E-05
425	564577.32	4191168.3	3.28E-03	1.26E-03	5.26E-04	1.98E-04	3.10E-04	1.41E-04	2.57E-04	8.57E-05
426	564579.48	4191177.81	3.51E-03	1.35E-03	5.64E-04	2.12E-04	3.33E-04	1.52E-04	2.76E-04	9.18E-05
427	564581.65	4191187.32	3.76E-03	1.45E-03	6.03E-04	2.26E-04	3.56E-04	1.62E-04	2.95E-04	9.82E-05
428	564596.79	4191253.91	4.90E-03	1.89E-03	7.86E-04	2.95E-04	4.64E-04	2.12E-04	3.85E-04	1.28E-04
429	564598.95	4191263.42	4.68E-03	1.80E-03	7.51E-04	2.82E-04	4.43E-04	2.02E-04	3.67E-04	1.22E-04
430	564601.12	4191272.93	4.33E-03	1.67E-03	6.95E-04	2.61E-04	4.10E-04	1.87E-04	3.40E-04	1.13E-04
431	564603.28	4191282.44	3.90E-03	1.50E-03	6.25E-04	2.35E-04	3.69E-04	1.68E-04	3.06E-04	1.02E-04
432	564605.44	4191291.96	3.42E-03	1.32E-03	5.48E-04	2.06E-04	3.24E-04	1.48E-04	2.68E-04	8.93E-05
433	564607.61	4191301.47	2.95E-03	1.14E-03	4.74E-04	1.78E-04	2.80E-04	1.27E-04	2.32E-04	7.72E-05
434	564393.39	4191044.68	1.68E-03	6.47E-04	2.70E-04	1.01E-04	1.59E-04	7.26E-05	1.32E-04	4.39E-05
435	564383.56	4191043.02	1.64E-03	6.32E-04	2.63E-04	9.90E-05	1.55E-04	7.09E-05	1.29E-04	4.29E-05
436	564373.73	4191041.36	1.59E-03	6.13E-04	2.56E-04	9.60E-05	1.51E-04	6.88E-05	1.25E-04	4.16E-05
437	564363.9	4191039.7	1.54E-03	5.92E-04	2.47E-04	9.27E-05	1.46E-04	6.64E-05	1.21E-04	4.02E-05
438	564403.24	4191039.96	1.65E-03	6.34E-04	2.64E-04	9.93E-05	1.56E-04	7.11E-05	1.29E-04	4.30E-05
439	564493.28	4191096.48	2.16E-03	8.31E-04	3.47E-04	1.30E-04	2.04E-04	9.32E-05	1.69E-04	5.65E-05
440	564501.46	4191101.62	2.20E-03	8.45E-04	3.52E-04	1.32E-04	2.08E-04	9.48E-05	1.72E-04	5.74E-05
441	564509.65	4191106.76	2.24E-03	8.63E-04	3.60E-04	1.35E-04	2.12E-04	9.68E-05	1.76E-04	5.86E-05
442	564517.83	4191111.89	2.30E-03	8.84E-04	3.69E-04	1.38E-04	2.17E-04	9.92E-05	1.80E-04	6.00E-05
443	564526.02	4191117.03	2.37E-03	9.11E-04	3.80E-04	1.43E-04	2.24E-04	1.02E-04	1.86E-04	6.19E-05
444	564534.2	4191122.17	2.45E-03	9.43E-04	3.93E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04	6.40E-05
445	564542.39	4191127.31	2.53E-03	9.75E-04	4.06E-04	1.53E-04	2.40E-04	1.09E-04	1.99E-04	6.62E-05
446	564550.57	4191132.45	2.62E-03	1.01E-03	4.20E-04	1.58E-04	2.48E-04	1.13E-04	2.05E-04	6.84E-05
447	564558.76	4191137.59	2.69E-03	1.04E-03	4.32E-04	1.62E-04	2.55E-04	1.16E-04	2.11E-04	7.04E-05
448	564566.94	4191142.72	2.76E-03	1.06E-03	4.43E-04	1.66E-04	2.61E-04	1.19E-04	2.17E-04	7.22E-05
449	564575.13	4191147.86	2.80E-03	1.08E-03	4.49E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04	7.31E-05
450	564585.46	4191162.42	3.06E-03	1.18E-03	4.91E-04	1.85E-04	2.90E-04	1.32E-04	2.40E-04	8.00E-05
451	564600.46	4191228.39	4.54E-03	1.75E-03	7.29E-04	2.74E-04	4.30E-04	1.96E-04	3.56E-04	1.19E-04
452	564602.6	4191237.81	4.63E-03	1.78E-03	7.42E-04	2.79E-04	4.38E-04	2.00E-04	3.63E-04	1.21E-04
453	564604.75	4191247.24	4.61E-03	1.77E-03	7.39E-04	2.78E-04	4.36E-04	1.99E-04	3.61E-04	1.20E-04
454	564606.89	4191256.66	4.46E-03	1.72E-03	7.16E-04	2.69E-04	4.22E-04	1.93E-04	3.50E-04	1.17E-04
455	564609.03	4191266.08	4.20E-03	1.61E-03	6.73E-04	2.53E-04	3.97E-04	1.81E-04	3.29E-04	1.10E-04
456	564611.17	4191275.51	3.84E-03	1.48E-03	6.16E-04	2.31E-04	3.63E-04	1.66E-04	3.01E-04	1.00E-04
457	564613.32	4191284.93	3.43E-03	1.32E-03	5.50E-04	2.07E-04	3.25E-04	1.48E-04	2.69E-04	8.96E-05
458	564615.46	4191294.35	3.00E-03	1.15E-03	4.81E-04	1.81E-04	2.84E-04	1.29E-04	2.35E-04	7.84E-05
459	564617.6	4191303.78	2.60E-03	1.00E-03	4.17E-04	1.57E-04	2.46E-04	1.12E-04	2.04E-04	6.79E-05
460	564626.18	4191341.47	1.62E-03	6.23E-04	2.60E-04	9.75E-05	1.53E-04	6.98E-05	1.27E-04	4.23E-05
461	564628.32	4191350.9	1.50E-03	5.78E-04	2.41E-04	9.06E-05	1.42E-04	6.49E-05	1.18E-04	3.93E-05
462	564630.46	4191360.32	1.42E-03	5.47E-04	2.28E-04	8.56E-05	1.34E-04	6.13E-05	1.11E-04	3.71E-05
463	564395.06	4191034.82	1.58E-03	6.08E-04	2.53E-04	9.52E-05	1.50E-04	6.82E-05	1.24E-04	4.13E-05
464	564385.23	4191033.16	1.54E-03	5.94E-04	2.47E-04	9.30E-05	1.46E-04	6.66E-05	1.21E-04	4.03E-05
465	564375.4	4191031.5	1.50E-03	5.77E-04	2.41E-04	9.04E-05	1.42E-04	6.47E-05	1.18E-04	3.92E-05
466	564365.57	4191029.84	1.45E-03	5.58E-04	2.33E-04	8.74E-05	1.37E-04	6.26E-05	1.14E-04	3.79E-05
467	564404.84	4191030.05	1.55E-03	5.96E-04	2.48E-04	9.34E-05	1.47E-04	6.69E-05	1.22E-04	4.05E-05
468	564453.53	4191060.62	1.91E-03	7.36E-04	3.07E-04	1.15E-04	1.81E-04	8.25E-05	1.50E-04	5.00E-05
469	564461.64	4191065.71	1.95E-03	7.50E-04	3.13E-04	1.17E-04	1.84E-04	8.41E-05	1.53E-04	5.09E-05
470	564469.75	4191070.8	1.97E-03	7.60E-04	3.17E-04	1.19E-04	1.87E-04	8.52E-05	1.55E-04	5.16E-05
471	564477.87	4191075.9	1.99E-03	7.67E-04	3.20E-04	1.20E-04	1.89E-04	8.60E-05	1.56E-04	5.21E-05
472	564518.44	4191101.37	2.12E-03	8.15E-04	3.40E-04	1.28E-04	2.01E-04	9.14E-05	1.66E-04	5.54E-05
473	564526.56	4191106.46	2.17E-03	8.36E-04	3.49E-04	1.31E-04	2.06E-04	9.38E-05	1.71E-04	5.68E-05

474	564534.67	4191111.56	2.24E-03	8.61E-04	3.59E-04	1.35E-04	2.12E-04	9.66E-05	1.76E-04	5.85E-05
475	564542.78	4191116.65	2.31E-03	8.88E-04	3.70E-04	1.39E-04	2.19E-04	9.97E-05	1.81E-04	6.04E-05
476	564550.9	4191121.75	2.38E-03	9.17E-04	3.82E-04	1.44E-04	2.26E-04	1.03E-04	1.87E-04	6.23E-05
477	564559.01	4191126.84	2.46E-03	9.45E-04	3.94E-04	1.48E-04	2.33E-04	1.06E-04	1.93E-04	6.42E-05
478	564567.13	4191131.93	2.53E-03	9.72E-04	4.05E-04	1.52E-04	2.39E-04	1.09E-04	1.98E-04	6.60E-05
479	564575.24	4191137.03	2.59E-03	9.97E-04	4.15E-04	1.56E-04	2.45E-04	1.12E-04	2.03E-04	6.77E-05
480	564583.36	4191142.12	2.62E-03	1.01E-03	4.20E-04	1.58E-04	2.48E-04	1.13E-04	2.06E-04	6.85E-05
481	564608.47	4191221.95	4.19E-03	1.61E-03	6.73E-04	2.53E-04	3.97E-04	1.81E-04	3.29E-04	1.10E-04
482	564610.59	4191231.3	4.30E-03	1.65E-03	6.90E-04	2.59E-04	4.07E-04	1.86E-04	3.37E-04	1.12E-04
483	564612.72	4191240.64	4.32E-03	1.66E-03	6.93E-04	2.60E-04	4.09E-04	1.86E-04	3.39E-04	1.13E-04
484	564614.84	4191249.98	4.23E-03	1.63E-03	6.79E-04	2.55E-04	4.01E-04	1.83E-04	3.32E-04	1.11E-04
485	564616.97	4191259.32	4.04E-03	1.55E-03	6.48E-04	2.43E-04	3.82E-04	1.74E-04	3.17E-04	1.06E-04
486	564619.09	4191268.67	3.75E-03	1.44E-03	6.02E-04	2.26E-04	3.55E-04	1.62E-04	2.94E-04	9.80E-05
487	564621.22	4191278.01	3.40E-03	1.31E-03	5.46E-04	2.05E-04	3.22E-04	1.47E-04	2.67E-04	8.89E-05
488	564623.34	4191287.35	3.02E-03	1.16E-03	4.85E-04	1.82E-04	2.86E-04	1.31E-04	2.37E-04	7.90E-05
489	564625.46	4191296.69	2.64E-03	1.02E-03	4.24E-04	1.59E-04	2.50E-04	1.14E-04	2.07E-04	6.91E-05
490	564627.59	4191306.04	2.30E-03	8.87E-04	3.70E-04	1.39E-04	2.18E-04	9.94E-05	1.81E-04	6.02E-05
491	564633.96	4191334.06	1.62E-03	6.22E-04	2.59E-04	9.74E-05	1.53E-04	6.97E-05	1.27E-04	4.22E-05
492	564636.09	4191343.41	1.48E-03	5.71E-04	2.38E-04	8.94E-05	1.40E-04	6.40E-05	1.16E-04	3.88E-05
493	564638.21	4191352.75	1.39E-03	5.33E-04	2.22E-04	8.36E-05	1.31E-04	5.98E-05	1.09E-04	3.62E-05
494	564640.34	4191362.09	1.32E-03	5.07E-04	2.11E-04	7.94E-05	1.25E-04	5.68E-05	1.03E-04	3.44E-05
495	564396.72	4191024.96	1.49E-03	5.72E-04	2.39E-04	8.97E-05	1.41E-04	6.42E-05	1.17E-04	3.89E-05
496	564386.89	4191023.3	1.45E-03	5.59E-04	2.33E-04	8.76E-05	1.38E-04	6.27E-05	1.14E-04	3.80E-05
497	564377.06	4191021.64	1.41E-03	5.44E-04	2.27E-04	8.52E-05	1.34E-04	6.10E-05	1.11E-04	3.69E-05
498	564367.23	4191019.98	1.37E-03	5.27E-04	2.20E-04	8.25E-05	1.30E-04	5.91E-05	1.07E-04	3.58E-05
499	564406.77	4191020.36	1.46E-03	5.63E-04	2.35E-04	8.82E-05	1.38E-04	6.31E-05	1.15E-04	3.82E-05
500	564457.08	4191051.94	1.80E-03	6.94E-04	2.89E-04	1.09E-04	1.71E-04	7.79E-05	1.42E-04	4.71E-05
501	564465.47	4191057.21	1.84E-03	7.07E-04	2.95E-04	1.11E-04	1.74E-04	7.94E-05	1.44E-04	4.80E-05
502	564473.85	4191062.47	1.86E-03	7.17E-04	2.99E-04	1.12E-04	1.76E-04	8.04E-05	1.46E-04	4.87E-05
503	564482.24	4191067.74	1.88E-03	7.23E-04	3.02E-04	1.13E-04	1.78E-04	8.11E-05	1.47E-04	4.91E-05
504	564490.62	4191073	1.89E-03	7.28E-04	3.04E-04	1.14E-04	1.79E-04	8.17E-05	1.48E-04	4.95E-05
505	564499.01	4191078.26	1.90E-03	7.33E-04	3.06E-04	1.15E-04	1.80E-04	8.22E-05	1.49E-04	4.98E-05
506	564507.39	4191083.53	1.92E-03	7.40E-04	3.08E-04	1.16E-04	1.82E-04	8.30E-05	1.51E-04	5.02E-05
507	564549.32	4191109.85	2.16E-03	8.32E-04	3.47E-04	1.30E-04	2.05E-04	9.34E-05	1.70E-04	5.65E-05
508	564557.7	4191115.11	2.23E-03	8.58E-04	3.58E-04	1.34E-04	2.11E-04	9.63E-05	1.75E-04	5.83E-05
509	564566.09	4191120.37	2.30E-03	8.85E-04	3.69E-04	1.39E-04	2.18E-04	9.92E-05	1.80E-04	6.01E-05
510	564574.47	4191125.64	2.36E-03	9.10E-04	3.79E-04	1.42E-04	2.24E-04	1.02E-04	1.85E-04	6.18E-05
511	564582.86	4191130.9	2.40E-03	9.23E-04	3.85E-04	1.45E-04	2.27E-04	1.04E-04	1.88E-04	6.27E-05
512	564591.24	4191136.17	2.45E-03	9.44E-04	3.93E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04	6.41E-05
513	564608.41	4191180.05	3.22E-03	1.24E-03	5.16E-04	1.94E-04	3.05E-04	1.39E-04	2.52E-04	8.41E-05
514	564610.61	4191189.7	3.40E-03	1.31E-03	5.45E-04	2.05E-04	3.22E-04	1.47E-04	2.67E-04	8.88E-05
515	564612.8	4191199.35	3.58E-03	1.38E-03	5.75E-04	2.16E-04	3.39E-04	1.55E-04	2.81E-04	9.37E-05
516	564617.19	4191218.66	3.92E-03	1.51E-03	6.29E-04	2.36E-04	3.71E-04	1.69E-04	3.08E-04	1.03E-04
517	564619.39	4191228.31	4.02E-03	1.55E-03	6.45E-04	2.42E-04	3.80E-04	1.73E-04	3.15E-04	1.05E-04
518	564621.58	4191237.97	4.03E-03	1.55E-03	6.47E-04	2.43E-04	3.82E-04	1.74E-04	3.16E-04	1.05E-04
519	564623.78	4191247.62	3.95E-03	1.52E-03	6.33E-04	2.38E-04	3.74E-04	1.70E-04	3.10E-04	1.03E-04
520	564625.97	4191257.28	3.76E-03	1.45E-03	6.04E-04	2.27E-04	3.56E-04	1.62E-04	2.95E-04	9.83E-05
521	564628.17	4191266.93	3.49E-03	1.34E-03	5.60E-04	2.10E-04	3.30E-04	1.51E-04	2.74E-04	9.12E-05
522	564630.36	4191276.58	3.16E-03	1.22E-03	5.07E-04	1.90E-04	2.99E-04	1.36E-04	2.48E-04	8.25E-05
523	564632.56	4191286.24	2.80E-03	1.08E-03	4.50E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04	7.33E-05
524	564634.75	4191295.89	2.45E-03	9.44E-04	3.94E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04	6.41E-05
525	564636.95	4191305.54	2.14E-03	8.23E-04	3.43E-04	1.29E-04	2.03E-04	9.23E-05	1.68E-04	5.59E-05
526	564643.54	4191334.51	1.50E-03	5.77E-04	2.41E-04	9.04E-05	1.42E-04	6.48E-05	1.18E-04	3.92E-05

527	564645.73	4191344.16	1.38E-03	5.30E-04	2.21E-04	8.31E-05	1.30E-04	5.95E-05	1.08E-04	3.60E-05
528	564647.93	4191353.81	1.29E-03	4.96E-04	2.07E-04	7.77E-05	1.22E-04	5.56E-05	1.01E-04	3.37E-05
529	564650.12	4191363.47	1.23E-03	4.72E-04	1.97E-04	7.39E-05	1.16E-04	5.29E-05	9.62E-05	3.20E-05
530	564398.39	4191015.1	1.40E-03	5.40E-04	2.25E-04	8.46E-05	1.33E-04	6.06E-05	1.10E-04	3.67E-05
531	564388.56	4191013.44	1.37E-03	5.28E-04	2.20E-04	8.27E-05	1.30E-04	5.92E-05	1.08E-04	3.59E-05
532	564378.73	4191011.78	1.34E-03	5.15E-04	2.15E-04	8.06E-05	1.27E-04	5.77E-05	1.05E-04	3.50E-05
533	564368.9	4191010.12	1.30E-03	4.99E-04	2.08E-04	7.82E-05	1.23E-04	5.60E-05	1.02E-04	3.39E-05
534	564307.42	4191314.1	2.14E-02	8.22E-03	3.43E-03	1.29E-03	2.02E-03	9.22E-04	1.68E-03	5.58E-04
535	564304.66	4191330.27	3.66E-02	1.41E-02	5.87E-03	2.21E-03	3.46E-03	1.58E-03	2.87E-03	9.56E-04
536	564301.89	4191346.44	5.26E-02	2.02E-02	8.43E-03	3.17E-03	4.97E-03	2.27E-03	4.12E-03	1.37E-03
537	564301.64	4191305.95	1.38E-02	5.32E-03	2.22E-03	8.33E-04	1.31E-03	5.96E-04	1.08E-03	3.61E-04
538	564296.18	4191320.5	1.78E-02	6.84E-03	2.85E-03	1.07E-03	1.68E-03	7.67E-04	1.39E-03	4.64E-04
539	564293.41	4191336.67	2.57E-02	9.88E-03	4.12E-03	1.55E-03	2.43E-03	1.11E-03	2.01E-03	6.71E-04
540	564290.65	4191352.84	3.11E-02	1.20E-02	4.98E-03	1.87E-03	2.94E-03	1.34E-03	2.44E-03	8.12E-04
541	564291.78	4191304.26	9.78E-03	3.76E-03	1.57E-03	5.90E-04	9.26E-04	4.22E-04	7.67E-04	2.56E-04
542	564307.37	4191289.62	1.18E-02	4.52E-03	1.89E-03	7.09E-04	1.11E-03	5.07E-04	9.22E-04	3.07E-04
543	564286.33	4191318.81	1.20E-02	4.61E-03	1.92E-03	7.22E-04	1.13E-03	5.17E-04	9.39E-04	3.13E-04
544	564283.56	4191334.98	1.57E-02	6.04E-03	2.52E-03	9.47E-04	1.49E-03	6.78E-04	1.23E-03	4.11E-04
545	564281.92	4191302.57	7.32E-03	2.81E-03	1.17E-03	4.41E-04	6.93E-04	3.16E-04	5.74E-04	1.91E-04
546	564290.07	4191289.63	6.67E-03	2.56E-03	1.07E-03	4.02E-04	6.31E-04	2.88E-04	5.23E-04	1.74E-04
547	564301.59	4191281.46	8.22E-03	3.16E-03	1.32E-03	4.95E-04	7.78E-04	3.55E-04	6.45E-04	2.15E-04
548	564276.47	4191317.12	8.54E-03	3.29E-03	1.37E-03	5.15E-04	8.09E-04	3.69E-04	6.70E-04	2.23E-04
549	564273.7	4191333.29	1.05E-02	4.04E-03	1.69E-03	6.34E-04	9.95E-04	4.54E-04	8.25E-04	2.75E-04
550	564272.07	4191300.88	5.70E-03	2.20E-03	9.15E-04	3.44E-04	5.40E-04	2.46E-04	4.48E-04	1.49E-04
551	564280.21	4191287.95	5.22E-03	2.01E-03	8.37E-04	3.14E-04	4.94E-04	2.25E-04	4.09E-04	1.36E-04
552	564295.8	4191273.3	6.04E-03	2.32E-03	9.69E-04	3.64E-04	5.72E-04	2.61E-04	4.74E-04	1.58E-04
553	564310.7	4191269.9	9.70E-03	3.73E-03	1.56E-03	5.85E-04	9.19E-04	4.19E-04	7.61E-04	2.54E-04
554	564266.61	4191315.44	6.40E-03	2.46E-03	1.03E-03	3.85E-04	6.05E-04	2.76E-04	5.02E-04	1.67E-04
555	564263.85	4191331.6	7.52E-03	2.89E-03	1.21E-03	4.53E-04	7.12E-04	3.25E-04	5.90E-04	1.97E-04
556	564262.21	4191299.2	4.57E-03	1.76E-03	7.34E-04	2.76E-04	4.33E-04	1.97E-04	3.59E-04	1.20E-04
557	564270.35	4191286.26	4.26E-03	1.64E-03	6.83E-04	2.57E-04	4.03E-04	1.84E-04	3.34E-04	1.11E-04
558	564278.49	4191273.32	3.93E-03	1.51E-03	6.31E-04	2.37E-04	3.72E-04	1.70E-04	3.08E-04	1.03E-04
559	564256.76	4191313.75	4.96E-03	1.91E-03	7.96E-04	2.99E-04	4.70E-04	2.14E-04	3.89E-04	1.30E-04
560	564253.99	4191329.92	5.65E-03	2.17E-03	9.06E-04	3.40E-04	5.34E-04	2.44E-04	4.43E-04	1.48E-04
561	564252.35	4191297.51	3.73E-03	1.43E-03	5.98E-04	2.25E-04	3.53E-04	1.61E-04	2.93E-04	9.75E-05
562	564260.5	4191284.57	3.54E-03	1.36E-03	5.68E-04	2.14E-04	3.35E-04	1.53E-04	2.78E-04	9.26E-05
563	564268.64	4191271.63	3.24E-03	1.25E-03	5.20E-04	1.95E-04	3.07E-04	1.40E-04	2.54E-04	8.47E-05
564	564314.03	4191250.18	7.98E-03	3.07E-03	1.28E-03	4.81E-04	7.55E-04	3.44E-04	6.26E-04	2.09E-04
565	564246.9	4191312.06	3.96E-03	1.52E-03	6.35E-04	2.39E-04	3.75E-04	1.71E-04	3.11E-04	1.03E-04
566	564244.13	4191328.23	4.40E-03	1.69E-03	7.05E-04	2.65E-04	4.16E-04	1.90E-04	3.45E-04	1.15E-04
567	564242.5	4191295.82	3.10E-03	1.19E-03	4.97E-04	1.87E-04	2.93E-04	1.34E-04	2.43E-04	8.09E-05
568	564250.64	4191282.88	2.99E-03	1.15E-03	4.79E-04	1.80E-04	2.83E-04	1.29E-04	2.34E-04	7.80E-05
569	564258.78	4191269.95	2.75E-03	1.06E-03	4.41E-04	1.66E-04	2.60E-04	1.19E-04	2.16E-04	7.19E-05
570	564278.45	4191248.84	2.94E-03	1.13E-03	4.72E-04	1.77E-04	2.79E-04	1.27E-04	2.31E-04	7.69E-05
571	564293.35	4191245.43	4.18E-03	1.61E-03	6.70E-04	2.52E-04	3.95E-04	1.80E-04	3.28E-04	1.09E-04
572	564308.25	4191242.02	6.11E-03	2.35E-03	9.80E-04	3.68E-04	5.78E-04	2.64E-04	4.79E-04	1.60E-04
573	564237.04	4191310.37	3.23E-03	1.24E-03	5.18E-04	1.95E-04	3.06E-04	1.39E-04	2.54E-04	8.45E-05
574	564234.28	4191326.54	3.52E-03	1.36E-03	5.65E-04	2.12E-04	3.33E-04	1.52E-04	2.76E-04	9.21E-05
575	564232.64	4191294.13	2.61E-03	1.00E-03	4.19E-04	1.57E-04	2.47E-04	1.13E-04	2.05E-04	6.82E-05
576	564240.78	4191281.2	2.55E-03	9.82E-04	4.09E-04	1.54E-04	2.41E-04	1.10E-04	2.00E-04	6.67E-05
577	564248.93	4191268.26	2.38E-03	9.16E-04	3.82E-04	1.43E-04	2.25E-04	1.03E-04	1.87E-04	6.22E-05
578	564272.66	4191240.68	2.43E-03	9.36E-04	3.90E-04	1.47E-04	2.30E-04	1.05E-04	1.91E-04	6.35E-05
579	564287.56	4191237.27	3.34E-03	1.28E-03	5.35E-04	2.01E-04	3.16E-04	1.44E-04	2.62E-04	8.72E-05

580	564302.46	4191233.86	4.79E-03	1.84E-03	7.68E-04	2.89E-04	4.53E-04	2.07E-04	3.76E-04	1.25E-04
581	564317.36	4191230.45	6.51E-03	2.50E-03	1.04E-03	3.92E-04	6.16E-04	2.81E-04	5.11E-04	1.70E-04
582	564227.19	4191308.69	2.69E-03	1.03E-03	4.31E-04	1.62E-04	2.54E-04	1.16E-04	2.11E-04	7.03E-05
583	564224.42	4191324.85	2.89E-03	1.11E-03	4.63E-04	1.74E-04	2.73E-04	1.25E-04	2.27E-04	7.55E-05
584	564222.78	4191292.45	2.23E-03	8.57E-04	3.57E-04	1.34E-04	2.11E-04	9.62E-05	1.75E-04	5.82E-05
585	564230.93	4191279.51	2.20E-03	8.48E-04	3.54E-04	1.33E-04	2.09E-04	9.52E-05	1.73E-04	5.76E-05
586	564239.07	4191266.57	2.08E-03	8.02E-04	3.34E-04	1.26E-04	1.97E-04	9.00E-05	1.64E-04	5.45E-05
587	564255.35	4191240.7	1.85E-03	7.10E-04	2.96E-04	1.11E-04	1.75E-04	7.96E-05	1.45E-04	4.82E-05
588	564266.87	4191232.52	2.05E-03	7.87E-04	3.28E-04	1.23E-04	1.94E-04	8.83E-05	1.60E-04	5.35E-05
589	564281.78	4191229.11	2.72E-03	1.05E-03	4.37E-04	1.64E-04	2.58E-04	1.18E-04	2.14E-04	7.12E-05
590	564296.68	4191225.71	3.83E-03	1.47E-03	6.14E-04	2.31E-04	3.62E-04	1.65E-04	3.00E-04	1.00E-04
591	564311.58	4191222.3	5.18E-03	1.99E-03	8.31E-04	3.12E-04	4.90E-04	2.24E-04	4.06E-04	1.35E-04
592	564217.33	4191307	2.27E-03	8.74E-04	3.64E-04	1.37E-04	2.15E-04	9.80E-05	1.78E-04	5.93E-05
593	564214.56	4191323.17	2.41E-03	9.28E-04	3.87E-04	1.45E-04	2.28E-04	1.04E-04	1.89E-04	6.30E-05
594	564212.93	4191290.76	1.92E-03	7.40E-04	3.09E-04	1.16E-04	1.82E-04	8.30E-05	1.51E-04	5.03E-05
595	564221.07	4191277.82	1.92E-03	7.39E-04	3.08E-04	1.16E-04	1.82E-04	8.29E-05	1.51E-04	5.02E-05
596	564229.21	4191264.88	1.84E-03	7.08E-04	2.95E-04	1.11E-04	1.74E-04	7.94E-05	1.44E-04	4.81E-05
597	564245.5	4191239.01	1.62E-03	6.22E-04	2.59E-04	9.74E-05	1.53E-04	6.98E-05	1.27E-04	4.22E-05
598	564261.09	4191224.37	1.75E-03	6.72E-04	2.80E-04	1.05E-04	1.65E-04	7.54E-05	1.37E-04	4.57E-05
599	564275.99	4191220.96	2.26E-03	8.69E-04	3.62E-04	1.36E-04	2.14E-04	9.75E-05	1.77E-04	5.90E-05
600	564290.89	4191217.55	3.09E-03	1.19E-03	4.96E-04	1.86E-04	2.93E-04	1.33E-04	2.43E-04	8.08E-05
601	564305.79	4191214.14	4.17E-03	1.60E-03	6.68E-04	2.51E-04	3.94E-04	1.80E-04	3.27E-04	1.09E-04
602	564320.69	4191210.73	5.25E-03	2.02E-03	8.42E-04	3.16E-04	4.97E-04	2.27E-04	4.12E-04	1.37E-04
603	564207.47	4191305.31	1.94E-03	7.48E-04	3.12E-04	1.17E-04	1.84E-04	8.39E-05	1.53E-04	5.08E-05
604	564204.71	4191321.48	2.05E-03	7.87E-04	3.28E-04	1.23E-04	1.94E-04	8.83E-05	1.61E-04	5.35E-05
605	564203.07	4191289.07	1.68E-03	6.45E-04	2.69E-04	1.01E-04	1.59E-04	7.24E-05	1.32E-04	4.38E-05
606	564211.21	4191276.13	1.69E-03	6.49E-04	2.71E-04	1.02E-04	1.60E-04	7.28E-05	1.32E-04	4.41E-05
607	564219.36	4191263.2	1.63E-03	6.28E-04	2.62E-04	9.83E-05	1.54E-04	7.04E-05	1.28E-04	4.26E-05
608	564235.64	4191237.32	1.44E-03	5.53E-04	2.31E-04	8.67E-05	1.36E-04	6.21E-05	1.13E-04	3.76E-05
609	564243.78	4191224.38	1.39E-03	5.33E-04	2.22E-04	8.35E-05	1.31E-04	5.98E-05	1.09E-04	3.62E-05
610	564255.3	4191216.21	1.51E-03	5.82E-04	2.42E-04	9.11E-05	1.43E-04	6.52E-05	1.19E-04	3.95E-05
611	564270.2	4191212.8	1.91E-03	7.34E-04	3.06E-04	1.15E-04	1.81E-04	8.23E-05	1.50E-04	4.98E-05
612	564285.11	4191209.39	2.55E-03	9.80E-04	4.09E-04	1.54E-04	2.41E-04	1.10E-04	2.00E-04	6.66E-05
613	564300.01	4191205.99	3.40E-03	1.31E-03	5.46E-04	2.05E-04	3.22E-04	1.47E-04	2.67E-04	8.89E-05
614	564314.91	4191202.58	4.31E-03	1.66E-03	6.92E-04	2.60E-04	4.08E-04	1.86E-04	3.38E-04	1.13E-04
615	564197.62	4191303.62	1.69E-03	6.49E-04	2.71E-04	1.02E-04	1.60E-04	7.28E-05	1.32E-04	4.41E-05
616	564194.85	4191319.79	1.77E-03	6.80E-04	2.83E-04	1.07E-04	1.67E-04	7.63E-05	1.39E-04	4.62E-05
617	564201.36	4191274.45	1.49E-03	5.74E-04	2.40E-04	9.00E-05	1.41E-04	6.44E-05	1.17E-04	3.90E-05
618	564209.5	4191261.51	1.46E-03	5.60E-04	2.34E-04	8.78E-05	1.38E-04	6.29E-05	1.14E-04	3.81E-05
619	564225.78	4191235.63	1.29E-03	4.98E-04	2.08E-04	7.80E-05	1.23E-04	5.59E-05	1.02E-04	3.38E-05
620	564233.92	4191222.7	1.23E-03	4.75E-04	1.98E-04	7.44E-05	1.17E-04	5.33E-05	9.68E-05	3.22E-05
621	564249.52	4191208.05	1.32E-03	5.09E-04	2.12E-04	7.97E-05	1.25E-04	5.71E-05	1.04E-04	3.46E-05
622	564264.42	4191204.65	1.64E-03	6.30E-04	2.63E-04	9.86E-05	1.55E-04	7.06E-05	1.28E-04	4.28E-05
623	564279.32	4191201.24	2.14E-03	8.22E-04	3.43E-04	1.29E-04	2.02E-04	9.23E-05	1.68E-04	5.59E-05
624	564294.22	4191197.83	2.81E-03	1.08E-03	4.51E-04	1.69E-04	2.66E-04	1.21E-04	2.21E-04	7.35E-05
625	564309.12	4191194.42	3.58E-03	1.38E-03	5.75E-04	2.16E-04	3.39E-04	1.55E-04	2.81E-04	9.37E-05
626	564324.03	4191191.01	4.30E-03	1.65E-03	6.90E-04	2.59E-04	4.07E-04	1.86E-04	3.37E-04	1.12E-04
627	564183.36	4191285.7	1.31E-03	5.02E-04	2.09E-04	7.87E-05	1.24E-04	5.64E-05	1.02E-04	3.41E-05
628	564215.93	4191233.95	1.18E-03	4.52E-04	1.89E-04	7.09E-05	1.11E-04	5.08E-05	9.22E-05	3.07E-05
629	564224.07	4191221.01	1.12E-03	4.30E-04	1.79E-04	6.73E-05	1.06E-04	4.82E-05	8.76E-05	2.92E-05
630	564232.21	4191208.07	1.09E-03	4.18E-04	1.74E-04	6.55E-05	1.03E-04	4.69E-05	8.52E-05	2.84E-05
631	564243.73	4191199.9	1.17E-03	4.49E-04	1.87E-04	7.04E-05	1.11E-04	5.04E-05	9.16E-05	3.05E-05
632	564258.63	4191196.49	1.42E-03	5.46E-04	2.28E-04	8.56E-05	1.34E-04	6.13E-05	1.11E-04	3.71E-05

633	564273.53	4191193.08	1.82E-03	7.00E-04	2.92E-04	1.10E-04	1.72E-04	7.85E-05	1.43E-04	4.75E-05
634	564288.44	4191189.67	2.37E-03	9.13E-04	3.81E-04	1.43E-04	2.25E-04	1.02E-04	1.86E-04	6.20E-05
635	564303.34	4191186.26	3.03E-03	1.17E-03	4.86E-04	1.83E-04	2.87E-04	1.31E-04	2.38E-04	7.91E-05
636	564318.24	4191182.86	3.66E-03	1.41E-03	5.87E-04	2.21E-04	3.47E-04	1.58E-04	2.87E-04	9.57E-05
637	564177.9	4191300.25	1.31E-03	5.03E-04	2.10E-04	7.87E-05	1.24E-04	5.64E-05	1.02E-04	3.41E-05
638	564175.14	4191316.42	1.36E-03	5.23E-04	2.18E-04	8.20E-05	1.29E-04	5.87E-05	1.07E-04	3.55E-05
639	564172.37	4191332.59	1.44E-03	5.54E-04	2.31E-04	8.68E-05	1.36E-04	6.22E-05	1.13E-04	3.76E-05
640	564173.79	4191283.55	1.17E-03	4.49E-04	1.87E-04	7.03E-05	1.10E-04	5.03E-05	9.15E-05	3.05E-05
641	564182.52	4191269.69	1.19E-03	4.59E-04	1.91E-04	7.19E-05	1.13E-04	5.15E-05	9.35E-05	3.12E-05
642	564208.69	4191228.1	1.06E-03	4.06E-04	1.69E-04	6.36E-05	9.99E-05	4.56E-05	8.28E-05	2.76E-05
643	564217.41	4191214.24	1.00E-03	3.86E-04	1.61E-04	6.05E-05	9.50E-05	4.33E-05	7.88E-05	2.62E-05
644	564226.13	4191200.38	9.76E-04	3.75E-04	1.57E-04	5.88E-05	9.24E-05	4.21E-05	7.65E-05	2.55E-05
645	564238.48	4191191.62	1.05E-03	4.02E-04	1.68E-04	6.30E-05	9.90E-05	4.51E-05	8.20E-05	2.73E-05
646	564254.44	4191187.97	1.27E-03	4.88E-04	2.03E-04	7.64E-05	1.20E-04	5.47E-05	9.95E-05	3.31E-05
647	564270.41	4191184.32	1.63E-03	6.29E-04	2.62E-04	9.85E-05	1.55E-04	7.05E-05	1.28E-04	4.27E-05
648	564286.38	4191180.66	2.16E-03	8.29E-04	3.46E-04	1.30E-04	2.04E-04	9.30E-05	1.69E-04	5.63E-05
649	564302.34	4191177.01	2.76E-03	1.06E-03	4.43E-04	1.66E-04	2.61E-04	1.19E-04	2.17E-04	7.22E-05
650	564318.31	4191173.36	3.34E-03	1.29E-03	5.36E-04	2.01E-04	3.16E-04	1.44E-04	2.62E-04	8.73E-05
651	564168.05	4191298.56	1.16E-03	4.47E-04	1.87E-04	7.01E-05	1.10E-04	5.02E-05	9.12E-05	3.04E-05
652	564165.28	4191314.73	1.20E-03	4.63E-04	1.93E-04	7.25E-05	1.14E-04	5.19E-05	9.44E-05	3.14E-05
653	564162.51	4191330.9	1.27E-03	4.89E-04	2.04E-04	7.66E-05	1.20E-04	5.48E-05	9.97E-05	3.32E-05
654	564163.92	4191281.89	1.05E-03	4.04E-04	1.69E-04	6.34E-05	9.95E-05	4.54E-05	8.25E-05	2.75E-05
655	564172.6	4191268.09	1.07E-03	4.13E-04	1.72E-04	6.48E-05	1.02E-04	4.64E-05	8.43E-05	2.81E-05
656	564181.29	4191254.29	1.06E-03	4.10E-04	1.71E-04	6.42E-05	1.01E-04	4.60E-05	8.35E-05	2.78E-05
657	564207.34	4191212.89	9.22E-04	3.55E-04	1.48E-04	5.56E-05	8.73E-05	3.98E-05	7.24E-05	2.41E-05
658	564216.02	4191199.09	8.90E-04	3.42E-04	1.43E-04	5.37E-05	8.43E-05	3.84E-05	6.98E-05	2.33E-05
659	564232.66	4191183.47	9.38E-04	3.61E-04	1.50E-04	5.65E-05	8.88E-05	4.05E-05	7.36E-05	2.45E-05
660	564248.55	4191179.84	1.12E-03	4.30E-04	1.79E-04	6.73E-05	1.06E-04	4.82E-05	8.76E-05	2.92E-05
661	564264.45	4191176.2	1.41E-03	5.42E-04	2.26E-04	8.49E-05	1.33E-04	6.08E-05	1.11E-04	3.68E-05
662	564280.34	4191172.56	1.84E-03	7.08E-04	2.95E-04	1.11E-04	1.74E-04	7.94E-05	1.44E-04	4.81E-05
663	564296.24	4191168.93	2.36E-03	9.08E-04	3.79E-04	1.42E-04	2.23E-04	1.02E-04	1.85E-04	6.17E-05
664	564312.13	4191165.29	2.88E-03	1.11E-03	4.61E-04	1.73E-04	2.72E-04	1.24E-04	2.26E-04	7.52E-05
665	564158.19	4191296.87	1.04E-03	4.01E-04	1.67E-04	6.28E-05	9.87E-05	4.50E-05	8.18E-05	2.72E-05
666	564155.42	4191313.04	1.07E-03	4.13E-04	1.72E-04	6.46E-05	1.01E-04	4.63E-05	8.41E-05	2.80E-05
667	564152.65	4191329.21	1.13E-03	4.34E-04	1.81E-04	6.80E-05	1.07E-04	4.87E-05	8.85E-05	2.95E-05
668	564154.04	4191280.23	9.52E-04	3.66E-04	1.53E-04	5.74E-05	9.02E-05	4.11E-05	7.47E-05	2.49E-05
669	564162.69	4191266.48	9.77E-04	3.76E-04	1.57E-04	5.89E-05	9.25E-05	4.22E-05	7.67E-05	2.55E-05
670	564171.34	4191252.74	9.71E-04	3.74E-04	1.56E-04	5.85E-05	9.19E-05	4.19E-05	7.62E-05	2.54E-05
671	564180	4191238.99	9.38E-04	3.61E-04	1.51E-04	5.66E-05	8.88E-05	4.05E-05	7.36E-05	2.45E-05
672	564188.65	4191225.24	8.93E-04	3.43E-04	1.43E-04	5.38E-05	8.45E-05	3.85E-05	7.00E-05	2.33E-05
673	564214.6	4191184.01	7.98E-04	3.07E-04	1.28E-04	4.81E-05	7.56E-05	3.45E-05	6.26E-05	2.09E-05
674	564226.84	4191175.32	8.47E-04	3.26E-04	1.36E-04	5.10E-05	8.02E-05	3.66E-05	6.64E-05	2.21E-05
675	564242.67	4191171.7	9.94E-04	3.82E-04	1.59E-04	5.99E-05	9.41E-05	4.29E-05	7.79E-05	2.60E-05
676	564258.51	4191168.08	1.23E-03	4.73E-04	1.97E-04	7.40E-05	1.16E-04	5.30E-05	9.63E-05	3.21E-05
677	564274.34	4191164.46	1.58E-03	6.09E-04	2.54E-04	9.54E-05	1.50E-04	6.83E-05	1.24E-04	4.14E-05
678	564290.17	4191160.84	2.03E-03	7.81E-04	3.26E-04	1.22E-04	1.92E-04	8.76E-05	1.59E-04	5.31E-05
679	564148.33	4191295.19	9.41E-04	3.62E-04	1.51E-04	5.67E-05	8.90E-05	4.06E-05	7.38E-05	2.46E-05
680	564145.57	4191311.35	9.62E-04	3.70E-04	1.54E-04	5.80E-05	9.11E-05	4.15E-05	7.55E-05	2.51E-05
681	564142.8	4191327.52	1.01E-03	3.88E-04	1.62E-04	6.09E-05	9.56E-05	4.36E-05	7.92E-05	2.64E-05
682	564144.17	4191278.57	8.67E-04	3.34E-04	1.39E-04	5.23E-05	8.21E-05	3.74E-05	6.80E-05	2.27E-05
683	564152.79	4191264.87	8.92E-04	3.43E-04	1.43E-04	5.38E-05	8.45E-05	3.85E-05	7.00E-05	2.33E-05
684	564161.41	4191251.17	8.92E-04	3.43E-04	1.43E-04	5.38E-05	8.45E-05	3.85E-05	7.00E-05	2.33E-05
685	564170.03	4191237.47	8.65E-04	3.33E-04	1.39E-04	5.21E-05	8.19E-05	3.73E-05	6.79E-05	2.26E-05

686	564178.65	4191223.77	8.25E-04	3.17E-04	1.32E-04	4.97E-05	7.81E-05	3.56E-05	6.47E-05	2.16E-05
687	564187.28	4191210.07	7.85E-04	3.02E-04	1.26E-04	4.73E-05	7.44E-05	3.39E-05	6.16E-05	2.05E-05
688	564221.03	4191167.17	7.68E-04	2.96E-04	1.23E-04	4.63E-05	7.27E-05	3.32E-05	6.03E-05	2.01E-05
689	564236.8	4191163.56	8.92E-04	3.43E-04	1.43E-04	5.38E-05	8.45E-05	3.85E-05	7.00E-05	2.33E-05
690	564252.58	4191159.95	1.09E-03	4.18E-04	1.74E-04	6.54E-05	1.03E-04	4.68E-05	8.51E-05	2.84E-05
691	564268.36	4191156.35	1.38E-03	5.29E-04	2.21E-04	8.29E-05	1.30E-04	5.94E-05	1.08E-04	3.60E-05
692	564299.92	4191149.13	2.17E-03	8.34E-04	3.48E-04	1.31E-04	2.05E-04	9.35E-05	1.70E-04	5.66E-05
693	564315.7	4191145.52	2.54E-03	9.77E-04	4.08E-04	1.53E-04	2.40E-04	1.10E-04	1.99E-04	6.64E-05
694	564331.47	4191141.91	2.85E-03	1.10E-03	4.57E-04	1.72E-04	2.69E-04	1.23E-04	2.23E-04	7.44E-05
695	564138.48	4191293.5	8.53E-04	3.28E-04	1.37E-04	5.14E-05	8.07E-05	3.68E-05	6.69E-05	2.23E-05
696	564135.71	4191309.67	8.70E-04	3.35E-04	1.40E-04	5.25E-05	8.24E-05	3.76E-05	6.83E-05	2.27E-05
697	564132.94	4191325.84	9.10E-04	3.50E-04	1.46E-04	5.48E-05	8.61E-05	3.93E-05	7.14E-05	2.38E-05
698	564134.3	4191276.9	7.90E-04	3.04E-04	1.27E-04	4.76E-05	7.48E-05	3.41E-05	6.20E-05	2.06E-05
699	564142.9	4191263.24	8.18E-04	3.15E-04	1.31E-04	4.93E-05	7.74E-05	3.53E-05	6.42E-05	2.14E-05
700	564151.49	4191249.59	8.22E-04	3.16E-04	1.32E-04	4.95E-05	7.78E-05	3.55E-05	6.45E-05	2.15E-05
701	564160.08	4191235.93	8.02E-04	3.08E-04	1.29E-04	4.83E-05	7.59E-05	3.46E-05	6.29E-05	2.10E-05
702	564168.68	4191222.27	7.66E-04	2.95E-04	1.23E-04	4.62E-05	7.25E-05	3.31E-05	6.01E-05	2.00E-05
703	564177.27	4191208.62	7.29E-04	2.80E-04	1.17E-04	4.39E-05	6.90E-05	3.15E-05	5.72E-05	1.91E-05
704	564185.87	4191194.96	7.00E-04	2.69E-04	1.12E-04	4.22E-05	6.62E-05	3.02E-05	5.49E-05	1.83E-05
705	564194.46	4191181.3	6.78E-04	2.61E-04	1.09E-04	4.08E-05	6.41E-05	2.92E-05	5.32E-05	1.77E-05
706	564215.22	4191159.02	7.01E-04	2.70E-04	1.12E-04	4.22E-05	6.63E-05	3.02E-05	5.50E-05	1.83E-05
707	564230.95	4191155.42	8.07E-04	3.10E-04	1.29E-04	4.86E-05	7.64E-05	3.48E-05	6.33E-05	2.11E-05
708	564246.68	4191151.83	9.68E-04	3.72E-04	1.55E-04	5.83E-05	9.16E-05	4.18E-05	7.59E-05	2.53E-05
709	564278.13	4191144.63	1.53E-03	5.89E-04	2.46E-04	9.23E-05	1.45E-04	6.61E-05	1.20E-04	4.00E-05
710	564293.86	4191141.03	1.89E-03	7.28E-04	3.04E-04	1.14E-04	1.79E-04	8.17E-05	1.49E-04	4.95E-05
711	564309.59	4191137.44	2.24E-03	8.60E-04	3.59E-04	1.35E-04	2.12E-04	9.65E-05	1.75E-04	5.84E-05
712	564325.32	4191133.84	2.53E-03	9.72E-04	4.05E-04	1.52E-04	2.39E-04	1.09E-04	1.98E-04	6.60E-05
713	564128.62	4191291.81	7.76E-04	2.98E-04	1.24E-04	4.68E-05	7.34E-05	3.35E-05	6.08E-05	2.03E-05
714	564125.85	4191307.98	7.91E-04	3.04E-04	1.27E-04	4.77E-05	7.49E-05	3.42E-05	6.21E-05	2.07E-05
715	564123.08	4191324.15	8.24E-04	3.17E-04	1.32E-04	4.97E-05	7.80E-05	3.56E-05	6.47E-05	2.15E-05
716	564124.43	4191275.23	7.22E-04	2.78E-04	1.16E-04	4.35E-05	6.83E-05	3.12E-05	5.66E-05	1.89E-05
717	564133	4191261.61	7.49E-04	2.88E-04	1.20E-04	4.52E-05	7.09E-05	3.23E-05	5.88E-05	1.96E-05
718	564141.57	4191247.99	7.59E-04	2.92E-04	1.22E-04	4.57E-05	7.18E-05	3.27E-05	5.95E-05	1.98E-05
719	564150.14	4191234.38	7.45E-04	2.87E-04	1.19E-04	4.49E-05	7.05E-05	3.21E-05	5.84E-05	1.95E-05
720	564158.71	4191220.76	7.14E-04	2.75E-04	1.15E-04	4.30E-05	6.76E-05	3.08E-05	5.60E-05	1.87E-05
721	564167.28	4191207.14	6.79E-04	2.61E-04	1.09E-04	4.09E-05	6.43E-05	2.93E-05	5.33E-05	1.78E-05
722	564175.86	4191193.52	6.51E-04	2.50E-04	1.04E-04	3.92E-05	6.16E-05	2.81E-05	5.11E-05	1.70E-05
723	564184.43	4191179.9	6.30E-04	2.42E-04	1.01E-04	3.80E-05	5.96E-05	2.72E-05	4.94E-05	1.65E-05
724	564193	4191166.28	6.15E-04	2.37E-04	9.87E-05	3.71E-05	5.82E-05	2.65E-05	4.82E-05	1.61E-05
725	564256.47	4191140.11	1.07E-03	4.12E-04	1.72E-04	6.45E-05	1.01E-04	4.62E-05	8.39E-05	2.80E-05
726	564272.15	4191136.52	1.34E-03	5.17E-04	2.16E-04	8.10E-05	1.27E-04	5.80E-05	1.05E-04	3.51E-05
727	564287.84	4191132.93	1.66E-03	6.40E-04	2.67E-04	1.00E-04	1.57E-04	7.17E-05	1.30E-04	4.34E-05
728	564303.52	4191129.34	1.98E-03	7.60E-04	3.17E-04	1.19E-04	1.87E-04	8.53E-05	1.55E-04	5.16E-05
729	564319.21	4191125.76	2.25E-03	8.66E-04	3.61E-04	1.36E-04	2.13E-04	9.71E-05	1.76E-04	5.88E-05
730	564334.9	4191122.17	2.46E-03	9.46E-04	3.95E-04	1.48E-04	2.33E-04	1.06E-04	1.93E-04	6.43E-05
731	564118.76	4191290.12	7.08E-04	2.73E-04	1.14E-04	4.27E-05	6.71E-05	3.06E-05	5.56E-05	1.85E-05
732	564116	4191306.29	7.22E-04	2.78E-04	1.16E-04	4.36E-05	6.84E-05	3.12E-05	5.67E-05	1.89E-05
733	564113.23	4191322.46	7.51E-04	2.89E-04	1.20E-04	4.53E-05	7.11E-05	3.24E-05	5.89E-05	1.96E-05
734	564114.57	4191273.56	6.63E-04	2.55E-04	1.06E-04	3.99E-05	6.27E-05	2.86E-05	5.20E-05	1.73E-05
735	564123.11	4191259.98	6.89E-04	2.65E-04	1.10E-04	4.15E-05	6.52E-05	2.97E-05	5.40E-05	1.80E-05
736	564131.66	4191246.39	7.00E-04	2.69E-04	1.12E-04	4.22E-05	6.63E-05	3.02E-05	5.49E-05	1.83E-05
737	564140.21	4191232.81	6.92E-04	2.66E-04	1.11E-04	4.17E-05	6.56E-05	2.99E-05	5.43E-05	1.81E-05
738	564148.76	4191219.22	6.67E-04	2.57E-04	1.07E-04	4.02E-05	6.31E-05	2.88E-05	5.23E-05	1.74E-05

739	564157.31	4191205.64	6.35E-04	2.44E-04	1.02E-04	3.83E-05	6.01E-05	2.74E-05	4.98E-05	1.66E-05
740	564165.86	4191192.05	6.08E-04	2.34E-04	9.75E-05	3.66E-05	5.75E-05	2.62E-05	4.77E-05	1.59E-05
741	564174.41	4191178.47	5.88E-04	2.26E-04	9.43E-05	3.54E-05	5.57E-05	2.54E-05	4.61E-05	1.54E-05
742	564182.96	4191164.88	5.73E-04	2.21E-04	9.19E-05	3.45E-05	5.42E-05	2.47E-05	4.50E-05	1.50E-05
743	564191.51	4191151.3	5.64E-04	2.17E-04	9.05E-05	3.40E-05	5.34E-05	2.43E-05	4.42E-05	1.47E-05
744	564234.9	4191135.56	7.85E-04	3.02E-04	1.26E-04	4.73E-05	7.43E-05	3.39E-05	6.16E-05	2.05E-05
745	564250.54	4191131.98	9.53E-04	3.67E-04	1.53E-04	5.75E-05	9.02E-05	4.11E-05	7.48E-05	2.49E-05
746	564266.19	4191128.4	1.19E-03	4.56E-04	1.90E-04	7.14E-05	1.12E-04	5.12E-05	9.30E-05	3.10E-05
747	564281.84	4191124.83	1.47E-03	5.64E-04	2.35E-04	8.84E-05	1.39E-04	6.33E-05	1.15E-04	3.83E-05
748	564297.48	4191121.25	1.75E-03	6.74E-04	2.81E-04	1.06E-04	1.66E-04	7.56E-05	1.37E-04	4.58E-05
749	564313.13	4191117.67	2.01E-03	7.72E-04	3.22E-04	1.21E-04	1.90E-04	8.67E-05	1.57E-04	5.25E-05
750	564328.78	4191114.09	2.21E-03	8.52E-04	3.55E-04	1.34E-04	2.10E-04	9.56E-05	1.74E-04	5.79E-05
751	564108.91	4191288.44	6.50E-04	2.50E-04	1.04E-04	3.92E-05	6.16E-05	2.81E-05	5.10E-05	1.70E-05
752	564106.14	4191304.61	6.62E-04	2.55E-04	1.06E-04	3.99E-05	6.27E-05	2.86E-05	5.19E-05	1.73E-05
753	564103.37	4191320.77	6.86E-04	2.64E-04	1.10E-04	4.13E-05	6.49E-05	2.96E-05	5.38E-05	1.79E-05
754	564104.7	4191271.89	6.12E-04	2.36E-04	9.82E-05	3.69E-05	5.80E-05	2.64E-05	4.80E-05	1.60E-05
755	564113.23	4191258.33	6.35E-04	2.44E-04	1.02E-04	3.83E-05	6.01E-05	2.74E-05	4.98E-05	1.66E-05
756	564121.76	4191244.78	6.48E-04	2.49E-04	1.04E-04	3.90E-05	6.13E-05	2.80E-05	5.08E-05	1.69E-05
757	564130.29	4191231.23	6.44E-04	2.48E-04	1.03E-04	3.88E-05	6.09E-05	2.78E-05	5.05E-05	1.68E-05
758	564138.82	4191217.67	6.24E-04	2.40E-04	1.00E-04	3.76E-05	5.91E-05	2.69E-05	4.89E-05	1.63E-05
759	564147.35	4191204.12	5.95E-04	2.29E-04	9.55E-05	3.59E-05	5.63E-05	2.57E-05	4.67E-05	1.56E-05
760	564155.88	4191190.57	5.69E-04	2.19E-04	9.13E-05	3.43E-05	5.39E-05	2.46E-05	4.47E-05	1.49E-05
761	564164.41	4191177.01	5.50E-04	2.12E-04	8.82E-05	3.31E-05	5.21E-05	2.37E-05	4.31E-05	1.44E-05
762	564172.94	4191163.46	5.36E-04	2.06E-04	8.60E-05	3.23E-05	5.07E-05	2.31E-05	4.21E-05	1.40E-05
763	564181.47	4191149.9	5.25E-04	2.02E-04	8.42E-05	3.17E-05	4.97E-05	2.27E-05	4.12E-05	1.37E-05
764	564213.41	4191130.99	6.13E-04	2.36E-04	9.83E-05	3.69E-05	5.80E-05	2.64E-05	4.81E-05	1.60E-05
765	564229.02	4191127.42	7.10E-04	2.73E-04	1.14E-04	4.28E-05	6.72E-05	3.06E-05	5.57E-05	1.86E-05
766	564244.63	4191123.85	8.53E-04	3.28E-04	1.37E-04	5.14E-05	8.08E-05	3.68E-05	6.70E-05	2.23E-05
767	564260.25	4191120.28	1.05E-03	4.05E-04	1.69E-04	6.35E-05	9.96E-05	4.54E-05	8.26E-05	2.75E-05
768	564275.86	4191116.71	1.30E-03	5.00E-04	2.08E-04	7.83E-05	1.23E-04	5.60E-05	1.02E-04	3.39E-05
769	564291.47	4191113.14	1.56E-03	5.99E-04	2.50E-04	9.38E-05	1.47E-04	6.72E-05	1.22E-04	4.07E-05
770	564307.08	4191109.57	1.80E-03	6.91E-04	2.88E-04	1.08E-04	1.70E-04	7.75E-05	1.41E-04	4.69E-05
771	564322.69	4191106	2.00E-03	7.69E-04	3.21E-04	1.21E-04	1.89E-04	8.63E-05	1.57E-04	5.23E-05
772	564338.3	4191102.43	2.14E-03	8.23E-04	3.43E-04	1.29E-04	2.02E-04	9.23E-05	1.68E-04	5.59E-05
773	564099.05	4191286.75	6.00E-04	2.31E-04	9.63E-05	3.62E-05	5.68E-05	2.59E-05	4.71E-05	1.57E-05
774	564096.28	4191302.92	6.09E-04	2.34E-04	9.77E-05	3.67E-05	5.76E-05	2.63E-05	4.78E-05	1.59E-05
775	564093.51	4191319.09	6.29E-04	2.42E-04	1.01E-04	3.79E-05	5.95E-05	2.71E-05	4.93E-05	1.64E-05
776	564094.83	4191270.22	5.68E-04	2.18E-04	9.11E-05	3.42E-05	5.37E-05	2.45E-05	4.45E-05	1.48E-05
777	564103.35	4191256.69	5.90E-04	2.27E-04	9.46E-05	3.55E-05	5.58E-05	2.54E-05	4.63E-05	1.54E-05
778	564111.86	4191243.16	6.01E-04	2.31E-04	9.64E-05	3.62E-05	5.69E-05	2.59E-05	4.72E-05	1.57E-05
779	564120.37	4191229.64	6.00E-04	2.31E-04	9.62E-05	3.62E-05	5.68E-05	2.59E-05	4.71E-05	1.57E-05
780	564128.88	4191216.11	5.84E-04	2.25E-04	9.37E-05	3.52E-05	5.53E-05	2.52E-05	4.58E-05	1.53E-05
781	564137.39	4191202.59	5.59E-04	2.15E-04	8.97E-05	3.37E-05	5.30E-05	2.41E-05	4.39E-05	1.46E-05
782	564145.91	4191189.06	5.35E-04	2.06E-04	8.58E-05	3.22E-05	5.06E-05	2.31E-05	4.19E-05	1.40E-05
783	564154.42	4191175.53	5.16E-04	1.98E-04	8.27E-05	3.11E-05	4.88E-05	2.23E-05	4.05E-05	1.35E-05
784	564162.93	4191162.01	5.02E-04	1.93E-04	8.05E-05	3.03E-05	4.75E-05	2.17E-05	3.94E-05	1.31E-05
785	564171.44	4191148.48	4.91E-04	1.89E-04	7.88E-05	2.96E-05	4.65E-05	2.12E-05	3.85E-05	1.28E-05
786	564192	4191126.41	5.07E-04	1.95E-04	8.13E-05	3.05E-05	4.80E-05	2.19E-05	3.98E-05	1.32E-05
787	564223.16	4191119.29	6.46E-04	2.49E-04	1.04E-04	3.90E-05	6.12E-05	2.79E-05	5.07E-05	1.69E-05
788	564238.74	4191115.72	7.68E-04	2.95E-04	1.23E-04	4.63E-05	7.27E-05	3.31E-05	6.02E-05	2.01E-05
789	564254.31	4191112.16	9.39E-04	3.61E-04	1.51E-04	5.66E-05	8.89E-05	4.05E-05	7.37E-05	2.46E-05
790	564269.89	4191108.6	1.16E-03	4.44E-04	1.85E-04	6.96E-05	1.09E-04	4.99E-05	9.06E-05	3.02E-05
791	564285.47	4191105.03	1.39E-03	5.34E-04	2.23E-04	8.36E-05	1.31E-04	5.99E-05	1.09E-04	3.63E-05

792	564301.05	4191101.47	1.61E-03	6.18E-04	2.58E-04	9.68E-05	1.52E-04	6.93E-05	1.26E-04	4.20E-05
793	564316.63	4191097.91	1.80E-03	6.91E-04	2.88E-04	1.08E-04	1.70E-04	7.75E-05	1.41E-04	4.69E-05
794	564332.21	4191094.35	1.94E-03	7.48E-04	3.12E-04	1.17E-04	1.84E-04	8.39E-05	1.53E-04	5.08E-05
795	564089.19	4191285.06	5.56E-04	2.14E-04	8.92E-05	3.35E-05	5.26E-05	2.40E-05	4.36E-05	1.45E-05
796	564086.43	4191301.23	5.62E-04	2.16E-04	9.02E-05	3.39E-05	5.32E-05	2.43E-05	4.41E-05	1.47E-05
797	564083.66	4191317.4	5.79E-04	2.23E-04	9.28E-05	3.49E-05	5.48E-05	2.50E-05	4.54E-05	1.51E-05
798	564084.97	4191268.54	5.28E-04	2.03E-04	8.47E-05	3.18E-05	5.00E-05	2.28E-05	4.14E-05	1.38E-05
799	564093.47	4191255.04	5.48E-04	2.11E-04	8.80E-05	3.31E-05	5.19E-05	2.37E-05	4.30E-05	1.43E-05
800	564101.96	4191241.54	5.60E-04	2.15E-04	8.98E-05	3.37E-05	5.30E-05	2.42E-05	4.39E-05	1.46E-05
801	564110.46	4191228.04	5.60E-04	2.16E-04	8.99E-05	3.38E-05	5.30E-05	2.42E-05	4.39E-05	1.46E-05
802	564118.95	4191214.54	5.48E-04	2.11E-04	8.80E-05	3.31E-05	5.19E-05	2.37E-05	4.30E-05	1.43E-05
803	564127.45	4191201.04	5.27E-04	2.03E-04	8.46E-05	3.18E-05	4.99E-05	2.28E-05	4.14E-05	1.38E-05
804	564135.94	4191187.54	5.04E-04	1.94E-04	8.09E-05	3.04E-05	4.77E-05	2.18E-05	3.96E-05	1.32E-05
805	564144.44	4191174.04	4.85E-04	1.87E-04	7.78E-05	2.92E-05	4.59E-05	2.09E-05	3.81E-05	1.27E-05
806	564152.94	4191160.54	4.71E-04	1.81E-04	7.56E-05	2.84E-05	4.46E-05	2.04E-05	3.70E-05	1.23E-05
807	564161.43	4191147.04	4.61E-04	1.77E-04	7.39E-05	2.78E-05	4.36E-05	1.99E-05	3.62E-05	1.20E-05
808	564186.2	4191118.26	4.71E-04	1.81E-04	7.56E-05	2.84E-05	4.46E-05	2.04E-05	3.70E-05	1.23E-05
809	564217.3	4191111.15	5.92E-04	2.28E-04	9.50E-05	3.57E-05	5.61E-05	2.56E-05	4.65E-05	1.55E-05
810	564232.85	4191107.59	6.94E-04	2.67E-04	1.11E-04	4.18E-05	6.57E-05	3.00E-05	5.44E-05	1.81E-05
811	564248.4	4191104.03	8.42E-04	3.24E-04	1.35E-04	5.08E-05	7.97E-05	3.64E-05	6.61E-05	2.20E-05
812	564263.95	4191100.48	1.03E-03	3.97E-04	1.66E-04	6.22E-05	9.77E-05	4.45E-05	8.09E-05	2.70E-05
813	564279.5	4191096.92	1.24E-03	4.77E-04	1.99E-04	7.47E-05	1.17E-04	5.35E-05	9.72E-05	3.24E-05
814	564295.05	4191093.37	1.44E-03	5.53E-04	2.30E-04	8.66E-05	1.36E-04	6.20E-05	1.13E-04	3.76E-05
815	564310.59	4191089.81	0.001616	6.22E-04	2.59E-04	9.74E-05	1.53E-04	6.97E-05	1.27E-04	4.22E-05
816	564326.14	4191086.25	0.001765	6.79E-04	2.83E-04	1.06E-04	1.67E-04	7.62E-05	1.38E-04	4.61E-05
817	564341.69	4191082.7	0.001878	7.23E-04	3.01E-04	1.13E-04	1.78E-04	8.11E-05	1.47E-04	4.91E-05
818	564079.34	4191283.37	0.000516	1.99E-04	8.28E-05	3.11E-05	4.88E-05	2.23E-05	4.05E-05	1.35E-05
819	564076.57	4191299.54	0.000521	2.00E-04	8.36E-05	3.14E-05	4.93E-05	2.25E-05	4.09E-05	1.36E-05
820	564073.8	4191315.71	0.000536	2.06E-04	8.60E-05	3.23E-05	5.07E-05	2.31E-05	4.21E-05	1.40E-05
821	564075.11	4191266.86	0.000491	1.89E-04	7.87E-05	2.96E-05	4.65E-05	2.12E-05	3.85E-05	1.28E-05
822	564083.59	4191253.39	0.000511	1.97E-04	8.20E-05	3.08E-05	4.84E-05	2.21E-05	4.01E-05	1.34E-05
823	564092.07	4191239.91	0.000522	2.01E-04	8.38E-05	3.15E-05	4.95E-05	2.26E-05	4.10E-05	1.37E-05
824	564100.55	4191226.43	0.000524	2.02E-04	8.40E-05	3.16E-05	4.96E-05	2.26E-05	4.11E-05	1.37E-05
825	564109.03	4191212.96	0.000515	1.98E-04	8.27E-05	3.11E-05	4.88E-05	2.23E-05	4.04E-05	1.35E-05
826	564117.51	4191199.48	0.000498	1.92E-04	7.99E-05	3.00E-05	4.72E-05	2.15E-05	3.91E-05	1.30E-05
827	564125.99	4191186	0.000477	1.83E-04	7.65E-05	2.87E-05	4.51E-05	2.06E-05	3.74E-05	1.25E-05
828	564134.47	4191172.53	0.000458	1.76E-04	7.35E-05	2.76E-05	4.33E-05	1.98E-05	3.59E-05	1.20E-05
829	564142.95	4191159.05	0.000444	1.71E-04	7.13E-05	2.68E-05	4.21E-05	1.92E-05	3.49E-05	1.16E-05
830	564151.44	4191145.57	0.000434	1.67E-04	6.97E-05	2.62E-05	4.11E-05	1.87E-05	3.41E-05	1.13E-05
831	564168.4	4191118.62	0.000422	1.63E-04	6.78E-05	2.55E-05	4.00E-05	1.82E-05	3.31E-05	1.10E-05
832	564180.4	4191110.11	0.00044	1.69E-04	7.06E-05	2.65E-05	4.16E-05	1.90E-05	3.45E-05	1.15E-05
833	564195.92	4191106.56	0.000485	1.86E-04	7.77E-05	2.92E-05	4.59E-05	2.09E-05	3.80E-05	1.27E-05
834	564226.97	4191099.46	0.000633	2.44E-04	1.02E-04	3.82E-05	5.99E-05	2.73E-05	4.97E-05	1.65E-05
835	564242.49	4191095.91	0.00076	2.92E-04	1.22E-04	4.58E-05	7.19E-05	3.28E-05	5.96E-05	1.99E-05
836	564258.01	4191092.36	0.000926	3.56E-04	1.48E-04	5.58E-05	8.76E-05	4.00E-05	7.26E-05	2.42E-05
837	564273.53	4191088.81	0.001111	4.28E-04	1.78E-04	6.70E-05	1.05E-04	4.80E-05	8.72E-05	2.90E-05
838	564289.06	4191085.26	0.001291	4.97E-04	2.07E-04	7.78E-05	1.22E-04	5.57E-05	1.01E-04	3.37E-05
839	564304.58	4191081.71	0.001457	5.61E-04	2.34E-04	8.78E-05	1.38E-04	6.29E-05	1.14E-04	3.81E-05
840	564320.1	4191078.16	0.001601	6.16E-04	2.57E-04	9.65E-05	1.52E-04	6.91E-05	1.26E-04	4.19E-05
841	564335.62	4191074.61	0.00172	6.62E-04	2.76E-04	1.04E-04	1.63E-04	7.43E-05	1.35E-04	4.50E-05
842	564069.48	4191281.69	0.000479	1.84E-04	7.69E-05	2.89E-05	4.54E-05	2.07E-05	3.76E-05	1.25E-05
843	564066.71	4191297.86	0.000484	1.86E-04	7.76E-05	2.92E-05	4.58E-05	2.09E-05	3.80E-05	1.26E-05
844	564063.95	4191314.02	0.000498	1.92E-04	7.99E-05	3.00E-05	4.71E-05	2.15E-05	3.91E-05	1.30E-05

