

Station_code DMG
Sampling_rate 200
Start_date 12.05.2015
Start_time 05:25.6

Time:sec	N,g	W,g	D,g
0.00E+00	2.29E-06	-4.20E-06	1.54E-05
5.00E-03	9.16E-06	1.45E-05	4.62E-05
1.00E-02	-1.01E-05	2.10E-06	6.10E-06
1.50E-02	-1.96E-05	-4.58E-06	-4.01E-05
2.00E-02	3.81E-07	8.96E-06	-3.76E-05
2.50E-02	1.91E-06	1.14E-06	-2.27E-05
3.00E-02	-1.96E-05	-2.46E-05	-2.63E-05
3.50E-02	-2.12E-05	-3.91E-05	-2.42E-05
4.00E-02	2.86E-06	-2.44E-05	1.81E-05
4.50E-02	1.53E-05	-1.81E-05	5.15E-05
5.00E-02	1.72E-06	-3.05E-05	3.62E-05
5.50E-02	2.67E-06	-2.35E-05	2.08E-05
6.00E-02	2.14E-05	6.87E-06	4.83E-05
6.50E-02	2.40E-05	3.24E-05	5.42E-05
7.00E-02	5.72E-07	1.68E-05	-1.14E-06
7.50E-02	-1.07E-05	-1.91E-07	-3.38E-05
8.00E-02	9.73E-06	1.87E-05	-1.56E-05
8.50E-02	1.32E-05	2.73E-05	-4.20E-06
9.00E-02	-5.15E-06	9.16E-06	-2.00E-05
9.50E-02	-4.77E-06	7.63E-07	-2.17E-05
1.00E-01	1.95E-05	1.28E-05	9.92E-06
1.05E-01	2.78E-05	3.24E-06	4.50E-05
1.10E-01	8.20E-06	-3.01E-05	4.58E-05
1.15E-01	9.73E-06	-3.36E-05	2.92E-05
1.20E-01	3.17E-05	-6.48E-06	4.10E-05
1.25E-01	2.84E-05	-2.86E-06	2.59E-05
1.30E-01	4.77E-06	-1.96E-05	-3.09E-05
1.35E-01	-7.44E-06	-1.34E-05	-4.90E-05
1.40E-01	-4.77E-06	9.54E-06	-3.15E-05
1.45E-01	-2.16E-05	1.68E-05	-3.15E-05
1.50E-01	-4.94E-05	2.29E-06	-7.40E-05
1.55E-01	-4.46E-05	-9.16E-06	-9.38E-05
1.60E-01	-2.50E-05	7.82E-06	-4.50E-05
1.65E-01	-2.29E-05	1.89E-05	-1.95E-05
1.70E-01	-3.38E-05	-6.87E-06	-4.10E-05
1.75E-01	-2.92E-05	-1.34E-05	-3.20E-05
1.80E-01	-3.43E-06	5.34E-06	1.16E-05
1.85E-01	-2.10E-06	-3.05E-06	2.48E-05
1.90E-01	-2.14E-05	-1.66E-05	7.25E-06
1.95E-01	-2.21E-05	-5.72E-06	1.83E-05
2.00E-01	-1.24E-05	1.56E-05	3.80E-05
2.05E-01	-2.04E-05	1.20E-05	3.20E-05
2.10E-01	-4.62E-05	-2.35E-05	1.37E-05

Earthquake Date:	12th may,
Aftershock (Y/N)	aftershock
Magnitude	7.3Mw
Site soil type (R)/(S)	

2.15E-01	-4.44E-05	-3.40E-05	2.29E-06
2.20E-01	-1.74E-05	-9.54E-06	2.10E-05
2.25E-01	-1.24E-05	-1.14E-05	2.27E-05
2.30E-01	-2.06E-05	-2.99E-05	-9.92E-06
2.35E-01	1.34E-06	-2.31E-05	-5.72E-07
2.40E-01	3.62E-05	-4.58E-06	4.88E-05
2.45E-01	3.64E-05	9.54E-07	5.84E-05
2.50E-01	2.23E-05	-1.43E-05	1.35E-05
2.55E-01	2.23E-05	-1.18E-05	-4.77E-06
2.60E-01	2.80E-05	4.77E-06	1.37E-05
2.65E-01	1.43E-05	-7.44E-06	9.54E-06
2.70E-01	-1.89E-05	-2.77E-05	-1.26E-05
2.75E-01	-2.38E-05	-2.73E-05	-1.30E-05
2.80E-01	-9.35E-06	-1.01E-05	1.37E-05
2.85E-01	-1.47E-05	-2.04E-05	7.82E-06
2.90E-01	-2.10E-05	-4.60E-05	-3.32E-05
2.95E-01	-3.81E-07	-3.07E-05	-2.71E-05
3.00E-01	2.75E-05	-3.62E-06	1.28E-05
3.05E-01	3.05E-05	3.81E-06	3.05E-06
3.10E-01	2.02E-05	-5.91E-06	-4.02E-05
3.15E-01	2.99E-05	-4.20E-06	-3.95E-05
3.20E-01	4.67E-05	1.35E-05	-7.06E-06
3.25E-01	2.06E-05	3.81E-06	-7.63E-07
3.30E-01	-1.37E-05	-1.53E-05	-2.06E-05
3.35E-01	-9.73E-06	-1.11E-05	-2.37E-05
3.40E-01	2.67E-06	-2.67E-06	1.05E-05
3.45E-01	3.43E-06	-1.64E-05	2.57E-05
3.50E-01	-1.20E-05	-3.43E-05	2.04E-05
3.55E-01	-3.62E-06	-1.74E-05	4.77E-05
3.60E-01	1.95E-05	1.49E-05	6.71E-05
3.65E-01	0.00E+00	1.98E-05	3.93E-05
3.70E-01	-2.00E-05	1.34E-06	-4.20E-06
3.75E-01	-1.09E-05	2.67E-06	-8.96E-06
3.80E-01	2.86E-06	2.38E-05	1.13E-05
3.85E-01	-1.16E-05	1.85E-05	-1.07E-05
3.90E-01	-3.64E-05	-9.73E-06	-4.79E-05
3.95E-01	-1.74E-05	-6.48E-06	-3.93E-05
4.00E-01	7.44E-06	1.47E-05	-5.53E-06
4.05E-01	-5.72E-07	-1.91E-07	5.72E-06
4.10E-01	-1.79E-05	-1.54E-05	-1.14E-06
4.15E-01	-5.53E-06	-5.15E-06	2.10E-06
4.20E-01	2.08E-05	5.34E-06	1.26E-05
4.25E-01	7.63E-06	-7.06E-06	-8.01E-06
4.30E-01	-1.58E-05	-3.41E-05	-5.21E-05
4.35E-01	-9.16E-06	-2.54E-05	-4.41E-05
4.40E-01	-1.34E-06	-9.16E-06	-1.22E-05
4.45E-01	-2.21E-05	-2.52E-05	-2.73E-05

4.50E-01	-4.12E-05	-4.01E-05	-4.29E-05
4.55E-01	-2.63E-05	-2.65E-05	-1.60E-05
4.60E-01	-4.77E-06	5.15E-06	2.73E-05
4.65E-01	-1.05E-05	4.39E-06	2.57E-05
4.70E-01	-1.45E-05	-1.09E-05	-1.07E-05
4.75E-01	1.83E-05	4.77E-06	-1.18E-05
4.80E-01	4.63E-05	1.64E-05	-3.24E-06
4.85E-01	3.36E-05	1.14E-06	-3.41E-05
4.90E-01	1.03E-05	-1.45E-05	-6.68E-05
4.95E-01	1.56E-05	-4.77E-06	-4.50E-05
5.00E-01	2.50E-05	8.77E-06	-8.77E-06
5.05E-01	1.34E-06	-1.20E-05	-1.77E-05
5.10E-01	-1.66E-05	-4.58E-05	-2.35E-05
5.15E-01	-2.48E-06	-3.89E-05	2.14E-05
5.20E-01	1.09E-05	-9.35E-06	6.48E-05
5.25E-01	-2.48E-06	-1.07E-05	4.52E-05
5.30E-01	-2.02E-05	-1.43E-05	1.34E-05
5.35E-01	-1.01E-05	1.30E-05	2.50E-05
5.40E-01	3.81E-07	3.81E-05	2.17E-05
5.45E-01	-2.75E-05	2.19E-05	-2.63E-05
5.50E-01	-4.69E-05	-8.96E-06	-6.07E-05
5.55E-01	-2.37E-05	3.24E-06	-3.89E-05
5.60E-01	-5.53E-06	2.19E-05	-6.48E-06
5.65E-01	-7.82E-06	4.20E-06	-1.49E-05
5.70E-01	-9.73E-06	-1.20E-05	-2.17E-05
5.75E-01	9.35E-06	1.91E-07	1.18E-05
5.80E-01	2.50E-05	1.34E-05	4.44E-05
5.85E-01	3.62E-06	-8.58E-06	2.99E-05
5.90E-01	-1.16E-05	-3.45E-05	5.72E-06
5.95E-01	-3.81E-07	-2.29E-05	3.30E-05
6.00E-01	2.48E-06	-2.29E-06	6.28E-05
6.05E-01	-1.95E-05	-5.91E-06	4.16E-05
6.10E-01	-3.74E-05	-1.05E-05	1.54E-05
6.15E-01	-2.38E-05	1.60E-05	2.67E-05
6.20E-01	-1.20E-05	3.43E-05	2.86E-05
6.25E-01	-2.50E-05	1.87E-05	-2.06E-05
6.30E-01	-3.38E-05	2.10E-06	-4.65E-05
6.35E-01	-1.32E-05	-1.53E-06	-1.77E-05
6.40E-01	1.18E-05	-8.20E-06	3.24E-06
6.45E-01	4.96E-06	-3.07E-05	-4.39E-06
6.50E-01	-9.54E-07	-4.01E-05	-4.01E-06
6.55E-01	2.23E-05	-1.13E-05	2.75E-05
6.60E-01	3.01E-05	2.00E-05	4.37E-05
6.65E-01	1.09E-05	1.70E-05	2.33E-05
6.70E-01	-2.29E-06	6.68E-06	7.63E-06
6.75E-01	1.53E-06	1.95E-05	3.17E-05
6.80E-01	1.01E-05	2.25E-05	4.62E-05

6.85E-01	-6.48E-06	-1.34E-06	5.53E-06
6.90E-01	-1.87E-05	-2.25E-05	-1.28E-05
6.95E-01	1.05E-05	-1.30E-05	1.54E-05
7.00E-01	2.40E-05	5.72E-07	2.42E-05
7.05E-01	9.35E-06	-2.19E-05	-1.81E-05
7.10E-01	4.39E-06	-3.40E-05	-4.60E-05
7.15E-01	1.66E-05	-1.11E-05	-7.82E-06
7.20E-01	2.73E-05	-2.29E-06	1.13E-05
7.25E-01	1.01E-05	-1.60E-05	-9.35E-06
7.30E-01	-7.44E-06	-2.48E-05	-1.60E-05
7.35E-01	-3.81E-07	-1.34E-05	1.24E-05
7.40E-01	-1.14E-06	-2.29E-06	3.89E-05
7.45E-01	-1.74E-05	-1.49E-05	9.35E-06
7.50E-01	-1.39E-05	-2.00E-05	-1.53E-06
7.55E-01	8.39E-06	1.91E-06	3.74E-05
7.60E-01	1.60E-05	1.05E-05	4.44E-05
7.65E-01	-7.63E-07	-6.29E-06	1.34E-05
7.70E-01	-1.09E-05	-1.39E-05	-3.05E-06
7.75E-01	1.34E-05	-1.91E-06	1.34E-05
7.80E-01	2.17E-05	5.34E-06	1.75E-05
7.85E-01	-2.48E-06	-1.09E-05	-1.74E-05
7.90E-01	-7.63E-06	-1.41E-05	-4.06E-05
7.95E-01	2.29E-06	5.72E-06	-1.87E-05
8.00E-01	7.63E-07	3.43E-06	-7.06E-06
8.05E-01	-1.56E-05	-2.25E-05	-4.23E-05
8.10E-01	-1.96E-05	-3.64E-05	-6.64E-05
8.15E-01	5.72E-07	-2.25E-05	-5.02E-05
8.20E-01	1.72E-06	-1.39E-05	-3.97E-05
8.25E-01	-2.23E-05	-2.63E-05	-6.54E-05
8.30E-01	-2.98E-05	-2.29E-05	-6.98E-05
8.35E-01	-1.66E-05	7.44E-06	-1.62E-05
8.40E-01	-1.20E-05	1.93E-05	6.68E-06
8.45E-01	-2.67E-05	-6.87E-06	-2.06E-05
8.50E-01	-3.62E-05	-1.68E-05	-1.64E-05
8.55E-01	-1.43E-05	-3.81E-07	1.56E-05
8.60E-01	1.91E-07	6.68E-06	1.18E-05
8.65E-01	-1.56E-05	-4.39E-06	-1.93E-05
8.70E-01	-8.20E-06	-9.73E-06	-1.47E-05
8.75E-01	1.51E-05	1.56E-05	2.52E-05
8.80E-01	1.26E-05	1.58E-05	3.83E-05
8.85E-01	-6.87E-06	-1.34E-05	1.37E-05
8.90E-01	-1.74E-05	-2.42E-05	1.49E-05
8.95E-01	-1.72E-06	-1.95E-05	4.98E-05
9.00E-01	6.87E-06	-1.37E-05	5.34E-05
9.05E-01	-8.96E-06	-3.24E-05	1.79E-05
9.10E-01	-7.44E-06	-2.37E-05	4.96E-06
9.15E-01	7.06E-06	1.70E-05	3.34E-05

9.20E-01	-1.91E-07	2.69E-05	4.06E-05
9.25E-01	-1.75E-05	1.30E-05	8.77E-06
9.30E-01	-1.74E-05	1.53E-06	-4.39E-06
9.35E-01	3.62E-06	1.37E-05	-1.91E-06
9.40E-01	6.10E-06	7.06E-06	-2.44E-05
9.45E-01	-8.01E-06	-1.93E-05	-6.33E-05
9.50E-01	6.10E-06	-1.58E-05	-6.81E-05
9.55E-01	3.01E-05	1.53E-06	-1.56E-05
9.60E-01	3.28E-05	5.34E-06	8.96E-06
9.65E-01	1.83E-05	-1.05E-05	-1.51E-05
9.70E-01	9.54E-06	-2.29E-06	7.63E-07
9.75E-01	1.70E-05	2.23E-05	4.52E-05
9.80E-01	4.39E-06	1.39E-05	5.26E-05
9.85E-01	-2.29E-05	-2.67E-06	1.51E-05
9.90E-01	-2.38E-05	-3.05E-06	1.14E-06
9.95E-01	-8.96E-06	5.34E-06	2.86E-05
1.00E+00	-1.01E-05	-1.14E-06	1.32E-05
1.01E+00	-2.12E-05	-2.31E-05	-2.96E-05
1.01E+00	-9.92E-06	-2.00E-05	-2.08E-05
1.02E+00	1.28E-05	1.09E-05	1.43E-05
1.02E+00	1.01E-05	2.10E-05	1.37E-05
1.03E+00	-5.72E-06	8.96E-06	-8.39E-06
1.03E+00	0.00E+00	1.49E-05	-8.96E-06
1.04E+00	1.96E-05	3.36E-05	5.15E-06
1.04E+00	9.73E-06	3.41E-05	-1.09E-05
1.05E+00	-1.41E-05	1.20E-05	-4.69E-05
1.05E+00	-5.72E-06	6.87E-06	-3.51E-05
1.06E+00	1.14E-05	1.77E-05	1.22E-05
1.06E+00	1.18E-05	2.67E-06	2.19E-05
1.07E+00	2.10E-06	-2.08E-05	-3.62E-06
1.07E+00	-5.72E-07	-2.17E-05	1.22E-05
1.08E+00	1.43E-05	-3.81E-06	6.22E-05
1.08E+00	1.18E-05	-4.58E-06	6.26E-05
1.09E+00	-5.15E-06	-2.75E-05	2.75E-05
1.09E+00	3.81E-06	-2.33E-05	2.23E-05
1.10E+00	1.74E-05	-8.39E-06	3.47E-05
1.10E+00	6.48E-06	-1.68E-05	5.34E-06
1.11E+00	-7.06E-06	-2.78E-05	-3.97E-05
1.11E+00	-3.81E-07	-1.22E-05	-4.20E-05
1.12E+00	1.96E-05	1.81E-05	-2.06E-05
1.12E+00	1.79E-05	8.96E-06	-2.21E-05
1.13E+00	-3.62E-06	-1.77E-05	-3.89E-05
1.13E+00	4.39E-06	-8.20E-06	-1.85E-05
1.14E+00	2.08E-05	1.24E-05	1.89E-05
1.14E+00	1.28E-05	1.26E-05	1.39E-05
1.15E+00	-5.72E-07	-1.91E-06	-1.95E-05
1.15E+00	8.96E-06	6.87E-06	-1.95E-05

1.16E+00	3.03E-05	3.26E-05	1.43E-05
1.16E+00	1.24E-05	2.29E-05	2.23E-05
1.17E+00	-1.58E-05	-9.54E-07	1.20E-05
1.17E+00	-7.44E-06	-9.54E-07	2.77E-05
1.18E+00	7.82E-06	7.63E-06	5.23E-05
1.18E+00	1.91E-06	-3.62E-06	3.26E-05
1.19E+00	-1.01E-05	-2.67E-05	-1.13E-05
1.19E+00	2.67E-06	-1.77E-05	-1.41E-05
1.20E+00	2.10E-05	0.00E+00	5.91E-06
1.20E+00	9.54E-06	-1.56E-05	-8.39E-06
1.21E+00	-5.91E-06	-3.85E-05	-2.75E-05
1.21E+00	5.34E-06	-2.92E-05	1.26E-05
1.22E+00	1.26E-05	2.67E-06	5.89E-05
1.22E+00	-4.58E-06	6.87E-06	3.95E-05
1.23E+00	-2.16E-05	-3.81E-06	3.43E-06
1.23E+00	-1.43E-05	1.43E-05	1.11E-05
1.24E+00	2.67E-06	3.72E-05	3.34E-05
1.24E+00	-1.28E-05	2.33E-05	1.13E-05
1.25E+00	-2.92E-05	-3.81E-07	-3.11E-05
1.25E+00	-8.58E-06	5.91E-06	-2.48E-05
1.26E+00	1.32E-05	1.26E-05	7.44E-06
1.26E+00	2.67E-06	-2.67E-06	4.20E-06
1.27E+00	-1.41E-05	-2.12E-05	-2.21E-05
1.27E+00	7.63E-07	-1.03E-05	-2.02E-05
1.28E+00	1.26E-05	1.01E-05	-1.14E-06
1.28E+00	-9.54E-07	1.91E-07	-4.58E-06
1.29E+00	-1.26E-05	-9.73E-06	-9.92E-06
1.29E+00	2.67E-06	5.72E-06	1.05E-05
1.30E+00	1.83E-05	2.54E-05	3.24E-05
1.30E+00	-2.86E-06	1.43E-05	1.43E-05
1.31E+00	-1.96E-05	-6.10E-06	-2.65E-05
1.31E+00	-3.05E-06	3.62E-06	-2.14E-05
1.32E+00	1.43E-05	1.18E-05	1.14E-05
1.32E+00	-2.29E-06	-3.05E-06	-4.01E-06
1.33E+00	-1.87E-05	-2.40E-05	-3.93E-05
1.33E+00	-7.63E-07	-1.96E-05	-2.54E-05
1.34E+00	9.54E-06	-3.24E-06	8.01E-06
1.34E+00	-4.01E-06	-1.95E-05	-5.15E-06
1.35E+00	-1.83E-05	-3.45E-05	-3.05E-05
1.35E+00	-3.62E-06	-1.39E-05	-9.92E-06
1.36E+00	1.72E-05	1.26E-05	2.63E-05
1.36E+00	2.86E-06	2.10E-06	1.77E-05
1.37E+00	-8.58E-06	-2.16E-05	-1.45E-05
1.37E+00	9.73E-06	-8.39E-06	1.07E-05
1.38E+00	2.75E-05	1.91E-07	4.35E-05
1.38E+00	1.37E-05	-1.68E-05	1.98E-05
1.39E+00	-4.20E-06	-2.52E-05	1.53E-06

1.39E+00	1.03E-05	-8.58E-06	8.96E-06
1.40E+00	2.50E-05	1.53E-05	9.54E-06
1.40E+00	9.73E-06	4.20E-06	-1.72E-05
1.41E+00	-2.86E-06	-1.47E-05	-3.34E-05
1.41E+00	1.68E-05	-4.96E-06	-5.72E-07
1.42E+00	2.94E-05	6.68E-06	2.71E-05
1.42E+00	4.39E-06	-5.72E-06	1.13E-05
1.43E+00	-1.35E-05	-2.29E-05	-1.37E-05
1.43E+00	-1.53E-06	-9.35E-06	-6.68E-06
1.44E+00	2.86E-06	1.03E-05	1.16E-05
1.44E+00	-1.37E-05	4.96E-06	-4.96E-06
1.45E+00	-2.02E-05	-4.96E-06	-3.47E-05
1.45E+00	-1.53E-06	5.91E-06	-1.34E-05
1.46E+00	1.39E-05	2.17E-05	2.46E-05
1.46E+00	-9.54E-07	2.29E-06	-1.14E-06
1.47E+00	-1.35E-05	-2.65E-05	-3.01E-05
1.47E+00	5.72E-06	-1.54E-05	-5.91E-06
1.48E+00	1.89E-05	-2.48E-06	4.20E-06
1.48E+00	1.91E-07	-2.10E-05	-1.09E-05
1.49E+00	-9.54E-06	-2.71E-05	-1.09E-05
1.49E+00	1.18E-05	-5.72E-07	-3.24E-06
1.50E+00	1.79E-05	2.48E-05	6.87E-06
1.50E+00	-8.77E-06	1.87E-05	-9.35E-06
1.51E+00	-2.00E-05	1.05E-05	-4.16E-05
1.51E+00	-2.29E-06	3.45E-05	-1.37E-05
1.52E+00	4.39E-06	4.50E-05	2.84E-05
1.52E+00	-1.32E-05	1.14E-05	1.53E-05
1.53E+00	-2.21E-05	-1.91E-05	-3.43E-06
1.53E+00	9.54E-07	-1.11E-05	1.81E-05
1.54E+00	1.64E-05	-4.20E-06	4.65E-05
1.54E+00	-3.62E-06	-2.57E-05	3.93E-05
1.55E+00	-1.68E-05	-3.49E-05	3.11E-05
1.55E+00	1.14E-06	-6.87E-06	6.12E-05
1.56E+00	1.34E-05	1.72E-05	6.69E-05
1.56E+00	-7.44E-06	7.06E-06	6.87E-06
1.57E+00	-2.16E-05	6.48E-06	-2.29E-05
1.57E+00	7.63E-07	2.48E-05	5.34E-06
1.58E+00	1.72E-05	2.84E-05	-5.15E-06
1.58E+00	-5.72E-07	2.67E-06	-5.02E-05
1.59E+00	-4.96E-06	-2.06E-05	-4.41E-05
1.59E+00	2.14E-05	-9.35E-06	-1.91E-07
1.60E+00	3.05E-05	-2.67E-06	1.45E-05
1.60E+00	1.16E-05	-1.66E-05	-1.72E-06
1.61E+00	-2.67E-06	-2.25E-05	-1.16E-05
1.61E+00	4.96E-06	-1.14E-06	1.09E-05
1.62E+00	8.58E-06	1.72E-05	2.08E-05
1.62E+00	-1.11E-05	5.15E-06	-1.74E-05

1.63E+00	-1.64E-05	3.05E-06	-3.41E-05
1.63E+00	8.77E-06	1.56E-05	-1.47E-05
1.64E+00	1.89E-05	1.26E-05	-9.73E-06
1.64E+00	3.43E-06	-9.92E-06	-2.69E-05
1.65E+00	-3.81E-06	-2.17E-05	-3.22E-05
1.65E+00	1.11E-05	-1.91E-07	1.53E-06
1.66E+00	1.66E-05	1.11E-05	2.56E-05
1.66E+00	-1.34E-06	-8.39E-06	1.14E-06
1.67E+00	-5.72E-07	-1.54E-05	-2.10E-06
1.67E+00	1.68E-05	2.86E-06	3.49E-05
1.68E+00	1.83E-05	1.22E-05	3.07E-05
1.68E+00	-5.34E-06	-5.72E-07	-1.20E-05
1.69E+00	-1.20E-05	-4.77E-06	-2.31E-05
1.69E+00	1.53E-05	1.64E-05	-5.72E-07
1.70E+00	1.39E-05	3.01E-05	7.06E-06
1.70E+00	-9.16E-06	1.11E-05	-1.77E-05
1.71E+00	-9.16E-06	-2.48E-06	-2.57E-05
1.71E+00	1.56E-05	6.29E-06	1.01E-05
1.72E+00	2.19E-05	1.91E-07	2.57E-05
1.72E+00	-2.48E-06	-2.12E-05	-6.68E-06
1.73E+00	7.63E-07	-2.67E-05	-2.77E-05
1.73E+00	2.88E-05	-3.81E-07	-5.72E-06
1.74E+00	3.55E-05	1.26E-05	1.34E-05
1.74E+00	1.34E-05	-9.35E-06	-8.39E-06
1.75E+00	7.82E-06	-1.05E-05	-1.81E-05
1.75E+00	3.24E-05	1.07E-05	6.10E-06
1.76E+00	2.31E-05	1.75E-05	1.91E-06
1.76E+00	-2.10E-06	-1.34E-06	-3.30E-05
1.77E+00	-3.81E-06	-1.11E-05	-4.16E-05
1.77E+00	1.91E-06	1.24E-05	-1.72E-06
1.78E+00	-1.72E-06	1.60E-05	1.62E-05
1.78E+00	-2.84E-05	-4.20E-06	-1.20E-05
1.79E+00	-3.03E-05	-3.43E-06	-8.58E-06
1.79E+00	-7.63E-06	1.60E-05	2.23E-05
1.80E+00	-9.54E-07	1.77E-05	2.56E-05
1.80E+00	2.29E-06	-8.39E-06	-4.20E-06
1.81E+00	9.73E-06	-1.14E-05	-8.58E-06
1.81E+00	3.66E-05	1.03E-05	2.02E-05
1.82E+00	3.70E-05	7.82E-06	6.29E-06
1.82E+00	5.34E-06	-1.03E-05	-2.71E-05
1.83E+00	6.48E-06	-3.81E-06	-2.92E-05
1.83E+00	1.41E-05	1.87E-05	2.67E-06
1.84E+00	-3.81E-07	1.77E-05	2.73E-05
1.84E+00	-2.38E-05	4.77E-06	5.53E-06
1.85E+00	-2.38E-05	5.91E-06	7.63E-07
1.85E+00	-6.48E-06	1.98E-05	3.22E-05
1.86E+00	-1.22E-05	2.16E-05	2.78E-05

1.86E+00	-1.66E-05	-5.72E-07	-1.09E-05
1.87E+00	-4.58E-06	-4.96E-06	-5.91E-06
1.87E+00	1.75E-05	9.73E-06	3.55E-05
1.88E+00	2.12E-05	1.14E-06	3.38E-05
1.88E+00	-7.63E-07	-2.33E-05	7.63E-07
1.89E+00	2.67E-06	-2.69E-05	-3.81E-06
1.89E+00	1.62E-05	-8.01E-06	1.87E-05
1.90E+00	7.63E-06	-1.91E-06	1.37E-05
1.90E+00	-1.18E-05	-1.32E-05	-2.37E-05
1.91E+00	-1.16E-05	-7.44E-06	-2.82E-05
1.91E+00	1.60E-05	1.01E-05	1.34E-06
1.92E+00	1.89E-05	3.43E-06	3.05E-06
1.92E+00	1.72E-06	-1.87E-05	-2.14E-05
1.93E+00	7.82E-06	-1.87E-05	-9.54E-06
1.93E+00	2.27E-05	2.48E-06	2.29E-05
1.94E+00	1.75E-05	6.68E-06	1.24E-05
1.94E+00	-1.18E-05	-6.48E-06	-1.87E-05
1.95E+00	-1.53E-05	-3.43E-06	-2.48E-05
1.95E+00	1.13E-05	9.35E-06	-6.29E-06
1.96E+00	1.09E-05	1.91E-07	-1.13E-05
1.96E+00	1.34E-06	-2.40E-05	-4.14E-05
1.97E+00	1.35E-05	-2.14E-05	-3.13E-05
1.97E+00	2.84E-05	1.53E-06	9.54E-07
1.98E+00	2.00E-05	-3.05E-06	-3.62E-06
1.98E+00	-6.29E-06	-2.21E-05	-3.38E-05
1.99E+00	-7.06E-06	-1.39E-05	-1.98E-05
1.99E+00	1.09E-05	5.15E-06	3.11E-05
2.00E+00	-2.48E-06	2.29E-06	3.26E-05
2.00E+00	-3.03E-05	-5.15E-06	-4.01E-06
2.01E+00	-2.61E-05	1.72E-06	-7.25E-06
2.01E+00	-7.44E-06	1.62E-05	2.42E-05
2.02E+00	-7.06E-06	1.26E-05	2.77E-05
2.02E+00	-1.49E-05	-9.35E-06	-2.10E-06
2.03E+00	-5.91E-06	-2.67E-06	-5.72E-07
2.03E+00	1.62E-05	1.56E-05	3.03E-05
2.04E+00	1.05E-05	6.68E-06	2.02E-05
2.04E+00	-8.77E-06	-1.32E-05	-2.10E-05
2.05E+00	2.86E-06	-1.45E-05	-8.58E-06
2.05E+00	2.27E-05	5.72E-07	3.03E-05
2.06E+00	1.96E-05	-6.87E-06	2.12E-05
2.06E+00	0.00E+00	-2.44E-05	-5.15E-06
2.07E+00	9.54E-07	-1.49E-05	8.39E-06
2.07E+00	1.75E-05	3.81E-06	3.59E-05
2.08E+00	3.81E-07	-2.86E-06	1.56E-05
2.08E+00	-2.06E-05	-2.46E-05	-3.55E-05
2.09E+00	-6.29E-06	-1.81E-05	-4.31E-05
2.09E+00	8.39E-06	4.96E-06	-1.53E-06

2.10E+00	-1.53E-06	-9.54E-07	-7.06E-06
2.10E+00	-1.45E-05	-1.66E-05	-4.48E-05
2.11E+00	-6.29E-06	3.43E-06	-1.70E-05
2.11E+00	5.15E-06	2.73E-05	3.60E-05
2.12E+00	-3.62E-06	1.51E-05	4.14E-05
2.12E+00	-1.70E-05	-2.10E-06	2.46E-05
2.13E+00	-8.01E-06	1.05E-05	4.33E-05
2.13E+00	9.54E-06	3.20E-05	4.92E-05
2.14E+00	2.86E-06	2.14E-05	-9.16E-06
2.14E+00	-9.35E-06	1.72E-06	-5.63E-05
2.15E+00	4.01E-06	9.54E-06	-3.91E-05
2.15E+00	2.40E-05	1.39E-05	-1.60E-05
2.16E+00	1.58E-05	-4.77E-06	-4.41E-05
2.16E+00	-2.86E-06	-1.72E-05	-6.54E-05
2.17E+00	8.20E-06	-1.91E-07	-1.75E-05
2.17E+00	2.46E-05	2.69E-05	2.71E-05
2.18E+00	1.01E-05	2.48E-05	1.98E-05
2.18E+00	-1.03E-05	1.07E-05	1.79E-05
2.19E+00	-5.53E-06	1.79E-05	2.54E-05
2.19E+00	5.53E-06	2.63E-05	3.80E-05
2.20E+00	-4.20E-06	1.07E-05	2.59E-05
2.20E+00	-1.81E-05	-1.13E-05	-1.28E-05
2.21E+00	-2.86E-06	-7.63E-07	2.67E-06
2.21E+00	1.87E-05	2.02E-05	2.61E-05
2.22E+00	8.20E-06	1.18E-05	1.45E-05
2.22E+00	-5.72E-06	-5.72E-07	-2.29E-06
2.23E+00	4.39E-06	8.58E-06	1.34E-06
2.23E+00	1.83E-05	2.00E-05	1.96E-05
2.24E+00	2.10E-06	5.15E-06	-1.16E-05
2.24E+00	-2.14E-05	-1.32E-05	-5.04E-05
2.25E+00	-9.54E-07	-3.81E-06	-2.96E-05
2.25E+00	1.74E-05	8.20E-06	-2.10E-06
2.26E+00	1.91E-07	-3.81E-07	-1.87E-05
2.26E+00	-1.91E-07	-1.30E-05	-5.21E-05
2.27E+00	1.91E-05	-3.43E-06	-4.08E-05
2.27E+00	3.30E-05	9.54E-06	3.81E-06
2.28E+00	2.73E-05	-5.53E-06	-1.34E-06
2.28E+00	7.63E-06	-2.00E-05	-1.83E-05
2.29E+00	1.22E-05	-6.29E-06	1.54E-05
2.29E+00	1.83E-05	6.68E-06	2.78E-05
2.30E+00	5.72E-07	-5.53E-06	-3.81E-06
2.30E+00	-7.82E-06	-1.87E-05	-2.25E-05
2.31E+00	1.72E-06	-4.77E-06	-9.54E-07
2.31E+00	1.01E-05	1.20E-05	1.68E-05
2.32E+00	-6.68E-06	-5.72E-07	-7.06E-06
2.32E+00	-1.77E-05	-1.24E-05	-2.08E-05
2.33E+00	4.58E-06	1.07E-05	4.01E-06

2.33E+00	1.47E-05	3.19E-05	2.94E-05
2.34E+00	-1.91E-07	1.32E-05	9.54E-06
2.34E+00	-1.18E-05	-2.48E-06	-1.39E-05
2.35E+00	7.63E-07	1.30E-05	1.91E-05
2.35E+00	1.43E-05	2.17E-05	3.93E-05
2.36E+00	-3.62E-06	7.06E-06	-2.10E-06
2.36E+00	-1.62E-05	-1.03E-05	-3.57E-05
2.37E+00	-7.25E-06	1.91E-07	-4.39E-06
2.37E+00	-2.48E-06	1.43E-05	3.26E-05
2.38E+00	-1.58E-05	-3.81E-06	5.91E-06
2.38E+00	-2.52E-05	-2.10E-05	-8.01E-06
2.39E+00	-3.05E-06	-1.14E-05	2.84E-05
2.39E+00	1.64E-05	5.53E-06	4.94E-05
2.40E+00	9.73E-06	-6.68E-06	3.74E-05
2.40E+00	7.63E-07	-1.85E-05	1.72E-05
2.41E+00	1.13E-05	4.39E-06	3.40E-05
2.41E+00	2.25E-05	1.34E-05	4.69E-05
2.42E+00	5.91E-06	-4.96E-06	-1.34E-06
2.42E+00	-2.29E-06	-2.10E-05	-3.76E-05
2.43E+00	1.75E-05	-4.96E-06	-2.27E-05
2.43E+00	2.73E-05	1.89E-05	-1.28E-05
2.44E+00	1.07E-05	-7.63E-07	-4.92E-05
2.44E+00	-2.48E-06	-2.00E-05	-8.20E-05
2.45E+00	1.11E-05	-3.43E-06	-4.39E-05
2.45E+00	1.20E-05	5.15E-06	-4.77E-06
2.46E+00	-1.11E-05	-1.24E-05	-1.74E-05
2.46E+00	-2.21E-05	-2.99E-05	-2.29E-06
2.47E+00	-9.92E-06	-2.19E-05	3.38E-05
2.47E+00	2.29E-06	-7.63E-06	4.31E-05
2.48E+00	-1.68E-05	-1.54E-05	1.87E-05
2.48E+00	-2.71E-05	-1.09E-05	-2.08E-05
2.49E+00	-1.07E-05	2.06E-05	-7.25E-06
2.49E+00	-4.20E-06	3.38E-05	6.29E-06
2.50E+00	-4.77E-06	1.28E-05	-1.62E-05
2.50E+00	5.72E-07	-8.20E-06	-7.25E-06
2.51E+00	2.35E-05	2.48E-06	2.25E-05
2.51E+00	3.07E-05	1.28E-05	3.51E-05
2.52E+00	8.77E-06	5.72E-07	3.43E-06
2.52E+00	3.62E-06	-1.91E-06	-1.32E-05
2.53E+00	2.14E-05	9.16E-06	2.99E-05
2.53E+00	2.40E-05	7.82E-06	3.91E-05
2.54E+00	-4.58E-06	-5.72E-06	-4.58E-06
2.54E+00	-1.95E-05	1.91E-06	-3.72E-05
2.55E+00	-8.20E-06	3.34E-05	-3.49E-05
2.55E+00	-6.68E-06	3.91E-05	-3.01E-05
2.56E+00	-2.98E-05	3.24E-06	-5.99E-05
2.56E+00	-3.09E-05	-1.85E-05	-6.54E-05

2.57E+00	6.10E-06	-1.91E-06	-2.14E-05
2.57E+00	1.39E-05	6.48E-06	2.48E-06
2.58E+00	5.72E-07	-5.72E-06	-1.01E-05
2.58E+00	2.29E-06	-5.53E-06	-9.16E-06
2.59E+00	1.98E-05	1.37E-05	3.30E-05
2.59E+00	2.99E-05	2.67E-05	5.86E-05
2.60E+00	8.39E-06	7.25E-06	3.47E-05
2.60E+00	7.63E-06	-7.06E-06	1.51E-05
2.61E+00	3.13E-05	8.01E-06	2.50E-05
2.61E+00	2.67E-05	1.37E-05	2.42E-05
2.62E+00	8.58E-06	-2.48E-06	-7.82E-06
2.62E+00	5.91E-06	-9.92E-06	-1.96E-05
2.63E+00	1.74E-05	1.47E-05	5.91E-06
2.63E+00	1.93E-05	1.62E-05	1.53E-05
2.64E+00	7.63E-07	-1.11E-05	-1.30E-05
2.64E+00	-7.63E-06	-1.18E-05	-1.58E-05
2.65E+00	1.07E-05	5.34E-06	1.70E-05
2.65E+00	1.37E-05	1.43E-05	1.16E-05
2.66E+00	-1.11E-05	-1.34E-06	-2.77E-05
2.66E+00	-1.09E-05	-7.25E-06	-4.23E-05
2.67E+00	8.01E-06	1.49E-05	-6.87E-06
2.67E+00	-2.86E-06	2.48E-05	9.35E-06
2.68E+00	-2.48E-05	1.05E-05	-2.29E-05
2.68E+00	-2.00E-05	3.81E-06	-2.16E-05
2.69E+00	0.00E+00	2.23E-05	6.68E-06
2.69E+00	3.05E-06	1.62E-05	1.54E-05
2.70E+00	-1.53E-05	-1.75E-05	-6.10E-06
2.70E+00	-1.60E-05	-2.06E-05	-5.15E-06
2.71E+00	1.77E-05	-2.86E-06	2.29E-05
2.71E+00	2.16E-05	3.43E-06	-1.32E-05
2.72E+00	-1.41E-05	-1.13E-05	-2.75E-05
2.72E+00	-1.81E-05	-1.93E-05	1.05E-05
2.73E+00	-4.96E-06	3.05E-06	2.33E-05
2.73E+00	-1.41E-05	5.91E-06	3.11E-05
2.74E+00	-2.92E-05	-1.28E-05	1.20E-05
2.74E+00	-1.93E-05	-1.35E-05	-2.29E-06
2.75E+00	2.02E-05	-3.81E-07	1.32E-05
2.75E+00	2.94E-05	1.01E-05	1.93E-05
2.76E+00	2.67E-06	-2.48E-06	7.63E-06
2.76E+00	-1.91E-07	-6.10E-06	-1.72E-05
2.77E+00	1.98E-05	1.51E-05	-1.39E-05
2.77E+00	2.08E-05	1.56E-05	-1.32E-05
2.78E+00	2.67E-06	1.14E-06	-4.96E-05
2.78E+00	1.91E-06	4.96E-06	-5.34E-05
2.79E+00	1.39E-05	2.54E-05	-1.32E-05
2.79E+00	4.20E-06	2.17E-05	-1.30E-05
2.80E+00	-2.16E-05	-4.58E-06	-3.81E-05

2.80E+00	-1.32E-05	-8.01E-06	8.01E-06
2.81E+00	2.33E-05	2.29E-06	6.01E-05
2.81E+00	2.16E-05	-1.34E-06	3.80E-05
2.82E+00	-3.05E-06	-2.02E-05	1.30E-05
2.82E+00	5.15E-06	-2.63E-05	1.34E-05
2.83E+00	3.03E-05	-6.87E-06	1.74E-05
2.83E+00	2.69E-05	-2.29E-06	2.33E-05
2.84E+00	7.63E-07	-1.62E-05	-2.10E-06
2.84E+00	-4.20E-06	-6.48E-06	-2.16E-05
2.85E+00	1.11E-05	1.91E-05	1.20E-05
2.85E+00	2.48E-06	1.51E-05	7.44E-06
2.86E+00	-2.71E-05	-6.87E-06	-2.50E-05
2.86E+00	-3.17E-05	-9.54E-07	-6.10E-06
2.87E+00	-1.51E-05	1.39E-05	5.72E-06
2.87E+00	-1.13E-05	-1.91E-07	-2.52E-05
2.88E+00	-1.26E-05	-2.14E-05	-4.98E-05
2.88E+00	5.15E-06	-1.68E-05	-3.43E-06
2.89E+00	3.03E-05	8.58E-06	5.38E-05
2.89E+00	2.27E-05	1.32E-05	3.45E-05
2.90E+00	-5.34E-06	-1.53E-06	8.20E-06
2.90E+00	-2.29E-06	1.07E-05	2.02E-05
2.91E+00	1.24E-05	2.90E-05	4.79E-05
2.91E+00	-1.18E-05	2.04E-05	4.29E-05
2.92E+00	-4.08E-05	-7.06E-06	6.68E-06
2.92E+00	-2.63E-05	-1.85E-05	3.62E-06
2.93E+00	-7.63E-07	-7.06E-06	3.81E-06
2.93E+00	4.39E-06	-1.83E-05	-2.02E-05
2.94E+00	-5.53E-06	-3.17E-05	-4.16E-05
2.94E+00	-5.72E-07	-1.54E-05	-4.02E-05
2.95E+00	2.29E-05	7.06E-06	-1.58E-05
2.95E+00	1.24E-05	1.20E-05	-1.77E-05
2.96E+00	-1.58E-05	3.62E-06	-1.91E-05
2.96E+00	-2.17E-05	1.56E-05	2.73E-05
2.97E+00	-2.50E-05	3.49E-05	6.05E-05
2.97E+00	-3.68E-05	2.75E-05	4.54E-05
2.98E+00	-3.85E-05	7.63E-06	1.83E-05
2.98E+00	-1.56E-05	1.16E-05	2.33E-05
2.99E+00	5.72E-06	2.82E-05	4.22E-05
2.99E+00	-4.58E-06	1.66E-05	1.41E-05
3.00E+00	-1.96E-05	-5.72E-06	-3.60E-05
3.00E+00	4.58E-06	-7.63E-07	-3.85E-05
3.01E+00	3.17E-05	1.62E-05	-2.04E-05
3.01E+00	2.29E-05	1.91E-07	-4.29E-05
3.02E+00	7.82E-06	-2.02E-05	-6.33E-05
3.02E+00	2.04E-05	-3.43E-06	-3.26E-05
3.03E+00	4.84E-05	1.53E-05	1.91E-06
3.03E+00	3.57E-05	5.53E-06	-6.68E-06

3.04E+00	3.43E-06	-1.28E-05	-2.16E-05
3.04E+00	9.54E-07	-2.48E-06	4.58E-06
3.05E+00	2.67E-06	1.96E-05	3.66E-05
3.05E+00	-1.11E-05	8.01E-06	2.06E-05
3.06E+00	-2.27E-05	-1.11E-05	-4.01E-06
3.06E+00	-6.87E-06	7.63E-07	1.74E-05
3.07E+00	1.24E-05	1.18E-05	3.34E-05
3.07E+00	4.01E-06	-4.20E-06	3.81E-06
3.08E+00	-1.53E-06	-1.87E-05	-2.37E-05
3.08E+00	2.10E-05	-4.96E-06	-4.20E-06
3.09E+00	3.55E-05	1.87E-05	2.80E-05
3.09E+00	1.18E-05	1.39E-05	5.91E-06
3.10E+00	-1.45E-05	-2.67E-06	-2.98E-05
3.10E+00	-5.34E-06	6.10E-06	-1.96E-05
3.11E+00	7.44E-06	1.89E-05	-1.05E-05
3.11E+00	-1.03E-05	5.91E-06	-4.01E-05
3.12E+00	-2.06E-05	-1.51E-05	-6.48E-05
3.12E+00	2.29E-06	-1.11E-05	-3.59E-05
3.13E+00	2.57E-05	-5.72E-07	4.20E-06
3.13E+00	2.42E-05	-1.68E-05	-2.67E-06
3.14E+00	1.62E-05	-2.23E-05	-1.62E-05
3.14E+00	3.07E-05	7.25E-06	1.89E-05
3.15E+00	4.20E-05	2.35E-05	5.02E-05
3.15E+00	1.87E-05	8.77E-06	2.29E-05
3.16E+00	-7.82E-06	-3.05E-06	9.16E-06
3.16E+00	-5.91E-06	1.28E-05	4.75E-05
3.17E+00	-5.72E-06	3.09E-05	6.45E-05
3.17E+00	-2.99E-05	1.70E-05	3.91E-05
3.18E+00	-3.93E-05	-1.14E-06	2.12E-05
3.18E+00	-1.47E-05	1.24E-05	3.45E-05
3.19E+00	3.81E-06	2.77E-05	3.49E-05
3.19E+00	-4.01E-06	6.68E-06	-1.16E-05
3.20E+00	-4.20E-06	-1.37E-05	-4.31E-05
3.20E+00	2.33E-05	-1.34E-06	-1.45E-05
3.21E+00	3.76E-05	1.18E-05	7.82E-06
3.21E+00	1.81E-05	2.29E-06	-2.27E-05
3.22E+00	3.43E-06	-4.01E-06	-4.14E-05
3.22E+00	1.32E-05	2.02E-05	-1.13E-05
3.23E+00	2.25E-05	3.78E-05	1.58E-05
3.23E+00	3.43E-06	2.17E-05	3.43E-06
3.24E+00	-1.30E-05	6.29E-06	-1.43E-05
3.24E+00	1.72E-06	1.03E-05	7.63E-06
3.25E+00	8.39E-06	1.13E-05	2.02E-05
3.25E+00	-6.48E-06	-1.09E-05	-9.35E-06
3.26E+00	-1.30E-05	-3.05E-05	-1.95E-05
3.26E+00	7.06E-06	-1.13E-05	1.13E-05
3.27E+00	1.70E-05	7.63E-06	3.64E-05