845	564065.24	4191265.19	0.000457	1.76E-04	7.33E-05	2.76E-05	4.33E-05	1.97E-05	3.59E-05	1.20E-05
846	564073.71	4191251.73	0.000476	1.83E-04	7.64E-05	2.87E-05	4.51E-05	2.06E-05	3.74E-05	1.25E-05
847	564082.18	4191238.28	0.000489	1.88E-04	7.84E-05	2.94E-05	4.62E-05	2.11E-05	3.83E-05	1.28E-05
848	564090.64	4191224.82	0.000491	1.89E-04	7.88E-05	2.96E-05	4.65E-05	2.12E-05	3.85E-05	1.28E-05
849	564099.11	4191211.37	0.000485	1.87E-04	7.78E-05	2.92E-05	4.59E-05	2.09E-05	3.80E-05	1.27E-05
850	564107.58	4191197.91	0.000471	1.81E-04	7.55E-05	2.84E-05	4.46E-05	2.03E-05	3.69E-05	1.23E-05
851	564116.05	4191184.46	0.000451	1.74E-04	7.24E-05	2.72E-05	4.27E-05	1.95E-05	3.54E-05	1.18E-05
852	564124.51	4191171	0.000433	1.67E-04	6.95E-05	2.61E-05	4.10E-05	1.87E-05	3.40E-05	1.13E-05
853	564132.98	4191157.55	0.000419	1.61E-04	6.73E-05	2.53E-05	3.97E-05	1.81E-05	3.29E-05	1.10E-05
854	564141.45	4191144.09	0.00041	1.58E-04	6.58E-05	2.47E-05	3.88E-05	1.77E-05	3.22E-05	1.07E-05
855	564158.38	4191117.18	0.000397	1.53E-04	6.37E-05	2.39E-05	3.76E-05	1.71E-05	3.12E-05	1.04E-05
856	564174.6	4191101.95	0.000411	1.58E-04	6.60E-05	2.48E-05	3.90E-05	1.78E-05	3.23E-05	1.08E-05
857	564190.1	4191098.41	0.000451	1.73E-04	7.23E-05	2.72E-05	4.27E-05	1.94E-05	3.53E-05	1.18E-05
858	564221.09	4191091.32	0.00058	2.23E-04	9.30E-05	3.50E-05	5.49E-05	2.50E-05	4.55E-05	1.52E-05
859	564236.59	4191087.78	0.000689	2.65E-04	1.11E-04	4.15E-05	6.52E-05	2.97E-05	5.40E-05	1.80E-05
860	564252.09	4191084.23	0.000834	3.21E-04	1.34E-04	5.03E-05	7.89E-05	3.60E-05	6.54E-05	2.18E-05
861	564267.59	4191080.69	0.001002	3.86E-04	1.61E-04	6.04E-05	9.48E-05	4.32E-05	7.86E-05	2.62E-05
862	564283.08	4191077.14	0.001166	4.49E-04	1.87E-04	7.03E-05	1.10E-04	5.03E-05	9.15E-05	3.05E-05
863	564298.58	4191073.6	0.001319	5.07E-04	2.12E-04	7.95E-05	1.25E-04	5.69E-05	1.03E-04	3.45E-05
864	564314.08	4191070.05	0.00146	5.62E-04	2.34E-04	8.80E-05	1.38E-04	6.30E-05	1.15E-04	3.82E-05
865	564059.62	4191280	0.000446	1.72E-04	7.16E-05	2.69E-05	4.23E-05	1.93E-05	3.50E-05	1.17E-05
866	564056.86	4191296.17	0.000451	1.73E-04	7.23E-05	2.72E-05	4.27E-05	1.95E-05	3.54E-05	1.18E-05
867	564054.09	4191312.34	0.000464	1.78E-04	7.44E-05	2.80E-05	4.39E-05	2.00E-05	3.64E-05	1.21E-05
868	564055.38	4191263.51	0.000427	1.64E-04	6.85E-05	2.57E-05	4.04E-05	1.84E-05	3.35E-05	1.12E-05
869	564063.83	4191250.08	0.000445	1.71E-04	7.14E-05	2.68E-05	4.21E-05	1.92E-05	3.49E-05	1.16E-05
870	564072.29	4191236.64	0.000458	1.76E-04	7.35E-05	2.76E-05	4.33E-05	1.98E-05	3.59E-05	1.20E-05
871	564080.74	4191223.2	0.000461	1.77E-04	7.40E-05	2.78E-05	4.37E-05	1.99E-05	3.62E-05	1.21E-05
872	564089.2	4191209.77	0.000457	1.76E-04	7.33E-05	2.75E-05	4.33E-05	1.97E-05	3.58E-05	1.19E-05
873	564097.65	4191196.33	0.000445	1.71E-04	7.14E-05	2.68E-05	4.21E-05	1.92E-05	3.49E-05	1.16E-05
874	564106.11	4191182.9	0.000428	1.65E-04	6.87E-05	2.58E-05	4.05E-05	1.85E-05	3.36E-05	1.12E-05
875	564114.56	4191169.46	0.00041	1.58E-04	6.58E-05	2.47E-05	3.88E-05	1.77E-05	3.22E-05	1.07E-05
876	564123.02	4191156.03	0.000397	1.53E-04	6.37E-05	2.39E-05	3.76E-05	1.71E-05	3.11E-05	1.04E-05
877	564131.47	4191142.59	0.000388	1.49E-04	6.22E-05	2.34E-05	3.67E-05	1.67E-05	3.04E-05	1.01E-05
878	564148.38	4191115.72	0.000374	1.44E-04	6.01E-05	2.26E-05	3.54E-05	1.62E-05	2.94E-05	9.79E-06
879	564156.84	4191102.29	0.000372	1.43E-04	5.96E-05	2.24E-05	3.52E-05	1.60E-05	2.91E-05	9.71E-06
880	564168.8	4191093.8	0.000386	1.49E-04	6.19E-05	2.33E-05	3.65E-05	1.67E-05	3.03E-05	1.01E-05
881	564184.28	4191090.26	0.000421	1.62E-04	6.75E-05	2.54E-05	3.98E-05	1.82E-05	3.30E-05	1.10E-05
882	564199.75	4191086.72	0.000467	1.80E-04	7.49E-05	2.81E-05	4.42E-05	2.01E-05	3.66E-05	1.22E-05
883	564230.7	4191079.64	0.000627	2.41E-04	1.01E-04	3.78E-05	5.94E-05	2.71E-05	4.92E-05	1.64E-05
884	564246.18	4191076.1	0.000754	2.90E-04	1.21E-04	4.55E-05	7.14E-05	3.26E-05	5.92E-05	1.97E-05
885	564261.65	4191072.56	0.000906	3.49E-04	1.45E-04	5.46E-05	8.58E-05	3.91E-05	7.11E-05	2.37E-05
886	564277.13	4191069.02	0.001059	4.08E-04	1.70E-04	6.39E-05	1.00E-04	4.57E-05	8.31E-05	2.77E-05
887	564292.6	4191065.49	0.001201	4.62E-04	1.93E-04	7.24E-05	1.14E-04	5.18E-05	9.42E-05	3.14E-05
888	564339.03	4191054.87	0.001544	5.94E-04	2.48E-04	9.30E-05	1.46E-04	6.66E-05	1.21E-04	4.03E-05
889	564049.77	4191278.31	0.000417	1.61E-04	6.69E-05	2.52E-05	3.95E-05	1.80E-05	3.27E-05	1.09E-05
890	564047	4191294.48	0.000421	1.62E-04	6.75E-05	2.54E-05	3.98E-05	1.82E-05	3.30E-05	1.10E-05
891	564044.23	4191310.65	0.000432	1.66E-04	6.93E-05	2.61E-05	4.09E-05	1.87E-05	3.39E-05	1.13E-05
892	564045.52	4191261.83	0.0004	1.54E-04	6.42E-05	2.41E-05	3.79E-05	1.73E-05	3.14E-05	1.05E-05
893	564053.96	4191248.42	0.000417	1.61E-04	6.69E-05	2.51E-05	3.95E-05	1.80E-05	3.27E-05	1.09E-05
894	564062.4	4191235	0.00043	1.66E-04	6.90E-05	2.59E-05	4.07E-05	1.86E-05	3.37E-05	1.12E-05
895	564070.85	4191221.58	0.000435	1.67E-04	6.98E-05	2.62E-05	4.12E-05	1.88E-05	3.41E-05	1.14E-05
896	564079.29	4191208.16	0.000431	1.66E-04	6.92E-05	2.60E-05	4.08E-05	1.86E-05	3.38E-05	1.13E-05
897	564087.73	4191194.75	0.000421	1.62E-04	6.76E-05	2.54E-05	3.99E-05	1.82E-05	3.31E-05	1.10E-05

898	564096.18	4191181.33	0.000406	1.56E-04	6.52E-05	2.45E-05	3.85E-05	1.75E-05	3.19E-05	1.06E-05
899	564104.62	4191167.91	0.00039	1.50E-04	6.26E-05	2.35E-05	3.69E-05	1.68E-05	3.06E-05	1.02E-05
900	564113.06	4191154.5	0.000377	1.45E-04	6.04E-05	2.27E-05	3.56E-05	1.63E-05	2.95E-05	9.84E-06
901	564121.51	4191141.08	0.000367	1.41E-04	5.89E-05	2.21E-05	3.47E-05	1.58E-05	2.88E-05	9.59E-06
902	564138.39	4191114.25	0.000354	1.36E-04	5.68E-05	2.13E-05	3.35E-05	1.53E-05	2.78E-05	9.26E-06
903	564146.84	4191100.83	0.00035	1.35E-04	5.62E-05	2.11E-05	3.32E-05	1.51E-05	2.75E-05	9.16E-06
904	564163.01	4191085.65	0.000363	1.40E-04	5.82E-05	2.19E-05	3.43E-05	1.57E-05	2.85E-05	9.48E-06
905	564178.46	4191082.11	0.000394	1.52E-04	6.32E-05	2.37E-05	3.73E-05	1.70E-05	3.09E-05	1.03E-05
906	564193.91	4191078.58	0.000434	1.67E-04	6.97E-05	2.62E-05	4.11E-05	1.87E-05	3.41E-05	1.13E-05
907	564224.82	4191071.51	0.000574	2.21E-04	9.21E-05	3.46E-05	5.43E-05	2.48E-05	4.50E-05	1.50E-05
908	564240.28	4191067.97	0.000685	2.64E-04	1.10E-04	4.13E-05	6.49E-05	2.96E-05	5.38E-05	1.79E-05
909	564255.73	4191064.44	0.000821	3.16E-04	1.32E-04	4.95E-05	7.77E-05	3.54E-05	6.44E-05	2.15E-05
910	564271.18	4191060.91	0.000964	3.71E-04	1.55E-04	5.81E-05	9.13E-05	4.16E-05	7.57E-05	2.52E-05
911	564317.54	4191050.3	0.001334	5.13E-04	2.14E-04	8.04E-05	1.26E-04	5.76E-05	1.05E-04	3.49E-05
912	564333	4191046.77	0.001427	5.49E-04	2.29E-04	8.60E-05	1.35E-04	6.16E-05	1.12E-04	3.73E-05
913	564348.45	4191043.23	0.001495	5.75E-04	2.40E-04	9.01E-05	1.42E-04	6.46E-05	1.17E-04	3.91E-05
914	564039.91	4191276.62	0.000391	1.51E-04	6.28E-05	2.36E-05	3.70E-05	1.69E-05	3.07E-05	1.02E-05
915	564037.14	4191292.79	0.000394	1.52E-04	6.33E-05	2.38E-05	3.73E-05	1.70E-05	3.09E-05	1.03E-05
916	564034.38	4191308.96	0.000404	1.55E-04	6.48E-05	2.43E-05	3.82E-05	1.74E-05	3.17E-05	1.06E-05
917	564035.66	4191260.15	0.000375	1.44E-04	6.02E-05	2.26E-05	3.55E-05	1.62E-05	2.94E-05	9.81E-06
918	564044.09	4191246.75	0.000391	1.51E-04	6.28E-05	2.36E-05	3.70E-05	1.69E-05	3.07E-05	1.02E-05
919	564052.52	4191233.35	0.000405	1.56E-04	6.49E-05	2.44E-05	3.83E-05	1.75E-05	3.18E-05	1.06E-05
920	564060.95	4191219.95	0.00041	1.58E-04	6.58E-05	2.47E-05	3.89E-05	1.77E-05	3.22E-05	1.07E-05
921	564069.39	4191206.55	0.000408	1.57E-04	6.55E-05	2.46E-05	3.86E-05	1.76E-05	3.20E-05	1.07E-05
922	564077.82	4191193.15	0.000399	1.54E-04	6.41E-05	2.41E-05	3.78E-05	1.72E-05	3.13E-05	1.04E-05
923	564086.25	4191179.75	0.000387	1.49E-04	6.20E-05	2.33E-05	3.66E-05	1.67E-05	3.03E-05	1.01E-05
924	564094.68	4191166.35	0.000372	1.43E-04	5.97E-05	2.24E-05	3.52E-05	1.61E-05	2.92E-05	9.72E-06
925	564103.12	4191152.96	0.000358	1.38E-04	5.75E-05	2.16E-05	3.39E-05	1.55E-05	2.81E-05	9.37E-06
926	564111.55	4191139.56	0.000348	1.34E-04	5.59E-05	2.10E-05	3.30E-05	1.50E-05	2.73E-05	9.11E-06
927	564128.41	4191112.76	0.000336	1.29E-04	5.39E-05	2.03E-05	3.18E-05	1.45E-05	2.64E-05	8.78E-06
928	564136.85	4191099.36	0.000332	1.28E-04	5.32E-05	2.00E-05	3.14E-05	1.43E-05	2.60E-05	8.67E-06
929	564145.28	4191085.96	0.00033	1.27E-04	5.29E-05	1.99E-05	3.12E-05	1.42E-05	2.59E-05	8.62E-06
930	564157.21	4191077.49	0.000342	1.31E-04	5.48E-05	2.06E-05	3.23E-05	1.48E-05	2.68E-05	8.93E-06
931	564172.65	4191073.96	0.00037	1.42E-04	5.94E-05	2.23E-05	3.51E-05	1.60E-05	2.90E-05	9.68E-06
932	564188.08	4191070.43	0.000406	1.56E-04	6.51E-05	2.45E-05	3.84E-05	1.75E-05	3.19E-05	1.06E-05
933	564203.51	4191066.9	0.000455	1.75E-04	7.31E-05	2.75E-05	4.31E-05	1.97E-05	3.57E-05	1.19E-05
934	564234.38	4191059.84	0.000625	2.40E-04	1.00E-04	3.77E-05	5.91E-05	2.70E-05	4.90E-05	1.63E-05
935	564249.82	4191056.31	0.000746	2.87E-04	1.20E-04	4.50E-05	7.06E-05	3.22E-05	5.85E-05	1.95E-05
936	564280.68	4191049.25	0.001006	3.87E-04	1.61E-04	6.06E-05	9.52E-05	4.34E-05	7.89E-05	2.63E-05
937	564296.12	4191045.72	0.00112	4.31E-04	1.80E-04	6.75E-05	1.06E-04	4.84E-05	8.79E-05	2.93E-05
938	564311.55	4191042.19	0.001228	4.72E-04	1.97E-04	7.40E-05	1.16E-04	5.30E-05	9.63E-05	3.21E-05
939	564326.98	4191038.66	0.001319	5.08E-04	2.12E-04	7.95E-05	1.25E-04	5.69E-05	1.03E-04	3.45E-05
940	564342.42	4191035.13	0.001388	5.34E-04	2.23E-04	8.37E-05	1.31E-04	5.99E-05	1.09E-04	3.63E-05
941	564030.05	4191274.94	0.000368	1.41E-04	5.90E-05	2.22E-05	3.48E-05	1.59E-05	2.88E-05	9.61E-06
942	564027.29	4191291.11	0.000371	1.43E-04	5.95E-05	2.23E-05	3.51E-05	1.60E-05	2.91E-05	9.69E-06
943	564024.52	4191307.27	0.000378	1.46E-04	6.07E-05	2.28E-05	3.58E-05	1.63E-05	2.97E-05	9.89E-06
944	564025.94	4191258.23	0.000353	1.36E-04	5.66E-05	2.13E-05	3.34E-05	1.52E-05	2.77E-05	9.22E-06
945	564034.67	4191244.37	0.000369	1.42E-04	5.91E-05	2.22E-05	3.49E-05	1.59E-05	2.89E-05	9.63E-06
946	564043.39	4191230.51	0.000382	1.47E-04	6.13E-05	2.30E-05	3.61E-05	1.65E-05	3.00E-05	9.98E-06
947	564052.11	4191216.65	0.000388	1.49E-04	6.22E-05	2.34E-05	3.67E-05	1.67E-05	3.04E-05	1.01E-05
948	564060.84	4191202.79	0.000385	1.48E-04	6.18E-05	2.32E-05	3.65E-05	1.66E-05	3.02E-05	1.01E-05
949	564069.56	4191188.93	0.000377	1.45E-04	6.05E-05	2.27E-05	3.57E-05	1.63E-05	2.96E-05	9.86E-06
950	564078.28	4191175.06	0.000365	1.41E-04	5.86E-05	2.20E-05	3.46E-05	1.58E-05	2.86E-05	9.54E-06

951	564087.01	4191161.2	0.000351	1.35E-04	5.63E-05	2.12E-05	3.32E-05	1.52E-05	2.76E-05	9.18E-06
952	564095.73	4191147.34	0.000338	1.30E-04	5.43E-05	2.04E-05	3.20E-05	1.46E-05	2.65E-05	8.84E-06
953	564104.45	4191133.48	0.000329	1.27E-04	5.27E-05	1.98E-05	3.11E-05	1.42E-05	2.58E-05	8.59E-06
954	564121.9	4191105.75	0.000318	1.22E-04	5.09E-05	1.91E-05	3.01E-05	1.37E-05	2.49E-05	8.30E-06
955	564130.62	4191091.89	0.000314	1.21E-04	5.03E-05	1.89E-05	2.97E-05	1.35E-05	2.46E-05	8.20E-06
956	564139.35	4191078.03	0.000312	1.20E-04	5.00E-05	1.88E-05	2.95E-05	1.35E-05	2.45E-05	8.15E-06
957	564151.69	4191069.27	0.000323	1.24E-04	5.18E-05	1.95E-05	3.06E-05	1.39E-05	2.53E-05	8.44E-06
958	564167.66	4191065.62	0.00035	1.35E-04	5.61E-05	2.11E-05	3.31E-05	1.51E-05	2.75E-05	9.15E-06
959	564183.62	4191061.97	0.000384	1.48E-04	6.16E-05	2.32E-05	3.64E-05	1.66E-05	3.01E-05	1.00E-05
960	564199.59	4191058.32	0.000431	1.66E-04	6.91E-05	2.60E-05	4.08E-05	1.86E-05	3.38E-05	1.13E-05
961	564263.45	4191043.71	0.000835	3.21E-04	1.34E-04	5.03E-05	7.91E-05	3.60E-05	6.55E-05	2.18E-05
962	564279.42	4191040.06	0.000955	3.68E-04	1.53E-04	5.76E-05	9.04E-05	4.12E-05	7.49E-05	2.50E-05
963	564295.39	4191036.41	0.001065	4.10E-04	1.71E-04	6.42E-05	1.01E-04	4.60E-05	8.36E-05	2.78E-05
964	564311.35	4191032.76	0.001167	4.49E-04	1.87E-04	7.04E-05	1.10E-04	5.04E-05	9.16E-05	3.05E-05
965	564327.32	4191029.11	0.001253	4.82E-04	2.01E-04	7.55E-05	1.19E-04	5.41E-05	9.83E-05	3.27E-05
966	564343.28	4191025.46	0.001313	5.05E-04	2.11E-04	7.92E-05	1.24E-04	5.67E-05	1.03E-04	3.43E-05
967	564020.2	4191273.25	0.000346	1.33E-04	5.55E-05	2.09E-05	3.27E-05	1.49E-05	2.71E-05	9.04E-06
968	564017.43	4191289.42	0.000348	1.34E-04	5.59E-05	2.10E-05	3.30E-05	1.50E-05	2.73E-05	9.11E-06
969	564014.66	4191305.59	0.000356	1.37E-04	5.71E-05	2.14E-05	3.37E-05	1.54E-05	2.79E-05	9.30E-06
970	564016.08	4191256.56	0.000333	1.28E-04	5.34E-05	2.01E-05	3.15E-05	1.44E-05	2.61E-05	8.70E-06
971	564024.78	4191242.73	0.000347	1.34E-04	5.57E-05	2.09E-05	3.29E-05	1.50E-05	2.72E-05	9.07E-06
972	564033.48	4191228.9	0.00036	1.38E-04	5.77E-05	2.17E-05	3.41E-05	1.55E-05	2.82E-05	9.41E-06
973	564042.19	4191215.07	0.000367	1.41E-04	5.88E-05	2.21E-05	3.47E-05	1.58E-05	2.88E-05	9.58E-06
974	564050.89	4191201.24	0.000365	1.41E-04	5.86E-05	2.20E-05	3.46E-05	1.58E-05	2.87E-05	9.55E-06
975	564059.59	4191187.41	0.000359	1.38E-04	5.75E-05	2.16E-05	3.39E-05	1.55E-05	2.81E-05	9.37E-06
976	564068.3	4191173.58	0.000348	1.34E-04	5.58E-05	2.10E-05	3.29E-05	1.50E-05	2.73E-05	9.10E-06
977	564077	4191159.75	0.000335	1.29E-04	5.38E-05	2.02E-05	3.17E-05	1.45E-05	2.63E-05	8.77E-06
978	564085.7	4191145.92	0.000323	1.24E-04	5.18E-05	1.95E-05	3.05E-05	1.39E-05	2.53E-05	8.43E-06
979	564094.41	4191132.09	0.000313	1.21E-04	5.02E-05	1.89E-05	2.96E-05	1.35E-05	2.46E-05	8.18E-06
980	564111.81	4191104.43	0.000302	1.16E-04	4.85E-05	1.82E-05	2.86E-05	1.31E-05	2.37E-05	7.90E-06
981	564120.52	4191090.6	0.000298	1.15E-04	4.78E-05	1.80E-05	2.82E-05	1.29E-05	2.34E-05	7.79E-06
982	564129.22	4191076.77	0.000296	1.14E-04	4.74E-05	1.78E-05	2.80E-05	1.28E-05	2.32E-05	7.72E-06
983	564145.89	4191061.12	0.000305	1.18E-04	4.90E-05	1.84E-05	2.89E-05	1.32E-05	2.40E-05	7.98E-06
984	564161.82	4191057.48	0.00033	1.27E-04	5.29E-05	1.99E-05	3.12E-05	1.42E-05	2.59E-05	8.62E-06
985	564177.75	4191053.84	0.000361	1.39E-04	5.79E-05	2.18E-05	3.42E-05	1.56E-05	2.83E-05	9.44E-06
986	564193.68	4191050.19	0.000402	1.55E-04	6.46E-05	2.43E-05	3.81E-05	1.74E-05	3.16E-05	1.05E-05
987	564225.54	4191042.91	0.000542	2.09E-04	8.70E-05	3.27E-05	5.13E-05	2.34E-05	4.25E-05	1.42E-05
988	564241.46	4191039.26	0.000645	2.48E-04	1.03E-04	3.89E-05	6.10E-05	2.78E-05	5.06E-05	1.69E-05
989	564257.39	4191035.62	0.00076	2.92E-04	1.22E-04	4.58E-05	7.19E-05	3.28E-05	5.96E-05	1.99E-05
990	564273.32	4191031.98	0.000874	3.36E-04	1.40E-04	5.27E-05	8.28E-05	3.77E-05	6.86E-05	2.29E-05
991	564289.25	4191028.33	0.000981	3.77E-04	1.57E-04	5.91E-05	9.28E-05	4.23E-05	7.69E-05	2.56E-05
992	564305.18	4191024.69	0.001078	4.15E-04	1.73E-04	6.50E-05	1.02E-04	4.65E-05	8.45E-05	2.82E-05
993	564321.11	4191021.05	0.001162	4.47E-04	1.86E-04	7.01E-05	1.10E-04	5.02E-05	9.12E-05	3.04E-05
994	564337.04	4191017.4	0.001224	4.71E-04	1.96E-04	7.38E-05	1.16E-04	5.28E-05	9.60E-05	3.20E-05
995	564352.97	4191013.76	0.001266	4.87E-04	2.03E-04	7.63E-05	1.20E-04	5.46E-05	9.93E-05	3.31E-05
996	564010.34	4191271.56	0.000326	1.25E-04	5.23E-05	1.97E-05	3.09E-05	1.41E-05	2.56E-05	8.52E-06
997	564007.57	4191287.73	0.000328	1.26E-04	5.26E-05	1.98E-05	3.11E-05	1.42E-05	2.57E-05	8.57E-06
998	564004.81	4191303.9	0.000335	1.29E-04	5.37E-05	2.02E-05	3.17E-05	1.45E-05	2.63E-05	8.75E-06
999	564300.73	4191371.94	0.051853	2.00E-02	8.32E-03	3.13E-03	4.91E-03	2.24E-03	4.07E-03	1.36E-03
1000	564317.18	4191377.49	0.072301	2.78E-02	1.16E-02	4.36E-03	6.84E-03	3.12E-03	5.67E-03	1.89E-03
1001	564327.03	4191379	0.074511	2.87E-02	1.20E-02	4.49E-03	7.05E-03	3.22E-03	5.85E-03	1.95E-03
1002	564336.88	4191380.52	0.066866	2.57E-02	1.07E-02	4.03E-03	6.33E-03	2.89E-03	5.25E-03	1.75E-03
1003	564299.21	4191381.82	0.039801	1.53E-02	6.39E-03	2.40E-03	3.77E-03	1.72E-03	3.12E-03	1.04E-03

1004	564284.28	4191366.22	0.025753	9.91E-03	4.13E-03	1.55E-03	2.44E-03	1.11E-03	2.02E-03	6.73E-04
1005	564315.66	4191387.38	0.047289	1.82E-02	7.59E-03	2.85E-03	4.48E-03	2.04E-03	3.71E-03	1.24E-03
1006	564325.51	4191388.89	0.047488	1.83E-02	7.62E-03	2.86E-03	4.50E-03	2.05E-03	3.73E-03	1.24E-03
1007	564335.37	4191390.4	0.0437	1.68E-02	7.01E-03	2.63E-03	4.14E-03	1.89E-03	3.43E-03	1.14E-03
1008	564297.69	4191391.71	0.030457	1.17E-02	4.89E-03	1.84E-03	2.88E-03	1.31E-03	2.39E-03	7.96E-04
1009	564284.5	4191383.63	0.024294	9.35E-03	3.90E-03	1.46E-03	2.30E-03	1.05E-03	1.91E-03	6.35E-04
1010	564276.16	4191372.06	0.018974	7.30E-03	3.04E-03	1.14E-03	1.80E-03	8.19E-04	1.49E-03	4.96E-04
1011	564314.14	4191397.26	0.033016	1.27E-02	5.30E-03	1.99E-03	3.13E-03	1.43E-03	2.59E-03	8.63E-04
1012	564323.99	4191398.77	0.03276	1.26E-02	5.26E-03	1.97E-03	3.10E-03	1.41E-03	2.57E-03	8.56E-04
1013	564333.85	4191400.29	0.030635	1.18E-02	4.91E-03	1.85E-03	2.90E-03	1.32E-03	2.40E-03	8.01E-04
1014	564294.53	4191400.58	0.023482	9.04E-03	3.77E-03	1.42E-03	2.22E-03	1.01E-03	1.84E-03	6.14E-04
1015	564286.28	4191395.54	0.021845	8.41E-03	3.50E-03	1.32E-03	2.07E-03	9.43E-04	1.71E-03	5.71E-04
1016	564278.04	4191390.49	0.018851	7.25E-03	3.02E-03	1.14E-03	1.78E-03	8.14E-04	1.48E-03	4.93E-04
1017	564267.62	4191376.02	0.014323	5.51E-03	2.30E-03	8.63E-04	1.36E-03	6.18E-04	1.12E-03	3.74E-04
1018	564265.44	4191366.61	0.012677	4.88E-03	2.03E-03	7.64E-04	1.20E-03	5.47E-04	9.95E-04	3.31E-04
1019	564302.77	4191405.63	0.023372	8.99E-03	3.75E-03	1.41E-03	2.21E-03	1.01E-03	1.83E-03	6.11E-04
1020	564312.62	4191407.14	0.024289	9.35E-03	3.90E-03	1.46E-03	2.30E-03	1.05E-03	1.91E-03	6.35E-04
1021	564322.48	4191408.66	0.023956	9.22E-03	3.84E-03	1.44E-03	2.27E-03	1.03E-03	1.88E-03	6.26E-04
1022	564332.33	4191410.17	0.02267	8.72E-03	3.64E-03	1.37E-03	2.15E-03	9.79E-04	1.78E-03	5.93E-04
1023	564293.34	4191410.67	0.01867	7.18E-03	3.00E-03	1.13E-03	1.77E-03	8.06E-04	1.46E-03	4.88E-04
1024	564285.42	4191405.82	0.01814	6.98E-03	2.91E-03	1.09E-03	1.72E-03	7.83E-04	1.42E-03	4.74E-04
1025	564277.51	4191400.98	0.016645	6.40E-03	2.67E-03	1.00E-03	1.58E-03	7.18E-04	1.31E-03	4.35E-04
1026	564269.6	4191396.13	0.014501	5.58E-03	2.33E-03	8.74E-04	1.37E-03	6.26E-04	1.14E-03	3.79E-04
1027	564259.59	4191382.25	0.01149	4.42E-03	1.84E-03	6.93E-04	1.09E-03	4.96E-04	9.01E-04	3.00E-04
1028	564257.5	4191373.21	0.010421	4.01E-03	1.67E-03	6.28E-04	9.87E-04	4.50E-04	8.18E-04	2.72E-04
1029	564255.41	4191364.17	0.009107	3.50E-03	1.46E-03	5.49E-04	8.62E-04	3.93E-04	7.15E-04	2.38E-04
1030	564301.25	4191415.51	0.018248	7.02E-03	2.93E-03	1.10E-03	1.73E-03	7.88E-04	1.43E-03	4.77E-04
1031	564311.1	4191417.03	0.018655	7.18E-03	2.99E-03	1.12E-03	1.77E-03	8.05E-04	1.46E-03	4.88E-04
1032	564320.96	4191418.54	0.018345	7.06E-03	2.94E-03	1.11E-03	1.74E-03	7.92E-04	1.44E-03	4.79E-04
1033	564330.81	4191420.05	0.017492	6.73E-03	2.81E-03	1.05E-03	1.66E-03	7.55E-04	1.37E-03	4.57E-04
1034	564292.04	4191420.69	0.015098	5.81E-03	2.42E-03	9.10E-04	1.43E-03	6.52E-04	1.18E-03	3.95E-04
1035	564284.35	4191415.98	0.015026	5.78E-03	2.41E-03	9.06E-04	1.42E-03	6.49E-04	1.18E-03	3.93E-04
1036	564276.65	4191411.27	0.014343	5.52E-03	2.30E-03	8.65E-04	1.36E-03	6.19E-04	1.13E-03	3.75E-04
1037	564268.96	4191406.56	0.013107	5.04E-03	2.10E-03	7.90E-04	1.24E-03	5.66E-04	1.03E-03	3.43E-04
1038	564261.26	4191401.84	0.011532	4.44E-03	1.85E-03	6.95E-04	1.09E-03	4.98E-04	9.05E-04	3.01E-04
1039	564251.53	4191388.34	0.009421	3.63E-03	1.51E-03	5.68E-04	8.92E-04	4.07E-04	7.39E-04	2.46E-04
1040	564247.47	4191370.77	0.007792	3.00E-03	1.25E-03	4.70E-04	7.38E-04	3.36E-04	6.11E-04	2.04E-04
1041	564299.73	4191425.4	0.014613	5.62E-03	2.34E-03	8.81E-04	1.38E-03	6.31E-04	1.15E-03	3.82E-04
1042	564309.59	4191426.91	0.014781	5.69E-03	2.37E-03	8.91E-04	1.40E-03	6.38E-04	1.16E-03	3.86E-04
1043	564319.44	4191428.43	0.014504	5.58E-03	2.33E-03	8.74E-04	1.37E-03	6.26E-04	1.14E-03	3.79E-04
1044	564329.29	4191429.94	0.013906	5.35E-03	2.23E-03	8.38E-04	1.32E-03	6.00E-04	1.09E-03	3.63E-04
1045	564290.68	4191430.67	0.012413	4.78E-03	1.99E-03	7.48E-04	1.18E-03	5.36E-04	9.74E-04	3.24E-04
1046	564275.6	4191421.44	0.012265	4.72E-03	1.97E-03	7.39E-04	1.16E-03	5.29E-04	9.62E-04	3.21E-04
1047	564260.53	4191412.21	0.010597	4.08E-03	1.70E-03	6.39E-04	1.00E-03	4.57E-04	8.31E-04	2.77E-04
1048	564243.46	4191394.37	0.007854	3.02E-03	1.26E-03	4.73E-04	7.44E-04	3.39E-04	6.16E-04	2.05E-04
1049	564239.48	4191377.15	0.006719	2.59E-03	1.08E-03	4.05E-04	6.36E-04	2.90E-04	5.27E-04	1.76E-04
1050	564235.49	4191359.93	0.005226	2.01E-03	8.38E-04	3.15E-04	4.95E-04	2.26E-04	4.10E-04	1.37E-04
1051	564308.07	4191436.8	0.011999	4.62E-03	1.92E-03	7.23E-04	1.14E-03	5.18E-04	9.41E-04	3.14E-04
1052	564317.92	4191438.31	0.011764	4.53E-03	1.89E-03	7.09E-04	1.11E-03	5.08E-04	9.23E-04	3.07E-04
1053	564327.78	4191439.82	0.011329	4.36E-03	1.82E-03	6.83E-04	1.07E-03	4.89E-04	8.89E-04	2.96E-04
1054	564288.22	4191439.98	0.010399	4.00E-03	1.67E-03	6.27E-04	9.84E-04	4.49E-04	8.16E-04	2.72E-04
1055	564279.74	4191434.78	0.010571	4.07E-03	1.70E-03	6.37E-04	1.00E-03	4.56E-04	8.29E-04	2.76E-04
1056	564271.26	4191429.59	0.010391	4.00E-03	1.67E-03	6.26E-04	9.84E-04	4.49E-04	8.15E-04	2.72E-04

1057	564262.78	4191424.4	0.009855	3.79E-03	1.58E-03	5.94E-04	9.33E-04	4.25E-04	7.73E-04	2.58E-04
1058	564254.3	4191419.21	0.009	3.46E-03	1.44E-03	5.43E-04	8.52E-04	3.88E-04	7.06E-04	2.35E-04
1059	564245.82	4191414.02	0.007969	3.07E-03	1.28E-03	4.80E-04	7.54E-04	3.44E-04	6.25E-04	2.08E-04
1060	564235.1	4191399.14	0.006601	2.54E-03	1.06E-03	3.98E-04	6.25E-04	2.85E-04	5.18E-04	1.73E-04
1061	564232.86	4191389.45	0.006162	2.37E-03	9.89E-04	3.71E-04	5.83E-04	2.66E-04	4.83E-04	1.61E-04
1062	564230.62	4191379.77	0.005597	2.15E-03	8.98E-04	3.37E-04	5.30E-04	2.42E-04	4.39E-04	1.46E-04
1063	564228.38	4191370.08	0.004945	1.90E-03	7.93E-04	2.98E-04	4.68E-04	2.13E-04	3.88E-04	1.29E-04
1064	564226.13	4191360.4	0.004282	1.65E-03	6.87E-04	2.58E-04	4.05E-04	1.85E-04	3.36E-04	1.12E-04
1065	564296.7	4191445.17	0.009927	3.82E-03	1.59E-03	5.98E-04	9.40E-04	4.28E-04	7.79E-04	2.59E-04
1066	564306.55	4191446.68	0.00992	3.82E-03	1.59E-03	5.98E-04	9.39E-04	4.28E-04	7.78E-04	2.59E-04
1067	564316.4	4191448.19	0.009735	3.75E-03	1.56E-03	5.87E-04	9.22E-04	4.20E-04	7.64E-04	2.54E-04
1068	564326.26	4191449.71	0.009415	3.62E-03	1.51E-03	5.68E-04	8.91E-04	4.06E-04	7.39E-04	2.46E-04
1069	564286.94	4191450	0.00878	3.38E-03	1.41E-03	5.29E-04	8.31E-04	3.79E-04	6.89E-04	2.29E-04
1070	564278.69	4191444.96	0.00901	3.47E-03	1.45E-03	5.43E-04	8.53E-04	3.89E-04	7.07E-04	2.35E-04
1071	564270.45	4191439.91	0.009003	3.46E-03	1.44E-03	5.43E-04	8.52E-04	3.89E-04	7.06E-04	2.35E-04
1072	564262.2	4191434.86	0.008739	3.36E-03	1.40E-03	5.27E-04	8.27E-04	3.77E-04	6.86E-04	2.28E-04
1073	564253.96	4191429.81	0.008235	3.17E-03	1.32E-03	4.96E-04	7.80E-04	3.55E-04	6.46E-04	2.15E-04
1074	564245.72	4191424.77	0.007534	2.90E-03	1.21E-03	4.54E-04	7.13E-04	3.25E-04	5.91E-04	1.97E-04
1075	564237.47	4191419.72	0.006726	2.59E-03	1.08E-03	4.05E-04	6.37E-04	2.90E-04	5.28E-04	1.76E-04
1076	564227.05	4191405.26	0.005664	2.18E-03	9.09E-04	3.41E-04	5.36E-04	2.44E-04	4.44E-04	1.48E-04
1077	564224.87	4191395.84	0.005339	2.05E-03	8.57E-04	3.22E-04	5.05E-04	2.30E-04	4.19E-04	1.40E-04
1078	564222.69	4191386.42	0.004923	1.89E-03	7.90E-04	2.97E-04	4.66E-04	2.13E-04	3.86E-04	1.29E-04
1079	564220.51	4191377	0.004447	1.71E-03	7.13E-04	2.68E-04	4.21E-04	1.92E-04	3.49E-04	1.16E-04
1080	564218.33	4191367.59	0.003932	1.51E-03	6.31E-04	2.37E-04	3.72E-04	1.70E-04	3.08E-04	1.03E-04
1081	564216.15	4191358.17	0.003435	1.32E-03	5.51E-04	2.07E-04	3.25E-04	1.48E-04	2.69E-04	8.98E-05
1082	564261.42	4191445.19	0.007722	2.97E-03	1.24E-03	4.65E-04	7.31E-04	3.33E-04	6.06E-04	2.02E-04
1083	564253.36	4191440.26	0.007436	2.86E-03	1.19E-03	4.48E-04	7.04E-04	3.21E-04	5.83E-04	1.94E-04
1084	564245.3	4191435.32	0.006984	2.69E-03	1.12E-03	4.21E-04	6.61E-04	3.01E-04	5.48E-04	1.83E-04
1085	564237.24	4191430.39	0.006406	2.47E-03	1.03E-03	3.86E-04	6.06E-04	2.77E-04	5.03E-04	1.67E-04
1086	564229.18	4191425.45	0.005763	2.22E-03	9.25E-04	3.47E-04	5.46E-04	2.49E-04	4.52E-04	1.51E-04
1087	564218.99	4191411.31	0.004925	1.89E-03	7.90E-04	2.97E-04	4.66E-04	2.13E-04	3.86E-04	1.29E-04
1088	564216.85	4191402.1	0.004669	1.80E-03	7.49E-04	2.81E-04	4.42E-04	2.02E-04	3.66E-04	1.22E-04
1089	564214.72	4191392.9	0.004355	1.68E-03	6.99E-04	2.63E-04	4.12E-04	1.88E-04	3.42E-04	1.14E-04
1090	564212.59	4191383.69	0.003992	1.54E-03	6.40E-04	2.41E-04	3.78E-04	1.72E-04	3.13E-04	1.04E-04
1091	564210.46	4191374.48	0.003599	1.38E-03	5.77E-04	2.17E-04	3.41E-04	1.55E-04	2.82E-04	9.41E-05
1092	564208.33	4191365.27	0.003194	1.23E-03	5.12E-04	1.93E-04	3.02E-04	1.38E-04	2.51E-04	8.35E-05
1093	564206.2	4191356.06	0.002814	1.08E-03	4.51E-04	1.70E-04	2.66E-04	1.21E-04	2.21E-04	7.36E-05
1094	564236.75	4191440.9	0.005995	2.31E-03	9.62E-04	3.61E-04	5.68E-04	2.59E-04	4.70E-04	1.57E-04
1095	564228.83	4191436.06	0.00552	2.12E-03	8.86E-04	3.33E-04	5.23E-04	2.38E-04	4.33E-04	1.44E-04
1096	564220.92	4191431.21	0.004999	1.92E-03	8.02E-04	3.01E-04	4.73E-04	2.16E-04	3.92E-04	1.31E-04
1097	564210.91	4191417.32	0.004325	1.66E-03	6.94E-04	2.61E-04	4.09E-04	1.87E-04	3.39E-04	1.13E-04
1098	564208.82	4191408.28	0.00412	1.59E-03	6.61E-04	2.48E-04	3.90E-04	1.78E-04	3.23E-04	1.08E-04
1099	564206.73	4191399.24	0.003874	1.49E-03	6.22E-04	2.34E-04	3.67E-04	1.67E-04	3.04E-04	1.01E-04
1100	564204.63	4191390.2	0.003592	1.38E-03	5.76E-04	2.16E-04	3.40E-04	1.55E-04	2.82E-04	9.39E-05
1101	564202.54	4191381.16	0.003285	1.26E-03	5.27E-04	1.98E-04	3.11E-04	1.42E-04	2.58E-04	8.59E-05
1102	564200.45	4191372.12	0.002963	1.14E-03	4.75E-04	1.79E-04	2.80E-04	1.28E-04	2.32E-04	7.74E-05
1103	564198.36	4191363.08	0.002646	1.02E-03	4.24E-04	1.59E-04	2.50E-04	1.14E-04	2.08E-04	6.91E-05
1104	564196.27	4191354.04	0.002355	9.06E-04	3.78E-04	1.42E-04	2.23E-04	1.02E-04	1.85E-04	6.15E-05
1105	564292.14	4191474.82	0.006181	2.38E-03	9.92E-04	3.73E-04	5.85E-04	2.67E-04	4.85E-04	1.62E-04
1106	564302	4191476.33	0.006134	2.36E-03	9.84E-04	3.70E-04	5.81E-04	2.65E-04	4.81E-04	1.60E-04
1107	564311.85	4191477.85	0.006027	2.32E-03	9.67E-04	3.63E-04	5.71E-04	2.60E-04	4.73E-04	1.58E-04
1108	564321.7	4191479.36	0.005873	2.26E-03	9.42E-04	3.54E-04	5.56E-04	2.54E-04	4.61E-04	1.53E-04
1109	564267.24	4191470.39	0.006008	2.31E-03	9.64E-04	3.62E-04	5.69E-04	2.59E-04	4.71E-04	1.57E-04

1110	564259.45	4191465.62	0.006048	2.33E-03	9.70E-04	3.65E-04	5.73E-04	2.61E-04	4.74E-04	1.58E-04
1111	564251.66	4191460.84	0.005986	2.30E-03	9.60E-04	3.61E-04	5.67E-04	2.58E-04	4.70E-04	1.56E-04
1112	564212.68	4191436.98	0.004382	1.69E-03	7.03E-04	2.64E-04	4.15E-04	1.89E-04	3.44E-04	1.15E-04
1113	564202.83	4191423.31	0.003832	1.47E-03	6.15E-04	2.31E-04	3.63E-04	1.65E-04	3.01E-04	1.00E-04
1114	564198.71	4191405.5	0.003473	1.34E-03	5.57E-04	2.09E-04	3.29E-04	1.50E-04	2.72E-04	9.08E-05
1115	564196.65	4191396.6	0.00325	1.25E-03	5.21E-04	1.96E-04	3.08E-04	1.40E-04	2.55E-04	8.49E-05
1116	564192.53	4191378.79	0.002742	1.06E-03	4.40E-04	1.65E-04	2.60E-04	1.18E-04	2.15E-04	7.17E-05
1117	564290.63	4191484.7	0.005407	2.08E-03	8.67E-04	3.26E-04	5.12E-04	2.33E-04	4.24E-04	1.41E-04
1118	564300.48	4191486.22	0.005352	2.06E-03	8.59E-04	3.23E-04	5.07E-04	2.31E-04	4.20E-04	1.40E-04
1119	564310.33	4191487.73	0.005256	2.02E-03	8.43E-04	3.17E-04	4.98E-04	2.27E-04	4.12E-04	1.37E-04
1120	564320.19	4191489.24	0.005124	1.97E-03	8.22E-04	3.09E-04	4.85E-04	2.21E-04	4.02E-04	1.34E-04
1121	564263.93	4191479.17	0.005338	2.05E-03	8.56E-04	3.22E-04	5.05E-04	2.30E-04	4.19E-04	1.40E-04
1122	564255.53	4191474.03	0.005384	2.07E-03	8.64E-04	3.25E-04	5.10E-04	2.32E-04	4.22E-04	1.41E-04
1123	564247.14	4191468.89	0.005337	2.05E-03	8.56E-04	3.22E-04	5.05E-04	2.30E-04	4.19E-04	1.39E-04
1124	564238.75	4191463.75	0.00519	2.00E-03	8.33E-04	3.13E-04	4.91E-04	2.24E-04	4.07E-04	1.36E-04
1125	564230.35	4191458.61	0.004954	1.91E-03	7.95E-04	2.99E-04	4.69E-04	2.14E-04	3.89E-04	1.29E-04
1126	564194.56	4191428.47	0.003413	1.31E-03	5.48E-04	2.06E-04	3.23E-04	1.47E-04	2.68E-04	8.92E-05
1127	564192.34	4191418.88	0.003268	1.26E-03	5.24E-04	1.97E-04	3.09E-04	1.41E-04	2.56E-04	8.54E-05
1128	564190.12	4191409.29	0.003089	1.19E-03	4.95E-04	1.86E-04	2.92E-04	1.33E-04	2.42E-04	8.07E-05
1129	564176.81	4191351.76	0.001756	6.76E-04	2.82E-04	1.06E-04	1.66E-04	7.58E-05	1.38E-04	4.59E-05
1130	564174.59	4191342.17	0.001583	6.09E-04	2.54E-04	9.54E-05	1.50E-04	6.83E-05	1.24E-04	4.14E-05
1131	564289.11	4191494.59	0.004769	1.83E-03	7.65E-04	2.87E-04	4.51E-04	2.06E-04	3.74E-04	1.25E-04
1132	564298.96	4191496.1	0.004714	1.81E-03	7.56E-04	2.84E-04	4.46E-04	2.03E-04	3.70E-04	1.23E-04
1133	564308.81	4191497.61	0.004627	1.78E-03	7.42E-04	2.79E-04	4.38E-04	2.00E-04	3.63E-04	1.21E-04
1134	564318.67	4191499.13	0.004516	1.74E-03	7.24E-04	2.72E-04	4.27E-04	1.95E-04	3.54E-04	1.18E-04
1135	564262.86	4191489.33	0.004749	1.83E-03	7.62E-04	2.86E-04	4.50E-04	2.05E-04	3.73E-04	1.24E-04
1136	564254.61	4191484.28	0.004818	1.85E-03	7.73E-04	2.90E-04	4.56E-04	2.08E-04	3.78E-04	1.26E-04
1137	564246.37	4191479.24	0.004816	1.85E-03	7.73E-04	2.90E-04	4.56E-04	2.08E-04	3.78E-04	1.26E-04
1138	564238.13	4191474.19	0.004738	1.82E-03	7.60E-04	2.86E-04	4.48E-04	2.05E-04	3.72E-04	1.24E-04
1139	564229.88	4191469.14	0.004585	1.76E-03	7.36E-04	2.76E-04	4.34E-04	1.98E-04	3.60E-04	1.20E-04
1140	564221.64	4191464.09	0.004368	1.68E-03	7.01E-04	2.63E-04	4.13E-04	1.89E-04	3.43E-04	1.14E-04
1141	564213.4	4191459.05	0.004098	1.58E-03	6.57E-04	2.47E-04	3.88E-04	1.77E-04	3.22E-04	1.07E-04
1142	564205.15	4191454	0.003794	1.46E-03	6.09E-04	2.29E-04	3.59E-04	1.64E-04	2.98E-04	9.92E-05
1143	564173.41	4191377.98	0.002057	7.91E-04	3.30E-04	1.24E-04	1.95E-04	8.88E-05	1.61E-04	5.38E-05
1144	564171.23	4191368.57	0.001866	7.18E-04	2.99E-04	1.12E-04	1.77E-04	8.05E-05	1.46E-04	4.88E-05
1145	564169.05	4191359.15	0.001687	6.49E-04	2.71E-04	1.02E-04	1.60E-04	7.28E-05	1.32E-04	4.41E-05
1146	564166.87	4191349.73	0.001527	5.87E-04	2.45E-04	9.20E-05	1.45E-04	6.59E-05	1.20E-04	3.99E-05
1147	564164.69	4191340.32	0.001387	5.34E-04	2.23E-04	8.36E-05	1.31E-04	5.99E-05	1.09E-04	3.63E-05
1148	564287.59	4191504.47	0.004238	1.63E-03	6.80E-04	2.55E-04	4.01E-04	1.83E-04	3.33E-04	1.11E-04
1149	564297.44	4191505.98	0.004188	1.61E-03	6.72E-04	2.52E-04	3.96E-04	1.81E-04	3.29E-04	1.09E-04
1150	564307.3	4191507.5	0.004112	1.58E-03	6.60E-04	2.48E-04	3.89E-04	1.77E-04	3.23E-04	1.07E-04
1151	564317.15	4191509.01	0.004018	1.55E-03	6.45E-04	2.42E-04	3.80E-04	1.73E-04	3.15E-04	1.05E-04
1152	564261.72	4191499.45	0.004247	1.63E-03	6.81E-04	2.56E-04	4.02E-04	1.83E-04	3.33E-04	1.11E-04
1153	564253.6	4191494.48	0.004326	1.66E-03	6.94E-04	2.61E-04	4.10E-04	1.87E-04	3.39E-04	1.13E-04
1154	564245.49	4191489.51	0.004352	1.67E-03	6.98E-04	2.62E-04	4.12E-04	1.88E-04	3.41E-04	1.14E-04
1155	564237.37	4191484.54	0.004319	1.66E-03	6.93E-04	2.60E-04	4.09E-04	1.86E-04	3.39E-04	1.13E-04
1156	564229.25	4191479.57	0.004228	1.63E-03	6.78E-04	2.55E-04	4.00E-04	1.82E-04	3.32E-04	1.11E-04
1157	564221.14	4191474.6	0.00408	1.57E-03	6.55E-04	2.46E-04	3.86E-04	1.76E-04	3.20E-04	1.07E-04
1158	564213.02	4191469.63	0.003881	1.49E-03	6.23E-04	2.34E-04	3.67E-04	1.68E-04	3.04E-04	1.01E-04
1159	564204.9	4191464.66	0.003644	1.40E-03	5.85E-04	2.20E-04	3.45E-04	1.57E-04	2.86E-04	9.52E-05
1160	564196.79	4191459.69	0.003388	1.30E-03	5.43E-04	2.04E-04	3.21E-04	1.46E-04	2.66E-04	8.85E-05
1161	564188.67	4191454.72	0.003119	1.20E-03	5.00E-04	1.88E-04	2.95E-04	1.35E-04	2.45E-04	8.15E-05
1162	564171.97	4191412.66	0.002428	9.34E-04	3.90E-04	1.46E-04	2.30E-04	1.05E-04	1.90E-04	6.35E-05

1163	564169.82	4191403.39	0.002277	8.76E-04	3.65E-04	1.37E-04	2.16E-04	9.83E-05	1.79E-04	5.95E-05
1164	564167.68	4191394.12	0.002113	8.13E-04	3.39E-04	1.27E-04	2.00E-04	9.12E-05	1.66E-04	5.52E-05
1165	564165.53	4191384.84	0.001943	7.48E-04	3.12E-04	1.17E-04	1.84E-04	8.39E-05	1.52E-04	5.08E-05
1166	564163.38	4191375.57	0.001776	6.83E-04	2.85E-04	1.07E-04	1.68E-04	7.66E-05	1.39E-04	4.64E-05
1167	564161.24	4191366.3	0.001618	6.23E-04	2.60E-04	9.75E-05	1.53E-04	6.98E-05	1.27E-04	4.23E-05
1168	564159.09	4191357.03	0.001471	5.66E-04	2.36E-04	8.87E-05	1.39E-04	6.35E-05	1.15E-04	3.85E-05
1169	564156.95	4191347.76	0.001341	5.16E-04	2.15E-04	8.08E-05	1.27E-04	5.79E-05	1.05E-04	3.50E-05
1170	564154.8	4191338.48	0.001225	4.72E-04	1.97E-04	7.39E-05	1.16E-04	5.29E-05	9.61E-05	3.20E-05
1171	564286.07	4191514.36	0.003792	1.46E-03	6.08E-04	2.29E-04	3.59E-04	1.64E-04	2.98E-04	9.91E-05
1172	564295.92	4191515.87	0.003745	1.44E-03	6.01E-04	2.26E-04	3.55E-04	1.62E-04	2.94E-04	9.79E-05
1173	564305.78	4191517.38	0.003679	1.42E-03	5.90E-04	2.22E-04	3.48E-04	1.59E-04	2.89E-04	9.62E-05
1174	564315.63	4191518.9	0.003599	1.38E-03	5.77E-04	2.17E-04	3.41E-04	1.55E-04	2.82E-04	9.41E-05
1175	564260.53	4191509.53	0.003818	1.47E-03	6.13E-04	2.30E-04	3.61E-04	1.65E-04	3.00E-04	9.98E-05
1176	564252.52	4191504.63	0.0039	1.50E-03	6.26E-04	2.35E-04	3.69E-04	1.68E-04	3.06E-04	1.02E-04
1177	564244.51	4191499.72	0.003943	1.52E-03	6.33E-04	2.38E-04	3.73E-04	1.70E-04	3.09E-04	1.03E-04
1178	564236.5	4191494.82	0.003939	1.52E-03	6.32E-04	2.37E-04	3.73E-04	1.70E-04	3.09E-04	1.03E-04
1179	564228.5	4191489.92	0.00389	1.50E-03	6.24E-04	2.34E-04	3.68E-04	1.68E-04	3.05E-04	1.02E-04
1180	564220.49	4191485.02	0.003794	1.46E-03	6.09E-04	2.29E-04	3.59E-04	1.64E-04	2.98E-04	9.92E-05
1181	564212.48	4191480.11	0.003654	1.41E-03	5.86E-04	2.20E-04	3.46E-04	1.58E-04	2.87E-04	9.55E-05
1182	564204.47	4191475.21	0.003475	1.34E-03	5.57E-04	2.09E-04	3.29E-04	1.50E-04	2.73E-04	9.08E-05
1183	564196.46	4191470.31	0.003269	1.26E-03	5.24E-04	1.97E-04	3.09E-04	1.41E-04	2.56E-04	8.54E-05
1184	564188.46	4191465.4	0.003048	1.17E-03	4.89E-04	1.84E-04	2.89E-04	1.32E-04	2.39E-04	7.97E-05
1185	564168.2	4191437.3	0.002441	9.39E-04	3.92E-04	1.47E-04	2.31E-04	1.05E-04	1.92E-04	6.38E-05
1186	564166.09	4191428.15	0.002345	9.02E-04	3.76E-04	1.41E-04	2.22E-04	1.01E-04	1.84E-04	6.13E-05
1187	564163.97	4191419	0.002234	8.59E-04	3.58E-04	1.35E-04	2.11E-04	9.64E-05	1.75E-04	5.84E-05
1188	564161.85	4191409.86	0.002109	8.11E-04	3.38E-04	1.27E-04	2.00E-04	9.10E-05	1.65E-04	5.51E-05
1189	564159.74	4191400.71	0.001973	7.59E-04	3.17E-04	1.19E-04	1.87E-04	8.52E-05	1.55E-04	5.16E-05
1190	564157.62	4191391.56	0.001831	7.05E-04	2.94E-04	1.10E-04	1.73E-04	7.90E-05	1.44E-04	4.79E-05
1191	564155.5	4191382.41	0.001688	6.50E-04	2.71E-04	1.02E-04	1.60E-04	7.29E-05	1.32E-04	4.41E-05
1192	564153.38	4191373.26	0.001548	5.96E-04	2.48E-04	9.33E-05	1.47E-04	6.68E-05	1.21E-04	4.05E-05
1193	564151.27	4191364.12	0.001417	5.45E-04	2.27E-04	8.54E-05	1.34E-04	6.12E-05	1.11E-04	3.70E-05
1194	564149.15	4191354.97	0.001295	4.98E-04	2.08E-04	7.81E-05	1.23E-04	5.59E-05	1.02E-04	3.39E-05
1195	564147.03	4191345.82	0.001187	4.57E-04	1.90E-04	7.15E-05	1.12E-04	5.12E-05	9.31E-05	3.10E-05
1196	564144.92	4191336.67	0.001091	4.20E-04	1.75E-04	6.57E-05	1.03E-04	4.71E-05	8.56E-05	2.85E-05
1197	564284.55	4191524.24	0.003413	1.31E-03	5.48E-04	2.06E-04	3.23E-04	1.47E-04	2.68E-04	8.92E-05
1198	564294.41	4191525.75	0.00337	1.30E-03	5.41E-04	2.03E-04	3.19E-04	1.45E-04	2.64E-04	8.81E-05
1199	564304.26	4191527.27	0.003312	1.27E-03	5.31E-04	2.00E-04	3.14E-04	1.43E-04	2.60E-04	8.66E-05
1200	564314.11	4191528.78	0.003243	1.25E-03	5.20E-04	1.95E-04	3.07E-04	1.40E-04	2.54E-04	8.48E-05
1201	564257.6	4191518.55	0.003468	1.33E-03	5.56E-04	2.09E-04	3.28E-04	1.50E-04	2.72E-04	9.06E-05
1202	564249.12	4191513.36	0.003548	1.37E-03	5.69E-04	2.14E-04	3.36E-04	1.53E-04	2.78E-04	9.27E-05
1203	564240.64	4191508.17	0.003592	1.38E-03	5.76E-04	2.17E-04	3.40E-04	1.55E-04	2.82E-04	9.39E-05
1204	564232.16	4191502.97	0.003595	1.38E-03	5.77E-04	2.17E-04	3.40E-04	1.55E-04	2.82E-04	9.40E-05
1205	564223.68	4191497.78	0.003554	1.37E-03	5.70E-04	2.14E-04	3.36E-04	1.53E-04	2.79E-04	9.29E-05
1206	564215.2	4191492.59	0.003469	1.33E-03	5.57E-04	2.09E-04	3.28E-04	1.50E-04	2.72E-04	9.07E-05
1207	564206.72	4191487.4	0.003343	1.29E-03	5.36E-04	2.01E-04	3.16E-04	1.44E-04	2.62E-04	8.74E-05
1208	564198.24	4191482.21	0.00318	1.22E-03	5.10E-04	1.92E-04	3.01E-04	1.37E-04	2.49E-04	8.31E-05
1209	564189.76	4191477.02	0.002991	1.15E-03	4.80E-04	1.80E-04	2.83E-04	1.29E-04	2.35E-04	7.82E-05
1210	564181.28	4191471.83	0.002787	1.07E-03	4.47E-04	1.68E-04	2.64E-04	1.20E-04	2.19E-04	7.28E-05
1211	564162.08	4191451.76	0.002303	8.86E-04	3.69E-04	1.39E-04	2.18E-04	9.94E-05	1.81E-04	6.02E-05
1212	564159.84	4191442.07	0.002228	8.57E-04	3.57E-04	1.34E-04	2.11E-04	9.62E-05	1.75E-04	5.82E-05
1213	564157.6	4191432.38	0.002138	8.23E-04	3.43E-04	1.29E-04	2.02E-04	9.23E-05	1.68E-04	5.59E-05
1214	564155.36	4191422.7	0.002034	7.82E-04	3.26E-04	1.23E-04	1.93E-04	8.78E-05	1.60E-04	5.31E-05
1215	564153.12	4191413.01	0.001917	7.38E-04	3.08E-04	1.16E-04	1.81E-04	8.27E-05	1.50E-04	5.01E-05

1216	564150.88	4191403.33	0.001791	6.89E-04	2.87E-04	1.08E-04	1.70E-04	7.73E-05	1.41E-04	4.68E-05
1217	564148.63	4191393.64	0.001662	6.40E-04	2.67E-04	1.00E-04	1.57E-04	7.17E-05	1.30E-04	4.34E-05
1218	564146.39	4191383.95	0.001531	5.89E-04	2.46E-04	9.23E-05	1.45E-04	6.61E-05	1.20E-04	4.00E-05
1219	564144.15	4191374.27	0.001403	5.40E-04	2.25E-04	8.46E-05	1.33E-04	6.06E-05	1.10E-04	3.67E-05
1220	564141.91	4191364.58	0.001281	4.93E-04	2.06E-04	7.72E-05	1.21E-04	5.53E-05	1.01E-04	3.35E-05
1221	564139.67	4191354.89	0.001169	4.50E-04	1.88E-04	7.05E-05	1.11E-04	5.05E-05	9.17E-05	3.06E-05
1222	564137.42	4191345.21	0.001069	4.11E-04	1.71E-04	6.44E-05	1.01E-04	4.61E-05	8.39E-05	2.79E-05
1223	564135.18	4191335.52	0.000982	3.78E-04	1.57E-04	5.92E-05	9.29E-05	4.24E-05	7.70E-05	2.57E-05
1224	564283.03	4191534.12	0.003087	1.19E-03	4.95E-04	1.86E-04	2.92E-04	1.33E-04	2.42E-04	8.07E-05
1225	564292.89	4191535.64	0.003049	1.17E-03	4.89E-04	1.84E-04	2.89E-04	1.32E-04	2.39E-04	7.97E-05
1226	564302.74	4191537.15	0.002998	1.15E-03	4.81E-04	1.81E-04	2.84E-04	1.29E-04	2.35E-04	7.84E-05
1227	564312.59	4191538.66	0.002938	1.13E-03	4.71E-04	1.77E-04	2.78E-04	1.27E-04	2.31E-04	7.68E-05
1228	564256.46	4191528.66	0.003146	1.21E-03	5.05E-04	1.90E-04	2.98E-04	1.36E-04	2.47E-04	8.22E-05
1229	564248.1	4191523.55	0.003224	1.24E-03	5.17E-04	1.94E-04	3.05E-04	1.39E-04	2.53E-04	8.43E-05
1230	564239.75	4191518.44	0.003276	1.26E-03	5.26E-04	1.97E-04	3.10E-04	1.41E-04	2.57E-04	8.56E-05
1231	564231.4	4191513.32	0.003297	1.27E-03	5.29E-04	1.99E-04	3.12E-04	1.42E-04	2.59E-04	8.62E-05
1232	564223.04	4191508.21	0.003282	1.26E-03	5.26E-04	1.98E-04	3.11E-04	1.42E-04	2.57E-04	8.58E-05
1233	564214.69	4191503.09	0.00323	1.24E-03	5.18E-04	1.95E-04	3.06E-04	1.39E-04	2.53E-04	8.44E-05
1234	564206.33	4191497.98	0.003144	1.21E-03	5.04E-04	1.90E-04	2.98E-04	1.36E-04	2.47E-04	8.22E-05
1235	564197.98	4191492.86	0.003024	1.16E-03	4.85E-04	1.82E-04	2.86E-04	1.31E-04	2.37E-04	7.91E-05
1236	564189.63	4191487.75	0.002877	1.11E-03	4.62E-04	1.73E-04	2.72E-04	1.24E-04	2.26E-04	7.52E-05
1237	564181.27	4191482.63	0.00271	1.04E-03	4.35E-04	1.63E-04	2.57E-04	1.17E-04	2.13E-04	7.08E-05
1238	564164.57	4191472.4	0.002347	9.03E-04	3.77E-04	1.41E-04	2.22E-04	1.01E-04	1.84E-04	6.13E-05
1239	564154	4191457.75	0.002114	8.13E-04	3.39E-04	1.27E-04	2.00E-04	9.12E-05	1.66E-04	5.53E-05
1240	564151.8	4191448.2	0.002051	7.89E-04	3.29E-04	1.24E-04	1.94E-04	8.85E-05	1.61E-04	5.36E-05
1241	564149.59	4191438.66	0.001976	7.60E-04	3.17E-04	1.19E-04	1.87E-04	8.53E-05	1.55E-04	5.17E-05
1242	564147.38	4191429.12	0.001888	7.27E-04	3.03E-04	1.14E-04	1.79E-04	8.15E-05	1.48E-04	4.94E-05
1243	564145.17	4191419.58	0.001789	6.89E-04	2.87E-04	1.08E-04	1.69E-04	7.72E-05	1.40E-04	4.68E-05
1244	564142.96	4191410.03	0.001682	6.47E-04	2.70E-04	1.01E-04	1.59E-04	7.26E-05	1.32E-04	4.40E-05
1245	564140.75	4191400.49	0.001572	6.05E-04	2.52E-04	9.47E-05	1.49E-04	6.78E-05	1.23E-04	4.11E-05
1246	564138.54	4191390.95	0.001459	5.62E-04	2.34E-04	8.80E-05	1.38E-04	6.30E-05	1.14E-04	3.81E-05
1247	564136.34	4191381.4	0.001346	5.18E-04	2.16E-04	8.12E-05	1.27E-04	5.81E-05	1.06E-04	3.52E-05
1248	564134.13	4191371.86	0.001236	4.76E-04	1.98E-04	7.45E-05	1.17E-04	5.34E-05	9.70E-05	3.23E-05
1249	564131.92	4191362.32	0.001133	4.36E-04	1.82E-04	6.83E-05	1.07E-04	4.89E-05	8.89E-05	2.96E-05
1250	564129.71	4191352.78	0.001039	4.00E-04	1.67E-04	6.27E-05	9.84E-05	4.49E-05	8.15E-05	2.72E-05
1251	564127.5	4191343.23	0.000956	3.68E-04	1.53E-04	5.76E-05	9.05E-05	4.13E-05	7.50E-05	2.50E-05
1252	564125.29	4191333.69	0.000884	3.40E-04	1.42E-04	5.33E-05	8.37E-05	3.81E-05	6.93E-05	2.31E-05
1253	564281.52	4191544.01	0.002804	1.08E-03	4.50E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04	7.33E-05
1254	564291.37	4191545.52	0.002772	1.07E-03	4.45E-04	1.67E-04	2.62E-04	1.20E-04	2.17E-04	7.24E-05
1255	564301.22	4191547.03	0.002727	1.05E-03	4.37E-04	1.64E-04	2.58E-04	1.18E-04	2.14E-04	7.13E-05
1256	564311.08	4191548.55	0.002675	1.03E-03	4.29E-04	1.61E-04	2.53E-04	1.15E-04	2.10E-04	6.99E-05
1257	564255.27	4191538.75	0.002863	1.10E-03	4.59E-04	1.73E-04	2.71E-04	1.24E-04	2.25E-04	7.48E-05
1258	564247.02	4191533.7	0.00294	1.13E-03	4.72E-04	1.77E-04	2.78E-04	1.27E-04	2.31E-04	7.68E-05
1259	564238.78	4191528.66	0.002995	1.15E-03	4.81E-04	1.81E-04	2.84E-04	1.29E-04	2.35E-04	7.83E-05
1260	564230.54	4191523.61	0.003027	1.16E-03	4.86E-04	1.82E-04	2.87E-04	1.31E-04	2.37E-04	7.91E-05
1261	564222.29	4191518.56	0.00303	1.17E-03	4.86E-04	1.83E-04	2.87E-04	1.31E-04	2.38E-04	7.92E-05
1262	564214.05	4191513.51	0.003003	1.16E-03	4.82E-04	1.81E-04	2.84E-04	1.30E-04	2.36E-04	7.85E-05
1263	564205.81	4191508.47	0.002946	1.13E-03	4.73E-04	1.78E-04	2.79E-04	1.27E-04	2.31E-04	7.70E-05
1264	564197.56	4191503.42	0.00286	1.10E-03	4.59E-04	1.72E-04	2.71E-04	1.23E-04	2.24E-04	7.47E-05
1265	564189.32	4191498.37	0.002748	1.06E-03	4.41E-04	1.66E-04	2.60E-04	1.19E-04	2.16E-04	7.18E-05
1266	564181.07	4191493.32	0.002615	1.01E-03	4.19E-04	1.58E-04	2.48E-04	1.13E-04	2.05E-04	6.83E-05
1267	564164.59	4191483.23	0.00231	8.89E-04	3.71E-04	1.39E-04	2.19E-04	9.97E-05	1.81E-04	6.04E-05
1268	564156.34	4191478.18	0.002149	8.27E-04	3.45E-04	1.30E-04	2.03E-04	9.27E-05	1.69E-04	5.62E-05