3.27E+00	-3.81E-06	-6.68E-06	1.01E-05
3.28E+00	-1.01E-05	-1.07E-05	-1.01E-05
3.28E+00	1.14E-06	8.20E-06	2.71E-05
3.29E+00	-1.91E-07	2.44E-05	4.06E-05
3.29E+00	-1.93E-05	1.05E-05	9.54E-07
3.30E+00	-2.80E-05	-1.13E-05	-2.90E-05
3.30E+00	-5.53E-06	4.96E-06	-1.58E-05
3.31E+00	7.82E-06	1.01E-05	-8.77E-06
3.31E+00	-4.20E-06	-2.25E-05	-4.22E-05
3.32E+00	-1.91E-07	-3.55E-05	-5.11E-05
3.32E+00	1.53E-05	-1.56E-05	-1.35E-05
3.33E+00	1.89E-05	7.63E-07	1.20E-05
3.33E+00	4.96E-06	-1.58E-05	-8.20E-06
3.34E+00	-1.49E-05	-2.04E-05	-1.53E-06
3.34E+00	5.72E-06	1.64E-05	4.58E-05
3.35E+00	1.58E-05	1.91E-05	2.98E-05
3.35E+00	-2.17E-05	-8.20E-06	1.66E-05
3.36E+00	-2.96E-05	-1.45E-05	3.34E-05
3.36E+00	-1.05E-05	-7.44E-06	2.50E-05
3.37E+00	-5.72E-06	3.81E-07	2.90E-05
3.37E+00	-1.22E-05	-1.32E-05	-1.05E-05
3.38E+00	-8.20E-06	-2.04E-05	-4.71E-05
3.38E+00	2.16E-05	-1.34E-06	-2.21E-05
3.39E+00	2.92E-05	1.05E-05	-1.34E-06
3.39E+00	2.67E-06	-7.63E-07	8.39E-06
3.40E+00	4.39E-06	-9.35E-06	1.14E-06
3.40E+00	2.77E-05	8.77E-06	1.89E-05
3.41E+00	2.96E-05	1.35E-05	1.64E-05
3.41E+00	4.39E-06	-5.72E-07	-3.93E-05
3.42E+00	-7.25E-06	1.03E-05	-3.89E-05
3.42E+00	1.09E-05	2.77E-05	-3.43E-06
3.43E+00	-1.14E-06	1.66E-05	7.44E-06
3.43E+00	-2.50E-05	-1.05E-05	-1.43E-05
3.44E+00	-2.12E-05	-1.87E-05	-3.89E-05
3.44E+00	-7.06E-06	4.01E-06	-1.53E-06
3.45E+00	-1.14E-06	1.70E-05	3.89E-05
3.45E+00	-2.48E-05	-2.67E-06	1.14E-06
3.46E+00	-3.28E-05	-3.62E-06	-1.98E-05
3.46E+00	-4.01E-06	2.17E-05	1.85E-05
3.47E+00	0.00E+00	2.63E-05	1.68E-05
3.47E+00	-2.25E-05	4.77E-06	-1.93E-05
3.48E+00	-2.31E-05	-5.34E-06	-2.10E-05
3.48E+00	-1.14E-06	1.54E-05	8.39E-06
3.49E+00	3.81E-07	2.82E-05	4.39E-06
3.49E+00	-2.59E-05	1.49E-05	-2.96E-05
3.50E+00	-2.06E-05	8.39E-06	-3.03E-05
3.50E+00	1.43E-05	2.12E-05	-2.06E-05

3.51E+00	1.66E-05	2.37E-05	-8.01E-06
3.51E+00	7.63E-07	1.72E-06	-6.29E-06
3.52E+00	5.91E-06	-1.26E-05	-9.73E-06
3.52E+00	2.27E-05	-1.39E-05	2.38E-05
3.53E+00	1.93E-05	-1.95E-05	1.53E-05
3.53E+00	-3.81E-06	-1.72E-05	-2.06E-05
3.54E+00	-1.16E-05	4.58E-06	-1.14E-06
3.54E+00	7.63E-07	3.03E-05	3.13E-05
3.55E+00	-2.10E-06	2.23E-05	2.08E-05
3.55E+00	-2.65E-05	-7.06E-06	-3.15E-05
3.56E+00	-2.46E-05	2.48E-06	-3.70E-05
3.56E+00	1.91E-07	3.97E-05	1.62E-05
3.57E+00	-4.58E-06	3.62E-05	3.07E-05
3.57E+00	-2.46E-05	-1.30E-05	-3.43E-06
3.58E+00	-1.16E-05	-3.26E-05	-1.54E-05
3.58E+00	1.47E-05	3.05E-06	1.60E-05
3.59E+00	8.58E-06	2.16E-05	2.33E-05
3.59E+00	-4.96E-06	-1.34E-06	-2.69E-05
3.60E+00	8.58E-06	-1.09E-05	-5.86E-05
3.60E+00	2.80E-05	9.54E-06	-2.56E-05
3.61E+00	1.64E-05	1.81E-05	-9.73E-06
3.61E+00	-1.13E-05	-4.01E-06	-5.07E-05
3.62E+00	-1.05E-05	-1.34E-05	-5.70E-05
3.62E+00	8.20E-06	-7.63E-07	-1.74E-05
3.63E+00	2.48E-06	-7.82E-06	-1.34E-06
3.63E+00	-1.98E-05	-2.61E-05	-4.01E-06
3.64E+00	-7.82E-06	-2.27E-05	6.87E-06
3.64E+00	1.98E-05	-4.96E-06	3.51E-05
3.65E+00	1.03E-05	-3.62E-06	3.38E-05
3.65E+00	-9.35E-06	-1.20E-05	-2.67E-06
3.66E+00	-5.72E-07	5.72E-06	1.11E-05
3.66E+00	1.91E-05	2.56E-05	4.71E-05
3.67E+00	1.16E-05	1.11E-05	2.50E-05
3.67E+00	-1.45E-05	-1.37E-05	-2.42E-05
3.68E+00	-1.16E-05	-5.15E-06	-2.35E-05
3.68E+00	1.26E-05	2.27E-05	1.58E-05
3.69E+00	7.44E-06	9.92E-06	6.87E-06
3.69E+00	-1.45E-05	-2.14E-05	-1.41E-05
3.70E+00	-1.32E-05	-1.54E-05	4.77E-06
3.70E+00	2.10E-06	1.51E-05	3.22E-05
3.71E+00	-1.14E-06	2.75E-05	3.78E-05
3.71E+00	-2.35E-05	1.22E-05	6.48E-06
3.72E+00	-1.91E-05	1.34E-05	-1.53E-06
3.72E+00	5.15E-06	2.88E-05	2.31E-05
3.73E+00	-5.72E-07	1.39E-05	1.77E-05
3.73E+00	-1.53E-05	-1.45E-05	-1.85E-05
3.74E+00	-4.01E-06	-1.66E-05	-3.43E-05

3.74E+00	1.16E-05	2.29E-06	-1.05E-05
3.75E+00	-4.58E-06	-2.48E-06	-4.20E-06
3.75E+00	-2.19E-05	-3.43E-05	-1.16E-05
3.76E+00	-4.01E-06	-3.74E-05	9.92E-06
3.76E+00	7.25E-06	-8.39E-06	4.37E-05
3.77E+00	-5.34E-06	9.54E-07	4.56E-05
3.77E+00	-1.60E-05	-8.20E-06	8.39E-06
3.78E+00	-6.87E-06	7.06E-06	6.48E-06
3.78E+00	1.91E-05	2.33E-05	2.48E-05
3.79E+00	1.79E-05	-1.91E-07	-4.20E-06
3.79E+00	4.01E-06	-1.95E-05	-4.29E-05
3.80E+00	2.02E-05	1.34E-06	-4.29E-05
3.80E+00	3.07E-05	2.65E-05	-1.20E-05
3.81E+00	1.39E-05	1.70E-05	-5.72E-06
3.81E+00	-1.03E-05	-4.96E-06	-1.66E-05
3.82E+00	-1.47E-05	5.91E-06	1.74E-05
3.82E+00	3.24E-06	2.29E-05	4.56E-05
3.83E+00	-5.72E-06	7.25E-06	1.30E-05
3.83E+00	-2.52E-05	-3.62E-06	-1.05E-05
3.84E+00	-9.16E-06	1.09E-05	1.37E-05
3.84E+00	1.41E-05	1.58E-05	2.19E-05
3.85E+00	1.05E-05	-6.10E-06	-1.14E-05
3.85E+00	-3.62E-06	-2.71E-05	-2.86E-05
3.86E+00	6.68E-06	-1.45E-05	-7.25E-06
3.86E+00	2.25E-05	1.35E-05	1.72E-05
3.87E+00	7.44E-06	1.81E-05	1.98E-05
3.87E+00	-1.54E-05	-3.62E-06	6.87E-06
3.88E+00	-9.35E-06	-1.20E-05	7.44E-06
3.88E+00	7.06E-06	3.81E-07	1.91E-05
3.89E+00	-8.77E-06	-3.05E-06	1.87E-05
3.89E+00	-3.28E-05	-8.96E-06	9.73E-06
3.90E+00	-2.25E-05	3.05E-06	8.20E-06
3.90E+00	-2.48E-06	1.70E-05	6.87E-06
3.91E+00	-4.58E-06	1.60E-05	-2.04E-05
3.91E+00	-1.41E-05	1.49E-05	-4.41E-05
3.92E+00	2.48E-06	3.36E-05	-3.26E-05
3.92E+00	1.72E-05	3.72E-05	-1.30E-05
3.93E+00	-1.53E-06	9.35E-06	-1.79E-05
3.93E+00	-7.25E-06	-1.35E-05	-3.93E-05
3.94E+00	7.44E-06	1.72E-06	-2.10E-05
3.94E+00	8.58E-06	1.56E-05	-1.14E-06
3.95E+00	-4.39E-06	-9.35E-06	-3.20E-05
3.95E+00	-1.16E-05	-2.65E-05	-3.95E-05
3.96E+00	3.05E-06	-1.68E-05	3.81E-07
3.96E+00	1.45E-05	1.91E-07	3.89E-05
3.97E+00	0.00E+00	-7.06E-06	4.31E-05
3.97E+00	-1.47E-05	-2.37E-05	1.64E-05

3.98E+00	-5.91E-06	-6.68E-06	4.96E-06
3.98E+00	1.05E-05	1.20E-05	-4.96E-06
3.99E+00	1.53E-06	9.54E-06	-4.23E-05
3.99E+00	-1.41E-05	-3.05E-06	-5.34E-05
4.00E+00	-5.15E-06	4.77E-06	-1.54E-05
4.00E+00	-5.72E-07	1.85E-05	5.53E-06
4.01E+00	-1.47E-05	-2.10E-06	-2.33E-05
4.01E+00	-2.59E-05	0.00E+00	-4.60E-05
4.02E+00	-9.73E-06	2.44E-05	-1.60E-05
4.02E+00	1.51E-05	2.44E-05	1.49E-05
4.03E+00	2.48E-06	-9.54E-07	-6.87E-06
4.03E+00	-1.64E-05	-2.38E-05	-1.58E-05
4.04E+00	4.01E-06	1.53E-06	2.16E-05
4.04E+00	2.99E-05	1.72E-05	2.69E-05
4.05E+00	1.74E-05	-1.11E-05	-4.58E-06
4.05E+00	-2.48E-06	-3.19E-05	-3.24E-06
4.06E+00	1.07E-05	-2.17E-05	3.60E-05
4.06E+00	2.80E-05	-1.34E-06	5.66E-05
4.07E+00	7.06E-06	-1.14E-05	3.78E-05
4.07E+00	-3.15E-05	-9.73E-06	3.05E-05
4.08E+00	-2.88E-05	2.19E-05	6.22E-05
4.08E+00	-1.13E-05	2.59E-05	6.89E-05
4.09E+00	-2.44E-05	5.34E-06	3.81E-05
4.09E+00	-2.48E-05	-4.39E-06	2.42E-05
4.10E+00	7.63E-07	7.63E-07	2.27E-05
4.10E+00	1.09E-05	2.67E-06	1.30E-05
4.11E+00	-7.63E-07	-9.16E-06	-3.22E-05
4.11E+00	-5.91E-06	-1.34E-05	-7.42E-05
4.12E+00	1.14E-05	1.22E-05	-4.58E-05
4.12E+00	1.85E-05	1.81E-05	-2.33E-05
4.13E+00	-5.72E-06	-1.49E-05	-4.37E-05
4.13E+00	-1.03E-05	-2.10E-05	-4.84E-05
4.14E+00	1.62E-05	1.03E-05	-2.10E-05
4.14E+00	2.04E-05	2.75E-05	7.25E-06
4.15E+00	-1.34E-06	7.63E-06	-8.01E-06
4.15E+00	-5.72E-06	-3.43E-06	-1.60E-05
4.16E+00	1.30E-05	2.17E-05	3.34E-05
4.16E+00	1.54E-05	3.74E-05	6.85E-05
4.17E+00	-8.20E-06	2.16E-05	4.65E-05
4.17E+00	-1.95E-05	6.87E-06	2.23E-05
4.18E+00	-8.20E-06	2.12E-05	4.35E-05
4.18E+00	-1.07E-05	3.45E-05	5.87E-05
4.19E+00	-3.13E-05	1.70E-05	4.77E-06
4.19E+00	-2.88E-05	9.16E-06	-4.73E-05
4.20E+00	-1.72E-06	2.40E-05	-3.66E-05
4.20E+00	4.39E-06	2.33E-05	-3.62E-05
4.21E+00	-7.06E-06	7.63E-07	-8.45E-05

4.21E+00	3.24E-06	-1.16E-05	-9.00E-05
4.22E+00	2.46E-05	2.86E-06	-2.37E-05
4.22E+00	2.54E-05	9.54E-06	1.35E-05
4.23E+00	4.39E-06	-1.09E-05	1.72E-06
4.23E+00	-3.24E-06	-1.62E-05	1.53E-05
4.24E+00	1.18E-05	1.62E-05	5.70E-05
4.24E+00	6.29E-06	3.41E-05	5.34E-05
4.25E+00	-2.08E-05	2.10E-05	1.14E-06
4.25E+00	-2.33E-05	1.79E-05	-2.00E-05
4.26E+00	1.91E-06	2.59E-05	3.62E-06
4.26E+00	1.14E-05	1.85E-05	6.10E-06
4.27E+00	-4.77E-06	-1.03E-05	-3.24E-05
4.27E+00	-4.01E-06	-2.37E-05	-3.70E-05
4.28E+00	1.30E-05	-3.81E-07	8.58E-06
4.28E+00	9.16E-06	8.39E-06	2.88E-05
4.29E+00	-1.05E-05	-1.20E-05	1.24E-05
4.29E+00	-1.16E-05	-1.47E-05	1.72E-05
4.30E+00	4.77E-06	7.25E-06	5.19E-05
4.30E+00	-5.53E-06	1.58E-05	4.56E-05
4.31E+00	-2.77E-05	-3.62E-06	-1.58E-05
4.31E+00	-1.51E-05	-7.63E-06	-3.62E-05
4.32E+00	1.47E-05	1.53E-05	4.39E-06
4.32E+00	1.66E-05	1.53E-05	4.39E-06
4.33E+00	-4.96E-06	-3.43E-06	-4.98E-05
4.33E+00	-2.86E-06	-9.16E-06	-4.92E-05
4.34E+00	1.64E-05	6.48E-06	2.17E-05
4.34E+00	1.74E-05	8.96E-06	4.60E-05
4.35E+00	1.53E-06	-2.00E-05	2.29E-06
4.35E+00	9.54E-07	-2.16E-05	4.39E-06
4.36E+00	1.64E-05	2.10E-06	5.74E-05
4.36E+00	2.86E-06	5.91E-06	5.78E-05
4.37E+00	-2.33E-05	-1.47E-05	-3.43E-06
4.37E+00	-2.14E-05	-1.87E-05	-1.83E-05
4.38E+00	-1.24E-05	7.63E-06	3.19E-05
4.38E+00	-1.62E-05	7.06E-06	1.98E-05
4.39E+00	-2.46E-05	-5.91E-06	-6.22E-05
4.39E+00	-8.77E-06	2.67E-06	-7.92E-05
4.40E+00	2.12E-05	1.62E-05	-2.61E-05
4.40E+00	2.35E-05	9.16E-06	-3.34E-05
4.41E+00	1.28E-05	-1.68E-05	-5.86E-05
4.41E+00	1.45E-05	-9.16E-06	-1.32E-05
4.42E+00	2.57E-05	7.06E-06	3.19E-05
4.42E+00	1.43E-05	5.53E-06	2.75E-05
4.43E+00	-1.20E-05	-1.91E-06	-1.68E-05
4.43E+00	-1.24E-05	-1.09E-05	-8.96E-06
4.44E+00	-2.29E-06	7.63E-06	3.80E-05
4.44E+00	-5.72E-06	-2.86E-06	8.01E-06

4.45E+00	-2.16E-05	-3.19E-05	-4.18E-05
4.45E+00	-1.49E-05	-1.60E-05	-3.59E-05
4.46E+00	1.24E-05	3.81E-07	5.72E-07
4.46E+00	1.11E-05	5.34E-06	5.72E-07
4.47E+00	-7.63E-06	-9.35E-06	-2.35E-05
4.47E+00	-3.05E-06	-1.14E-05	-2.19E-05
4.48E+00	2.12E-05	1.62E-05	3.81E-06
4.48E+00	1.32E-05	7.25E-06	2.63E-05
4.49E+00	-1.43E-05	-1.66E-05	2.67E-06
4.49E+00	-5.34E-06	-9.73E-06	6.29E-06
4.50E+00	7.25E-06	1.74E-05	5.84E-05
4.50E+00	-3.05E-06	1.89E-05	5.70E-05
4.51E+00	-1.79E-05	9.54E-07	8.39E-06
4.51E+00	-1.41E-05	1.14E-05	-1.35E-05
4.52E+00	4.58E-06	2.73E-05	3.01E-05
4.52E+00	-4.01E-06	3.22E-05	4.18E-05
4.53E+00	-1.07E-05	1.87E-05	-7.63E-07
4.53E+00	7.06E-06	1.26E-05	2.12E-05
4.54E+00	1.37E-05	3.11E-05	5.53E-05
4.54E+00	5.53E-06	1.39E-05	4.58E-05
4.55E+00	-1.53E-06	-9.16E-06	9.92E-06
4.55E+00	1.26E-05	7.63E-07	-1.18E-05
4.56E+00	3.07E-05	1.47E-05	8.77E-06
4.56E+00	2.14E-05	1.53E-05	-2.19E-05
4.57E+00	2.67E-06	-8.58E-06	-7.99E-05
4.57E+00	5.15E-06	-3.24E-06	-6.33E-05
4.58E+00	1.74E-05	2.10E-05	-1.98E-05
4.58E+00	4.20E-06	1.14E-06	-1.85E-05
4.59E+00	-1.56E-05	-2.00E-05	-2.88E-05
4.59E+00	-1.14E-05	-5.53E-06	1.14E-05
4.60E+00	-5.72E-07	2.02E-05	5.57E-05
4.60E+00	-7.82E-06	1.03E-05	3.68E-05
4.61E+00	-2.17E-05	-1.26E-05	1.66E-05
4.61E+00	-9.35E-06	-1.91E-06	3.11E-05
4.62E+00	3.62E-06	8.96E-06	3.91E-05
4.62E+00	-1.35E-05	-7.63E-06	9.16E-06
4.63E+00	-2.78E-05	-2.77E-05	-3.09E-05
4.63E+00	-1.91E-05	-1.01E-05	-2.29E-05
4.64E+00	-2.29E-06	1.72E-05	-6.10E-06
4.64E+00	-9.35E-06	1.35E-05	-2.25E-05
4.65E+00	-1.62E-05	2.48E-06	-5.11E-05
4.65E+00	1.56E-05	8.39E-06	-5.19E-05
4.66E+00	4.14E-05	2.33E-05	-1.77E-05
4.66E+00	2.98E-05	1.01E-05	-1.83E-05
4.67E+00	7.25E-06	-1.70E-05	-3.80E-05
4.67E+00	7.44E-06	-1.39E-05	-1.07E-05
4.68E+00	1.26E-05	4.01E-06	3.11E-05

4.68E+00	-1.11E-05	-6.87E-06	3.07E-05
4.69E+00	-2.84E-05	-1.79E-05	1.91E-06
4.69E+00	-9.35E-06	1.09E-05	1.01E-05
4.70E+00	2.67E-06	3.17E-05	3.07E-05
4.70E+00	-2.19E-05	2.25E-05	3.43E-06
4.71E+00	-3.09E-05	1.14E-05	-2.33E-05
4.71E+00	-6.10E-06	2.08E-05	-4.58E-06
4.72E+00	6.48E-06	3.47E-05	2.94E-05
4.72E+00	-5.15E-06	1.56E-05	2.23E-05
4.73E+00	-1.35E-05	-4.20E-06	-1.95E-05
4.73E+00	1.56E-05	8.77E-06	-2.46E-05
4.74E+00	4.23E-05	1.70E-05	-1.18E-05
4.74E+00	2.57E-05	-8.58E-06	-2.42E-05
4.75E+00	1.68E-05	-3.01E-05	-2.00E-05
4.75E+00	2.88E-05	-1.53E-05	1.54E-05
4.76E+00	2.84E-05	-1.72E-06	3.07E-05
4.76E+00	2.48E-06	-1.81E-05	8.20E-06
4.77E+00	-2.90E-05	-1.96E-05	9.54E-07
4.77E+00	-3.13E-05	1.16E-05	2.61E-05
4.78E+00	-2.40E-05	3.17E-05	3.28E-05
4.78E+00	-3.70E-05	1.24E-05	-3.05E-06
4.79E+00	-3.72E-05	-1.41E-05	-2.78E-05
4.79E+00	-9.54E-07	-9.16E-06	-1.28E-05
4.80E+00	2.23E-05	-6.10E-06	-1.05E-05
4.80E+00	1.22E-05	-2.65E-05	-2.84E-05
4.81E+00	1.14E-05	-4.41E-05	-2.92E-05
4.81E+00	3.53E-05	-3.66E-05	-1.91E-07
4.82E+00	4.35E-05	-1.98E-05	2.29E-05
4.82E+00	1.89E-05	-2.29E-05	1.53E-05
4.83E+00	1.53E-06	-1.85E-05	2.06E-05
4.83E+00	5.91E-06	8.39E-06	5.44E-05
4.84E+00	1.41E-05	2.35E-05	6.98E-05
4.84E+00	1.91E-06	7.06E-06	3.59E-05
4.85E+00	-7.25E-06	-2.86E-06	3.43E-06
4.85E+00	1.87E-05	2.12E-05	1.14E-05
4.86E+00	2.31E-05	2.99E-05	4.96E-06
4.86E+00	-2.48E-06	9.35E-06	-3.89E-05
4.87E+00	-9.35E-06	-5.53E-06	-5.78E-05
4.87E+00	9.54E-07	4.58E-06	-2.48E-05
4.88E+00	4.01E-06	1.79E-05	-9.54E-07
4.88E+00	-1.20E-05	3.62E-06	-2.14E-05
4.89E+00	-1.39E-05	-1.34E-06	-2.96E-05
4.89E+00	9.54E-06	2.65E-05	1.53E-06
4.90E+00	1.75E-05	4.25E-05	9.73E-06
4.90E+00	3.81E-07	1.83E-05	-9.35E-06
4.91E+00	-1.16E-05	3.43E-06	-3.24E-06
4.91E+00	-3.81E-07	2.46E-05	2.71E-05

4.92E+00	3.81E-06	1.75E-05	4.50E-05
4.92E+00	-1.98E-05	-1.45E-05	2.56E-05
4.93E+00	-2.57E-05	-1.87E-05	7.82E-06
4.93E+00	5.15E-06	2.10E-06	2.63E-05
4.94E+00	1.09E-05	1.56E-05	2.50E-05
4.94E+00	-1.83E-05	-5.72E-07	-6.87E-06
4.95E+00	-1.72E-05	-3.81E-06	-7.63E-06
4.95E+00	7.44E-06	1.77E-05	1.58E-05
4.96E+00	3.81E-07	1.75E-05	1.09E-05
4.96E+00	-2.40E-05	-6.10E-06	-2.14E-05
4.97E+00	-2.19E-05	-1.56E-05	-2.88E-05
4.97E+00	2.29E-06	8.20E-06	-1.91E-06
4.98E+00	8.58E-06	1.70E-05	6.68E-06
4.98E+00	-1.20E-05	-1.34E-05	-2.14E-05
4.99E+00	-4.39E-06	-2.19E-05	-3.05E-05
4.99E+00	2.17E-05	4.77E-06	1.14E-06
5.00E+00	1.53E-05	6.68E-06	7.82E-06
5.00E+00	-3.62E-06	-2.19E-05	-2.23E-05
5.01E+00	-8.39E-06	-1.58E-05	-1.77E-05
5.01E+00	9.54E-06	1.95E-05	3.80E-05
5.02E+00	1.37E-05	1.87E-05	6.41E-05
5.02E+00	-5.72E-06	-1.91E-06	2.67E-05
5.03E+00	5.72E-07	7.82E-06	2.00E-05
5.03E+00	2.10E-05	2.61E-05	4.67E-05
5.04E+00	1.56E-05	1.13E-05	1.22E-05
5.04E+00	-1.34E-06	-2.40E-05	-4.29E-05
5.05E+00	2.10E-06	-2.92E-05	-4.14E-05
5.05E+00	2.21E-05	-6.10E-06	-1.09E-05
5.06E+00	2.48E-05	-3.81E-07	-1.05E-05
5.06E+00	3.24E-06	-1.14E-05	-3.72E-05
5.07E+00	1.53E-06	-7.44E-06	-3.32E-05
5.07E+00	2.54E-05	1.53E-05	3.81E-07
5.08E+00	2.17E-05	1.09E-05	5.53E-06
5.08E+00	-8.96E-06	-2.04E-05	-1.28E-05
5.09E+00	-1.16E-05	-1.62E-05	4.77E-06
5.09E+00	8.96E-06	8.39E-06	4.41E-05
5.10E+00	-9.54E-07	7.44E-06	3.59E-05
5.10E+00	-2.40E-05	-7.25E-06	-3.81E-07
5.11E+00	-2.08E-05	-8.01E-06	1.14E-06
5.11E+00	-4.01E-06	7.06E-06	2.73E-05
5.12E+00	-5.91E-06	4.39E-06	1.28E-05
5.12E+00	-3.01E-05	-2.21E-05	-2.38E-05
5.13E+00	-2.88E-05	-1.77E-05	-1.68E-05
5.13E+00	-9.54E-07	8.58E-06	6.10E-06
5.14E+00	-3.81E-07	1.91E-06	5.34E-06
5.14E+00	-2.29E-05	-1.43E-05	-1.18E-05
5.15E+00	-2.33E-05	2.48E-06	-1.34E-05

5.15E+00	-2.48E-06	3.26E-05	3.05E-06
5.16E+00	-9.16E-06	3.03E-05	-2.63E-05
5.16E+00	-2.73E-05	-1.91E-07	-7.13E-05
5.17E+00	-9.73E-06	-8.58E-06	-5.15E-05
5.17E+00	2.37E-05	7.82E-06	1.91E-06
5.18E+00	3.22E-05	-1.14E-06	8.39E-06
5.18E+00	1.16E-05	-2.33E-05	-1.11E-05
5.19E+00	4.20E-06	-1.24E-05	1.79E-05
5.19E+00	1.62E-05	1.26E-05	4.75E-05
5.20E+00	3.24E-06	1.39E-05	4.10E-05
5.20E+00	-2.88E-05	4.20E-06	4.10E-05
5.21E+00	-3.03E-05	2.33E-05	4.62E-05
5.21E+00	-1.11E-05	4.75E-05	4.10E-05
5.22E+00	-1.53E-05	2.73E-05	1.91E-07
5.22E+00	-2.67E-05	-3.05E-06	-5.38E-05
5.23E+00	-5.53E-06	2.67E-06	-4.79E-05
5.23E+00	2.31E-05	1.70E-05	-2.44E-05
5.24E+00	1.74E-05	-2.67E-06	-4.65E-05
5.24E+00	2.10E-06	-3.40E-05	-6.45E-05
5.25E+00	1.68E-05	-2.19E-05	-4.46E-05
5.25E+00	3.80E-05	1.22E-05	-2.00E-05
5.26E+00	1.91E-05	7.63E-06	-2.73E-05
5.26E+00	-5.15E-06	-1.96E-05	-2.94E-05
5.27E+00	1.26E-05	-9.16E-06	4.16E-05
5.27E+00	3.11E-05	2.71E-05	1.20E-04
5.28E+00	1.79E-05	2.78E-05	1.09E-04
5.28E+00	-1.05E-05	1.91E-06	6.33E-05
5.29E+00	-2.06E-05	-3.81E-07	6.29E-05
5.29E+00	-1.32E-05	2.00E-05	6.96E-05
5.30E+00	-2.40E-05	1.66E-05	1.60E-05
5.30E+00	-3.83E-05	-1.05E-05	-4.33E-05
5.31E+00	-1.93E-05	-9.92E-06	-3.83E-05
5.31E+00	1.62E-05	7.63E-06	-1.54E-05
5.32E+00	1.64E-05	-6.10E-06	-3.32E-05
5.32E+00	-5.72E-07	-3.34E-05	-5.38E-05
5.33E+00	1.93E-05	-2.59E-05	-1.79E-05
5.33E+00	3.93E-05	2.10E-06	2.23E-05
5.34E+00	2.35E-05	-7.06E-06	2.10E-06
5.34E+00	2.10E-06	-3.26E-05	-1.93E-05
5.35E+00	-2.29E-06	-1.91E-05	1.96E-05
5.35E+00	-8.96E-06	1.34E-05	5.76E-05
5.36E+00	-3.11E-05	1.72E-05	1.18E-05
5.36E+00	-4.39E-05	0.00E+00	-5.44E-05
5.37E+00	-2.94E-05	8.77E-06	-5.13E-05
5.37E+00	-7.63E-07	2.75E-05	-2.31E-05
5.38E+00	9.54E-07	8.01E-06	-3.55E-05
5.38E+00	-1.53E-05	-2.48E-05	-5.84E-05

5.39E+00	1.53E-06	-2.59E-05	-2.16E-05
5.39E+00	2.21E-05	-1.24E-05	3.49E-05
5.40E+00	1.53E-05	-2.31E-05	3.19E-05
5.40E+00	7.82E-06	-4.73E-05	1.83E-05
5.41E+00	1.95E-05	-4.04E-05	5.72E-05
5.41E+00	3.26E-05	-6.10E-06	9.14E-05
5.42E+00	8.58E-06	-1.91E-07	5.66E-05
5.42E+00	-1.56E-05	-1.28E-05	7.82E-06
5.43E+00	-5.15E-06	2.67E-06	3.81E-06
5.43E+00	-4.58E-06	1.58E-05	1.24E-05
5.44E+00	-2.67E-05	1.72E-06	-3.81E-06
5.44E+00	-4.06E-05	-8.01E-06	-2.75E-05
5.45E+00	-2.16E-05	9.35E-06	-1.53E-05
5.45E+00	-5.72E-06	2.82E-05	4.96E-06
5.46E+00	-1.85E-05	1.47E-05	-1.49E-05
5.46E+00	-1.91E-05	1.91E-06	-2.82E-05
5.47E+00	-1.91E-07	1.22E-05	1.22E-05
5.47E+00	5.72E-06	1.64E-05	4.98E-05
5.48E+00	-1.34E-05	6.87E-06	2.12E-05
5.48E+00	-2.61E-05	-8.39E-06	-1.49E-05
5.49E+00	-8.58E-06	-2.67E-06	-4.01E-06
5.49E+00	8.96E-06	1.26E-05	5.91E-06
5.50E+00	-4.01E-06	-4.58E-06	-1.77E-05
5.50E+00	-1.05E-05	-2.02E-05	-3.91E-05
5.51E+00	2.10E-05	-5.91E-06	-2.00E-05
5.51E+00	3.40E-05	-1.14E-06	1.53E-06
5.52E+00	1.03E-05	-2.54E-05	-2.23E-05
5.52E+00	2.67E-06	-3.70E-05	-3.17E-05
5.53E+00	9.35E-06	-1.85E-05	1.51E-05
5.53E+00	1.14E-05	-1.14E-06	4.52E-05
5.54E+00	7.63E-07	5.72E-07	1.72E-05
5.54E+00	-8.20E-06	2.67E-06	-1.91E-06
5.55E+00	3.81E-06	2.99E-05	3.38E-05
5.55E+00	-3.81E-07	4.12E-05	5.05E-05
5.56E+00	-2.90E-05	9.54E-06	1.20E-05
5.56E+00	-4.37E-05	-5.53E-06	-2.21E-05
5.57E+00	-2.63E-05	9.54E-06	-1.56E-05
5.57E+00	-1.34E-05	5.72E-06	-1.14E-06
5.58E+00	-1.70E-05	-2.27E-05	-3.74E-05
5.58E+00	-3.05E-06	-2.73E-05	-6.37E-05
5.59E+00	2.42E-05	-3.62E-06	-2.52E-05
5.59E+00	4.14E-05	6.48E-06	-5.15E-06
5.60E+00	2.88E-05	-6.10E-06	-2.17E-05
5.60E+00	2.33E-05	-9.73E-06	-1.45E-05
5.61E+00	4.37E-05	1.51E-05	2.99E-05
5.61E+00	3.53E-05	2.25E-05	5.70E-05
5.62E+00	-4.39E-06	-4.01E-06	3.11E-05

5.62E+00	-2.82E-05	-1.75E-05	1.81E-05
5.63E+00	-2.48E-05	-2.48E-06	4.29E-05
5.63E+00	-2.99E-05	1.05E-05	2.71E-05
5.64E+00	-4.86E-05	-6.10E-06	-3.11E-05
5.64E+00	-4.37E-05	-1.41E-05	-4.92E-05
5.65E+00	-5.15E-06	8.77E-06	-2.52E-05
5.65E+00	1.49E-05	1.20E-05	-1.83E-05
5.66E+00	-3.81E-06	-8.58E-06	-3.60E-05
5.66E+00	-3.81E-07	-9.92E-06	-3.24E-05
5.67E+00	2.77E-05	1.54E-05	1.07E-05
5.67E+00	2.73E-05	2.61E-05	4.27E-05
5.68E+00	1.91E-07	8.20E-06	2.77E-05
5.68E+00	-7.25E-06	5.15E-06	1.62E-05
5.69E+00	1.81E-05	2.56E-05	3.95E-05
5.69E+00	2.37E-05	2.42E-05	3.45E-05
5.70E+00	-7.63E-07	-1.01E-05	-1.26E-05
5.70E+00	-1.91E-06	-2.10E-05	-3.49E-05
5.71E+00	1.07E-05	-6.68E-06	-1.26E-05
5.71E+00	9.54E-07	-1.45E-05	5.72E-07
5.72E+00	-1.35E-05	-3.01E-05	-2.80E-05
5.72E+00	-1.35E-05	-2.96E-05	-1.81E-05
5.73E+00	2.48E-06	3.43E-06	4.33E-05
5.73E+00	3.05E-06	2.67E-05	5.63E-05
5.74E+00	-2.06E-05	4.77E-06	3.51E-05
5.74E+00	-1.91E-05	5.72E-07	3.78E-05
5.75E+00	-5.72E-07	1.56E-05	5.15E-05
5.75E+00	-2.67E-06	7.44E-06	3.97E-05
5.76E+00	-1.24E-05	-1.58E-05	-8.20E-06
5.76E+00	-1.91E-06	-2.25E-05	-3.99E-05
5.77E+00	2.17E-05	-4.58E-06	-2.21E-05
5.77E+00	1.28E-05	-1.72E-06	-9.54E-07
5.78E+00	-2.04E-05	-1.68E-05	-1.51E-05
5.78E+00	-2.12E-05	-5.53E-06	-1.45E-05
5.79E+00	1.91E-07	2.63E-05	2.56E-05
5.79E+00	-1.07E-05	2.88E-05	3.57E-05
5.80E+00	-3.07E-05	9.73E-06	1.16E-05
5.80E+00	-8.20E-06	1.01E-05	9.54E-07
5.81E+00	1.28E-05	2.48E-05	9.54E-07
5.81E+00	9.54E-07	1.66E-05	-2.06E-05
5.82E+00	-5.91E-06	-1.60E-05	-6.94E-05
5.82E+00	5.72E-06	-2.23E-05	-7.48E-05
5.83E+00	3.01E-05	-9.35E-06	-2.08E-05
5.83E+00	2.42E-05	-2.21E-05	8.77E-06
5.84E+00	-1.13E-05	-4.25E-05	9.16E-06
5.84E+00	-1.03E-05	-3.19E-05	4.01E-05
5.85E+00	1.91E-07	4.01E-06	8.24E-05
5.85E+00	-2.16E-05	1.47E-05	8.13E-05

5.86E+00	-4.23E-05	-1.14E-06	4.58E-05
5.86E+00	-3.22E-05	7.06E-06	3.59E-05
5.87E+00	-6.68E-06	2.52E-05	4.33E-05
5.87E+00	-8.58E-06	1.01E-05	8.77E-06
5.88E+00	-2.78E-05	-1.47E-05	-4.46E-05
5.88E+00	-1.93E-05	-1.07E-05	-6.48E-05
5.89E+00	2.29E-06	3.81E-06	-5.21E-05
5.89E+00	3.81E-07	-3.43E-06	-5.53E-05
5.90E+00	-7.63E-06	-1.72E-05	-7.46E-05
5.90E+00	1.41E-05	-2.48E-06	-4.62E-05
5.91E+00	3.45E-05	2.48E-05	4.01E-06
5.91E+00	1.98E-05	1.30E-05	1.75E-05
5.92E+00	5.72E-06	-1.54E-05	7.06E-06
5.92E+00	1.41E-05	-8.58E-06	1.89E-05
5.93E+00	2.00E-05	7.06E-06	5.13E-05
5.93E+00	-4.20E-06	0.00E+00	3.70E-05
5.94E+00	-3.40E-05	-1.54E-05	-2.67E-06
5.94E+00	-3.24E-05	-7.82E-06	4.96E-06
5.95E+00	-2.21E-05	1.51E-05	3.26E-05
5.95E+00	-3.15E-05	8.20E-06	2.77E-05
5.96E+00	-4.22E-05	-4.96E-06	2.29E-06
5.96E+00	-1.28E-05	1.64E-05	9.92E-06
5.97E+00	2.23E-05	3.34E-05	2.48E-05
5.97E+00	1.45E-05	1.49E-05	-4.20E-06
5.98E+00	1.11E-05	-5.72E-06	-3.05E-05
5.98E+00	2.90E-05	-5.34E-06	-2.06E-05
5.99E+00	5.02E-05	-7.44E-06	7.63E-07
5.99E+00	5.02E-05	-3.30E-05	-1.72E-06
6.00E+00	2.59E-05	-5.05E-05	-1.75E-05
6.00E+00	3.30E-05	-3.13E-05	1.41E-05
6.01E+00	3.43E-05	-1.91E-06	5.86E-05
6.01E+00	-6.87E-06	8.77E-06	3.81E-05
6.02E+00	-3.93E-05	9.16E-06	-5.15E-06
6.02E+00	-4.41E-05	3.26E-05	-4.58E-06
6.03E+00	-3.09E-05	5.21E-05	6.68E-06
6.03E+00	-3.30E-05	2.94E-05	-2.06E-05
6.04E+00	-3.85E-05	7.63E-06	-5.93E-05
6.04E+00	-1.18E-05	8.39E-06	-5.02E-05
6.05E+00	1.74E-05	1.01E-05	-1.81E-05
6.05E+00	2.35E-05	-1.49E-05	-2.61E-05
6.06E+00	1.95E-05	-4.23E-05	-2.50E-05
6.06E+00	3.32E-05	-2.40E-05	1.79E-05
6.07E+00	4.01E-05	-1.20E-05	4.29E-05
6.07E+00	1.28E-05	-2.52E-05	1.81E-05
6.08E+00	-5.53E-06	-2.42E-05	-7.06E-06
6.08E+00	1.14E-06	1.53E-06	2.63E-05
6.09E+00	-3.81E-07	4.25E-05	3.83E-05

6.09E+00	-2.99E-05	4.10E-05	-1.01E-05
6.10E+00	-5.15E-05	1.45E-05	-3.59E-05
6.10E+00	-3.43E-05	1.96E-05	-1.41E-05
6.11E+00	-1.70E-05	7.82E-06	1.01E-05
6.11E+00	-2.19E-05	-3.22E-05	-5.34E-06
6.12E+00	-1.87E-05	-5.61E-05	9.54E-07
6.12E+00	9.35E-06	-4.44E-05	5.07E-05
6.13E+00	2.77E-05	-9.73E-06	7.06E-05
6.13E+00	1.22E-05	-4.77E-06	4.31E-05
6.14E+00	-6.48E-06	-7.63E-06	7.44E-06
6.14E+00	0.00E+00	2.38E-05	1.95E-05
6.15E+00	-2.67E-06	3.99E-05	2.86E-05
6.15E+00	-3.36E-05	1.53E-05	-2.06E-05
6.16E+00	-3.97E-05	-8.39E-06	-5.47E-05
6.16E+00	-8.01E-06	2.10E-06	-3.20E-05
6.17E+00	2.10E-05	6.48E-06	-1.05E-05
6.17E+00	2.00E-05	-2.48E-05	-3.53E-05
6.18E+00	2.71E-05	-4.23E-05	-3.78E-05
6.18E+00	6.12E-05	-2.77E-05	2.14E-05
6.19E+00	6.35E-05	-1.51E-05	5.57E-05
6.19E+00	3.51E-05	-2.31E-05	3.55E-05
6.20E+00	1.11E-05	-2.57E-05	2.12E-05
6.20E+00	4.77E-06	5.72E-06	3.85E-05
6.21E+00	-7.82E-06	3.97E-05	3.66E-05
6.21E+00	-4.62E-05	3.72E-05	-1.34E-05
6.22E+00	-5.49E-05	2.44E-05	-3.03E-05
6.22E+00	-2.94E-05	3.24E-05	1.91E-07
6.23E+00	-1.30E-05	3.41E-05	-5.91E-06
6.23E+00	-1.54E-05	6.29E-06	-5.25E-05
6.24E+00	-7.44E-06	-1.35E-05	-6.89E-05
6.24E+00	2.77E-05	-3.43E-06	-2.90E-05
6.25E+00	3.83E-05	-1.72E-06	-7.82E-06
6.25E+00	1.47E-05	-2.38E-05	-2.71E-05
6.26E+00	-1.91E-07	-3.22E-05	-1.96E-05
6.26E+00	6.10E-06	-9.92E-06	1.96E-05
6.27E+00	-3.05E-06	7.63E-07	4.90E-05
6.27E+00	-3.68E-05	-1.30E-05	3.95E-05
6.28E+00	-3.93E-05	-1.20E-05	3.64E-05
6.28E+00	-1.22E-05	9.35E-06	6.14E-05
6.29E+00	7.82E-06	2.25E-05	4.20E-05
6.29E+00	5.91E-06	8.01E-06	-1.68E-05
6.30E+00	1.09E-05	-1.34E-06	-4.08E-05
6.30E+00	4.54E-05	1.16E-05	-1.58E-05
6.31E+00	4.69E-05	5.34E-06	-7.63E-06
6.31E+00	1.53E-05	-2.16E-05	-3.72E-05
6.32E+00	4.58E-06	-2.92E-05	-3.22E-05
6.32E+00	1.47E-05	-1.16E-05	3.24E-06

6.33E+00	1.30E-05	-7.63E-07	4.58E-06
6.33E+00	-1.43E-05	-3.24E-06	-1.62E-05
6.34E+00	-2.96E-05	5.34E-06	-1.43E-05
6.34E+00	-1.60E-05	2.56E-05	6.48E-06
6.35E+00	-5.72E-06	3.45E-05	5.34E-06
6.35E+00	-1.66E-05	1.53E-05	-2.16E-05
6.36E+00	-3.81E-06	3.43E-06	-1.43E-05
6.36E+00	3.28E-05	1.32E-05	3.36E-05
6.37E+00	3.49E-05	1.34E-06	5.93E-05
6.37E+00	1.30E-05	-1.74E-05	5.02E-05
6.38E+00	2.67E-06	-1.54E-05	5.47E-05
6.38E+00	1.14E-06	0.00E+00	8.60E-05
6.39E+00	-2.65E-05	-1.91E-06	7.74E-05
6.39E+00	-5.99E-05	-2.38E-05	1.79E-05
6.40E+00	-5.04E-05	-2.38E-05	-6.68E-06
6.40E+00	-1.96E-05	-1.14E-06	5.34E-06
6.41E+00	-1.07E-05	1.03E-05	-1.91E-05
6.41E+00	-2.19E-05	-9.54E-07	-6.98E-05
6.42E+00	-1.72E-06	9.54E-07	-7.50E-05
6.42E+00	2.96E-05	1.30E-05	-2.82E-05
6.43E+00	2.31E-05	1.91E-07	-8.96E-06
6.43E+00	1.01E-05	-1.93E-05	-2.59E-05
6.44E+00	1.43E-05	-2.61E-05	-1.72E-06
6.44E+00	3.20E-05	-1.49E-05	4.75E-05
6.45E+00	3.17E-05	-1.72E-05	5.25E-05
6.45E+00	5.91E-06	-3.51E-05	2.71E-05
6.46E+00	1.14E-06	-1.68E-05	3.80E-05
6.46E+00	1.13E-05	1.51E-05	7.25E-05
6.47E+00	-7.44E-06	1.98E-05	4.84E-05
6.47E+00	-2.96E-05	9.16E-06	-1.45E-05
6.48E+00	-1.11E-05	1.13E-05	-2.57E-05
6.48E+00	1.18E-05	2.27E-05	-4.58E-06
6.49E+00	1.01E-05	8.58E-06	-3.32E-05
6.49E+00	7.06E-06	-1.89E-05	-7.19E-05
6.50E+00	2.73E-05	-1.79E-05	-4.35E-05
6.50E+00	5.63E-05	-3.24E-06	4.01E-06
6.51E+00	5.07E-05	-2.08E-05	7.25E-06
6.51E+00	2.77E-05	-4.37E-05	1.53E-06
6.52E+00	2.14E-05	-2.17E-05	3.05E-05
6.52E+00	1.96E-05	9.54E-06	5.23E-05
6.53E+00	0.00E+00	7.44E-06	2.96E-05
6.53E+00	-3.05E-05	-1.07E-05	-3.24E-06
6.54E+00	-3.30E-05	-3.05E-06	-2.10E-05
6.54E+00	-1.39E-05	2.14E-05	-3.07E-05
6.55E+00	-1.51E-05	1.20E-05	-5.19E-05
6.55E+00	-1.53E-05	-6.48E-06	-7.27E-05
6.56E+00	1.22E-05	9.54E-06	-4.35E-05