1269	564145.92	4191463.72	0.001947	7.49E-04	3.12E-04	1.17E-04	1.84E-04	8.40E-05	1.53E-04	5.09E-05
1270	564143.74	4191454.3	0.001894	7.29E-04	3.04E-04	1.14E-04	1.79E-04	8.17E-05	1.49E-04	4.95E-05
1271	564141.56	4191444.88	0.00183	7.04E-04	2.94E-04	1.10E-04	1.73E-04	7.90E-05	1.44E-04	4.78E-05
1272	564139.38	4191435.47	0.001757	6.76E-04	2.82E-04	1.06E-04	1.66E-04	7.59E-05	1.38E-04	4.59E-05
1273	564137.2	4191426.05	0.001673	6.44E-04	2.68E-04	1.01E-04	1.58E-04	7.22E-05	1.31E-04	4.37E-05
1274	564135.02	4191416.63	0.001583	6.09E-04	2.54E-04	9.54E-05	1.50E-04	6.83E-05	1.24E-04	4.14E-05
1275	564132.84	4191407.22	0.001488	5.72E-04	2.39E-04	8.97E-05	1.41E-04	6.42E-05	1.17E-04	3.89E-05
1276	564130.66	4191397.8	0.00139	5.35E-04	2.23E-04	8.38E-05	1.32E-04	6.00E-05	1.09E-04	3.63E-05
1277	564128.48	4191388.38	0.00129	4.96E-04	2.07E-04	7.78E-05	1.22E-04	5.57E-05	1.01E-04	3.37E-05
1278	564126.3	4191378.96	0.001191	4.58E-04	1.91E-04	7.18E-05	1.13E-04	5.14E-05	9.34E-05	3.11E-05
1279	564124.13	4191369.55	0.001097	4.22E-04	1.76E-04	6.61E-05	1.04E-04	4.74E-05	8.61E-05	2.87E-05
1280	564121.95	4191360.13	0.00101	3.89E-04	1.62E-04	6.09E-05	9.56E-05	4.36E-05	7.92E-05	2.64E-05
1281	564119.77	4191350.71	0.000931	3.58E-04	1.49E-04	5.61E-05	8.81E-05	4.02E-05	7.30E-05	2.43E-05
1282	564117.59	4191341.29	0.000861	3.31E-04	1.38E-04	5.19E-05	8.15E-05	3.72E-05	6.75E-05	2.25E-05
1283	564115.41	4191331.88	0.000801	3.08E-04	1.28E-04	4.83E-05	7.58E-05	3.46E-05	6.28E-05	2.09E-05
1284	564245.89	4191543.82	0.00269	1.03E-03	4.31E-04	1.62E-04	2.55E-04	1.16E-04	2.11E-04	7.03E-05
1285	564237.75	4191538.84	0.002747	1.06E-03	4.41E-04	1.66E-04	2.60E-04	1.19E-04	2.15E-04	7.18E-05
1286	564229.6	4191533.85	0.002784	1.07E-03	4.47E-04	1.68E-04	2.64E-04	1.20E-04	2.18E-04	7.28E-05
1287	564221.45	4191528.86	0.002799	1.08E-03	4.49E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04	7.32E-05
1288	564213.31	4191523.87	0.002789	1.07E-03	4.47E-04	1.68E-04	2.64E-04	1.20E-04	2.19E-04	7.29E-05
1289	564205.16	4191518.89	0.002754	1.06E-03	4.42E-04	1.66E-04	2.61E-04	1.19E-04	2.16E-04	7.20E-05
1290	564197.01	4191513.9	0.002694	1.04E-03	4.32E-04	1.62E-04	2.55E-04	1.16E-04	2.11E-04	7.04E-05
1291	564188.87	4191508.91	0.00261	1.00E-03	4.19E-04	1.57E-04	2.47E-04	1.13E-04	2.05E-04	6.82E-05
1292	564180.72	4191503.92	0.002507	9.65E-04	4.02E-04	1.51E-04	2.37E-04	1.08E-04	1.97E-04	6.55E-05
1293	564164.43	4191493.95	0.002255	8.68E-04	3.62E-04	1.36E-04	2.13E-04	9.73E-05	1.77E-04	5.89E-05
1294	564156.28	4191488.96	0.002117	8.14E-04	3.40E-04	1.28E-04	2.00E-04	9.14E-05	1.66E-04	5.53E-05
1295	564148.13	4191483.97	0.001975	7.60E-04	3.17E-04	1.19E-04	1.87E-04	8.53E-05	1.55E-04	5.16E-05
1296	564137.83	4191469.68	0.001799	6.92E-04	2.89E-04	1.08E-04	1.70E-04	7.76E-05	1.41E-04	4.70E-05
1297	564135.68	4191460.37	0.001753	6.74E-04	2.81E-04	1.06E-04	1.66E-04	7.56E-05	1.37E-04	4.58E-05
1298	564133.53	4191451.06	0.001698	6.53E-04	2.72E-04	1.02E-04	1.61E-04	7.33E-05	1.33E-04	4.44E-05
1299	564131.37	4191441.76	0.001636	6.29E-04	2.62E-04	9.86E-05	1.55E-04	7.06E-05	1.28E-04	4.28E-05
1300	564129.22	4191432.45	0.001566	6.03E-04	2.51E-04	9.44E-05	1.48E-04	6.76E-05	1.23E-04	4.09E-05
1301	564127.06	4191423.14	0.001489	5.73E-04	2.39E-04	8.98E-05	1.41E-04	6.43E-05	1.17E-04	3.89E-05
1302	564124.91	4191413.84	0.001408	5.42E-04	2.26E-04	8.49E-05	1.33E-04	6.08E-05	1.10E-04	3.68E-05
1303	564122.76	4191404.53	0.001324	5.09E-04	2.12E-04	7.98E-05	1.25E-04	5.71E-05	1.04E-04	3.46E-05
1304	564120.6	4191395.22	0.001236	4.76E-04	1.98E-04	7.45E-05	1.17E-04	5.33E-05	9.69E-05	3.23E-05
1305	564118.45	4191385.92	0.001147	4.42E-04	1.84E-04	6.92E-05	1.09E-04	4.95E-05	9.00E-05	3.00E-05
1306	564116.29	4191376.61	0.001061	4.08E-04	1.70E-04	6.39E-05	1.00E-04	4.58E-05	8.32E-05	2.77E-05
1307	564114.14	4191367.31	0.00098	3.77E-04	1.57E-04	5.91E-05	9.28E-05	4.23E-05	7.69E-05	2.56E-05
1308	564111.99	4191358	0.000906	3.49E-04	1.45E-04	5.46E-05	8.58E-05	3.91E-05	7.11E-05	2.37E-05
1309	564109.83	4191348.69	0.000839	3.23E-04	1.35E-04	5.06E-05	7.94E-05	3.62E-05	6.58E-05	2.19E-05
1310	564107.68	4191339.39	0.000779	3.00E-04	1.25E-04	4.70E-05	7.38E-05	3.36E-05	6.11E-05	2.04E-05
1311	564105.53	4191330.08	0.000728	2.80E-04	1.17E-04	4.39E-05	6.90E-05	3.14E-05	5.71E-05	1.90E-05
1312	564278.48	4191563.78	0.002343	9.02E-04	3.76E-04	1.41E-04	2.22E-04	1.01E-04	1.84E-04	6.12E-05
1313	564268.9	4191568.73	0.002239	8.61E-04	3.59E-04	1.35E-04	2.12E-04	9.66E-05	1.76E-04	5.85E-05
1314	564260.84	4191563.79	0.002321	8.93E-04	3.72E-04	1.40E-04	2.20E-04	1.00E-04	1.82E-04	6.07E-05
1315	564252.78	4191558.85	0.002399	9.23E-04	3.85E-04	1.45E-04	2.27E-04	1.04E-04	1.88E-04	6.27E-05
1316	564220.54	4191539.11	0.002589	9.96E-04	4.15E-04	1.56E-04	2.45E-04	1.12E-04	2.03E-04	6.77E-05
1317	564212.48	4191534.18	0.002591	9.97E-04	4.16E-04	1.56E-04	2.45E-04	1.12E-04	2.03E-04	6.77E-05
1318	564204.42	4191529.24	0.002572	9.90E-04	4.13E-04	1.55E-04	2.43E-04	1.11E-04	2.02E-04	6.72E-05
1319	564196.36	4191524.31	0.002532	9.74E-04	4.06E-04	1.53E-04	2.40E-04	1.09E-04	1.99E-04	6.62E-05
1320	564188.3	4191519.37	0.002471	9.51E-04	3.96E-04	1.49E-04	2.34E-04	1.07E-04	1.94E-04	6.46E-05
1321	564180.24	4191514.44	0.002392	9.20E-04	3.84E-04	1.44E-04	2.26E-04	1.03E-04	1.88E-04	6.25E-05

1322	564156.06	4191499.63	0.002071	7.97E-04	3.32E-04	1.25E-04	1.96E-04	8.94E-05	1.62E-04	5.41E-05
1323	564147.99	4191494.7	0.001947	7.49E-04	3.12E-04	1.17E-04	1.84E-04	8.41E-05	1.53E-04	5.09E-05
1324	564139.93	4191489.76	0.001824	7.02E-04	2.93E-04	1.10E-04	1.73E-04	7.87E-05	1.43E-04	4.77E-05
1325	564129.74	4191475.62	0.001669	6.42E-04	2.68E-04	1.01E-04	1.58E-04	7.20E-05	1.31E-04	4.36E-05
1326	564127.61	4191466.41	0.001627	6.26E-04	2.61E-04	9.81E-05	1.54E-04	7.02E-05	1.28E-04	4.25E-05
1327	564125.48	4191457.2	0.00158	6.08E-04	2.53E-04	9.52E-05	1.50E-04	6.82E-05	1.24E-04	4.13E-05
1328	564123.35	4191448	0.001526	5.87E-04	2.45E-04	9.20E-05	1.44E-04	6.59E-05	1.20E-04	3.99E-05
1329	564121.22	4191438.79	0.001467	5.64E-04	2.35E-04	8.84E-05	1.39E-04	6.33E-05	1.15E-04	3.83E-05
1330	564119.09	4191429.58	0.001402	5.39E-04	2.25E-04	8.45E-05	1.33E-04	6.05E-05	1.10E-04	3.66E-05
1331	564116.96	4191420.37	0.001332	5.13E-04	2.14E-04	8.03E-05	1.26E-04	5.75E-05	1.05E-04	3.48E-05
1332	564114.83	4191411.16	0.00126	4.85E-04	2.02E-04	7.59E-05	1.19E-04	5.44E-05	9.88E-05	3.29E-05
1333	564112.69	4191401.96	0.001183	4.55E-04	1.90E-04	7.13E-05	1.12E-04	5.11E-05	9.28E-05	3.09E-05
1334	564110.56	4191392.75	0.001104	4.25E-04	1.77E-04	6.66E-05	1.05E-04	4.77E-05	8.66E-05	2.89E-05
1335	564108.43	4191383.54	0.001027	3.95E-04	1.65E-04	6.19E-05	9.72E-05	4.43E-05	8.06E-05	2.68E-05
1336	564106.3	4191374.33	0.000952	3.66E-04	1.53E-04	5.74E-05	9.02E-05	4.11E-05	7.47E-05	2.49E-05
1337	564104.17	4191365.13	0.000883	3.40E-04	1.42E-04	5.32E-05	8.36E-05	3.81E-05	6.93E-05	2.31E-05
1338	564102.04	4191355.92	0.000818	3.15E-04	1.31E-04	4.93E-05	7.75E-05	3.53E-05	6.42E-05	2.14E-05
1339	564099.91	4191346.71	0.00076	2.92E-04	1.22E-04	4.58E-05	7.19E-05	3.28E-05	5.96E-05	1.99E-05
1340	564097.78	4191337.5	0.000709	2.73E-04	1.14E-04	4.27E-05	6.71E-05	3.06E-05	5.56E-05	1.85E-05
1341	564095.65	4191328.29	0.000665	2.56E-04	1.07E-04	4.01E-05	6.30E-05	2.87E-05	5.22E-05	1.74E-05
1342	564276.96	4191573.66	0.002155	8.29E-04	3.46E-04	1.30E-04	2.04E-04	9.30E-05	1.69E-04	5.63E-05
1343	564286.82	4191575.17	0.002128	8.19E-04	3.41E-04	1.28E-04	2.01E-04	9.18E-05	1.67E-04	5.56E-05
1344	564296.67	4191576.69	0.002097	8.07E-04	3.36E-04	1.26E-04	1.98E-04	9.05E-05	1.64E-04	5.48E-05
1345	564306.52	4191578.2	0.002063	7.94E-04	3.31E-04	1.24E-04	1.95E-04	8.91E-05	1.62E-04	5.39E-05
1346	564267.02	4191578.38	0.002069	7.96E-04	3.32E-04	1.25E-04	1.96E-04	8.93E-05	1.62E-04	5.41E-05
1347	564258.59	4191573.23	0.002147	8.26E-04	3.44E-04	1.29E-04	2.03E-04	9.27E-05	1.68E-04	5.61E-05
1348	564250.16	4191568.07	0.002221	8.55E-04	3.56E-04	1.34E-04	2.10E-04	9.59E-05	1.74E-04	5.81E-05
1349	564241.74	4191562.91	0.002287	8.80E-04	3.67E-04	1.38E-04	2.17E-04	9.87E-05	1.79E-04	5.98E-05
1350	564233.31	4191557.75	0.002341	9.01E-04	3.76E-04	1.41E-04	2.22E-04	1.01E-04	1.84E-04	6.12E-05
1351	564191.18	4191531.95	0.002356	9.06E-04	3.78E-04	1.42E-04	2.23E-04	1.02E-04	1.85E-04	6.16E-05
1352	564182.75	4191526.79	0.002299	8.85E-04	3.69E-04	1.39E-04	2.18E-04	9.93E-05	1.80E-04	6.01E-05
1353	564157.47	4191511.31	0.002038	7.84E-04	3.27E-04	1.23E-04	1.93E-04	8.80E-05	1.60E-04	5.33E-05
1354	564149.04	4191506.15	0.001928	7.42E-04	3.09E-04	1.16E-04	1.83E-04	8.32E-05	1.51E-04	5.04E-05
1355	564140.61	4191500.99	0.001813	6.98E-04	2.91E-04	1.09E-04	1.72E-04	7.83E-05	1.42E-04	4.74E-05
1356	564132.19	4191495.83	0.001698	6.53E-04	2.72E-04	1.02E-04	1.61E-04	7.33E-05	1.33E-04	4.44E-05
1357	564121.53	4191481.05	0.001552	5.97E-04	2.49E-04	9.35E-05	1.47E-04	6.70E-05	1.22E-04	4.06E-05
1358	564119.3	4191471.42	0.001512	5.82E-04	2.43E-04	9.11E-05	1.43E-04	6.52E-05	1.19E-04	3.95E-05
1359	564117.08	4191461.8	0.001466	5.64E-04	2.35E-04	8.84E-05	1.39E-04	6.33E-05	1.15E-04	3.83E-05
1360	564114.85	4191452.17	0.001416	5.45E-04	2.27E-04	8.53E-05	1.34E-04	6.11E-05	1.11E-04	3.70E-05
1361	564112.62	4191442.54	0.00136	5.23E-04	2.18E-04	8.20E-05	1.29E-04	5.87E-05	1.07E-04	3.56E-05
1362	564110.39	4191432.92	0.001301	5.00E-04	2.09E-04	7.84E-05	1.23E-04	5.61E-05	1.02E-04	3.40E-05
1363	564108.17	4191423.29	0.001236	4.76E-04	1.98E-04	7.45E-05	1.17E-04	5.34E-05	9.70E-05	3.23E-05
1364	564105.94	4191413.66	0.001168	4.49E-04	1.87E-04	7.04E-05	1.11E-04	5.04E-05	9.16E-05	3.05E-05
1365	564103.71	4191404.04	0.001096	4.22E-04	1.76E-04	6.61E-05	1.04E-04	4.73E-05	8.60E-05	2.86E-05
1366	564101.48	4191394.41	0.001023	3.94E-04	1.64E-04	6.17E-05	9.68E-05	4.42E-05	8.02E-05	2.67E-05
1367	564099.25	4191384.78	0.000951	3.66E-04	1.53E-04	5.73E-05	9.00E-05	4.10E-05	7.46E-05	2.49E-05
1368	564097.03	4191375.16	0.000882	3.39E-04	1.41E-04	5.31E-05	8.35E-05	3.81E-05	6.92E-05	2.30E-05
1369	564094.8	4191365.53	0.000816	3.14E-04	1.31E-04	4.92E-05	7.72E-05	3.52E-05	6.40E-05	2.13E-05
1370	564092.57	4191355.9	0.000755	2.91E-04	1.21E-04	4.55E-05	7.15E-05	3.26E-05	5.92E-05	1.97E-05
1371	564090.34	4191346.28	0.0007	2.69E-04	1.12E-04	4.22E-05	6.63E-05	3.02E-05	5.49E-05	1.83E-05
1372	564088.11	4191336.65	0.000653	2.51E-04	1.05E-04	3.94E-05	6.18E-05	2.82E-05	5.12E-05	1.71E-05
1373	564085.89	4191327.02	0.000612	2.36E-04	9.82E-05	3.69E-05	5.80E-05	2.64E-05	4.80E-05	1.60E-05
1374	564275.44	4191583.54	0.001989	7.65E-04	3.19E-04	1.20E-04	1.88E-04	8.58E-05	1.56E-04	5.20E-05

1375	564285.3	4191585.06	0.001963	7.55E-04	3.15E-04	1.18E-04	1.86E-04	8.47E-05	1.54E-04	5.13E-05
1376	564295.15	4191586.57	0.001934	7.44E-04	3.10E-04	1.17E-04	1.83E-04	8.35E-05	1.52E-04	5.05E-05
1377	564305	4191588.08	0.001905	7.33E-04	3.06E-04	1.15E-04	1.80E-04	8.22E-05	1.49E-04	4.98E-05
1378	564265.6	4191588.33	0.001914	7.37E-04	3.07E-04	1.15E-04	1.81E-04	8.26E-05	1.50E-04	5.00E-05
1379	564257.27	4191583.23	0.001985	7.64E-04	3.18E-04	1.20E-04	1.88E-04	8.57E-05	1.56E-04	5.19E-05
1380	564248.94	4191578.13	0.002052	7.90E-04	3.29E-04	1.24E-04	1.94E-04	8.86E-05	1.61E-04	5.36E-05
1381	564240.6	4191573.03	0.002113	8.13E-04	3.39E-04	1.27E-04	2.00E-04	9.12E-05	1.66E-04	5.52E-05
1382	564232.27	4191567.93	0.002165	8.33E-04	3.47E-04	1.30E-04	2.05E-04	9.34E-05	1.70E-04	5.66E-05
1383	564223.94	4191562.83	0.002205	8.48E-04	3.54E-04	1.33E-04	2.09E-04	9.52E-05	1.73E-04	5.76E-05
1384	564215.61	4191557.73	0.002232	8.59E-04	3.58E-04	1.35E-04	2.11E-04	9.63E-05	1.75E-04	5.83E-05
1385	564207.28	4191552.63	0.002243	8.63E-04	3.60E-04	1.35E-04	2.12E-04	9.68E-05	1.76E-04	5.86E-05
1386	564157.3	4191522.02	0.001974	7.60E-04	3.17E-04	1.19E-04	1.87E-04	8.52E-05	1.55E-04	5.16E-05
1387	564148.97	4191516.92	0.001883	7.25E-04	3.02E-04	1.14E-04	1.78E-04	8.13E-05	1.48E-04	4.92E-05
1388	564140.64	4191511.82	0.001785	6.87E-04	2.86E-04	1.08E-04	1.69E-04	7.70E-05	1.40E-04	4.66E-05
1389	564132.31	4191506.72	0.001682	6.47E-04	2.70E-04	1.01E-04	1.59E-04	7.26E-05	1.32E-04	4.40E-05
1390	564123.98	4191501.62	0.00158	6.08E-04	2.53E-04	9.52E-05	1.50E-04	6.82E-05	1.24E-04	4.13E-05
1391	564113.45	4191487	0.00145	5.58E-04	2.33E-04	8.74E-05	1.37E-04	6.26E-05	1.14E-04	3.79E-05
1392	564111.24	4191477.49	0.001414	5.44E-04	2.27E-04	8.52E-05	1.34E-04	6.10E-05	1.11E-04	3.70E-05
1393	564109.04	4191467.97	0.001373	5.28E-04	2.20E-04	8.28E-05	1.30E-04	5.93E-05	1.08E-04	3.59E-05
1394	564106.84	4191458.46	0.00133	5.12E-04	2.13E-04	8.02E-05	1.26E-04	5.74E-05	1.04E-04	3.48E-05
1395	564104.64	4191448.94	0.001282	4.93E-04	2.06E-04	7.73E-05	1.21E-04	5.53E-05	1.01E-04	3.35E-05
1396	564102.43	4191439.42	0.00123	4.73E-04	1.97E-04	7.42E-05	1.16E-04	5.31E-05	9.65E-05	3.22E-05
1397	564100.23	4191429.91	0.001174	4.52E-04	1.88E-04	7.08E-05	1.11E-04	5.07E-05	9.21E-05	3.07E-05
1398	564098.03	4191420.39	0.001114	4.29E-04	1.79E-04	6.71E-05	1.05E-04	4.81E-05	8.74E-05	2.91E-05
1399	564095.83	4191410.87	0.00105	4.04E-04	1.69E-04	6.33E-05	9.94E-05	4.53E-05	8.24E-05	2.75E-05
1400	564093.62	4191401.36	0.000986	3.79E-04	1.58E-04	5.94E-05	9.33E-05	4.26E-05	7.73E-05	2.58E-05
1401	564091.42	4191391.84	0.000922	3.55E-04	1.48E-04	5.56E-05	8.73E-05	3.98E-05	7.23E-05	2.41E-05
1402	564089.22	4191382.32	0.000859	3.31E-04	1.38E-04	5.18E-05	8.13E-05	3.71E-05	6.74E-05	2.25E-05
1403	564087.02	4191372.81	0.000799	3.07E-04	1.28E-04	4.81E-05	7.56E-05	3.45E-05	6.27E-05	2.09E-05
1404	564084.81	4191363.29	0.000741	2.85E-04	1.19E-04	4.47E-05	7.01E-05	3.20E-05	5.81E-05	1.94E-05
1405	564082.61	4191353.78	0.000687	2.65E-04	1.10E-04	4.14E-05	6.51E-05	2.97E-05	5.39E-05	1.80E-05
1406	564080.41	4191344.26	0.00064	2.46E-04	1.03E-04	3.86E-05	6.06E-05	2.76E-05	5.02E-05	1.67E-05
1407	564078.21	4191334.74	0.0006	2.31E-04	9.62E-05	3.62E-05	5.68E-05	2.59E-05	4.71E-05	1.57E-05
1408	564076	4191325.23	0.000565	2.17E-04	9.07E-05	3.41E-05	5.35E-05	2.44E-05	4.43E-05	1.48E-05
1409	564273.93	4191593.43	0.001843	7.09E-04	2.96E-04	1.11E-04	1.74E-04	7.95E-05	1.45E-04	4.82E-05
1410	564283.78	4191594.94	0.001819	7.00E-04	2.92E-04	1.10E-04	1.72E-04	7.85E-05	1.43E-04	4.75E-05
1411	564293.63	4191596.46	0.001792	6.90E-04	2.87E-04	1.08E-04	1.70E-04	7.74E-05	1.41E-04	4.68E-05
1412	564303.49	4191597.97	0.001767	6.80E-04	2.83E-04	1.06E-04	1.67E-04	7.63E-05	1.39E-04	4.62E-05
1413	564264.16	4191598.27	0.001777	6.84E-04	2.85E-04	1.07E-04	1.68E-04	7.67E-05	1.39E-04	4.64E-05
1414	564255.92	4191593.22	0.00184	7.08E-04	2.95E-04	1.11E-04	1.74E-04	7.94E-05	1.44E-04	4.81E-05
1415	564247.68	4191588.17	0.001902	7.32E-04	3.05E-04	1.15E-04	1.80E-04	8.21E-05	1.49E-04	4.97E-05
1416	564239.43	4191583.12	0.001958	7.53E-04	3.14E-04	1.18E-04	1.85E-04	8.45E-05	1.54E-04	5.12E-05
1417	564231.19	4191578.08	0.002007	7.72E-04	3.22E-04	1.21E-04	1.90E-04	8.66E-05	1.57E-04	5.25E-05
1418	564222.95	4191573.03	0.002047	7.87E-04	3.28E-04	1.23E-04	1.94E-04	8.83E-05	1.61E-04	5.35E-05
1419	564214.7	4191567.98	0.002076	7.99E-04	3.33E-04	1.25E-04	1.97E-04	8.96E-05	1.63E-04	5.43E-05
1420	564206.46	4191562.93	0.002093	8.05E-04	3.36E-04	1.26E-04	1.98E-04	9.03E-05	1.64E-04	5.47E-05
1421	564198.22	4191557.89	0.002096	8.07E-04	3.36E-04	1.26E-04	1.98E-04	9.05E-05	1.64E-04	5.48E-05
1422	564189.97	4191552.84	0.002086	8.03E-04	3.35E-04	1.26E-04	1.97E-04	9.00E-05	1.64E-04	5.45E-05
1423	564181.73	4191547.79	0.002061	7.93E-04	3.31E-04	1.24E-04	1.95E-04	8.90E-05	1.62E-04	5.39E-05
1424	564148.75	4191527.6	0.001829	7.04E-04	2.93E-04	1.10E-04	1.73E-04	7.89E-05	1.43E-04	4.78E-05
1425	564140.51	4191522.56	0.001746	6.72E-04	2.80E-04	1.05E-04	1.65E-04	7.54E-05	1.37E-04	4.56E-05
1426	564132.27	4191517.51	0.001657	6.38E-04	2.66E-04	9.99E-05	1.57E-04	7.15E-05	1.30E-04	4.33E-05
1427	564124.02	4191512.46	0.001565	6.02E-04	2.51E-04	9.43E-05	1.48E-04	6.76E-05	1.23E-04	4.09E-05

1428	564115.78	4191507.41	0.001473	5.67E-04	2.36E-04	8.88E-05	1.39E-04	6.36E-05	1.16E-04	3.85E-05
1429	564105.36	4191492.95	0.001357	5.22E-04	2.18E-04	8.18E-05	1.28E-04	5.86E-05	1.06E-04	3.55E-05
1430	564103.18	4191483.53	0.001326	5.10E-04	2.13E-04	7.99E-05	1.26E-04	5.72E-05	1.04E-04	3.47E-05
1431	564101	4191474.12	0.001291	4.97E-04	2.07E-04	7.78E-05	1.22E-04	5.57E-05	1.01E-04	3.37E-05
1432	564098.82	4191464.7	0.001252	4.82E-04	2.01E-04	7.55E-05	1.18E-04	5.40E-05	9.82E-05	3.27E-05
1433	564096.64	4191455.28	0.00121	4.66E-04	1.94E-04	7.29E-05	1.15E-04	5.22E-05	9.49E-05	3.16E-05
1434	564094.46	4191445.86	0.001165	4.48E-04	1.87E-04	7.02E-05	1.10E-04	5.03E-05	9.14E-05	3.04E-05
1435	564092.28	4191436.45	0.001116	4.29E-04	1.79E-04	6.73E-05	1.06E-04	4.82E-05	8.76E-05	2.92E-05
1436	564090.1	4191427.03	0.001063	4.09E-04	1.71E-04	6.41E-05	1.01E-04	4.59E-05	8.34E-05	2.78E-05
1437	564087.92	4191417.61	0.001007	3.87E-04	1.62E-04	6.07E-05	9.53E-05	4.35E-05	7.90E-05	2.63E-05
1438	564085.74	4191408.2	0.000949	3.65E-04	1.52E-04	5.72E-05	8.98E-05	4.09E-05	7.44E-05	2.48E-05
1439	564083.56	4191398.78	0.000891	3.43E-04	1.43E-04	5.37E-05	8.44E-05	3.85E-05	6.99E-05	2.33E-05
1440	564081.38	4191389.36	0.000835	3.21E-04	1.34E-04	5.03E-05	7.90E-05	3.60E-05	6.55E-05	2.18E-05
1441	564079.2	4191379.94	0.00078	3.00E-04	1.25E-04	4.70E-05	7.38E-05	3.37E-05	6.12E-05	2.04E-05
1442	564077.02	4191370.53	0.000726	2.79E-04	1.16E-04	4.38E-05	6.87E-05	3.13E-05	5.70E-05	1.90E-05
1443	564074.84	4191361.11	0.000676	2.60E-04	1.08E-04	4.07E-05	6.40E-05	2.92E-05	5.30E-05	1.77E-05
1444	564072.66	4191351.69	0.00063	2.42E-04	1.01E-04	3.80E-05	5.96E-05	2.72E-05	4.94E-05	1.65E-05
1445	564070.48	4191342.27	0.000589	2.27E-04	9.45E-05	3.55E-05	5.58E-05	2.54E-05	4.62E-05	1.54E-05
1446	564068.3	4191332.86	0.000554	2.13E-04	8.89E-05	3.34E-05	5.24E-05	2.39E-05	4.35E-05	1.45E-05
1447	564066.12	4191323.44	0.000524	2.01E-04	8.40E-05	3.16E-05	4.96E-05	2.26E-05	4.11E-05	1.37E-05
1448	564272.41	4191603.31	0.001713	6.59E-04	2.75E-04	1.03E-04	1.62E-04	7.39E-05	1.34E-04	4.48E-05
1449	564282.26	4191604.83	0.001691	6.51E-04	2.71E-04	1.02E-04	1.60E-04	7.30E-05	1.33E-04	4.42E-05
1450	564292.12	4191606.34	0.001666	6.41E-04	2.67E-04	1.00E-04	1.58E-04	7.19E-05	1.31E-04	4.36E-05
1451	564301.97	4191607.85	0.001643	6.32E-04	2.64E-04	9.90E-05	1.56E-04	7.09E-05	1.29E-04	4.29E-05
1452	564262.73	4191608.2	0.001654	6.36E-04	2.65E-04	9.97E-05	1.57E-04	7.14E-05	1.30E-04	4.32E-05
1453	564254.56	4191603.2	0.001711	6.59E-04	2.75E-04	1.03E-04	1.62E-04	7.39E-05	1.34E-04	4.47E-05
1454	564246.39	4191598.2	0.001767	6.80E-04	2.83E-04	1.07E-04	1.67E-04	7.63E-05	1.39E-04	4.62E-05
1455	564238.23	4191593.2	0.001819	7.00E-04	2.92E-04	1.10E-04	1.72E-04	7.85E-05	1.43E-04	4.75E-05
1456	564230.06	4191588.2	0.001865	7.18E-04	2.99E-04	1.12E-04	1.77E-04	8.05E-05	1.46E-04	4.87E-05
1457	564221.9	4191583.2	0.001904	7.32E-04	3.05E-04	1.15E-04	1.80E-04	8.22E-05	1.49E-04	4.98E-05
1458	564213.73	4191578.2	0.001934	7.44E-04	3.10E-04	1.17E-04	1.83E-04	8.35E-05	1.52E-04	5.06E-05
1459	564205.57	4191573.2	0.001955	7.52E-04	3.14E-04	1.18E-04	1.85E-04	8.44E-05	1.53E-04	5.11E-05
1460	564197.4	4191568.2	0.001964	7.56E-04	3.15E-04	1.18E-04	1.86E-04	8.48E-05	1.54E-04	5.13E-05
1461	564189.24	4191563.2	0.001962	7.55E-04	3.15E-04	1.18E-04	1.86E-04	8.47E-05	1.54E-04	5.13E-05
1462	564181.07	4191558.21	0.001947	7.49E-04	3.12E-04	1.17E-04	1.84E-04	8.40E-05	1.53E-04	5.09E-05
1463	564123.92	4191523.21	0.001542	5.93E-04	2.47E-04	9.30E-05	1.46E-04	6.66E-05	1.21E-04	4.03E-05
1464	564115.75	4191518.21	0.00146	5.62E-04	2.34E-04	8.80E-05	1.38E-04	6.30E-05	1.15E-04	3.82E-05
1465	564107.59	4191513.21	0.001377	5.30E-04	2.21E-04	8.30E-05	1.30E-04	5.95E-05	1.08E-04	3.60E-05
1466	564097.26	4191498.89	0.001273	4.90E-04	2.04E-04	7.67E-05	1.20E-04	5.49E-05	9.99E-05	3.33E-05
1467	564095.1	4191489.56	0.001246	4.79E-04	2.00E-04	7.51E-05	1.18E-04	5.38E-05	9.77E-05	3.26E-05
1468	564092.95	4191480.23	0.001215	4.67E-04	1.95E-04	7.32E-05	1.15E-04	5.24E-05	9.53E-05	3.17E-05
1469	564090.79	4191470.9	0.001181	4.54E-04	1.89E-04	7.12E-05	1.12E-04	5.10E-05	9.26E-05	3.09E-05
1470	564088.63	4191461.58	0.001144	4.40E-04	1.83E-04	6.89E-05	1.08E-04	4.94E-05	8.97E-05	2.99E-05
1471	564086.47	4191452.25	0.001104	4.25E-04	1.77E-04	6.65E-05	1.04E-04	4.76E-05	8.66E-05	2.89E-05
1472	564084.31	4191442.92	0.001061	4.08E-04	1.70E-04	6.40E-05	1.00E-04	4.58E-05	8.32E-05	2.77E-05
1473	564082.15	4191433.59	0.001015	3.90E-04	1.63E-04	6.12E-05	9.61E-05	4.38E-05	7.96E-05	2.65E-05
1474	564079.99	4191424.27	0.000965	3.71E-04	1.55E-04	5.82E-05	9.14E-05	4.17E-05	7.57E-05	2.52E-05
1475	564077.83	4191414.94	0.000914	3.52E-04	1.47E-04	5.51E-05	8.65E-05	3.94E-05	7.17E-05	2.39E-05
1476	564075.68	4191405.61	0.000862	3.32E-04	1.38E-04	5.19E-05	8.16E-05	3.72E-05	6.76E-05	2.25E-05
1477	564073.52	4191396.28	0.00081	3.12E-04	1.30E-04	4.88E-05	7.67E-05	3.50E-05	6.36E-05	2.12E-05
1478	564071.36	4191386.96	0.000759	2.92E-04	1.22E-04	4.58E-05	7.19E-05	3.28E-05	5.96E-05	1.98E-05
1479	564069.2	4191377.63	0.00071	2.73E-04	1.14E-04	4.28E-05	6.72E-05	3.06E-05	5.57E-05	1.86E-05
1480	564067.04	4191368.3	0.000663	2.55E-04	1.06E-04	4.00E-05	6.27E-05	2.86E-05	5.20E-05	1.73E-05

1481	564064.88	4191358.97	0.000619	2.38E-04	9.93E-05	3.73E-05	5.86E-05	2.67E-05	4.86E-05	1.62E-05
1482	564062.72	4191349.65	0.000579	2.23E-04	9.29E-05	3.49E-05	5.48E-05	2.50E-05	4.55E-05	1.51E-05
1483	564060.56	4191340.32	0.000544	2.09E-04	8.73E-05	3.28E-05	5.15E-05	2.35E-05	4.27E-05	1.42E-05
1484	564058.41	4191330.99	0.000513	1.97E-04	8.23E-05	3.09E-05	4.86E-05	2.22E-05	4.03E-05	1.34E-05
1485	564056.25	4191321.66	0.000487	1.87E-04	7.81E-05	2.93E-05	4.61E-05	2.10E-05	3.82E-05	1.27E-05
1486	564270.89	4191613.2	0.001596	6.14E-04	2.56E-04	9.62E-05	1.51E-04	6.89E-05	1.25E-04	4.17E-05
1487	564280.74	4191614.71	0.001576	6.06E-04	2.53E-04	9.50E-05	1.49E-04	6.80E-05	1.24E-04	4.12E-05
1488	564290.6	4191616.22	0.001554	5.98E-04	2.49E-04	9.37E-05	1.47E-04	6.71E-05	1.22E-04	4.06E-05
1489	564300.45	4191617.74	0.001532	5.90E-04	2.46E-04	9.24E-05	1.45E-04	6.61E-05	1.20E-04	4.00E-05
1490	564260.89	4191617.89	0.001546	5.95E-04	2.48E-04	9.32E-05	1.46E-04	6.67E-05	1.21E-04	4.04E-05
1491	564252.41	4191612.7	0.001601	6.16E-04	2.57E-04	9.65E-05	1.52E-04	6.91E-05	1.26E-04	4.18E-05
1492	564243.93	4191607.51	0.001653	6.36E-04	2.65E-04	9.97E-05	1.57E-04	7.14E-05	1.30E-04	4.32E-05
1493	564235.46	4191602.31	0.001703	6.55E-04	2.73E-04	1.03E-04	1.61E-04	7.35E-05	1.34E-04	4.45E-05
1494	564226.98	4191597.12	0.001746	6.72E-04	2.80E-04	1.05E-04	1.65E-04	7.54E-05	1.37E-04	4.56E-05
1495	564218.5	4191591.93	0.001784	6.86E-04	2.86E-04	1.08E-04	1.69E-04	7.70E-05	1.40E-04	4.66E-05
1496	564210.02	4191586.74	0.001814	6.98E-04	2.91E-04	1.09E-04	1.72E-04	7.83E-05	1.42E-04	4.74E-05
1497	564201.54	4191581.55	0.001834	7.06E-04	2.94E-04	1.11E-04	1.74E-04	7.92E-05	1.44E-04	4.79E-05
1498	564193.06	4191576.36	0.001844	7.10E-04	2.96E-04	1.11E-04	1.75E-04	7.96E-05	1.45E-04	4.82E-05
1499	564184.58	4191571.17	0.001843	7.09E-04	2.96E-04	1.11E-04	1.74E-04	7.95E-05	1.45E-04	4.82E-05
1500	564176.1	4191565.97	0.00183	7.04E-04	2.94E-04	1.10E-04	1.73E-04	7.90E-05	1.44E-04	4.78E-05
1501	564150.66	4191550.4	0.001719	6.61E-04	2.76E-04	1.04E-04	1.63E-04	7.42E-05	1.35E-04	4.49E-05
1502	564099.79	4191519.25	0.001295	4.98E-04	2.08E-04	7.81E-05	1.23E-04	5.59E-05	1.02E-04	3.38E-05
1503	564089.07	4191504.37	0.001196	4.60E-04	1.92E-04	7.21E-05	1.13E-04	5.16E-05	9.38E-05	3.13E-05
1504	564086.83	4191494.69	0.001169	4.50E-04	1.88E-04	7.05E-05	1.11E-04	5.05E-05	9.17E-05	3.06E-05
1505	564084.58	4191485	0.001141	4.39E-04	1.83E-04	6.87E-05	1.08E-04	4.92E-05	8.95E-05	2.98E-05
1506	564082.34	4191475.31	0.001109	4.27E-04	1.78E-04	6.68E-05	1.05E-04	4.79E-05	8.70E-05	2.90E-05
1507	564080.1	4191465.63	0.001074	4.13E-04	1.72E-04	6.47E-05	1.02E-04	4.63E-05	8.42E-05	2.81E-05
1508	564077.86	4191455.94	0.001036	3.98E-04	1.66E-04	6.24E-05	9.80E-05	4.47E-05	8.12E-05	2.71E-05
1509	564075.62	4191446.26	0.000995	3.83E-04	1.60E-04	6.00E-05	9.42E-05	4.29E-05	7.81E-05	2.60E-05
1510	564073.37	4191436.57	0.000952	3.66E-04	1.53E-04	5.74E-05	9.01E-05	4.11E-05	7.47E-05	2.49E-05
1511	564071.13	4191426.88	0.000905	3.48E-04	1.45E-04	5.46E-05	8.57E-05	3.91E-05	7.10E-05	2.37E-05
1512	564068.89	4191417.2	0.000857	3.30E-04	1.37E-04	5.17E-05	8.11E-05	3.70E-05	6.72E-05	2.24E-05
1513	564066.65	4191407.51	0.000808	3.11E-04	1.30E-04	4.87E-05	7.65E-05	3.49E-05	6.34E-05	2.11E-05
1514	564064.41	4191397.82	0.000759	2.92E-04	1.22E-04	4.58E-05	7.19E-05	3.28E-05	5.96E-05	1.98E-05
1515	564062.17	4191388.14	0.000711	2.73E-04	1.14E-04	4.28E-05	6.73E-05	3.07E-05	5.58E-05	1.86E-05
1516	564059.92	4191378.45	0.000663	2.55E-04	1.06E-04	4.00E-05	6.28E-05	2.86E-05	5.21E-05	1.73E-05
1517	564057.68	4191368.77	0.000619	2.38E-04	9.94E-05	3.73E-05	5.86E-05	2.67E-05	4.86E-05	1.62E-05
1518	564055.44	4191359.08	0.000579	2.23E-04	9.28E-05	3.49E-05	5.48E-05	2.50E-05	4.54E-05	1.51E-05
1519	564053.2	4191349.39	0.000542	2.08E-04	8.69E-05	3.26E-05	5.13E-05	2.34E-05	4.25E-05	1.42E-05
1520	564050.96	4191339.71	0.000508	1.96E-04	8.15E-05	3.06E-05	4.81E-05	2.19E-05	3.99E-05	1.33E-05
1521	564048.72	4191330.02	0.000479	1.84E-04	7.68E-05	2.89E-05	4.53E-05	2.07E-05	3.76E-05	1.25E-05
1522	564046.47	4191320.33	0.000454	1.75E-04	7.28E-05	2.74E-05	4.30E-05	1.96E-05	3.56E-05	1.19E-05
1523	564269.37	4191623.08	0.001491	5.74E-04	2.39E-04	8.99E-05	1.41E-04	6.44E-05	1.17E-04	3.90E-05
1524	564279.23	4191624.59	0.001473	5.67E-04	2.36E-04	8.88E-05	1.39E-04	6.36E-05	1.16E-04	3.85E-05
1525	564289.08	4191626.11	0.001452	5.59E-04	2.33E-04	8.75E-05	1.37E-04	6.27E-05	1.14E-04	3.80E-05
1526	564298.93	4191627.62	0.001432	5.51E-04	2.30E-04	8.63E-05	1.36E-04	6.18E-05	1.12E-04	3.74E-05
1527	564259.46	4191627.83	0.001446	5.56E-04	2.32E-04	8.72E-05	1.37E-04	6.24E-05	1.13E-04	3.78E-05
1528	564251.07	4191622.69	0.001495	5.75E-04	2.40E-04	9.01E-05	1.42E-04	6.45E-05	1.17E-04	3.91E-05
1529	564242.67	4191617.55	0.001544	5.94E-04	2.48E-04	9.31E-05	1.46E-04	6.66E-05	1.21E-04	4.03E-05
1530	564234.28	4191612.41	0.00159	6.12E-04	2.55E-04	9.58E-05	1.50E-04	6.86E-05	1.25E-04	4.15E-05
1531	564225.89	4191607.27	0.00163	6.27E-04	2.62E-04	9.83E-05	1.54E-04	7.04E-05	1.28E-04	4.26E-05
1532	564217.49	4191602.13	0.001666	6.41E-04	2.67E-04	1.00E-04	1.58E-04	7.19E-05	1.31E-04	4.35E-05
1533	564209.1	4191596.99	0.001696	6.53E-04	2.72E-04	1.02E-04	1.61E-04	7.32E-05	1.33E-04	4.43E-05

1534	564200.71	4191591.85	0.001719	6.61E-04	2.76E-04	1.04E-04	1.63E-04	7.42E-05	1.35E-04	4.49E-05
1535	564192.31	4191586.71	0.001733	6.67E-04	2.78E-04	1.04E-04	1.64E-04	7.48E-05	1.36E-04	4.53E-05
1536	564183.92	4191581.57	0.001736	6.68E-04	2.79E-04	1.05E-04	1.64E-04	7.49E-05	1.36E-04	4.54E-05
1537	564175.52	4191576.44	0.00173	6.66E-04	2.78E-04	1.04E-04	1.64E-04	7.47E-05	1.36E-04	4.52E-05
1538	564150.34	4191561.02	0.001649	6.35E-04	2.65E-04	9.94E-05	1.56E-04	7.12E-05	1.29E-04	4.31E-05
1539	564141.95	4191555.88	0.001603	6.17E-04	2.57E-04	9.66E-05	1.52E-04	6.92E-05	1.26E-04	4.19E-05
1540	564133.56	4191550.74	0.00155	5.96E-04	2.49E-04	9.34E-05	1.47E-04	6.69E-05	1.22E-04	4.05E-05
1541	564125.16	4191545.6	0.001489	5.73E-04	2.39E-04	8.98E-05	1.41E-04	6.43E-05	1.17E-04	3.89E-05
1542	564080.98	4191510.32	0.001128	4.34E-04	1.81E-04	6.80E-05	1.07E-04	4.87E-05	8.85E-05	2.95E-05
1543	564078.76	4191500.73	0.001104	4.25E-04	1.77E-04	6.65E-05	1.04E-04	4.76E-05	8.66E-05	2.88E-05
1544	564076.54	4191491.14	0.001078	4.15E-04	1.73E-04	6.50E-05	1.02E-04	4.65E-05	8.45E-05	2.82E-05
1545	564074.32	4191481.55	0.001049	4.04E-04	1.68E-04	6.32E-05	9.93E-05	4.53E-05	8.23E-05	2.74E-05
1546	564072.1	4191471.96	0.001017	3.91E-04	1.63E-04	6.13E-05	9.63E-05	4.39E-05	7.98E-05	2.66E-05
1547	564069.88	4191462.38	0.000983	3.78E-04	1.58E-04	5.93E-05	9.31E-05	4.24E-05	7.71E-05	2.57E-05
1548	564067.66	4191452.79	0.000947	3.64E-04	1.52E-04	5.71E-05	8.97E-05	4.09E-05	7.43E-05	2.48E-05
1549	564065.44	4191443.2	0.000909	3.50E-04	1.46E-04	5.48E-05	8.61E-05	3.92E-05	7.13E-05	2.38E-05
1550	564063.22	4191433.61	0.000869	3.34E-04	1.39E-04	5.24E-05	8.22E-05	3.75E-05	6.81E-05	2.27E-05
1551	564061	4191424.02	0.000826	3.18E-04	1.33E-04	4.98E-05	7.82E-05	3.57E-05	6.48E-05	2.16E-05
1552	564058.79	4191414.43	0.000783	3.01E-04	1.26E-04	4.72E-05	7.41E-05	3.38E-05	6.14E-05	2.05E-05
1553	564056.57	4191404.84	0.000739	2.84E-04	1.19E-04	4.45E-05	6.99E-05	3.19E-05	5.80E-05	1.93E-05
1554	564054.35	4191395.26	0.000694	2.67E-04	1.11E-04	4.18E-05	6.57E-05	3.00E-05	5.45E-05	1.81E-05
1555	564052.13	4191385.67	0.00065	2.50E-04	1.04E-04	3.92E-05	6.16E-05	2.81E-05	5.10E-05	1.70E-05
1556	564049.91	4191376.08	0.000608	2.34E-04	9.76E-05	3.67E-05	5.76E-05	2.63E-05	4.77E-05	1.59E-05
1557	564047.69	4191366.49	0.00057	2.19E-04	9.14E-05	3.43E-05	5.39E-05	2.46E-05	4.47E-05	1.49E-05
1558	564045.47	4191356.9	0.000534	2.05E-04	8.56E-05	3.22E-05	5.05E-05	2.30E-05	4.19E-05	1.39E-05
1559	564043.25	4191347.31	0.0005	1.93E-04	8.03E-05	3.02E-05	4.74E-05	2.16E-05	3.93E-05	1.31E-05
1560	564041.03	4191337.73	0.000471	1.81E-04	7.56E-05	2.84E-05	4.46E-05	2.03E-05	3.70E-05	1.23E-05
1561	564038.81	4191328.14	0.000445	1.71E-04	7.14E-05	2.68E-05	4.21E-05	1.92E-05	3.49E-05	1.16E-05
1562	564036.59	4191318.55	0.000423	1.63E-04	6.78E-05	2.55E-05	4.00E-05	1.83E-05	3.32E-05	1.11E-05
1563	564267.85	4191632.96	0.001397	5.37E-04	2.24E-04	8.42E-05	1.32E-04	6.03E-05	1.10E-04	3.65E-05
1564	564277.71	4191634.48	0.001379	5.31E-04	2.21E-04	8.31E-05	1.31E-04	5.95E-05	1.08E-04	3.61E-05
1565	564287.56	4191635.99	0.001361	5.24E-04	2.18E-04	8.20E-05	1.29E-04	5.87E-05	1.07E-04	3.56E-05
1566	564297.41	4191637.5	0.001342	5.16E-04	2.15E-04	8.09E-05	1.27E-04	5.79E-05	1.05E-04	3.51E-05
1567	564258.02	4191637.76	0.001355	5.21E-04	2.17E-04	8.17E-05	1.28E-04	5.85E-05	1.06E-04	3.54E-05
1568	564249.71	4191632.67	0.001399	5.38E-04	2.24E-04	8.43E-05	1.32E-04	6.04E-05	1.10E-04	3.66E-05
1569	564241.39	4191627.58	0.001443	5.55E-04	2.32E-04	8.70E-05	1.37E-04	6.23E-05	1.13E-04	3.77E-05
1570	564233.07	4191622.48	0.001486	5.72E-04	2.38E-04	8.96E-05	1.41E-04	6.42E-05	1.17E-04	3.88E-05
1571	564224.76	4191617.39	0.001525	5.87E-04	2.45E-04	9.19E-05	1.44E-04	6.58E-05	1.20E-04	3.99E-05
1572	564216.44	4191612.3	0.001559	6.00E-04	2.50E-04	9.40E-05	1.48E-04	6.73E-05	1.22E-04	4.08E-05
1573	564208.13	4191607.21	0.001589	6.11E-04	2.55E-04	9.58E-05	1.50E-04	6.86E-05	1.25E-04	4.15E-05
1574	564199.81	4191602.12	0.001612	6.20E-04	2.59E-04	9.72E-05	1.53E-04	6.96E-05	1.26E-04	4.21E-05
1575	564191.5	4191597.03	0.001628	6.27E-04	2.61E-04	9.82E-05	1.54E-04	7.03E-05	1.28E-04	4.26E-05
1576	564183.18	4191591.94	0.001636	6.30E-04	2.62E-04	9.86E-05	1.55E-04	7.06E-05	1.28E-04	4.28E-05
1577	564174.87	4191586.85	0.001635	6.29E-04	2.62E-04	9.86E-05	1.55E-04	7.06E-05	1.28E-04	4.27E-05
1578	564149.92	4191571.57	0.001579	6.07E-04	2.53E-04	9.52E-05	1.49E-04	6.81E-05	1.24E-04	4.13E-05
1579	564141.61	4191566.48	0.001543	5.94E-04	2.47E-04	9.30E-05	1.46E-04	6.66E-05	1.21E-04	4.03E-05
1580	564133.29	4191561.39	0.001499	5.77E-04	2.40E-04	9.04E-05	1.42E-04	6.47E-05	1.18E-04	3.92E-05
1581	564124.97	4191556.3	0.001448	5.57E-04	2.32E-04	8.73E-05	1.37E-04	6.25E-05	1.14E-04	3.79E-05
1582	564116.66	4191551.21	0.001393	5.36E-04	2.23E-04	8.39E-05	1.32E-04	6.01E-05	1.09E-04	3.64E-05
1583	564108.34	4191546.12	0.001334	5.13E-04	2.14E-04	8.04E-05	1.26E-04	5.76E-05	1.05E-04	3.49E-05
1584	564100.03	4191541.03	0.001272	4.90E-04	2.04E-04	7.67E-05	1.20E-04	5.49E-05	9.98E-05	3.33E-05
1585	564091.71	4191535.93	0.00121	4.65E-04	1.94E-04	7.29E-05	1.15E-04	5.22E-05	9.49E-05	3.16E-05
1586	564072.88	4191516.25	0.001065	4.10E-04	1.71E-04	6.42E-05	1.01E-04	4.60E-05	8.35E-05	2.78E-05

1587	564070.69	4191506.75	0.001044	4.02E-04	1.67E-04	6.29E-05	9.88E-05	4.51E-05	8.19E-05	2.73E-05
1588	564068.49	4191497.25	0.00102	3.93E-04	1.64E-04	6.15E-05	9.66E-05	4.40E-05	8.00E-05	2.67E-05
1589	564066.29	4191487.76	0.000994	3.83E-04	1.60E-04	5.99E-05	9.41E-05	4.29E-05	7.80E-05	2.60E-05
1590	564064.09	4191478.26	0.000966	3.72E-04	1.55E-04	5.82E-05	9.14E-05	4.17E-05	7.58E-05	2.52E-05
1591	564061.89	4191468.76	0.000935	3.60E-04	1.50E-04	5.64E-05	8.85E-05	4.04E-05	7.33E-05	2.44E-05
1592	564059.69	4191459.26	0.000903	3.47E-04	1.45E-04	5.44E-05	8.54E-05	3.90E-05	7.08E-05	2.36E-05
1593	564057.5	4191449.76	0.000869	3.34E-04	1.39E-04	5.24E-05	8.22E-05	3.75E-05	6.82E-05	2.27E-05
1594	564055.3	4191440.26	0.000833	3.20E-04	1.34E-04	5.02E-05	7.88E-05	3.60E-05	6.53E-05	2.18E-05
1595	564053.1	4191430.76	0.000795	3.06E-04	1.28E-04	4.80E-05	7.53E-05	3.43E-05	6.24E-05	2.08E-05
1596	564050.9	4191421.26	0.000757	2.91E-04	1.21E-04	4.56E-05	7.16E-05	3.27E-05	5.94E-05	1.98E-05
1597	564048.7	4191411.76	0.000717	2.76E-04	1.15E-04	4.32E-05	6.79E-05	3.10E-05	5.63E-05	1.87E-05
1598	564046.5	4191402.26	0.000677	2.60E-04	1.09E-04	4.08E-05	6.41E-05	2.92E-05	5.31E-05	1.77E-05
1599	564044.3	4191392.77	0.000637	2.45E-04	1.02E-04	3.84E-05	6.03E-05	2.75E-05	4.99E-05	1.66E-05
1600	564042.11	4191383.27	0.000598	2.30E-04	9.59E-05	3.60E-05	5.66E-05	2.58E-05	4.69E-05	1.56E-05
1601	564039.91	4191373.77	0.000561	2.16E-04	9.00E-05	3.38E-05	5.31E-05	2.42E-05	4.40E-05	1.47E-05
1602	564037.71	4191364.27	0.000526	2.02E-04	8.44E-05	3.17E-05	4.98E-05	2.27E-05	4.13E-05	1.37E-05
1603	564035.51	4191354.77	0.000494	1.90E-04	7.92E-05	2.98E-05	4.67E-05	2.13E-05	3.87E-05	1.29E-05
1604	564033.31	4191345.27	0.000464	1.79E-04	7.44E-05	2.80E-05	4.39E-05	2.00E-05	3.64E-05	1.21E-05
1605	564031.11	4191335.77	0.000438	1.68E-04	7.02E-05	2.64E-05	4.15E-05	1.89E-05	3.44E-05	1.14E-05
1606	564028.92	4191326.27	0.000415	1.60E-04	6.66E-05	2.50E-05	3.93E-05	1.79E-05	3.26E-05	1.08E-05
1607	564026.72	4191316.77	0.000395	1.52E-04	6.34E-05	2.38E-05	3.74E-05	1.71E-05	3.10E-05	1.03E-05
1608	564266.34	4191642.85	0.001311	5.04E-04	2.10E-04	7.90E-05	1.24E-04	5.66E-05	1.03E-04	3.43E-05
1609	564276.19	4191644.36	0.001295	4.98E-04	2.08E-04	7.81E-05	1.23E-04	5.59E-05	1.02E-04	3.38E-05
1610	564286.04	4191645.88	0.001278	4.92E-04	2.05E-04	7.70E-05	1.21E-04	5.52E-05	1.00E-04	3.34E-05
1611	564295.9	4191647.39	0.00126	4.85E-04	2.02E-04	7.60E-05	1.19E-04	5.44E-05	9.89E-05	3.29E-05
1612	564256.57	4191647.69	0.001273	4.90E-04	2.04E-04	7.67E-05	1.20E-04	5.49E-05	9.98E-05	3.33E-05
1613	564248.33	4191642.64	0.001312	5.05E-04	2.11E-04	7.91E-05	1.24E-04	5.66E-05	1.03E-04	3.43E-05
1614	564240.09	4191637.59	0.001352	5.20E-04	2.17E-04	8.15E-05	1.28E-04	5.84E-05	1.06E-04	3.53E-05
1615	564231.84	4191632.54	0.001392	5.35E-04	2.23E-04	8.39E-05	1.32E-04	6.01E-05	1.09E-04	3.64E-05
1616	564223.6	4191627.5	0.001429	5.50E-04	2.29E-04	8.61E-05	1.35E-04	6.17E-05	1.12E-04	3.73E-05
1617	564215.36	4191622.45	0.001462	5.63E-04	2.35E-04	8.81E-05	1.38E-04	6.31E-05	1.15E-04	3.82E-05
1618	564207.11	4191617.4	0.001491	5.74E-04	2.39E-04	8.99E-05	1.41E-04	6.43E-05	1.17E-04	3.90E-05
1619	564198.87	4191612.35	0.001514	5.83E-04	2.43E-04	9.13E-05	1.43E-04	6.54E-05	1.19E-04	3.96E-05
1620	564190.62	4191607.31	0.001532	5.90E-04	2.46E-04	9.24E-05	1.45E-04	6.61E-05	1.20E-04	4.00E-05
1621	564182.38	4191602.26	0.001543	5.94E-04	2.48E-04	9.30E-05	1.46E-04	6.66E-05	1.21E-04	4.03E-05
1622	564174.14	4191597.21	0.001546	5.95E-04	2.48E-04	9.32E-05	1.46E-04	6.67E-05	1.21E-04	4.04E-05
1623	564149.41	4191582.07	0.001509	5.81E-04	2.42E-04	9.09E-05	1.43E-04	6.51E-05	1.18E-04	3.94E-05
1624	564141.16	4191577.02	0.001481	5.70E-04	2.38E-04	8.93E-05	1.40E-04	6.39E-05	1.16E-04	3.87E-05
1625	564132.92	4191571.98	0.001446	5.56E-04	2.32E-04	8.72E-05	1.37E-04	6.24E-05	1.13E-04	3.78E-05
1626	564124.68	4191566.93	0.001405	5.41E-04	2.25E-04	8.47E-05	1.33E-04	6.06E-05	1.10E-04	3.67E-05
1627	564116.43	4191561.88	0.001358	5.22E-04	2.18E-04	8.18E-05	1.29E-04	5.86E-05	1.07E-04	3.55E-05
1628	564108.19	4191556.83	0.001306	5.03E-04	2.10E-04	7.87E-05	1.24E-04	5.64E-05	1.02E-04	3.41E-05
1629	564099.94	4191551.79	0.001253	4.82E-04	2.01E-04	7.55E-05	1.19E-04	5.41E-05	9.83E-05	3.27E-05
1630	564091.7	4191546.74	0.001197	4.60E-04	1.92E-04	7.21E-05	1.13E-04	5.17E-05	9.39E-05	3.13E-05
1631	564083.46	4191541.69	0.00114	4.38E-04	1.83E-04	6.87E-05	1.08E-04	4.92E-05	8.94E-05	2.98E-05
1632	564075.21	4191536.65	0.001081	4.16E-04	1.73E-04	6.52E-05	1.02E-04	4.67E-05	8.48E-05	2.83E-05
1633	564062.61	4191512.76	0.000989	3.80E-04	1.59E-04	5.96E-05	9.36E-05	4.27E-05	7.76E-05	2.58E-05
1634	564060.43	4191503.35	0.000968	3.72E-04	1.55E-04	5.83E-05	9.16E-05	4.18E-05	7.59E-05	2.53E-05
1635	564058.25	4191493.93	0.000944	3.63E-04	1.52E-04	5.69E-05	8.94E-05	4.08E-05	7.41E-05	2.47E-05
1636	564056.07	4191484.51	0.000919	3.53E-04	1.47E-04	5.54E-05	8.70E-05	3.97E-05	7.21E-05	2.40E-05
1637	564053.89	4191475.1	0.000891	3.43E-04	1.43E-04	5.37E-05	8.43E-05	3.84E-05	6.99E-05	2.33E-05
1638	564051.71	4191465.68	0.000861	3.31E-04	1.38E-04	5.19E-05	8.15E-05	3.72E-05	6.75E-05	2.25E-05
1639	564049.53	4191456.26	0.000831	3.20E-04	1.33E-04	5.01E-05	7.87E-05	3.59E-05	6.52E-05	2.17E-05

1640	564047.35	4191446.84	0.000799	3.08E-04	1.28E-04	4.82E-05	7.57E-05	3.45E-05	6.27E-05	2.09E-05
1641	564045.17	4191437.43	0.000766	2.95E-04	1.23E-04	4.62E-05	7.25E-05	3.31E-05	6.01E-05	2.00E-05
1642	564043	4191428.01	0.000731	2.81E-04	1.17E-04	4.41E-05	6.92E-05	3.16E-05	5.74E-05	1.91E-05
1643	564040.82	4191418.59	0.000695	2.68E-04	1.12E-04	4.19E-05	6.58E-05	3.00E-05	5.45E-05	1.82E-05
1644	564038.64	4191409.17	0.000659	2.53E-04	1.06E-04	3.97E-05	6.23E-05	2.84E-05	5.17E-05	1.72E-05
1645	564036.46	4191399.76	0.000622	2.39E-04	9.98E-05	3.75E-05	5.89E-05	2.68E-05	4.88E-05	1.63E-05
1646	564034.28	4191390.34	0.000586	2.26E-04	9.40E-05	3.53E-05	5.55E-05	2.53E-05	4.60E-05	1.53E-05
1647	564032.1	4191380.92	0.000552	2.12E-04	8.85E-05	3.32E-05	5.22E-05	2.38E-05	4.33E-05	1.44E-05
1648	564029.92	4191371.51	0.000518	2.00E-04	8.32E-05	3.13E-05	4.91E-05	2.24E-05	4.07E-05	1.36E-05
1649	564027.74	4191362.09	0.000487	1.87E-04	7.81E-05	2.94E-05	4.61E-05	2.10E-05	3.82E-05	1.27E-05
1650	564025.56	4191352.67	0.000458	1.76E-04	7.35E-05	2.76E-05	4.33E-05	1.98E-05	3.59E-05	1.20E-05
1651	564023.38	4191343.25	0.000431	1.66E-04	6.92E-05	2.60E-05	4.08E-05	1.86E-05	3.38E-05	1.13E-05
1652	564021.2	4191333.84	0.000408	1.57E-04	6.55E-05	2.46E-05	3.87E-05	1.76E-05	3.20E-05	1.07E-05
1653	564019.02	4191324.42	0.000388	1.49E-04	6.23E-05	2.34E-05	3.67E-05	1.68E-05	3.05E-05	1.01E-05
1654	564016.84	4191315	0.000371	1.43E-04	5.95E-05	2.23E-05	3.51E-05	1.60E-05	2.91E-05	9.69E-06
1655	564264.82	4191652.73	0.001233	4.75E-04	1.98E-04	7.43E-05	1.17E-04	5.32E-05	9.67E-05	3.22E-05
1656	564274.67	4191654.25	0.001218	4.69E-04	1.95E-04	7.34E-05	1.15E-04	5.26E-05	9.56E-05	3.18E-05
1657	564284.52	4191655.76	0.001202	4.63E-04	1.93E-04	7.25E-05	1.14E-04	5.19E-05	9.43E-05	3.14E-05
1658	564294.38	4191657.27	0.001186	4.56E-04	1.90E-04	7.15E-05	1.12E-04	5.12E-05	9.30E-05	3.10E-05
1659	564238.77	4191647.6	0.00127	4.89E-04	2.04E-04	7.65E-05	1.20E-04	5.48E-05	9.96E-05	3.32E-05
1660	564230.59	4191642.59	0.001306	5.02E-04	2.09E-04	7.87E-05	1.24E-04	5.64E-05	1.02E-04	3.41E-05
1661	564222.41	4191637.58	0.001341	5.16E-04	2.15E-04	8.08E-05	1.27E-04	5.79E-05	1.05E-04	3.50E-05
1662	564214.23	4191632.58	0.001373	5.28E-04	2.20E-04	8.28E-05	1.30E-04	5.93E-05	1.08E-04	3.59E-05
1663	564206.06	4191627.57	0.001401	5.39E-04	2.25E-04	8.45E-05	1.33E-04	6.05E-05	1.10E-04	3.66E-05
1664	564197.88	4191622.56	0.001425	5.48E-04	2.29E-04	8.59E-05	1.35E-04	6.15E-05	1.12E-04	3.72E-05
1665	564189.7	4191617.56	0.001443	5.55E-04	2.32E-04	8.70E-05	1.37E-04	6.23E-05	1.13E-04	3.77E-05
1666	564181.52	4191612.55	0.001456	5.60E-04	2.34E-04	8.78E-05	1.38E-04	6.28E-05	1.14E-04	3.81E-05
1667	564173.34	4191607.54	0.001462	5.63E-04	2.35E-04	8.81E-05	1.38E-04	6.31E-05	1.15E-04	3.82E-05
1668	564148.81	4191592.52	0.001441	5.54E-04	2.31E-04	8.68E-05	1.36E-04	6.22E-05	1.13E-04	3.77E-05
1669	564140.63	4191587.51	0.001419	5.46E-04	2.28E-04	8.56E-05	1.34E-04	6.13E-05	1.11E-04	3.71E-05
1670	564132.46	4191582.51	0.001392	5.36E-04	2.23E-04	8.39E-05	1.32E-04	6.01E-05	1.09E-04	3.64E-05
1671	564124.28	4191577.5	0.001359	5.23E-04	2.18E-04	8.19E-05	1.29E-04	5.87E-05	1.07E-04	3.55E-05
1672	564116.1	4191572.49	0.00132	5.08E-04	2.12E-04	7.96E-05	1.25E-04	5.70E-05	1.04E-04	3.45E-05
1673	564107.92	4191567.49	0.001276	4.91E-04	2.05E-04	7.69E-05	1.21E-04	5.51E-05	1.00E-04	3.34E-05
1674	564099.75	4191562.48	0.001229	4.73E-04	1.97E-04	7.41E-05	1.16E-04	5.30E-05	9.64E-05	3.21E-05
1675	564091.57	4191557.47	0.001179	4.54E-04	1.89E-04	7.11E-05	1.12E-04	5.09E-05	9.25E-05	3.08E-05
1676	564083.39	4191552.47	0.001128	4.34E-04	1.81E-04	6.80E-05	1.07E-04	4.87E-05	8.85E-05	2.95E-05
1677	564075.21	4191547.46	0.001075	4.13E-04	1.72E-04	6.48E-05	1.02E-04	4.64E-05	8.43E-05	2.81E-05
1678	564067.03	4191542.45	0.001021	3.93E-04	1.64E-04	6.16E-05	9.67E-05	4.41E-05	8.01E-05	2.67E-05
1679	564052.37	4191509.42	0.000918	3.53E-04	1.47E-04	5.54E-05	8.69E-05	3.96E-05	7.21E-05	2.40E-05
1680	564050.21	4191500.08	0.000898	3.45E-04	1.44E-04	5.41E-05	8.50E-05	3.88E-05	7.04E-05	2.35E-05
1681	564048.05	4191490.74	0.000875	3.37E-04	1.40E-04	5.27E-05	8.28E-05	3.78E-05	6.86E-05	2.29E-05
1682	564045.88	4191481.39	0.00085	3.27E-04	1.36E-04	5.12E-05	8.04E-05	3.67E-05	6.67E-05	2.22E-05
1683	564043.72	4191472.05	0.000823	3.17E-04	1.32E-04	4.96E-05	7.80E-05	3.55E-05	6.46E-05	2.15E-05
1684	564041.56	4191462.71	0.000796	3.06E-04	1.28E-04	4.80E-05	7.54E-05	3.44E-05	6.25E-05	2.08E-05
1685	564039.4	4191453.37	0.000768	2.95E-04	1.23E-04	4.63E-05	7.27E-05	3.31E-05	6.02E-05	2.01E-05
1686	564037.24	4191444.03	0.000738	2.84E-04	1.18E-04	4.45E-05	6.99E-05	3.19E-05	5.79E-05	1.93E-05
1687	564035.07	4191434.68	0.000707	2.72E-04	1.13E-04	4.26E-05	6.69E-05	3.05E-05	5.55E-05	1.85E-05
1688	564032.91	4191425.34	0.000674	2.59E-04	1.08E-04	4.06E-05	6.38E-05	2.91E-05	5.29E-05	1.76E-05
1689	564030.75	4191416	0.00064	2.46E-04	1.03E-04	3.86E-05	6.06E-05	2.76E-05	5.02E-05	1.67E-05
1690	564028.59	4191406.66	0.000606	2.33E-04	9.73E-05	3.66E-05	5.74E-05	2.62E-05	4.76E-05	1.58E-05
1691	564026.43	4191397.32	0.000573	2.21E-04	9.20E-05	3.46E-05	5.43E-05	2.48E-05	4.50E-05	1.50E-05
1692	564024.26	4191387.98	0.000541	2.08E-04	8.69E-05	3.26E-05	5.13E-05	2.34E-05	4.25E-05	1.42E-05