6.56E+00	3.03E-05	2.63E-05	1.11E-05
6.57E+00	1.72E-05	1.30E-05	1.28E-05
6.57E+00	-2.29E-06	-5.15E-06	-8.96E-06
6.58E+00	5.34E-06	-2.48E-06	2.06E-05
6.58E+00	1.95E-05	9.54E-07	5.30E-05
6.59E+00	3.62E-06	-1.85E-05	2.99E-05
6.59E+00	-9.35E-06	-3.45E-05	4.96E-06
6.60E+00	7.63E-06	-1.34E-05	2.25E-05
6.60E+00	1.98E-05	7.82E-06	4.65E-05
6.61E+00	-7.25E-06	7.63E-07	1.83E-05
6.61E+00	-3.30E-05	1.53E-06	-2.90E-05
6.62E+00	-2.29E-05	2.27E-05	-1.18E-05
6.62E+00	-2.67E-05	3.85E-05	3.38E-05
6.63E+00	-4.77E-05	1.98E-05	2.29E-05
6.63E+00	-4.35E-05	-2.10E-06	-9.54E-06
6.64E+00	-1.30E-05	6.87E-06	7.63E-06
6.64E+00	1.70E-05	1.01E-05	3.11E-05
6.65E+00	1.75E-05	-8.96E-06	0.00E+00
6.65E+00	2.23E-05	-2.29E-05	-3.40E-05
6.66E+00	5.09E-05	-5.91E-06	-1.18E-05
6.66E+00	5.21E-05	1.56E-05	1.54E-05
6.67E+00	1.58E-05	5.91E-06	-1.64E-05
6.67E+00	-1.07E-05	-1.14E-06	-5.30E-05
6.68E+00	-6.87E-06	1.89E-05	-3.60E-05
6.68E+00	-9.73E-06	2.80E-05	-1.64E-05
6.69E+00	-3.11E-05	5.53E-06	-3.19E-05
6.69E+00	-3.41E-05	-7.44E-06	-3.28E-05
6.70E+00	-1.14E-05	1.60E-05	1.95E-05
6.70E+00	3.05E-06	4.14E-05	5.68E-05
6.71E+00	-7.06E-06	3.09E-05	2.69E-05
6.71E+00	-9.73E-06	7.44E-06	4.96E-06
6.72E+00	1.20E-05	1.11E-05	2.94E-05
6.72E+00	2.33E-05	4.77E-06	3.30E-05
6.73E+00	1.85E-05	-3.22E-05	0.00E+00
6.73E+00	2.82E-05	-3.83E-05	-9.35E-06
6.74E+00	4.81E-05	-4.77E-06	1.41E-05
6.74E+00	4.81E-05	1.93E-05	1.93E-05
6.75E+00	1.72E-05	1.56E-05	-1.16E-05
6.75E+00	-9.35E-06	1.43E-05	-1.75E-05
6.76E+00	-9.16E-06	3.62E-05	1.62E-05
6.76E+00	-1.95E-05	3.59E-05	1.98E-05
6.77E+00	-4.50E-05	1.14E-06	-1.18E-05
6.77E+00	-4.29E-05	-1.43E-05	-4.44E-05
6.78E+00	-5.53E-06	-5.72E-06	-3.87E-05
6.78E+00	1.98E-05	-1.18E-05	-8.01E-06
6.79E+00	1.28E-05	-3.49E-05	-8.20E-06
6.79E+00	2.08E-05	-3.70E-05	1.72E-05

6.80E+00	4.75E-05	-8.96E-06	8.22E-05
6.80E+00	4.37E-05	1.64E-05	9.56E-05
6.81E+00	4.77E-06	1.66E-05	4.25E-05
6.81E+00	-2.77E-05	1.95E-05	-1.01E-05
6.82E+00	-2.57E-05	4.29E-05	-1.62E-05
6.82E+00	-2.84E-05	4.25E-05	-2.02E-05
6.83E+00	-4.22E-05	1.47E-05	-5.95E-05
6.83E+00	-1.58E-05	5.72E-07	-7.67E-05
6.84E+00	3.64E-05	5.15E-06	-4.94E-05
6.84E+00	5.49E-05	-7.06E-06	-2.33E-05
6.85E+00	3.47E-05	-4.60E-05	-2.10E-05
6.85E+00	2.52E-05	-5.42E-05	4.58E-06
6.86E+00	3.20E-05	-2.40E-05	7.17E-05
6.86E+00	1.24E-05	-1.18E-05	8.68E-05
6.87E+00	-3.30E-05	-2.21E-05	3.15E-05
6.87E+00	-5.04E-05	-7.44E-06	-3.24E-06
6.88E+00	-3.19E-05	3.81E-05	-8.01E-06
6.88E+00	-2.44E-05	5.57E-05	-3.91E-05
6.89E+00	-2.06E-05	2.88E-05	-9.46E-05
6.89E+00	5.34E-06	7.25E-06	-1.07E-04
6.90E+00	3.91E-05	8.96E-06	-6.03E-05
6.90E+00	4.92E-05	-1.14E-06	-3.30E-05
6.91E+00	3.45E-05	-2.82E-05	-3.99E-05
6.91E+00	4.01E-05	-2.86E-05	-1.91E-06
6.92E+00	5.36E-05	-2.10E-06	6.83E-05
6.92E+00	3.93E-05	-2.29E-06	8.81E-05
6.93E+00	1.58E-05	-2.35E-05	6.41E-05
6.93E+00	1.26E-05	-1.70E-05	4.96E-05
6.94E+00	1.60E-05	1.07E-05	5.68E-05
6.94E+00	-1.28E-05	1.60E-05	4.01E-05
6.95E+00	-4.81E-05	-2.48E-06	-1.05E-05
6.95E+00	-4.27E-05	-1.34E-06	-2.17E-05
6.96E+00	-1.70E-05	1.51E-05	2.48E-06
6.96E+00	-1.51E-05	2.29E-06	-2.10E-06
6.97E+00	-2.16E-05	-2.63E-05	-2.90E-05
6.97E+00	7.82E-06	-2.65E-05	-2.19E-05
6.98E+00	5.07E-05	-8.77E-06	1.91E-05
6.98E+00	5.61E-05	-6.68E-06	1.70E-05
6.99E+00	3.68E-05	-1.62E-05	-6.87E-06
6.99E+00	4.10E-05	-2.86E-06	7.63E-06
7.00E+00	3.72E-05	2.52E-05	2.84E-05
7.00E+00	-9.54E-07	2.08E-05	2.50E-05
7.01E+00	-3.17E-05	4.58E-06	2.29E-06
7.01E+00	-3.53E-05	2.06E-05	-1.91E-07
7.02E+00	-2.25E-05	4.31E-05	1.75E-05
7.02E+00	-2.96E-05	3.55E-05	4.96E-06
7.03E+00	-3.66E-05	1.30E-05	-3.11E-05

7.03E+00	-3.24E-06	9.35E-06	-3.03E-05
7.04E+00	2.71E-05	1.93E-05	-4.77E-06
7.04E+00	2.10E-05	-5.72E-07	-2.42E-05
7.05E+00	9.16E-06	-3.01E-05	-5.17E-05
7.05E+00	2.59E-05	-1.35E-05	-2.71E-05
7.06E+00	4.67E-05	1.26E-05	1.64E-05
7.06E+00	2.98E-05	6.68E-06	1.91E-05
7.07E+00	-2.10E-06	-4.20E-06	5.72E-07
7.07E+00	-1.91E-07	9.92E-06	1.72E-05
7.08E+00	1.16E-05	2.99E-05	3.99E-05
7.08E+00	-6.68E-06	1.93E-05	2.44E-05
7.09E+00	-1.72E-05	-1.91E-06	-1.13E-05
7.09E+00	2.48E-06	0.00E+00	-7.06E-06
7.10E+00	1.79E-05	8.01E-06	2.27E-05
7.10E+00	7.82E-06	-7.25E-06	9.73E-06
7.11E+00	-2.67E-06	-2.19E-05	-1.07E-05
7.11E+00	8.58E-06	-7.44E-06	6.10E-06
7.12E+00	1.47E-05	8.58E-06	1.58E-05
7.12E+00	-7.82E-06	-5.53E-06	-1.91E-05
7.13E+00	-2.54E-05	-1.96E-05	-4.92E-05
7.13E+00	-4.77E-06	-3.24E-06	-2.46E-05
7.14E+00	1.72E-05	1.14E-05	3.43E-06
7.14E+00	1.18E-05	1.53E-06	-1.39E-05
7.15E+00	9.92E-06	-1.35E-05	-2.84E-05
7.15E+00	3.05E-05	3.05E-06	9.54E-07
7.16E+00	4.22E-05	2.59E-05	3.28E-05
7.16E+00	1.28E-05	4.20E-06	1.91E-05
7.17E+00	-1.35E-05	-2.08E-05	1.14E-06
7.17E+00	-8.96E-06	-1.20E-05	2.96E-05
7.18E+00	-1.96E-05	-3.24E-06	3.89E-05
7.18E+00	-4.41E-05	-1.49E-05	-7.82E-06
7.19E+00	-4.27E-05	-1.95E-05	-4.84E-05
7.19E+00	-9.92E-06	3.62E-06	-4.54E-05
7.20E+00	1.62E-05	1.98E-05	-2.23E-05
7.20E+00	5.15E-06	9.54E-06	-1.93E-05
7.21E+00	1.14E-06	7.06E-06	-1.18E-05
7.21E+00	2.77E-05	2.38E-05	2.12E-05
7.22E+00	4.12E-05	3.24E-05	3.83E-05
7.22E+00	1.39E-05	9.92E-06	1.09E-05
7.23E+00	-1.49E-05	-1.37E-05	-2.96E-05
7.23E+00	-4.39E-06	-1.14E-06	-2.92E-05
7.24E+00	-1.91E-07	1.03E-05	-2.90E-05
7.24E+00	-1.85E-05	-8.01E-06	-6.12E-05
7.25E+00	-1.01E-05	-2.16E-05	-5.17E-05
7.25E+00	2.37E-05	-7.82E-06	2.04E-05
7.26E+00	3.76E-05	-1.91E-06	6.47E-05
7.26E+00	1.74E-05	-2.06E-05	3.76E-05

7.27E+00	4.39E-06	-2.57E-05	3.24E-05
7.27E+00	1.37E-05	-1.28E-05	7.17E-05
7.28E+00	7.63E-06	-7.82E-06	7.65E-05
7.28E+00	-1.45E-05	-1.60E-05	3.93E-05
7.29E+00	-2.00E-05	-1.11E-05	-1.16E-05
7.29E+00	3.81E-07	2.48E-05	-3.34E-05
7.30E+00	1.45E-05	4.60E-05	-4.62E-05
7.30E+00	-5.72E-06	2.52E-05	-9.31E-05
7.31E+00	-9.73E-06	1.66E-05	-1.07E-04
7.31E+00	2.37E-05	3.28E-05	-6.41E-05
7.32E+00	3.68E-05	1.83E-05	-2.56E-05
7.32E+00	2.80E-05	-2.12E-05	-2.40E-05
7.33E+00	4.06E-05	-3.55E-05	1.14E-06
7.33E+00	6.90E-05	-2.59E-05	5.78E-05
7.34E+00	6.22E-05	-2.80E-05	6.28E-05
7.34E+00	1.91E-05	-3.95E-05	3.80E-05
7.35E+00	-1.18E-05	-2.31E-05	2.99E-05
7.35E+00	-1.72E-05	1.98E-05	3.03E-05
7.36E+00	-2.31E-05	4.44E-05	7.82E-06
7.36E+00	-4.23E-05	3.51E-05	-4.23E-05
7.37E+00	-3.32E-05	3.30E-05	-4.86E-05
7.37E+00	6.29E-06	4.81E-05	-1.47E-05
7.38E+00	2.90E-05	3.07E-05	-2.57E-05
7.38E+00	3.45E-05	-7.25E-06	-6.75E-05
7.39E+00	4.75E-05	-1.70E-05	-4.41E-05
7.39E+00	6.64E-05	-7.44E-06	2.40E-05
7.40E+00	5.26E-05	-8.77E-06	3.72E-05
7.40E+00	1.51E-05	-2.31E-05	6.48E-06
7.41E+00	3.81E-06	-8.77E-06	6.10E-06
7.41E+00	1.91E-06	2.42E-05	2.84E-05
7.42E+00	-1.49E-05	2.42E-05	1.13E-05
7.42E+00	-2.75E-05	1.39E-05	-2.08E-05
7.43E+00	-1.68E-05	1.96E-05	-6.48E-06
7.43E+00	1.13E-05	3.87E-05	2.65E-05
7.44E+00	1.87E-05	3.80E-05	2.02E-05
7.44E+00	3.62E-06	6.10E-06	-2.29E-06
7.45E+00	1.14E-05	-8.01E-06	1.64E-05
7.45E+00	3.36E-05	-1.51E-05	4.83E-05
7.46E+00	2.63E-05	-3.41E-05	3.40E-05
7.46E+00	9.54E-06	-5.07E-05	-4.58E-06
7.47E+00	2.08E-05	-3.91E-05	-2.67E-06
7.47E+00	3.74E-05	1.14E-06	2.59E-05
7.48E+00	2.19E-05	1.35E-05	1.01E-05
7.48E+00	5.34E-06	1.81E-05	-2.96E-05
7.49E+00	1.39E-05	3.89E-05	-2.46E-05
7.49E+00	1.26E-05	4.92E-05	-3.81E-07
7.50E+00	-5.15E-06	3.38E-05	-1.62E-05

7.50E+00	-2.04E-05	-1.34E-06	-3.91E-05
7.51E+00	-8.77E-06	9.54E-07	-1.20E-05
7.51E+00	1.75E-05	1.87E-05	2.65E-05
7.52E+00	5.91E-06	7.63E-07	1.34E-05
7.52E+00	-1.22E-05	-1.39E-05	-1.93E-05
7.53E+00	7.06E-06	-1.91E-06	-3.62E-06
7.53E+00	1.96E-05	1.51E-05	3.43E-05
7.54E+00	4.01E-06	6.87E-06	2.90E-05
7.54E+00	-9.54E-06	-1.14E-05	-3.81E-07
7.55E+00	2.86E-06	-3.81E-07	5.34E-06
7.55E+00	2.57E-05	1.77E-05	1.75E-05
7.56E+00	2.56E-05	1.13E-05	-1.60E-05
7.56E+00	2.16E-05	5.72E-07	-4.08E-05
7.57E+00	3.38E-05	1.49E-05	-6.68E-06
7.57E+00	4.12E-05	2.96E-05	3.03E-05
7.58E+00	2.10E-05	1.11E-05	1.45E-05
7.58E+00	-6.68E-06	-1.05E-05	-9.35E-06
7.59E+00	-7.06E-06	-4.01E-06	1.79E-05
7.59E+00	-9.54E-06	6.10E-06	3.93E-05
7.60E+00	-3.78E-05	-1.05E-05	-8.20E-06
7.60E+00	-5.11E-05	-2.00E-05	-5.95E-05
7.61E+00	-3.01E-05	4.20E-06	-4.02E-05
7.61E+00	-1.56E-05	1.74E-05	5.72E-06
7.62E+00	-2.02E-05	8.96E-06	3.81E-06
7.62E+00	-1.39E-05	7.63E-06	-1.03E-05
7.63E+00	1.24E-05	2.25E-05	1.81E-05
7.63E+00	3.62E-05	2.71E-05	3.38E-05
7.64E+00	2.90E-05	1.14E-06	-4.58E-06
7.64E+00	2.61E-05	-2.08E-05	-3.85E-05
7.65E+00	4.75E-05	-1.34E-05	-2.38E-05
7.65E+00	4.77E-05	-2.86E-06	-4.01E-06
7.66E+00	2.33E-05	-1.74E-05	-2.57E-05
7.66E+00	3.43E-06	-2.80E-05	-4.86E-05
7.67E+00	7.44E-06	-8.01E-06	-2.99E-05
7.67E+00	2.29E-06	1.13E-05	-8.01E-06
7.68E+00	-2.92E-05	4.58E-06	-1.18E-05
7.68E+00	-3.89E-05	-3.81E-07	-1.41E-05
7.69E+00	-2.08E-05	2.10E-05	1.87E-05
7.69E+00	-4.77E-06	2.86E-05	5.44E-05
7.70E+00	-3.43E-06	2.67E-06	3.17E-05
7.70E+00	1.03E-05	-7.82E-06	1.22E-05
7.71E+00	4.25E-05	1.01E-05	4.83E-05
7.71E+00	3.70E-05	9.92E-06	5.23E-05
7.72E+00	-3.81E-07	-2.14E-05	-1.01E-05
7.72E+00	-1.14E-05	-2.80E-05	-5.05E-05
7.73E+00	-1.91E-07	-1.34E-06	-2.33E-05
7.73E+00	-1.34E-06	2.29E-06	-1.11E-05

7.74E+00	-2.25E-05	-1.66E-05	-5.63E-05
7.74E+00	-2.38E-05	-1.30E-05	-7.67E-05
7.75E+00	6.68E-06	1.39E-05	-3.60E-05
7.75E+00	1.20E-05	1.81E-05	-9.16E-06
7.76E+00	-1.14E-06	-1.53E-06	-2.56E-05
7.76E+00	4.77E-06	1.34E-06	-1.51E-05
7.77E+00	2.57E-05	2.73E-05	2.57E-05
7.77E+00	3.85E-05	3.05E-05	2.23E-05
7.78E+00	2.52E-05	9.16E-06	-2.35E-05
7.78E+00	2.54E-05	1.11E-05	-3.43E-05
7.79E+00	3.93E-05	2.04E-05	-3.05E-06
7.79E+00	2.57E-05	3.24E-06	-1.53E-06
7.80E+00	2.48E-06	-2.27E-05	-3.64E-05
7.80E+00	1.72E-06	-2.82E-05	-3.36E-05
7.81E+00	1.49E-05	-1.05E-05	1.24E-05
7.81E+00	1.53E-06	-4.77E-06	1.93E-05
7.82E+00	-1.87E-05	-7.82E-06	-1.30E-05
7.82E+00	-6.48E-06	4.96E-06	-2.04E-05
7.83E+00	1.37E-05	2.42E-05	7.44E-06
7.83E+00	9.73E-06	2.08E-05	1.95E-05
7.84E+00	-6.29E-06	-5.53E-06	-1.45E-05
7.84E+00	5.15E-06	-1.26E-05	-1.14E-05
7.85E+00	3.19E-05	-3.81E-06	3.87E-05
7.85E+00	2.90E-05	-1.13E-05	4.43E-05
7.86E+00	9.73E-06	-2.98E-05	1.83E-05
7.86E+00	1.24E-05	-3.19E-05	2.86E-06
7.87E+00	2.59E-05	-3.24E-06	9.92E-06
7.87E+00	1.60E-05	1.24E-05	6.29E-06
7.88E+00	-3.24E-06	-3.05E-06	-2.78E-05
7.88E+00	4.20E-06	2.48E-06	-7.63E-06
7.89E+00	2.35E-05	2.52E-05	4.79E-05
7.89E+00	1.47E-05	2.08E-05	5.07E-05
7.90E+00	-6.87E-06	2.67E-06	2.88E-05
7.90E+00	6.68E-06	2.67E-06	3.36E-05
7.91E+00	2.82E-05	1.35E-05	5.72E-05
7.91E+00	1.32E-05	8.39E-06	3.32E-05
7.92E+00	-6.48E-06	-1.34E-06	-2.52E-05
7.92E+00	-5.72E-07	1.62E-05	-3.38E-05
7.93E+00	9.54E-06	3.85E-05	-2.08E-05
7.93E+00	-5.15E-06	2.86E-05	-5.00E-05
7.94E+00	-1.77E-05	8.01E-06	-9.40E-05
7.94E+00	6.68E-06	7.82E-06	-8.62E-05
7.95E+00	3.38E-05	9.16E-06	-3.20E-05
7.95E+00	3.15E-05	-9.73E-06	-4.20E-06
7.96E+00	2.04E-05	-2.50E-05	2.10E-06
7.96E+00	2.84E-05	-6.48E-06	3.97E-05
7.97E+00	2.94E-05	1.98E-05	7.17E-05

7.97E+00	-3.81E-06	1.03E-05	3.97E-05
7.98E+00	-3.34E-05	-5.15E-06	-6.10E-06
7.98E+00	-3.45E-05	1.43E-05	-2.67E-06
7.99E+00	-2.29E-05	2.35E-05	-4.39E-06
7.99E+00	-2.42E-05	-6.68E-06	-4.65E-05
8.00E+00	-1.98E-05	-3.01E-05	-6.81E-05
8.00E+00	1.64E-05	-2.23E-05	-3.17E-05
8.01E+00	3.40E-05	-8.58E-06	1.18E-05
8.01E+00	2.14E-05	-1.70E-05	0.00E+00
8.02E+00	1.85E-05	-2.56E-05	-1.93E-05
8.02E+00	2.96E-05	-2.48E-06	8.77E-06
8.03E+00	4.01E-05	1.77E-05	3.57E-05
8.03E+00	1.85E-05	7.44E-06	2.48E-05
8.04E+00	-1.09E-05	7.63E-07	2.29E-06
8.04E+00	3.81E-07	1.87E-05	1.95E-05
8.05E+00	8.39E-06	3.09E-05	4.06E-05
8.05E+00	-1.45E-05	8.01E-06	5.53E-06
8.06E+00	-1.87E-05	-1.64E-05	-1.49E-05
8.06E+00	5.15E-06	-6.48E-06	5.15E-06
8.07E+00	1.24E-05	-5.72E-07	-7.63E-07
8.07E+00	-1.11E-05	-1.79E-05	-3.60E-05
8.08E+00	-1.74E-05	-2.21E-05	-5.40E-05
8.08E+00	4.20E-06	2.67E-06	-3.13E-05
8.09E+00	1.64E-05	2.37E-05	-1.98E-05
8.09E+00	8.77E-06	9.35E-06	-4.94E-05
8.10E+00	-1.14E-06	-1.14E-06	-5.21E-05
8.10E+00	1.53E-05	1.47E-05	-6.29E-06
8.11E+00	2.12E-05	1.70E-05	2.08E-05
8.11E+00	-3.05E-06	-4.39E-06	6.29E-06
8.12E+00	-4.77E-06	-1.89E-05	3.62E-06
8.12E+00	7.44E-06	-8.96E-06	3.83E-05
8.13E+00	-2.67E-06	-7.25E-06	5.11E-05
8.13E+00	-2.71E-05	-2.52E-05	1.03E-05
8.14E+00	-2.52E-05	-1.93E-05	-6.29E-06
8.14E+00	1.91E-07	1.16E-05	1.75E-05
8.15E+00	5.72E-07	1.83E-05	1.81E-05
8.15E+00	-1.66E-05	-3.24E-06	-1.72E-06
8.16E+00	-8.39E-06	-4.39E-06	-4.96E-06
8.16E+00	1.64E-05	1.39E-05	2.61E-05
8.17E+00	1.74E-05	1.32E-05	4.10E-05
8.17E+00	9.54E-07	-2.86E-06	1.77E-05
8.18E+00	1.20E-05	-5.91E-06	1.79E-05
8.18E+00	4.81E-05	8.58E-06	4.20E-05
8.19E+00	5.28E-05	5.15E-06	3.30E-05
8.19E+00	2.23E-05	-1.72E-05	-2.33E-05
8.20E+00	4.96E-06	-1.75E-05	-5.42E-05
8.20E+00	9.35E-06	3.43E-06	-4.33E-05

8.21E+00	-4.39E-06	2.29E-06	-5.36E-05
8.21E+00	-3.80E-05	-1.68E-05	-6.33E-05
8.22E+00	-4.35E-05	-6.48E-06	-3.05E-05
8.22E+00	-1.93E-05	2.14E-05	2.37E-05
8.23E+00	-4.39E-06	2.65E-05	3.68E-05
8.23E+00	-9.73E-06	1.14E-05	1.45E-05
8.24E+00	6.68E-06	1.20E-05	2.04E-05
8.24E+00	3.97E-05	2.88E-05	3.80E-05
8.25E+00	3.62E-05	2.08E-05	2.40E-05
8.25E+00	2.17E-05	-3.05E-06	-1.47E-05
8.26E+00	2.65E-05	-1.91E-06	-2.56E-05
8.26E+00	3.22E-05	1.83E-05	4.96E-06
8.27E+00	8.01E-06	1.20E-05	9.16E-06
8.27E+00	-2.35E-05	-1.24E-05	-1.91E-05
8.28E+00	-1.20E-05	-7.82E-06	-1.93E-05
8.28E+00	5.15E-06	9.16E-06	-3.24E-06
8.29E+00	-4.77E-06	-3.81E-07	-1.68E-05
8.29E+00	-1.87E-05	-2.38E-05	-4.44E-05
8.30E+00	-7.06E-06	-2.57E-05	-5.19E-05
8.30E+00	2.23E-05	-8.01E-06	-4.01E-05
8.31E+00	2.27E-05	-5.91E-06	-3.17E-05
8.31E+00	1.14E-05	-1.75E-05	-2.56E-05
8.32E+00	2.52E-05	9.54E-07	8.77E-06
8.32E+00	4.02E-05	4.02E-05	5.44E-05
8.33E+00	1.75E-05	4.75E-05	5.63E-05
8.33E+00	-1.49E-05	3.09E-05	3.20E-05
8.34E+00	-2.48E-06	3.20E-05	3.89E-05
8.34E+00	1.13E-05	3.32E-05	5.97E-05
8.35E+00	-1.09E-05	3.05E-06	2.37E-05
8.35E+00	-2.52E-05	-2.73E-05	-2.94E-05
8.36E+00	-1.03E-05	-2.52E-05	-3.24E-05
8.36E+00	1.20E-05	-1.53E-05	-4.01E-05
8.37E+00	1.64E-05	-2.77E-05	-7.86E-05
8.37E+00	1.20E-05	-4.43E-05	-9.06E-05
8.38E+00	3.51E-05	-3.07E-05	-3.80E-05
8.38E+00	5.78E-05	-7.82E-06	2.35E-05
8.39E+00	3.68E-05	-1.13E-05	2.94E-05
8.39E+00	1.13E-05	-1.22E-05	2.73E-05
8.40E+00	7.44E-06	1.11E-05	5.44E-05
8.40E+00	-5.15E-06	2.57E-05	6.75E-05
8.41E+00	-3.32E-05	1.37E-05	3.85E-05
8.41E+00	-4.54E-05	-5.72E-07	-1.72E-06
8.42E+00	-1.60E-05	6.48E-06	-4.58E-06
8.42E+00	1.09E-05	1.53E-05	1.34E-06
8.43E+00	2.86E-06	-2.86E-06	-3.38E-05
8.43E+00	3.62E-06	-2.73E-05	-5.87E-05
8.44E+00	2.33E-05	-1.75E-05	-3.03E-05