1693	564022.1	4191378.63	0.000511	1.97E-04	8.19E-05	3.08E-05	4.83E-05	2.20E-05	4.01E-05	1.33E-05
1694	564019.94	4191369.29	0.000481	1.85E-04	7.71E-05	2.90E-05	4.55E-05	2.07E-05	3.77E-05	1.26E-05
1695	564017.78	4191359.95	0.000452	1.74E-04	7.26E-05	2.73E-05	4.28E-05	1.95E-05	3.55E-05	1.18E-05
1696	564015.62	4191350.61	0.000426	1.64E-04	6.84E-05	2.57E-05	4.04E-05	1.84E-05	3.35E-05	1.11E-05
1697	564013.45	4191341.27	0.000403	1.55E-04	6.47E-05	2.43E-05	3.82E-05	1.74E-05	3.16E-05	1.05E-05
1698	564011.29	4191331.92	0.000383	1.47E-04	6.14E-05	2.31E-05	3.62E-05	1.65E-05	3.00E-05	1.00E-05
1699	564009.13	4191322.58	0.000365	1.40E-04	5.85E-05	2.20E-05	3.45E-05	1.57E-05	2.86E-05	9.53E-06
1700	564006.97	4191313.24	0.000349	1.34E-04	5.60E-05	2.10E-05	3.30E-05	1.51E-05	2.74E-05	9.12E-06
1701	564349.78	4191362.44	0.12571	4.84E-02	2.02E-02	7.58E-03	1.19E-02	5.43E-03	9.86E-03	3.29E-03
1702	564352.52	4191346.45	0.19652	7.56E-02	3.15E-02	1.18E-02	1.86E-02	8.48E-03	1.54E-02	5.14E-03
1703	564355.26	4191330.45	0.23024	8.86E-02	3.69E-02	1.39E-02	2.18E-02	9.94E-03	1.81E-02	6.02E-03
1704	564361	4191356.13	0.1009	3.88E-02	1.62E-02	6.08E-03	9.55E-03	4.36E-03	7.92E-03	2.64E-03
1705	564363.74	4191340.14	0.16394	6.31E-02	2.63E-02	9.88E-03	1.55E-02	7.08E-03	1.29E-02	4.28E-03
1706	564350.09	4191386.86	0.043034	1.66E-02	6.90E-03	2.59E-03	4.07E-03	1.86E-03	3.38E-03	1.12E-03
1707	564370.86	4191357.82	0.065887	2.54E-02	1.06E-02	3.97E-03	6.24E-03	2.84E-03	5.17E-03	1.72E-03
1708	564373.6	4191341.83	0.10626	4.09E-02	1.70E-02	6.41E-03	1.01E-02	4.59E-03	8.34E-03	2.78E-03
1709	564376.34	4191325.84	0.13459	5.18E-02	2.16E-02	8.11E-03	1.27E-02	5.81E-03	1.06E-02	3.52E-03
1710	564367.31	4191386.78	0.032159	1.24E-02	5.16E-03	1.94E-03	3.04E-03	1.39E-03	2.52E-03	8.41E-04
1711	564355.94	4191394.97	0.029968	1.15E-02	4.81E-03	1.81E-03	2.84E-03	1.29E-03	2.35E-03	7.83E-04
1712	564380.72	4191359.51	0.045576	1.75E-02	7.31E-03	2.75E-03	4.31E-03	1.97E-03	3.58E-03	1.19E-03
1713	564383.46	4191343.52	0.068219	2.63E-02	1.09E-02	4.11E-03	6.46E-03	2.94E-03	5.35E-03	1.78E-03
1714	564377.17	4191388.47	0.025676	9.88E-03	4.12E-03	1.55E-03	2.43E-03	1.11E-03	2.01E-03	6.71E-04
1715	564361.78	4191403.09	0.022067	8.49E-03	3.54E-03	1.33E-03	2.09E-03	9.53E-04	1.73E-03	5.77E-04
1716	564347.06	4191406.63	0.023141	8.90E-03	3.71E-03	1.39E-03	2.19E-03	9.99E-04	1.82E-03	6.05E-04
1717	564367.63	4191411.2	0.016938	6.52E-03	2.72E-03	1.02E-03	1.60E-03	7.31E-04	1.33E-03	4.43E-04
1718	564352.9	4191414.74	0.017844	6.87E-03	2.86E-03	1.08E-03	1.69E-03	7.70E-04	1.40E-03	4.66E-04
1719	564373.48	4191419.31	0.013389	5.15E-03	2.15E-03	8.07E-04	1.27E-03	5.78E-04	1.05E-03	3.50E-04
1720	564358.75	4191422.86	0.014154	5.45E-03	2.27E-03	8.53E-04	1.34E-03	6.11E-04	1.11E-03	3.70E-04
1721	564344.02	4191426.4	0.014341	5.52E-03	2.30E-03	8.64E-04	1.36E-03	6.19E-04	1.13E-03	3.75E-04
1722	564364.59	4191430.97	0.011474	4.42E-03	1.84E-03	6.92E-04	1.09E-03	4.95E-04	9.00E-04	3.00E-04
1723	564349.87	4191434.51	0.011726	4.51E-03	1.88E-03	7.07E-04	1.11E-03	5.06E-04	9.20E-04	3.06E-04
1724	564370.44	4191439.08	0.00947	3.64E-03	1.52E-03	5.71E-04	8.96E-04	4.09E-04	7.43E-04	2.48E-04
1725	564355.71	4191442.62	0.009745	3.75E-03	1.56E-03	5.87E-04	9.23E-04	4.21E-04	7.65E-04	2.55E-04
1726	564340.99	4191446.17	0.009713	3.74E-03	1.56E-03	5.85E-04	9.19E-04	4.19E-04	7.62E-04	2.54E-04
1727	564430	4191367.95	0.012958	4.99E-03	2.08E-03	7.81E-04	1.23E-03	5.59E-04	1.02E-03	3.39E-04
1728	564432.74	4191351.96	0.014563	5.60E-03	2.34E-03	8.78E-04	1.38E-03	6.29E-04	1.14E-03	3.81E-04
1729	564435.48	4191335.97	0.019219	7.40E-03	3.08E-03	1.16E-03	1.82E-03	8.30E-04	1.51E-03	5.02E-04
1730	564426.45	4191396.91	0.010194	3.92E-03	1.64E-03	6.14E-04	9.65E-04	4.40E-04	8.00E-04	2.66E-04
1731	564361.56	4191450.74	0.008212	3.16E-03	1.32E-03	4.95E-04	7.77E-04	3.54E-04	6.44E-04	2.15E-04
1732	564346.83	4191454.28	0.008257	3.18E-03	1.32E-03	4.98E-04	7.82E-04	3.56E-04	6.48E-04	2.16E-04
1733	564439.85	4191369.64	0.010777	4.15E-03	1.73E-03	6.50E-04	1.02E-03	4.65E-04	8.45E-04	2.82E-04
1734	564442.59	4191353.65	0.011854	4.56E-03	1.90E-03	7.15E-04	1.12E-03	5.12E-04	9.30E-04	3.10E-04
1735	564445.33	4191337.66	0.01503	5.78E-03	2.41E-03	9.06E-04	1.42E-03	6.49E-04	1.18E-03	3.93E-04
1736	564436.31	4191398.6	0.008764	3.37E-03	1.41E-03	5.28E-04	8.30E-04	3.78E-04	6.88E-04	2.29E-04
1737	564428.29	4191411.45	0.008213	3.16E-03	1.32E-03	4.95E-04	7.77E-04	3.55E-04	6.44E-04	2.15E-04
1738	564420.27	4191424.3	0.007535	2.90E-03	1.21E-03	4.54E-04	7.13E-04	3.25E-04	5.91E-04	1.97E-04
1739	564367.4	4191458.85	0.007006	2.70E-03	1.12E-03	4.22E-04	6.63E-04	3.02E-04	5.50E-04	1.83E-04
1740	564449.71	4191371.33	0.009084	3.50E-03	1.46E-03	5.48E-04	8.60E-04	3.92E-04	7.13E-04	2.37E-04
1741	564452.45	4191355.34	0.009798	3.77E-03	1.57E-03	5.91E-04	9.28E-04	4.23E-04	7.69E-04	2.56E-04
1742	564455.19	4191339.35	0.011953	4.60E-03	1.92E-03	7.21E-04	1.13E-03	5.16E-04	9.38E-04	3.12E-04
1743	564446.16	4191400.29	0.00761	2.93E-03	1.22E-03	4.59E-04	7.20E-04	3.28E-04	5.97E-04	1.99E-04
1744	564438.14	4191413.14	0.007207	2.77E-03	1.16E-03	4.34E-04	6.82E-04	3.11E-04	5.65E-04	1.88E-04
1745	564430.12	4191425.99	0.00667	2.57E-03	1.07E-03	4.02E-04	6.31E-04	2.88E-04	5.23E-04	1.74E-04

1746	564422.1	4191438.84	0.006128	2.36E-03	9.83E-04	3.69E-04	5.80E-04	2.65E-04	4.81E-04	1.60E-04
1747	564459.57	4191373.02	0.007751	2.98E-03	1.24E-03	4.67E-04	7.34E-04	3.35E-04	6.08E-04	2.03E-04
1748	564462.31	4191357.03	0.008231	3.17E-03	1.32E-03	4.96E-04	7.79E-04	3.55E-04	6.46E-04	2.15E-04
1749	564465.05	4191341.03	0.009722	3.74E-03	1.56E-03	5.86E-04	9.20E-04	4.20E-04	7.63E-04	2.54E-04
1750	564456.02	4191401.98	0.006673	2.57E-03	1.07E-03	4.02E-04	6.32E-04	2.88E-04	5.24E-04	1.74E-04
1751	564448	4191414.83	0.006373	2.45E-03	1.02E-03	3.84E-04	6.03E-04	2.75E-04	5.00E-04	1.67E-04
1752	564439.98	4191427.68	0.005938	2.28E-03	9.53E-04	3.58E-04	5.62E-04	2.56E-04	4.66E-04	1.55E-04
1753	564431.96	4191440.53	0.005493	2.11E-03	8.81E-04	3.31E-04	5.20E-04	2.37E-04	4.31E-04	1.44E-04
1754	564423.94	4191453.37	0.005064	1.95E-03	8.12E-04	3.05E-04	4.79E-04	2.19E-04	3.97E-04	1.32E-04
1755	564349.64	4191482.16	0.005373	2.07E-03	8.62E-04	3.24E-04	5.09E-04	2.32E-04	4.22E-04	1.40E-04
1756	564334.91	4191485.7	0.005285	2.03E-03	8.48E-04	3.19E-04	5.00E-04	2.28E-04	4.15E-04	1.38E-04
1757	564469.42	4191374.71	0.006685	2.57E-03	1.07E-03	4.03E-04	6.33E-04	2.89E-04	5.24E-04	1.75E-04
1758	564472.16	4191358.72	0.007012	2.70E-03	1.12E-03	4.23E-04	6.64E-04	3.03E-04	5.50E-04	1.83E-04
1759	564474.9	4191342.72	0.008061	3.10E-03	1.29E-03	4.86E-04	7.63E-04	3.48E-04	6.32E-04	2.11E-04
1760	564465.88	4191403.67	0.005892	2.27E-03	9.45E-04	3.55E-04	5.58E-04	2.54E-04	4.62E-04	1.54E-04
1761	564457.86	4191416.52	0.005675	2.18E-03	9.10E-04	3.42E-04	5.37E-04	2.45E-04	4.45E-04	1.48E-04
1762	564449.83	4191429.36	0.005319	2.05E-03	8.53E-04	3.21E-04	5.04E-04	2.30E-04	4.17E-04	1.39E-04
1763	564441.81	4191442.21	0.004946	1.90E-03	7.93E-04	2.98E-04	4.68E-04	2.14E-04	3.88E-04	1.29E-04
1764	564433.79	4191455.06	0.004595	1.77E-03	7.37E-04	2.77E-04	4.35E-04	1.98E-04	3.60E-04	1.20E-04
1765	564425.77	4191467.91	0.004256	1.64E-03	6.83E-04	2.57E-04	4.03E-04	1.84E-04	3.34E-04	1.11E-04
1766	564355.49	4191490.27	0.004752	1.83E-03	7.62E-04	2.86E-04	4.50E-04	2.05E-04	3.73E-04	1.24E-04
1767	564340.76	4191493.82	0.004701	1.81E-03	7.54E-04	2.83E-04	4.45E-04	2.03E-04	3.69E-04	1.23E-04
1768	564479.28	4191376.4	0.005818	2.24E-03	9.33E-04	3.51E-04	5.51E-04	2.51E-04	4.56E-04	1.52E-04
1769	564482.02	4191360.4	0.006044	2.33E-03	9.70E-04	3.64E-04	5.72E-04	2.61E-04	4.74E-04	1.58E-04
1770	564484.76	4191344.41	0.006794	2.61E-03	1.09E-03	4.10E-04	6.43E-04	2.93E-04	5.33E-04	1.78E-04
1771	564475.73	4191405.36	0.005231	2.01E-03	8.39E-04	3.15E-04	4.95E-04	2.26E-04	4.10E-04	1.37E-04
1772	564467.71	4191418.2	0.005078	1.95E-03	8.15E-04	3.06E-04	4.81E-04	2.19E-04	3.98E-04	1.33E-04
1773	564459.69	4191431.05	0.004785	1.84E-03	7.68E-04	2.88E-04	4.53E-04	2.07E-04	3.75E-04	1.25E-04
1774	564451.67	4191443.9	0.004471	1.72E-03	7.17E-04	2.69E-04	4.23E-04	1.93E-04	3.51E-04	1.17E-04
1775	564443.65	4191456.75	0.004181	1.61E-03	6.71E-04	2.52E-04	3.96E-04	1.80E-04	3.28E-04	1.09E-04
1776	564435.63	4191469.6	0.0039	1.50E-03	6.26E-04	2.35E-04	3.69E-04	1.68E-04	3.06E-04	1.02E-04
1777	564361.33	4191498.39	0.004222	1.62E-03	6.77E-04	2.54E-04	4.00E-04	1.82E-04	3.31E-04	1.10E-04
1778	564346.6	4191501.93	0.004201	1.62E-03	6.74E-04	2.53E-04	3.98E-04	1.81E-04	3.30E-04	1.10E-04
1779	564331.88	4191505.47	0.004125	1.59E-03	6.62E-04	2.49E-04	3.91E-04	1.78E-04	3.24E-04	1.08E-04
1780	564489.14	4191378.09	0.005107	1.97E-03	8.19E-04	3.08E-04	4.83E-04	2.20E-04	4.01E-04	1.33E-04
1781	564491.88	4191362.09	0.005261	2.02E-03	8.44E-04	3.17E-04	4.98E-04	2.27E-04	4.13E-04	1.38E-04
1782	564494.62	4191346.1	0.005806	2.23E-03	9.32E-04	3.50E-04	5.50E-04	2.51E-04	4.56E-04	1.52E-04
1783	564484.79	4191408.33	0.004637	1.78E-03	7.44E-04	2.80E-04	4.39E-04	2.00E-04	3.64E-04	1.21E-04
1784	564476.23	4191422.03	0.00451	1.74E-03	7.24E-04	2.72E-04	4.27E-04	1.95E-04	3.54E-04	1.18E-04
1785	564467.68	4191435.74	0.004236	1.63E-03	6.80E-04	2.55E-04	4.01E-04	1.83E-04	3.32E-04	1.11E-04
1786	564459.12	4191449.45	0.003979	1.53E-03	6.38E-04	2.40E-04	3.77E-04	1.72E-04	3.12E-04	1.04E-04
1787	564450.56	4191463.15	0.003723	1.43E-03	5.97E-04	2.24E-04	3.52E-04	1.61E-04	2.92E-04	9.73E-05
1788	564442.01	4191476.86	0.003475	1.34E-03	5.57E-04	2.09E-04	3.29E-04	1.50E-04	2.73E-04	9.08E-05
1789	564425.6	4191492.45	0.00333	1.28E-03	5.34E-04	2.01E-04	3.15E-04	1.44E-04	2.61E-04	8.70E-05
1790	564362.76	4191507.56	0.003774	1.45E-03	6.05E-04	2.27E-04	3.57E-04	1.63E-04	2.96E-04	9.86E-05
1791	564347.05	4191511.34	0.003755	1.45E-03	6.02E-04	2.26E-04	3.56E-04	1.62E-04	2.95E-04	9.82E-05
1792	564331.34	4191515.12	0.003693	1.42E-03	5.92E-04	2.23E-04	3.50E-04	1.59E-04	2.90E-04	9.65E-05
1793	564498.99	4191379.77	0.004501	1.73E-03	7.22E-04	2.71E-04	4.26E-04	1.94E-04	3.53E-04	1.18E-04
1794	564501.73	4191363.78	0.004621	1.78E-03	7.41E-04	2.79E-04	4.37E-04	1.99E-04	3.63E-04	1.21E-04
1795	564504.47	4191347.79	0.005017	1.93E-03	8.05E-04	3.02E-04	4.75E-04	2.17E-04	3.94E-04	1.31E-04
1796	564494.69	4191409.94	0.004145	1.59E-03	6.65E-04	2.50E-04	3.92E-04	1.79E-04	3.25E-04	1.08E-04
1797	564486.17	4191423.59	0.004063	1.56E-03	6.52E-04	2.45E-04	3.85E-04	1.75E-04	3.19E-04	1.06E-04
1798	564477.65	4191437.24	0.00385	1.48E-03	6.18E-04	2.32E-04	3.64E-04	1.66E-04	3.02E-04	1.01E-04

1799	564469.13	4191450.89	0.00361	1.39E-03	5.79E-04	2.18E-04	3.42E-04	1.56E-04	2.83E-04	9.44E-05
1800	564460.6	4191464.55	0.00341	1.31E-03	5.47E-04	2.06E-04	3.23E-04	1.47E-04	2.68E-04	8.91E-05
1801	564452.08	4191478.2	0.003179	1.22E-03	5.10E-04	1.92E-04	3.01E-04	1.37E-04	2.49E-04	8.31E-05
1802	564431.47	4191500.56	0.002973	1.14E-03	4.77E-04	1.79E-04	2.81E-04	1.28E-04	2.33E-04	7.77E-05
1803	564415.83	4191504.32	0.003141	1.21E-03	5.04E-04	1.89E-04	2.97E-04	1.36E-04	2.46E-04	8.21E-05
1804	564353.23	4191519.37	0.003387	1.30E-03	5.43E-04	2.04E-04	3.21E-04	1.46E-04	2.66E-04	8.85E-05
1805	564337.59	4191523.14	0.003351	1.29E-03	5.38E-04	2.02E-04	3.17E-04	1.45E-04	2.63E-04	8.76E-05
1806	564508.85	4191381.46	0.004003	1.54E-03	6.42E-04	2.41E-04	3.79E-04	1.73E-04	3.14E-04	1.05E-04
1807	564511.59	4191365.47	0.004062	1.56E-03	6.52E-04	2.45E-04	3.85E-04	1.75E-04	3.19E-04	1.06E-04
1808	564514.33	4191349.48	0.004327	1.67E-03	6.94E-04	2.61E-04	4.10E-04	1.87E-04	3.40E-04	1.13E-04
1809	564504.6	4191411.56	0.003724	1.43E-03	5.97E-04	2.24E-04	3.53E-04	1.61E-04	2.92E-04	9.73E-05
1810	564496.1	4191425.16	0.003677	1.41E-03	5.90E-04	2.22E-04	3.48E-04	1.59E-04	2.88E-04	9.61E-05
1811	564487.61	4191438.77	0.003511	1.35E-03	5.63E-04	2.12E-04	3.32E-04	1.52E-04	2.75E-04	9.18E-05
1812	564479.12	4191452.37	0.003306	1.27E-03	5.30E-04	1.99E-04	3.13E-04	1.43E-04	2.59E-04	8.64E-05
1813	564470.62	4191465.98	0.003111	1.20E-03	4.99E-04	1.88E-04	2.95E-04	1.34E-04	2.44E-04	8.13E-05
1814	564462.13	4191479.58	0.002926	1.13E-03	4.69E-04	1.76E-04	2.77E-04	1.26E-04	2.30E-04	7.65E-05
1815	564437.35	4191508.67	0.002679	1.03E-03	4.30E-04	1.61E-04	2.54E-04	1.16E-04	2.10E-04	7.00E-05
1816	564421.75	4191512.42	0.002828	1.09E-03	4.54E-04	1.70E-04	2.68E-04	1.22E-04	2.22E-04	7.39E-05
1817	564359.38	4191527.41	0.003068	1.18E-03	4.92E-04	1.85E-04	2.90E-04	1.32E-04	2.41E-04	8.02E-05
1818	564343.78	4191531.16	0.003049	1.17E-03	4.89E-04	1.84E-04	2.89E-04	1.32E-04	2.39E-04	7.97E-05
1819	564328.19	4191534.91	0.003006	1.16E-03	4.82E-04	1.81E-04	2.85E-04	1.30E-04	2.36E-04	7.86E-05
1820	564518.7	4191383.15	0.003582	1.38E-03	5.75E-04	2.16E-04	3.39E-04	1.55E-04	2.81E-04	9.36E-05
1821	564521.44	4191367.16	0.003614	1.39E-03	5.80E-04	2.18E-04	3.42E-04	1.56E-04	2.84E-04	9.45E-05
1822	564524.18	4191351.17	0.003796	1.46E-03	6.09E-04	2.29E-04	3.59E-04	1.64E-04	2.98E-04	9.92E-05
1823	564514.49	4191413.18	0.00337	1.30E-03	5.41E-04	2.03E-04	3.19E-04	1.45E-04	2.64E-04	8.81E-05
1824	564506.02	4191426.74	0.003342	1.29E-03	5.36E-04	2.01E-04	3.16E-04	1.44E-04	2.62E-04	8.73E-05
1825	564497.56	4191440.31	0.003213	1.24E-03	5.16E-04	1.94E-04	3.04E-04	1.39E-04	2.52E-04	8.40E-05
1826	564489.09	4191453.87	0.003038	1.17E-03	4.87E-04	1.83E-04	2.88E-04	1.31E-04	2.38E-04	7.94E-05
1827	564480.62	4191467.43	0.002865	1.10E-03	4.60E-04	1.73E-04	2.71E-04	1.24E-04	2.25E-04	7.49E-05
1828	564472.16	4191481	0.002699	1.04E-03	4.33E-04	1.63E-04	2.55E-04	1.16E-04	2.12E-04	7.05E-05
1829	564455.22	4191508.12	0.002423	9.32E-04	3.89E-04	1.46E-04	2.29E-04	1.05E-04	1.90E-04	6.33E-05
1830	564443.22	4191516.77	0.002426	9.34E-04	3.89E-04	1.46E-04	2.30E-04	1.05E-04	1.90E-04	6.34E-05
1831	564427.67	4191520.51	0.002559	9.85E-04	4.10E-04	1.54E-04	2.42E-04	1.10E-04	2.01E-04	6.69E-05
1832	564412.12	4191524.25	0.002659	1.02E-03	4.27E-04	1.60E-04	2.52E-04	1.15E-04	2.09E-04	6.95E-05
1833	564349.94	4191539.2	0.002784	1.07E-03	4.47E-04	1.68E-04	2.64E-04	1.20E-04	2.18E-04	7.28E-05
1834	564334.4	4191542.94	0.002756	1.06E-03	4.42E-04	1.66E-04	2.61E-04	1.19E-04	2.16E-04	7.20E-05
1835	564528.56	4191384.84	0.003222	1.24E-03	5.17E-04	1.94E-04	3.05E-04	1.39E-04	2.53E-04	8.42E-05
1836	564531.3	4191368.85	0.003237	1.25E-03	5.19E-04	1.95E-04	3.06E-04	1.40E-04	2.54E-04	8.46E-05
1837	564534.04	4191352.86	0.00336	1.29E-03	5.39E-04	2.03E-04	3.18E-04	1.45E-04	2.64E-04	8.78E-05
1838	564524.38	4191414.81	0.003061	1.18E-03	4.91E-04	1.85E-04	2.90E-04	1.32E-04	2.40E-04	8.00E-05
1839	564515.94	4191428.34	0.00305	1.17E-03	4.89E-04	1.84E-04	2.89E-04	1.32E-04	2.39E-04	7.97E-05
1840	564507.5	4191441.86	0.002949	1.13E-03	4.73E-04	1.78E-04	2.79E-04	1.27E-04	2.31E-04	7.71E-05
1841	564499.05	4191455.39	0.002801	1.08E-03	4.49E-04	1.69E-04	2.65E-04	1.21E-04	2.20E-04	7.32E-05
1842	564490.61	4191468.92	0.002644	1.02E-03	4.24E-04	1.59E-04	2.50E-04	1.14E-04	2.07E-04	6.91E-05
1843	564482.17	4191482.44	0.002495	9.60E-04	4.00E-04	1.50E-04	2.36E-04	1.08E-04	1.96E-04	6.52E-05
1844	564465.28	4191509.49	0.002258	8.69E-04	3.62E-04	1.36E-04	2.14E-04	9.75E-05	1.77E-04	5.90E-05
1845	564449.08	4191524.88	0.002207	8.49E-04	3.54E-04	1.33E-04	2.09E-04	9.53E-05	1.73E-04	5.77E-05
1846	564433.58	4191528.61	0.002319	8.92E-04	3.72E-04	1.40E-04	2.20E-04	1.00E-04	1.82E-04	6.06E-05
1847	564418.08	4191532.34	0.002416	9.30E-04	3.88E-04	1.46E-04	2.29E-04	1.04E-04	1.90E-04	6.31E-05
1848	564356.07	4191547.25	0.00255	9.81E-04	4.09E-04	1.54E-04	2.41E-04	1.10E-04	2.00E-04	6.66E-05
1849	564340.56	4191550.98	0.002533	9.75E-04	4.06E-04	1.53E-04	2.40E-04	1.09E-04	1.99E-04	6.62E-05
1850	564325.06	4191554.7	0.002497	9.61E-04	4.01E-04	1.51E-04	2.36E-04	1.08E-04	1.96E-04	6.53E-05
1851	564538.42	4191386.53	0.002912	1.12E-03	4.67E-04	1.76E-04	2.76E-04	1.26E-04	2.28E-04	7.61E-05

1852	564541.16	4191370.54	0.002917	1.12E-03	4.68E-04	1.76E-04	2.76E-04	1.26E-04	2.29E-04	7.62E-05
1853	564543.9	4191354.54	0.003006	1.16E-03	4.82E-04	1.81E-04	2.85E-04	1.30E-04	2.36E-04	7.86E-05
1854	564534.27	4191416.45	0.00279	1.07E-03	4.48E-04	1.68E-04	2.64E-04	1.20E-04	2.19E-04	7.29E-05
1855	564525.85	4191429.94	0.002793	1.07E-03	4.48E-04	1.68E-04	2.64E-04	1.21E-04	2.19E-04	7.30E-05
1856	564517.43	4191443.43	0.002714	1.04E-03	4.35E-04	1.64E-04	2.57E-04	1.17E-04	2.13E-04	7.09E-05
1857	564509	4191456.93	0.002588	9.96E-04	4.15E-04	1.56E-04	2.45E-04	1.12E-04	2.03E-04	6.76E-05
1858	564500.58	4191470.42	0.002448	9.42E-04	3.93E-04	1.48E-04	2.32E-04	1.06E-04	1.92E-04	6.40E-05
1859	564492.16	4191483.91	0.002313	8.90E-04	3.71E-04	1.39E-04	2.19E-04	9.98E-05	1.81E-04	6.05E-05
1860	564475.31	4191510.89	0.002106	8.10E-04	3.38E-04	1.27E-04	1.99E-04	9.09E-05	1.65E-04	5.50E-05
1861	564466.89	4191524.39	0.002012	7.74E-04	3.23E-04	1.21E-04	1.90E-04	8.68E-05	1.58E-04	5.26E-05
1862	564454.95	4191532.99	0.002017	7.76E-04	3.24E-04	1.22E-04	1.91E-04	8.70E-05	1.58E-04	5.27E-05
1863	564439.48	4191536.71	0.002116	8.14E-04	3.39E-04	1.28E-04	2.00E-04	9.13E-05	1.66E-04	5.53E-05
1864	564424.02	4191540.43	0.002204	8.48E-04	3.54E-04	1.33E-04	2.09E-04	9.51E-05	1.73E-04	5.76E-05
1865	564408.56	4191544.15	0.002267	8.73E-04	3.64E-04	1.37E-04	2.15E-04	9.79E-05	1.78E-04	5.93E-05
1866	564346.7	4191559.02	0.002333	8.98E-04	3.74E-04	1.41E-04	2.21E-04	1.01E-04	1.83E-04	6.10E-05
1867	564548.27	4191388.22	0.002644	1.02E-03	4.24E-04	1.59E-04	2.50E-04	1.14E-04	2.07E-04	6.91E-05
1868	564551.01	4191372.23	0.002642	1.02E-03	4.24E-04	1.59E-04	2.50E-04	1.14E-04	2.07E-04	6.91E-05
1869	564553.75	4191356.23	0.002706	1.04E-03	4.34E-04	1.63E-04	2.56E-04	1.17E-04	2.12E-04	7.07E-05
1870	564544.16	4191418.09	0.002552	9.82E-04	4.09E-04	1.54E-04	2.42E-04	1.10E-04	2.00E-04	6.67E-05
1871	564535.75	4191431.56	0.002564	9.87E-04	4.11E-04	1.55E-04	2.43E-04	1.11E-04	2.01E-04	6.70E-05
1872	564527.35	4191445.02	0.002505	9.64E-04	4.02E-04	1.51E-04	2.37E-04	1.08E-04	1.96E-04	6.55E-05
1873	564518.95	4191458.48	0.002398	9.23E-04	3.85E-04	1.45E-04	2.27E-04	1.04E-04	1.88E-04	6.27E-05
1874	564510.54	4191471.94	0.002273	8.75E-04	3.65E-04	1.37E-04	2.15E-04	9.81E-05	1.78E-04	5.94E-05
1875	564502.14	4191485.4	0.00215	8.27E-04	3.45E-04	1.30E-04	2.04E-04	9.28E-05	1.69E-04	5.62E-05
1876	564485.33	4191512.32	0.001965	7.56E-04	3.15E-04	1.18E-04	1.86E-04	8.48E-05	1.54E-04	5.14E-05
1877	564476.93	4191525.78	0.001885	7.25E-04	3.02E-04	1.14E-04	1.78E-04	8.14E-05	1.48E-04	4.93E-05
1878	564460.81	4191541.1	0.001849	7.12E-04	2.97E-04	1.11E-04	1.75E-04	7.98E-05	1.45E-04	4.83E-05
1879	564445.38	4191544.81	0.001938	7.46E-04	3.11E-04	1.17E-04	1.83E-04	8.37E-05	1.52E-04	5.07E-05
1880	564429.95	4191548.52	0.002019	7.77E-04	3.24E-04	1.22E-04	1.91E-04	8.71E-05	1.58E-04	5.28E-05
1881	564414.53	4191552.23	0.002079	8.00E-04	3.33E-04	1.25E-04	1.97E-04	8.97E-05	1.63E-04	5.43E-05
1882	564321.95	4191574.49	0.002108	8.11E-04	3.38E-04	1.27E-04	2.00E-04	9.10E-05	1.65E-04	5.51E-05
1883	564545.65	4191433.17	0.002361	9.09E-04	3.79E-04	1.42E-04	2.24E-04	1.02E-04	1.85E-04	6.17E-05
1884	564537.27	4191446.61	0.002316	8.91E-04	3.72E-04	1.40E-04	2.19E-04	1.00E-04	1.82E-04	6.05E-05
1885	564528.88	4191460.04	0.002227	8.57E-04	3.57E-04	1.34E-04	2.11E-04	9.61E-05	1.75E-04	5.82E-05
1886	564520.49	4191473.47	0.002118	8.15E-04	3.40E-04	1.28E-04	2.00E-04	9.14E-05	1.66E-04	5.53E-05
1887	564512.11	4191486.91	0.002007	7.72E-04	3.22E-04	1.21E-04	1.90E-04	8.66E-05	1.57E-04	5.25E-05
1888	564495.34	4191513.77	0.001837	7.07E-04	2.95E-04	1.11E-04	1.74E-04	7.93E-05	1.44E-04	4.80E-05
1889	564486.95	4191527.21	0.001767	6.80E-04	2.83E-04	1.07E-04	1.67E-04	7.63E-05	1.39E-04	4.62E-05
1890	564478.57	4191540.64	0.001696	6.53E-04	2.72E-04	1.02E-04	1.61E-04	7.32E-05	1.33E-04	4.43E-05
1891	564466.67	4191549.21	0.001702	6.55E-04	2.73E-04	1.03E-04	1.61E-04	7.34E-05	1.33E-04	4.45E-05
1892	564451.28	4191552.91	0.001781	6.85E-04	2.86E-04	1.07E-04	1.69E-04	7.69E-05	1.40E-04	4.66E-05
1893	564435.88	4191556.61	0.001851	7.12E-04	2.97E-04	1.12E-04	1.75E-04	7.99E-05	1.45E-04	4.84E-05
1894	564420.48	4191560.32	0.001911	7.35E-04	3.07E-04	1.15E-04	1.81E-04	8.25E-05	1.50E-04	4.99E-05
1895	564343.5	4191578.83	0.001984	7.63E-04	3.18E-04	1.20E-04	1.88E-04	8.56E-05	1.56E-04	5.19E-05
1896	564328.1	4191582.53	0.001962	7.55E-04	3.15E-04	1.18E-04	1.86E-04	8.47E-05	1.54E-04	5.13E-05
1897	564538.81	4191461.62	0.002072	7.97E-04	3.32E-04	1.25E-04	1.96E-04	8.95E-05	1.63E-04	5.42E-05
1898	564530.44	4191475.02	0.001978	7.61E-04	3.17E-04	1.19E-04	1.87E-04	8.54E-05	1.55E-04	5.17E-05
1899	564522.07	4191488.43	0.00188	7.23E-04	3.02E-04	1.13E-04	1.78E-04	8.11E-05	1.47E-04	4.91E-05
1900	564505.33	4191515.25	0.00172	6.62E-04	2.76E-04	1.04E-04	1.63E-04	7.42E-05	1.35E-04	4.50E-05
1901	564496.96	4191528.66	0.001658	6.38E-04	2.66E-04	9.99E-05	1.57E-04	7.16E-05	1.30E-04	4.33E-05
1902	564488.59	4191542.06	0.001597	6.14E-04	2.56E-04	9.62E-05	1.51E-04	6.89E-05	1.25E-04	4.17E-05
1903	564472.53	4191557.32	0.001571	6.04E-04	2.52E-04	9.47E-05	1.49E-04	6.78E-05	1.23E-04	4.11E-05
1904	564457.17	4191561.01	0.001643	6.32E-04	2.64E-04	9.90E-05	1.55E-04	7.09E-05	1.29E-04	4.29E-05

1905	564441.8	4191564.71	0.001707	6.57E-04	2.74E-04	1.03E-04	1.62E-04	7.37E-05	1.34E-04	4.46E-05
1906	564426.43	4191568.41	0.001762	6.78E-04	2.83E-04	1.06E-04	1.67E-04	7.61E-05	1.38E-04	4.61E-05
1907	564411.06	4191572.1	0.001802	6.93E-04	2.89E-04	1.09E-04	1.71E-04	7.78E-05	1.41E-04	4.71E-05
1908	564349.59	4191586.88	0.001845	7.10E-04	2.96E-04	1.11E-04	1.75E-04	7.96E-05	1.45E-04	4.82E-05
1909	564334.22	4191590.58	0.001829	7.04E-04	2.93E-04	1.10E-04	1.73E-04	7.90E-05	1.44E-04	4.78E-05
1910	564318.85	4191594.27	0.001804	6.94E-04	2.89E-04	1.09E-04	1.71E-04	7.78E-05	1.41E-04	4.71E-05
1911	564580.58	4191377.29	0.002013	7.75E-04	3.23E-04	1.21E-04	1.91E-04	8.69E-05	1.58E-04	5.26E-05
1912	564583.32	4191361.3	0.002041	7.85E-04	3.27E-04	1.23E-04	1.93E-04	8.81E-05	1.60E-04	5.34E-05
1913	564515.31	4191516.74	0.001618	6.23E-04	2.60E-04	9.75E-05	1.53E-04	6.98E-05	1.27E-04	4.23E-05
1914	564506.95	4191530.12	0.001559	6.00E-04	2.50E-04	9.40E-05	1.48E-04	6.73E-05	1.22E-04	4.07E-05
1915	564498.6	4191543.51	0.001504	5.79E-04	2.41E-04	9.06E-05	1.42E-04	6.49E-05	1.18E-04	3.93E-05
1916	564490.24	4191556.89	0.001449	5.57E-04	2.32E-04	8.73E-05	1.37E-04	6.25E-05	1.14E-04	3.79E-05
1917	564478.39	4191565.43	0.001454	5.60E-04	2.33E-04	8.77E-05	1.38E-04	6.28E-05	1.14E-04	3.80E-05
1918	564463.05	4191569.12	0.001519	5.85E-04	2.44E-04	9.16E-05	1.44E-04	6.56E-05	1.19E-04	3.97E-05
1919	564447.71	4191572.81	0.001578	6.07E-04	2.53E-04	9.51E-05	1.49E-04	6.81E-05	1.24E-04	4.12E-05
1920	564432.37	4191576.5	0.001627	6.26E-04	2.61E-04	9.81E-05	1.54E-04	7.02E-05	1.28E-04	4.25E-05
1921	564417.03	4191580.19	0.001668	6.42E-04	2.68E-04	1.01E-04	1.58E-04	7.20E-05	1.31E-04	4.36E-05
1922	564355.66	4191594.94	0.001718	6.61E-04	2.76E-04	1.04E-04	1.63E-04	7.42E-05	1.35E-04	4.49E-05
1923	564340.32	4191598.63	0.001708	6.57E-04	2.74E-04	1.03E-04	1.62E-04	7.37E-05	1.34E-04	4.46E-05
1924	564324.98	4191602.32	0.00169	6.50E-04	2.71E-04	1.02E-04	1.60E-04	7.29E-05	1.33E-04	4.42E-05
1925	564590.44	4191378.98	0.001851	7.12E-04	2.97E-04	1.12E-04	1.75E-04	7.99E-05	1.45E-04	4.84E-05
1926	564593.18	4191362.99	0.001873	7.21E-04	3.01E-04	1.13E-04	1.77E-04	8.09E-05	1.47E-04	4.90E-05
1927	564516.94	4191531.61	0.001469	5.65E-04	2.36E-04	8.86E-05	1.39E-04	6.34E-05	1.15E-04	3.84E-05
1928	564508.59	4191544.97	0.001418	5.46E-04	2.28E-04	8.55E-05	1.34E-04	6.12E-05	1.11E-04	3.71E-05
1929	564500.25	4191558.33	0.00137	5.27E-04	2.20E-04	8.26E-05	1.30E-04	5.91E-05	1.07E-04	3.58E-05
1930	564484.25	4191573.54	0.00135	5.19E-04	2.17E-04	8.14E-05	1.28E-04	5.83E-05	1.06E-04	3.53E-05
1931	564468.93	4191577.22	0.001409	5.42E-04	2.26E-04	8.49E-05	1.33E-04	6.08E-05	1.11E-04	3.68E-05
1932	564453.62	4191580.91	0.001463	5.63E-04	2.35E-04	8.82E-05	1.38E-04	6.31E-05	1.15E-04	3.82E-05
1933	564407.67	4191591.96	0.001574	6.06E-04	2.53E-04	9.49E-05	1.49E-04	6.80E-05	1.24E-04	4.11E-05
1934	564346.4	4191606.69	0.001597	6.15E-04	2.56E-04	9.63E-05	1.51E-04	6.90E-05	1.25E-04	4.18E-05
1935	564331.08	4191610.37	0.001584	6.09E-04	2.54E-04	9.55E-05	1.50E-04	6.84E-05	1.24E-04	4.14E-05
1936	564315.77	4191614.05	0.001562	6.01E-04	2.51E-04	9.41E-05	1.48E-04	6.74E-05	1.23E-04	4.08E-05
1937	564603.04	4191364.68	0.001722	6.63E-04	2.76E-04	1.04E-04	1.63E-04	7.43E-05	1.35E-04	4.50E-05
1938	564526.91	4191533.11	0.001387	5.34E-04	2.22E-04	8.36E-05	1.31E-04	5.98E-05	1.09E-04	3.62E-05
1939	564518.58	4191546.45	0.001339	5.15E-04	2.15E-04	8.07E-05	1.27E-04	5.78E-05	1.05E-04	3.50E-05
1940	564510.25	4191559.8	0.001295	4.98E-04	2.08E-04	7.81E-05	1.23E-04	5.59E-05	1.02E-04	3.39E-05
1941	564501.92	4191573.14	0.001252	4.82E-04	2.01E-04	7.54E-05	1.18E-04	5.40E-05	9.82E-05	3.27E-05
1942	564490.11	4191581.65	0.001257	4.84E-04	2.02E-04	7.57E-05	1.19E-04	5.42E-05	9.86E-05	3.28E-05
1943	564474.81	4191585.33	0.00131	5.04E-04	2.10E-04	7.90E-05	1.24E-04	5.66E-05	1.03E-04	3.42E-05
1944	564428.93	4191596.36	0.00144	5.54E-04	2.31E-04	8.68E-05	1.36E-04	6.21E-05	1.13E-04	3.76E-05
1945	564413.64	4191600.04	0.001467	5.64E-04	2.35E-04	8.84E-05	1.39E-04	6.33E-05	1.15E-04	3.83E-05
1946	564352.46	4191614.75	0.001496	5.76E-04	2.40E-04	9.02E-05	1.42E-04	6.46E-05	1.17E-04	3.91E-05
1947	564337.17	4191618.43	0.001487	5.72E-04	2.38E-04	8.96E-05	1.41E-04	6.42E-05	1.17E-04	3.89E-05
1948	564321.87	4191622.1	0.001471	5.66E-04	2.36E-04	8.86E-05	1.39E-04	6.35E-05	1.15E-04	3.84E-05
1949	564528.56	4191547.95	0.001265	4.87E-04	2.03E-04	7.63E-05	1.20E-04	5.46E-05	9.93E-05	3.31E-05
1950	564520.24	4191561.27	0.001226	4.72E-04	1.97E-04	7.39E-05	1.16E-04	5.29E-05	9.62E-05	3.20E-05
1951	564511.92	4191574.6	0.001188	4.57E-04	1.91E-04	7.16E-05	1.12E-04	5.13E-05	9.32E-05	3.10E-05
1952	564495.96	4191589.76	0.001173	4.51E-04	1.88E-04	7.07E-05	1.11E-04	5.06E-05	9.20E-05	3.06E-05
1953	564450.15	4191600.78	0.001307	5.03E-04	2.10E-04	7.88E-05	1.24E-04	5.64E-05	1.03E-04	3.42E-05
1954	564434.87	4191604.45	0.001341	5.16E-04	2.15E-04	8.08E-05	1.27E-04	5.79E-05	1.05E-04	3.51E-05
1955	564419.6	4191608.12	0.001368	5.27E-04	2.20E-04	8.25E-05	1.30E-04	5.91E-05	1.07E-04	3.58E-05
1956	564404.33	4191611.8	0.001386	5.33E-04	2.22E-04	8.36E-05	1.31E-04	5.98E-05	1.09E-04	3.62E-05
1957	564343.23	4191626.49	0.001397	5.38E-04	2.24E-04	8.42E-05	1.32E-04	6.03E-05	1.10E-04	3.65E-05

1958	564327.96	4191630.16	0.001385	5.33E-04	2.22E-04	8.35E-05	1.31E-04	5.98E-05	1.09E-04	3.62E-05
1959	564312.69	4191633.83	0.001366	5.26E-04	2.19E-04	8.23E-05	1.29E-04	5.90E-05	1.07E-04	3.57E-05
1960	564617.27	4191400.04	0.001488	5.73E-04	2.39E-04	8.97E-05	1.41E-04	6.42E-05	1.17E-04	3.89E-05
1961	564620.01	4191384.05	0.001468	5.65E-04	2.35E-04	8.85E-05	1.39E-04	6.34E-05	1.15E-04	3.84E-05
1962	564622.75	4191368.05	0.00147	5.65E-04	2.36E-04	8.86E-05	1.39E-04	6.34E-05	1.15E-04	3.84E-05
1963	564604.99	4191442.99	0.001511	5.82E-04	2.42E-04	9.11E-05	1.43E-04	6.52E-05	1.19E-04	3.95E-05
1964	564530.22	4191562.77	0.001161	4.47E-04	1.86E-04	7.00E-05	1.10E-04	5.01E-05	9.11E-05	3.03E-05
1965	564521.91	4191576.08	0.001127	4.34E-04	1.81E-04	6.79E-05	1.07E-04	4.87E-05	8.84E-05	2.95E-05
1966	564513.6	4191589.38	0.001092	4.20E-04	1.75E-04	6.58E-05	1.03E-04	4.71E-05	8.57E-05	2.85E-05
1967	564471.31	4191605.21	0.001183	4.55E-04	1.90E-04	7.13E-05	1.12E-04	5.11E-05	9.28E-05	3.09E-05
1968	564456.06	4191608.88	0.001221	4.70E-04	1.96E-04	7.36E-05	1.16E-04	5.27E-05	9.58E-05	3.19E-05
1969	564440.81	4191612.54	0.001253	4.82E-04	2.01E-04	7.55E-05	1.19E-04	5.41E-05	9.83E-05	3.27E-05
1970	564425.55	4191616.21	0.001279	4.92E-04	2.05E-04	7.71E-05	1.21E-04	5.52E-05	1.00E-04	3.34E-05
1971	564410.3	4191619.88	0.001298	4.99E-04	2.08E-04	7.82E-05	1.23E-04	5.60E-05	1.02E-04	3.39E-05
1972	564349.28	4191634.55	0.001315	5.06E-04	2.11E-04	7.93E-05	1.24E-04	5.68E-05	1.03E-04	3.44E-05
1973	564334.03	4191638.22	0.001306	5.03E-04	2.10E-04	7.87E-05	1.24E-04	5.64E-05	1.02E-04	3.41E-05
1974	564318.78	4191641.89	0.001292	4.97E-04	2.07E-04	7.79E-05	1.22E-04	5.58E-05	1.01E-04	3.38E-05
1975	564627.12	4191401.73	0.001388	5.34E-04	2.23E-04	8.36E-05	1.31E-04	5.99E-05	1.09E-04	3.63E-05
1976	564629.86	4191385.74	0.001366	5.26E-04	2.19E-04	8.23E-05	1.29E-04	5.90E-05	1.07E-04	3.57E-05
1977	564632.6	4191369.74	0.001364	5.25E-04	2.19E-04	8.22E-05	1.29E-04	5.89E-05	1.07E-04	3.56E-05
1978	564614.87	4191444.64	0.001413	5.44E-04	2.27E-04	8.52E-05	1.34E-04	6.10E-05	1.11E-04	3.69E-05
1979	564606.57	4191457.94	0.001418	5.46E-04	2.27E-04	8.55E-05	1.34E-04	6.12E-05	1.11E-04	3.71E-05
1980	564598.27	4191471.23	0.001397	5.37E-04	2.24E-04	8.42E-05	1.32E-04	6.03E-05	1.10E-04	3.65E-05
1981	564540.19	4191564.27	0.001102	4.24E-04	1.77E-04	6.64E-05	1.04E-04	4.76E-05	8.65E-05	2.88E-05
1982	564531.89	4191577.57	0.00107	4.12E-04	1.72E-04	6.45E-05	1.01E-04	4.62E-05	8.40E-05	2.80E-05
1983	564523.59	4191590.86	0.00104	4.00E-04	1.67E-04	6.27E-05	9.85E-05	4.49E-05	8.16E-05	2.72E-05
1984	564492.44	4191609.65	0.001068	4.11E-04	1.71E-04	6.44E-05	1.01E-04	4.61E-05	8.38E-05	2.79E-05
1985	564477.2	4191613.31	0.001107	4.26E-04	1.78E-04	6.67E-05	1.05E-04	4.78E-05	8.68E-05	2.89E-05
1986	564461.97	4191616.97	0.001142	4.40E-04	1.83E-04	6.89E-05	1.08E-04	4.93E-05	8.96E-05	2.99E-05
1987	564446.73	4191620.64	0.001173	4.51E-04	1.88E-04	7.07E-05	1.11E-04	5.06E-05	9.20E-05	3.07E-05
1988	564431.5	4191624.3	0.001197	4.61E-04	1.92E-04	7.22E-05	1.13E-04	5.17E-05	9.39E-05	3.13E-05
1989	564416.26	4191627.96	0.001215	4.68E-04	1.95E-04	7.33E-05	1.15E-04	5.25E-05	9.53E-05	3.18E-05
1990	564340.08	4191646.28	0.001233	4.74E-04	1.98E-04	7.43E-05	1.17E-04	5.32E-05	9.67E-05	3.22E-05
1991	564324.85	4191649.95	0.001222	4.70E-04	1.96E-04	7.36E-05	1.16E-04	5.27E-05	9.58E-05	3.19E-05
1992	564309.61	4191653.61	0.001205	4.63E-04	1.93E-04	7.26E-05	1.14E-04	5.20E-05	9.45E-05	3.15E-05
1993	564636.98	4191403.42	0.001295	4.98E-04	2.08E-04	7.80E-05	1.23E-04	5.59E-05	1.02E-04	3.38E-05
1994	564639.72	4191387.42	0.001274	4.90E-04	2.04E-04	7.68E-05	1.21E-04	5.50E-05	9.99E-05	3.33E-05
1995	564642.46	4191371.43	0.001268	4.88E-04	2.03E-04	7.64E-05	1.20E-04	5.47E-05	9.95E-05	3.31E-05
1996	564632.61	4191433.7	0.001295	4.98E-04	2.08E-04	7.81E-05	1.23E-04	5.59E-05	1.02E-04	3.38E-05
1997	564624.03	4191447.44	0.001325	5.10E-04	2.13E-04	7.99E-05	1.25E-04	5.72E-05	1.04E-04	3.46E-05
1998	564615.46	4191461.18	0.00133	5.12E-04	2.13E-04	8.02E-05	1.26E-04	5.74E-05	1.04E-04	3.48E-05
1999	564606.88	4191474.91	0.00131	5.04E-04	2.10E-04	7.90E-05	1.24E-04	5.66E-05	1.03E-04	3.42E-05
2000	564598.31	4191488.65	0.001272	4.89E-04	2.04E-04	7.67E-05	1.20E-04	5.49E-05	9.98E-05	3.32E-05
2001	564589.73	4191502.38	0.001224	4.71E-04	1.96E-04	7.38E-05	1.16E-04	5.28E-05	9.60E-05	3.20E-05
2002	564538.29	4191584.79	0.001007	3.87E-04	1.62E-04	6.07E-05	9.53E-05	4.35E-05	7.90E-05	2.63E-05
2003	564529.71	4191598.53	0.000979	3.77E-04	1.57E-04	5.90E-05	9.27E-05	4.23E-05	7.68E-05	2.56E-05
2004	564513.27	4191614.16	0.000968	3.72E-04	1.55E-04	5.84E-05	9.16E-05	4.18E-05	7.59E-05	2.53E-05
2005	564497.52	4191617.94	0.001004	3.86E-04	1.61E-04	6.05E-05	9.51E-05	4.33E-05	7.88E-05	2.62E-05
2006	564481.78	4191621.73	0.001041	4.01E-04	1.67E-04	6.27E-05	9.85E-05	4.49E-05	8.17E-05	2.72E-05
2007	564466.04	4191625.52	0.001075	4.14E-04	1.72E-04	6.48E-05	1.02E-04	4.64E-05	8.43E-05	2.81E-05
2008	564450.29	4191629.3	0.001104	4.25E-04	1.77E-04	6.65E-05	1.05E-04	4.77E-05	8.66E-05	2.89E-05
2009	564434.55	4191633.09	0.001127	4.34E-04	1.81E-04	6.79E-05	1.07E-04	4.86E-05	8.84E-05	2.95E-05
2010	564418.81	4191636.87	0.001144	4.40E-04	1.83E-04	6.89E-05	1.08E-04	4.94E-05	8.97E-05	2.99E-05

2011	564340.09	4191655.8	0.001162	4.47E-04	1.86E-04	7.00E-05	1.10E-04	5.01E-05	9.11E-05	3.04E-05
2012	564324.35	4191659.59	0.00115	4.42E-04	1.84E-04	6.93E-05	1.09E-04	4.96E-05	9.02E-05	3.01E-05
2013	564646.84	4191405.11	0.001211	4.66E-04	1.94E-04	7.30E-05	1.15E-04	5.23E-05	9.50E-05	3.16E-05
2014	564649.58	4191389.11	0.00119	4.58E-04	1.91E-04	7.17E-05	1.13E-04	5.14E-05	9.34E-05	3.11E-05
2015	564652.32	4191373.12	0.001182	4.55E-04	1.90E-04	7.13E-05	1.12E-04	5.10E-05	9.28E-05	3.09E-05

			Max Yr	2	T2	T2L3	T4i	T4f
			Row	19	1.21E-02	1.90E-03	1.36E-03	8.25E-04
				Col	3	4	5	6
				Adjustment	100%	16%	11%	7%
					Year 2	Year 2	Year 2	Year 2
1	564348.4	4191311			7.26E-01	1.14E-01	8.14E-02	4.93E-02
2	564338.6	4191309			4.66E-01	7.30E-02	5.23E-02	3.16E-02
3	564328.8	4191308			2.39E-01	3.74E-02	2.68E-02	1.62E-02
4	564319	4191306			1.36E-01	2.13E-02	1.53E-02	9.25E-03
5	564356.6	4191305			6.42E-01	1.01E-01	7.20E-02	4.36E-02
6	564364.8	4191317			9.13E-01	1.43E-01	1.02E-01	6.20E-02
7	564340.3	4191299			3.34E-01	5.23E-02	3.75E-02	2.27E-02
8	564330.4	4191298			2.03E-01	3.18E-02	2.28E-02	1.38E-02
9	564320.6	4191296			1.21E-01	1.90E-02	1.36E-02	8.24E-03
10	564358.3	4191295			3.94E-01	6.17E-02	4.42E-02	2.68E-02
11	564372.9	4191311			7.10E-01	1.11E-01	7.96E-02	4.82E-02
12	564341.9	4191290			2.30E-01	3.61E-02	2.58E-02	1.56E-02
13	564332.1	4191288			1.60E-01	2.51E-02	1.80E-02	1.09E-02
14	564322.3	4191286			1.04E-01	1.63E-02	1.17E-02	7.06E-03
15	564359.9	4191285			2.52E-01	3.95E-02	2.83E-02	1.71E-02
16	564372.9	4191294			3.78E-01	5.93E-02	4.25E-02	2.57E-02
17	564381.1	4191305			5.29E-01	8.29E-02	5.93E-02	3.59E-02
18	564384.5	4191320			5.46E-01	8.55E-02	6.12E-02	3.71E-02
19	564343.6	4191280			1.66E-01	2.59E-02	1.86E-02	1.12E-02
20	564333.8	4191278			1.25E-01	1.96E-02	1.40E-02	8.50E-03
21	564323.9	4191276			8.79E-02	1.38E-02	9.86E-03	5.97E-03
22	564379.4	4191287			2.82E-01	4.41E-02	3.16E-02	1.91E-02
23	564356.8	4191262			1.10E-01	1.72E-02	1.23E-02	7.45E-03
24	564346.9	4191260			9.66E-02	1.51E-02	1.08E-02	6.56E-03
25	564337.1	4191258			8.03E-02	1.26E-02	9.01E-03	5.45E-03
26	564327.3	4191257			6.28E-02	9.84E-03	7.04E-03	4.26E-03
27	564366	4191257			9.97E-02	1.56E-02	1.12E-02	6.77E-03
28	564381.2	4191266			1.34E-01	2.10E-02	1.50E-02	9.11E-03
29	564348.6	4191250			7.73E-02	1.21E-02	8.67E-03	5.25E-03
30	564338.8	4191248			6.58E-02	1.03E-02	7.38E-03	4.47E-03
31	564328.9	4191247			5.35E-02	8.38E-03	6.00E-03	3.63E-03
32	564367.5	4191247			7.90E-02	1.24E-02	8.87E-03	5.37E-03
33	564382.4	4191256			1.00E-01	1.57E-02	1.13E-02	6.82E-03
34	564350.3	4191240			6.30E-02	9.87E-03	7.07E-03	4.28E-03
35	564340.4	4191239			5.47E-02	8.57E-03	6.14E-03	3.72E-03
36	564330.6	4191237			4.59E-02	7.20E-03	5.15E-03	3.12E-03
37	564370.1	4191237			6.54E-02	1.02E-02	7.34E-03	4.44E-03
38	564378.5	4191243			7.32E-02	1.15E-02	8.21E-03	4.97E-03
39	564386.8	4191248			8.21E-02	1.29E-02	9.21E-03	5.58E-03
40	564431.1	4191317			1.65E-01	2.58E-02	1.85E-02	1.12E-02
41	564433.3	4191326			1.29E-01	2.02E-02	1.45E-02	8.75E-03
42	564361.8	4191232			5.75E-02	9.01E-03	6.45E-03	3.91E-03
43	564351.9	4191230			5.22E-02	8.18E-03	5.86E-03	3.55E-03
44	564342.1	4191229			4.62E-02	7.24E-03	5.18E-03	3.14E-03
45	564332.3	4191227			3.98E-02	6.24E-03	4.47E-03	2.70E-03
46	564371.5	4191227			5.43E-02	8.51E-03	6.09E-03	3.69E-03

47	564379.7	4191232	5.98E-02	9.38E-03	6.71E-03	4.06E-03
48	564387.8	4191237	6.56E-02	1.03E-02	7.36E-03	4.46E-03
49	564436.8	4191300	1.68E-01	2.63E-02	1.88E-02	1.14E-02
50	564439	4191310	1.53E-01	2.40E-02	1.72E-02	1.04E-02
51	564441.1	4191319	1.27E-01	2.00E-02	1.43E-02	8.66E-03
52	564443.2	4191328	9.87E-02	1.55E-02	1.11E-02	6.70E-03
53	564363.4	4191222	4.83E-02	7.57E-03	5.42E-03	3.28E-03
54	564353.6	4191221	4.42E-02	6.93E-03	4.96E-03	3.00E-03
55	564343.8	4191219	3.96E-02	6.21E-03	4.45E-03	2.69E-03
56	564333.9	4191217	3.47E-02	5.43E-03	3.89E-03	2.35E-03
57	564373	4191217	4.59E-02	7.19E-03	5.15E-03	3.12E-03
58	564381	4191222	5.01E-02	7.85E-03	5.62E-03	3.40E-03
59	564388.9	4191227	5.41E-02	8.48E-03	6.07E-03	3.68E-03
60	564438.6	4191266	1.05E-01	1.64E-02	1.18E-02	7.12E-03
61	564446.9	4191303	1.38E-01	2.17E-02	1.55E-02	9.40E-03
62	564449	4191312	1.21E-01	1.90E-02	1.36E-02	8.25E-03
63	564451	4191321	9.84E-02	1.54E-02	1.10E-02	6.68E-03
64	564453.1	4191330	7.64E-02	1.20E-02	8.57E-03	5.19E-03
65	564365.1	4191212	4.14E-02	6.48E-03	4.64E-03	2.81E-03
66	564355.3	4191211	3.81E-02	5.97E-03	4.28E-03	2.59E-03
67	564345.4	4191209	3.45E-02	5.40E-03	3.87E-03	2.34E-03
68	564335.6	4191207	3.05E-02	4.78E-03	3.42E-03	2.07E-03
69	564374.5	4191207	3.94E-02	6.17E-03	4.42E-03	2.68E-03
70	564382.3	4191212	4.27E-02	6.68E-03	4.79E-03	2.90E-03
71	564390.1	4191217	4.56E-02	7.15E-03	5.12E-03	3.10E-03
72	564397.9	4191222	4.86E-02	7.61E-03	5.45E-03	3.30E-03
73	564436.9	4191246	7.19E-02	1.13E-02	8.07E-03	4.89E-03
74	564446.7	4191260	8.82E-02	1.38E-02	9.89E-03	5.99E-03
75	564448.7	4191269	1.01E-01	1.59E-02	1.14E-02	6.89E-03
76	564456.9	4191305	1.13E-01	1.76E-02	1.26E-02	7.64E-03
77	564458.9	4191314	9.57E-02	1.50E-02	1.07E-02	6.50E-03
78	564463	4191332	6.04E-02	9.46E-03	6.78E-03	4.10E-03
79	564366.8	4191202	3.58E-02	5.61E-03	4.02E-03	2.43E-03
80	564356.9	4191201	3.33E-02	5.21E-03	3.73E-03	2.26E-03
81	564347.1	4191199	3.03E-02	4.74E-03	3.40E-03	2.06E-03
82	564337.3	4191197	2.70E-02	4.24E-03	3.03E-03	1.84E-03
83	564376.9	4191198	3.45E-02	5.40E-03	3.87E-03	2.34E-03
84	564385.3	4191203	3.73E-02	5.85E-03	4.19E-03	2.54E-03
85	564393.7	4191208	3.98E-02	6.24E-03	4.47E-03	2.71E-03
86	564444.4	4191240	6.21E-02	9.73E-03	6.97E-03	4.22E-03
87	564455	4191255	7.63E-02	1.19E-02	8.56E-03	5.18E-03
88	564457.2	4191265	8.78E-02	1.38E-02	9.85E-03	5.96E-03
89	564459.4	4191275	9.89E-02	1.55E-02	1.11E-02	6.72E-03
90	564466.1	4191304	9.63E-02	1.51E-02	1.08E-02	6.54E-03
91	564468.3	4191314	8.07E-02	1.26E-02	9.05E-03	5.48E-03
92	564470.5	4191323	6.38E-02	1.00E-02	7.16E-03	4.33E-03
93	564472.7	4191333	4.98E-02	7.81E-03	5.59E-03	3.38E-03
94	564368.4	4191193	3.14E-02	4.91E-03	3.52E-03	2.13E-03
95	564358.6	4191191	2.93E-02	4.59E-03	3.29E-03	1.99E-03
96	564348.8	4191189	2.69E-02	4.21E-03	3.02E-03	1.83E-03
97	564338.9	4191188	2.43E-02	3.80E-03	2.72E-03	1.65E-03
98	564378.3	4191188	3.02E-02	4.73E-03	3.39E-03	2.05E-03

99	564386.6	4191193	3.25E-02	5.10E-03	3.65E-03	2.21E-03
100	564394.9	4191198	3.45E-02	5.41E-03	3.87E-03	2.35E-03
101	564444.4	4191229	5.12E-02	8.01E-03	5.74E-03	3.47E-03
102	564452.7	4191235	5.48E-02	8.58E-03	6.14E-03	3.72E-03
103	564463.1	4191249	6.59E-02	1.03E-02	7.39E-03	4.48E-03
104	564465.3	4191259	7.48E-02	1.17E-02	8.39E-03	5.08E-03
105	564467.5	4191268	8.40E-02	1.32E-02	9.43E-03	5.71E-03
106	564476.1	4191306	7.82E-02	1.23E-02	8.78E-03	5.31E-03
107	564478.3	4191316	6.44E-02	1.01E-02	7.23E-03	4.37E-03
108	564480.4	4191325	5.12E-02	8.02E-03	5.74E-03	3.48E-03
109	564482.6	4191335	4.08E-02	6.40E-03	4.58E-03	2.77E-03
110	564370.1	4191183	2.77E-02	4.34E-03	3.11E-03	1.88E-03
111	564360.3	4191181	2.60E-02	4.07E-03	2.92E-03	1.77E-03
112	564350.4	4191179	2.41E-02	3.77E-03	2.70E-03	1.63E-03
113	564340.6	4191178	2.19E-02	3.44E-03	2.46E-03	1.49E-03
114	564379.9	4191178	2.67E-02	4.18E-03	3.00E-03	1.81E-03
115	564388	4191183	2.87E-02	4.49E-03	3.21E-03	1.95E-03
116	564396.1	4191188	3.03E-02	4.75E-03	3.40E-03	2.06E-03
117	564444.8	4191219	4.25E-02	6.66E-03	4.77E-03	2.89E-03
118	564452.9	4191224	4.58E-02	7.17E-03	5.14E-03	3.11E-03
119	564461	4191229	4.87E-02	7.63E-03	5.47E-03	3.31E-03
120	564471.3	4191243	5.77E-02	9.03E-03	6.47E-03	3.92E-03
121	564473.4	4191253	6.47E-02	1.01E-02	7.26E-03	4.39E-03
122	564475.5	4191262	7.21E-02	1.13E-02	8.09E-03	4.90E-03
123	564477.6	4191271	7.87E-02	1.23E-02	8.83E-03	5.35E-03
124	564486.1	4191309	6.36E-02	9.97E-03	7.14E-03	4.32E-03
125	564488.2	4191318	5.20E-02	8.15E-03	5.83E-03	3.53E-03
126	564490.4	4191327	4.17E-02	6.54E-03	4.68E-03	2.83E-03
127	564492.5	4191337	3.41E-02	5.34E-03	3.82E-03	2.32E-03
128	564371.8	4191173	2.47E-02	3.86E-03	2.77E-03	1.67E-03
129	564361.9	4191171	2.33E-02	3.65E-03	2.61E-03	1.58E-03
130	564352.1	4191170	2.17E-02	3.40E-03	2.43E-03	1.47E-03
131	564342.3	4191168	1.99E-02	3.12E-03	2.23E-03	1.35E-03
132	564405.4	4191183	2.82E-02	4.42E-03	3.16E-03	1.91E-03
133	564445.3	4191208	3.59E-02	5.62E-03	4.02E-03	2.44E-03
134	564453.3	4191213	3.85E-02	6.04E-03	4.32E-03	2.62E-03
135	564461.3	4191218	4.12E-02	6.46E-03	4.62E-03	2.80E-03
136	564469.3	4191223	4.36E-02	6.83E-03	4.89E-03	2.96E-03
137	564479.4	4191237	5.08E-02	7.96E-03	5.70E-03	3.45E-03
138	564481.5	4191247	5.66E-02	8.86E-03	6.35E-03	3.84E-03
139	564483.6	4191256	6.25E-02	9.78E-03	7.01E-03	4.24E-03
140	564485.6	4191265	6.83E-02	1.07E-02	7.66E-03	4.64E-03
141	564487.7	4191274	7.23E-02	1.13E-02	8.11E-03	4.91E-03
142	564496.1	4191311	5.20E-02	8.15E-03	5.83E-03	3.53E-03
143	564498.2	4191320	4.25E-02	6.66E-03	4.77E-03	2.89E-03
144	564500.3	4191329	3.46E-02	5.42E-03	3.88E-03	2.35E-03
145	564502.4	4191339	2.89E-02	4.52E-03	3.24E-03	1.96E-03
146	564383	4191158	2.14E-02	3.35E-03	2.40E-03	1.45E-03
147	564390.8	4191163	2.28E-02	3.57E-03	2.55E-03	1.55E-03
148	564446	4191198	3.07E-02	4.81E-03	3.44E-03	2.09E-03
149	564453.9	4191203	3.28E-02	5.14E-03	3.68E-03	2.23E-03
150	564461.8	4191208	3.51E-02	5.49E-03	3.93E-03	2.38E-03

151	564469.7	4191213	3.73E-02	5.84E-03	4.18E-03	2.53E-03
152	564477.6	4191217	3.91E-02	6.13E-03	4.39E-03	2.66E-03
153	564487.5	4191232	4.51E-02	7.07E-03	5.06E-03	3.07E-03
154	564489.6	4191241	4.99E-02	7.81E-03	5.60E-03	3.39E-03
155	564491.6	4191250	5.48E-02	8.59E-03	6.15E-03	3.72E-03
156	564493.7	4191259	5.96E-02	9.34E-03	6.69E-03	4.05E-03
157	564495.8	4191268	6.36E-02	9.97E-03	7.14E-03	4.32E-03
158	564497.8	4191277	6.53E-02	1.02E-02	7.33E-03	4.44E-03
159	564506.1	4191313	4.28E-02	6.71E-03	4.81E-03	2.91E-03
160	564508.1	4191322	3.52E-02	5.51E-03	3.95E-03	2.39E-03
161	564510.2	4191331	2.91E-02	4.55E-03	3.26E-03	1.97E-03
162	564512.3	4191340	2.47E-02	3.87E-03	2.77E-03	1.68E-03
163	564375.1	4191153	1.99E-02	3.11E-03	2.23E-03	1.35E-03
164	564365.3	4191151	1.89E-02	2.97E-03	2.12E-03	1.29E-03
165	564355.4	4191150	1.79E-02	2.80E-03	2.00E-03	1.21E-03
166	564345.6	4191148	1.67E-02	2.61E-03	1.87E-03	1.13E-03
167	564385.1	4191149	1.93E-02	3.03E-03	2.17E-03	1.31E-03
168	564393.4	4191154	2.07E-02	3.24E-03	2.32E-03	1.40E-03
169	564451.9	4191190	2.78E-02	4.35E-03	3.11E-03	1.89E-03
170	564460.2	4191196	2.96E-02	4.63E-03	3.32E-03	2.01E-03
171	564468.6	4191201	3.16E-02	4.95E-03	3.54E-03	2.15E-03
172	564476.9	4191206	3.35E-02	5.25E-03	3.76E-03	2.28E-03
173	564485.2	4191211	3.51E-02	5.50E-03	3.94E-03	2.38E-03
174	564495.8	4191226	4.06E-02	6.36E-03	4.56E-03	2.76E-03
175	564498	4191236	4.49E-02	7.03E-03	5.04E-03	3.05E-03
176	564500.2	4191245	4.93E-02	7.73E-03	5.54E-03	3.35E-03
177	564502.3	4191255	5.36E-02	8.40E-03	6.01E-03	3.64E-03
178	564504.5	4191265	5.72E-02	8.95E-03	6.41E-03	3.88E-03
179	564506.7	4191274	5.86E-02	9.18E-03	6.58E-03	3.98E-03
180	564508.9	4191284	5.70E-02	8.92E-03	6.39E-03	3.87E-03
181	564515.4	4191313	3.76E-02	5.89E-03	4.21E-03	2.55E-03
182	564517.6	4191322	3.07E-02	4.81E-03	3.44E-03	2.08E-03
183	564519.8	4191332	2.51E-02	3.93E-03	2.81E-03	1.70E-03
184	564522	4191342	2.14E-02	3.35E-03	2.40E-03	1.45E-03
185	564376.7	4191143	1.80E-02	2.82E-03	2.02E-03	1.22E-03
186	564366.9	4191142	1.72E-02	2.69E-03	1.93E-03	1.17E-03
187	564357.1	4191140	1.63E-02	2.56E-03	1.83E-03	1.11E-03
188	564347.3	4191138	1.53E-02	2.40E-03	1.72E-03	1.04E-03
189	564386.6	4191139	1.75E-02	2.74E-03	1.96E-03	1.19E-03
190	564394.9	4191144	1.87E-02	2.93E-03	2.10E-03	1.27E-03
191	564477.1	4191195	2.89E-02	4.53E-03	3.24E-03	1.96E-03
192	564485.3	4191201	3.04E-02	4.76E-03	3.41E-03	2.06E-03
193	564493.5	4191206	3.17E-02	4.97E-03	3.56E-03	2.15E-03
194	564503.9	4191220	3.63E-02	5.69E-03	4.08E-03	2.47E-03
195	564506.1	4191230	4.01E-02	6.28E-03	4.50E-03	2.72E-03
196	564508.2	4191239	4.38E-02	6.87E-03	4.92E-03	2.98E-03
197	564510.4	4191249	4.75E-02	7.45E-03	5.33E-03	3.23E-03
198	564512.5	4191258	5.07E-02	7.94E-03	5.69E-03	3.44E-03
199	564514.7	4191268	5.27E-02	8.25E-03	5.91E-03	3.58E-03
200	564516.8	4191277	5.24E-02	8.20E-03	5.87E-03	3.56E-03
201	564525.4	4191315	3.12E-02	4.88E-03	3.49E-03	2.12E-03
202	564527.6	4191324	2.56E-02	4.02E-03	2.88E-03	1.74E-03

203	564529.7	4191334	2.15E-02	3.36E-03	2.41E-03	1.46E-03
204	564531.9	4191343	1.86E-02	2.91E-03	2.09E-03	1.26E-03
205	564378.4	4191133	1.64E-02	2.56E-03	1.84E-03	1.11E-03
206	564368.6	4191132	1.57E-02	2.46E-03	1.76E-03	1.07E-03
207	564358.8	4191130	1.49E-02	2.34E-03	1.68E-03	1.02E-03
208	564348.9	4191128	1.41E-02	2.21E-03	1.58E-03	9.57E-04
209	564388.2	4191129	1.60E-02	2.50E-03	1.79E-03	1.08E-03
210	564396.3	4191134	1.70E-02	2.66E-03	1.90E-03	1.15E-03
211	564453.1	4191169	2.17E-02	3.40E-03	2.44E-03	1.47E-03
212	564461.2	4191175	2.26E-02	3.55E-03	2.54E-03	1.54E-03
213	564469.3	4191180	2.38E-02	3.73E-03	2.67E-03	1.62E-03
214	564501.8	4191200	2.88E-02	4.51E-03	3.23E-03	1.95E-03
215	564512	4191214	3.27E-02	5.12E-03	3.67E-03	2.22E-03
216	564514.2	4191224	3.59E-02	5.63E-03	4.03E-03	2.44E-03
217	564516.3	4191233	3.92E-02	6.14E-03	4.40E-03	2.66E-03
218	564518.4	4191242	4.24E-02	6.64E-03	4.76E-03	2.88E-03
219	564520.5	4191252	4.52E-02	7.09E-03	5.07E-03	3.07E-03
220	564522.7	4191261	4.72E-02	7.39E-03	5.29E-03	3.20E-03
221	564524.8	4191270	4.77E-02	7.47E-03	5.35E-03	3.24E-03
222	564526.9	4191280	4.60E-02	7.21E-03	5.16E-03	3.13E-03
223	564535.4	4191317	2.63E-02	4.12E-03	2.95E-03	1.78E-03
224	564537.5	4191327	2.19E-02	3.43E-03	2.45E-03	1.49E-03
225	564539.7	4191336	1.86E-02	2.92E-03	2.09E-03	1.27E-03
226	564541.8	4191345	1.64E-02	2.57E-03	1.84E-03	1.12E-03
227	564380.1	4191124	1.50E-02	2.35E-03	1.68E-03	1.02E-03
228	564370.2	4191122	1.44E-02	2.25E-03	1.61E-03	9.77E-04
229	564360.4	4191120	1.37E-02	2.15E-03	1.54E-03	9.32E-04
230	564350.6	4191119	1.30E-02	2.03E-03	1.46E-03	8.82E-04
231	564389.8	4191119	1.46E-02	2.29E-03	1.64E-03	9.95E-04
232	564397.8	4191124	1.55E-02	2.43E-03	1.74E-03	1.05E-03
233	564453.9	4191159	1.95E-02	3.05E-03	2.19E-03	1.32E-03
234	564461.9	4191164	2.02E-02	3.16E-03	2.26E-03	1.37E-03
235	564470	4191169	2.10E-02	3.29E-03	2.36E-03	1.43E-03
236	564478	4191174	2.21E-02	3.45E-03	2.47E-03	1.50E-03
237	564486	4191179	2.32E-02	3.63E-03	2.60E-03	1.57E-03
238	564520.2	4191209	2.96E-02	4.63E-03	3.32E-03	2.01E-03
239	564522.3	4191218	3.23E-02	5.06E-03	3.63E-03	2.20E-03
240	564524.4	4191227	3.52E-02	5.52E-03	3.95E-03	2.39E-03
241	564526.5	4191236	3.80E-02	5.95E-03	4.26E-03	2.58E-03
242	564528.6	4191245	4.06E-02	6.36E-03	4.55E-03	2.76E-03
243	564530.7	4191255	4.24E-02	6.65E-03	4.76E-03	2.88E-03
244	564532.8	4191264	4.34E-02	6.80E-03	4.87E-03	2.95E-03
245	564534.9	4191273	4.27E-02	6.70E-03	4.80E-03	2.90E-03
246	564537	4191282	4.03E-02	6.31E-03	4.52E-03	2.74E-03
247	564545.4	4191319	2.24E-02	3.51E-03	2.51E-03	1.52E-03
248	564547.5	4191329	1.89E-02	2.96E-03	2.12E-03	1.28E-03
249	564549.6	4191338	1.64E-02	2.56E-03	1.83E-03	1.11E-03
250	564551.7	4191347	1.46E-02	2.29E-03	1.64E-03	9.93E-04
251	564381.7	4191114	1.38E-02	2.16E-03	1.55E-03	9.36E-04
252	564371.9	4191112	1.33E-02	2.08E-03	1.49E-03	9.00E-04
253	564362.1	4191110	1.27E-02	1.98E-03	1.42E-03	8.60E-04
254	564352.3	4191109	1.20E-02	1.88E-03	1.35E-03	8.15E-04

255	564391.8	4191109	1.35E-02	2.12E-03	1.52E-03	9.19E-04
256	564400.2	4191114	1.43E-02	2.24E-03	1.61E-03	9.73E-04
257	564450.6	4191146	1.75E-02	2.73E-03	1.96E-03	1.19E-03
258	564459	4191151	1.79E-02	2.80E-03	2.01E-03	1.22E-03
259	564467.4	4191157	1.85E-02	2.89E-03	2.07E-03	1.25E-03
260	564475.8	4191162	1.92E-02	3.01E-03	2.16E-03	1.31E-03
261	564484.2	4191167	2.02E-02	3.16E-03	2.26E-03	1.37E-03
262	564492.6	4191172	2.12E-02	3.32E-03	2.38E-03	1.44E-03
263	564501	4191178	2.22E-02	3.48E-03	2.49E-03	1.51E-03
264	564509.4	4191183	2.31E-02	3.62E-03	2.59E-03	1.57E-03
265	564528.4	4191203	2.70E-02	4.23E-03	3.03E-03	1.83E-03
266	564530.6	4191213	2.95E-02	4.62E-03	3.31E-03	2.00E-03
267	564532.8	4191223	3.22E-02	5.04E-03	3.61E-03	2.19E-03
268	564535	4191232	3.48E-02	5.45E-03	3.90E-03	2.36E-03
269	564537.2	4191242	3.72E-02	5.83E-03	4.17E-03	2.53E-03
270	564539.4	4191252	3.90E-02	6.11E-03	4.37E-03	2.65E-03
271	564541.6	4191261	3.98E-02	6.24E-03	4.47E-03	2.70E-03
272	564543.8	4191271	3.91E-02	6.12E-03	4.38E-03	2.65E-03
273	564546	4191281	3.66E-02	5.74E-03	4.11E-03	2.49E-03
274	564548.2	4191290	3.28E-02	5.14E-03	3.68E-03	2.23E-03
275	564554.8	4191319	2.00E-02	3.14E-03	2.25E-03	1.36E-03
276	564557	4191329	1.69E-02	2.65E-03	1.90E-03	1.15E-03
277	564559.2	4191339	1.47E-02	2.30E-03	1.65E-03	9.98E-04
278	564383.4	4191104	1.27E-02	1.99E-03	1.43E-03	8.65E-04
279	564373.6	4191102	1.23E-02	1.92E-03	1.38E-03	8.33E-04
280	564363.7	4191101	1.17E-02	1.84E-03	1.32E-03	7.98E-04
281	564353.9	4191099	1.12E-02	1.75E-03	1.25E-03	7.58E-04
282	564393.4	4191099	1.25E-02	1.96E-03	1.40E-03	8.49E-04
283	564401.7	4191104	1.32E-02	2.07E-03	1.48E-03	8.96E-04
284	564451.4	4191136	1.60E-02	2.50E-03	1.79E-03	1.08E-03
285	564459.7	4191141	1.63E-02	2.55E-03	1.83E-03	1.11E-03
286	564468	4191146	1.67E-02	2.61E-03	1.87E-03	1.13E-03
287	564476.3	4191151	1.72E-02	2.70E-03	1.93E-03	1.17E-03
288	564484.6	4191156	1.79E-02	2.81E-03	2.01E-03	1.22E-03
289	564492.9	4191162	1.88E-02	2.94E-03	2.10E-03	1.27E-03
290	564501.2	4191167	1.96E-02	3.07E-03	2.20E-03	1.33E-03
291	564509.5	4191172	2.05E-02	3.21E-03	2.30E-03	1.39E-03
292	564517.8	4191177	2.13E-02	3.34E-03	2.39E-03	1.45E-03
293	564526.1	4191183	2.20E-02	3.45E-03	2.47E-03	1.49E-03
294	564538.7	4191207	2.68E-02	4.19E-03	3.00E-03	1.82E-03
295	564540.9	4191216	2.91E-02	4.55E-03	3.26E-03	1.97E-03
296	564543.1	4191226	3.15E-02	4.93E-03	3.53E-03	2.14E-03
297	564545.2	4191235	3.37E-02	5.27E-03	3.78E-03	2.29E-03
298	564547.4	4191245	3.55E-02	5.56E-03	3.98E-03	2.41E-03
299	564549.6	4191255	3.66E-02	5.73E-03	4.10E-03	2.48E-03
300	564551.8	4191264	3.64E-02	5.71E-03	4.09E-03	2.48E-03
301	564553.9	4191274	3.49E-02	5.46E-03	3.91E-03	2.37E-03
302	564556.1	4191283	3.19E-02	5.00E-03	3.58E-03	2.17E-03
303	564564.8	4191321	1.73E-02	2.72E-03	1.95E-03	1.18E-03
304	564385.1	4191094	1.18E-02	1.85E-03	1.32E-03	8.02E-04
305	564375.2	4191092	1.14E-02	1.79E-03	1.28E-03	7.74E-04
306	564365.4	4191091	1.09E-02	1.71E-03	1.23E-03	7.43E-04

307	564355.6	4191089	1.04E-02	1.64E-03	1.17E-03	7.09E-04
308	564394.9	4191089	1.16E-02	1.81E-03	1.30E-03	7.87E-04
309	564403.1	4191094	1.22E-02	1.91E-03	1.37E-03	8.28E-04
310	564452.3	4191125	1.47E-02	2.30E-03	1.65E-03	9.98E-04
311	564460.5	4191130	1.49E-02	2.34E-03	1.67E-03	1.01E-03
312	564468.7	4191136	1.52E-02	2.38E-03	1.71E-03	1.03E-03
313	564476.9	4191141	1.56E-02	2.44E-03	1.75E-03	1.06E-03
314	564485.1	4191146	1.61E-02	2.52E-03	1.81E-03	1.09E-03
315	564493.3	4191151	1.68E-02	2.62E-03	1.88E-03	1.14E-03
316	564501.5	4191156	1.75E-02	2.74E-03	1.96E-03	1.19E-03
317	564509.7	4191161	1.82E-02	2.86E-03	2.05E-03	1.24E-03
318	564517.9	4191166	1.90E-02	2.97E-03	2.13E-03	1.29E-03
319	564526.1	4191172	1.97E-02	3.08E-03	2.20E-03	1.34E-03
320	564534.3	4191177	2.03E-02	3.17E-03	2.27E-03	1.38E-03
321	564549	4191210	2.64E-02	4.13E-03	2.96E-03	1.79E-03
322	564551.1	4191220	2.84E-02	4.45E-03	3.19E-03	1.93E-03
323	564553.3	4191229	3.05E-02	4.77E-03	3.42E-03	2.07E-03
324	564555.4	4191239	3.23E-02	5.05E-03	3.62E-03	2.19E-03
325	564557.6	4191248	3.35E-02	5.25E-03	3.76E-03	2.28E-03
326	564559.7	4191257	3.39E-02	5.31E-03	3.80E-03	2.30E-03
327	564561.9	4191267	3.30E-02	5.17E-03	3.70E-03	2.24E-03
328	564564	4191276	3.08E-02	4.83E-03	3.46E-03	2.09E-03
329	564566.2	4191286	2.78E-02	4.35E-03	3.11E-03	1.89E-03
330	564386.7	4191084	1.10E-02	1.72E-03	1.23E-03	7.46E-04
331	564376.9	4191082	1.06E-02	1.66E-03	1.19E-03	7.21E-04
332	564367.1	4191081	1.02E-02	1.60E-03	1.15E-03	6.95E-04
333	564357.2	4191079	9.79E-03	1.53E-03	1.10E-03	6.65E-04
334	564404.6	4191084	1.13E-02	1.77E-03	1.27E-03	7.67E-04
335	564453.3	4191115	1.36E-02	2.13E-03	1.52E-03	9.23E-04
336	564461.4	4191120	1.38E-02	2.16E-03	1.55E-03	9.36E-04
337	564469.5	4191125	1.40E-02	2.19E-03	1.57E-03	9.49E-04
338	564477.7	4191130	1.42E-02	2.23E-03	1.60E-03	9.68E-04
339	564485.8	4191135	1.46E-02	2.29E-03	1.64E-03	9.93E-04
340	564493.9	4191140	1.51E-02	2.36E-03	1.69E-03	1.03E-03
341	564502	4191146	1.57E-02	2.45E-03	1.76E-03	1.06E-03
342	564510.1	4191151	1.63E-02	2.56E-03	1.83E-03	1.11E-03
343	564518.2	4191156	1.70E-02	2.66E-03	1.91E-03	1.16E-03
344	564526.3	4191161	1.76E-02	2.76E-03	1.98E-03	1.20E-03
345	564534.5	4191166	1.82E-02	2.85E-03	2.04E-03	1.24E-03
346	564542.6	4191171	1.87E-02	2.93E-03	2.10E-03	1.27E-03
347	564552.8	4191185	2.06E-02	3.22E-03	2.31E-03	1.40E-03
348	564559.2	4191214	2.58E-02	4.04E-03	2.89E-03	1.75E-03
349	564561.3	4191223	2.76E-02	4.33E-03	3.10E-03	1.88E-03
350	564563.4	4191232	2.93E-02	4.60E-03	3.29E-03	1.99E-03
351	564565.6	4191242	3.07E-02	4.80E-03	3.44E-03	2.08E-03
352	564567.7	4191251	3.13E-02	4.91E-03	3.51E-03	2.13E-03
353	564569.8	4191260	3.10E-02	4.85E-03	3.48E-03	2.10E-03
354	564571.9	4191270	2.95E-02	4.63E-03	3.31E-03	2.01E-03
355	564588.9	4191344	1.07E-02	1.68E-03	1.20E-03	7.27E-04
356	564591.1	4191354	9.91E-03	1.55E-03	1.11E-03	6.73E-04
357	564457.6	4191107	1.27E-02	1.99E-03	1.42E-03	8.61E-04
358	564466	4191112	1.28E-02	2.01E-03	1.44E-03	8.72E-04

359	564474.5	4191117	1.30E-02	2.04E-03	1.46E-03	8.84E-04
360	564482.9	4191123	1.33E-02	2.08E-03	1.49E-03	9.01E-04
361	564491.3	4191128	1.36E-02	2.13E-03	1.52E-03	9.23E-04
362	564499.8	4191133	1.40E-02	2.19E-03	1.57E-03	9.52E-04
363	564508.2	4191139	1.45E-02	2.28E-03	1.63E-03	9.88E-04
364	564516.7	4191144	1.52E-02	2.38E-03	1.70E-03	1.03E-03
365	564525.1	4191149	1.58E-02	2.48E-03	1.77E-03	1.07E-03
366	564533.5	4191154	1.64E-02	2.57E-03	1.84E-03	1.11E-03
367	564542	4191160	1.69E-02	2.65E-03	1.89E-03	1.15E-03
368	564550.4	4191165	1.73E-02	2.71E-03	1.94E-03	1.18E-03
369	564561.1	4191180	1.90E-02	2.98E-03	2.13E-03	1.29E-03
370	564563.3	4191190	2.06E-02	3.22E-03	2.31E-03	1.40E-03
371	564569.9	4191219	2.56E-02	4.00E-03	2.87E-03	1.74E-03
372	564572.1	4191229	2.71E-02	4.25E-03	3.04E-03	1.84E-03
373	564574.3	4191238	2.83E-02	4.44E-03	3.18E-03	1.93E-03
374	564576.5	4191248	2.89E-02	4.53E-03	3.25E-03	1.97E-03
375	564594.2	4191326	1.22E-02	1.92E-03	1.37E-03	8.31E-04
376	564596.4	4191336	1.08E-02	1.69E-03	1.21E-03	7.35E-04
377	564598.6	4191345	9.82E-03	1.54E-03	1.10E-03	6.67E-04
378	564600.8	4191355	9.10E-03	1.43E-03	1.02E-03	6.18E-04
379	564370.4	4191061	9.00E-03	1.41E-03	1.01E-03	6.11E-04
380	564360.6	4191059	8.65E-03	1.36E-03	9.71E-04	5.88E-04
381	564400.1	4191060	9.39E-03	1.47E-03	1.05E-03	6.38E-04
382	564408.4	4191065	9.83E-03	1.54E-03	1.10E-03	6.68E-04
383	564458.5	4191096	1.18E-02	1.85E-03	1.33E-03	8.04E-04
384	564466.9	4191102	1.20E-02	1.87E-03	1.34E-03	8.12E-04
385	564475.2	4191107	1.21E-02	1.89E-03	1.35E-03	8.20E-04
386	564483.5	4191112	1.23E-02	1.92E-03	1.38E-03	8.33E-04
387	564491.9	4191117	1.25E-02	1.96E-03	1.40E-03	8.50E-04
388	564500.2	4191123	1.28E-02	2.01E-03	1.44E-03	8.72E-04
389	564508.6	4191128	1.32E-02	2.07E-03	1.48E-03	8.99E-04
390	564516.9	4191133	1.37E-02	2.15E-03	1.54E-03	9.33E-04
391	564525.3	4191138	1.43E-02	2.24E-03	1.60E-03	9.71E-04
392	564533.6	4191144	1.48E-02	2.33E-03	1.67E-03	1.01E-03
393	564542	4191149	1.53E-02	2.40E-03	1.72E-03	1.04E-03
394	564550.3	4191154	1.58E-02	2.47E-03	1.77E-03	1.07E-03
395	564558.7	4191159	1.60E-02	2.50E-03	1.79E-03	1.09E-03
396	564569.2	4191174	1.76E-02	2.76E-03	1.98E-03	1.20E-03
397	564571.4	4191184	1.90E-02	2.97E-03	2.13E-03	1.29E-03
398	564573.6	4191193	2.04E-02	3.19E-03	2.28E-03	1.38E-03
399	564577.9	4191213	2.33E-02	3.65E-03	2.62E-03	1.58E-03
400	564580.1	4191222	2.48E-02	3.88E-03	2.78E-03	1.68E-03
401	564591	4191270	2.44E-02	3.82E-03	2.73E-03	1.66E-03
402	564593.2	4191280	2.22E-02	3.47E-03	2.49E-03	1.51E-03
403	564595.4	4191289	1.96E-02	3.07E-03	2.20E-03	1.33E-03
404	564597.6	4191299	1.69E-02	2.65E-03	1.89E-03	1.15E-03
405	564604.2	4191328	1.09E-02	1.71E-03	1.22E-03	7.41E-04
406	564606.3	4191338	9.77E-03	1.53E-03	1.10E-03	6.63E-04
407	564391.7	4191055	8.96E-03	1.40E-03	1.01E-03	6.09E-04
408	564381.9	4191053	8.73E-03	1.37E-03	9.80E-04	5.93E-04
409	564372.1	4191051	8.46E-03	1.33E-03	9.49E-04	5.75E-04
410	564362.2	4191050	8.16E-03	1.28E-03	9.15E-04	5.54E-04

411	564401.7	4191050	8.78E-03	1.38E-03	9.85E-04	5.96E-04
412	564467.8	4191091	1.12E-02	1.75E-03	1.26E-03	7.61E-04
413	564476	4191097	1.13E-02	1.77E-03	1.27E-03	7.67E-04
414	564484.3	4191102	1.14E-02	1.79E-03	1.28E-03	7.76E-04
415	564492.5	4191107	1.16E-02	1.82E-03	1.30E-03	7.88E-04
416	564500.8	4191112	1.18E-02	1.85E-03	1.33E-03	8.04E-04
417	564509.1	4191117	1.21E-02	1.90E-03	1.36E-03	8.25E-04
418	564517.3	4191122	1.25E-02	1.96E-03	1.40E-03	8.51E-04
419	564525.6	4191128	1.30E-02	2.03E-03	1.46E-03	8.81E-04
420	564533.9	4191133	1.35E-02	2.11E-03	1.51E-03	9.16E-04
421	564542.1	4191138	1.39E-02	2.18E-03	1.56E-03	9.47E-04
422	564550.4	4191143	1.44E-02	2.25E-03	1.61E-03	9.75E-04
423	564558.6	4191148	1.47E-02	2.31E-03	1.65E-03	1.00E-03
424	564566.9	4191154	1.49E-02	2.34E-03	1.68E-03	1.01E-03
425	564577.3	4191168	1.64E-02	2.57E-03	1.84E-03	1.11E-03
426	564579.5	4191178	1.76E-02	2.75E-03	1.97E-03	1.19E-03
427	564581.7	4191187	1.88E-02	2.94E-03	2.11E-03	1.28E-03
428	564596.8	4191254	2.45E-02	3.84E-03	2.75E-03	1.66E-03
429	564599	4191263	2.34E-02	3.67E-03	2.62E-03	1.59E-03
430	564601.1	4191273	2.16E-02	3.39E-03	2.43E-03	1.47E-03
431	564603.3	4191282	1.95E-02	3.05E-03	2.19E-03	1.32E-03
432	564605.4	4191292	1.71E-02	2.68E-03	1.92E-03	1.16E-03
433	564607.6	4191301	1.48E-02	2.31E-03	1.66E-03	1.00E-03
434	564393.4	4191045	8.41E-03	1.32E-03	9.43E-04	5.71E-04
435	564383.6	4191043	8.21E-03	1.29E-03	9.21E-04	5.58E-04
436	564373.7	4191041	7.97E-03	1.25E-03	8.94E-04	5.41E-04
437	564363.9	4191040	7.69E-03	1.20E-03	8.63E-04	5.22E-04
438	564403.2	4191040	8.24E-03	1.29E-03	9.24E-04	5.59E-04
439	564493.3	4191096	1.08E-02	1.69E-03	1.21E-03	7.34E-04
440	564501.5	4191102	1.10E-02	1.72E-03	1.23E-03	7.46E-04
441	564509.7	4191107	1.12E-02	1.76E-03	1.26E-03	7.61E-04
442	564517.8	4191112	1.15E-02	1.80E-03	1.29E-03	7.80E-04
443	564526	4191117	1.18E-02	1.85E-03	1.33E-03	8.04E-04
444	564534.2	4191122	1.22E-02	1.92E-03	1.37E-03	8.32E-04
445	564542.4	4191127	1.27E-02	1.98E-03	1.42E-03	8.60E-04
446	564550.6	4191132	1.31E-02	2.05E-03	1.47E-03	8.88E-04
447	564558.8	4191138	1.35E-02	2.11E-03	1.51E-03	9.15E-04
448	564566.9	4191143	1.38E-02	2.16E-03	1.55E-03	9.38E-04
449	564575.1	4191148	1.40E-02	2.19E-03	1.57E-03	9.50E-04
450	564585.5	4191162	1.53E-02	2.40E-03	1.72E-03	1.04E-03
451	564600.5	4191228	2.27E-02	3.56E-03	2.55E-03	1.54E-03
452	564602.6	4191238	2.31E-02	3.62E-03	2.60E-03	1.57E-03
453	564604.8	4191247	2.30E-02	3.61E-03	2.58E-03	1.56E-03
454	564606.9	4191257	2.23E-02	3.49E-03	2.50E-03	1.51E-03
455	564609	4191266	2.10E-02	3.29E-03	2.35E-03	1.42E-03
456	564611.2	4191276	1.92E-02	3.01E-03	2.15E-03	1.30E-03
457	564613.3	4191285	1.71E-02	2.69E-03	1.92E-03	1.16E-03
458	564615.5	4191294	1.50E-02	2.35E-03	1.68E-03	1.02E-03
459	564617.6	4191304	1.30E-02	2.04E-03	1.46E-03	8.82E-04
460	564626.2	4191341	8.09E-03	1.27E-03	9.08E-04	5.50E-04
461	564628.3	4191351	7.52E-03	1.18E-03	8.43E-04	5.11E-04
462	564630.5	4191360	7.10E-03	1.11E-03	7.97E-04	4.82E-04

463	564395.1	4191035	7.90E-03	1.24E-03	8.86E-04	5.36E-04
464	564385.2	4191033	7.71E-03	1.21E-03	8.65E-04	5.24E-04
465	564375.4	4191032	7.50E-03	1.17E-03	8.41E-04	5.09E-04
466	564365.6	4191030	7.25E-03	1.14E-03	8.13E-04	4.92E-04
467	564404.8	4191030	7.74E-03	1.21E-03	8.69E-04	5.26E-04
468	564453.5	4191061	9.56E-03	1.50E-03	1.07E-03	6.49E-04
469	564461.6	4191066	9.74E-03	1.53E-03	1.09E-03	6.62E-04
470	564469.8	4191071	9.87E-03	1.55E-03	1.11E-03	6.71E-04
471	564477.9	4191076	9.97E-03	1.56E-03	1.12E-03	6.77E-04
472	564518.4	4191101	1.06E-02	1.66E-03	1.19E-03	7.19E-04
473	564526.6	4191106	1.09E-02	1.70E-03	1.22E-03	7.38E-04
474	564534.7	4191112	1.12E-02	1.75E-03	1.26E-03	7.60E-04
475	564542.8	4191117	1.15E-02	1.81E-03	1.30E-03	7.84E-04
476	564550.9	4191122	1.19E-02	1.87E-03	1.34E-03	8.09E-04
477	564559	4191127	1.23E-02	1.92E-03	1.38E-03	8.34E-04
478	564567.1	4191132	1.26E-02	1.98E-03	1.42E-03	8.58E-04
479	564575.2	4191137	1.29E-02	2.03E-03	1.45E-03	8.80E-04
480	564583.4	4191142	1.31E-02	2.05E-03	1.47E-03	8.90E-04
481	564608.5	4191222	2.10E-02	3.28E-03	2.35E-03	1.42E-03
482	564610.6	4191231	2.15E-02	3.37E-03	2.41E-03	1.46E-03
483	564612.7	4191241	2.16E-02	3.38E-03	2.42E-03	1.47E-03
484	564614.8	4191250	2.12E-02	3.31E-03	2.37E-03	1.44E-03
485	564617	4191259	2.02E-02	3.16E-03	2.26E-03	1.37E-03
486	564619.1	4191269	1.87E-02	2.94E-03	2.10E-03	1.27E-03
487	564621.2	4191278	1.70E-02	2.66E-03	1.91E-03	1.15E-03
488	564623.3	4191287	1.51E-02	2.37E-03	1.70E-03	1.03E-03
489	564625.5	4191297	1.32E-02	2.07E-03	1.48E-03	8.98E-04
490	564627.6	4191306	1.15E-02	1.80E-03	1.29E-03	7.82E-04
491	564634	4191334	8.08E-03	1.27E-03	9.06E-04	5.49E-04
492	564636.1	4191343	7.42E-03	1.16E-03	8.32E-04	5.04E-04
493	564638.2	4191353	6.93E-03	1.09E-03	7.78E-04	4.71E-04
494	564640.3	4191362	6.58E-03	1.03E-03	7.38E-04	4.47E-04
495	564396.7	4191025	7.44E-03	1.16E-03	8.34E-04	5.05E-04
496	564386.9	4191023	7.26E-03	1.14E-03	8.15E-04	4.93E-04
497	564377.1	4191022	7.07E-03	1.11E-03	7.93E-04	4.80E-04
498	564367.2	4191020	6.84E-03	1.07E-03	7.68E-04	4.65E-04
499	564406.8	4191020	7.31E-03	1.15E-03	8.20E-04	4.97E-04
500	564457.1	4191052	9.02E-03	1.41E-03	1.01E-03	6.13E-04
501	564465.5	4191057	9.19E-03	1.44E-03	1.03E-03	6.24E-04
502	564473.9	4191062	9.32E-03	1.46E-03	1.04E-03	6.33E-04
503	564482.2	4191068	9.40E-03	1.47E-03	1.05E-03	6.38E-04
504	564490.6	4191073	9.46E-03	1.48E-03	1.06E-03	6.43E-04
505	564499	4191078	9.52E-03	1.49E-03	1.07E-03	6.47E-04
506	564507.4	4191084	9.61E-03	1.51E-03	1.08E-03	6.53E-04
507	564549.3	4191110	1.08E-02	1.69E-03	1.21E-03	7.35E-04
508	564557.7	4191115	1.12E-02	1.75E-03	1.25E-03	7.58E-04
509	564566.1	4191120	1.15E-02	1.80E-03	1.29E-03	7.81E-04
510	564574.5	4191126	1.18E-02	1.85E-03	1.33E-03	8.03E-04
511	564582.9	4191131	1.20E-02	1.88E-03	1.35E-03	8.15E-04
512	564591.2	4191136	1.23E-02	1.92E-03	1.38E-03	8.33E-04
513	564608.4	4191180	1.61E-02	2.52E-03	1.80E-03	1.09E-03
514	564610.6	4191190	1.70E-02	2.66E-03	1.91E-03	1.15E-03

515	564612.8	4191199	1.79E-02	2.81E-03	2.01E-03	1.22E-03
516	564617.2	4191219	1.96E-02	3.07E-03	2.20E-03	1.33E-03
517	564619.4	4191228	2.01E-02	3.15E-03	2.25E-03	1.36E-03
518	564621.6	4191238	2.02E-02	3.16E-03	2.26E-03	1.37E-03
519	564623.8	4191248	1.97E-02	3.09E-03	2.21E-03	1.34E-03
520	564626	4191257	1.88E-02	2.95E-03	2.11E-03	1.28E-03
521	564628.2	4191267	1.74E-02	2.73E-03	1.96E-03	1.18E-03
522	564630.4	4191277	1.58E-02	2.47E-03	1.77E-03	1.07E-03
523	564632.6	4191286	1.40E-02	2.20E-03	1.57E-03	9.52E-04
524	564634.8	4191296	1.23E-02	1.92E-03	1.38E-03	8.33E-04
525	564637	4191306	1.07E-02	1.68E-03	1.20E-03	7.27E-04
526	564643.5	4191335	7.50E-03	1.17E-03	8.41E-04	5.09E-04
527	564645.7	4191344	6.89E-03	1.08E-03	7.73E-04	4.68E-04
528	564647.9	4191354	6.44E-03	1.01E-03	7.23E-04	4.38E-04
529	564650.1	4191363	6.13E-03	9.60E-04	6.88E-04	4.16E-04
530	564398.4	4191015	7.02E-03	1.10E-03	7.88E-04	4.77E-04
531	564388.6	4191013	6.86E-03	1.08E-03	7.70E-04	4.66E-04
532	564378.7	4191012	6.69E-03	1.05E-03	7.50E-04	4.54E-04
533	564368.9	4191010	6.49E-03	1.02E-03	7.28E-04	4.41E-04
534	564307.4	4191314	1.07E-01	1.67E-02	1.20E-02	7.26E-03
535	564304.7	4191330	1.83E-01	2.87E-02	2.05E-02	1.24E-02
536	564301.9	4191346	2.63E-01	4.12E-02	2.95E-02	1.78E-02
537	564301.6	4191306	6.91E-02	1.08E-02	7.75E-03	4.69E-03
538	564296.2	4191321	8.88E-02	1.39E-02	9.96E-03	6.03E-03
539	564293.4	4191337	1.28E-01	2.01E-02	1.44E-02	8.72E-03
540	564290.7	4191353	1.55E-01	2.43E-02	1.74E-02	1.05E-02
541	564291.8	4191304	4.89E-02	7.66E-03	5.49E-03	3.32E-03
542	564307.4	4191290	5.88E-02	9.21E-03	6.59E-03	3.99E-03
543	564286.3	4191319	5.99E-02	9.38E-03	6.71E-03	4.07E-03
544	564283.6	4191335	7.85E-02	1.23E-02	8.81E-03	5.33E-03
545	564281.9	4191303	3.66E-02	5.73E-03	4.10E-03	2.48E-03
546	564290.1	4191290	3.33E-02	5.22E-03	3.74E-03	2.26E-03
547	564301.6	4191281	4.11E-02	6.44E-03	4.61E-03	2.79E-03
548	564276.5	4191317	4.27E-02	6.69E-03	4.79E-03	2.90E-03
549	564273.7	4191333	5.26E-02	8.23E-03	5.90E-03	3.57E-03
550	564272.1	4191301	2.85E-02	4.47E-03	3.20E-03	1.94E-03
551	564280.2	4191288	2.61E-02	4.09E-03	2.93E-03	1.77E-03
552	564295.8	4191273	3.02E-02	4.73E-03	3.39E-03	2.05E-03
553	564310.7	4191270	4.85E-02	7.60E-03	5.44E-03	3.30E-03
554	564266.6	4191315	3.20E-02	5.01E-03	3.59E-03	2.17E-03
555	564263.9	4191332	3.76E-02	5.89E-03	4.22E-03	2.55E-03
556	564262.2	4191299	2.29E-02	3.58E-03	2.57E-03	1.55E-03
557	564270.4	4191286	2.13E-02	3.33E-03	2.39E-03	1.45E-03
558	564278.5	4191273	1.97E-02	3.08E-03	2.21E-03	1.34E-03
559	564256.8	4191314	0.02481389	3.89E-03	2.78E-03	1.69E-03
560	564254	4191330	0.02822884	4.42E-03	3.17E-03	1.92E-03
561	564252.4	4191298	0.01864484	2.92E-03	2.09E-03	1.27E-03
562	564260.5	4191285	0.01771558	2.78E-03	1.99E-03	1.20E-03
563	564268.6	4191272	0.01620337	2.54E-03	1.82E-03	1.10E-03
564	564314	4191250	0.0398872	6.25E-03	4.47E-03	2.71E-03
565	564246.9	4191312	0.01979621	3.10E-03	2.22E-03	1.34E-03
566	564244.1	4191328	0.02198031	3.44E-03	2.47E-03	1.49E-03

567	564242.5	4191296	0.01548052	2.43E-03	1.74E-03	1.05E-03
568	564250.6	4191283	0.01492795	2.34E-03	1.67E-03	1.01E-03
569	564258.8	4191270	0.01375589	2.15E-03	1.54E-03	9.34E-04
570	564278.5	4191249	0.01471137	2.30E-03	1.65E-03	9.99E-04
571	564293.4	4191245	0.02088784	3.27E-03	2.34E-03	1.42E-03
572	564308.3	4191242	0.03054805	4.79E-03	3.43E-03	2.07E-03
573	564237	4191310	0.016157	2.53E-03	1.81E-03	1.10E-03
574	564234.3	4191327	0.01761374	2.76E-03	1.98E-03	1.20E-03
575	564232.6	4191294	0.01304537	2.04E-03	1.46E-03	8.86E-04
576	564240.8	4191281	0.01275516	2.00E-03	1.43E-03	8.66E-04
577	564248.9	4191268	0.01189863	1.86E-03	1.33E-03	8.08E-04
578	564272.7	4191241	0.01215637	1.90E-03	1.36E-03	8.26E-04
579	564287.6	4191237	0.01667758	2.61E-03	1.87E-03	1.13E-03
580	564302.5	4191234	0.02393937	3.75E-03	2.69E-03	1.63E-03
581	564317.4	4191230	0.03254015	5.10E-03	3.65E-03	2.21E-03
582	564227.2	4191309	0.013439	2.11E-03	1.51E-03	9.13E-04
583	564224.4	4191325	0.01443826	2.26E-03	1.62E-03	9.81E-04
584	564222.8	4191292	0.01113884	1.74E-03	1.25E-03	7.57E-04
585	564230.9	4191280	0.01102258	1.73E-03	1.24E-03	7.49E-04
586	564239.1	4191267	0.01042089	1.63E-03	1.17E-03	7.08E-04
587	564255.4	4191241	0.009225735	1.45E-03	1.03E-03	6.27E-04
588	564266.9	4191233	0.01022689	1.60E-03	1.15E-03	6.95E-04
589	564281.8	4191229	0.013612	2.13E-03	1.53E-03	9.25E-04
590	564296.7	4191226	0.01913126	3.00E-03	2.15E-03	1.30E-03
591	564311.6	4191222	0.02590284	4.06E-03	2.91E-03	1.76E-03
592	564217.3	4191307	0.01135237	1.78E-03	1.27E-03	7.71E-04
593	564214.6	4191323	0.01205958	1.89E-03	1.35E-03	8.19E-04
594	564212.9	4191291	0.009615999	1.51E-03	1.08E-03	6.53E-04
595	564221.1	4191278	0.009602946	1.50E-03	1.08E-03	6.52E-04
596	564229.2	4191265	0.009195894	1.44E-03	1.03E-03	6.25E-04
597	564245.5	4191239	0.008081735	1.27E-03	9.07E-04	5.49E-04
598	564261.1	4191224	0.008734789	1.37E-03	9.80E-04	5.93E-04
599	564276	4191221	0.01129379	1.77E-03	1.27E-03	7.67E-04
600	564290.9	4191218	0.01545605	2.42E-03	1.73E-03	1.05E-03
601	564305.8	4191214	0.02083363	3.26E-03	2.34E-03	1.42E-03
602	564320.7	4191211	0.02623684	4.11E-03	2.94E-03	1.78E-03
603	564207.5	4191305	0.009719893	1.52E-03	1.09E-03	6.60E-04
604	564204.7	4191321	0.01023084	1.60E-03	1.15E-03	6.95E-04
605	564203.1	4191289	0.008381577	1.31E-03	9.40E-04	5.69E-04
606	564211.2	4191276	0.008435156	1.32E-03	9.46E-04	5.73E-04
607	564219.4	4191263	0.008157156	1.28E-03	9.15E-04	5.54E-04
608	564235.6	4191237	0.007190472	1.13E-03	8.07E-04	4.88E-04
609	564243.8	4191224	0.006929262	1.09E-03	7.77E-04	4.71E-04
610	564255.3	4191216	0.007557157	1.18E-03	8.48E-04	5.13E-04
611	564270.2	4191213	0.009534367	1.49E-03	1.07E-03	6.48E-04
612	564285.1	4191209	0.01273879	2.00E-03	1.43E-03	8.65E-04
613	564300	4191206	0.01700621	2.66E-03	1.91E-03	1.16E-03
614	564314.9	4191203	0.02155463	3.38E-03	2.42E-03	1.46E-03
615	564197.6	4191304	0.008433157	1.32E-03	9.46E-04	5.73E-04
616	564194.9	4191320	0.008834735	1.38E-03	9.91E-04	6.00E-04
617	564201.4	4191274	0.007464736	1.17E-03	8.37E-04	5.07E-04
618	564209.5	4191262	0.007280788	1.14E-03	8.17E-04	4.95E-04

619	564225.8	4191236	0.006473578	1.01E-03	7.26E-04	4.40E-04
620	564233.9	4191223	0.006168262	9.66E-04	6.92E-04	4.19E-04
621	564249.5	4191208	0.006611578	1.04E-03	7.42E-04	4.49E-04
622	564264.4	4191205	0.008182367	1.28E-03	9.18E-04	5.56E-04
623	564279.3	4191201	0.01068563	1.67E-03	1.20E-03	7.26E-04
624	564294.2	4191198	0.01405521	2.20E-03	1.58E-03	9.55E-04
625	564309.1	4191194	0.01792426	2.81E-03	2.01E-03	1.22E-03
626	564324	4191191	0.02149273	3.37E-03	2.41E-03	1.46E-03
627	564183.4	4191286	0.006528578	1.02E-03	7.32E-04	4.43E-04
628	564215.9	4191234	0.005878894	9.21E-04	6.59E-04	3.99E-04
629	564224.1	4191221	0.005585736	8.75E-04	6.27E-04	3.79E-04
630	564232.2	4191208	0.005430262	8.51E-04	6.09E-04	3.69E-04
631	564243.7	4191200	0.005838736	9.15E-04	6.55E-04	3.97E-04
632	564258.6	4191196	0.007096209	1.11E-03	7.96E-04	4.82E-04
633	564273.5	4191193	0.009091209	1.42E-03	1.02E-03	6.18E-04
634	564288.4	4191190	0.01186921	1.86E-03	1.33E-03	8.06E-04
635	564303.3	4191186	0.01513768	2.37E-03	1.70E-03	1.03E-03
636	564318.2	4191183	0.01830721	2.87E-03	2.05E-03	1.24E-03
637	564177.9	4191300	0.006531052	1.02E-03	7.33E-04	4.44E-04
638	564175.1	4191316	0.00679942	1.07E-03	7.63E-04	4.62E-04
639	564172.4	4191333	0.007201788	1.13E-03	8.08E-04	4.89E-04
640	564173.8	4191284	0.005830157	9.13E-04	6.54E-04	3.96E-04
641	564182.5	4191270	0.005959947	9.34E-04	6.69E-04	4.05E-04
642	564208.7	4191228	0.005277473	8.27E-04	5.92E-04	3.58E-04
643	564217.4	4191214	0.005018999	7.86E-04	5.63E-04	3.41E-04
644	564226.1	4191200	0.004877999	7.64E-04	5.47E-04	3.31E-04
645	564238.5	4191192	0.005226473	8.19E-04	5.86E-04	3.55E-04
646	564254.4	4191188	0.006339262	9.93E-04	7.11E-04	4.31E-04
647	564270.4	4191184	0.008171631	1.28E-03	9.17E-04	5.55E-04
648	564286.4	4191181	0.01077658	1.69E-03	1.21E-03	7.32E-04
649	564302.3	4191177	0.01380821	2.16E-03	1.55E-03	9.38E-04
650	564318.3	4191173	0.01669821	2.62E-03	1.87E-03	1.13E-03
651	564168.1	4191299	0.005813473	9.11E-04	6.52E-04	3.95E-04
652	564165.3	4191315	0.006015262	9.42E-04	6.75E-04	4.09E-04
653	564162.5	4191331	0.006351157	9.95E-04	7.12E-04	4.31E-04
654	564163.9	4191282	0.005255736	8.23E-04	5.90E-04	3.57E-04
655	564172.6	4191268	0.005372789	8.42E-04	6.03E-04	3.65E-04
656	564181.3	4191254	0.005324525	8.34E-04	5.97E-04	3.62E-04
657	564207.3	4191213	0.004611105	7.22E-04	5.17E-04	3.13E-04
658	564216	4191199	0.00445021	6.97E-04	4.99E-04	3.02E-04
659	564232.7	4191183	0.00468842	7.34E-04	5.26E-04	3.18E-04
660	564248.6	4191180	0.005583157	8.75E-04	6.26E-04	3.79E-04
661	564264.5	4191176	0.007043789	1.10E-03	7.90E-04	4.78E-04
662	564280.3	4191173	0.00919663	1.44E-03	1.03E-03	6.25E-04
663	564296.2	4191169	0.01179763	1.85E-03	1.32E-03	8.01E-04
664	564312.1	4191165	0.01437847	2.25E-03	1.61E-03	9.77E-04
665	564158.2	4191297	0.00521221	8.17E-04	5.85E-04	3.54E-04
666	564155.4	4191313	0.005360157	8.40E-04	6.01E-04	3.64E-04
667	564152.7	4191329	0.005642841	8.84E-04	6.33E-04	3.83E-04
668	564154	4191280	0.004761947	7.46E-04	5.34E-04	3.23E-04
669	564162.7	4191266	0.004886684	7.66E-04	5.48E-04	3.32E-04
670	564171.3	4191253	0.004856262	7.61E-04	5.45E-04	3.30E-04

671	564180	4191239	0.004692368	7.35E-04	5.26E-04	3.19E-04
672	564188.7	4191225	0.004462631	6.99E-04	5.01E-04	3.03E-04
673	564214.6	4191184	0.003990842	6.25E-04	4.48E-04	2.71E-04
674	564226.8	4191175	0.004233684	6.63E-04	4.75E-04	2.88E-04
675	564242.7	4191172	0.004967683	7.78E-04	5.57E-04	3.37E-04
676	564258.5	4191168	0.006140578	9.62E-04	6.89E-04	4.17E-04
677	564274.3	4191164	0.007912262	1.24E-03	8.88E-04	5.37E-04
678	564290.2	4191161	0.01014958	1.59E-03	1.14E-03	6.89E-04
679	564148.3	4191295	0.004702841	7.37E-04	5.28E-04	3.19E-04
680	564145.6	4191311	0.004810052	7.54E-04	5.40E-04	3.27E-04
681	564142.8	4191328	0.005047894	7.91E-04	5.66E-04	3.43E-04
682	564144.2	4191279	0.004334736	6.79E-04	4.86E-04	2.94E-04
683	564152.8	4191265	0.004462263	6.99E-04	5.01E-04	3.03E-04
684	564161.4	4191251	0.004460578	6.99E-04	5.00E-04	3.03E-04
685	564170	4191237	0.00432421	6.77E-04	4.85E-04	2.94E-04
686	564178.7	4191224	0.004122684	6.46E-04	4.62E-04	2.80E-04
687	564187.3	4191210	0.003927315	6.15E-04	4.41E-04	2.67E-04
688	564221	4191167	0.003840263	6.02E-04	4.31E-04	2.61E-04
689	564236.8	4191164	0.004462	6.99E-04	5.01E-04	3.03E-04
690	564252.6	4191160	0.005426104	8.50E-04	6.09E-04	3.69E-04
691	564268.4	4191156	0.006879104	1.08E-03	7.72E-04	4.67E-04
692	564299.9	4191149	0.0108311	1.70E-03	1.22E-03	7.36E-04
693	564315.7	4191146	0.01270058	1.99E-03	1.42E-03	8.63E-04
694	564331.5	4191142	0.01422916	2.23E-03	1.60E-03	9.67E-04
695	564138.5	4191294	0.004262789	6.68E-04	4.78E-04	2.90E-04
696	564135.7	4191310	0.004350842	6.82E-04	4.88E-04	2.96E-04
697	564132.9	4191326	0.004547947	7.12E-04	5.10E-04	3.09E-04
698	564134.3	4191277	0.003948473	6.19E-04	4.43E-04	2.68E-04
699	564142.9	4191263	0.004088526	6.40E-04	4.59E-04	2.78E-04
700	564151.5	4191250	0.004109157	6.44E-04	4.61E-04	2.79E-04
701	564160.1	4191236	0.004007736	6.28E-04	4.50E-04	2.72E-04
702	564168.7	4191222	0.003828315	6.00E-04	4.29E-04	2.60E-04
703	564177.3	4191209	0.003644526	5.71E-04	4.09E-04	2.48E-04
704	564185.9	4191195	0.00349842	5.48E-04	3.92E-04	2.38E-04
705	564194.5	4191181	0.003387842	5.31E-04	3.80E-04	2.30E-04
706	564215.2	4191159	0.003503368	5.49E-04	3.93E-04	2.38E-04
707	564231	4191155	0.004033105	6.32E-04	4.52E-04	2.74E-04
708	564246.7	4191152	0.004837894	7.58E-04	5.43E-04	3.29E-04
709	564278.1	4191145	0.007659736	1.20E-03	8.59E-04	5.20E-04
710	564293.9	4191141	0.009464473	1.48E-03	1.06E-03	6.43E-04
711	564309.6	4191137	0.01118	1.75E-03	1.25E-03	7.59E-04
712	564325.3	4191134	0.01263395	1.98E-03	1.42E-03	8.58E-04
713	564128.6	4191292	0.003877947	6.07E-04	4.35E-04	2.63E-04
714	564125.9	4191308	0.00395621	6.20E-04	4.44E-04	2.69E-04
715	564123.1	4191324	0.00412142	6.46E-04	4.62E-04	2.80E-04
716	564124.4	4191275	0.003609947	5.66E-04	4.05E-04	2.45E-04
717	564133	4191262	0.003745157	5.87E-04	4.20E-04	2.54E-04
718	564141.6	4191248	0.003792894	5.94E-04	4.25E-04	2.58E-04
719	564150.1	4191234	0.00372342	5.83E-04	4.18E-04	2.53E-04
720	564158.7	4191221	0.003569894	5.59E-04	4.00E-04	2.42E-04
721	564167.3	4191207	0.003396526	5.32E-04	3.81E-04	2.31E-04
722	564175.9	4191194	0.003254684	5.10E-04	3.65E-04	2.21E-04

723	564184.4	4191180	0.003148789	4.93E-04	3.53E-04	2.14E-04
724	564193	4191166	0.003074684	4.82E-04	3.45E-04	2.09E-04
725	564256.5	4191140	0.005348052	8.38E-04	6.00E-04	3.63E-04
726	564272.2	4191137	0.006717104	1.05E-03	7.54E-04	4.56E-04
727	564287.8	4191133	0.00831084	1.30E-03	9.32E-04	5.65E-04
728	564303.5	4191129	0.00987542	1.55E-03	1.11E-03	6.71E-04
729	564319.2	4191126	0.0112471	1.76E-03	1.26E-03	7.64E-04
730	564334.9	4191122	0.01229847	1.93E-03	1.38E-03	8.35E-04
731	564118.8	4191290	0.003541789	5.55E-04	3.97E-04	2.41E-04
732	564116	4191306	0.003612473	5.66E-04	4.05E-04	2.45E-04
733	564113.2	4191322	0.003754947	5.88E-04	4.21E-04	2.55E-04
734	564114.6	4191274	0.003313579	5.19E-04	3.72E-04	2.25E-04
735	564123.1	4191260	0.003442737	5.39E-04	3.86E-04	2.34E-04
736	564131.7	4191246	0.003499894	5.48E-04	3.93E-04	2.38E-04
737	564140.2	4191233	0.003462421	5.42E-04	3.88E-04	2.35E-04
738	564148.8	4191219	0.003334894	5.22E-04	3.74E-04	2.27E-04
739	564157.3	4191206	0.003175473	4.97E-04	3.56E-04	2.16E-04
740	564165.9	4191192	0.003038842	4.76E-04	3.41E-04	2.06E-04
741	564174.4	4191178	0.002939316	4.60E-04	3.30E-04	2.00E-04
742	564183	4191165	0.002865263	4.49E-04	3.21E-04	1.95E-04
743	564191.5	4191151	0.002819894	4.42E-04	3.16E-04	1.92E-04
744	564234.9	4191136	0.003923157	6.15E-04	4.40E-04	2.66E-04
745	564250.5	4191132	0.004766473	7.47E-04	5.35E-04	3.24E-04
746	564266.2	4191128	0.005925789	9.28E-04	6.65E-04	4.03E-04
747	564281.8	4191125	0.007329736	1.15E-03	8.22E-04	4.98E-04
748	564297.5	4191121	0.008753736	1.37E-03	9.82E-04	5.95E-04
749	564313.1	4191118	0.01003742	1.57E-03	1.13E-03	6.82E-04
750	564328.8	4191114	0.01107379	1.73E-03	1.24E-03	7.52E-04
751	564108.9	4191288	0.003251842	5.09E-04	3.65E-04	2.21E-04
752	564106.1	4191305	0.003309684	5.18E-04	3.71E-04	2.25E-04
753	564103.4	4191321	0.003428631	5.37E-04	3.85E-04	2.33E-04
754	564104.7	4191272	0.003061579	4.80E-04	3.43E-04	2.08E-04
755	564113.2	4191258	0.003175473	4.97E-04	3.56E-04	2.16E-04
756	564121.8	4191245	0.003238526	5.07E-04	3.63E-04	2.20E-04
757	564130.3	4191231	0.003219	5.04E-04	3.61E-04	2.19E-04
758	564138.8	4191218	0.003119052	4.89E-04	3.50E-04	2.12E-04
759	564147.4	4191204	0.00297521	4.66E-04	3.34E-04	2.02E-04
760	564155.9	4191191	0.002846263	4.46E-04	3.19E-04	1.93E-04
761	564164.4	4191177	0.002749157	4.31E-04	3.08E-04	1.87E-04
762	564172.9	4191163	0.002679999	4.20E-04	3.01E-04	1.82E-04
763	564181.5	4191150	0.002625579	4.11E-04	2.95E-04	1.78E-04
764	564213.4	4191131	0.003062578	4.80E-04	3.44E-04	2.08E-04
765	564229	4191127	0.00354921	5.56E-04	3.98E-04	2.41E-04
766	564244.6	4191124	0.004267158	6.68E-04	4.79E-04	2.90E-04
767	564260.3	4191120	0.005263157	8.24E-04	5.90E-04	3.58E-04
768	564275.9	4191117	0.006492052	1.02E-03	7.28E-04	4.41E-04
769	564291.5	4191113	0.007784209	1.22E-03	8.73E-04	5.29E-04
770	564307.1	4191110	0.008980473	1.41E-03	1.01E-03	6.10E-04
771	564322.7	4191106	0.009997788	1.57E-03	1.12E-03	6.79E-04
772	564338.3	4191102	0.01069421	1.68E-03	1.20E-03	7.26E-04
773	564099.1	4191287	0.003001368	4.70E-04	3.37E-04	2.04E-04
774	564096.3	4191303	0.003044263	4.77E-04	3.42E-04	2.07E-04

775	564093.5	4191319	0.003143894	4.93E-04	3.53E-04	2.14E-04
776	564094.8	4191270	0.002838631	4.45E-04	3.18E-04	1.93E-04
777	564103.4	4191257	0.002947631	4.62E-04	3.31E-04	2.00E-04
778	564111.9	4191243	0.003005157	4.71E-04	3.37E-04	2.04E-04
779	564120.4	4191230	0.00299921	4.70E-04	3.36E-04	2.04E-04
780	564128.9	4191216	0.002921157	4.58E-04	3.28E-04	1.98E-04
781	564137.4	4191203	0.002796684	4.38E-04	3.14E-04	1.90E-04
782	564145.9	4191189	0.002672684	4.19E-04	3.00E-04	1.82E-04
783	564154.4	4191176	0.002578947	4.04E-04	2.89E-04	1.75E-04
784	564162.9	4191162	0.002509105	3.93E-04	2.81E-04	1.70E-04
785	564171.4	4191148	0.002454789	3.85E-04	2.75E-04	1.67E-04
786	564192	4191126	0.002533842	3.97E-04	2.84E-04	1.72E-04
787	564223.2	4191119	0.003231789	5.06E-04	3.63E-04	2.20E-04
788	564238.7	4191116	0.003838683	6.01E-04	4.31E-04	2.61E-04
789	564254.3	4191112	0.004696736	7.36E-04	5.27E-04	3.19E-04
790	564269.9	4191109	0.00577542	9.05E-04	6.48E-04	3.92E-04
791	564285.5	4191105	0.006937894	1.09E-03	7.78E-04	4.71E-04
792	564301.1	4191101	0.008028683	1.26E-03	9.01E-04	5.45E-04
793	564316.6	4191098	0.008978841	1.41E-03	1.01E-03	6.10E-04
794	564332.2	4191094	0.009721104	1.52E-03	1.09E-03	6.60E-04
795	564089.2	4191285	0.00278021	4.36E-04	3.12E-04	1.89E-04
796	564086.4	4191301	0.002811105	4.40E-04	3.15E-04	1.91E-04
797	564083.7	4191317	0.002893789	4.53E-04	3.25E-04	1.97E-04
798	564085	4191269	0.00263921	4.13E-04	2.96E-04	1.79E-04
799	564093.5	4191255	0.002742157	4.30E-04	3.08E-04	1.86E-04
800	564102	4191242	0.002799263	4.39E-04	3.14E-04	1.90E-04
801	564110.5	4191228	0.002800526	4.39E-04	3.14E-04	1.90E-04
802	564119	4191215	0.002742	4.30E-04	3.08E-04	1.86E-04
803	564127.5	4191201	0.002637	4.13E-04	2.96E-04	1.79E-04
804	564135.9	4191188	0.002520947	3.95E-04	2.83E-04	1.71E-04
805	564144.4	4191174	0.002426	3.80E-04	2.72E-04	1.65E-04
806	564152.9	4191161	0.002357368	3.69E-04	2.64E-04	1.60E-04
807	564161.4	4191147	0.002304631	3.61E-04	2.59E-04	1.57E-04
808	564186.2	4191118	0.002357368	3.69E-04	2.64E-04	1.60E-04
809	564217.3	4191111	0.002961315	4.64E-04	3.32E-04	2.01E-04
810	564232.9	4191108	0.003469737	5.44E-04	3.89E-04	2.36E-04
811	564248.4	4191104	0.004211421	6.60E-04	4.72E-04	2.86E-04
812	564264	4191100	0.005158578	8.08E-04	5.79E-04	3.50E-04
813	564279.5	4191097	0.006193736	9.70E-04	6.95E-04	4.21E-04
814	564295.1	4191093	0.007183473	1.13E-03	8.06E-04	4.88E-04
815	564310.6	4191090	0.00807863	1.27E-03	9.06E-04	5.49E-04
816	564326.1	4191086	0.00882563	1.38E-03	9.90E-04	5.99E-04
817	564341.7	4191083	0.009390893	1.47E-03	1.05E-03	6.38E-04
818	564079.3	4191283	0.00258	4.04E-04	2.89E-04	1.75E-04
819	564076.6	4191300	0.002604368	4.08E-04	2.92E-04	1.77E-04
820	564073.8	4191316	0.002680158	4.20E-04	3.01E-04	1.82E-04
821	564075.1	4191267	0.002453736	3.84E-04	2.75E-04	1.67E-04
822	564083.6	4191253	0.002556	4.00E-04	2.87E-04	1.74E-04
823	564092.1	4191240	0.002612473	4.09E-04	2.93E-04	1.77E-04
824	564100.6	4191226	0.002619473	4.10E-04	2.94E-04	1.78E-04
825	564109	4191213	0.002577368	4.04E-04	2.89E-04	1.75E-04
826	564117.5	4191199	0.002491473	3.90E-04	2.79E-04	1.69E-04

827	564126	4191186	0.002383368	3.73E-04	2.67E-04	1.62E-04
828	564134.5	4191173	0.002289473	3.59E-04	2.57E-04	1.56E-04
829	564143	4191159	0.00222121	3.48E-04	2.49E-04	1.51E-04
830	564151.4	4191146	0.002171052	3.40E-04	2.44E-04	1.47E-04
831	564168.4	4191119	0.002112105	3.31E-04	2.37E-04	1.43E-04
832	564180.4	4191110	0.002199368	3.45E-04	2.47E-04	1.49E-04
833	564195.9	4191107	0.002422894	3.80E-04	2.72E-04	1.65E-04
834	564227	4191099	0.003165526	4.96E-04	3.55E-04	2.15E-04
835	564242.5	4191096	0.003798684	5.95E-04	4.26E-04	2.58E-04
836	564258	4191092	0.004628052	7.25E-04	5.19E-04	3.14E-04
837	564273.5	4191089	0.005556105	8.70E-04	6.23E-04	3.77E-04
838	564289.1	4191085	0.006455683	1.01E-03	7.24E-04	4.39E-04
839	564304.6	4191082	0.00728442	1.14E-03	8.17E-04	4.95E-04
840	564320.1	4191078	0.008006841	1.25E-03	8.98E-04	5.44E-04
841	564335.6	4191075	0.008601051	1.35E-03	9.65E-04	5.84E-04
842	564069.5	4191282	0.002396789	3.75E-04	2.69E-04	1.63E-04
843	564066.7	4191298	0.002419473	3.79E-04	2.71E-04	1.64E-04
844	564064	4191314	0.002489684	3.90E-04	2.79E-04	1.69E-04
845	564065.2	4191265	0.002286	3.58E-04	2.56E-04	1.55E-04
846	564073.7	4191252	0.002382315	3.73E-04	2.67E-04	1.62E-04
847	564082.2	4191238	0.002442579	3.83E-04	2.74E-04	1.66E-04
848	564090.6	4191225	0.002454684	3.85E-04	2.75E-04	1.67E-04
849	564099.1	4191211	0.002424579	3.80E-04	2.72E-04	1.65E-04
850	564107.6	4191198	0.002354473	3.69E-04	2.64E-04	1.60E-04
851	564116.1	4191184	0.002257158	3.54E-04	2.53E-04	1.53E-04
852	564124.5	4191171	0.002165052	3.39E-04	2.43E-04	1.47E-04
853	564133	4191158	0.002097368	3.29E-04	2.35E-04	1.42E-04
854	564141.5	4191144	0.00205021	3.21E-04	2.30E-04	1.39E-04
855	564158.4	4191117	0.001985789	3.11E-04	2.23E-04	1.35E-04
856	564174.6	4191102	0.002057316	3.22E-04	2.31E-04	1.40E-04
857	564190.1	4191098	0.002252684	3.53E-04	2.53E-04	1.53E-04
858	564221.1	4191091	0.002899105	4.54E-04	3.25E-04	1.97E-04
859	564236.6	4191088	0.003444052	5.40E-04	3.86E-04	2.34E-04
860	564252.1	4191084	0.004169105	6.53E-04	4.68E-04	2.83E-04
861	564267.6	4191081	0.005009157	7.85E-04	5.62E-04	3.40E-04
862	564283.1	4191077	0.005829947	9.13E-04	6.54E-04	3.96E-04
863	564298.6	4191074	0.006592683	1.03E-03	7.40E-04	4.48E-04
864	564314.1	4191070	0.007299472	1.14E-03	8.19E-04	4.96E-04
865	564059.6	4191280	0.002232368	3.50E-04	2.50E-04	1.52E-04
866	564056.9	4191296	0.002253052	3.53E-04	2.53E-04	1.53E-04
867	564054.1	4191312	0.002318579	3.63E-04	2.60E-04	1.57E-04
868	564055.4	4191264	0.00213521	3.34E-04	2.40E-04	1.45E-04
869	564063.8	4191250	0.002226105	3.49E-04	2.50E-04	1.51E-04
870	564072.3	4191237	0.002289315	3.59E-04	2.57E-04	1.56E-04
871	564080.7	4191223	0.002306052	3.61E-04	2.59E-04	1.57E-04
872	564089.2	4191210	0.002284421	3.58E-04	2.56E-04	1.55E-04
873	564097.7	4191196	0.002225368	3.49E-04	2.50E-04	1.51E-04
874	564106.1	4191183	0.002139947	3.35E-04	2.40E-04	1.45E-04
875	564114.6	4191169	0.002050842	3.21E-04	2.30E-04	1.39E-04
876	564123	4191156	0.001984895	3.11E-04	2.23E-04	1.35E-04
877	564131.5	4191143	0.001937526	3.04E-04	2.17E-04	1.32E-04
878	564148.4	4191116	0.001872263	2.93E-04	2.10E-04	1.27E-04

879	564156.8	4191102	0.001857737	2.91E-04	2.08E-04	1.26E-04
880	564168.8	4191094	0.001929684	3.02E-04	2.16E-04	1.31E-04
881	564184.3	4191090	0.002102789	3.29E-04	2.36E-04	1.43E-04
882	564199.8	4191087	0.002333368	3.66E-04	2.62E-04	1.58E-04
883	564230.7	4191080	0.003137421	4.91E-04	3.52E-04	2.13E-04
884	564246.2	4191076	0.003771999	5.91E-04	4.23E-04	2.56E-04
885	564261.7	4191073	0.004531157	7.10E-04	5.08E-04	3.08E-04
886	564277.1	4191069	0.005296473	8.30E-04	5.94E-04	3.60E-04
887	564292.6	4191065	0.00600242	9.40E-04	6.73E-04	4.08E-04
888	564339	4191055	0.007717788	1.21E-03	8.66E-04	5.24E-04
889	564049.8	4191278	0.002086263	3.27E-04	2.34E-04	1.42E-04
890	564047	4191294	0.002104736	3.30E-04	2.36E-04	1.43E-04
891	564044.2	4191311	0.002160894	3.39E-04	2.42E-04	1.47E-04
892	564045.5	4191262	0.001999368	3.13E-04	2.24E-04	1.36E-04
893	564054	4191248	0.002085526	3.27E-04	2.34E-04	1.42E-04
894	564062.4	4191235	0.002150631	3.37E-04	2.41E-04	1.46E-04
895	564070.9	4191222	0.002174052	3.41E-04	2.44E-04	1.48E-04
896	564079.3	4191208	0.002156789	3.38E-04	2.42E-04	1.46E-04
897	564087.7	4191195	0.002106684	3.30E-04	2.36E-04	1.43E-04
898	564096.2	4191181	0.002032315	3.18E-04	2.28E-04	1.38E-04
899	564104.6	4191168	0.001950789	3.06E-04	2.19E-04	1.33E-04
900	564113.1	4191155	0.001882631	2.95E-04	2.11E-04	1.28E-04
901	564121.5	4191141	0.001835315	2.88E-04	2.06E-04	1.25E-04
902	564138.4	4191114	0.001770789	2.77E-04	1.99E-04	1.20E-04
903	564146.8	4191101	0.001751894	2.74E-04	1.97E-04	1.19E-04
904	564163	4191086	0.001813842	2.84E-04	2.03E-04	1.23E-04
905	564178.5	4191082	0.001969894	3.09E-04	2.21E-04	1.34E-04
906	564193.9	4191079	0.002171052	3.40E-04	2.44E-04	1.47E-04
907	564224.8	4191072	0.002870315	4.50E-04	3.22E-04	1.95E-04
908	564240.3	4191068	0.003426	5.37E-04	3.84E-04	2.33E-04
909	564255.7	4191064	0.004103946	6.43E-04	4.60E-04	2.79E-04
910	564271.2	4191061	0.004822368	7.55E-04	5.41E-04	3.28E-04
911	564317.5	4191050	0.006667368	1.04E-03	7.48E-04	4.53E-04
912	564333	4191047	0.007133894	1.12E-03	8.00E-04	4.85E-04
913	564348.5	4191043	0.007477209	1.17E-03	8.39E-04	5.08E-04
914	564039.9	4191277	0.001956368	3.06E-04	2.19E-04	1.33E-04
915	564037.1	4191293	0.001972316	3.09E-04	2.21E-04	1.34E-04
916	564034.4	4191309	0.002019473	3.16E-04	2.27E-04	1.37E-04
917	564035.7	4191260	0.001875947	2.94E-04	2.10E-04	1.27E-04
918	564044.1	4191247	0.001956684	3.07E-04	2.20E-04	1.33E-04
919	564052.5	4191233	0.002023894	3.17E-04	2.27E-04	1.37E-04
920	564061	4191220	0.002052	3.21E-04	2.30E-04	1.39E-04
921	564069.4	4191207	0.002039894	3.20E-04	2.29E-04	1.39E-04
922	564077.8	4191193	0.001996789	3.13E-04	2.24E-04	1.36E-04
923	564086.3	4191180	0.001933579	3.03E-04	2.17E-04	1.31E-04
924	564094.7	4191166	0.001859737	2.91E-04	2.09E-04	1.26E-04
925	564103.1	4191153	0.001792052	2.81E-04	2.01E-04	1.22E-04
926	564111.6	4191140	0.001742052	2.73E-04	1.95E-04	1.18E-04
927	564128.4	4191113	0.001679842	2.63E-04	1.88E-04	1.14E-04
928	564136.9	4191099	0.00165921	2.60E-04	1.86E-04	1.13E-04
929	564145.3	4191086	0.001649315	2.58E-04	1.85E-04	1.12E-04
930	564157.2	4191077	0.001708579	2.68E-04	1.92E-04	1.16E-04

931	564172.7	4191074	0.001851315	2.90E-04	2.08E-04	1.26E-04
932	564188.1	4191070	0.00203021	3.18E-04	2.28E-04	1.38E-04
933	564203.5	4191067	0.002277052	3.57E-04	2.55E-04	1.55E-04
934	564234.4	4191060	0.003124052	4.89E-04	3.50E-04	2.12E-04
935	564249.8	4191056	0.003729105	5.84E-04	4.18E-04	2.53E-04
936	564280.7	4191049	0.005029105	7.88E-04	5.64E-04	3.42E-04
937	564296.1	4191046	0.005601999	8.78E-04	6.28E-04	3.81E-04
938	564311.6	4191042	0.006138736	9.62E-04	6.89E-04	4.17E-04
939	564327	4191039	0.006594841	1.03E-03	7.40E-04	4.48E-04
940	564342.4	4191035	0.006938578	1.09E-03	7.78E-04	4.71E-04
941	564030.1	4191275	0.001838	2.88E-04	2.06E-04	1.25E-04
942	564027.3	4191291	0.001852895	2.90E-04	2.08E-04	1.26E-04
943	564024.5	4191307	0.001892368	2.96E-04	2.12E-04	1.29E-04
944	564025.9	4191258	0.001764316	2.76E-04	1.98E-04	1.20E-04
945	564034.7	4191244	0.001843105	2.89E-04	2.07E-04	1.25E-04
946	564043.4	4191231	0.001909052	2.99E-04	2.14E-04	1.30E-04
947	564052.1	4191217	0.001939368	3.04E-04	2.18E-04	1.32E-04
948	564060.8	4191203	0.001926894	3.02E-04	2.16E-04	1.31E-04
949	564069.6	4191189	0.001885842	2.95E-04	2.12E-04	1.28E-04
950	564078.3	4191175	0.001825737	2.86E-04	2.05E-04	1.24E-04
951	564087	4191161	0.001756158	2.75E-04	1.97E-04	1.19E-04
952	564095.7	4191147	0.001690789	2.65E-04	1.90E-04	1.15E-04
953	564104.5	4191133	0.001643684	2.57E-04	1.84E-04	1.12E-04
954	564121.9	4191106	0.001587737	2.49E-04	1.78E-04	1.08E-04
955	564130.6	4191092	0.001568263	2.46E-04	1.76E-04	1.07E-04
956	564139.4	4191078	0.001558684	2.44E-04	1.75E-04	1.06E-04
957	564151.7	4191069	0.001614789	2.53E-04	1.81E-04	1.10E-04
958	564167.7	4191066	0.001749579	2.74E-04	1.96E-04	1.19E-04
959	564183.6	4191062	0.001921105	3.01E-04	2.16E-04	1.30E-04
960	564199.6	4191058	0.002154947	3.38E-04	2.42E-04	1.46E-04
961	564263.5	4191044	0.00417542	6.54E-04	4.68E-04	2.84E-04
962	564279.4	4191040	0.00477621	7.48E-04	5.36E-04	3.24E-04
963	564295.4	4191036	0.005326894	8.34E-04	5.98E-04	3.62E-04
964	564311.4	4191033	0.005835841	9.14E-04	6.55E-04	3.96E-04
965	564327.3	4191029	0.006262262	9.81E-04	7.02E-04	4.25E-04
966	564343.3	4191025	0.00656642	1.03E-03	7.37E-04	4.46E-04
967	564020.2	4191273	0.001729631	2.71E-04	1.94E-04	1.17E-04
968	564017.4	4191289	0.001742421	2.73E-04	1.95E-04	1.18E-04
969	564014.7	4191306	0.001778421	2.79E-04	2.00E-04	1.21E-04
970	564016.1	4191257	0.001664263	2.61E-04	1.87E-04	1.13E-04
971	564024.8	4191243	0.001735316	2.72E-04	1.95E-04	1.18E-04
972	564033.5	4191229	0.001799263	2.82E-04	2.02E-04	1.22E-04
973	564042.2	4191215	0.001833421	2.87E-04	2.06E-04	1.25E-04
974	564050.9	4191201	0.001827421	2.86E-04	2.05E-04	1.24E-04
975	564059.6	4191187	0.001792947	2.81E-04	2.01E-04	1.22E-04
976	564068.3	4191174	0.001740052	2.73E-04	1.95E-04	1.18E-04
977	564077	4191160	0.001676684	2.63E-04	1.88E-04	1.14E-04
978	564085.7	4191146	0.001613368	2.53E-04	1.81E-04	1.10E-04
979	564094.4	4191132	0.001565737	2.45E-04	1.76E-04	1.06E-04
980	564111.8	4191104	0.001511789	2.37E-04	1.70E-04	1.03E-04
981	564120.5	4191091	0.001490684	2.34E-04	1.67E-04	1.01E-04
982	564129.2	4191077	0.001477684	2.31E-04	1.66E-04	1.00E-04