8.44E+00	2.78E-05	1.53E-06	-1.91E-07
8.45E+00	7.25E-06	-5.53E-06	-5.72E-06
8.45E+00	-6.87E-06	-7.82E-06	-1.30E-05
8.46E+00	1.07E-05	1.26E-05	1.39E-05
8.46E+00	1.74E-05	2.35E-05	3.51E-05
8.47E+00	-1.24E-05	8.20E-06	1.60E-05
8.47E+00	-2.73E-05	1.14E-06	6.10E-06
8.48E+00	-1.45E-05	1.96E-05	3.13E-05
8.48E+00	-9.54E-06	2.23E-05	4.37E-05
8.49E+00	-2.08E-05	-3.62E-06	8.39E-06
8.49E+00	-2.10E-05	-1.03E-05	-4.01E-06
8.50E+00	6.87E-06	1.16E-05	3.43E-05
8.50E+00	1.32E-05	1.60E-05	3.38E-05
8.51E+00	-1.13E-05	1.53E-06	-3.24E-06
8.51E+00	-8.96E-06	1.07E-05	-1.18E-05
8.52E+00	3.81E-06	4.14E-05	7.06E-06
8.52E+00	-7.06E-06	4.90E-05	3.81E-07
8.53E+00	-2.04E-05	2.27E-05	-5.00E-05
8.53E+00	-1.22E-05	2.29E-06	-5.47E-05
8.54E+00	1.53E-05	7.63E-06	1.07E-05
8.54E+00	2.69E-05	-1.53E-06	3.80E-05
8.55E+00	1.03E-05	-3.11E-05	1.91E-06
8.55E+00	5.72E-06	-3.07E-05	-1.20E-05
8.56E+00	2.46E-05	-6.48E-06	2.50E-05
8.56E+00	2.57E-05	1.91E-06	4.16E-05
8.57E+00	-4.20E-06	-1.35E-05	5.72E-07
8.57E+00	-1.83E-05	-1.22E-05	-1.35E-05
8.58E+00	2.29E-06	1.83E-05	1.98E-05
8.58E+00	5.34E-06	2.10E-05	1.74E-05
8.59E+00	-1.54E-05	-6.48E-06	-1.93E-05
8.59E+00	-6.48E-06	-2.10E-05	-2.14E-05
8.60E+00	1.74E-05	-7.06E-06	1.05E-05
8.60E+00	1.37E-05	-1.72E-06	-1.72E-06
8.61E+00	-1.53E-06	-3.09E-05	-4.81E-05
8.61E+00	5.53E-06	-3.32E-05	-4.50E-05
8.62E+00	2.86E-05	-1.14E-06	-1.03E-05
8.62E+00	2.44E-05	8.96E-06	-1.24E-05
8.63E+00	-9.54E-07	-3.81E-07	-4.01E-05
8.63E+00	-5.53E-06	5.53E-06	-2.50E-05
8.64E+00	3.05E-06	3.03E-05	2.08E-05
8.64E+00	-1.14E-05	3.11E-05	1.56E-05
8.65E+00	-3.95E-05	8.01E-06	-3.81E-05
8.65E+00	-3.64E-05	8.20E-06	-4.37E-05
8.66E+00	-1.35E-05	1.95E-05	7.82E-06
8.66E+00	-8.96E-06	5.91E-06	1.20E-05
8.67E+00	-1.53E-05	-1.95E-05	-1.81E-05
8.67E+00	3.43E-06	-1.75E-05	-2.29E-06

8.68E+00	3.60E-05	4.96E-06	3.53E-05
8.68E+00	2.92E-05	5.53E-06	2.69E-05
8.69E+00	7.82E-06	-9.73E-06	-2.04E-05
8.69E+00	7.25E-06	-9.54E-07	-1.45E-05
8.70E+00	6.48E-06	2.19E-05	3.45E-05
8.70E+00	-1.11E-05	1.98E-05	2.98E-05
8.71E+00	-3.45E-05	5.72E-06	-1.91E-06
8.71E+00	-2.63E-05	1.49E-05	1.68E-05
8.72E+00	-5.91E-06	2.78E-05	7.04E-05
8.72E+00	-8.01E-06	1.66E-05	7.34E-05
8.73E+00	-1.07E-05	-1.72E-06	3.34E-05
8.73E+00	1.03E-05	7.63E-07	3.32E-05
8.74E+00	3.01E-05	9.73E-06	4.90E-05
8.74E+00	1.60E-05	-8.39E-06	6.48E-06
8.75E+00	5.53E-06	-3.07E-05	-7.02E-05
8.75E+00	1.20E-05	-1.81E-05	-8.26E-05
8.76E+00	1.01E-05	3.81E-06	-5.04E-05
8.76E+00	2.48E-06	-9.54E-07	-6.18E-05
8.77E+00	1.72E-06	-1.32E-05	-6.24E-05
8.77E+00	1.37E-05	2.67E-06	6.87E-06
8.78E+00	1.85E-05	1.72E-05	7.90E-05
8.78E+00	3.24E-06	2.67E-06	7.76E-05
8.79E+00	-1.26E-05	-8.96E-06	4.37E-05
8.79E+00	-1.34E-06	-7.63E-07	4.62E-05
8.80E+00	1.01E-05	1.72E-06	5.55E-05
8.80E+00	-1.22E-05	-1.85E-05	3.22E-05
8.81E+00	-2.19E-05	-1.96E-05	-6.10E-06
8.81E+00	0.00E+00	1.14E-05	-1.09E-05
8.82E+00	8.77E-06	2.37E-05	3.81E-06
8.82E+00	-1.20E-05	2.29E-06	-2.35E-05
8.83E+00	-2.50E-05	-1.49E-05	-5.46E-05
8.83E+00	-8.20E-06	4.01E-06	-3.36E-05
8.84E+00	-3.43E-06	1.41E-05	-1.72E-06
8.84E+00	-1.18E-05	-1.26E-05	-5.34E-06
8.85E+00	4.96E-06	-1.87E-05	-7.44E-06
8.85E+00	3.59E-05	1.91E-06	1.72E-05
8.86E+00	5.34E-05	2.10E-06	2.16E-05
8.86E+00	4.54E-05	-2.14E-05	-1.34E-06
8.87E+00	3.55E-05	-3.17E-05	-4.01E-06
8.87E+00	4.48E-05	-1.39E-05	2.50E-05
8.88E+00	2.73E-05	1.53E-06	3.66E-05
8.88E+00	-2.04E-05	-2.67E-06	1.14E-05
8.89E+00	-3.83E-05	9.35E-06	-1.91E-07
8.89E+00	-2.69E-05	3.87E-05	7.82E-06
8.90E+00	-2.33E-05	3.01E-05	2.29E-06
8.90E+00	-2.99E-05	-1.26E-05	-1.74E-05
8.91E+00	-1.18E-05	-3.93E-05	-2.00E-05

8.91E+00	2.98E-05	-3.36E-05	9.54E-07
8.92E+00	3.47E-05	-2.99E-05	-1.14E-06
8.92E+00	5.15E-06	-4.29E-05	-2.25E-05
8.93E+00	2.29E-06	-2.00E-05	-2.06E-05
8.93E+00	2.12E-05	3.41E-05	-5.91E-06
8.94E+00	9.35E-06	5.65E-05	-1.14E-05
8.94E+00	-2.54E-05	4.54E-05	-3.34E-05
8.95E+00	-2.94E-05	4.63E-05	-2.31E-05
8.95E+00	-1.03E-05	5.65E-05	1.39E-05
8.96E+00	-1.53E-05	3.20E-05	2.02E-05
8.96E+00	-2.96E-05	-1.13E-05	4.39E-06
8.97E+00	-1.87E-05	-1.79E-05	1.22E-05
8.97E+00	9.73E-06	4.01E-06	3.32E-05
8.98E+00	1.35E-05	-4.39E-06	1.37E-05
8.98E+00	-7.25E-06	-3.28E-05	-2.48E-05
8.99E+00	8.39E-06	-2.63E-05	-1.60E-05
8.99E+00	4.48E-05	-2.86E-06	7.82E-06
9.00E+00	3.81E-05	-7.44E-06	9.54E-06
9.00E+00	4.20E-06	-3.57E-05	1.89E-05
9.01E+00	-1.18E-05	-2.94E-05	5.57E-05
9.01E+00	-1.53E-06	1.09E-05	8.72E-05
9.02E+00	-9.54E-07	2.14E-05	5.05E-05
9.02E+00	-2.12E-05	7.06E-06	-9.35E-06
9.03E+00	-1.13E-05	6.87E-06	-1.68E-05
9.03E+00	1.07E-05	9.54E-06	-2.12E-05
9.04E+00	-5.53E-06	-2.65E-05	-6.56E-05
9.04E+00	-2.08E-05	-7.10E-05	-9.42E-05
9.05E+00	-2.10E-06	-6.20E-05	-6.56E-05
9.05E+00	1.77E-05	-2.33E-05	-2.29E-05
9.06E+00	1.13E-05	-7.44E-06	-1.75E-05
9.06E+00	-1.34E-06	-9.54E-07	-2.29E-05
9.07E+00	6.68E-06	4.08E-05	1.53E-05
9.07E+00	1.60E-05	7.55E-05	5.04E-05
9.08E+00	-4.77E-06	5.02E-05	2.44E-05
9.08E+00	-3.60E-05	6.10E-06	4.96E-06
9.09E+00	-3.30E-05	-2.29E-06	2.77E-05
9.09E+00	-1.70E-05	1.43E-05	2.98E-05
9.10E+00	-3.34E-05	-3.05E-06	-1.77E-05
9.10E+00	-4.60E-05	-3.15E-05	-5.80E-05
9.11E+00	-1.74E-05	-2.06E-05	-3.24E-05
9.11E+00	1.75E-05	-9.16E-06	7.82E-06
9.12E+00	2.67E-05	-1.93E-05	1.43E-05
9.12E+00	1.85E-05	-2.42E-05	2.54E-05
9.13E+00	2.57E-05	-1.91E-07	6.12E-05
9.13E+00	3.74E-05	2.61E-05	7.32E-05
9.14E+00	9.73E-06	1.09E-05	2.31E-05
9.14E+00	-1.39E-05	-1.05E-05	-1.53E-05

9.15E+00	3.05E-06	5.15E-06	1.32E-05
9.15E+00	8.96E-06	2.56E-05	2.46E-05
9.16E+00	-9.35E-06	1.18E-05	-2.52E-05
9.16E+00	-1.72E-05	-8.58E-06	-4.69E-05
9.17E+00	-2.86E-06	-5.34E-06	-6.29E-06
9.17E+00	9.73E-06	-8.58E-06	1.32E-05
9.18E+00	-4.77E-06	-3.32E-05	-1.34E-05
9.18E+00	-1.11E-05	-4.79E-05	-1.09E-05
9.19E+00	1.60E-05	-2.57E-05	4.73E-05
9.19E+00	3.62E-05	7.44E-06	5.21E-05
9.20E+00	2.27E-05	-1.72E-06	-2.33E-05
9.20E+00	9.35E-06	-5.34E-06	-4.75E-05
9.21E+00	1.79E-05	2.75E-05	-6.87E-06
9.21E+00	1.56E-05	4.44E-05	-9.54E-07
9.22E+00	-9.73E-06	3.59E-05	-4.56E-05
9.22E+00	-2.69E-05	1.49E-05	-5.17E-05
9.23E+00	-1.64E-05	1.60E-05	8.01E-06
9.23E+00	-1.43E-05	1.37E-05	3.07E-05
9.24E+00	-3.24E-05	-1.81E-05	-5.15E-06
9.24E+00	-2.73E-05	-2.61E-05	7.63E-06
9.25E+00	-1.14E-06	1.91E-07	7.99E-05
9.25E+00	7.06E-06	2.56E-05	8.83E-05
9.26E+00	-1.11E-05	1.54E-05	2.16E-05
9.26E+00	-1.62E-05	9.35E-06	-4.58E-06
9.27E+00	1.72E-06	3.11E-05	1.47E-05
9.27E+00	5.34E-06	2.96E-05	-6.68E-06
9.28E+00	-7.63E-06	-4.01E-06	-6.89E-05
9.28E+00	-7.63E-06	-2.65E-05	-6.56E-05
9.29E+00	1.03E-05	-1.14E-05	-4.20E-06
9.29E+00	1.32E-05	-4.58E-06	-1.07E-05
9.30E+00	3.05E-06	-2.42E-05	-5.38E-05
9.30E+00	9.16E-06	-2.50E-05	-2.65E-05
9.31E+00	2.14E-05	-4.20E-06	3.81E-05
9.31E+00	1.41E-05	-1.91E-06	4.27E-05
9.32E+00	-8.96E-06	-1.83E-05	1.39E-05
9.32E+00	-7.82E-06	-5.72E-06	5.49E-05
9.33E+00	8.58E-06	3.19E-05	1.08E-04
9.33E+00	-8.77E-06	4.77E-05	6.50E-05
9.34E+00	-3.05E-05	3.51E-05	-1.83E-05
9.34E+00	-1.85E-05	2.82E-05	-3.28E-05
9.35E+00	-7.63E-06	2.69E-05	4.39E-06
9.35E+00	-1.81E-05	-3.62E-06	-1.37E-05
9.36E+00	-2.69E-05	-4.86E-05	-6.50E-05
9.36E+00	-7.82E-06	-5.97E-05	-4.37E-05
9.37E+00	2.38E-05	-3.72E-05	1.34E-05
9.37E+00	2.69E-05	-2.21E-05	2.67E-06
9.38E+00	2.06E-05	-1.70E-05	-3.36E-05

9.38E+00	3.55E-05	5.72E-07	1.79E-05
9.39E+00	4.50E-05	2.48E-05	8.24E-05
9.39E+00	2.00E-05	2.46E-05	4.60E-05
9.40E+00	-1.26E-05	-5.34E-06	-1.54E-05
9.40E+00	-1.30E-05	-1.11E-05	-7.63E-07
9.41E+00	-6.68E-06	6.48E-06	4.94E-05
9.41E+00	-2.46E-05	3.05E-06	2.29E-05
9.42E+00	-3.49E-05	-1.26E-05	-3.03E-05
9.42E+00	-7.63E-06	-1.66E-05	9.73E-06
9.43E+00	1.87E-05	-6.87E-06	5.91E-05
9.43E+00	2.10E-06	-1.66E-05	1.54E-05
9.44E+00	-1.30E-05	-3.34E-05	-4.43E-05
9.44E+00	1.20E-05	-1.49E-05	-1.51E-05
9.45E+00	1.85E-05	1.03E-05	3.76E-05
9.45E+00	-8.01E-06	6.87E-06	3.81E-07
9.46E+00	-1.13E-05	-7.44E-06	-4.67E-05
9.46E+00	1.98E-05	9.54E-07	-5.72E-07
9.47E+00	3.99E-05	1.28E-05	5.68E-05
9.47E+00	1.54E-05	3.81E-07	2.75E-05
9.48E+00	-3.81E-07	-1.39E-05	-4.58E-06
9.48E+00	1.26E-05	-9.92E-06	6.28E-05
9.49E+00	4.96E-06	-1.14E-06	1.36E-04
9.49E+00	-3.11E-05	-1.41E-05	1.06E-04
9.50E+00	-5.47E-05	-1.79E-05	4.88E-05
9.50E+00	-3.09E-05	5.91E-06	6.41E-05
9.51E+00	-1.13E-05	1.85E-05	8.05E-05
9.51E+00	-2.59E-05	8.39E-06	3.62E-06
9.52E+00	-1.62E-05	-7.63E-07	-5.91E-05
9.52E+00	2.33E-05	1.45E-05	4.01E-06
9.53E+00	4.22E-05	1.85E-05	7.08E-05
9.53E+00	2.90E-05	-1.85E-05	3.72E-05
9.54E+00	2.23E-05	-3.76E-05	6.29E-06
9.54E+00	3.07E-05	-1.39E-05	5.40E-05
9.55E+00	2.46E-05	3.05E-06	9.19E-05
9.55E+00	-7.44E-06	-1.72E-06	4.27E-05
9.56E+00	-3.15E-05	-2.67E-06	-1.45E-05
9.56E+00	-1.95E-05	1.62E-05	2.02E-05
9.57E+00	-1.72E-05	3.26E-05	6.28E-05
9.57E+00	-4.02E-05	1.93E-05	1.18E-05
9.58E+00	-3.43E-05	8.58E-06	-2.80E-05
9.58E+00	-9.92E-06	2.16E-05	2.57E-05
9.59E+00	-7.63E-06	1.89E-05	7.67E-05
9.59E+00	-1.85E-05	-3.81E-06	5.57E-05
9.60E+00	-1.22E-05	-4.96E-06	3.17E-05
9.60E+00	1.96E-05	8.77E-06	7.46E-05
9.61E+00	2.77E-05	3.05E-06	1.13E-04
9.61E+00	1.34E-06	-1.98E-05	6.66E-05

9.62E+00	-8.20E-06	-2.33E-05	2.65E-05
9.62E+00	1.91E-06	-5.34E-06	6.52E-05
9.63E+00	-5.91E-06	-7.44E-06	8.37E-05
9.63E+00	-3.47E-05	-2.46E-05	3.17E-05
9.64E+00	-3.22E-05	-2.04E-05	-8.58E-06
9.64E+00	7.06E-06	7.25E-06	1.66E-05
9.65E+00	1.58E-05	1.49E-05	2.10E-05
9.65E+00	-1.72E-06	-5.34E-06	-5.04E-05
9.66E+00	6.87E-06	-1.35E-05	-8.11E-05
9.66E+00	2.80E-05	-1.51E-05	-1.35E-05
9.67E+00	1.95E-05	-2.38E-05	5.86E-05
9.67E+00	-1.37E-05	-3.11E-05	7.93E-05
9.68E+00	-1.16E-05	-1.03E-05	1.04E-04
9.68E+00	2.16E-05	2.35E-05	1.86E-04
9.69E+00	1.72E-05	1.79E-05	2.55E-04
9.69E+00	-5.72E-07	-1.26E-05	2.50E-04
9.70E+00	2.37E-05	-2.35E-05	2.73E-04
9.70E+00	5.74E-05	-1.66E-05	3.91E-04
9.71E+00	4.73E-05	-3.87E-05	4.98E-04
9.71E+00	1.60E-05	-7.61E-05	5.34E-04
9.72E+00	1.87E-05	-6.98E-05	5.87E-04
9.72E+00	3.34E-05	-4.14E-05	6.96E-04
9.73E+00	1.22E-05	-3.78E-05	7.58E-04
9.73E+00	-2.61E-05	-5.44E-05	7.23E-04
9.74E+00	-2.75E-05	-5.00E-05	6.88E-04
9.74E+00	-5.15E-06	-2.40E-05	7.09E-04
9.75E+00	-1.96E-05	-2.94E-05	6.93E-04
9.75E+00	-4.94E-05	-5.51E-05	5.81E-04
9.76E+00	-4.22E-05	-4.84E-05	4.76E-04
9.76E+00	-2.48E-05	-3.22E-05	4.20E-04
9.77E+00	-4.35E-05	-4.62E-05	3.00E-04
9.77E+00	-7.38E-05	-5.47E-05	1.01E-04
9.78E+00	-6.31E-05	-1.87E-05	-5.72E-05
9.78E+00	-3.26E-05	2.52E-05	-1.34E-04
9.79E+00	-3.70E-05	2.92E-05	-2.25E-04
9.79E+00	-4.58E-05	1.93E-05	-3.51E-04
9.80E+00	-6.68E-06	4.39E-05	-4.10E-04
9.80E+00	4.27E-05	7.23E-05	-3.97E-04
9.81E+00	4.39E-05	6.05E-05	-4.20E-04
9.81E+00	2.69E-05	3.95E-05	-4.85E-04
9.82E+00	4.62E-05	4.58E-05	-4.92E-04
9.82E+00	6.62E-05	6.28E-05	-4.32E-04
9.83E+00	4.83E-05	5.61E-05	-3.99E-04
9.83E+00	3.09E-05	4.44E-05	-4.20E-04
9.84E+00	5.11E-05	6.28E-05	-4.09E-04
9.84E+00	7.50E-05	8.18E-05	-3.44E-04
9.85E+00	5.70E-05	5.82E-05	-3.17E-04

9.85E+00	3.72E-05	1.95E-05	-3.15E-04
9.86E+00	5.38E-05	1.34E-05	-2.29E-04
9.86E+00	6.45E-05	-2.48E-06	-6.77E-05
9.87E+00	3.93E-05	-6.66E-05	5.17E-05
9.87E+00	1.49E-05	-1.23E-04	1.43E-04
9.88E+00	2.10E-05	-1.27E-04	3.08E-04
9.88E+00	2.63E-05	-1.05E-04	5.02E-04
9.89E+00	4.01E-06	-9.96E-05	6.35E-04
9.89E+00	-1.35E-05	-9.57E-05	7.25E-04
9.90E+00	4.01E-06	-6.89E-05	8.26E-04
9.90E+00	6.87E-06	-5.53E-05	9.20E-04
9.91E+00	-3.40E-05	-8.32E-05	9.04E-04
9.91E+00	-6.33E-05	-1.03E-04	8.02E-04
9.92E+00	-5.70E-05	-7.40E-05	7.53E-04
9.92E+00	-5.38E-05	-4.77E-05	7.60E-04
9.93E+00	-7.42E-05	-6.08E-05	7.50E-04
9.93E+00	-7.10E-05	-6.03E-05	7.78E-04
9.94E+00	-3.49E-05	-4.01E-05	9.14E-04
9.94E+00	-3.22E-05	-3.85E-05	1.06E-03
9.95E+00	-6.28E-05	-5.32E-05	1.12E-03
9.95E+00	-6.71E-05	-6.26E-05	1.13E-03
9.96E+00	-4.39E-05	-4.08E-05	1.16E-03
9.96E+00	-3.51E-05	-2.14E-05	1.17E-03
9.97E+00	-4.83E-05	-3.40E-05	1.08E-03
9.97E+00	-3.72E-05	-2.16E-05	9.64E-04
9.98E+00	8.01E-06	1.70E-05	8.76E-04
9.98E+00	1.72E-05	2.19E-05	7.33E-04
9.99E+00	-1.81E-05	-6.29E-06	4.54E-04
9.99E+00	-3.72E-05	-3.15E-05	1.00E-04
1.00E+01	-4.20E-05	-2.16E-05	-2.27E-04
1.00E+01	-7.42E-05	-1.53E-06	-5.46E-04
1.00E+01	-1.16E-04	2.29E-06	-9.12E-04
1.00E+01	-1.05E-04	3.95E-05	-1.25E-03
1.00E+01	-5.34E-05	1.05E-04	-1.46E-03
1.00E+01	-2.99E-05	1.34E-04	-1.63E-03
1.00E+01	-2.84E-05	1.26E-04	-1.86E-03
1.00E+01	2.67E-06	1.29E-04	-2.06E-03
1.00E+01	6.08E-05	1.48E-04	-2.17E-03
1.00E+01	8.96E-05	1.39E-04	-2.24E-03
1.00E+01	9.44E-05	1.13E-04	-2.31E-03
1.01E+01	1.42E-04	1.26E-04	-2.28E-03
1.01E+01	2.10E-04	1.62E-04	-2.09E-03
1.01E+01	2.33E-04	1.64E-04	-1.82E-03
1.01E+01	2.32E-04	1.13E-04	-1.63E-03
1.01E+01	2.42E-04	6.98E-05	-1.50E-03
1.01E+01	2.43E-04	6.08E-05	-1.42E-03
1.01E+01	1.78E-04	3.30E-05	-1.47E-03