983	564145.9	4191061	0.001526842	2.39E-04	1.71E-04	1.04E-04
984	564161.8	4191057	0.001648947	2.58E-04	1.85E-04	1.12E-04
985	564177.8	4191054	0.00180521	2.83E-04	2.03E-04	1.23E-04
986	564193.7	4191050	0.002011842	3.15E-04	2.26E-04	1.37E-04
987	564225.5	4191043	0.002711684	4.25E-04	3.04E-04	1.84E-04
988	564241.5	4191039	0.003223421	5.05E-04	3.62E-04	2.19E-04
989	564257.4	4191036	0.003798526	5.95E-04	4.26E-04	2.58E-04
990	564273.3	4191032	0.004371684	6.85E-04	4.90E-04	2.97E-04
991	564289.3	4191028	0.004902894	7.68E-04	5.50E-04	3.33E-04
992	564305.2	4191025	0.005387841	8.44E-04	6.04E-04	3.66E-04
993	564321.1	4191021	0.00581121	9.10E-04	6.52E-04	3.95E-04
994	564337	4191017	0.006119789	9.59E-04	6.87E-04	4.16E-04
995	564353	4191014	0.00632742	9.91E-04	7.10E-04	4.30E-04
996	564010.3	4191272	0.001630316	2.55E-04	1.83E-04	1.11E-04
997	564007.6	4191288	0.001640105	2.57E-04	1.84E-04	1.11E-04
998	564004.8	4191304	0.001674684	2.62E-04	1.88E-04	1.14E-04
999	564300.7	4191372	0.2592629	4.06E-02	2.91E-02	1.76E-02
1000	564317.2	4191377	0.3615058	5.66E-02	4.06E-02	2.46E-02
1001	564327	4191379	0.3725572	5.84E-02	4.18E-02	2.53E-02
1002	564336.9	4191381	0.3343318	5.24E-02	3.75E-02	2.27E-02
1003	564299.2	4191382	0.1990069	3.12E-02	2.23E-02	1.35E-02
1004	564284.3	4191366	0.1287638	2.02E-02	1.44E-02	8.75E-03
1005	564315.7	4191387	0.2364443	3.70E-02	2.65E-02	1.61E-02
1006	564325.5	4191389	0.2374398	3.72E-02	2.66E-02	1.61E-02
1007	564335.4	4191390	0.2184996	3.42E-02	2.45E-02	1.48E-02
1008	564297.7	4191392	0.1522825	2.39E-02	1.71E-02	1.03E-02
1009	564284.5	4191384	0.1214711	1.90E-02	1.36E-02	8.25E-03
1010	564276.2	4191372	0.0948711	1.49E-02	1.06E-02	6.44E-03
1011	564314.1	4191397	0.1650775	2.59E-02	1.85E-02	1.12E-02
1012	564324	4191399	0.1637999	2.57E-02	1.84E-02	1.11E-02
1013	564333.9	4191400	0.153174	2.40E-02	1.72E-02	1.04E-02
1014	564294.5	4191401	0.1174108	1.84E-02	1.32E-02	7.98E-03
1015	564286.3	4191396	0.1092274	1.71E-02	1.23E-02	7.42E-03
1016	564278	4191390	0.09425572	1.48E-02	1.06E-02	6.40E-03
1017	564267.6	4191376	0.07161504	1.12E-02	8.03E-03	4.86E-03
1018	564265.4	4191367	0.06338325	9.93E-03	7.11E-03	4.31E-03
1019	564302.8	4191406	0.1168622	1.83E-02	1.31E-02	7.94E-03
1020	564312.6	4191407	0.1214432	1.90E-02	1.36E-02	8.25E-03
1021	564322.5	4191409	0.119778	1.88E-02	1.34E-02	8.14E-03
1022	564332.3	4191410	0.1133518	1.78E-02	1.27E-02	7.70E-03
1023	564293.3	4191411	0.09335215	1.46E-02	1.05E-02	6.34E-03
1024	564285.4	4191406	0.09070083	1.42E-02	1.02E-02	6.16E-03
1025	564277.5	4191401	0.08322304	1.30E-02	9.34E-03	5.65E-03
1026	564269.6	4191396	0.07250252	1.14E-02	8.13E-03	4.92E-03
1027	564259.6	4191382	0.05745004	9.00E-03	6.44E-03	3.90E-03
1028	564257.5	4191373	0.05210652	8.16E-03	5.85E-03	3.54E-03
1029	564255.4	4191364	0.04553668	7.13E-03	5.11E-03	3.09E-03
1030	564301.3	4191416	0.09124104	1.43E-02	1.02E-02	6.20E-03
1031	564311.1	4191417	0.09327309	1.46E-02	1.05E-02	6.34E-03
1032	564321	4191419	0.09172557	1.44E-02	1.03E-02	6.23E-03
1033	564330.8	4191420	0.08746178	1.37E-02	9.81E-03	5.94E-03
1034	564292	4191421	0.07549094	1.18E-02	8.47E-03	5.13E-03

1035	564284.4	4191416	0.07512914	1.18E-02	8.43E-03	5.10E-03
1036	564276.7	4191411	0.07171678	1.12E-02	8.05E-03	4.87E-03
1037	564269	4191407	0.06553289	1.03E-02	7.35E-03	4.45E-03
1038	564261.3	4191402	0.05765846	9.03E-03	6.47E-03	3.92E-03
1039	564251.5	4191388	0.04710315	7.38E-03	5.28E-03	3.20E-03
1040	564247.5	4191371	0.03896157	6.10E-03	4.37E-03	2.65E-03
1041	564299.7	4191425	0.07306304	1.14E-02	8.20E-03	4.96E-03
1042	564309.6	4191427	0.07390478	1.16E-02	8.29E-03	5.02E-03
1043	564319.4	4191428	0.07251883	1.14E-02	8.14E-03	4.93E-03
1044	564329.3	4191430	0.06952894	1.09E-02	7.80E-03	4.72E-03
1045	564290.7	4191431	0.06206257	9.72E-03	6.96E-03	4.22E-03
1046	564275.6	4191421	0.06132494	9.61E-03	6.88E-03	4.17E-03
1047	564260.5	4191412	0.05298636	8.30E-03	5.94E-03	3.60E-03
1048	564243.5	4191394	0.03927215	6.15E-03	4.41E-03	2.67E-03
1049	564239.5	4191377	0.03359326	5.26E-03	3.77E-03	2.28E-03
1050	564235.5	4191360	0.02612931	4.09E-03	2.93E-03	1.77E-03
1051	564308.1	4191437	0.05999278	9.40E-03	6.73E-03	4.08E-03
1052	564317.9	4191438	0.0588221	9.21E-03	6.60E-03	4.00E-03
1053	564327.8	4191440	0.05664352	8.87E-03	6.35E-03	3.85E-03
1054	564288.2	4191440	0.05199489	8.15E-03	5.83E-03	3.53E-03
1055	564279.7	4191435	0.05285442	8.28E-03	5.93E-03	3.59E-03
1056	564271.3	4191430	0.05195504	8.14E-03	5.83E-03	3.53E-03
1057	564262.8	4191424	0.04927452	7.72E-03	5.53E-03	3.35E-03
1058	564254.3	4191419	0.044999	7.05E-03	5.05E-03	3.06E-03
1059	564245.8	4191414	0.03984278	6.24E-03	4.47E-03	2.71E-03
1060	564235.1	4191399	0.03300357	5.17E-03	3.70E-03	2.24E-03
1061	564232.9	4191389	0.03080931	4.83E-03	3.46E-03	2.09E-03
1062	564230.6	4191380	0.02798342	4.38E-03	3.14E-03	1.90E-03
1063	564228.4	4191370	0.02472531	3.87E-03	2.77E-03	1.68E-03
1064	564226.1	4191360	0.02141158	3.35E-03	2.40E-03	1.45E-03
1065	564296.7	4191445	0.04963299	7.78E-03	5.57E-03	3.37E-03
1066	564306.6	4191447	0.04959978	7.77E-03	5.56E-03	3.37E-03
1067	564316.4	4191448	0.04867578	7.63E-03	5.46E-03	3.31E-03
1068	564326.3	4191450	0.04707468	7.37E-03	5.28E-03	3.20E-03
1069	564286.9	4191450	0.0439011	6.88E-03	4.92E-03	2.98E-03
1070	564278.7	4191445	0.04505052	7.06E-03	5.05E-03	3.06E-03
1071	564270.5	4191440	0.04501468	7.05E-03	5.05E-03	3.06E-03
1072	564262.2	4191435	0.04369437	6.84E-03	4.90E-03	2.97E-03
1073	564254	4191430	0.04117521	6.45E-03	4.62E-03	2.80E-03
1074	564245.7	4191425	0.03766747	5.90E-03	4.23E-03	2.56E-03
1075	564237.5	4191420	0.03363068	5.27E-03	3.77E-03	2.28E-03
1076	564227.1	4191405	0.02831952	4.44E-03	3.18E-03	1.92E-03
1077	564224.9	4191396	0.02669573	4.18E-03	2.99E-03	1.81E-03
1078	564222.7	4191386	0.02461689	3.86E-03	2.76E-03	1.67E-03
1079	564220.5	4191377	0.02223642	3.48E-03	2.49E-03	1.51E-03
1080	564218.3	4191368	0.01965894	3.08E-03	2.21E-03	1.34E-03
1081	564216.2	4191358	0.01717458	2.69E-03	1.93E-03	1.17E-03
1082	564261.4	4191445	0.03861158	6.05E-03	4.33E-03	2.62E-03
1083	564253.4	4191440	0.03718168	5.82E-03	4.17E-03	2.53E-03
1084	564245.3	4191435	0.03492084	5.47E-03	3.92E-03	2.37E-03
1085	564237.2	4191430	0.03203147	5.02E-03	3.59E-03	2.18E-03
1086	564229.2	4191425	0.02881457	4.51E-03	3.23E-03	1.96E-03

1087	564219	4191411	0.02462257	3.86E-03	2.76E-03	1.67E-03
1088	564216.9	4191402	0.02334336	3.66E-03	2.62E-03	1.59E-03
1089	564214.7	4191393	0.02177447	3.41E-03	2.44E-03	1.48E-03
1090	564212.6	4191384	0.01995879	3.13E-03	2.24E-03	1.36E-03
1091	564210.5	4191374	0.01799352	2.82E-03	2.02E-03	1.22E-03
1092	564208.3	4191365	0.01596968	2.50E-03	1.79E-03	1.08E-03
1093	564206.2	4191356	0.01407163	2.20E-03	1.58E-03	9.56E-04
1094	564236.8	4191441	0.02997468	4.70E-03	3.36E-03	2.04E-03
1095	564228.8	4191436	0.0276001	4.32E-03	3.10E-03	1.87E-03
1096	564220.9	4191431	0.02499526	3.92E-03	2.80E-03	1.70E-03
1097	564210.9	4191417	0.02162595	3.39E-03	2.43E-03	1.47E-03
1098	564208.8	4191408	0.02059921	3.23E-03	2.31E-03	1.40E-03
1099	564206.7	4191399	0.01937142	3.03E-03	2.17E-03	1.32E-03
1100	564204.6	4191390	0.01795779	2.81E-03	2.01E-03	1.22E-03
1101	564202.5	4191381	0.0164231	2.57E-03	1.84E-03	1.12E-03
1102	564200.5	4191372	0.014813	2.32E-03	1.66E-03	1.01E-03
1103	564198.4	4191363	0.01322763	2.07E-03	1.48E-03	8.98E-04
1104	564196.3	4191354	0.01177274	1.84E-03	1.32E-03	8.00E-04
1105	564292.1	4191475	0.03090673	4.84E-03	3.47E-03	2.10E-03
1106	564302	4191476	0.03067136	4.80E-03	3.44E-03	2.08E-03
1107	564311.9	4191478	0.03013447	4.72E-03	3.38E-03	2.05E-03
1108	564321.7	4191479	0.02936415	4.60E-03	3.29E-03	1.99E-03
1109	564267.2	4191470	0.03004026	4.71E-03	3.37E-03	2.04E-03
1110	564259.5	4191466	0.03023842	4.74E-03	3.39E-03	2.05E-03
1111	564251.7	4191461	0.02992805	4.69E-03	3.36E-03	2.03E-03
1112	564212.7	4191437	0.02190779	3.43E-03	2.46E-03	1.49E-03
1113	564202.8	4191423	0.0191621	3.00E-03	2.15E-03	1.30E-03
1114	564198.7	4191406	0.01736363	2.72E-03	1.95E-03	1.18E-03
1115	564196.7	4191397	0.01624784	2.55E-03	1.82E-03	1.10E-03
1116	564192.5	4191379	0.01370979	2.15E-03	1.54E-03	9.31E-04
1117	564290.6	4191485	0.02703279	4.23E-03	3.03E-03	1.84E-03
1118	564300.5	4191486	0.02675952	4.19E-03	3.00E-03	1.82E-03
1119	564310.3	4191488	0.02627768	4.12E-03	2.95E-03	1.78E-03
1120	564320.2	4191489	0.02562205	4.01E-03	2.87E-03	1.74E-03
1121	564263.9	4191479	0.02668958	4.18E-03	2.99E-03	1.81E-03
1122	564255.5	4191474	0.02692163	4.22E-03	3.02E-03	1.83E-03
1123	564247.1	4191469	0.02668273	4.18E-03	2.99E-03	1.81E-03
1124	564238.8	4191464	0.02594915	4.07E-03	2.91E-03	1.76E-03
1125	564230.4	4191459	0.02476742	3.88E-03	2.78E-03	1.68E-03
1126	564194.6	4191428	0.01706395	2.67E-03	1.91E-03	1.16E-03
1127	564192.3	4191419	0.01633763	2.56E-03	1.83E-03	1.11E-03
1128	564190.1	4191409	0.01544273	2.42E-03	1.73E-03	1.05E-03
1129	564176.8	4191352	0.008780682	1.38E-03	9.85E-04	5.96E-04
1130	564174.6	4191342	0.007916894	1.24E-03	8.88E-04	5.38E-04
1131	564289.1	4191495	0.02384321	3.74E-03	2.67E-03	1.62E-03
1132	564299	4191496	0.02357115	3.69E-03	2.64E-03	1.60E-03
1133	564308.8	4191498	0.02313705	3.62E-03	2.60E-03	1.57E-03
1134	564318.7	4191499	0.02257826	3.54E-03	2.53E-03	1.53E-03
1135	564262.9	4191489	0.02374547	3.72E-03	2.66E-03	1.61E-03
1136	564254.6	4191484	0.02408773	3.77E-03	2.70E-03	1.64E-03
1137	564246.4	4191479	0.02407773	3.77E-03	2.70E-03	1.64E-03
1138	564238.1	4191474	0.02368773	3.71E-03	2.66E-03	1.61E-03

1139	564229.9	4191469	0.02292679	3.59E-03	2.57E-03	1.56E-03
1140	564221.6	4191464	0.02183831	3.42E-03	2.45E-03	1.48E-03
1141	564213.4	4191459	0.02049037	3.21E-03	2.30E-03	1.39E-03
1142	564205.2	4191454	0.01896926	2.97E-03	2.13E-03	1.29E-03
1143	564173.4	4191378	0.010283	1.61E-03	1.15E-03	6.98E-04
1144	564171.2	4191369	0.009328051	1.46E-03	1.05E-03	6.34E-04
1145	564169.1	4191359	0.00843542	1.32E-03	9.46E-04	5.73E-04
1146	564166.9	4191350	0.007632262	1.20E-03	8.56E-04	5.18E-04
1147	564164.7	4191340	0.006935368	1.09E-03	7.78E-04	4.71E-04
1148	564287.6	4191504	0.02119173	3.32E-03	2.38E-03	1.44E-03
1149	564297.4	4191506	0.02093789	3.28E-03	2.35E-03	1.42E-03
1150	564307.3	4191508	0.02055921	3.22E-03	2.31E-03	1.40E-03
1151	564317.2	4191509	0.0200901	3.15E-03	2.25E-03	1.36E-03
1152	564261.7	4191499	0.02123647	3.33E-03	2.38E-03	1.44E-03
1153	564253.6	4191494	0.02162942	3.39E-03	2.43E-03	1.47E-03
1154	564245.5	4191490	0.02176015	3.41E-03	2.44E-03	1.48E-03
1155	564237.4	4191485	0.02159605	3.38E-03	2.42E-03	1.47E-03
1156	564229.3	4191480	0.02113821	3.31E-03	2.37E-03	1.44E-03
1157	564221.1	4191475	0.020399	3.20E-03	2.29E-03	1.39E-03
1158	564213	4191470	0.01940536	3.04E-03	2.18E-03	1.32E-03
1159	564204.9	4191465	0.01821947	2.85E-03	2.04E-03	1.24E-03
1160	564196.8	4191460	0.01693821	2.65E-03	1.90E-03	1.15E-03
1161	564188.7	4191455	0.01559295	2.44E-03	1.75E-03	1.06E-03
1162	564172	4191413	0.01214016	1.90E-03	1.36E-03	8.25E-04
1163	564169.8	4191403	0.01138516	1.78E-03	1.28E-03	7.73E-04
1164	564167.7	4191394	0.01056331	1.65E-03	1.18E-03	7.18E-04
1165	564165.5	4191385	0.009716209	1.52E-03	1.09E-03	6.60E-04
1166	564163.4	4191376	0.008877578	1.39E-03	9.96E-04	6.03E-04
1167	564161.2	4191366	0.008089946	1.27E-03	9.08E-04	5.50E-04
1168	564159.1	4191357	0.007356735	1.15E-03	8.25E-04	5.00E-04
1169	564157	4191348	0.00670263	1.05E-03	7.52E-04	4.55E-04
1170	564154.8	4191338	0.006126894	9.60E-04	6.87E-04	4.16E-04
1171	564286.1	4191514	0.01896037	2.97E-03	2.13E-03	1.29E-03
1172	564295.9	4191516	0.01872473	2.93E-03	2.10E-03	1.27E-03
1173	564305.8	4191517	0.01839589	2.88E-03	2.06E-03	1.25E-03
1174	564315.6	4191519	0.01799452	2.82E-03	2.02E-03	1.22E-03
1175	564260.5	4191510	0.01909073	2.99E-03	2.14E-03	1.30E-03
1176	564252.5	4191505	0.01949884	3.05E-03	2.19E-03	1.32E-03
1177	564244.5	4191500	0.01971316	3.09E-03	2.21E-03	1.34E-03
1178	564236.5	4191495	0.01969416	3.09E-03	2.21E-03	1.34E-03
1179	564228.5	4191490	0.01945026	3.05E-03	2.18E-03	1.32E-03
1180	564220.5	4191485	0.01897147	2.97E-03	2.13E-03	1.29E-03
1181	564212.5	4191480	0.01826842	2.86E-03	2.05E-03	1.24E-03
1182	564204.5	4191475	0.01737331	2.72E-03	1.95E-03	1.18E-03
1183	564196.5	4191470	0.01634547	2.56E-03	1.83E-03	1.11E-03
1184	564188.5	4191465	0.01523963	2.39E-03	1.71E-03	1.04E-03
1185	564168.2	4191437	0.01220495	1.91E-03	1.37E-03	8.29E-04
1186	564166.1	4191428	0.01172526	1.84E-03	1.32E-03	7.96E-04
1187	564164	4191419	0.01116768	1.75E-03	1.25E-03	7.59E-04
1188	564161.9	4191410	0.01054295	1.65E-03	1.18E-03	7.16E-04
1189	564159.7	4191401	0.009865051	1.55E-03	1.11E-03	6.70E-04
1190	564157.6	4191392	0.009156367	1.43E-03	1.03E-03	6.22E-04

1191	564155.5	4191382	0.008440156	1.32E-03	9.47E-04	5.73E-04
1192	564153.4	4191373	0.007742051	1.21E-03	8.69E-04	5.26E-04
1193	564151.3	4191364	0.007083367	1.11E-03	7.95E-04	4.81E-04
1194	564149.2	4191355	0.006475946	1.01E-03	7.26E-04	4.40E-04
1195	564147	4191346	0.005934157	9.30E-04	6.66E-04	4.03E-04
1196	564144.9	4191337	0.005452684	8.54E-04	6.12E-04	3.70E-04
1197	564284.6	4191524	0.01706595	2.67E-03	1.91E-03	1.16E-03
1198	564294.4	4191526	0.01685005	2.64E-03	1.89E-03	1.14E-03
1199	564304.3	4191527	0.01655931	2.59E-03	1.86E-03	1.12E-03
1200	564314.1	4191529	0.01621521	2.54E-03	1.82E-03	1.10E-03
1201	564257.6	4191519	0.01734	2.72E-03	1.95E-03	1.18E-03
1202	564249.1	4191513	0.01773731	2.78E-03	1.99E-03	1.20E-03
1203	564240.6	4191508	0.0179621	2.81E-03	2.01E-03	1.22E-03
1204	564232.2	4191503	0.017973	2.82E-03	2.02E-03	1.22E-03
1205	564223.7	4191498	0.01776742	2.78E-03	1.99E-03	1.21E-03
1206	564215.2	4191493	0.0173451	2.72E-03	1.95E-03	1.18E-03
1207	564206.7	4191487	0.01671242	2.62E-03	1.87E-03	1.14E-03
1208	564198.2	4191482	0.01589868	2.49E-03	1.78E-03	1.08E-03
1209	564189.8	4191477	0.01495442	2.34E-03	1.68E-03	1.02E-03
1210	564181.3	4191472	0.01393358	2.18E-03	1.56E-03	9.46E-04
1211	564162.1	4191452	0.01151479	1.80E-03	1.29E-03	7.82E-04
1212	564159.8	4191442	0.01113879	1.74E-03	1.25E-03	7.57E-04
1213	564157.6	4191432	0.01068831	1.67E-03	1.20E-03	7.26E-04
1214	564155.4	4191423	0.01016742	1.59E-03	1.14E-03	6.91E-04
1215	564153.1	4191413	0.009583946	1.50E-03	1.08E-03	6.51E-04
1216	564150.9	4191403	0.00895684	1.40E-03	1.00E-03	6.08E-04
1217	564148.6	4191394	0.008309578	1.30E-03	9.32E-04	5.64E-04
1218	564146.4	4191384	0.007655367	1.20E-03	8.59E-04	5.20E-04
1219	564144.2	4191374	0.007016525	1.10E-03	7.87E-04	4.77E-04
1220	564141.9	4191365	0.006405683	1.00E-03	7.19E-04	4.35E-04
1221	564139.7	4191355	0.005844526	9.16E-04	6.56E-04	3.97E-04
1222	564137.4	4191345	0.005344789	8.37E-04	6.00E-04	3.63E-04
1223	564135.2	4191336	0.004907526	7.69E-04	5.51E-04	3.33E-04
1224	564283	4191534	0.01543352	2.42E-03	1.73E-03	1.05E-03
1225	564292.9	4191536	0.01524384	2.39E-03	1.71E-03	1.04E-03
1226	564302.7	4191537	0.0149891	2.35E-03	1.68E-03	1.02E-03
1227	564312.6	4191539	0.01469068	2.30E-03	1.65E-03	9.98E-04
1228	564256.5	4191529	0.01573026	2.46E-03	1.76E-03	1.07E-03
1229	564248.1	4191524	0.01611942	2.53E-03	1.81E-03	1.09E-03
1230	564239.8	4191518	0.01638063	2.57E-03	1.84E-03	1.11E-03
1231	564231.4	4191513	0.01648652	2.58E-03	1.85E-03	1.12E-03
1232	564223	4191508	0.01640784	2.57E-03	1.84E-03	1.11E-03
1233	564214.7	4191503	0.01615189	2.53E-03	1.81E-03	1.10E-03
1234	564206.3	4191498	0.01572184	2.46E-03	1.76E-03	1.07E-03
1235	564198	4191493	0.01512173	2.37E-03	1.70E-03	1.03E-03
1236	564189.6	4191488	0.01438358	2.25E-03	1.61E-03	9.77E-04
1237	564181.3	4191483	0.01354995	2.12E-03	1.52E-03	9.20E-04
1238	564164.6	4191472	0.01173573	1.84E-03	1.32E-03	7.97E-04
1239	564154	4191458	0.01056958	1.66E-03	1.19E-03	7.18E-04
1240	564151.8	4191448	0.01025579	1.61E-03	1.15E-03	6.97E-04
1241	564149.6	4191439	0.009881577	1.55E-03	1.11E-03	6.71E-04
1242	564147.4	4191429	0.009441787	1.48E-03	1.06E-03	6.41E-04

1243	564145.2	4191420	0.008946841	1.40E-03	1.00E-03	6.08E-04
1244	564143	4191410	0.00840942	1.32E-03	9.43E-04	5.71E-04
1245	564140.8	4191400	0.00785863	1.23E-03	8.82E-04	5.34E-04
1246	564138.5	4191391	0.007297105	1.14E-03	8.19E-04	4.96E-04
1247	564136.3	4191381	0.006731157	1.05E-03	7.55E-04	4.57E-04
1248	564134.1	4191372	0.006181789	9.68E-04	6.93E-04	4.20E-04
1249	564131.9	4191362	0.005666526	8.88E-04	6.36E-04	3.85E-04
1250	564129.7	4191353	0.005196631	8.14E-04	5.83E-04	3.53E-04
1251	564127.5	4191343	0.004778999	7.49E-04	5.36E-04	3.25E-04
1252	564125.3	4191334	0.004418894	6.92E-04	4.96E-04	3.00E-04
1253	564281.5	4191544	0.01401889	2.20E-03	1.57E-03	9.52E-04
1254	564291.4	4191546	0.01385726	2.17E-03	1.55E-03	9.41E-04
1255	564301.2	4191547	0.01363479	2.14E-03	1.53E-03	9.26E-04
1256	564311.1	4191549	0.01337294	2.09E-03	1.50E-03	9.08E-04
1257	564255.3	4191539	0.01431395	2.24E-03	1.61E-03	9.72E-04
1258	564247	4191534	0.0147001	2.30E-03	1.65E-03	9.99E-04
1259	564238.8	4191529	0.01497647	2.35E-03	1.68E-03	1.02E-03
1260	564230.5	4191524	0.01513452	2.37E-03	1.70E-03	1.03E-03
1261	564222.3	4191519	0.01515042	2.37E-03	1.70E-03	1.03E-03
1262	564214.1	4191514	0.01501363	2.35E-03	1.68E-03	1.02E-03
1263	564205.8	4191508	0.01472837	2.31E-03	1.65E-03	1.00E-03
1264	564197.6	4191503	0.01429779	2.24E-03	1.60E-03	9.71E-04
1265	564189.3	4191498	0.01373905	2.15E-03	1.54E-03	9.33E-04
1266	564181.1	4191493	0.01307352	2.05E-03	1.47E-03	8.88E-04
1267	564164.6	4191483	0.01154889	1.81E-03	1.30E-03	7.84E-04
1268	564156.3	4191478	0.01074284	1.68E-03	1.21E-03	7.30E-04
1269	564145.9	4191464	0.009734893	1.53E-03	1.09E-03	6.61E-04
1270	564143.7	4191454	0.009468526	1.48E-03	1.06E-03	6.43E-04
1271	564141.6	4191445	0.009151367	1.43E-03	1.03E-03	6.22E-04
1272	564139.4	4191435	0.008785998	1.38E-03	9.86E-04	5.97E-04
1273	564137.2	4191426	0.008366262	1.31E-03	9.39E-04	5.68E-04
1274	564135	4191417	0.007914893	1.24E-03	8.88E-04	5.38E-04
1275	564132.8	4191407	0.007438473	1.17E-03	8.34E-04	5.05E-04
1276	564130.7	4191398	0.006948999	1.09E-03	7.80E-04	4.72E-04
1277	564128.5	4191388	0.006450315	1.01E-03	7.24E-04	4.38E-04
1278	564126.3	4191379	0.005955736	9.33E-04	6.68E-04	4.05E-04
1279	564124.1	4191370	0.005486578	8.59E-04	6.15E-04	3.73E-04
1280	564122	4191360	0.005049578	7.91E-04	5.66E-04	3.43E-04
1281	564119.8	4191351	0.004653262	7.29E-04	5.22E-04	3.16E-04
1282	564117.6	4191341	0.004303157	6.74E-04	4.83E-04	2.92E-04
1283	564115.4	4191332	0.004003578	6.27E-04	4.49E-04	2.72E-04
1284	564245.9	4191544	0.01344737	2.11E-03	1.51E-03	9.13E-04
1285	564237.8	4191539	0.01373252	2.15E-03	1.54E-03	9.33E-04
1286	564229.6	4191534	0.01391868	2.18E-03	1.56E-03	9.45E-04
1287	564221.5	4191529	0.013996	2.19E-03	1.57E-03	9.51E-04
1288	564213.3	4191524	0.0139461	2.18E-03	1.56E-03	9.47E-04
1289	564205.2	4191519	0.01376879	2.16E-03	1.54E-03	9.35E-04
1290	564197	4191514	0.01346805	2.11E-03	1.51E-03	9.15E-04
1291	564188.9	4191509	0.01305121	2.04E-03	1.46E-03	8.87E-04
1292	564180.7	4191504	0.012533	1.96E-03	1.41E-03	8.51E-04
1293	564164.4	4191494	0.01127584	1.77E-03	1.26E-03	7.66E-04
1294	564156.3	4191489	0.01058237	1.66E-03	1.19E-03	7.19E-04

1295	564148.1	4191484	0.009876525	1.55E-03	1.11E-03	6.71E-04
1296	564137.8	4191470	0.008993946	1.41E-03	1.01E-03	6.11E-04
1297	564135.7	4191460	0.00876242	1.37E-03	9.83E-04	5.95E-04
1298	564133.5	4191451	0.008489946	1.33E-03	9.52E-04	5.77E-04
1299	564131.4	4191442	0.008178683	1.28E-03	9.17E-04	5.56E-04
1300	564129.2	4191432	0.007829946	1.23E-03	8.78E-04	5.32E-04
1301	564127.1	4191423	0.007446367	1.17E-03	8.35E-04	5.06E-04
1302	564124.9	4191414	0.007041105	1.10E-03	7.90E-04	4.78E-04
1303	564122.8	4191405	0.006618525	1.04E-03	7.42E-04	4.50E-04
1304	564120.6	4191395	0.006178631	9.68E-04	6.93E-04	4.20E-04
1305	564118.5	4191386	0.005736946	8.99E-04	6.44E-04	3.90E-04
1306	564116.3	4191377	0.005302894	8.31E-04	5.95E-04	3.60E-04
1307	564114.1	4191367	0.004902157	7.68E-04	5.50E-04	3.33E-04
1308	564112	4191358	0.004530684	7.10E-04	5.08E-04	3.08E-04
1309	564109.8	4191349	0.004193	6.57E-04	4.70E-04	2.85E-04
1310	564107.7	4191339	0.003896578	6.10E-04	4.37E-04	2.65E-04
1311	564105.5	4191330	0.00364221	5.71E-04	4.09E-04	2.47E-04
1312	564278.5	4191564	0.01171531	1.84E-03	1.31E-03	7.96E-04
1313	564268.9	4191569	0.01119405	1.75E-03	1.26E-03	7.60E-04
1314	564260.8	4191564	0.01160489	1.82E-03	1.30E-03	7.88E-04
1315	564252.8	4191559	0.01199484	1.88E-03	1.35E-03	8.15E-04
1316	564220.5	4191539	0.01294316	2.03E-03	1.45E-03	8.79E-04
1317	564212.5	4191534	0.01295347	2.03E-03	1.45E-03	8.80E-04
1318	564204.4	4191529	0.01285979	2.01E-03	1.44E-03	8.74E-04
1319	564196.4	4191524	0.01265863	1.98E-03	1.42E-03	8.60E-04
1320	564188.3	4191519	0.012356	1.94E-03	1.39E-03	8.39E-04
1321	564180.2	4191514	0.01195831	1.87E-03	1.34E-03	8.12E-04
1322	564156.1	4191500	0.01035484	1.62E-03	1.16E-03	7.03E-04
1323	564148	4191495	0.009736788	1.53E-03	1.09E-03	6.61E-04
1324	564139.9	4191490	0.009118946	1.43E-03	1.02E-03	6.19E-04
1325	564129.7	4191476	0.00834263	1.31E-03	9.36E-04	5.67E-04
1326	564127.6	4191466	0.00813421	1.27E-03	9.12E-04	5.53E-04
1327	564125.5	4191457	0.007897788	1.24E-03	8.86E-04	5.36E-04
1328	564123.4	4191448	0.007629841	1.20E-03	8.56E-04	5.18E-04
1329	564121.2	4191439	0.007332894	1.15E-03	8.23E-04	4.98E-04
1330	564119.1	4191430	0.007008104	1.10E-03	7.86E-04	4.76E-04
1331	564117	4191420	0.006660789	1.04E-03	7.47E-04	4.52E-04
1332	564114.8	4191411	0.006298157	9.87E-04	7.07E-04	4.28E-04
1333	564112.7	4191402	0.005915788	9.27E-04	6.64E-04	4.02E-04
1334	564110.6	4191393	0.005521894	8.65E-04	6.19E-04	3.75E-04
1335	564108.4	4191384	0.005134315	8.04E-04	5.76E-04	3.49E-04
1336	564106.3	4191374	0.004761947	7.46E-04	5.34E-04	3.23E-04
1337	564104.2	4191365	0.004414842	6.92E-04	4.95E-04	3.00E-04
1338	564102	4191356	0.00409221	6.41E-04	4.59E-04	2.78E-04
1339	564099.9	4191347	0.003799157	5.95E-04	4.26E-04	2.58E-04
1340	564097.8	4191338	0.003545684	5.55E-04	3.98E-04	2.41E-04
1341	564095.7	4191328	0.003327368	5.21E-04	3.73E-04	2.26E-04
1342	564277	4191574	0.01077331	1.69E-03	1.21E-03	7.32E-04
1343	564286.8	4191575	0.01063905	1.67E-03	1.19E-03	7.23E-04
1344	564296.7	4191577	0.01048337	1.64E-03	1.18E-03	7.12E-04
1345	564306.5	4191578	0.01031563	1.62E-03	1.16E-03	7.01E-04
1346	564267	4191578	0.01034458	1.62E-03	1.16E-03	7.03E-04

1347	564258.6	4191573	0.01073537	1.68E-03	1.20E-03	7.29E-04
1348	564250.2	4191568	0.0111051	1.74E-03	1.25E-03	7.54E-04
1349	564241.7	4191563	0.01143579	1.79E-03	1.28E-03	7.77E-04
1350	564233.3	4191558	0.01170668	1.83E-03	1.31E-03	7.95E-04
1351	564191.2	4191532	0.01177737	1.84E-03	1.32E-03	8.00E-04
1352	564182.8	4191527	0.01149647	1.80E-03	1.29E-03	7.81E-04
1353	564157.5	4191511	0.01019037	1.60E-03	1.14E-03	6.92E-04
1354	564149	4191506	0.009641419	1.51E-03	1.08E-03	6.55E-04
1355	564140.6	4191501	0.009065473	1.42E-03	1.02E-03	6.16E-04
1356	564132.2	4191496	0.008489104	1.33E-03	9.52E-04	5.77E-04
1357	564121.5	4191481	0.007757893	1.22E-03	8.70E-04	5.27E-04
1358	564119.3	4191471	0.007557946	1.18E-03	8.48E-04	5.13E-04
1359	564117.1	4191462	0.007330104	1.15E-03	8.22E-04	4.98E-04
1360	564114.9	4191452	0.007078894	1.11E-03	7.94E-04	4.81E-04
1361	564112.6	4191443	0.006802157	1.07E-03	7.63E-04	4.62E-04
1362	564110.4	4191433	0.006503157	1.02E-03	7.30E-04	4.42E-04
1363	564108.2	4191423	0.006180368	9.68E-04	6.93E-04	4.20E-04
1364	564105.9	4191414	0.005837578	9.14E-04	6.55E-04	3.97E-04
1365	564103.7	4191404	0.005479736	8.58E-04	6.15E-04	3.72E-04
1366	564101.5	4191394	0.00511421	8.01E-04	5.74E-04	3.47E-04
1367	564099.3	4191385	0.004754526	7.45E-04	5.33E-04	3.23E-04
1368	564097	4191375	0.004408263	6.91E-04	4.95E-04	2.99E-04
1369	564094.8	4191366	0.004079842	6.39E-04	4.58E-04	2.77E-04
1370	564092.6	4191356	0.003774999	5.91E-04	4.23E-04	2.56E-04
1371	564090.3	4191346	0.00349921	5.48E-04	3.93E-04	2.38E-04
1372	564088.1	4191337	0.003264052	5.11E-04	3.66E-04	2.22E-04
1373	564085.9	4191327	0.003062105	4.80E-04	3.44E-04	2.08E-04
1374	564275.4	4191584	0.009943946	1.56E-03	1.12E-03	6.75E-04
1375	564285.3	4191585	0.00981284	1.54E-03	1.10E-03	6.67E-04
1376	564295.2	4191587	0.009667682	1.51E-03	1.08E-03	6.57E-04
1377	564305	4191588	0.009526314	1.49E-03	1.07E-03	6.47E-04
1378	564265.6	4191588	0.009571156	1.50E-03	1.07E-03	6.50E-04
1379	564257.3	4191583	0.009924051	1.55E-03	1.11E-03	6.74E-04
1380	564248.9	4191578	0.01025979	1.61E-03	1.15E-03	6.97E-04
1381	564240.6	4191573	0.01056558	1.66E-03	1.19E-03	7.18E-04
1382	564232.3	4191568	0.01082431	1.70E-03	1.21E-03	7.35E-04
1383	564223.9	4191563	0.01102442	1.73E-03	1.24E-03	7.49E-04
1384	564215.6	4191558	0.01115874	1.75E-03	1.25E-03	7.58E-04
1385	564207.3	4191553	0.01121537	1.76E-03	1.26E-03	7.62E-04
1386	564157.3	4191522	0.009869683	1.55E-03	1.11E-03	6.70E-04
1387	564149	4191517	0.009415209	1.47E-03	1.06E-03	6.40E-04
1388	564140.6	4191512	0.008923051	1.40E-03	1.00E-03	6.06E-04
1389	564132.3	4191507	0.008411947	1.32E-03	9.44E-04	5.71E-04
1390	564124	4191502	0.007898262	1.24E-03	8.86E-04	5.36E-04
1391	564113.5	4191487	0.007248367	1.14E-03	8.13E-04	4.92E-04
1392	564111.2	4191477	0.007069894	1.11E-03	7.93E-04	4.80E-04
1393	564109	4191468	0.006866157	1.08E-03	7.70E-04	4.66E-04
1394	564106.8	4191458	0.006648999	1.04E-03	7.46E-04	4.52E-04
1395	564104.6	4191449	0.006410894	1.00E-03	7.19E-04	4.35E-04
1396	564102.4	4191439	0.006151104	9.64E-04	6.90E-04	4.18E-04
1397	564100.2	4191430	0.005869052	9.19E-04	6.58E-04	3.99E-04
1398	564098	4191420	0.005567894	8.72E-04	6.25E-04	3.78E-04

1399	564095.8	4191411	0.005251999	8.23E-04	5.89E-04	3.57E-04
1400	564093.6	4191401	0.004929262	7.72E-04	5.53E-04	3.35E-04
1401	564091.4	4191392	0.004608947	7.22E-04	5.17E-04	3.13E-04
1402	564089.2	4191382	0.004295631	6.73E-04	4.82E-04	2.92E-04
1403	564087	4191373	0.003993368	6.26E-04	4.48E-04	2.71E-04
1404	564084.8	4191363	0.003703947	5.80E-04	4.16E-04	2.52E-04
1405	564082.6	4191354	0.003437315	5.38E-04	3.86E-04	2.33E-04
1406	564080.4	4191344	0.003200473	5.01E-04	3.59E-04	2.17E-04
1407	564078.2	4191335	0.002998789	4.70E-04	3.36E-04	2.04E-04
1408	564076	4191325	0.002825315	4.43E-04	3.17E-04	1.92E-04
1409	564273.9	4191593	0.009212893	1.44E-03	1.03E-03	6.26E-04
1410	564283.8	4191595	0.009093841	1.42E-03	1.02E-03	6.18E-04
1411	564293.6	4191596	0.00896021	1.40E-03	1.01E-03	6.09E-04
1412	564303.5	4191598	0.008833314	1.38E-03	9.91E-04	6.00E-04
1413	564264.2	4191598	0.008884314	1.39E-03	9.97E-04	6.03E-04
1414	564255.9	4191593	0.009201735	1.44E-03	1.03E-03	6.25E-04
1415	564247.7	4191588	0.009507262	1.49E-03	1.07E-03	6.46E-04
1416	564239.4	4191583	0.009790052	1.53E-03	1.10E-03	6.65E-04
1417	564231.2	4191578	0.01003368	1.57E-03	1.13E-03	6.82E-04
1418	564223	4191573	0.01023247	1.60E-03	1.15E-03	6.95E-04
1419	564214.7	4191568	0.01038084	1.63E-03	1.16E-03	7.05E-04
1420	564206.5	4191563	0.01046484	1.64E-03	1.17E-03	7.11E-04
1421	564198.2	4191558	0.010481	1.64E-03	1.18E-03	7.12E-04
1422	564190	4191553	0.01042926	1.63E-03	1.17E-03	7.08E-04
1423	564181.7	4191548	0.01030416	1.61E-03	1.16E-03	7.00E-04
1424	564148.8	4191528	0.009143841	1.43E-03	1.03E-03	6.21E-04
1425	564140.5	4191523	0.008729788	1.37E-03	9.79E-04	5.93E-04
1426	564132.3	4191518	0.008283999	1.30E-03	9.29E-04	5.63E-04
1427	564124	4191512	0.007825631	1.23E-03	8.78E-04	5.32E-04
1428	564115.8	4191507	0.007366736	1.15E-03	8.26E-04	5.00E-04
1429	564105.4	4191493	0.006785525	1.06E-03	7.61E-04	4.61E-04
1430	564103.2	4191484	0.006630472	1.04E-03	7.44E-04	4.50E-04
1431	564101	4191474	0.006453525	1.01E-03	7.24E-04	4.38E-04
1432	564098.8	4191465	0.006258631	9.80E-04	7.02E-04	4.25E-04
1433	564096.6	4191455	0.006050052	9.48E-04	6.79E-04	4.11E-04
1434	564094.5	4191446	0.005823631	9.12E-04	6.53E-04	3.96E-04
1435	564092.3	4191436	0.00558042	8.74E-04	6.26E-04	3.79E-04
1436	564090.1	4191427	0.005313946	8.32E-04	5.96E-04	3.61E-04
1437	564087.9	4191418	0.00503342	7.89E-04	5.65E-04	3.42E-04
1438	564085.7	4191408	0.004743052	7.43E-04	5.32E-04	3.22E-04
1439	564083.6	4191399	0.004456526	6.98E-04	5.00E-04	3.03E-04
1440	564081.4	4191389	0.004174631	6.54E-04	4.68E-04	2.84E-04
1441	564079.2	4191380	0.003898526	6.11E-04	4.37E-04	2.65E-04
1442	564077	4191371	0.00363021	5.69E-04	4.07E-04	2.47E-04
1443	564074.8	4191361	0.003378157	5.29E-04	3.79E-04	2.29E-04
1444	564072.7	4191352	0.003148158	4.93E-04	3.53E-04	2.14E-04
1445	564070.5	4191342	0.002945263	4.61E-04	3.30E-04	2.00E-04
1446	564068.3	4191333	0.002769315	4.34E-04	3.11E-04	1.88E-04
1447	564066.1	4191323	0.002617631	4.10E-04	2.94E-04	1.78E-04
1448	564272.4	4191603	0.008562947	1.34E-03	9.61E-04	5.82E-04
1449	564282.3	4191605	0.008452999	1.32E-03	9.48E-04	5.74E-04
1450	564292.1	4191606	0.008331577	1.31E-03	9.35E-04	5.66E-04

1451	564302	4191608	0.008215209	1.29E-03	9.22E-04	5.58E-04
1452	564262.7	4191608	0.008269525	1.30E-03	9.28E-04	5.62E-04
1453	564254.6	4191603	0.008556894	1.34E-03	9.60E-04	5.81E-04
1454	564246.4	4191598	0.008834999	1.38E-03	9.91E-04	6.00E-04
1455	564238.2	4191593	0.009095735	1.42E-03	1.02E-03	6.18E-04
1456	564230.1	4191588	0.009324157	1.46E-03	1.05E-03	6.33E-04
1457	564221.9	4191583	0.009517525	1.49E-03	1.07E-03	6.46E-04
1458	564213.7	4191578	0.009670735	1.51E-03	1.08E-03	6.57E-04
1459	564205.6	4191573	0.00977563	1.53E-03	1.10E-03	6.64E-04
1460	564197.4	4191568	0.009821209	1.54E-03	1.10E-03	6.67E-04
1461	564189.2	4191563	0.009808209	1.54E-03	1.10E-03	6.66E-04
1462	564181.1	4191558	0.00973363	1.52E-03	1.09E-03	6.61E-04
1463	564123.9	4191523	0.007710946	1.21E-03	8.65E-04	5.24E-04
1464	564115.8	4191518	0.007298736	1.14E-03	8.19E-04	4.96E-04
1465	564107.6	4191513	0.006887052	1.08E-03	7.73E-04	4.68E-04
1466	564097.3	4191499	0.006364104	9.97E-04	7.14E-04	4.32E-04
1467	564095.1	4191490	0.006227473	9.76E-04	6.99E-04	4.23E-04
1468	564093	4191480	0.006073631	9.51E-04	6.81E-04	4.13E-04
1469	564090.8	4191471	0.005902894	9.25E-04	6.62E-04	4.01E-04
1470	564088.6	4191462	0.005718051	8.96E-04	6.41E-04	3.88E-04
1471	564086.5	4191452	0.005519052	8.65E-04	6.19E-04	3.75E-04
1472	564084.3	4191443	0.005305368	8.31E-04	5.95E-04	3.60E-04
1473	564082.2	4191434	0.005074052	7.95E-04	5.69E-04	3.45E-04
1474	564080	4191424	0.004824841	7.56E-04	5.41E-04	3.28E-04
1475	564077.8	4191415	0.004567894	7.16E-04	5.12E-04	3.10E-04
1476	564075.7	4191406	0.004308105	6.75E-04	4.83E-04	2.93E-04
1477	564073.5	4191396	0.00405142	6.35E-04	4.54E-04	2.75E-04
1478	564071.4	4191387	0.003797157	5.95E-04	4.26E-04	2.58E-04
1479	564069.2	4191378	0.003549789	5.56E-04	3.98E-04	2.41E-04
1480	564067	4191368	0.003314105	5.19E-04	3.72E-04	2.25E-04
1481	564064.9	4191359	0.003095842	4.85E-04	3.47E-04	2.10E-04
1482	564062.7	4191350	0.002896789	4.54E-04	3.25E-04	1.97E-04
1483	564060.6	4191340	0.002720684	4.26E-04	3.05E-04	1.85E-04
1484	564058.4	4191331	0.002566157	4.02E-04	2.88E-04	1.74E-04
1485	564056.3	4191322	0.002432842	3.81E-04	2.73E-04	1.65E-04
1486	564270.9	4191613	0.007979998	1.25E-03	8.95E-04	5.42E-04
1487	564280.7	4191615	0.007879314	1.23E-03	8.84E-04	5.35E-04
1488	564290.6	4191616	0.007768631	1.22E-03	8.71E-04	5.28E-04
1489	564300.5	4191618	0.007660472	1.20E-03	8.59E-04	5.20E-04
1490	564260.9	4191618	0.007730104	1.21E-03	8.67E-04	5.25E-04
1491	564252.4	4191613	0.008002578	1.25E-03	8.98E-04	5.44E-04
1492	564243.9	4191608	0.008266683	1.30E-03	9.27E-04	5.62E-04
1493	564235.5	4191602	0.00851563	1.33E-03	9.55E-04	5.78E-04
1494	564227	4191597	0.008732209	1.37E-03	9.80E-04	5.93E-04
1495	564218.5	4191592	0.008918999	1.40E-03	1.00E-03	6.06E-04
1496	564210	4191587	0.009068157	1.42E-03	1.02E-03	6.16E-04
1497	564201.5	4191582	0.009171894	1.44E-03	1.03E-03	6.23E-04
1498	564193.1	4191576	0.009221788	1.44E-03	1.03E-03	6.26E-04
1499	564184.6	4191571	0.009213209	1.44E-03	1.03E-03	6.26E-04
1500	564176.1	4191566	0.009147472	1.43E-03	1.03E-03	6.21E-04
1501	564150.7	4191550	0.008594262	1.35E-03	9.64E-04	5.84E-04
1502	564099.8	4191519	0.00647521	1.01E-03	7.26E-04	4.40E-04

1503	564089.1	4191504	0.005978789	9.37E-04	6.71E-04	4.06E-04
1504	564086.8	4191495	0.005847052	9.16E-04	6.56E-04	3.97E-04
1505	564084.6	4191485	0.005702578	8.93E-04	6.40E-04	3.87E-04
1506	564082.3	4191475	0.005543367	8.68E-04	6.22E-04	3.77E-04
1507	564080.1	4191466	0.005367841	8.41E-04	6.02E-04	3.65E-04
1508	564077.9	4191456	0.005177894	8.11E-04	5.81E-04	3.52E-04
1509	564075.6	4191446	0.004974578	7.79E-04	5.58E-04	3.38E-04
1510	564073.4	4191437	0.004757841	7.45E-04	5.34E-04	3.23E-04
1511	564071.1	4191427	0.004525157	7.09E-04	5.08E-04	3.07E-04
1512	564068.9	4191417	0.004285368	6.71E-04	4.81E-04	2.91E-04
1513	564066.7	4191408	0.004041631	6.33E-04	4.53E-04	2.75E-04
1514	564064.4	4191398	0.003796315	5.95E-04	4.26E-04	2.58E-04
1515	564062.2	4191388	0.003553631	5.57E-04	3.99E-04	2.41E-04
1516	564059.9	4191378	0.003317368	5.20E-04	3.72E-04	2.25E-04
1517	564057.7	4191369	0.003096842	4.85E-04	3.47E-04	2.10E-04
1518	564055.4	4191359	0.002893052	4.53E-04	3.25E-04	1.97E-04
1519	564053.2	4191349	0.002707578	4.24E-04	3.04E-04	1.84E-04
1520	564051	4191340	0.002541263	3.98E-04	2.85E-04	1.73E-04
1521	564048.7	4191330	0.002394421	3.75E-04	2.69E-04	1.63E-04
1522	564046.5	4191320	0.002268579	3.55E-04	2.54E-04	1.54E-04
1523	564269.4	4191623	0.007456262	1.17E-03	8.36E-04	5.06E-04
1524	564279.2	4191625	0.007363262	1.15E-03	8.26E-04	5.00E-04
1525	564289.1	4191626	0.007261473	1.14E-03	8.15E-04	4.93E-04
1526	564298.9	4191628	0.007161367	1.12E-03	8.03E-04	4.86E-04
1527	564259.5	4191628	0.007228788	1.13E-03	8.11E-04	4.91E-04
1528	564251.1	4191623	0.007474946	1.17E-03	8.39E-04	5.08E-04
1529	564242.7	4191618	0.007718736	1.21E-03	8.66E-04	5.24E-04
1530	564234.3	4191612	0.00794763	1.25E-03	8.92E-04	5.40E-04
1531	564225.9	4191607	0.008150894	1.28E-03	9.14E-04	5.54E-04
1532	564217.5	4191602	0.008330631	1.31E-03	9.35E-04	5.66E-04
1533	564209.1	4191597	0.008479946	1.33E-03	9.51E-04	5.76E-04
1534	564200.7	4191592	0.008592525	1.35E-03	9.64E-04	5.84E-04
1535	564192.3	4191587	0.008662315	1.36E-03	9.72E-04	5.88E-04
1536	564183.9	4191582	0.008681157	1.36E-03	9.74E-04	5.90E-04
1537	564175.5	4191576	0.008648946	1.35E-03	9.70E-04	5.87E-04
1538	564150.3	4191561	0.008245473	1.29E-03	9.25E-04	5.60E-04
1539	564142	4191556	0.008016	1.26E-03	8.99E-04	5.44E-04
1540	564133.6	4191551	0.007747473	1.21E-03	8.69E-04	5.26E-04
1541	564125.2	4191546	0.007445736	1.17E-03	8.35E-04	5.06E-04
1542	564081	4191510	0.00563742	8.83E-04	6.32E-04	3.83E-04
1543	564078.8	4191501	0.00551842	8.64E-04	6.19E-04	3.75E-04
1544	564076.5	4191491	0.005387736	8.44E-04	6.04E-04	3.66E-04
1545	564074.3	4191482	0.005244368	8.22E-04	5.88E-04	3.56E-04
1546	564072.1	4191472	0.005086157	7.97E-04	5.71E-04	3.45E-04
1547	564069.9	4191462	0.00491621	7.70E-04	5.51E-04	3.34E-04
1548	564067.7	4191453	0.00473621	7.42E-04	5.31E-04	3.22E-04
1549	564065.4	4191443	0.004545157	7.12E-04	5.10E-04	3.09E-04
1550	564063.2	4191434	0.004343052	6.80E-04	4.87E-04	2.95E-04
1551	564061	4191424	0.004130736	6.47E-04	4.63E-04	2.81E-04
1552	564058.8	4191414	0.003913999	6.13E-04	4.39E-04	2.66E-04
1553	564056.6	4191405	0.003694473	5.79E-04	4.14E-04	2.51E-04
1554	564054.4	4191395	0.003470999	5.44E-04	3.89E-04	2.36E-04

1555	564052.1	4191386	0.003251736	5.09E-04	3.65E-04	2.21E-04
1556	564049.9	4191376	0.003041631	4.76E-04	3.41E-04	2.07E-04
1557	564047.7	4191366	0.002848368	4.46E-04	3.20E-04	1.93E-04
1558	564045.5	4191357	0.002667947	4.18E-04	2.99E-04	1.81E-04
1559	564043.3	4191347	0.002502	3.92E-04	2.81E-04	1.70E-04
1560	564041	4191338	0.002355157	3.69E-04	2.64E-04	1.60E-04
1561	564038.8	4191328	0.002225526	3.49E-04	2.50E-04	1.51E-04
1562	564036.6	4191319	0.002114579	3.31E-04	2.37E-04	1.44E-04
1563	564267.9	4191633	0.006983525	1.09E-03	7.83E-04	4.74E-04
1564	564277.7	4191634	0.006896736	1.08E-03	7.74E-04	4.68E-04
1565	564287.6	4191636	0.006804104	1.07E-03	7.63E-04	4.62E-04
1566	564297.4	4191638	0.006710315	1.05E-03	7.53E-04	4.56E-04
1567	564258	4191638	0.006774841	1.06E-03	7.60E-04	4.60E-04
1568	564249.7	4191633	0.006995894	1.10E-03	7.85E-04	4.75E-04
1569	564241.4	4191628	0.007216262	1.13E-03	8.10E-04	4.90E-04
1570	564233.1	4191622	0.007431525	1.16E-03	8.34E-04	5.05E-04
1571	564224.8	4191617	0.007624893	1.19E-03	8.55E-04	5.18E-04
1572	564216.4	4191612	0.00779642	1.22E-03	8.75E-04	5.30E-04
1573	564208.1	4191607	0.007943315	1.24E-03	8.91E-04	5.40E-04
1574	564199.8	4191602	0.008060263	1.26E-03	9.04E-04	5.47E-04
1575	564191.5	4191597	0.008141841	1.28E-03	9.13E-04	5.53E-04
1576	564183.2	4191592	0.008181104	1.28E-03	9.18E-04	5.56E-04
1577	564174.9	4191587	0.008176578	1.28E-03	9.17E-04	5.55E-04
1578	564149.9	4191572	0.007893209	1.24E-03	8.85E-04	5.36E-04
1579	564141.6	4191566	0.007712473	1.21E-03	8.65E-04	5.24E-04
1580	564133.3	4191561	0.007494368	1.17E-03	8.41E-04	5.09E-04
1581	564125	4191556	0.007241157	1.13E-03	8.12E-04	4.92E-04
1582	564116.7	4191551	0.006962788	1.09E-03	7.81E-04	4.73E-04
1583	564108.3	4191546	0.006667736	1.04E-03	7.48E-04	4.53E-04
1584	564100	4191541	0.006362	9.97E-04	7.14E-04	4.32E-04
1585	564091.7	4191536	0.00604842	9.48E-04	6.79E-04	4.11E-04
1586	564072.9	4191516	0.005324736	8.34E-04	5.97E-04	3.62E-04
1587	564070.7	4191507	0.005219736	8.18E-04	5.86E-04	3.55E-04
1588	564068.5	4191497	0.005101631	7.99E-04	5.72E-04	3.47E-04
1589	564066.3	4191488	0.004971736	7.79E-04	5.58E-04	3.38E-04
1590	564064.1	4191478	0.004829052	7.56E-04	5.42E-04	3.28E-04
1591	564061.9	4191469	0.004674157	7.32E-04	5.24E-04	3.17E-04
1592	564059.7	4191459	0.004512894	7.07E-04	5.06E-04	3.07E-04
1593	564057.5	4191450	0.004343683	6.80E-04	4.87E-04	2.95E-04
1594	564055.3	4191440	0.004164368	6.52E-04	4.67E-04	2.83E-04
1595	564053.1	4191431	0.003977315	6.23E-04	4.46E-04	2.70E-04
1596	564050.9	4191421	0.003784052	5.93E-04	4.24E-04	2.57E-04
1597	564048.7	4191412	0.003585684	5.62E-04	4.02E-04	2.44E-04
1598	564046.5	4191402	0.003383894	5.30E-04	3.80E-04	2.30E-04
1599	564044.3	4191393	0.003183157	4.99E-04	3.57E-04	2.16E-04
1600	564042.1	4191383	0.002988842	4.68E-04	3.35E-04	2.03E-04
1601	564039.9	4191374	0.002803842	4.39E-04	3.15E-04	1.90E-04
1602	564037.7	4191364	0.002629789	4.12E-04	2.95E-04	1.79E-04
1603	564035.5	4191355	0.002467737	3.87E-04	2.77E-04	1.68E-04
1604	564033.3	4191345	0.002319421	3.63E-04	2.60E-04	1.58E-04
1605	564031.1	4191336	0.002189368	3.43E-04	2.46E-04	1.49E-04
1606	564028.9	4191326	0.002074684	3.25E-04	2.33E-04	1.41E-04

1607	564026.7	4191317	0.001976158	3.10E-04	2.22E-04	1.34E-04
1608	564266.3	4191643	0.006554841	1.03E-03	7.35E-04	4.45E-04
1609	564276.2	4191644	0.00647442	1.01E-03	7.26E-04	4.40E-04
1610	564286	4191646	0.006388631	1.00E-03	7.17E-04	4.34E-04
1611	564295.9	4191647	0.006301051	9.87E-04	7.07E-04	4.28E-04
1612	564256.6	4191648	0.006362578	9.97E-04	7.14E-04	4.32E-04
1613	564248.3	4191643	0.006561157	1.03E-03	7.36E-04	4.46E-04
1614	564240.1	4191638	0.006761262	1.06E-03	7.58E-04	4.59E-04
1615	564231.8	4191633	0.006958051	1.09E-03	7.81E-04	4.73E-04
1616	564223.6	4191628	0.007143262	1.12E-03	8.01E-04	4.85E-04
1617	564215.4	4191622	0.007310157	1.15E-03	8.20E-04	4.97E-04
1618	564207.1	4191617	0.007453472	1.17E-03	8.36E-04	5.06E-04
1619	564198.9	4191612	0.007572157	1.19E-03	8.49E-04	5.14E-04
1620	564190.6	4191607	0.007660841	1.20E-03	8.59E-04	5.20E-04
1621	564182.4	4191602	0.00771421	1.21E-03	8.65E-04	5.24E-04
1622	564174.1	4191597	0.007730525	1.21E-03	8.67E-04	5.25E-04
1623	564149.4	4191582	0.007543209	1.18E-03	8.46E-04	5.12E-04
1624	564141.2	4191577	0.007404052	1.16E-03	8.31E-04	5.03E-04
1625	564132.9	4191572	0.007230946	1.13E-03	8.11E-04	4.91E-04
1626	564124.7	4191567	0.007024473	1.10E-03	7.88E-04	4.77E-04
1627	564116.4	4191562	0.006788157	1.06E-03	7.61E-04	4.61E-04
1628	564108.2	4191557	0.006531315	1.02E-03	7.33E-04	4.44E-04
1629	564099.9	4191552	0.006262525	9.81E-04	7.03E-04	4.25E-04
1630	564091.7	4191547	0.005983157	9.37E-04	6.71E-04	4.06E-04
1631	564083.5	4191542	0.005697683	8.93E-04	6.39E-04	3.87E-04
1632	564075.2	4191537	0.005405157	8.47E-04	6.06E-04	3.67E-04
1633	564062.6	4191513	0.004942841	7.74E-04	5.54E-04	3.36E-04
1634	564060.4	4191503	0.004837999	7.58E-04	5.43E-04	3.29E-04
1635	564058.3	4191494	0.004722421	7.40E-04	5.30E-04	3.21E-04
1636	564056.1	4191485	0.004593052	7.20E-04	5.15E-04	3.12E-04
1637	564053.9	4191475	0.004452894	6.98E-04	5.00E-04	3.02E-04
1638	564051.7	4191466	0.004304736	6.74E-04	4.83E-04	2.92E-04
1639	564049.5	4191456	0.004155368	6.51E-04	4.66E-04	2.82E-04
1640	564047.4	4191447	0.003997315	6.26E-04	4.48E-04	2.72E-04
1641	564045.2	4191437	0.003831421	6.00E-04	4.30E-04	2.60E-04
1642	564043	4191428	0.003656789	5.73E-04	4.10E-04	2.48E-04
1643	564040.8	4191419	0.003476263	5.45E-04	3.90E-04	2.36E-04
1644	564038.6	4191409	0.003292789	5.16E-04	3.69E-04	2.24E-04
1645	564036.5	4191400	0.003109736	4.87E-04	3.49E-04	2.11E-04
1646	564034.3	4191390	0.002930526	4.59E-04	3.29E-04	1.99E-04
1647	564032.1	4191381	0.002757789	4.32E-04	3.09E-04	1.87E-04
1648	564029.9	4191372	0.002592368	4.06E-04	2.91E-04	1.76E-04
1649	564027.7	4191362	0.002435473	3.82E-04	2.73E-04	1.65E-04
1650	564025.6	4191353	0.002289315	3.59E-04	2.57E-04	1.56E-04
1651	564023.4	4191343	0.002156947	3.38E-04	2.42E-04	1.47E-04
1652	564021.2	4191334	0.00204221	3.20E-04	2.29E-04	1.39E-04
1653	564019	4191324	0.001941	3.04E-04	2.18E-04	1.32E-04
1654	564016.8	4191315	0.001853789	2.90E-04	2.08E-04	1.26E-04
1655	564264.8	4191653	0.006165631	9.66E-04	6.92E-04	4.19E-04
1656	564274.7	4191654	0.006090472	9.54E-04	6.83E-04	4.14E-04
1657	564284.5	4191656	0.006011157	9.42E-04	6.74E-04	4.08E-04
1658	564294.4	4191657	0.005928999	9.29E-04	6.65E-04	4.03E-04

1659	564238.8	4191648	0.006347999	9.94E-04	7.12E-04	4.31E-04
1660	564230.6	4191643	0.006528841	1.02E-03	7.32E-04	4.43E-04
1661	564222.4	4191638	0.006704578	1.05E-03	7.52E-04	4.55E-04
1662	564214.2	4191633	0.006864684	1.08E-03	7.70E-04	4.66E-04
1663	564206.1	4191628	0.007005262	1.10E-03	7.86E-04	4.76E-04
1664	564197.9	4191623	0.007123262	1.12E-03	7.99E-04	4.84E-04
1665	564189.7	4191618	0.007215999	1.13E-03	8.09E-04	4.90E-04
1666	564181.5	4191613	0.007279473	1.14E-03	8.17E-04	4.94E-04
1667	564173.3	4191608	0.007311262	1.15E-03	8.20E-04	4.97E-04
1668	564148.8	4191593	0.007203578	1.13E-03	8.08E-04	4.89E-04
1669	564140.6	4191588	0.007097157	1.11E-03	7.96E-04	4.82E-04
1670	564132.5	4191583	0.006961735	1.09E-03	7.81E-04	4.73E-04
1671	564124.3	4191578	0.006795209	1.06E-03	7.62E-04	4.62E-04
1672	564116.1	4191572	0.00660021	1.03E-03	7.40E-04	4.48E-04
1673	564107.9	4191567	0.006380631	1.00E-03	7.16E-04	4.33E-04
1674	564099.8	4191562	0.00614442	9.63E-04	6.89E-04	4.17E-04
1675	564091.6	4191557	0.005895473	9.24E-04	6.61E-04	4.00E-04
1676	564083.4	4191552	0.005638999	8.83E-04	6.33E-04	3.83E-04
1677	564075.2	4191547	0.005372473	8.42E-04	6.03E-04	3.65E-04
1678	564067	4191542	0.005105473	8.00E-04	5.73E-04	3.47E-04
1679	564052.4	4191509	0.004592315	7.19E-04	5.15E-04	3.12E-04
1680	564050.2	4191500	0.004489105	7.03E-04	5.04E-04	3.05E-04
1681	564048.1	4191491	0.004374157	6.85E-04	4.91E-04	2.97E-04
1682	564045.9	4191481	0.004248946	6.66E-04	4.77E-04	2.89E-04
1683	564043.7	4191472	0.00411742	6.45E-04	4.62E-04	2.80E-04
1684	564041.6	4191463	0.003980789	6.24E-04	4.47E-04	2.70E-04
1685	564039.4	4191453	0.003839526	6.01E-04	4.31E-04	2.61E-04
1686	564037.2	4191444	0.003690736	5.78E-04	4.14E-04	2.51E-04
1687	564035.1	4191435	0.003534315	5.54E-04	3.96E-04	2.40E-04
1688	564032.9	4191425	0.003369894	5.28E-04	3.78E-04	2.29E-04
1689	564030.8	4191416	0.003201684	5.02E-04	3.59E-04	2.17E-04
1690	564028.6	4191407	0.003031894	4.75E-04	3.40E-04	2.06E-04
1691	564026.4	4191397	0.002867368	4.49E-04	3.22E-04	1.95E-04
1692	564024.3	4191388	0.002707421	4.24E-04	3.04E-04	1.84E-04
1693	564022.1	4191379	0.002553263	4.00E-04	2.86E-04	1.73E-04
1694	564019.9	4191369	0.002402894	3.76E-04	2.70E-04	1.63E-04
1695	564017.8	4191360	0.002262157	3.54E-04	2.54E-04	1.54E-04
1696	564015.6	4191351	0.002132105	3.34E-04	2.39E-04	1.45E-04
1697	564013.5	4191341	0.002016158	3.16E-04	2.26E-04	1.37E-04
1698	564011.3	4191332	0.001913368	3.00E-04	2.15E-04	1.30E-04
1699	564009.1	4191323	0.001822684	2.86E-04	2.04E-04	1.24E-04
1700	564007	4191313	0.001743789	2.73E-04	1.96E-04	1.18E-04
1701	564349.8	4191362	0.62853	9.85E-02	7.05E-02	4.27E-02
1702	564352.5	4191346	0.98259	1.54E-01	1.10E-01	6.67E-02
1703	564355.3	4191330	1.151193	1.80E-01	1.29E-01	7.82E-02
1704	564361	4191356	0.5045094	7.90E-02	5.66E-02	3.43E-02
1705	564363.7	4191340	0.8196911	1.28E-01	9.20E-02	5.57E-02
1706	564350.1	4191387	0.215168	3.37E-02	2.41E-02	1.46E-02
1707	564370.9	4191358	0.3294367	5.16E-02	3.70E-02	2.24E-02
1708	564373.6	4191342	0.5313082	8.32E-02	5.96E-02	3.61E-02
1709	564376.3	4191326	0.6729645	1.05E-01	7.55E-02	4.57E-02
1710	564367.3	4191387	0.1607973	2.52E-02	1.80E-02	1.09E-02