1.01E+01	6.24E-05	1.91E-07	-1.70E-03
1.01E+01	-1.47E-05	1.74E-05	-1.99E-03
1.01E+01	-5.74E-05	6.92E-05	-2.20E-03
1.01E+01	-1.17E-04	9.29E-05	-2.35E-03
1.01E+01	-1.76E-04	8.41E-05	-2.46E-03
1.01E+01	-1.94E-04	7.65E-05	-2.49E-03
1.01E+01	-1.86E-04	7.80E-05	-2.48E-03
1.01E+01	-2.06E-04	6.56E-05	-2.48E-03
1.01E+01	-2.31E-04	4.77E-05	-2.50E-03
1.01E+01	-2.04E-04	8.18E-05	-2.41E-03
1.01E+01	-1.39E-04	1.39E-04	-2.15E-03
1.01E+01	-7.44E-05	1.64E-04	-1.78E-03
1.01E+01	-1.13E-05	1.60E-04	-1.32E-03
1.02E+01	8.77E-05	1.56E-04	-7.22E-04
1.02E+01	2.05E-04	1.48E-04	-1.26E-05
1.02E+01	2.45E-04	8.05E-05	6.63E-04
1.02E+01	2.24E-04	-3.05E-06	1.26E-03
1.02E+01	1.96E-04	-4.52E-05	1.78E-03
1.02E+01	1.33E-04	-6.71E-05	2.20E-03
1.02E+01	2.84E-05	-8.28E-05	2.46E-03
1.02E+01	-8.26E-05	-9.90E-05	2.57E-03
1.02E+01	-1.58E-04	-1.05E-04	2.57E-03
1.02E+01	-2.09E-04	-1.05E-04	2.44E-03
1.02E+01	-2.78E-04	-1.33E-04	2.12E-03
1.02E+01	-3.41E-04	-1.77E-04	1.68E-03
1.02E+01	-3.66E-04	-1.94E-04	1.21E-03
1.02E+01	-3.90E-04	-1.86E-04	7.44E-04
1.02E+01	-4.22E-04	-1.76E-04	2.66E-04
1.02E+01	-4.21E-04	-1.30E-04	-1.38E-04
1.02E+01	-3.72E-04	-4.46E-05	-3.70E-04
1.02E+01	-2.85E-04	5.07E-05	-4.44E-04
1.02E+01	-1.79E-04	1.13E-04	-4.43E-04
1.02E+01	-4.08E-05	1.42E-04	-3.71E-04
1.03E+01	1.38E-04	1.82E-04	-2.24E-04
1.03E+01	2.90E-04	1.97E-04	-1.45E-04
1.03E+01	3.70E-04	1.67E-04	-2.22E-04
1.03E+01	4.20E-04	1.47E-04	-3.32E-04
1.03E+01	4.82E-04	1.74E-04	-3.45E-04
1.03E+01	5.12E-04	1.92E-04	-2.35E-04
1.03E+01	4.98E-04	1.73E-04	-1.43E-05
1.03E+01	4.88E-04	1.36E-04	3.17E-04
1.03E+01	4.84E-04	6.47E-05	7.37E-04
1.03E+01	4.44E-04	-3.64E-05	1.13E-03
1.03E+01	3.33E-04	-1.70E-04	1.37E-03
1.03E+01	2.14E-04	-2.78E-04	1.44E-03
1.03E+01	1.35E-04	-3.19E-04	1.41E-03
1.03E+01	5.38E-05	-3.50E-04	1.27E-03

1.03E+01	-1.24E-05	-3.85E-04	1.04E-03
1.03E+01	-2.96E-05	-4.00E-04	8.44E-04
1.03E+01	1.28E-05	-3.86E-04	7.62E-04
1.03E+01	5.87E-05	-4.07E-04	7.34E-04
1.03E+01	6.45E-05	-4.65E-04	7.09E-04
1.03E+01	6.90E-05	-4.84E-04	7.33E-04
1.04E+01	7.74E-05	-4.46E-04	8.58E-04
1.04E+01	5.68E-05	-3.67E-04	1.01E-03
1.04E+01	4.96E-06	-2.82E-04	1.08E-03
1.04E+01	-2.37E-05	-1.56E-04	1.16E-03
1.04E+01	-2.57E-05	-5.91E-06	1.25E-03
1.04E+01	-4.16E-05	1.01E-04	1.27E-03
1.04E+01	-5.57E-05	1.63E-04	1.25E-03
1.04E+01	-5.32E-05	1.91E-04	1.23E-03
1.04E+01	-3.38E-05	2.15E-04	1.25E-03
1.04E+01	-4.54E-05	2.00E-04	1.25E-03
1.04E+01	-1.11E-04	1.46E-04	1.16E-03
1.04E+01	-1.60E-04	1.16E-04	1.08E-03
1.04E+01	-1.93E-04	1.01E-04	1.09E-03
1.04E+01	-2.55E-04	7.53E-05	1.17E-03
1.04E+01	-3.14E-04	4.20E-05	1.31E-03
1.04E+01	-3.07E-04	2.94E-05	1.52E-03
1.04E+01	-2.46E-04	2.12E-05	1.74E-03
1.04E+01	-2.01E-04	-2.88E-05	1.89E-03
1.04E+01	-1.78E-04	-1.06E-04	1.96E-03
1.04E+01	-1.38E-04	-1.59E-04	1.93E-03
1.05E+01	-9.96E-05	-1.63E-04	1.81E-03
1.05E+01	-9.80E-05	-1.57E-04	1.49E-03
1.05E+01	-1.05E-04	-1.48E-04	1.02E-03
1.05E+01	-6.81E-05	-1.01E-04	6.03E-04
1.05E+01	-5.72E-06	-4.27E-05	3.34E-04
1.05E+01	4.31E-05	-1.56E-05	2.18E-04
1.05E+01	8.68E-05	-2.38E-05	2.07E-04
1.05E+01	1.38E-04	-3.51E-05	2.71E-04
1.05E+01	1.71E-04	-5.26E-05	3.11E-04
1.05E+01	1.38E-04	-9.69E-05	1.57E-04
1.05E+01	4.60E-05	-1.31E-04	-2.04E-04
1.05E+01	-3.34E-05	-1.08E-04	-6.61E-04
1.05E+01	-8.98E-05	-4.16E-05	-1.12E-03
1.05E+01	-1.42E-04	2.00E-05	-1.48E-03
1.05E+01	-1.53E-04	6.43E-05	-1.63E-03
1.05E+01	-9.23E-05	9.73E-05	-1.47E-03
1.05E+01	3.62E-06	7.97E-05	-1.01E-03
1.05E+01	7.76E-05	-1.51E-05	-3.90E-04
1.05E+01	1.26E-04	-1.26E-04	2.61E-04
1.05E+01	1.74E-04	-1.87E-04	8.58E-04
1.06E+01	2.00E-04	-2.08E-04	1.30E-03

1.06E+01	1.66E-04	-2.13E-04	1.55E-03
1.06E+01	1.17E-04	-1.89E-04	1.66E-03
1.06E+01	1.09E-04	-1.33E-04	1.73E-03
1.06E+01	1.12E-04	-8.64E-05	1.75E-03
1.06E+01	7.57E-05	-9.94E-05	1.60E-03
1.06E+01	2.48E-06	-1.50E-04	1.26E-03
1.06E+01	-9.75E-05	-2.10E-04	7.96E-04
1.06E+01	-2.37E-04	-2.83E-04	2.10E-04
1.06E+01	-3.94E-04	-3.46E-04	-4.29E-04
1.06E+01	-5.20E-04	-3.62E-04	-9.98E-04
1.06E+01	-5.77E-04	-3.09E-04	-1.43E-03
1.06E+01	-5.72E-04	-2.38E-04	-1.82E-03
1.06E+01	-5.40E-04	-1.98E-04	-2.26E-03
1.06E+01	-4.63E-04	-1.45E-04	-2.73E-03
1.06E+01	-3.33E-04	-6.43E-05	-3.25E-03
1.06E+01	-1.99E-04	2.33E-05	-3.80E-03
1.06E+01	-1.21E-04	9.31E-05	-4.36E-03
1.06E+01	-6.50E-05	1.83E-04	-4.77E-03
1.06E+01	1.89E-05	3.18E-04	-4.87E-03
1.07E+01	6.20E-05	4.14E-04	-4.67E-03
1.07E+01	7.29E-05	4.65E-04	-4.14E-03
1.07E+01	1.16E-04	4.90E-04	-3.32E-03
1.07E+01	1.91E-04	4.77E-04	-2.28E-03
1.07E+01	2.64E-04	4.13E-04	-1.17E-03
1.07E+01	2.85E-04	2.75E-04	-1.46E-04
1.07E+01	2.78E-04	1.23E-04	8.28E-04
1.07E+01	2.62E-04	-2.98E-05	1.75E-03
1.07E+01	2.00E-04	-2.19E-04	2.55E-03
1.07E+01	1.14E-04	-4.16E-04	3.17E-03
1.07E+01	4.50E-05	-6.03E-04	3.60E-03
1.07E+01	-1.91E-06	-7.79E-04	3.82E-03
1.07E+01	-3.49E-05	-9.65E-04	3.76E-03
1.07E+01	-5.89E-05	-1.14E-03	3.49E-03
1.07E+01	-4.96E-05	-1.24E-03	3.15E-03
1.07E+01	1.14E-05	-1.26E-03	2.84E-03
1.07E+01	5.30E-05	-1.23E-03	2.57E-03
1.07E+01	5.30E-05	-1.21E-03	2.28E-03
1.07E+01	8.22E-05	-1.14E-03	2.06E-03
1.07E+01	1.30E-04	-1.00E-03	1.88E-03
1.08E+01	1.37E-04	-8.74E-04	1.63E-03
1.08E+01	1.19E-04	-7.40E-04	1.29E-03
1.08E+01	1.24E-04	-5.49E-04	8.94E-04
1.08E+01	1.30E-04	-3.12E-04	4.82E-04
1.08E+01	1.04E-04	-8.74E-05	-2.80E-05
1.08E+01	6.20E-05	8.70E-05	-6.09E-04
1.08E+01	4.02E-05	2.41E-04	-1.10E-03
1.08E+01	3.93E-05	3.91E-04	-1.45E-03

1.08E+01	1.83E-05	4.84E-04	-1.72E-03
1.08E+01	-2.40E-05	5.29E-04	-1.91E-03
1.08E+01	-5.25E-05	5.70E-04	-2.05E-03
1.08E+01	-7.40E-05	5.91E-04	-2.14E-03
1.08E+01	-1.31E-04	5.88E-04	-2.18E-03
1.08E+01	-1.95E-04	5.68E-04	-2.23E-03
1.08E+01	-1.94E-04	5.46E-04	-2.32E-03
1.08E+01	-1.59E-04	5.12E-04	-2.48E-03
1.08E+01	-1.32E-04	4.30E-04	-2.77E-03
1.08E+01	-8.72E-05	3.09E-04	-3.14E-03
1.08E+01	-5.34E-06	1.76E-04	-3.46E-03
1.08E+01	9.52E-05	4.14E-05	-3.65E-03
1.09E+01	1.62E-04	-1.26E-04	-3.71E-03
1.09E+01	2.00E-04	-2.96E-04	-3.68E-03
1.09E+01	2.59E-04	-4.03E-04	-3.59E-03
1.09E+01	3.07E-04	-4.72E-04	-3.49E-03
1.09E+01	3.22E-04	-5.40E-04	-3.39E-03
1.09E+01	3.42E-04	-5.90E-04	-3.18E-03
1.09E+01	3.89E-04	-6.02E-04	-2.81E-03
1.09E+01	4.34E-04	-6.03E-04	-2.41E-03
1.09E+01	4.19E-04	-6.56E-04	-2.14E-03
1.09E+01	3.50E-04	-7.49E-04	-1.99E-03
1.09E+01	2.80E-04	-8.12E-04	-1.95E-03
1.09E+01	2.16E-04	-8.47E-04	-2.04E-03
1.09E+01	1.57E-04	-8.59E-04	-2.22E-03
1.09E+01	1.35E-04	-8.26E-04	-2.34E-03
1.09E+01	1.80E-04	-7.39E-04	-2.18E-03
1.09E+01	2.37E-04	-6.54E-04	-1.74E-03
1.09E+01	2.64E-04	-6.39E-04	-1.05E-03
1.09E+01	2.70E-04	-6.56E-04	-1.25E-04
1.09E+01	2.42E-04	-6.70E-04	9.63E-04
1.09E+01	1.70E-04	-6.83E-04	2.01E-03
1.10E+01	3.38E-05	-6.98E-04	2.78E-03
1.10E+01	-1.23E-04	-6.68E-04	3.22E-03
1.10E+01	-2.41E-04	-5.69E-04	3.37E-03
1.10E+01	-3.53E-04	-4.77E-04	3.22E-03
1.10E+01	-4.61E-04	-4.22E-04	2.82E-03
1.10E+01	-5.06E-04	-3.78E-04	2.30E-03
1.10E+01	-4.87E-04	-3.22E-04	1.81E-03
1.10E+01	-4.69E-04	-2.81E-04	1.37E-03
1.10E+01	-4.86E-04	-2.68E-04	9.77E-04
1.10E+01	-5.19E-04	-1.99E-04	6.77E-04
1.10E+01	-5.43E-04	-5.07E-05	4.80E-04
1.10E+01	-5.61E-04	1.46E-04	3.42E-04
1.10E+01	-5.86E-04	3.71E-04	2.44E-04
1.10E+01	-5.66E-04	6.10E-04	3.43E-04
1.10E+01	-4.76E-04	8.62E-04	6.72E-04

1.10E+01	-3.92E-04	1.04E-03	1.05E-03
1.10E+01	-3.64E-04	1.11E-03	1.44E-03
1.10E+01	-3.61E-04	1.16E-03	1.83E-03
1.10E+01	-3.85E-04	1.23E-03	2.11E-03
1.10E+01	-4.75E-04	1.31E-03	2.24E-03
1.11E+01	-6.21E-04	1.43E-03	2.25E-03
1.11E+01	-7.46E-04	1.60E-03	2.31E-03
1.11E+01	-7.96E-04	1.82E-03	2.56E-03
1.11E+01	-8.32E-04	2.00E-03	2.89E-03
1.11E+01	-8.81E-04	2.10E-03	3.22E-03
1.11E+01	-9.14E-04	2.19E-03	3.47E-03
1.11E+01	-9.63E-04	2.27E-03	3.50E-03
1.11E+01	-1.07E-03	2.30E-03	3.13E-03
1.11E+01	-1.19E-03	2.35E-03	2.34E-03
1.11E+01	-1.24E-03	2.43E-03	1.35E-03
1.11E+01	-1.17E-03	2.54E-03	3.31E-04
1.11E+01	-9.93E-04	2.60E-03	-6.20E-04
1.11E+01	-6.86E-04	2.57E-03	-1.39E-03
1.11E+01	-2.31E-04	2.48E-03	-1.74E-03
1.11E+01	3.14E-04	2.30E-03	-1.55E-03
1.11E+01	8.46E-04	2.00E-03	-8.92E-04
1.11E+01	1.31E-03	1.64E-03	1.15E-04
1.11E+01	1.70E-03	1.30E-03	1.36E-03
1.11E+01	1.97E-03	1.03E-03	2.60E-03
1.11E+01	2.04E-03	7.60E-04	3.55E-03
1.12E+01	1.98E-03	5.12E-04	4.06E-03
1.12E+01	1.86E-03	3.09E-04	4.19E-03
1.12E+01	1.69E-03	1.01E-04	4.01E-03
1.12E+01	1.47E-03	-1.55E-04	3.50E-03
1.12E+01	1.22E-03	-4.56E-04	2.73E-03
1.12E+01	9.82E-04	-7.42E-04	1.82E-03
1.12E+01	7.02E-04	-1.02E-03	7.87E-04
1.12E+01	3.45E-04	-1.26E-03	-2.30E-04
1.12E+01	-9.54E-07	-1.39E-03	-1.04E-03
1.12E+01	-2.72E-04	-1.39E-03	-1.47E-03
1.12E+01	-4.41E-04	-1.27E-03	-1.44E-03
1.12E+01	-5.48E-04	-1.09E-03	-1.08E-03
1.12E+01	-5.89E-04	-9.37E-04	-6.05E-04
1.12E+01	-5.08E-04	-7.81E-04	-1.01E-04
1.12E+01	-3.53E-04	-6.39E-04	3.44E-04
1.12E+01	-1.87E-04	-5.55E-04	5.51E-04
1.12E+01	2.29E-06	-4.79E-04	5.08E-04
1.12E+01	2.20E-04	-3.63E-04	3.66E-04
1.12E+01	4.27E-04	-2.35E-04	2.44E-04
1.12E+01	5.70E-04	-1.66E-04	2.87E-04
1.13E+01	6.49E-04	-1.96E-04	5.90E-04
1.13E+01	7.11E-04	-2.52E-04	1.17E-03

1.13E+01	7.08E-04	-3.45E-04	1.86E-03
1.13E+01	5.91E-04	-5.10E-04	2.46E-03
1.13E+01	4.22E-04	-6.96E-04	2.86E-03
1.13E+01	1.99E-04	-8.96E-04	3.00E-03
1.13E+01	-8.41E-05	-1.08E-03	2.82E-03
1.13E+01	-4.09E-04	-1.28E-03	2.27E-03
1.13E+01	-7.28E-04	-1.50E-03	1.44E-03
1.13E+01	-9.56E-04	-1.68E-03	4.44E-04
1.13E+01	-1.10E-03	-1.87E-03	-6.69E-04
1.13E+01	-1.19E-03	-2.07E-03	-1.81E-03
1.13E+01	-1.17E-03	-2.23E-03	-2.82E-03
1.13E+01	-1.05E-03	-2.29E-03	-3.58E-03
1.13E+01	-8.86E-04	-2.24E-03	-4.07E-03
1.13E+01	-7.21E-04	-2.09E-03	-4.28E-03
1.13E+01	-5.32E-04	-1.85E-03	-4.08E-03
1.13E+01	-3.17E-04	-1.52E-03	-3.40E-03
1.13E+01	-1.09E-04	-1.20E-03	-2.38E-03
1.13E+01	9.63E-05	-9.61E-04	-1.28E-03
1.14E+01	3.34E-04	-7.80E-04	-2.00E-04
1.14E+01	6.20E-04	-6.40E-04	7.71E-04
1.14E+01	8.96E-04	-5.62E-04	1.47E-03
1.14E+01	1.12E-03	-5.42E-04	1.79E-03
1.14E+01	1.32E-03	-5.43E-04	1.80E-03
1.14E+01	1.50E-03	-5.65E-04	1.59E-03
1.14E+01	1.57E-03	-6.43E-04	1.15E-03
1.14E+01	1.54E-03	-8.17E-04	5.29E-04
1.14E+01	1.44E-03	-1.01E-03	-3.43E-05
1.14E+01	1.29E-03	-1.18E-03	-4.04E-04
1.14E+01	1.05E-03	-1.37E-03	-6.84E-04
1.14E+01	7.04E-04	-1.54E-03	-1.03E-03
1.14E+01	3.33E-04	-1.62E-03	-1.46E-03
1.14E+01	1.91E-06	-1.63E-03	-1.95E-03
1.14E+01	-3.19E-04	-1.62E-03	-2.46E-03
1.14E+01	-5.87E-04	-1.58E-03	-2.85E-03
1.14E+01	-7.10E-04	-1.49E-03	-3.14E-03
1.14E+01	-6.99E-04	-1.36E-03	-3.31E-03
1.14E+01	-6.35E-04	-1.24E-03	-3.46E-03
1.14E+01	-5.46E-04	-1.17E-03	-3.65E-03
1.15E+01	-3.92E-04	-1.05E-03	-3.78E-03
1.15E+01	-2.41E-04	-8.54E-04	-3.96E-03
1.15E+01	-1.62E-04	-6.76E-04	-4.28E-03
1.15E+01	-1.31E-04	-4.52E-04	-4.55E-03
1.15E+01	-1.25E-04	-1.58E-04	-4.54E-03
1.15E+01	-1.46E-04	1.49E-04	-4.03E-03
1.15E+01	-2.33E-04	3.90E-04	-3.05E-03
1.15E+01	-4.09E-04	5.05E-04	-1.78E-03
1.15E+01	-6.59E-04	5.33E-04	-5.23E-04

1.15E+01	-9.53E-04	5.32E-04	3.46E-04
1.15E+01	-1.27E-03	4.96E-04	6.36E-04
1.15E+01	-1.54E-03	4.90E-04	4.40E-04
1.15E+01	-1.59E-03	5.88E-04	2.42E-05
1.15E+01	-1.38E-03	7.59E-04	-3.73E-04
1.15E+01	-1.00E-03	9.33E-04	-5.87E-04
1.15E+01	-4.66E-04	1.03E-03	-5.29E-04
1.15E+01	1.46E-04	1.00E-03	-1.71E-04
1.15E+01	6.48E-04	8.25E-04	3.15E-04
1.15E+01	9.03E-04	5.60E-04	6.85E-04
1.15E+01	9.58E-04	3.79E-04	9.20E-04
1.16E+01	9.06E-04	3.57E-04	1.11E-03
1.16E+01	7.93E-04	4.78E-04	1.41E-03
1.16E+01	6.60E-04	6.66E-04	1.85E-03
1.16E+01	5.71E-04	7.61E-04	2.33E-03
1.16E+01	5.83E-04	6.96E-04	2.74E-03
1.16E+01	6.72E-04	4.70E-04	2.88E-03
1.16E+01	7.53E-04	1.10E-04	2.61E-03
1.16E+01	7.97E-04	-2.63E-04	2.00E-03
1.16E+01	8.20E-04	-4.99E-04	1.21E-03
1.16E+01	7.86E-04	-5.25E-04	4.53E-04
1.16E+01	6.79E-04	-3.50E-04	-1.06E-04
1.16E+01	5.54E-04	8.01E-06	-3.46E-04
1.16E+01	4.36E-04	5.06E-04	-2.28E-04
1.16E+01	3.26E-04	1.02E-03	3.05E-06
1.16E+01	1.97E-04	1.43E-03	3.43E-06
1.16E+01	7.23E-05	1.68E-03	-3.29E-04
1.16E+01	3.15E-05	1.87E-03	-8.78E-04
1.16E+01	4.98E-05	2.01E-03	-1.51E-03
1.16E+01	9.84E-05	2.05E-03	-2.18E-03
1.16E+01	1.96E-04	2.03E-03	-2.78E-03
1.17E+01	3.28E-04	1.94E-03	-3.29E-03
1.17E+01	5.09E-04	1.74E-03	-3.65E-03
1.17E+01	7.32E-04	1.45E-03	-3.79E-03
1.17E+01	9.87E-04	1.09E-03	-3.84E-03
1.17E+01	1.27E-03	7.23E-04	-3.98E-03
1.17E+01	1.48E-03	3.52E-04	-4.48E-03
1.17E+01	1.53E-03	-3.89E-05	-5.23E-03
1.17E+01	1.50E-03	-3.80E-04	-5.74E-03
1.17E+01	1.43E-03	-6.56E-04	-5.55E-03
1.17E+01	1.29E-03	-9.32E-04	-4.65E-03
1.17E+01	1.10E-03	-1.28E-03	-3.36E-03
1.17E+01	9.12E-04	-1.65E-03	-2.02E-03
1.17E+01	7.26E-04	-2.00E-03	-1.04E-03
1.17E+01	4.64E-04	-2.28E-03	-7.16E-04
1.17E+01	1.50E-04	-2.43E-03	-1.10E-03
1.17E+01	-1.30E-04	-2.37E-03	-2.04E-03