1711	564355.9	4191395	0.1498394	2.35E-02	1.68E-02	1.02E-02
1712	564380.7	4191360	0.2278782	3.57E-02	2.56E-02	1.55E-02
1713	564383.5	4191344	0.3410948	5.34E-02	3.83E-02	2.32E-02
1714	564377.2	4191388	0.1283805	2.01E-02	1.44E-02	8.72E-03
1715	564361.8	4191403	0.1103334	1.73E-02	1.24E-02	7.49E-03
1716	564347.1	4191407	0.115704	1.81E-02	1.30E-02	7.86E-03
1717	564367.6	4191411	0.08468831	1.33E-02	9.50E-03	5.75E-03
1718	564352.9	4191415	0.08921809	1.40E-02	1.00E-02	6.06E-03
1719	564373.5	4191419	0.06694325	1.05E-02	7.51E-03	4.55E-03
1720	564358.8	4191423	0.07076836	1.11E-02	7.94E-03	4.81E-03
1721	564344	4191426	0.07170341	1.12E-02	8.04E-03	4.87E-03
1722	564364.6	4191431	0.05737215	8.99E-03	6.44E-03	3.90E-03
1723	564349.9	4191435	0.05862994	9.18E-03	6.58E-03	3.98E-03
1724	564370.4	4191439	0.0473501	7.42E-03	5.31E-03	3.22E-03
1725	564355.7	4191443	0.04872552	7.63E-03	5.47E-03	3.31E-03
1726	564341	4191446	0.04856284	7.61E-03	5.45E-03	3.30E-03
1727	564430	4191368	0.06479046	1.01E-02	7.27E-03	4.40E-03
1728	564432.7	4191352	0.07281657	1.14E-02	8.17E-03	4.95E-03
1729	564435.5	4191336	0.09609441	1.51E-02	1.08E-02	6.53E-03
1730	564426.5	4191397	0.05096957	7.98E-03	5.72E-03	3.46E-03
1731	564361.6	4191451	0.04106068	6.43E-03	4.61E-03	2.79E-03
1732	564346.8	4191454	0.04128289	6.47E-03	4.63E-03	2.80E-03
1733	564439.9	4191370	0.05388673	8.44E-03	6.04E-03	3.66E-03
1734	564442.6	4191354	0.05927162	9.29E-03	6.65E-03	4.03E-03
1735	564445.3	4191338	0.07514852	1.18E-02	8.43E-03	5.10E-03
1736	564436.3	4191399	0.04382131	6.86E-03	4.92E-03	2.98E-03
1737	564428.3	4191411	0.04106363	6.43E-03	4.61E-03	2.79E-03
1738	564420.3	4191424	0.03767231	5.90E-03	4.23E-03	2.56E-03
1739	564367.4	4191459	0.03503121	5.49E-03	3.93E-03	2.38E-03
1740	564449.7	4191371	0.04541936	7.12E-03	5.10E-03	3.09E-03
1741	564452.5	4191355	0.04898968	7.67E-03	5.50E-03	3.33E-03
1742	564455.2	4191339	0.05976415	9.36E-03	6.70E-03	4.06E-03
1743	564446.2	4191400	0.03804989	5.96E-03	4.27E-03	2.58E-03
1744	564438.1	4191413	0.03603521	5.65E-03	4.04E-03	2.45E-03
1745	564430.1	4191426	0.0333501	5.22E-03	3.74E-03	2.27E-03
1746	564422.1	4191439	0.03064168	4.80E-03	3.44E-03	2.08E-03
1747	564459.6	4191373	0.038753	6.07E-03	4.35E-03	2.63E-03
1748	564462.3	4191357	0.04115594	6.45E-03	4.62E-03	2.80E-03
1749	564465.1	4191341	0.04861068	7.62E-03	5.45E-03	3.30E-03
1750	564456	4191402	0.03336642	5.23E-03	3.74E-03	2.27E-03
1751	564448	4191415	0.03186652	4.99E-03	3.57E-03	2.16E-03
1752	564440	4191428	0.02968794	4.65E-03	3.33E-03	2.02E-03
1753	564432	4191441	0.02746294	4.30E-03	3.08E-03	1.87E-03
1754	564423.9	4191453	0.02532026	3.97E-03	2.84E-03	1.72E-03
1755	564349.6	4191482	0.02686373	4.21E-03	3.01E-03	1.82E-03
1756	564334.9	4191486	0.026425	4.14E-03	2.96E-03	1.79E-03
1757	564469.4	4191375	0.03342326	5.24E-03	3.75E-03	2.27E-03
1758	564472.2	4191359	0.03506147	5.49E-03	3.93E-03	2.38E-03
1759	564474.9	4191343	0.04030662	6.31E-03	4.52E-03	2.74E-03
1760	564465.9	4191404	0.02946168	4.62E-03	3.31E-03	2.00E-03
1761	564457.9	4191417	0.02837557	4.45E-03	3.18E-03	1.93E-03
1762	564449.8	4191429	0.02659326	4.17E-03	2.98E-03	1.81E-03

1763	564441.8	4191442	0.02473015	3.87E-03	2.77E-03	1.68E-03
1764	564433.8	4191455	0.02297247	3.60E-03	2.58E-03	1.56E-03
1765	564425.8	4191468	0.021278	3.33E-03	2.39E-03	1.45E-03
1766	564355.5	4191490	0.02375736	3.72E-03	2.67E-03	1.61E-03
1767	564340.8	4191494	0.02350252	3.68E-03	2.64E-03	1.60E-03
1768	564479.3	4191376	0.02908905	4.56E-03	3.26E-03	1.98E-03
1769	564482	4191360	0.03022015	4.73E-03	3.39E-03	2.05E-03
1770	564484.8	4191344	0.03396778	5.32E-03	3.81E-03	2.31E-03
1771	564475.7	4191405	0.02615226	4.10E-03	2.93E-03	1.78E-03
1772	564467.7	4191418	0.02539115	3.98E-03	2.85E-03	1.72E-03
1773	564459.7	4191431	0.02392621	3.75E-03	2.68E-03	1.63E-03
1774	564451.7	4191444	0.02235363	3.50E-03	2.51E-03	1.52E-03
1775	564443.7	4191457	0.02090426	3.27E-03	2.35E-03	1.42E-03
1776	564435.6	4191470	0.0195001	3.05E-03	2.19E-03	1.32E-03
1777	564361.3	4191498	0.02110879	3.31E-03	2.37E-03	1.43E-03
1778	564346.6	4191502	0.02100531	3.29E-03	2.36E-03	1.43E-03
1779	564331.9	4191505	0.02062721	3.23E-03	2.31E-03	1.40E-03
1780	564489.1	4191378	0.02553658	4.00E-03	2.86E-03	1.73E-03
1781	564491.9	4191362	0.02630663	4.12E-03	2.95E-03	1.79E-03
1782	564494.6	4191346	0.02903215	4.55E-03	3.26E-03	1.97E-03
1783	564484.8	4191408	0.02318447	3.63E-03	2.60E-03	1.57E-03
1784	564476.2	4191422	0.02254973	3.53E-03	2.53E-03	1.53E-03
1785	564467.7	4191436	0.02118015	3.32E-03	2.38E-03	1.44E-03
1786	564459.1	4191449	0.0198971	3.12E-03	2.23E-03	1.35E-03
1787	564450.6	4191463	0.01861489	2.92E-03	2.09E-03	1.26E-03
1788	564442	4191477	0.01737442	2.72E-03	1.95E-03	1.18E-03
1789	564425.6	4191492	0.01665168	2.61E-03	1.87E-03	1.13E-03
1790	564362.8	4191508	0.0188681	2.96E-03	2.12E-03	1.28E-03
1791	564347.1	4191511	0.01877647	2.94E-03	2.11E-03	1.28E-03
1792	564331.3	4191515	0.01846468	2.89E-03	2.07E-03	1.25E-03
1793	564499	4191380	0.02250468	3.53E-03	2.52E-03	1.53E-03
1794	564501.7	4191364	0.02310689	3.62E-03	2.59E-03	1.57E-03
1795	564504.5	4191348	0.02508394	3.93E-03	2.81E-03	1.70E-03
1796	564494.7	4191410	0.02072394	3.25E-03	2.32E-03	1.41E-03
1797	564486.2	4191424	0.02031468	3.18E-03	2.28E-03	1.38E-03
1798	564477.7	4191437	0.01924784	3.02E-03	2.16E-03	1.31E-03
1799	564469.1	4191451	0.01804958	2.83E-03	2.02E-03	1.23E-03
1800	564460.6	4191465	0.01705173	2.67E-03	1.91E-03	1.16E-03
1801	564452.1	4191478	0.01589273	2.49E-03	1.78E-03	1.08E-03
1802	564431.5	4191501	0.01486358	2.33E-03	1.67E-03	1.01E-03
1803	564415.8	4191504	0.0157061	2.46E-03	1.76E-03	1.07E-03
1804	564353.2	4191519	0.01693263	2.65E-03	1.90E-03	1.15E-03
1805	564337.6	4191523	0.01675252	2.62E-03	1.88E-03	1.14E-03
1806	564508.9	4191381	0.02001542	3.14E-03	2.25E-03	1.36E-03
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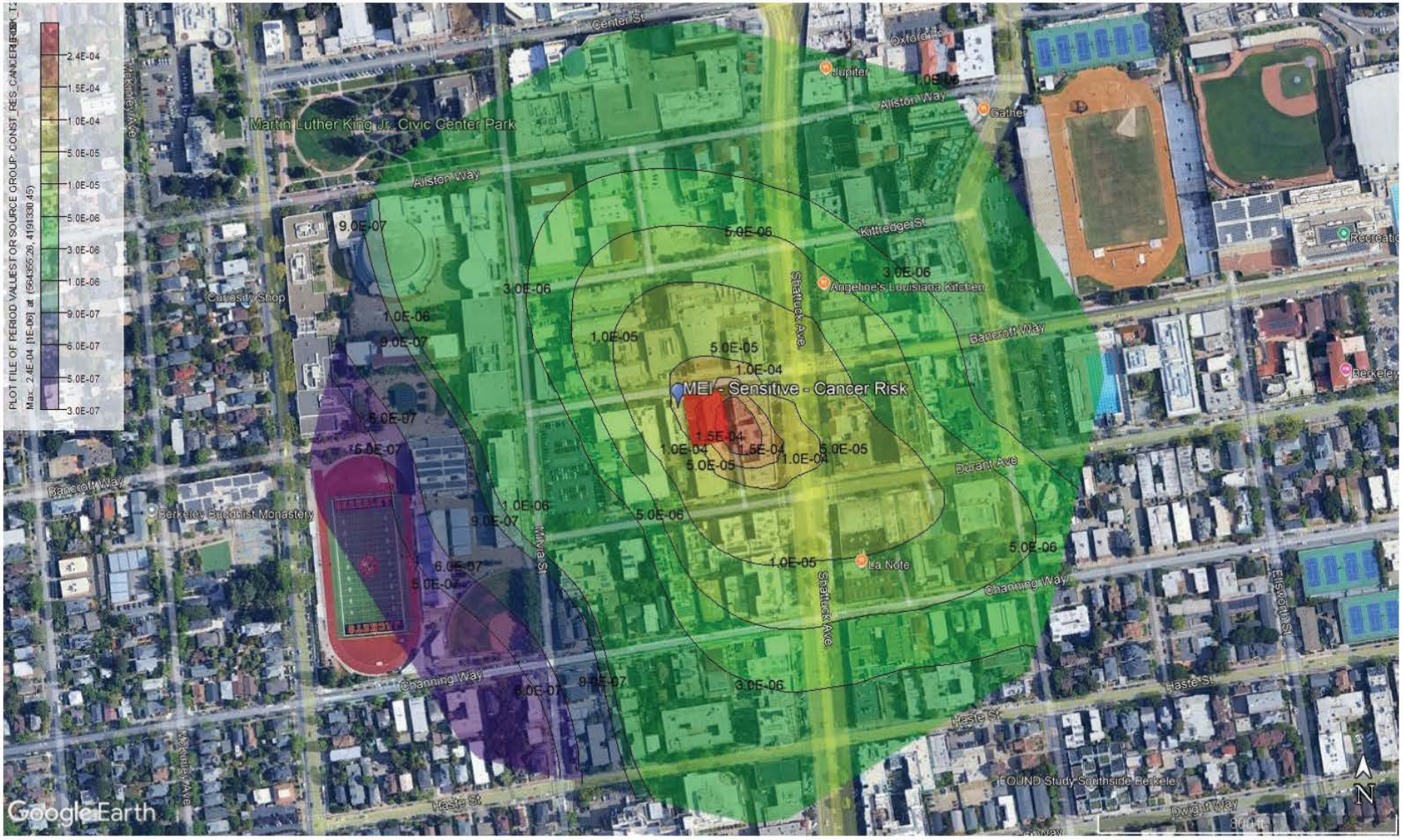
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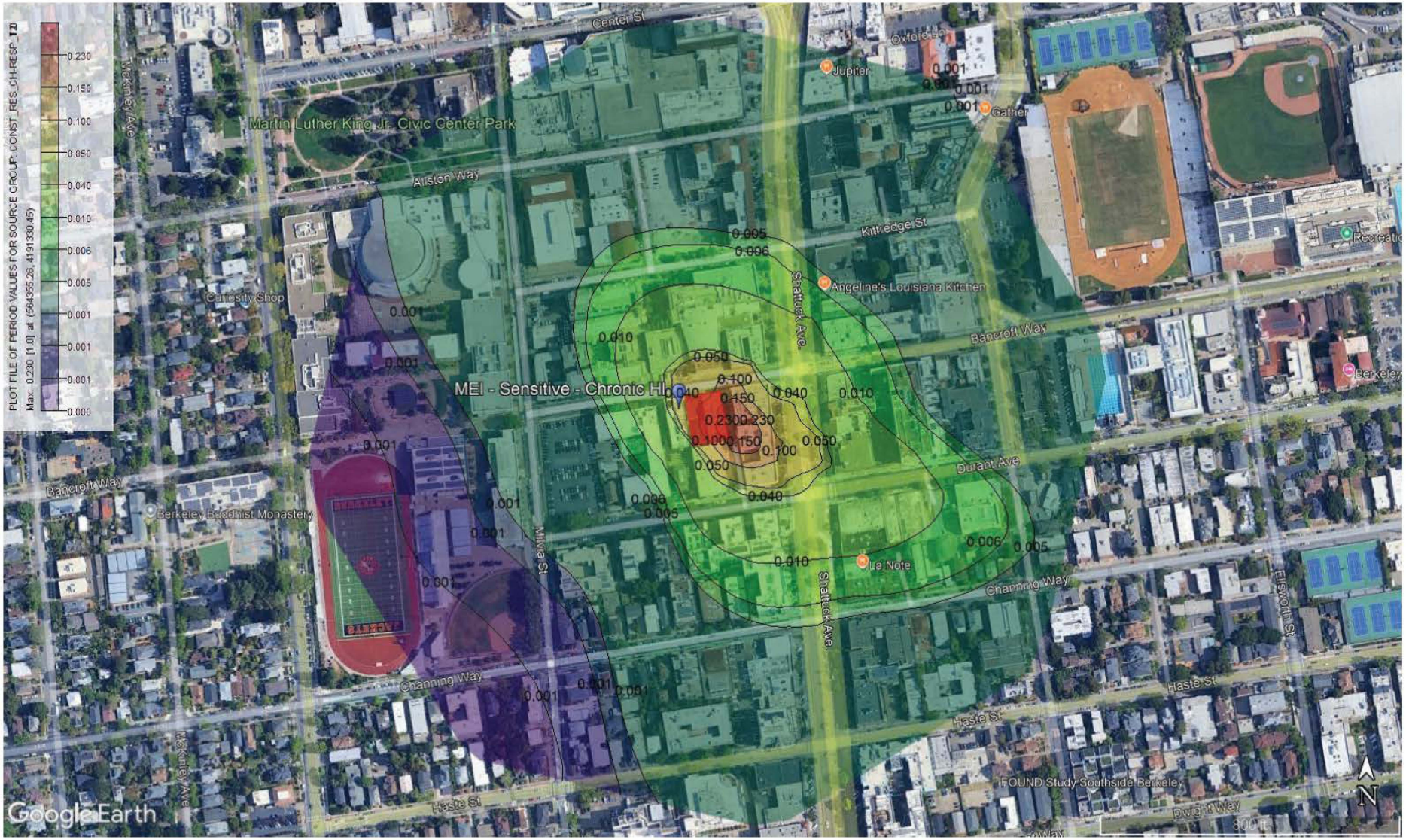
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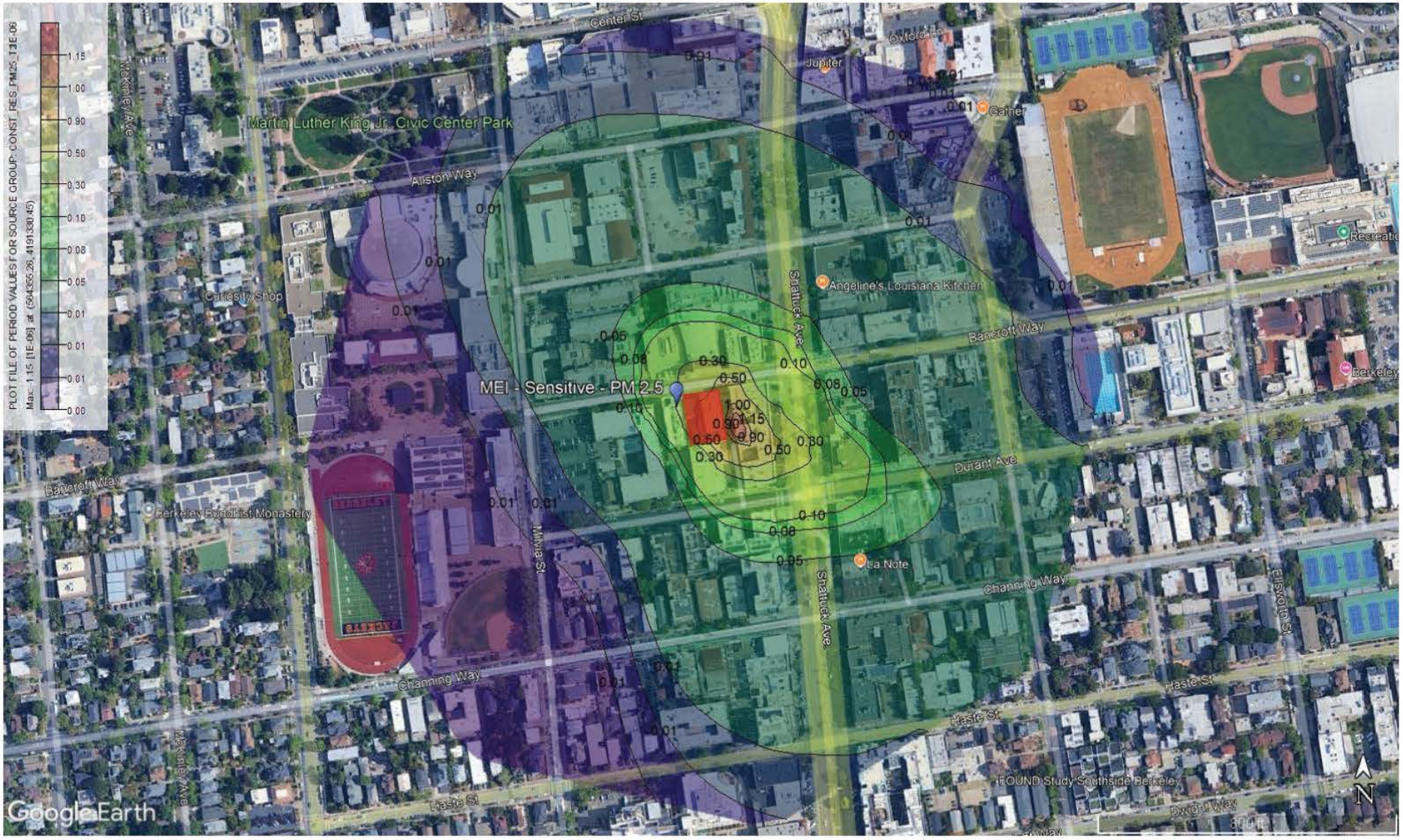
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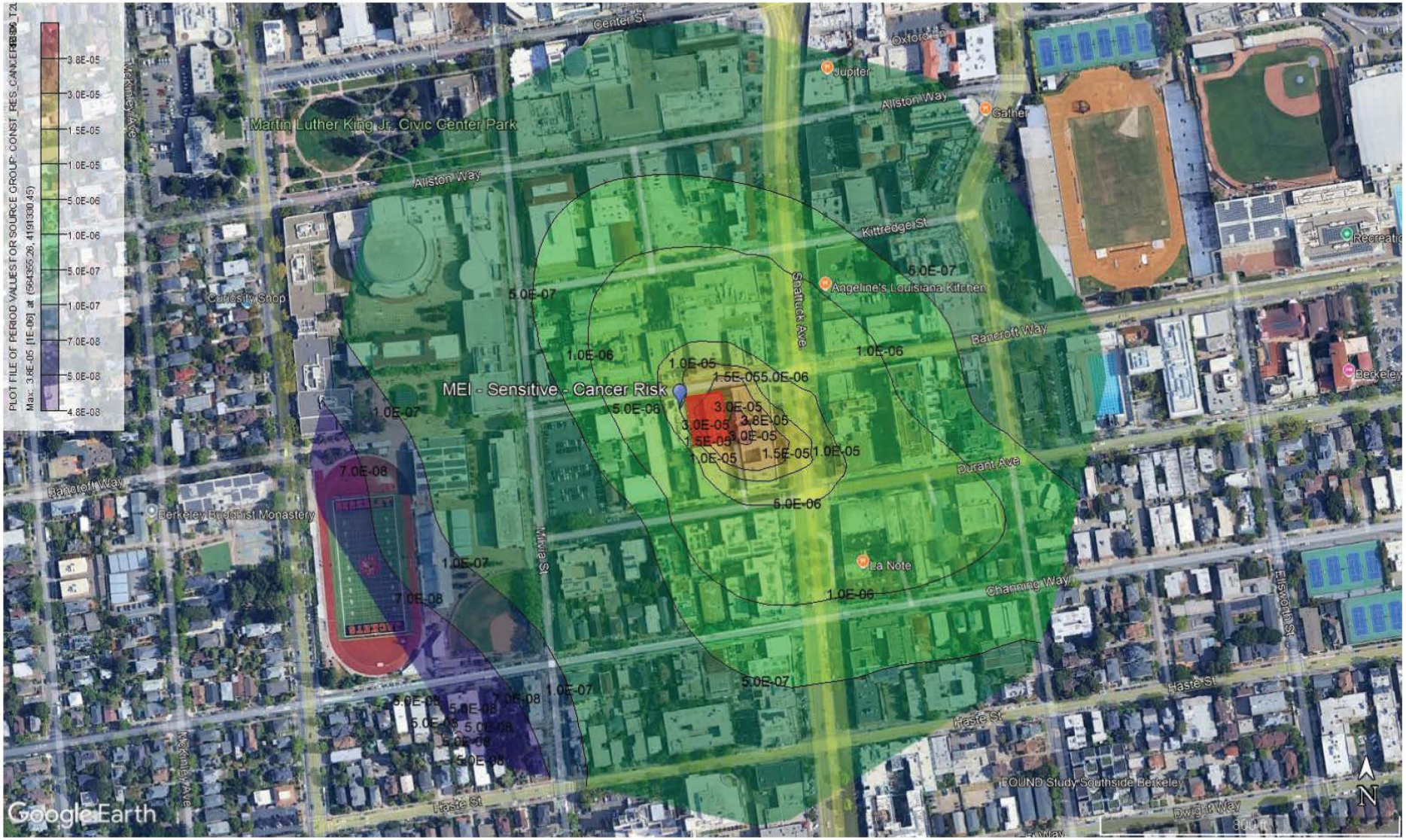
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1992	564309.6	4191654	0.00602242	9.43E-04	6.76E-04	4.09E-04
1993	564637	4191403	0.006473472	1.01E-03	7.26E-04	4.40E-04
1994	564639.7	4191387	0.006367683	9.98E-04	7.14E-04	4.33E-04
1995	564642.5	4191371	0.006340525	9.93E-04	7.11E-04	4.31E-04
1996	564632.6	4191434	0.006474736	1.01E-03	7.26E-04	4.40E-04
1997	564624	4191447	0.006625209	1.04E-03	7.43E-04	4.50E-04
1998	564615.5	4191461	0.006650157	1.04E-03	7.46E-04	4.52E-04
1999	564606.9	4191475	0.006550736	1.03E-03	7.35E-04	4.45E-04
2000	564598.3	4191489	0.006358789	9.96E-04	7.13E-04	4.32E-04
2001	564589.7	4191502	0.006120946	9.59E-04	6.87E-04	4.16E-04
2002	564538.3	4191585	0.005033789	7.89E-04	5.65E-04	3.42E-04
2003	564529.7	4191599	0.004896578	7.67E-04	5.49E-04	3.33E-04
2004	564513.3	4191614	0.004839999	7.58E-04	5.43E-04	3.29E-04
2005	564497.5	4191618	0.005021157	7.87E-04	5.63E-04	3.41E-04
2006	564481.8	4191622	0.005204683	8.15E-04	5.84E-04	3.54E-04
2007	564466	4191626	0.005373052	8.42E-04	6.03E-04	3.65E-04
2008	564450.3	4191629	0.005519578	8.65E-04	6.19E-04	3.75E-04
2009	564434.6	4191633	0.005634525	8.83E-04	6.32E-04	3.83E-04
2010	564418.8	4191637	0.005717578	8.96E-04	6.41E-04	3.88E-04
2011	564340.1	4191656	0.005808526	9.10E-04	6.52E-04	3.95E-04
2012	564324.4	4191660	0.005749157	9.01E-04	6.45E-04	3.91E-04
2013	564646.8	4191405	0.006052947	9.48E-04	6.79E-04	4.11E-04
2014	564649.6	4191389	0.005950157	9.32E-04	6.67E-04	4.04E-04
2015	564652.3	4191373	0.005912157	9.26E-04	6.63E-04	4.02E-04

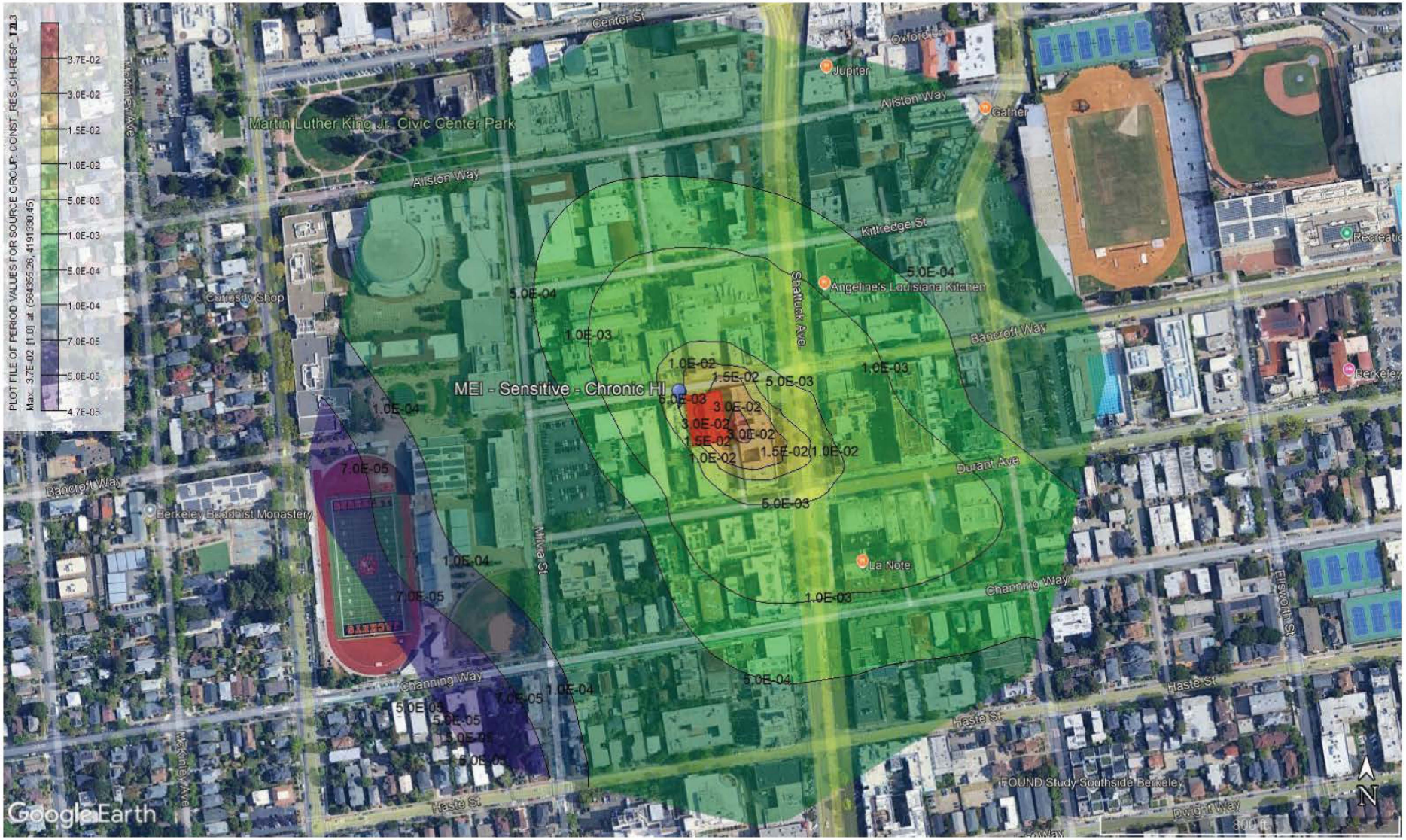

Center St
McKinley Ave
Martin Luther King Jr. Civic Center Park
Alston Way
Curiosity Shop
Kittredge St
Shattuck Ave
Bancroft Way
Berkeley Buddhist Monastery
Durant Ave
Channing Way
Haste St
Dwight Way
Google Earth
N

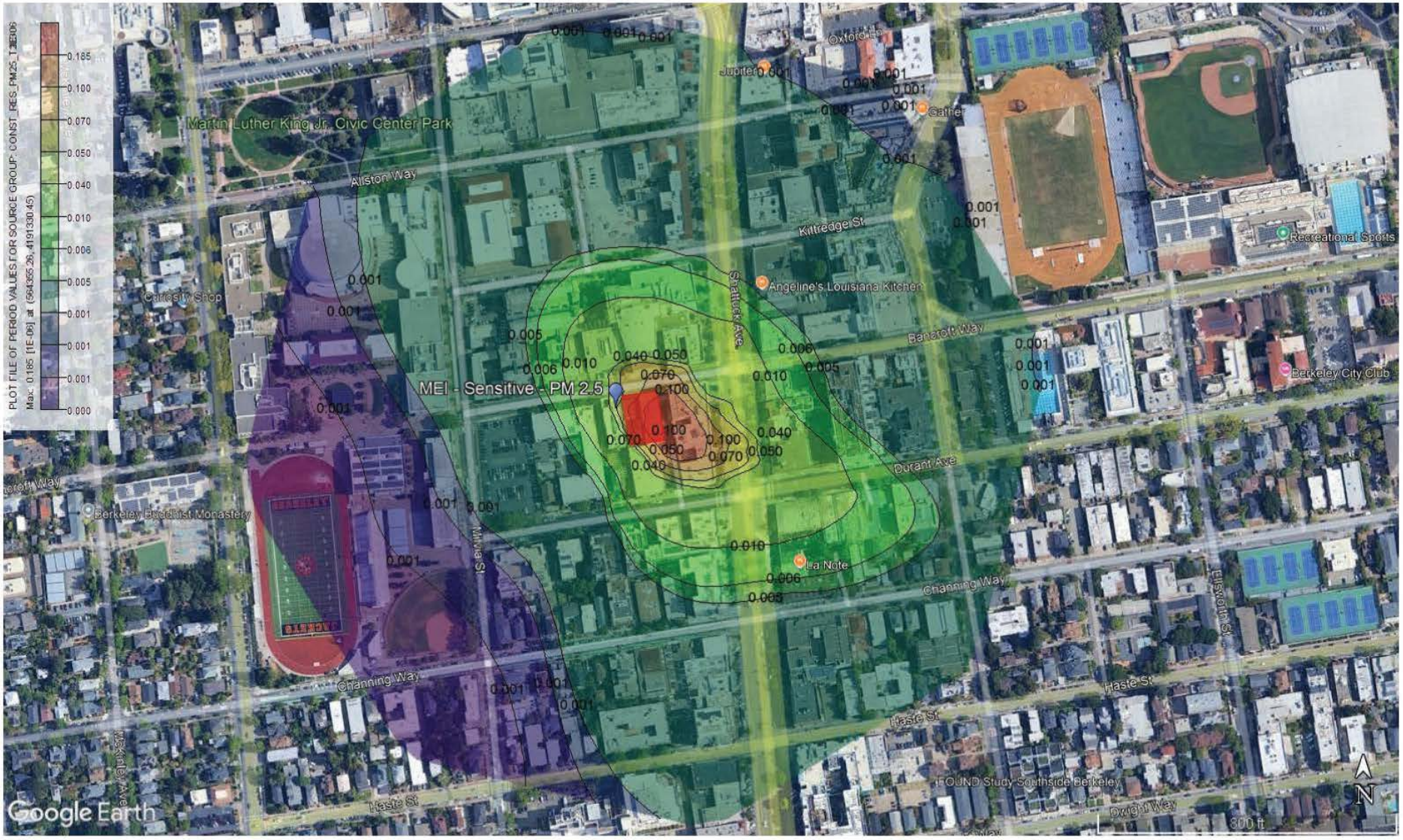

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_CANCERRISK_T4
Max: 2.4E-04 [1E-06] at (564355.26, 4191330.45)
2.4E-04
1.5E-04
1.0E-04
5.0E-05
1.0E-05
5.0E-06
3.0E-06
1.0E-06
9.0E-07
6.0E-07
5.0E-07
3.0E-07
MEI - Sensitive - Cancer Risk
Martin Luther King Jr. Civic Center Park
Center St
Allston Way
Kittredge St
Shattuck Ave.
Bancroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
Oxford St
Jupiter
Gather
Angeline's Louisiana Kitchen
Curiosity Shop
Berkeley Buddhist Monastery
La Note
FOUND Study Southside Berkeley
Google Earth
N

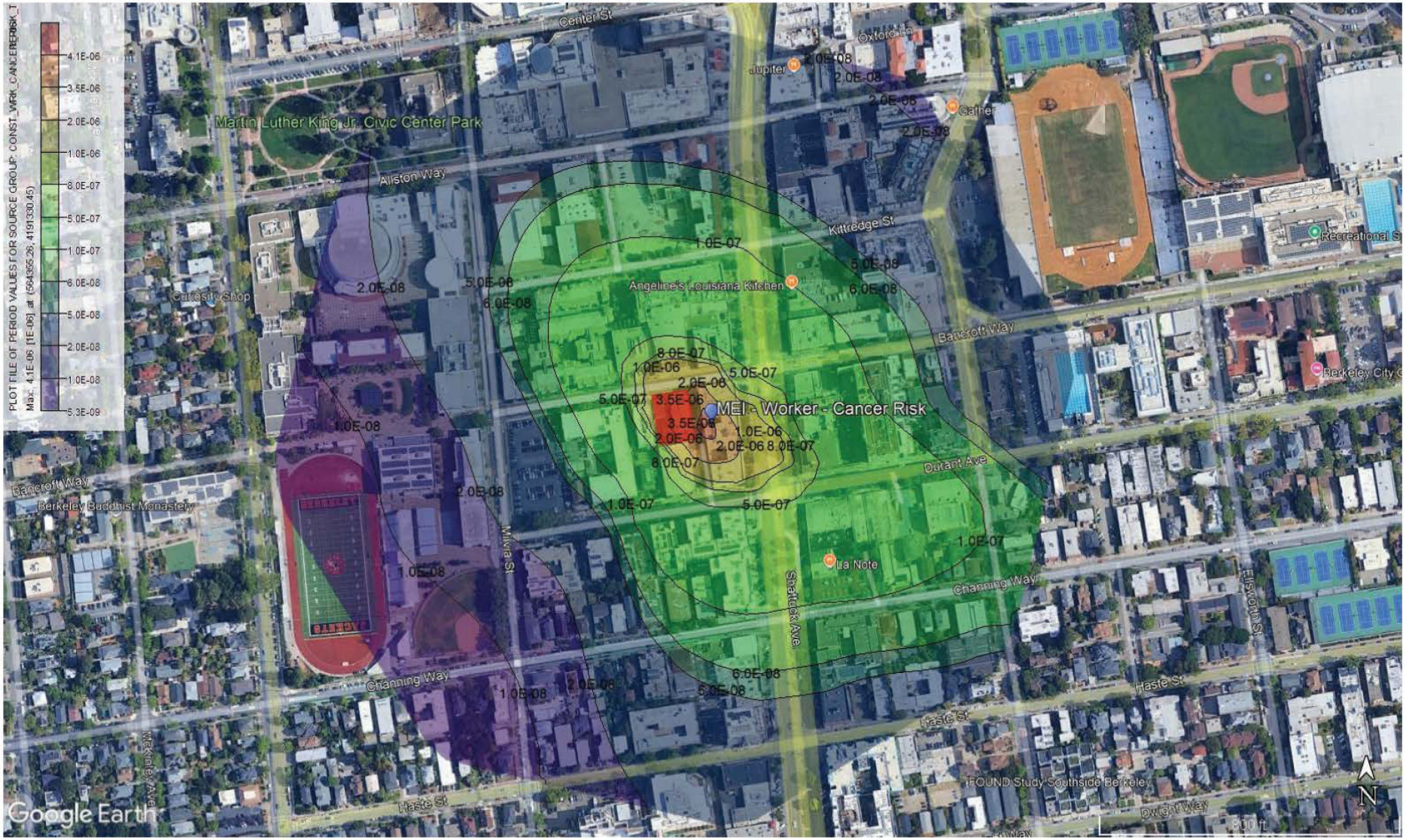

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_CHRESP_T2
Max: 0.230 [1.0] at (564355.26, 4191330.45)
0.230
0.150
0.100
0.050
0.040
0.010
0.006
0.005
0.001
0.001
0.001
0.000
Center St
Martin Luther King Jr. Civic Center Park
Alston Way
Kittredge St
Shattuck Ave
Bancroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
MLK Jr. Way
McKinley Ave
Ellsworth St
Jupiter
Gather
Angeline's Louisiana Kitchen
Curiosity Shop
Berkeley Buddhist Monastery
La Note
FOUND Study Southside Berkeley
MEI - Sensitive - Chronic Hl
Google Earth
800 ft
N

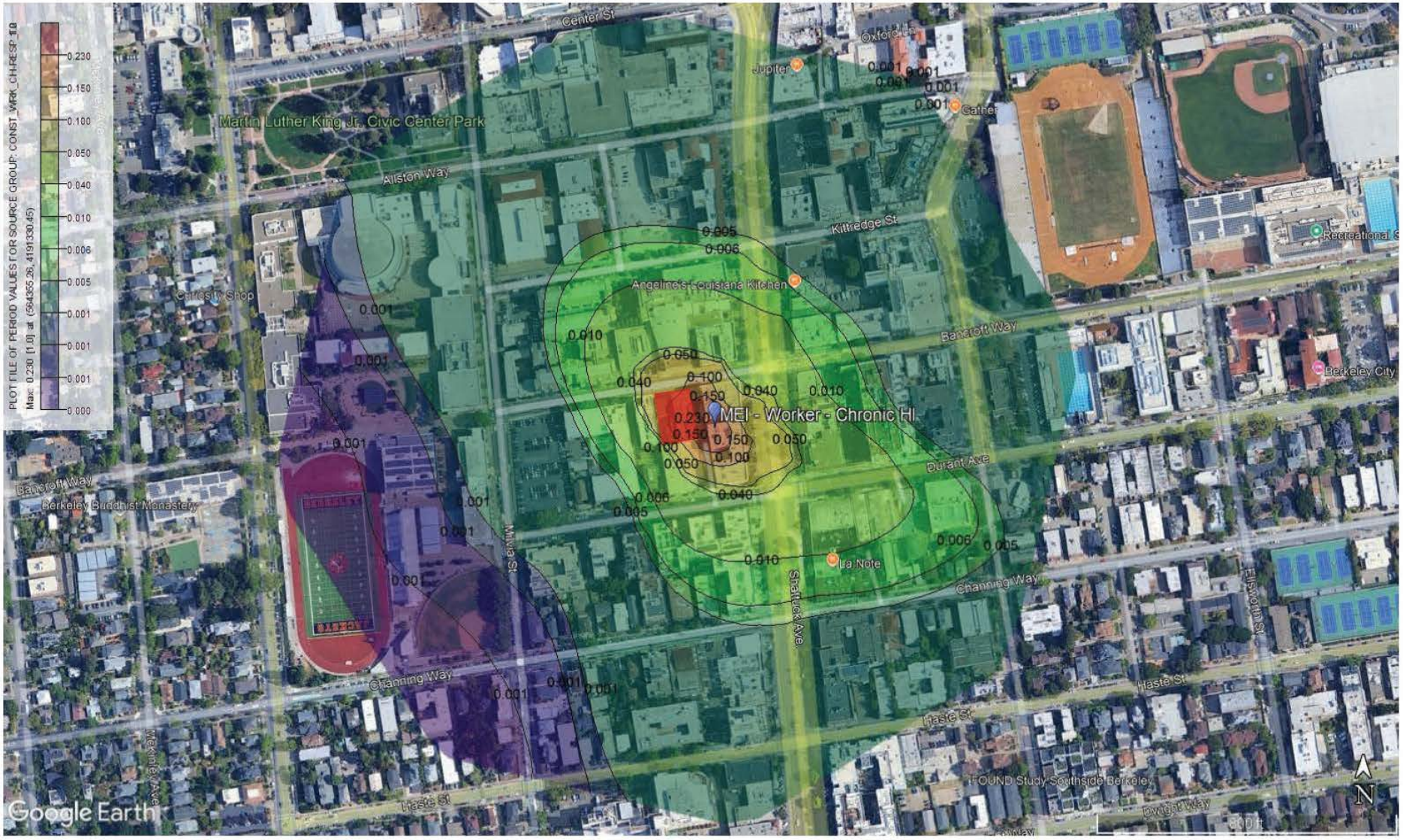

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_PM25_T3E-06
Max: 1.15 (1E-06) at (564355.26, 4191330.45)
1.15
1.00
0.90
0.50
0.30
0.10
0.08
0.05
0.01
0.01
0.00
MEI - Sensitive - PM 2.5
Martin Luther King Jr. Civic Center Park
Center St
Jupiter
Oxford Tap
Gather
Allston Way
McKinley Ave
Curtis St
Shattuck Ave
Angeline's Louisiana Kitchen
Bancroft Way
Berkeley
Durant Ave
Berkeley Buddhist Monastery
MLK Jr. St
La Note
Channing Way
Ellsworth St
Haste St
McKinley Ave
FOUND Study Southside Berkeley
Dwight Way
Google Earth
N
800 ft

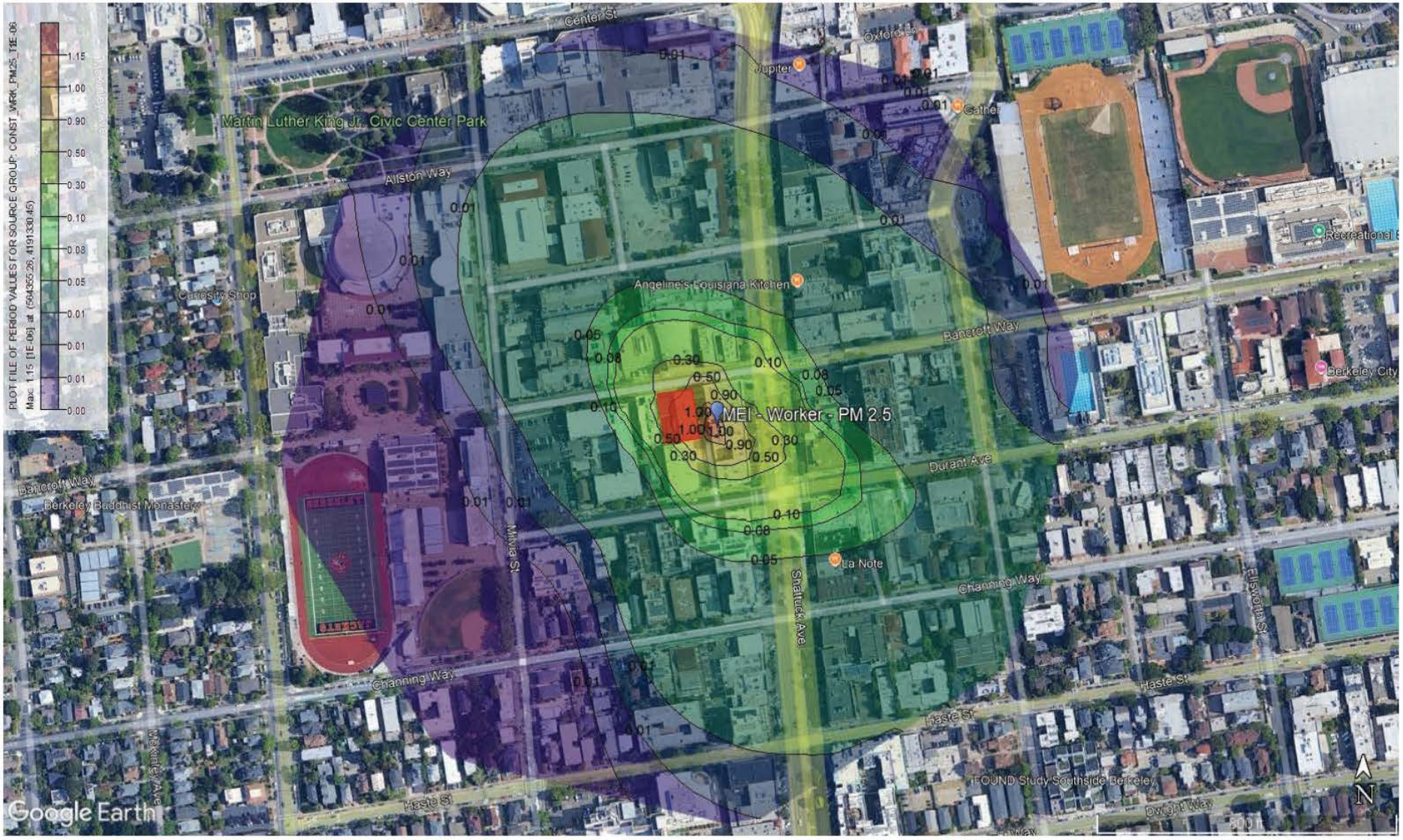

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_CANCER
Max: 3.8E-05 [1E-06] at (564355.26, 4191330.45)
3.8E-05
3.0E-05
1.5E-05
1.0E-05
5.0E-06
1.0E-06
5.0E-07
1.0E-07
7.0E-08
5.0E-08
4.8E-08
MEI - Sensitive - Cancer Risk
Martin Luther King Jr. Civic Center Park
Center St
Allston Way
Kittredge St
Bancroft Way
Durant Ave
Channing Way
Haste St
Oxford St
Shattuck Ave
Milvia St
Martin Luther King Jr Way
Jupiter
Gather
Angeline's Louisiana Kitchen
La Note
Berkeley Buddhist Monastery
Curiosity Shop
FOUND Study Southside Berkeley
Google Earth
N
400 ft

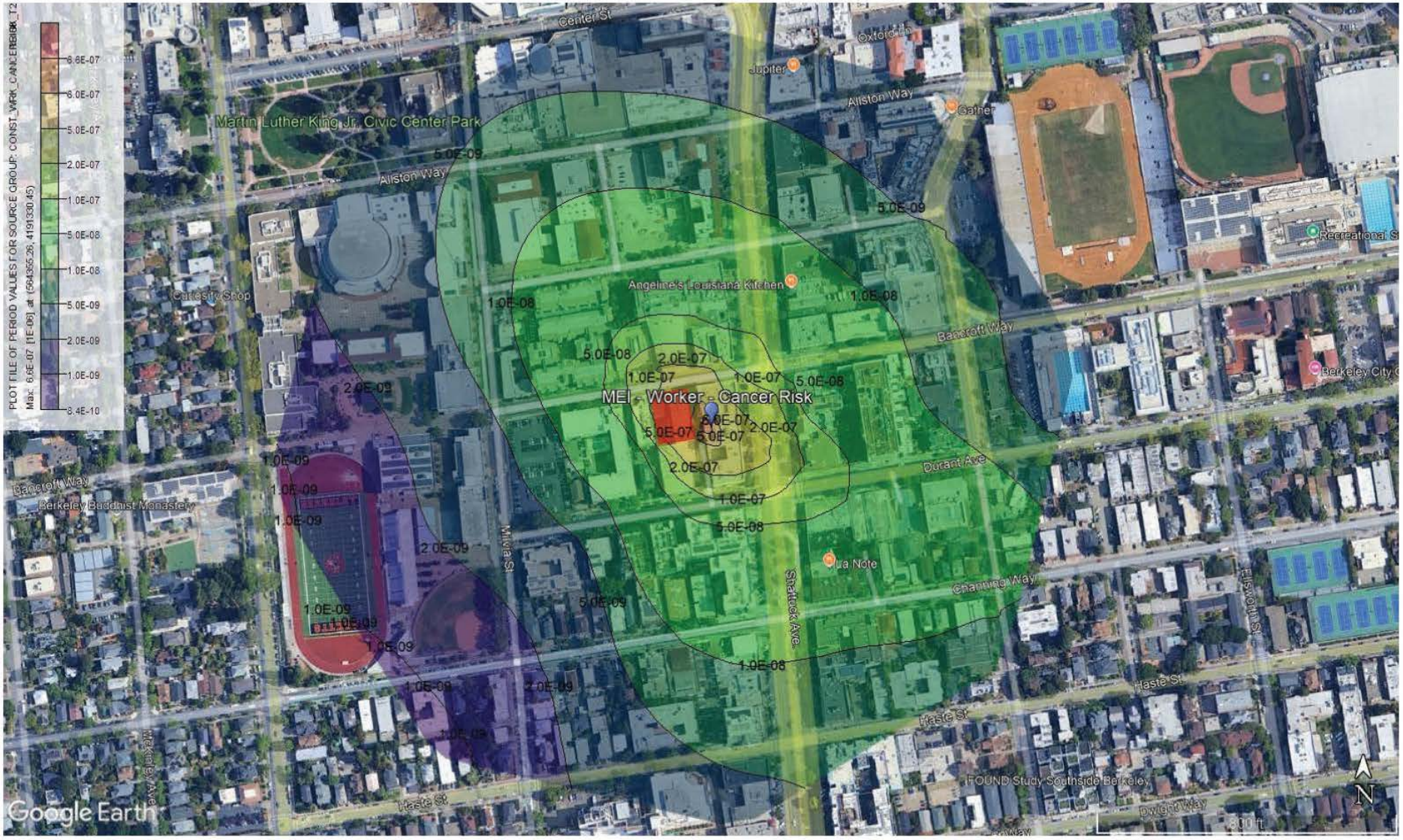

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_CH+RESP_T2L3
Max: 3.7E-02 [1.0] at (564365.26, 4191330.45)
3.7E-02
3.0E-02
1.5E-02
1.0E-02
5.0E-03
1.0E-03
5.0E-04
1.0E-04
7.0E-05
5.0E-05
4.7E-05
MEI - Sensitive - Chronic HI
Martin Luther King Jr. Civic Center Park
Center St
Allston Way
Kittredge St
Bancroft Way
Durant Ave
Channing Way
Haste St
Oxford St
Shattuck Ave
Milvia St
Martin Luther King Jr Way
Jupiter
Gather
Angeline's Louisiana Kitchen
Comedy Shop
Berkeley Buddhist Monastery
La Note
FOUND Study Southside Berkeley
Dwight Way
Ellsworth St
Berkeley
Recreatio
800 ft
N
Google Earth

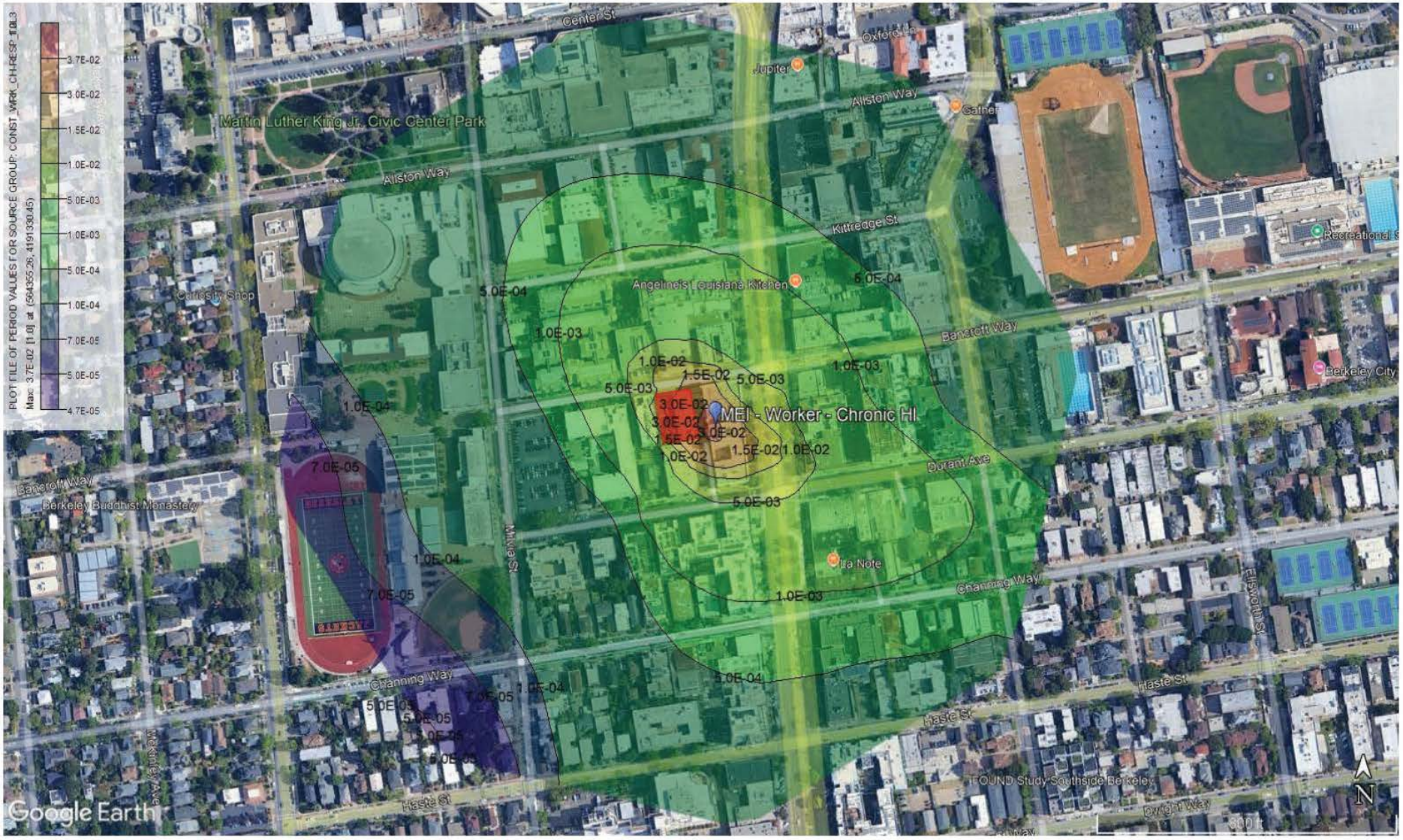

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_PM25_1
Max: 0.185 [1E-06] at (564355.26, 4191330.45)
0.185
0.100
0.070
0.050
0.040
0.010
0.006
0.005
0.001
0.000
Martin Luther King Jr. Civic Center Park
Allston Way
Kittredge St
Shattuck Ave
Bancroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
MEI - Sensitive - PM 2.5
Jupiter
Gather
Angeline's Louisiana Kitchen
Curiosity Shop
Berkeley Buddhist Monastery
La Note
Berkeley City Club
Recreational Sports
FOUND Study Southside Berkeley
McKinley Ave
Milvia St
Ellsworth St
Google Earth
800 ft
N

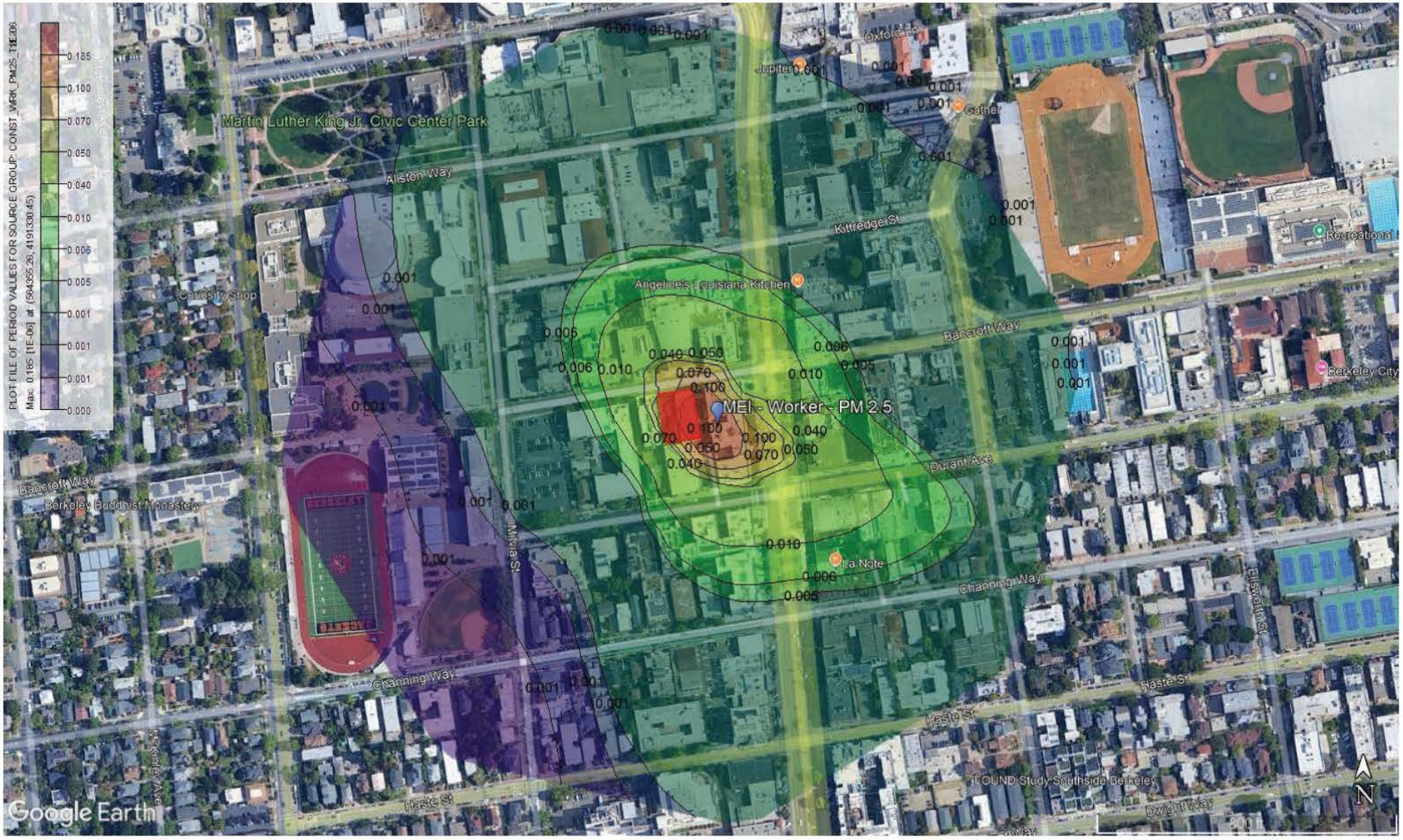

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CANCERRISK_T
Max: 4.1E-06 [1E-06] at (564355.26, 4191330.45)
4.1E-06
3.5E-06
2.0E-06
1.0E-06
8.0E-07
5.0E-07
1.0E-07
6.0E-08
5.0E-08
2.0E-08
1.0E-08
5.3E-09
MEI - Worker - Cancer Risk
Martin Luther King Jr. Civic Center Park
Center St
Oxford St
Jupiter
Gather
Allston Way
Kittredge St
Angeline's Louisiana Kitchen
Curiosity Shop
Bancroft Way
Berkeley Buddhist Monastery
Durant Ave
La Note
Channing Way
Milvia St
Shattuck Ave
Ellsworth St
Haste St
McKinley Ave
FOUND Study Southside Berkeley
Dwight Way
Recreational S
Berkeley City C
Google Earth
N
300 ft

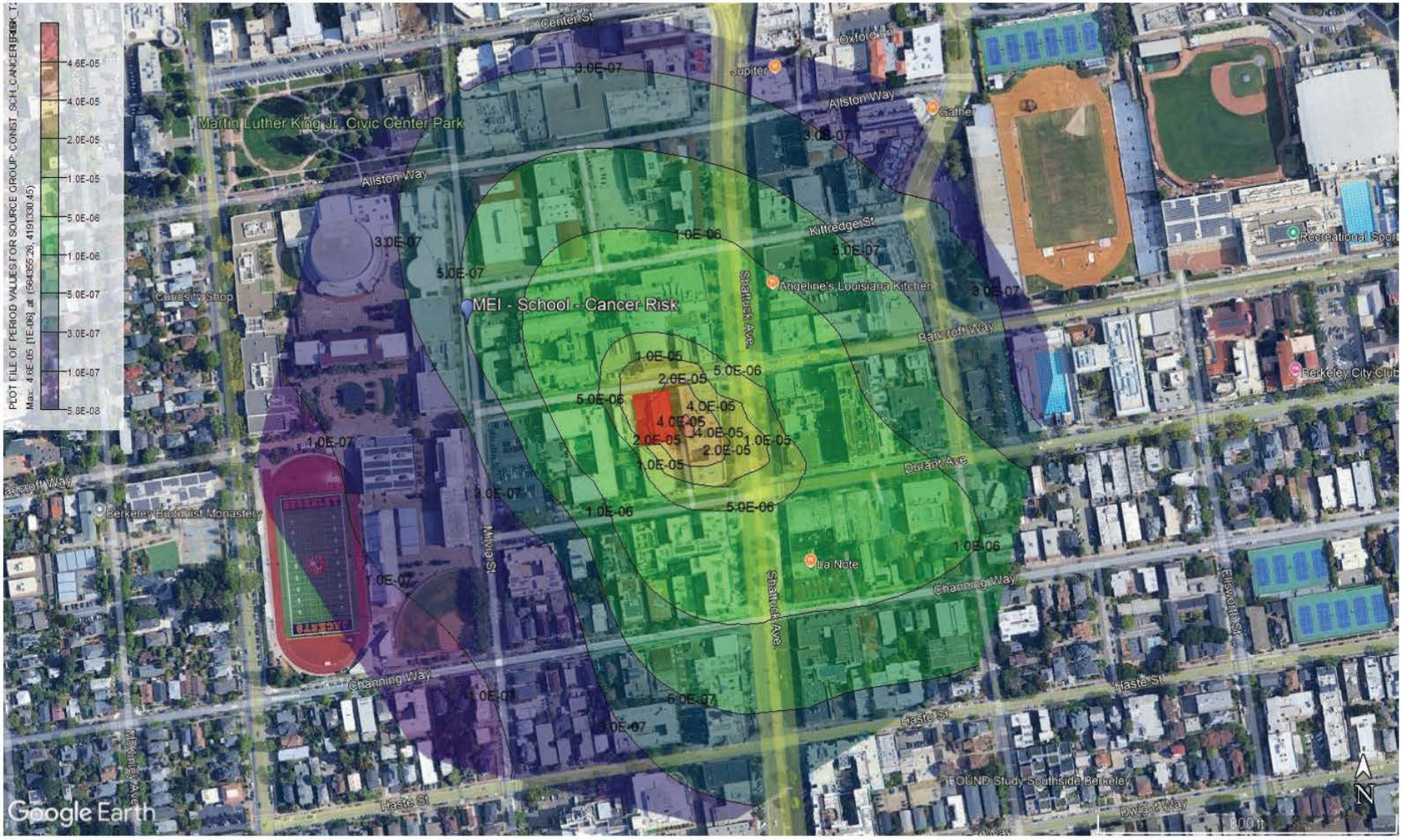

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CHRESP_10
Max: 0.230 [1.0] at (564365.26, 4191330.45)
0.230
0.150
0.100
0.050
0.040
0.010
0.006
0.005
0.001
0.001
0.001
0.000
Martin Luther King Jr. Civic Center Park
Center St
Allston Way
Kittredge St
Bancroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
Shattuck Ave
Milvia St
Ellsworth St
MacKinley Ave
Jupiter
Gather
Oxford Tap
Angeline's Louisiana Kitchen
Cheese Board Collective
Berkeley Buddhist Monastery
La Note
Berkeley City
Recreational
MEI - Worker - Chronic HI
0.230
0.150
0.100
0.050
0.040
0.010
0.006
0.005
0.001
FOUND Study-Southside Berkeley
Google Earth
N

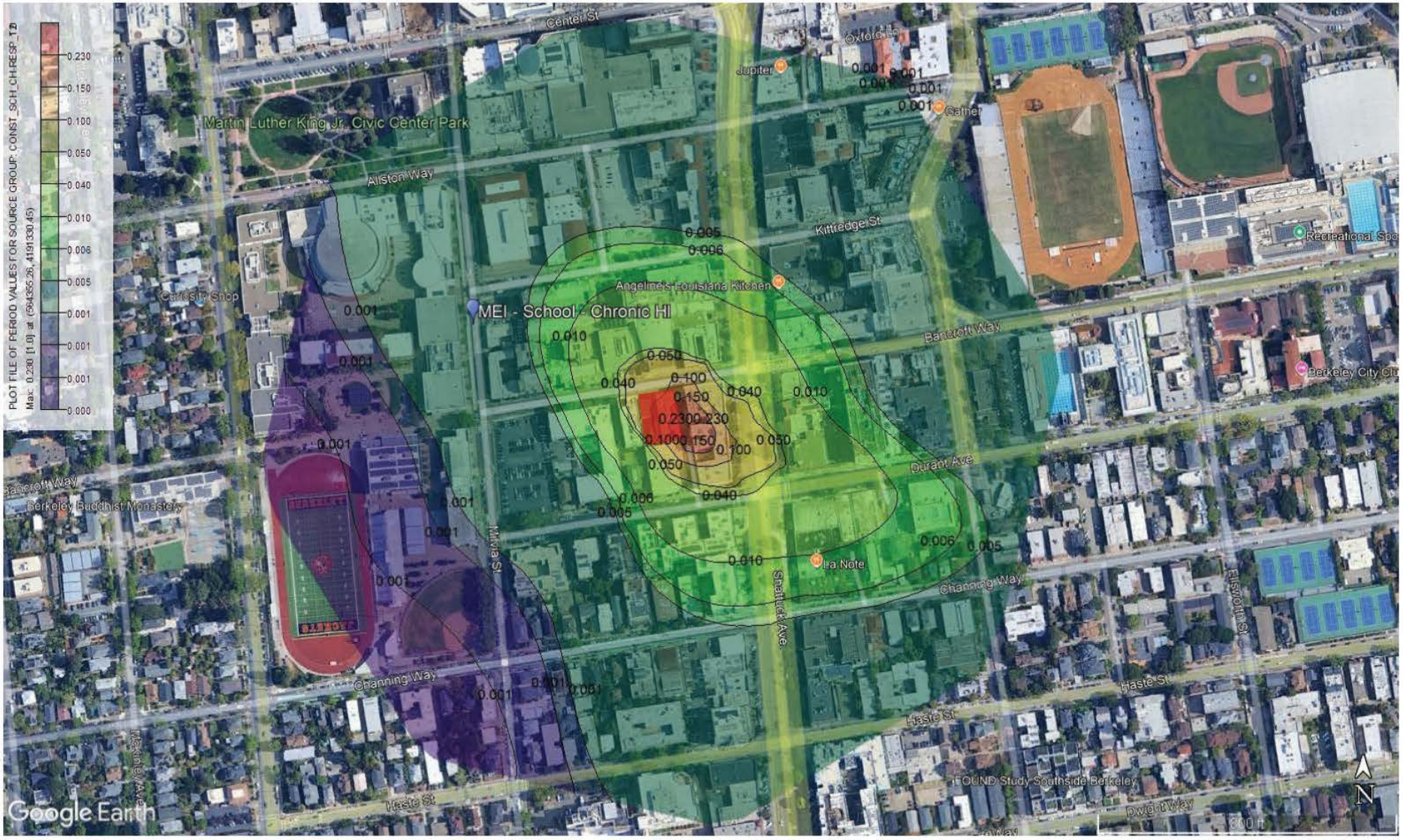

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_PM25_T1E-06
Max: 1.15 (1E-06) at (564355.26, 4191330.45)
1.15
1.00
0.90
0.50
0.30
0.10
0.08
0.05
0.01
0.01
0.00
MEI - Worker - PM 2.5
Martin Luther King Jr. Civic Center Park
Center St
Allston Way
Bancroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
Shattuck Ave
Milvia St
Jupiter
Angelina's Louisiana Kitchen
La Note
Berkeley Buddhist Monastery
TEOUND Study Southside Berkeley
Google Earth
N

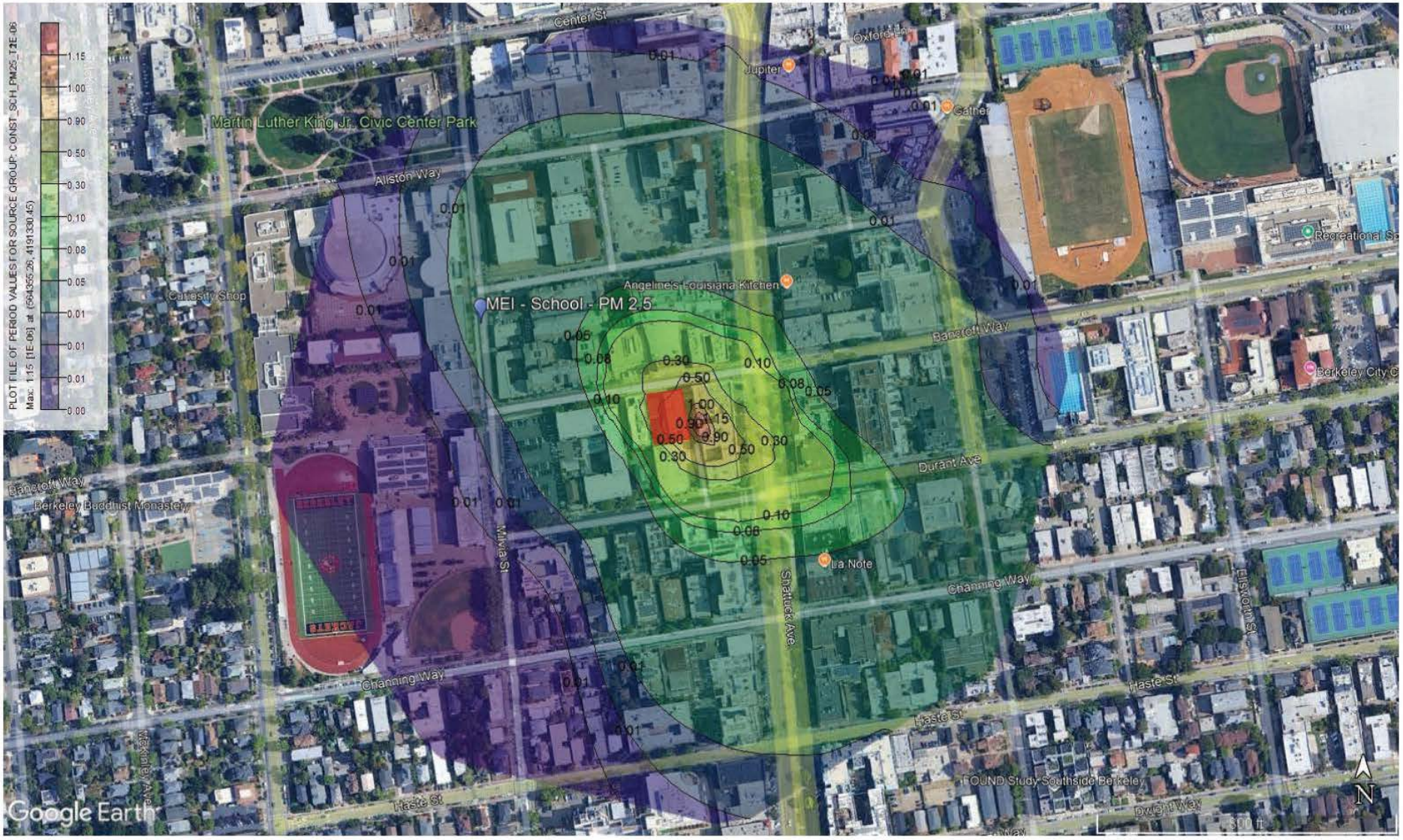

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CANCERRISK_T2
Max: 6.6E-07 [1E-06] at (564365.26, 4191330.45)
6.6E-07
6.0E-07
5.0E-07
2.0E-07
1.0E-07
5.0E-08
1.0E-08
5.0E-09
2.0E-09
1.0E-09
8.4E-10
MEI - Worker - Cancer Risk
Martin Luther King Jr. Civic Center Park
Center St
Oxford St
Jupiter
Allston Way
Gather
Angeline's Louisiana Kitchen
Bancroft Way
Durant Ave
Berkeley Buddhist Monastery
Milvia St
Shattuck Ave
La Note
Channing Way
Ellsworth St
Haste St
FOUND Study Southside Berkeley
Dwight Way
Mabel Ave
Courtesy Shop
Google Earth
300 ft
N

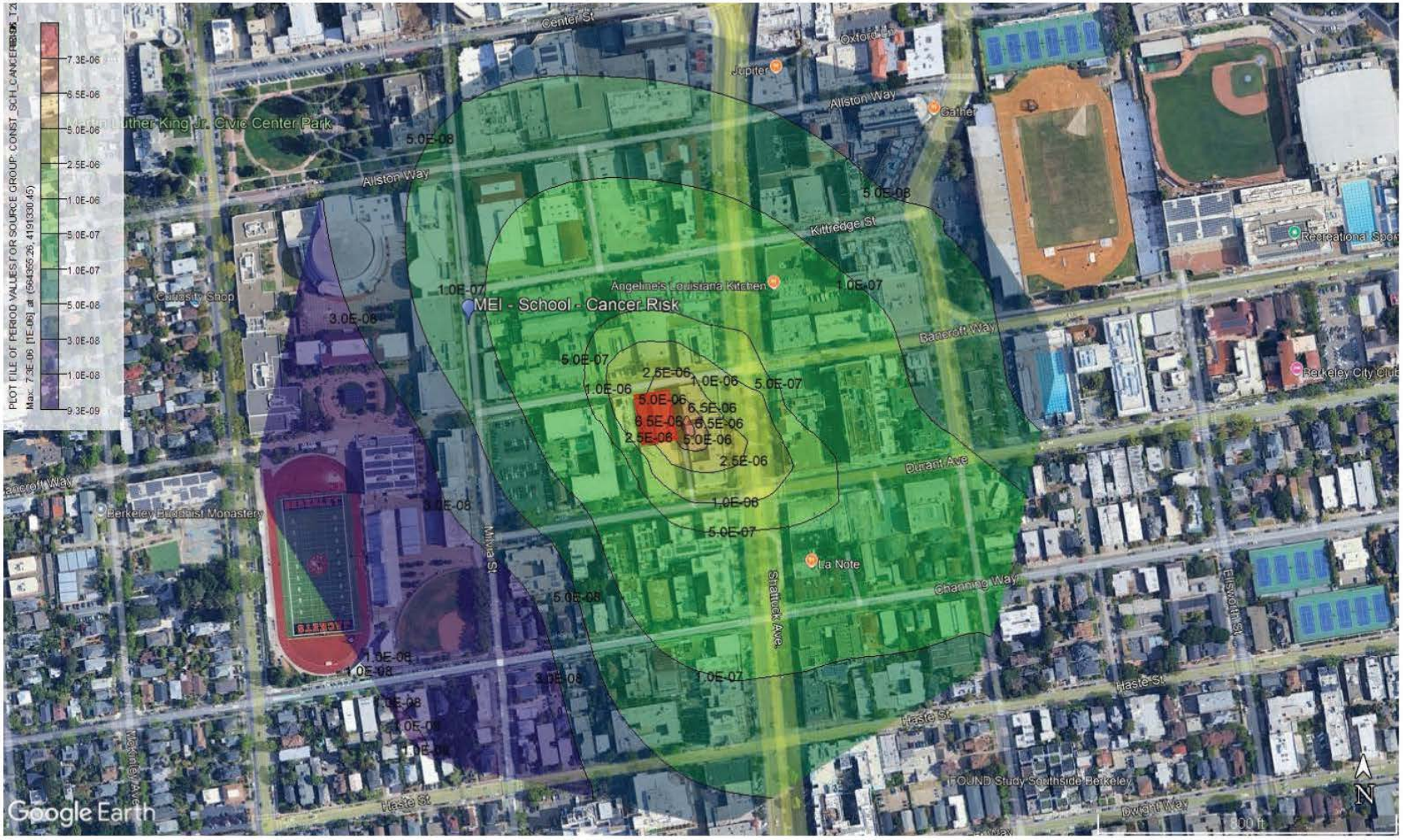

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CHRESP_1013
Max: 3.7E-02 [1.0] at (564365.26, 4191330.45)
3.7E-02
3.0E-02
1.5E-02
1.0E-02
5.0E-03
1.0E-03
5.0E-04
1.0E-04
7.0E-05
5.0E-05
4.7E-05
MEI - Worker - Chronic HI
Martin Luther King Jr. Civic Center Park
Center St
Allston Way
Kittredge St
Bancroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
Oxford St
Jupiter
Angelina's Louisiana Kitchen
Courtesy Shop
Berkeley Buddhist Monastery
La Note
FOUND Study-Southside Berkeley
Berkeley City
Recreational
Milvia St
Ellsworth St
Webster St
Google Earth
N

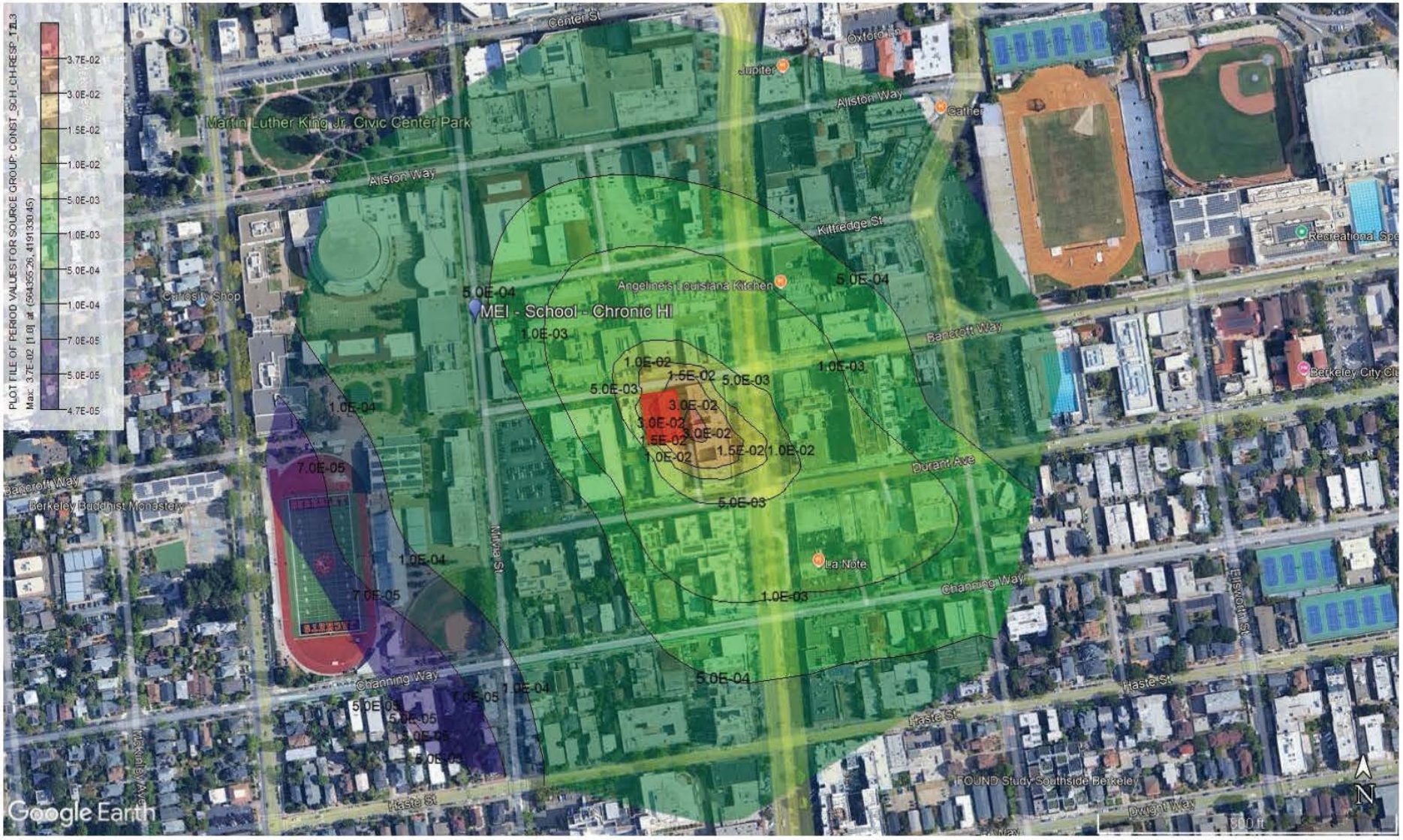

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_PM25_T1E06
Max: 0.185 [1E-06] at (564355.26, 4191330.45)
0.185
0.100
0.070
0.050
0.040
0.010
0.006
0.005
0.001
0.001
0.000
Martin Luther King Jr. Civic Center Park
Allston Way
Kittredge St
Bancroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
Milvia St
Oxford St
Jupiter
Gather
Angeline's Louisiana Kitchen
Curiosity Shop
Berkeley Buddhist Monastery
La Note
Recreational
Berkeley City
MEI - Worker - PM 2.5
FOUND Study Southside Berkeley
Google Earth
N

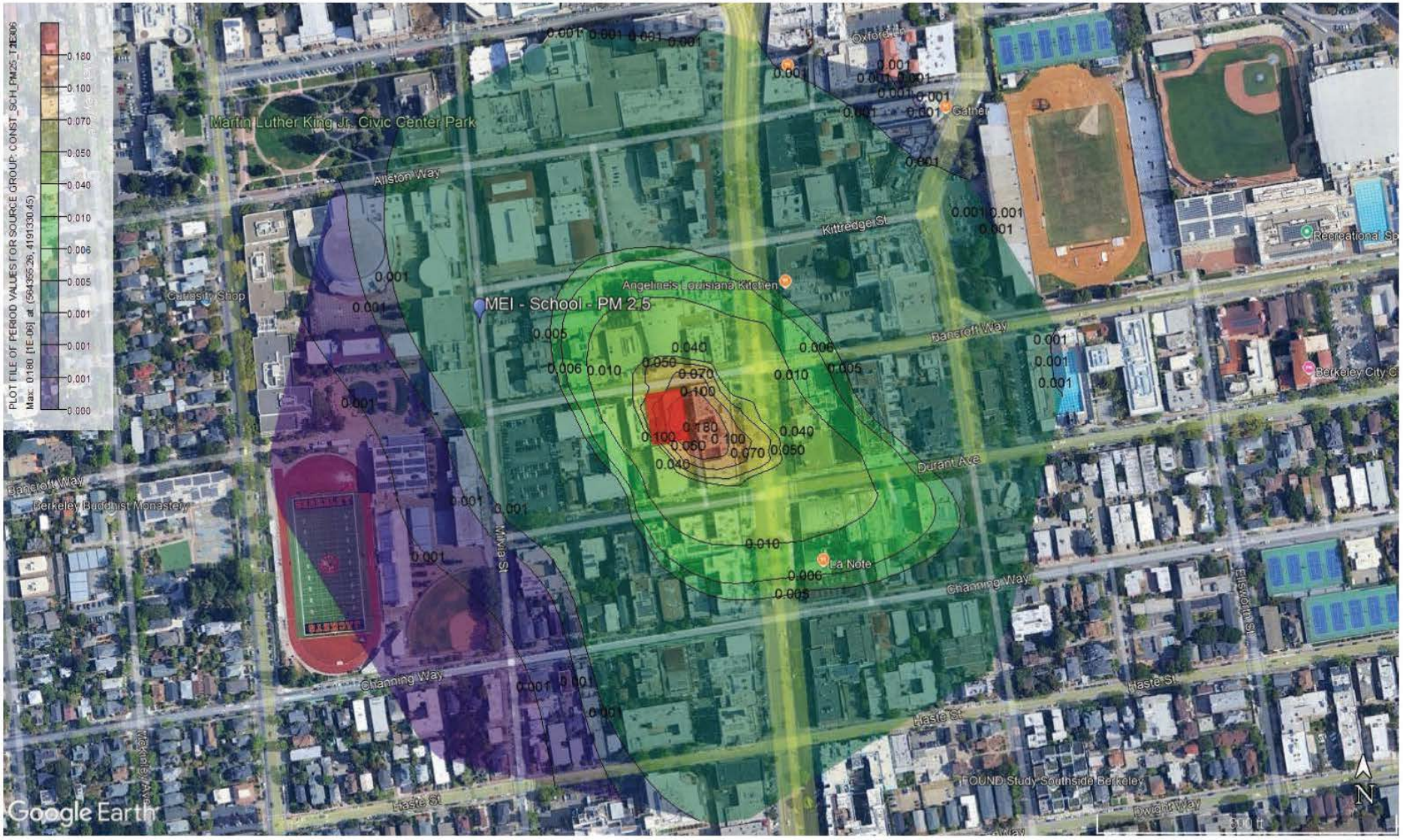

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CANCER_RISK_T
Max: 4.6E-05 [1E-06] at (564355.26, 4191330.45)
4.6E-05
4.0E-05
2.0E-05
1.0E-05
5.0E-06
1.0E-06
5.0E-07
3.0E-07
1.0E-07
5.0E-08
MEI - School - Cancer Risk
Martin Luther King Jr. Civic Center Park
Center St
Allston Way
Kittredge St
Shattuck Ave.
Sanscroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
Curiosity Shop
Angeline's Louisiana Kitchen
Jupiter
Gather
Recreational Sport
Berkeley City Club
Berkeley Egyptian Monastery
La Note
FOUND Study Southside Berkeley
Google Earth
800 ft
N


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CH-RESP_TD
Max: 0.230 [1.0] at (564355.26, 4191330.45)
0.230
0.150
0.100
0.050
0.040
0.010
0.006
0.005
0.001
0.001
0.001
0.000
Center St
Martin Luther King Jr. Civic Center Park
Allston Way
Jupiter
Oxford Tr
Gather
Kittredge St
Recreational Spo
Curtis St
Angelino's Louisiana Kitchen
MEI - School - Chronic HI
Bancroft Way
Berkeley City Clu
Durant Ave
Bancroft Way
Berkeley Buddhist Monastery
Milvia St
La Note
Shattuck Ave
Channing Way
Ellsworth St
Channing Way
Haste St
Haste St
Haste St
FOUND Study Southside Berkeley
Dwight Way
Google Earth
300 ft
N


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_PM25_T2E-06
Max: 1.15 [1E-06] at (564355.26, 4191330.45)
1.15
1.00
0.90
0.50
0.30
0.10
0.08
0.05
0.01
0.01
0.00
Martin Luther King Jr. Civic Center Park
MEI - School - PM 2.5
Center St
Allston Way
Bancroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
Shattuck Ave.
Milvia St
Oxford St
Jupiter
Gather
Angeline's Louisiana Kitchen
Curiosity Shop
Berkeley Buddhist Monastery
La Note
FOUND Study Southside Berkeley
Recreational Sp
Berkeley City C
Elmsworth St
Google Earth
N
800 ft


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CANCERRISK_T2
Max: 7.3E-06 [1E_06] at (564365.26, 4191330.45)
7.3E-06
6.5E-06
5.0E-06
2.5E-06
1.0E-06
5.0E-07
1.0E-07
5.0E-08
3.0E-08
1.0E-08
9.3E-09
MEI - School - Cancer Risk
Martin Luther King Jr. Civic Center Park
Center St
Allston Way
Kittredge St
Bancroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
Milvia St
Shattuck Ave
Oxford St
Jupiter
Gather
Angeline's Louisiana Kitchen
Curiosity Shop
Berkeley Buddhist Monastery
La Note
Berkeley City Club
FOUND Study Southside Berkeley
Google Earth
N
800 ft


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CH-RESP_T2L3
Max: 3.7E-02 [1.0] at (564355.26, 4191330.45)
3.7E-02
3.0E-02
1.5E-02
1.0E-02
5.0E-03
1.0E-03
5.0E-04
1.0E-04
7.0E-05
5.0E-05
4.7E-05
MEI - School - Chronic HI
Martin Luther King Jr. Civic Center Park
Center St
Allston Way
Kittredge St
Bancroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
Oxford St
Jupiter
Cafler
Angeline's Louisiana Kitchen
Curiosity Shop
Berkeley Buddhist Monastery
La Note
Berkeley City Clu
Recreational Spo
FOUND Study-Southside Berkeley
Milvia St
Ellsworth St
McKinley Ave
Google Earth
N
500 ft


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_PM25_T1E06
Max: 0.180 [1E-06] at (564355.26, 4191330.45)
0.180
0.100
0.070
0.050
0.040
0.010
0.006
0.005
0.001
0.001
0.001
0.000
Martin Luther King Jr. Civic Center Park
Ariston Way
Kittredge St
MEI - School - PM 2.5
Angeline's Louisiana Kitchen
Bancroft Way
Durant Ave
Channing Way
Haste St
Dwight Way
Berkeley Buddhist Monastery
La Note
Berkeley City C
Recreational Sp
Oxford Tra
Gather
Curiosity Shop
Milvia St
Ellsworth St
Mckinley Ave
FOUND Study-Southside Berkeley
Google Earth
N
300 ft

PM 10				
Tons/Yr	T2	T2L3	T4i	T4f
Year 1	0.047155	0.007565	0.004464	0.0037
Year 2	0.018145	0.002843	0.002036	0.001233
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
Lbs /Yr	T2	T2L3	T4i	T4f
Year 1	94.31	15.13	8.928	7.399
Year 2	36.29	5.685	4.071	2.465
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
% Chng	T2	T2L3	T4i	T4f
Year 1	100%	16%	9%	8%
Year 2	100%	16%	11%	7%
Year 3	0%	0%	0%	0%
Year 4	0%	0%	0%	0%

HARP Adjustment						
24	X	7	X	52	=	3.88
9		5		50		

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 8/3/2025
** File: D:\LSA\2025\2024091.01  2036 Bancroft Way\Construction\Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2025\2024091.01  2036 Bancroft Way\Construction\Construction.
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 767968
   POLLUTID OTHER
   RUNORNOT RUN
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   564310.836  4191356.094       52.580
** Source Parameters **
   SRCPARAM CONST        0.0008614933     3.048         4
   AREAVERT CONST        564310.836 4191356.094 564317.506 4191316.451
   AREAVERT CONST        564346.346 4191321.054 564339.300 4191360.321
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP CONST    CONST
SO FINISHED
**
```

```
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Construction.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\OAKLAND_STP_2013-2017.SFC
   PROFFILE ..\OAKLAND_STP_2013-2017.PFL
   SURFDATA 23230 2013 OAKLAND/WSO_AP
   UAIRDATA 23230 2013 OAKLAND/WSO_AP
   SITEDATA 1804 2013
   PROFBASE 1.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST 1ST Construction.AD\01H1G001.PLT 31
   PLOTFILE PERIOD CONST Construction.AD\PE00G001.PLT 32
   SUMMFILE Construction.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403      83       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

***   MODEL SETUP OPTIONS SUMMARY   ***

- -

** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE = F
     * Model Uses NO WET DEPLETION. WETDPLT = F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for   1 Source(s),
       for Total of   1 Urban Area(s):
  Urban Population =   767968.0 ; Urban Roughness Length = 1.000 m
     * Urban Roughness Length of 1.0 Meter Used.
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
    and Calculates PERIOD Averages

**This Run Includes: 1 Source(s);   1 Source Group(s); and   2015 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)
                and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 18081

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   1.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

```
**Approximate Storage Requirements of Model =      3.7 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**File for Summary of Results:   Construction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.86149E-03	564310.8	4191356.1	52.6	3.05	4	0.00	YES	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	767968.	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\OAKLAND_STP_2013-2017.SFC Met Version: 18081
Profile file: ..\OAKLAND_STP_2013-2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23230 Upper air station no.: 23230
Name: OAKLAND/WSO_AP Name: OAKLAND/WSO_AP
Year: 2013 Year: 2013

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
13	01	01	1	01	-11.8	0.125	-9.000	-9.000	-999.	106.	15.2	0.16	0.75	1.00	2.90	148.	16.3	280.9	9.7
13	01	01	1	02	-4.4	0.086	-9.000	-9.000	-999.	61.	13.3	0.16	0.75	1.00	2.00	110.	16.3	280.8	9.7
13	01	01	1	03	-10.5	0.121	-9.000	-9.000	-999.	101.	15.3	0.16	0.75	1.00	2.80	132.	16.3	280.6	9.7
13	01	01	1	04	-2.2	0.059	-9.000	-9.000	-999.	35.	8.4	0.07	0.75	1.00	1.60	61.	16.3	280.6	9.7
13	01	01	1	05	-2.6	0.056	-9.000	-9.000	-999.	31.	6.1	0.00	0.75	1.00	2.50	349.	16.3	280.6	9.7
13	01	01	1	06	-9.7	0.142	-9.000	-9.000	-999.	128.	26.8	0.07	0.75	1.00	3.00	71.	16.3	280.1	9.7
13	01	01	1	07	-7.7	0.100	-9.000	-9.000	-999.	76.	11.6	0.07	0.75	1.00	2.70	54.	16.3	279.5	9.7
13	01	01	1	08	-6.1	0.089	-9.000	-9.000	-999.	63.	10.3	0.07	0.75	1.00	2.40	44.	16.3	279.5	9.7
13	01	01	1	09	2.9	0.213	0.143	0.005	37.	236.	-306.4	0.07	0.75	0.38	2.80	43.	16.3	279.9	9.7
13	01	01	1	10	44.4	0.257	0.533	0.005	124.	313.	-35.0	0.07	0.75	0.25	3.00	54.	16.3	280.9	9.7
13	01	01	1	11	76.3	0.329	0.821	0.005	265.	452.	-42.4	0.07	0.75	0.20	3.90	53.	16.3	281.4	9.7
13	01	01	1	12	94.6	0.340	1.211	0.008	685.	476.	-37.9	0.07	0.75	0.19	4.00	62.	16.3	282.6	9.7
13	01	01	1	13	97.9	0.450	1.337	0.008	889.	725.	-85.0	0.07	0.75	0.18	5.60	50.	16.3	283.0	9.7
13	01	01	1	14	86.2	0.496	1.294	0.007	916.	836.	-128.5	0.07	0.75	0.19	6.30	50.	16.3	283.9	9.7
13	01	01	1	15	60.0	0.468	1.155	0.007	935.	769.	-155.2	0.07	0.75	0.22	6.00	55.	16.3	284.4	9.7
13	01	01	1	16	21.8	0.426	0.826	0.007	941.	669.	-323.3	0.07	0.75	0.31	5.60	42.	16.3	284.6	9.7
13	01	01	1	17	-28.2	0.335	-9.000	-9.000	-999.	470.	121.0	0.07	0.75	0.54	5.10	57.	16.3	284.4	9.7
13	01	01	1	18	-17.7	0.164	-9.000	-9.000	-999.	185.	22.6	0.07	0.75	1.00	3.70	79.	16.3	283.5	9.7
13	01	01	1	19	-26.7	0.235	-9.000	-9.000	-999.	273.	44.3	0.16	0.75	1.00	3.80	94.	16.3	283.2	9.7
13	01	01	1	20	-11.5	0.124	-9.000	-9.000	-999.	112.	15.3	0.21	0.75	1.00	2.70	181.	16.3	282.5	9.7
13	01	01	1	21	-31.2	0.274	-9.000	-9.000	-999.	344.	60.1	0.16	0.75	1.00	4.10	143.	16.3	282.8	9.7
13	01	01	1	22	-37.7	0.331	-9.000	-9.000	-999.	456.	87.3	0.16	0.75	1.00	4.60	148.	16.3	281.9	9.7
13	01	01	1	23	-23.0	0.201	-9.000	-9.000	-999.	227.	32.2	0.16	0.75	1.00	3.60	140.	16.3	281.2	9.7
13	01	01	1	24	-1.0	0.031	-9.000	-9.000	-999.	93.	2.6	0.00	0.75	1.00	1.40	6.	16.3	280.6	9.7

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
13	01	01	01	9.7	0	-999.	-99.00	281.0	999.0	-99.00	-99.00
13	01	01	01	16.3	1	148.	2.90	-999.0	12.1	-99.00	0.60

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	1ST HIGHEST VALUE IS	218.72675 AT	(564355.26, 4191330.45, 53.06, 355.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	186.69213 AT	(564352.52, 4191346.45, 53.00, 355.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	173.50452 AT	(564364.78, 4191316.67, 53.38, 355.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	155.74133 AT	(564363.74, 4191340.14, 53.34, 355.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	137.85950 AT	(564348.44, 4191310.91, 52.83, 355.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	134.82970 AT	(564372.94, 4191310.89, 53.53, 355.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	127.86328 AT	(564376.34, 4191325.84, 53.76, 355.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	121.97427 AT	(564356.59, 4191305.12, 53.07, 355.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	119.42072 AT	(564349.78, 4191362.44, 53.47, 355.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	103.72110 AT	(564384.50, 4191320.05, 54.04, 355.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	HIGH 1ST HIGH VALUE IS 12484.20979	ON 14021407:	AT (564318.95, 4191305.93, 51.95, 355.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   13187 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   1 Calm Hours Identified

A Total of   13186 Missing Hours Identified (30.09 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!
           Data May Not Be Acceptable for Regulatory Applications.
           See Section 5.3.2 of "Meteorological Monitoring Guidance
           for Regulatory Modeling Applications" (EPA-454/R-99-005).

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W403   83   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W403   1   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data

   ****
   *** AERMOD Finishes Successfully ***
   ****

HARP2 - HRACalc (dated 22118) 8/3/2025 11:27:23 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 8/3/2025 11:41:02 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 1
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 8/3/2025 12:05:40 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Worker_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Worker_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Worker_Year1_NCChronicRisk.csv
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Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 8/3/2025 11:47:07 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Worker_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Worker_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Worker_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Worker_Year2_NCChronicRiskSumByRec.csv
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Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 8/3/2025 12:32:27 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 4
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_School_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_School_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_School_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_School_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_School_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_School_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 8/3/2025 12:47:49 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 5
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
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Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_School_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_School_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_School_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST\hra\Const_School_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP Project Summary Report 8/3/2025 1:07:52 PM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_CONST
Project Output Directory: D:\LSA\2025\2024091.01 2036 Bancroft Way\HARP_CONST
HARP Database: NA

FACILITY INFORMATION
Origin
X (m):0
Y (m):0
Zone:1
No. of Sources:0
No. of Buildings:0

EMISSION INVENTORY
No. of Pollutants:1
No. of Background Pollutants:0

Emissions

ScrID	StkID	ProID	PolID	PolAbbrev	Multi	Annual Ems (lbs/yr)	MaxHr Ems (lbs/hr)	MWAF
Const	0	0	9901	DieselExhPM	3.88	36.29	0	1

Background

PolID	PolAbbrev	Conc (ug/m^3)	MWAF

Ground level concentration files (\glc\)
9901MAXHR.txt
9901PER.txt

POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH25003
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1			5		

AIR DISPERSION MODELING INFORMATION
Versions used in HARP. All executables were obtained from USEPA's Support Center for Regulatory Atmospheric Modeling website (http://www.epa.gov/scram001/)
AERMOD: 18081
AERMAP: 18081
BPIPPRM: 04274
AERPLOT: 13329

METEOROLOGICAL INFORMATION
Version:

Surface File:
Profile File:
Surface Station:
Upper Station:
On-Site Station:

LIST OF AIR DISPERSION FILES
AERMOD Input File:
AERMOD Output File:
AERMOD Error File:
Plotfile list

_____

LIST OF RISK ASSESSMENT FILES
Health risk analysis files (\hra\)

_____
Const_School_Year1_CancerRisk.csv
Const_School_Year1_CancerRiskSumByRec.csv
Const_School_Year1_GLCList.csv
Const_School_Year1_HRAInput.hra
Const_School_Year1_NCAcuteRisk.csv
Const_School_Year1_NCAcuteRiskSumByRec.csv
Const_School_Year1_NCChronicRisk.csv
Const_School_Year1_NCChronicRiskSumByRec.csv
Const_School_Year1_Output.txt
Const_School_Year1_PathwayRec.csv
Const_School_Year1_PolDB.csv
Const_School_Year2_CancerRisk.csv
Const_School_Year2_CancerRiskSumByRec.csv
Const_School_Year2_GLCList.csv
Const_School_Year2_HRAInput.hra
Const_School_Year2_NCAcuteRisk.csv
Const_School_Year2_NCAcuteRiskSumByRec.csv
Const_School_Year2_NCChronicRisk.csv
Const_School_Year2_NCChronicRiskSumByRec.csv
Const_School_Year2_Output.txt
Const_School_Year2_PathwayRec.csv
Const_School_Year2_PolDB.csv
Const_Sensitive_Year1_CancerRisk.csv
Const_Sensitive_Year1_CancerRiskSumByRec.csv
Const_Sensitive_Year1_GLCList.csv
Const_Sensitive_Year1_HRAInput.hra
Const_Sensitive_Year1_NCAcuteRisk.csv
Const_Sensitive_Year1_NCAcuteRiskSumByRec.csv
Const_Sensitive_Year1_NCChronicRisk.csv
Const_Sensitive_Year1_NCChronicRiskSumByRec.csv
Const_Sensitive_Year1_Output.txt
Const_Sensitive_Year1_PathwayRec.csv
Const_Sensitive_Year1_PolDB.csv
Const_Sensitive_Year2_CancerRisk.csv
Const_Sensitive_Year2_CancerRiskSumByRec.csv
Const_Sensitive_Year2_GLCList.csv
Const_Sensitive_Year2_HRAInput.hra
Const_Sensitive_Year2_NCAcuteRisk.csv
Const_Sensitive_Year2_NCAcuteRiskSumByRec.csv
Const_Sensitive_Year2_NCChronicRisk.csv
Const_Sensitive_Year2_NCChronicRiskSumByRec.csv
Const_Sensitive_Year2_Output.txt

Const_Sensitive_Year2_PathwayRec.csv
Const_Sensitive_Year2_PolDB.csv
Const_Worker_Year1_CancerRisk.csv
Const_Worker_Year1_CancerRiskSumByRec.csv
Const_Worker_Year1_GLCList.csv
Const_Worker_Year1_HRAInput.hra
Const_Worker_Year1_NCAcuteRisk.csv
Const_Worker_Year1_NCAcuteRiskSumByRec.csv
Const_Worker_Year1_NCChronicRisk.csv
Const_Worker_Year1_NCChronicRiskSumByRec.csv
Const_Worker_Year1_Output.txt
Const_Worker_Year1_PathwayRec.csv
Const_Worker_Year1_PolDB.csv
Const_Worker_Year2_CancerRisk.csv
Const_Worker_Year2_CancerRiskSumByRec.csv
Const_Worker_Year2_GLCList.csv
Const_Worker_Year2_HRAInput.hra
Const_Worker_Year2_NCAcuteRisk.csv
Const_Worker_Year2_NCAcuteRiskSumByRec.csv
Const_Worker_Year2_NCChronicRisk.csv
Const_Worker_Year2_NCChronicRiskSumByRec.csv
Const_Worker_Year2_Output.txt
Const_Worker_Year2_PathwayRec.csv
Const_Worker_Year2_PolDB.csv

Spatial averaging files (\sa\)

APPENDIX C

STORMWATER CHECKLIST

I. Applicability C.3 Stormwater Requirements

All projects must complete Section I.

I.A. Enter Project Data *(Data for "C.3 Regulated Projects," will be reported in the municipality's stormwater Annual Report.)*

I.A.1 Project Name:	2322 Shattuck Ave LLC		
I.A.2 Project Address (include cross street)	2036 BANCROFT AVENUE		
I.A.3 Project APN(s)	55-1894-17-04		
I.A.4 Project Watershed[1]	POTTER & DERBY CREEKS		
I.A.5 Applicant Name	LAKSH LAKIREDDY		
I.A.6 Date Submitted	10/01/2024		
I.A.7 Applicant Address	2855 TELEGRAPH AVE, SUITE 310, BERKELEY, CA 94704		
I.A.8 Applicant Phone	510-898-1580	I.A.9 Applicant E-mail Address	LAKSH@VINDIUMREALESTATE.COM
I.A.10 Development Type (check all that apply)	☒ Residential ☐ Commercial ☐ Industrial ☒ Mixed-Use ☐ Streets, Roads, etc. ☐ Detached Single Family Home ☐ Redevelopment[2]		
I.A.11 Project Description (Include any past or future phase of the project)	CONSTRUCTION OF NEW MIXED-USED (COMMERCIAL AND APARTMENT) BUILDING WITH PARKING GARAGE. DEMOLITION OF EXISTING STRUCTURES		
I.A.12 Total Project Area	0.37 acres	I.A.13 % Slope on Site	VARIES (2% to 0.5%)
I.A.14 Total Land Disturbance Area (Include all areas to be cleared, excavated, graded, and borrow and stockpile areas)	0.37 acres		

I.B. Is the project a "C.3 Regulated Project" per MRP Provision C.3.b or a Small Project per MRP Provision C.3.i

I.B.1 Complete the *Impervious and Pervious Surfaces Table*

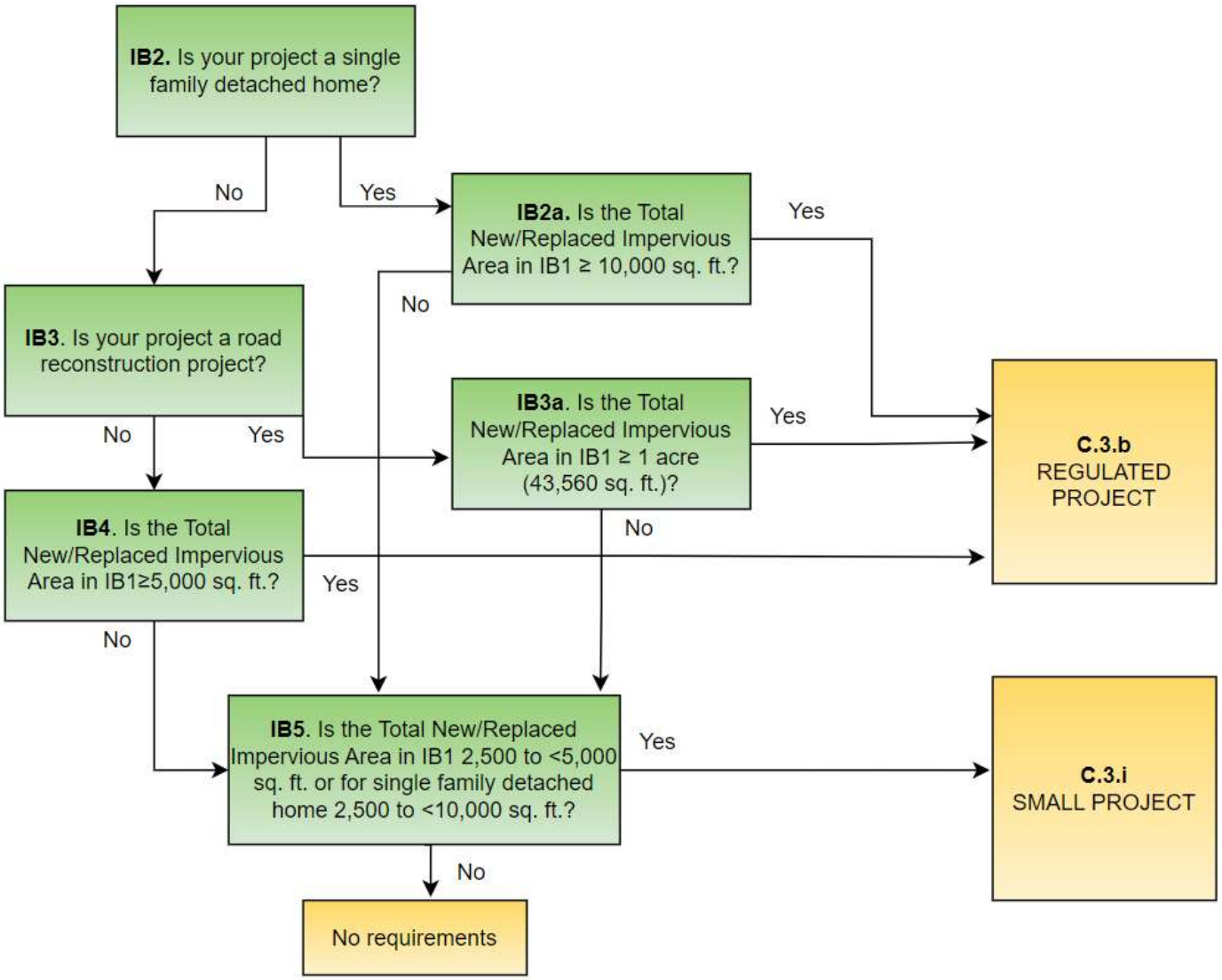
Type of Impervious Surface[3]	a Pre-Project Impervious Area (sq ft)	b Existing Impervious Area to be Replaced (sq ft[4])	c New Impervious Area to be Created (sq ft)	d Post-Project Pervious Area (sq ft)
a. Impervious roof area(s)[5]	9,107	0	11,462	
b. Impervious sidewalks, patios, paths, driveways[6]	3,575	2,947	511	
c. Uncovered impervious parking[7]	0	0	0	206
d. Streets (public)	0	220	0	
e. Streets (private)	0	0	0	
Totals	12,682	3,167	11,973	206

[1] Watershed is defined by the maps from the Alameda County Flood Control District at http://acfloodcontrol.org/resources/explore-watersheds
[2] As defined by MRP: creating, adding and/or replacing exterior existing impervious surface on a site where past development has occurred.
[3] A surface covering or pavement of a developed parcel of land that prevents the land's natural ability to absorb and infiltrate rainfall/stormwater.
[4] Replaced impervious area means any impervious area that is removed and replaced in kind or upgraded. See Chapter 2 of the *C.3 Technical Guidance.*
[5] Exclude green roofs.
[6] A gravel surface is an impervious surface, except when it is constructed as part of appropriately designed pervious pavement system.
[7] Uncovered parking includes top level of a parking structure unless drainage from the uncovered portion is connected to the sanitary sewer along with the covered portions of the parking structure.

Existing Impervious Area to remain in place		**NA**
Total New/Replaced Impervious Area *(sum columns b and c)*		15,140 SQ. FT

I.B. Is the project a "C.3 Regulated Project per MRP Provision C.3.b or a Small Project per MRP Provision C.3.i (cont'd)

	Yes	No	NA
I.B.2 Is your project a single family detached home? If Yes go to I.B.2.a; if NO go to I.B.3	☐	☒	☐
I.B.2.a Is the Total New/Replaced Impervious Area in I.B.1 ≥10,000 sq ft? If YES, your project is a C.3.b Regulated Project. (See I.D). If NO go to I.B.5.	☐	☐	☒
I.B.3 Is your project a road reconstruction project? If YES go to I.B.3.a; if NO go to I.B.4	☐	☒	☐
I.B.3.a Is the Total New/Replaced Impervious Area in I.B.1 ≥1 acre (43,560 sq ft)? If YES, your project is a C.3.b Regulated Project. (See I.D)	☐	☐	☒
I.B.4 Is the Total New/Replaced Impervious Area in I.B.1 ≥5,000 sq ft? If YES, your project is a C.3.b Regulated Project. If NO go to I.B.5	☒	☐	☐
I.B.5 Is the Total New/Replaced Impervious Area in I.B.1 2,500 to <5,000 sq ft or for single family detached home 2,500 to <10,000 sq ft? If Yes, your project is a C.3.i Small Project.	☐	☒	☐



I.C. Pervious Pavement Systems			
I.C.1 Will your project install 3,000 sq ft or more of pervious pavement systems (not including private-use patios at residences)? If **YES, stormwater treatment system inspection requirements (C.3.h) apply.** (Municipal staff – add this site to your list of sites needing a final inspection at the end of construction and on-going O&M inspections.)	☐	☒	☐
I.D. Projects not regulated by C.3 If your project is not regulated by C.3.b or C.3.i you are not subject to stormwater treatment requirements, however you are encouraged to incorporate site design and source control measures. The municipality may determine that source controls and site design measures are required for your project, if so, you must complete Section II and if required by the municipality, complete Sections III.A and III.B.			
I.E. C.3.i Small Projects If your project is regulated by C.3.i you are considered a "Small Project" and must implement site design (See III.A) and source control requirements (See III.B). You are not required to implement stormwater treatment requirements. You must complete Sections II, III.A, and III.B.			
I.F. C.3.b Regulated Projects If your project is a C.3.b regulated project, the project must include appropriate site design measures and source controls AND hydraulically-sized stormwater treatment measures. Hydromodification management may also be required. Complete Sections II, III, and V.			

II. Applicability C.6 Stormwater Requirements

All projects must complete Section II.

	Yes	No
II.A Does the project disturb one acre or more of land? If YES you are required to obtain coverage under the State Construction Stormwater Permit, see https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html. You must submit your WDID number and Stormwater Pollution Prevention Plan to the municipality before a building or grading permit will be issued. You do not need to complete Section IV.	☐	☒
II.B Does the project disturb less than one acre of land? If NO, you are subject to MRP C.6 requirements. Complete Section IV to identify best management practices (BMPs) that will be in the erosion control plan and implemented during construction.	☒	☐
II.C. Priority Inspection Factors	☐	☐
II.C.1 Is the project 1 acre or more?	☐	☒
II.C.2 Does the project require a grading permit?	☒	☐
II.C.3 Is the project adjacent to a creek or waterway?	☐	☒
II.C.4 Is the project in a municipally defined hillside development area or meet local hillside criteria?	☐	☒
II.C.5 Does the project site have a slope of >15% and disturb ≥ 5,000 sq ft?	☐	☒
II.C.6 Does the project involve demolition of a structure subject to the PCBs Building Demolition requirements? If yes the completion of the PCBs Building Material Demolition is required.	☐	☒
(Municipal staff – refer projects answering YES to any questions in section II.C to construction site inspection staff to be added to their list of projects that require stormwater inspections at least monthly during the wet season (October 1 through April 30) and other times of the year as appropriate.)		

III. Implementation of C.3 Stormwater Requirements

C.3.b Regulated Projects must complete all of Section III.
C.3.i Small Projects must complete Sections III.A and III.B
Projects not regulated by C.3 must complete Sections III.A and III.B if directed by the municipality.

III.A Select Appropriate Site Design Measures

C.3.b Regulated Projects must implement appropriate and feasible site design measures.
C.3.i Small Projects must implement at least one of site design measures listed in items a-f.
Projects not regulated by C.3 are encouraged to implement appropriate site design measures and those directed by the municipality.

Site Design Measure	Plan Sheet #	Yes	No
a. Direct roof runoff into cisterns or rain barrels and use rainwater for irrigation or other non-potable use.		☐	☒
b. Direct roof runoff onto vegetated areas.	C5.0	☒	☐
c. Direct runoff from sidewalks, walkways, and/or patios onto vegetated areas.		☐	☒
d. Direct runoff from driveways and/or uncovered parking lots onto vegetated areas.		☐	☒
e. Construct sidewalks, walkways, and/or patios with pervious pavement systems.[8]	C2.0 & C5.0	☒	☐
f. Construct bike lanes, driveways, and/or uncovered parking lots with pervious pavement systems.[8]		☐	☒
g. Minimize land disturbance and impervious surface (especially parking lots).		☐	☒
h. Maximize permeability by clustering development and preserving open space.		☐	☒
i. Use micro-detention, including distributed landscape-based detention.		☐	☒
j. Protect sensitive areas, including wetland and riparian areas, and minimize changes to the natural topography.	N/A	☐	☒
k. Self-treating area (see Chapter 5 of the *C.3 Technical Guidance*)	C3.0	☒	☐
l. Self-retaining area (see Chapter 5 of the *C.3 Technical Guidance*)	C3.0	☒	☐

III.B Select Appropriate Source Control Measures

C.3.b Regulated Projects must select and implement appropriate source control measures.
C.3.i Small Projects and projects not regulated by C.3 are encouraged to select and implement appropriate source control measures and those directed by the municipality.

Features in the project?		Features requiring source controls	Source control measures (Refer to Local Source Control List for detailed requirements)	Measure included in project plans?		
Yes	No			Yes	NO	Plan Sheet #
☒	☐	Storm Drain	Mark on-site inlets with the words “No Dumping! Flows to Bay” or equivalent.	☒	☐	C3.0
☐	☒	Floor Drains	Plumb interior floor drains to sanitary sewer[9] [or prohibit].	☐	☒	
☒	☐	Parking garage	Plumb interior parking garage floor drains to sanitary sewer.[9]	☐	☒	
☒	☐	Landscaping	▪ Retain existing vegetation as practicable. ▪ Select diverse species appropriate to the site. Include plants that are pest- and/or disease-resistant, drought-tolerant, and/or attract beneficial insects. ▪ Minimize use of pesticides and quick-release fertilizers. ▪ Use efficient irrigation system; design to minimize runoff.	☒	☐	C2.0
☐	☒	Pool/Spa/ Fountain	Provide connection to the sanitary sewer to facilitate draining.[9]	☐	☒	
☐	☒	Food Service Equipment (non-residential)	Provide sink or other area for equipment cleaning, which is: ▪ Connected to a grease interceptor prior to sanitary sewer discharge.[9] ▪ Large enough for the largest mat or piece of equipment to be cleaned. ▪ Indoors or in an outdoor roofed area designed to prevent stormwater run-on and run-off and signed to require equipment washing in this area.	☐	☒	

[8] Use the specifications in the *C.3 Technical Guidance* or for small projects see the *BASMAA Pervious Paving Factsheet*. For these documents and others go to www.cleanwaterprogram.org and click on “Resources.”
[9] Any connection to the sanitary sewer system is subject to sanitary district approval.

Features in the project?		Features requiring source controls	Source control measures (Refer to Local Source Control List for detailed requirements)	Measure included in project plans?		
Yes	No			Yes	NO	Plan Sheet #
☐	☒	Refuse Areas	▪ Provide a roofed and enclosed area for dumpsters, recycling containers, etc., designed to prevent stormwater run-on and runoff. ▪ Connect any drains in or beneath dumpsters, compactors, and tallow bin areas serving food service facilities to the sanitary sewer.[9]	☐	☒	
☐	☒	Outdoor Process Activities [10]	Perform process activities either indoors or in roofed outdoor area, designed to prevent stormwater run-on and runoff, and to drain to the sanitary sewer.[9]	☐	☒	
☐	☒	Outdoor Equipment/ Materials Storage	▪ Cover the area or design to avoid pollutant contact with stormwater runoff. ▪ Locate area only on paved and contained areas. ▪ Roof storage areas that will contain non-hazardous liquids, drain to sanitary sewer[9], and contain by berms or similar.	☐	☒	
☐	☒	Vehicle/ Equipment Cleaning	▪ Roofed, pave and berm wash area to prevent stormwater run-on and runoff, plumb to the sanitary sewer,[9] and sign as a designated wash area. ▪ Commercial car wash facilities shall discharge to the sanitary sewer.[9]	☐	☒	
☐	☒	Vehicle/ Equipment Repair and Maintenance	▪ Designate repair/maintenance area indoors, or an outdoors area designed to prevent stormwater run-on and runoff and provide secondary containment. Do not install drains in the secondary containment areas. ▪ No floor drains unless pretreated prior to discharge to the sanitary sewer. [9] ▪ Connect containers or sinks used for parts cleaning to the sanitary sewer. [9]	☐	☒	
☐	☒	Fuel Dispensing Areas	▪ Fueling areas shall have impermeable surface that is a) minimally graded to prevent ponding and b) separated from the rest of the site by a grade break. ▪ Canopy shall extend at least 10 ft in each direction from each pump and drain away from fueling area.	☐	☒	
☐	☒	Loading Docks	▪ Cover and/or grade to minimize run-on to and runoff from the loading area. ▪ Position downspouts to direct stormwater away from the loading area. ▪ Drain water from loading dock areas to the sanitary sewer.[9] ▪ Install door skirts between the trailers and the building.	☐	☒	
☒	☐	Fire Sprinklers	Design for discharge of fire sprinkler test water to landscape or sanitary sewer.[9]	☐	☒	
☐	☒	Miscellaneous Drain or Wash Water	▪ Drain condensate of air conditioning units to landscaping. Large air conditioning units may connect to the sanitary sewer.[9] ▪ Roof drains shall drain to unpaved area where practicable. ▪ Drain boiler drain lines, roof top equipment, all wash water to sanitary sewer. [9]	☐	☒	
☐	☒	Architectural Copper	Discharge rinse water to sanitary sewer [9] or collect and dispose properly offsite. See flyer *Requirements for Architectural Copper*.	☐	☒	

[10] Businesses that may have outdoor process activities/equipment include machine shops, auto repair, industries with pretreatment facilities.

III.C Stormwater Treatment Measures

C.3.b Regulated Projects must select and implement stormwater treatment measures to manage the C.3.d numeric sizing criteria. Complete the applicable sections below.

Yes	No	
☐	☒	**III.C.1 Is the project a Special Project?** (See Appendix J of the *C.3 Technical Guidance* for Special Project criteria.) If YES, complete the Special Projects Worksheet and consult with municipal staff about the need to prepare a discussion of the feasibility and infeasibility of 100% LID treatment. Indicate the type of non-LID treatment to be used, the hydraulic sizing method*, and percentage of the amount of runoff specified in Provision C.3.d that is treated.

Non-LID Treatment	Hydraulic Sizing Method (See Note 1)	% of C.3. Amount of Runoff Treated
☐ Media filter		
☐ Tree well filter		

Yes	No	
☒	☐	**III.C.2 Is the project using biotreatment to treat the C.3.d amount of runoff?** (See the *C.3 Technical Guidance* for information on infiltration and rainwater harvesting[11] and use of stormwater.) If YES, indicate the biotreatment measures to be used, and the hydraulic sizing method:

Biotreatment Measures	Hydraulic sizing method (See Note 1)
☒ Bioretention area	
☐ Flow-through planter	
☐ Other (specify):	

Note 1. Indicate which of the following Provision C.3.d.i hydraulic sizing methods were used:

1. Volume based approaches – Refer to Provision C.3.d.i.(1):
   1(a) Urban Runoff Quality Management approach, or
   1(b) 80% capture approach (recommended volume-based approach).

2. Flow-based approaches – Refer to Provision C.3.d.i.(2):
   2(a) 10% of 50-year peak flow approach,
   2(b) Percentile rainfall intensity approach, or
   2(c) 0.2-Inch-per-hour intensity approach (this is recommended flow-based approach AND the basis for the 4% rule of thumb described in Section 7.1 of the C.3 Technical Guidance).

3. Combination hydraulic sizing approach -- Refer to Provision C.3.d.i.(3):
   If a combination flow and volume design basis was used, indicate which flow-based and volume-based criteria were used.

III.D Hydromodification Management (HM) Requirements

C.3.b Regulated Projects must complete this section

	YES	NO
III.D.1 Does the project create and/or replace 1 acre (43,560 sq. ft.) or more of impervious area? If YES continue to item III.D.2. If NO, this project is not subject to the HM requirements.	☐	☒
III.D.2 Is the total impervious area increased from the pre-project condition? If YES continue to item III.D.3. If NO, this project is not subject to the HM requirements.	☒	☐
III.D.3 Is the site located in a tidally influenced/depositional area, or in the extreme eastern portion of the county that is not subject to HM requirements? (See HMP Susceptibility Map.) If NO continue to III.D.4. If YES the project is exempt from HM requirements. Attach map indicating project location. Skip to III.D.6 and check "NO".	☐	☒
III.D.4 Is the site located in a high slope zone or special consideration watershed, as shown on the HMP Susceptibility Map? If YES Project is subject to HM requirements. Attach map indicating project location. Skip to III.D.6 and check "YES.". If NO, continue to III.D.5.	☐	☒
III.D.5 For sites located in a white area on the HMP Susceptibility Map, has an engineer or qualified environmental professional determined that runoff from the project flows only through a hardened channel or enclosed pipe along its entire length before emptying into a waterway in the exempt area?	☐	☒

[11] The MRP no longer requires that a feasibility analysis of infiltration and rainwater harvesting be conducted. However, applicants using biotreatment are encouraged to maximize infiltration of stormwater if site conditions allow. If feasible and desired, infiltration and rainwater harvesting may be cost effective solutions depending on the project.

If YES, the project is exempt from HM requirements. Attach signed statement by qualified professional. Go to III.D.6 and check "NO." If NO, the project is subject to HM requirements. Attach map indicating project location. Go to Item G.6 and check "YES."	☒	☐

III.D.6 Is the project a Hydromodification Management Project?

☐ YES the project is subject to the *HM requirements in MRP Provision C.3.g.*

☒ NO, the project is not subject to the HM requirements.

- If the project is subject to the HM requirements, incorporate in the project flow duration stormwater control measures designed such that post-project stormwater discharge rates and durations match pre-project discharge rates and durations. The Bay Area Hydrology Model (BAHM) has been developed to size flow duration controls. See https://www.clearcreeksolutions.info/bahm-download-page. Guidance is provided the *C.3 Technical Guidance*.

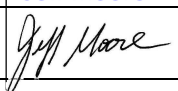
IV. Implementation of C.6 Construction Phase Requirements

All projects must complete Section IV.

IV.A Select Appropriate Construction Phase BMPs[12]

BMP	Plan Sheet #	Yes	No
Attach the municipality's construction BMP plan sheet to project plans and require contractor to implement the applicable BMPs on the plan sheet.	C7.3	☒	☐
Implement temporary erosion controls to stabilize all disturbed areas until permanent erosion controls are established.	C7.4	☒	☐
Delineate with field markers clearing limits, easements, setbacks, sensitive or critical areas, buffer zones, trees, and drainage courses.	C2.0	☒	☐
Provide notes, specifications, or attachments describing: ▪ Construction, operation and maintenance of erosion and sediment controls, include inspection frequency; ▪ Methods and schedule for grading, excavation, filling, clearing of vegetation, and storage and disposal of excavated or cleared material; ▪ Specifications for vegetative cover and mulch, include methods and schedules for planting and fertilization; ▪ Provisions for temporary and/or permanent irrigation.		☐	☒
Perform clearing and earth moving activities only during dry weather.		☒	☐
Use sediment controls or filtration to remove sediment when dewatering and obtain all necessary permits.		☐	☒
Protect all storm drain inlets in vicinity of site using drop inlet protection	C7.4	☒	☐
Trap sediment on-site, using BMPs such as sediment basins or traps, earthen dikes or berms, silt fences, check dams, erosion control blankets, covers for soil stock piles, etc.	C7.4	☒	☐
Divert on-site runoff around disturbed areas and construction materials; divert off-site runoff around the site (e.g., swales and dikes).		☐	☒
Protect adjacent properties and undisturbed areas from construction impacts using vegetative buffer strips, sediment barriers or filters, dikes, mulching, or other measures as appropriate.	C7.4	☒	☐
No cleaning, fueling, or maintaining vehicles on-site, except in a designated area where wash water is contained for proper management and spill controls are in place.		☐	☒
Store, handle, and dispose of construction materials/wastes properly to prevent contact with stormwater.		☐	☒
Contractor shall train and provide instruction to all employees/subcontractors re: construction BMPs.		☐	☒
Control and prevent the discharge of all potential pollutants, including pavement cutting wastes, paints, concrete, petroleum products, chemicals, wash water or sediments, rinse water from architectural copper, and non-stormwater discharges to storm drains and watercourses.	C7.4	☒	☐

[12] Additional information on Construction Phase BMPs can be found is MRP Provision C.6 and the California Stormwater Quality Association's Construction BMP Handbook.

V. Stormwater Treatment Measure and/HM Control Owner or Operator's Information *C.3.b Regulated Projects must complete Section V.*	
Name	LAKSH LAKIREDDY
Address	2855 TELEGRAPH AVE, SUITE 310, BERKELEY, CA 94704
Phone	510-898-1580
Email	LAKSH@VINDIUMREALESTATE.COM
➢ *Applicant must call for inspection and receive inspection within 45 days of installation of treatment measures and/or hydromodification management controls.*	
Name of Applicant Completing Form	Jeff Moore
Signature	
Date	10/01/2024

VI. For Completion by Municipal Staff

(This section is only applicable for C.3.b Regulated Projects)

VI.1 Alternative Certification	**YES**	**NO**
Was the treatment system sizing and design reviewed by a qualified third-party professional that is not a member of the project team or agency staff?	☐	☐
Name of Reviewer:	☐	☐
VI.2 Confirm Operations and Maintenance (O&M) Submittal Complete for C.3.b Regulated Projects and HM Projects	☐	☐
VI.2.a Was the maintenance plan submitted?	☐	☐
VI.2.b Was the maintenance plan approved?	☐	☐
VI.2.c Was the maintenance agreement approved?	☐	☐
Date maintenance agreement was executed:		

VI.3 HM Controls (if required) Are the applicable items for HM compliance included in the plan submittal?			
Documentation for HM Compliance	**YES**	**NO**	**NA**
Site plans with pre- and post-project impervious surface areas, surface flow directions of entire site, locations of flow duration controls and site design measures per HM site design requirement	☐	☐	☐
Soils report or other site-specific document showing soil types at all parts of site	☐	☐	☐
If project uses the Bay Area Hydrology Model (BAHM), a list of model inputs.	☐	☐	☐
If project uses custom modeling, a summary of the modeling calculations with corresponding graph showing curve matching (existing, post-project, and post-project with HM controls curves), goodness of fit, and (allowable) low flow rate.	☐	☐	☐
If project uses the Impracticability Provision, a listing of all applicable costs and a brief description of the alternative HM project (name, location, date of start up, entity responsible for maintenance).	☐	☐	☐
If the project uses alternatives to the default BAHM approach or settings, a written description and rationale.	☐	☐	☐

- Municipal staff: Refer to the "Flow Duration Control Review Worksheet for HM Submittals" to review the documentation submitted for HM compliance.

APPENDIX D

NOISE SURVEY SHEETS

Noise Measurement Survey – 24 HR

Project Number: 20242091.01
Project Name: 2036 Bancroft Way

Test Personnel: Dana Kwan
Equipment: Spark 706RC (SN:17119)

Site Number: LT-1 Date: 7/23/25

Time: From 6:00 p.m. To 6:00 p.m.

Site Location: 2020 Bancroft Way, Berkeley, CA 94704. Berkeley Park Apartments. On the north side of the apartment building and on a tree. Approximately 30 feet from Bancroft Way centerline.

Primary Noise Sources: Traffic on Bancroft Way, Shattuck Avenue, and Milvia Street. Occasional aircraft noise and human activity (conversation, bikes, electric scooters).

Comments:

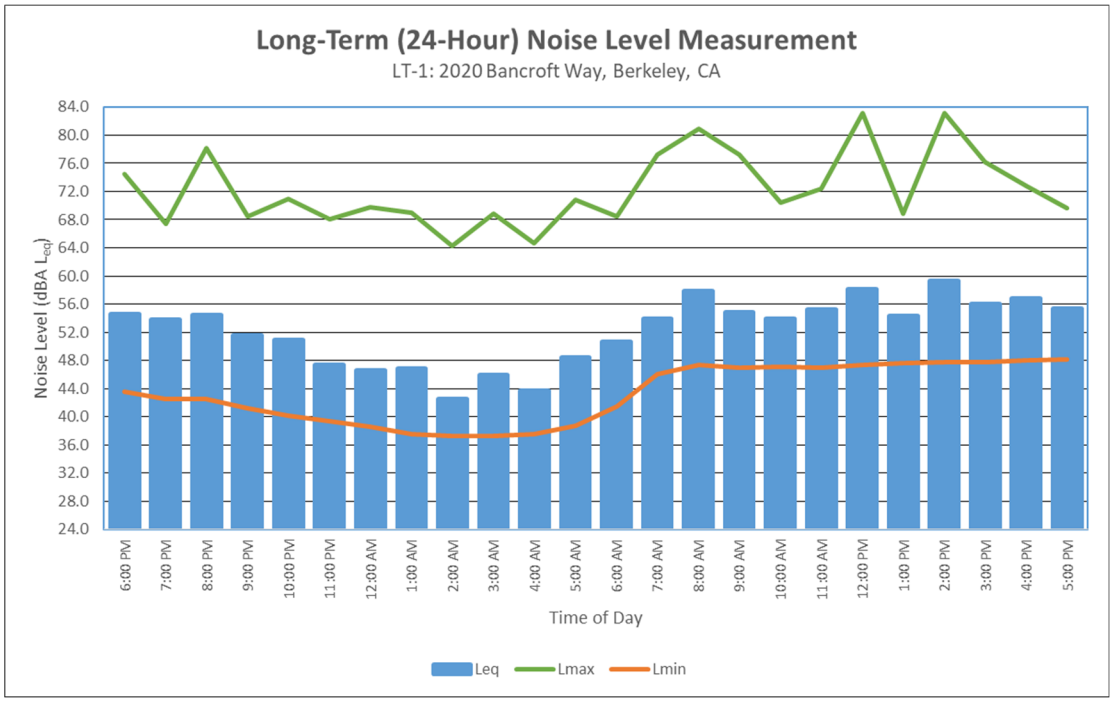
Photo:



Long-Term (24-Hour) Noise Level Measurement Results at LT-1

Start Time	Date	Noise Level (dBA)		
		L_{eq}	L_{max}	L_{min}
6:00 PM	7/23/25	54.5	74.5	43.6
7:00 PM	7/23/25	53.7	67.4	42.5
8:00 PM	7/23/25	54.4	78.1	42.5
9:00 PM	7/23/25	51.5	68.5	41.2
10:00 PM	7/23/25	51.0	71.0	40.2
11:00 PM	7/23/25	47.4	68.1	39.4
12:00 AM	7/24/25	46.6	69.8	38.6
1:00 AM	7/24/25	46.8	69.0	37.5
2:00 AM	7/24/25	42.6	64.3	37.3
3:00 AM	7/24/25	45.9	68.9	37.3
4:00 AM	7/24/25	43.7	64.7	37.5
5:00 AM	7/24/25	48.4	70.8	38.7
6:00 AM	7/24/25	50.7	68.5	41.5
7:00 AM	7/24/25	53.9	77.2	46.1
8:00 AM	7/24/25	57.9	80.9	47.3
9:00 AM	7/24/25	54.8	77.2	46.9
10:00 AM	7/24/25	53.9	70.4	47.1
11:00 AM	7/24/25	55.2	72.4	46.9
12:00 PM	7/24/25	58.1	83.1	47.3
1:00 PM	7/24/25	54.4	68.8	47.6
2:00 PM	7/24/25	59.3	83.2	47.7
3:00 PM	7/24/25	56.0	76.2	47.8
4:00 PM	7/24/25	56.7	72.8	48.0
5:00 PM	7/24/25	55.4	69.6	48.1

Source: Compiled by LSA Associates, Inc. (2025).
dBA = A-weighted decibel
L_{eq} = equivalent continuous sound level
L_{max} = maximum instantaneous noise level
L_{min} = minimum measured sound level



Noise Measurement Survey – 24 HR

Project Number: 20242091.01
Project Name: 2036 Bancroft Way

Test Personnel: Dana Kwan
Equipment: Spark 706RC (SN:17815)

Site Number: LT-2 Date: 7/23/25

Time: From 6:00 p.m. To 6:00 p.m.

Site Location: 2025 Durant Avenue, Berkeley, CA 94704. Berkeley Park Apartments. On the south side of the apartment building on a tree. Approximately 35 feet from Durant Avenue centerline.

Primary Noise Sources: Traffic on Durant Avenue, Milvia Street, and Shattuck Avenue. Occasional aircraft noise and human activity (conversation, bikes, electric scooters).

Comments:

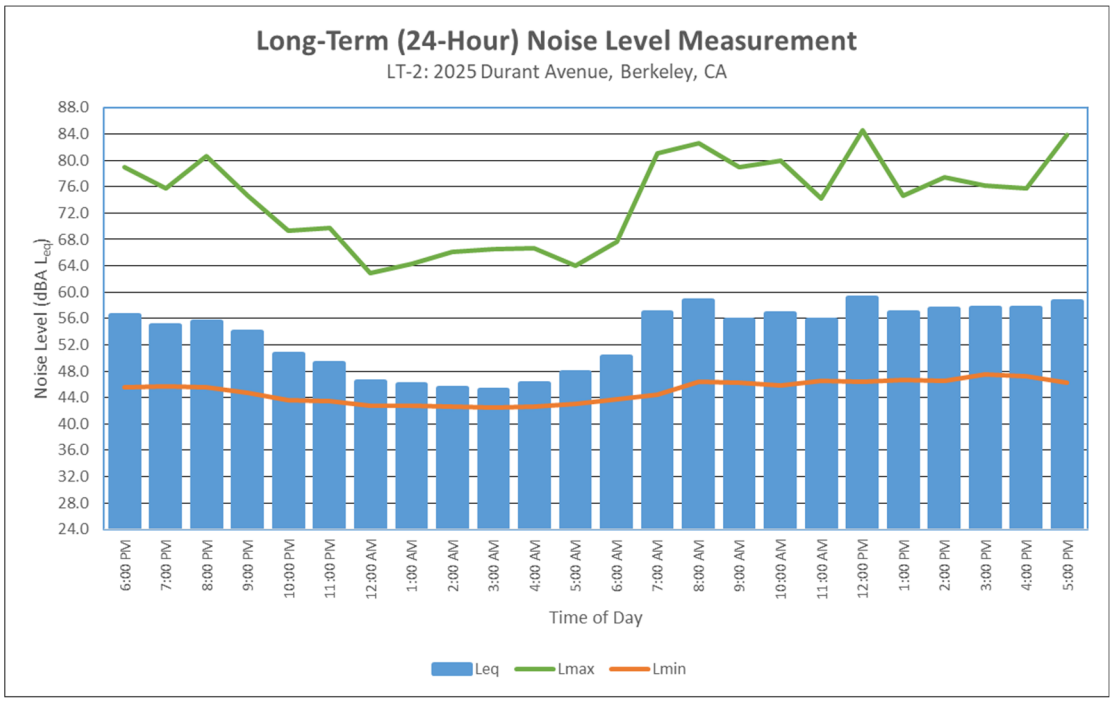
Photo:



Long-Term (24-Hour) Noise Level Measurement Results at LT-2

Start Time	Date	Noise Level (dBA)		
		L_{eq}	L_{max}	L_{min}
6:00 PM	7/23/25	56.4	78.9	45.6
7:00 PM	7/23/25	54.9	75.8	45.7
8:00 PM	7/23/25	55.4	80.6	45.6
9:00 PM	7/23/25	53.9	74.7	44.7
10:00 PM	7/23/25	50.6	69.3	43.6
11:00 PM	7/23/25	49.2	69.7	43.5
12:00 AM	7/24/25	46.4	62.9	42.8
1:00 AM	7/24/25	46.0	64.3	42.7
2:00 AM	7/24/25	45.5	66.1	42.6
3:00 AM	7/24/25	45.2	66.5	42.5
4:00 AM	7/24/25	46.1	66.6	42.6
5:00 AM	7/24/25	47.8	64.0	43.1
6:00 AM	7/24/25	50.2	67.6	43.8
7:00 AM	7/24/25	56.9	81.0	44.5
8:00 AM	7/24/25	58.7	82.6	46.4
9:00 AM	7/24/25	55.8	79.0	46.2
10:00 AM	7/24/25	56.7	80.0	45.9
11:00 AM	7/24/25	55.8	74.2	46.6
12:00 PM	7/24/25	59.2	84.5	46.4
1:00 PM	7/24/25	56.9	74.6	46.7
2:00 PM	7/24/25	57.4	77.4	46.6
3:00 PM	7/24/25	57.6	76.2	47.5
4:00 PM	7/24/25	57.6	75.8	47.3
5:00 PM	7/24/25	58.5	83.9	46.3

Source: Compiled by LSA Associates, Inc. (2025).
dBA = A-weighted decibel
L_{eq} = equivalent continuous sound level
L_{max} = maximum instantaneous noise level
L_{min} = minimum measured sound level



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