1.17E+01	-3.82E-04	-2.07E-03	-3.29E-03
1.17E+01	-6.03E-04	-1.61E-03	-4.71E-03
1.17E+01	-8.05E-04	-1.11E-03	-5.95E-03
1.17E+01	-9.75E-04	-6.48E-04	-6.49E-03
1.18E+01	-1.11E-03	-2.58E-04	-6.11E-03
1.18E+01	-1.31E-03	3.57E-05	-4.87E-03
1.18E+01	-1.57E-03	2.65E-04	-3.11E-03
1.18E+01	-1.85E-03	5.29E-04	-1.06E-03
1.18E+01	-2.10E-03	8.75E-04	1.18E-03
1.18E+01	-2.28E-03	1.24E-03	3.44E-03
1.18E+01	-2.33E-03	1.59E-03	5.78E-03
1.18E+01	-2.09E-03	1.94E-03	8.48E-03
1.18E+01	-1.55E-03	2.22E-03	1.17E-02
1.18E+01	-8.58E-04	2.30E-03	1.52E-02
1.18E+01	-1.90E-04	2.08E-03	1.86E-02
1.18E+01	2.53E-04	1.64E-03	2.15E-02
1.18E+01	2.86E-04	1.09E-03	2.32E-02
1.18E+01	-1.61E-04	5.22E-04	2.29E-02
1.18E+01	-1.02E-03	1.41E-04	2.06E-02
1.18E+01	-2.03E-03	1.15E-04	1.66E-02
1.18E+01	-3.02E-03	4.74E-04	1.16E-02
1.18E+01	-3.91E-03	1.08E-03	6.16E-03
1.18E+01	-4.61E-03	1.69E-03	9.65E-04
1.18E+01	-5.03E-03	2.15E-03	-3.41E-03
1.19E+01	-5.21E-03	2.41E-03	-6.74E-03
1.19E+01	-5.22E-03	2.48E-03	-9.25E-03
1.19E+01	-5.04E-03	2.51E-03	-1.14E-02
1.19E+01	-4.61E-03	2.70E-03	-1.33E-02
1.19E+01	-3.88E-03	3.15E-03	-1.50E-02
1.19E+01	-2.84E-03	3.79E-03	-1.63E-02
1.19E+01	-1.50E-03	4.50E-03	-1.71E-02
1.19E+01	5.19E-05	5.15E-03	-1.71E-02
1.19E+01	1.61E-03	5.52E-03	-1.61E-02
1.19E+01	2.92E-03	5.50E-03	-1.40E-02
1.19E+01	3.91E-03	5.09E-03	-1.12E-02
1.19E+01	4.54E-03	4.40E-03	-7.93E-03
1.19E+01	4.69E-03	3.74E-03	-4.72E-03
1.19E+01	4.33E-03	3.14E-03	-1.89E-03
1.19E+01	3.73E-03	2.67E-03	5.15E-04
1.19E+01	3.15E-03	2.33E-03	2.75E-03
1.19E+01	2.63E-03	1.87E-03	5.19E-03
1.19E+01	2.26E-03	1.32E-03	8.07E-03
1.19E+01	2.01E-03	4.89E-04	1.10E-02
1.19E+01	1.84E-03	-6.72E-04	1.37E-02
1.20E+01	1.66E-03	-2.02E-03	1.62E-02
1.20E+01	1.28E-03	-3.33E-03	1.82E-02
1.20E+01	8.43E-04	-4.27E-03	1.96E-02

1.20E+01	4.48E-04	-4.85E-03	1.99E-02
1.20E+01	-4.10E-05	-4.98E-03	1.87E-02
1.20E+01	-5.50E-04	-4.68E-03	1.54E-02
1.20E+01	-8.63E-04	-4.12E-03	1.08E-02
1.20E+01	-9.50E-04	-3.33E-03	6.24E-03
1.20E+01	-8.70E-04	-2.62E-03	2.50E-03
1.20E+01	-7.38E-04	-2.09E-03	-4.05E-04
1.20E+01	-6.92E-04	-1.70E-03	-2.69E-03
1.20E+01	-8.73E-04	-1.45E-03	-4.20E-03
1.20E+01	-1.36E-03	-1.27E-03	-4.90E-03
1.20E+01	-1.93E-03	-1.09E-03	-4.99E-03
1.20E+01	-2.38E-03	-7.75E-04	-4.36E-03
1.20E+01	-2.57E-03	-3.94E-04	-3.33E-03
1.20E+01	-2.34E-03	-1.47E-04	-2.25E-03
1.20E+01	-1.76E-03	-2.18E-04	-9.54E-04
1.20E+01	-9.75E-04	-6.05E-04	6.46E-04
1.20E+01	-1.49E-04	-1.34E-03	2.48E-03
1.21E+01	5.34E-04	-2.30E-03	4.36E-03
1.21E+01	9.49E-04	-3.22E-03	5.94E-03
1.21E+01	1.10E-03	-4.07E-03	7.24E-03
1.21E+01	1.10E-03	-4.62E-03	8.60E-03
1.21E+01	8.71E-04	-4.95E-03	9.97E-03
1.21E+01	5.38E-04	-5.30E-03	1.06E-02
1.21E+01	1.56E-04	-5.61E-03	9.81E-03
1.21E+01	-3.32E-04	-5.91E-03	7.51E-03
1.21E+01	-7.43E-04	-6.14E-03	3.62E-03
1.21E+01	-1.01E-03	-6.29E-03	-1.27E-03
1.21E+01	-1.16E-03	-6.32E-03	-6.06E-03
1.21E+01	-1.09E-03	-6.14E-03	-1.07E-02
1.21E+01	-8.16E-04	-5.91E-03	-1.53E-02
1.21E+01	-4.28E-04	-5.59E-03	-1.94E-02
1.21E+01	2.25E-04	-5.10E-03	-2.28E-02
1.21E+01	1.04E-03	-4.58E-03	-2.45E-02
1.21E+01	1.84E-03	-3.96E-03	-2.42E-02
1.21E+01	2.62E-03	-3.37E-03	-2.25E-02
1.21E+01	3.22E-03	-2.83E-03	-1.97E-02
1.21E+01	3.64E-03	-2.20E-03	-1.62E-02
1.22E+01	3.87E-03	-1.69E-03	-1.25E-02
1.22E+01	3.75E-03	-1.32E-03	-8.65E-03
1.22E+01	3.44E-03	-9.83E-04	-4.31E-03
1.22E+01	3.12E-03	-6.87E-04	3.81E-04
1.22E+01	2.74E-03	-4.63E-04	5.16E-03
1.22E+01	2.31E-03	-4.12E-04	9.59E-03
1.22E+01	1.77E-03	-4.95E-04	1.31E-02
1.22E+01	1.04E-03	-7.41E-04	1.51E-02
1.22E+01	1.52E-04	-1.10E-03	1.57E-02
1.22E+01	-7.43E-04	-1.21E-03	1.54E-02

1.22E+01	-1.40E-03	-9.61E-04	1.50E-02
1.22E+01	-1.78E-03	-4.11E-04	1.49E-02
1.22E+01	-1.99E-03	2.41E-04	1.54E-02
1.22E+01	-2.00E-03	6.99E-04	1.61E-02
1.22E+01	-1.84E-03	8.51E-04	1.67E-02
1.22E+01	-1.68E-03	7.57E-04	1.63E-02
1.22E+01	-1.59E-03	6.40E-04	1.40E-02
1.22E+01	-1.54E-03	6.42E-04	9.14E-03
1.22E+01	-1.51E-03	8.45E-04	2.08E-03
1.22E+01	-1.47E-03	1.29E-03	-6.06E-03
1.23E+01	-1.33E-03	1.85E-03	-1.40E-02
1.23E+01	-9.96E-04	2.47E-03	-2.04E-02
1.23E+01	-5.63E-04	3.07E-03	-2.42E-02
1.23E+01	-1.45E-04	3.56E-03	-2.51E-02
1.23E+01	1.35E-04	3.82E-03	-2.38E-02
1.23E+01	2.54E-04	3.87E-03	-2.12E-02
1.23E+01	2.44E-04	3.87E-03	-1.78E-02
1.23E+01	7.78E-05	3.87E-03	-1.36E-02
1.23E+01	-1.60E-04	4.03E-03	-9.05E-03
1.23E+01	-3.29E-04	4.38E-03	-4.57E-03
1.23E+01	-3.53E-04	4.83E-03	-3.94E-04
1.23E+01	-2.42E-04	5.13E-03	3.28E-03
1.23E+01	1.87E-05	4.91E-03	6.48E-03
1.23E+01	3.93E-04	4.12E-03	9.40E-03
1.23E+01	7.44E-04	2.93E-03	1.18E-02
1.23E+01	9.20E-04	1.57E-03	1.30E-02
1.23E+01	8.09E-04	1.83E-04	1.26E-02
1.23E+01	5.04E-04	-9.82E-04	1.05E-02
1.23E+01	1.13E-04	-1.65E-03	7.23E-03
1.23E+01	-2.79E-04	-1.83E-03	3.22E-03
1.24E+01	-5.04E-04	-1.73E-03	-1.24E-03
1.24E+01	-3.78E-04	-1.50E-03	-5.74E-03
1.24E+01	1.97E-04	-1.29E-03	-9.76E-03
1.24E+01	1.07E-03	-1.25E-03	-1.31E-02
1.24E+01	2.09E-03	-1.36E-03	-1.57E-02
1.24E+01	3.13E-03	-1.57E-03	-1.80E-02
1.24E+01	4.05E-03	-1.63E-03	-1.98E-02
1.24E+01	4.79E-03	-1.25E-03	-2.10E-02
1.24E+01	5.30E-03	-4.92E-04	-2.11E-02
1.24E+01	5.76E-03	6.17E-04	-1.97E-02
1.24E+01	6.17E-03	1.85E-03	-1.66E-02
1.24E+01	6.31E-03	2.80E-03	-1.19E-02
1.24E+01	6.07E-03	3.33E-03	-6.22E-03
1.24E+01	5.39E-03	3.43E-03	4.32E-04
1.24E+01	4.20E-03	3.26E-03	7.60E-03
1.24E+01	2.51E-03	2.98E-03	1.47E-02
1.24E+01	3.83E-04	2.66E-03	2.08E-02

1.24E+01	-1.88E-03	2.40E-03	2.51E-02
1.24E+01	-3.98E-03	2.10E-03	2.66E-02
1.24E+01	-5.78E-03	1.83E-03	2.49E-02
1.25E+01	-7.15E-03	1.77E-03	2.05E-02
1.25E+01	-7.95E-03	1.77E-03	1.40E-02
1.25E+01	-8.11E-03	1.89E-03	6.66E-03
1.25E+01	-7.81E-03	2.03E-03	-1.38E-04
1.25E+01	-7.23E-03	2.09E-03	-6.46E-03
1.25E+01	-6.50E-03	2.07E-03	-1.20E-02
1.25E+01	-5.74E-03	1.95E-03	-1.59E-02
1.25E+01	-4.92E-03	1.86E-03	-1.74E-02
1.25E+01	-4.13E-03	1.88E-03	-1.63E-02
1.25E+01	-3.23E-03	2.18E-03	-1.33E-02
1.25E+01	-2.13E-03	2.60E-03	-9.63E-03
1.25E+01	-9.26E-04	2.86E-03	-5.94E-03
1.25E+01	5.14E-04	2.88E-03	-2.05E-03
1.25E+01	2.10E-03	2.60E-03	2.77E-03
1.25E+01	3.67E-03	2.04E-03	8.09E-03
1.25E+01	5.08E-03	1.23E-03	1.33E-02
1.25E+01	6.07E-03	3.71E-04	1.77E-02
1.25E+01	6.39E-03	-5.47E-04	2.09E-02
1.25E+01	5.98E-03	-1.45E-03	2.26E-02
1.25E+01	4.86E-03	-2.31E-03	2.22E-02
1.26E+01	3.06E-03	-2.86E-03	2.01E-02
1.26E+01	1.14E-03	-2.73E-03	1.70E-02
1.26E+01	-7.04E-04	-2.22E-03	1.31E-02
1.26E+01	-2.55E-03	-1.22E-03	9.20E-03
1.26E+01	-4.36E-03	-5.89E-05	4.44E-03
1.26E+01	-6.07E-03	5.51E-04	-1.72E-03
1.26E+01	-7.52E-03	8.44E-04	-8.28E-03
1.26E+01	-8.55E-03	9.24E-04	-1.48E-02
1.26E+01	-8.63E-03	1.19E-03	-1.97E-02
1.26E+01	-7.81E-03	1.88E-03	-2.21E-02
1.26E+01	-6.40E-03	2.55E-03	-2.25E-02
1.26E+01	-4.40E-03	3.15E-03	-2.08E-02
1.26E+01	-2.12E-03	3.39E-03	-1.61E-02
1.26E+01	3.44E-04	3.21E-03	-8.70E-03
1.26E+01	2.72E-03	2.70E-03	4.01E-04
1.26E+01	4.40E-03	1.90E-03	9.21E-03
1.26E+01	5.36E-03	1.25E-03	1.56E-02
1.26E+01	5.72E-03	7.40E-04	1.83E-02
1.26E+01	5.39E-03	4.31E-04	1.76E-02
1.26E+01	4.47E-03	4.55E-04	1.40E-02
1.27E+01	3.27E-03	6.76E-04	8.18E-03
1.27E+01	1.92E-03	1.13E-03	8.73E-04
1.27E+01	2.52E-04	1.44E-03	-6.93E-03
1.27E+01	-1.70E-03	1.35E-03	-1.38E-02

1.27E+01	-3.71E-03	1.01E-03	-1.84E-02
1.27E+01	-5.68E-03	3.87E-04	-1.99E-02
1.27E+01	-7.49E-03	-3.11E-04	-1.82E-02
1.27E+01	-9.01E-03	-6.43E-04	-1.46E-02
1.27E+01	-9.98E-03	-5.03E-04	-1.09E-02
1.27E+01	-1.03E-02	9.48E-05	-8.39E-03
1.27E+01	-1.00E-02	1.21E-03	-7.51E-03
1.27E+01	-8.88E-03	2.59E-03	-7.68E-03
1.27E+01	-6.82E-03	4.09E-03	-8.21E-03
1.27E+01	-4.23E-03	5.50E-03	-8.32E-03
1.27E+01	-1.36E-03	6.48E-03	-7.30E-03
1.27E+01	1.47E-03	7.03E-03	-5.43E-03
1.27E+01	3.61E-03	7.01E-03	-3.32E-03
1.27E+01	4.78E-03	6.59E-03	-1.52E-03
1.27E+01	5.05E-03	6.22E-03	9.82E-05
1.27E+01	4.85E-03	5.85E-03	1.55E-03
1.28E+01	4.62E-03	5.58E-03	2.73E-03
1.28E+01	4.47E-03	5.38E-03	3.34E-03
1.28E+01	4.47E-03	4.58E-03	3.00E-03
1.28E+01	4.62E-03	3.04E-03	1.49E-03
1.28E+01	4.87E-03	8.52E-04	-2.06E-03
1.28E+01	4.89E-03	-1.97E-03	-7.43E-03
1.28E+01	4.86E-03	-4.96E-03	-1.40E-02
1.28E+01	4.97E-03	-7.78E-03	-2.06E-02
1.28E+01	4.91E-03	-1.00E-02	-2.52E-02
1.28E+01	5.06E-03	-1.12E-02	-2.69E-02
1.28E+01	5.28E-03	-1.17E-02	-2.50E-02
1.28E+01	5.31E-03	-1.16E-02	-1.94E-02
1.28E+01	5.31E-03	-1.12E-02	-1.10E-02
1.28E+01	5.06E-03	-1.08E-02	-1.11E-03
1.28E+01	4.63E-03	-1.01E-02	8.35E-03
1.28E+01	4.05E-03	-9.22E-03	1.61E-02
1.28E+01	3.15E-03	-8.09E-03	2.12E-02
1.28E+01	2.16E-03	-6.60E-03	2.44E-02
1.28E+01	1.23E-03	-4.83E-03	2.74E-02
1.28E+01	2.45E-04	-3.02E-03	3.09E-02
1.29E+01	-7.33E-04	-1.59E-03	3.46E-02
1.29E+01	-1.54E-03	-9.20E-04	3.80E-02
1.29E+01	-2.36E-03	-7.45E-04	4.06E-02
1.29E+01	-3.21E-03	-9.31E-04	4.19E-02
1.29E+01	-3.83E-03	-1.41E-03	4.17E-02
1.29E+01	-4.15E-03	-1.86E-03	3.99E-02
1.29E+01	-4.27E-03	-2.17E-03	3.59E-02
1.29E+01	-4.13E-03	-2.29E-03	3.02E-02
1.29E+01	-3.89E-03	-2.25E-03	2.33E-02
1.29E+01	-3.67E-03	-2.27E-03	1.58E-02
1.29E+01	-3.40E-03	-2.56E-03	7.80E-03

1.29E+01	-3.20E-03	-3.04E-03	-2.28E-04
1.29E+01	-3.09E-03	-3.37E-03	-8.50E-03
1.29E+01	-2.99E-03	-3.50E-03	-1.75E-02
1.29E+01	-2.84E-03	-3.30E-03	-2.59E-02
1.29E+01	-2.32E-03	-2.49E-03	-3.13E-02
1.29E+01	-1.28E-03	-1.22E-03	-3.22E-02
1.29E+01	-1.79E-04	1.72E-04	-2.89E-02
1.29E+01	6.34E-04	1.20E-03	-2.34E-02
1.29E+01	1.14E-03	1.33E-03	-1.89E-02
1.30E+01	1.38E-03	7.15E-04	-1.66E-02
1.30E+01	1.55E-03	-1.29E-04	-1.67E-02
1.30E+01	1.87E-03	-7.74E-04	-1.86E-02
1.30E+01	2.54E-03	-7.85E-04	-2.04E-02
1.30E+01	3.66E-03	-2.61E-04	-2.03E-02
1.30E+01	4.94E-03	2.68E-04	-1.68E-02
1.30E+01	6.05E-03	2.69E-05	-1.06E-02
1.30E+01	6.93E-03	-1.20E-03	-2.54E-03
1.30E+01	7.50E-03	-2.93E-03	6.25E-03
1.30E+01	7.84E-03	-4.62E-03	1.45E-02
1.30E+01	8.31E-03	-5.66E-03	2.11E-02
1.30E+01	8.97E-03	-5.71E-03	2.56E-02
1.30E+01	9.65E-03	-4.91E-03	2.80E-02
1.30E+01	1.01E-02	-3.85E-03	2.87E-02
1.30E+01	1.01E-02	-2.94E-03	2.82E-02
1.30E+01	9.46E-03	-2.40E-03	2.64E-02
1.30E+01	8.09E-03	-2.49E-03	2.26E-02
1.30E+01	5.89E-03	-2.73E-03	1.63E-02
1.30E+01	2.91E-03	-2.74E-03	7.25E-03
1.30E+01	-4.29E-04	-2.27E-03	-4.07E-03
1.31E+01	-3.70E-03	-1.12E-03	-1.53E-02
1.31E+01	-6.50E-03	4.98E-04	-2.38E-02
1.31E+01	-8.48E-03	2.26E-03	-2.78E-02
1.31E+01	-9.79E-03	3.78E-03	-2.62E-02
1.31E+01	-1.05E-02	4.61E-03	-2.05E-02
1.31E+01	-1.06E-02	4.59E-03	-1.29E-02
1.31E+01	-1.01E-02	3.86E-03	-5.76E-03
1.31E+01	-9.24E-03	2.78E-03	-1.31E-03
1.31E+01	-8.16E-03	1.93E-03	1.85E-04
1.31E+01	-6.82E-03	1.95E-03	-4.31E-04
1.31E+01	-5.01E-03	3.15E-03	-1.89E-03
1.31E+01	-2.91E-03	5.30E-03	-2.40E-03
1.31E+01	-8.00E-04	7.54E-03	-1.05E-03
1.31E+01	7.84E-04	9.22E-03	1.87E-03
1.31E+01	1.34E-03	9.93E-03	4.70E-03
1.31E+01	9.73E-04	9.62E-03	6.15E-03
1.31E+01	-1.64E-04	8.89E-03	6.34E-03
1.31E+01	-1.85E-03	8.13E-03	5.08E-03

1.31E+01	-3.59E-03	7.51E-03	2.20E-03
1.31E+01	-5.11E-03	7.30E-03	-1.69E-03
1.32E+01	-5.88E-03	7.48E-03	-5.77E-03
1.32E+01	-5.46E-03	7.59E-03	-9.51E-03
1.32E+01	-3.93E-03	7.03E-03	-1.24E-02
1.32E+01	-1.28E-03	5.52E-03	-1.43E-02
1.32E+01	2.07E-03	3.11E-03	-1.59E-02
1.32E+01	5.48E-03	1.10E-04	-1.76E-02
1.32E+01	8.51E-03	-2.98E-03	-1.88E-02
1.32E+01	1.07E-02	-5.49E-03	-1.85E-02
1.32E+01	1.21E-02	-6.69E-03	-1.60E-02
1.32E+01	1.28E-02	-6.68E-03	-1.10E-02
1.32E+01	1.28E-02	-6.02E-03	-3.78E-03
1.32E+01	1.22E-02	-5.03E-03	3.67E-03
1.32E+01	1.07E-02	-4.10E-03	8.81E-03
1.32E+01	8.17E-03	-3.33E-03	1.13E-02
1.32E+01	5.45E-03	-2.55E-03	1.13E-02
1.32E+01	2.93E-03	-1.58E-03	1.00E-02
1.32E+01	6.41E-04	-3.40E-04	9.80E-03
1.32E+01	-1.58E-03	1.13E-03	1.09E-02
1.32E+01	-3.77E-03	2.45E-03	1.24E-02
1.32E+01	-5.69E-03	3.41E-03	1.33E-02
1.33E+01	-7.24E-03	3.88E-03	1.26E-02
1.33E+01	-8.26E-03	3.72E-03	1.04E-02
1.33E+01	-8.41E-03	3.44E-03	7.68E-03
1.33E+01	-7.39E-03	3.22E-03	5.46E-03
1.33E+01	-5.45E-03	3.08E-03	4.14E-03
1.33E+01	-3.36E-03	2.84E-03	3.56E-03
1.33E+01	-1.50E-03	2.30E-03	4.41E-03
1.33E+01	-2.00E-04	1.78E-03	6.62E-03
1.33E+01	2.08E-04	1.05E-03	8.33E-03
1.33E+01	1.44E-04	3.38E-04	8.14E-03
1.33E+01	-2.45E-04	2.04E-04	5.98E-03
1.33E+01	-7.09E-04	6.19E-04	2.18E-03
1.33E+01	-8.76E-04	1.58E-03	-2.39E-03
1.33E+01	-9.79E-04	2.94E-03	-5.47E-03
1.33E+01	-1.09E-03	4.19E-03	-5.21E-03
1.33E+01	-1.37E-03	4.84E-03	-1.86E-03
1.33E+01	-2.10E-03	4.91E-03	2.79E-03
1.33E+01	-3.50E-03	4.69E-03	6.64E-03
1.33E+01	-5.57E-03	4.65E-03	8.80E-03
1.33E+01	-7.89E-03	5.14E-03	9.01E-03
1.34E+01	-1.00E-02	6.39E-03	7.61E-03
1.34E+01	-1.15E-02	8.58E-03	5.01E-03
1.34E+01	-1.23E-02	1.12E-02	1.42E-03
1.34E+01	-1.25E-02	1.35E-02	-2.31E-03
1.34E+01	-1.21E-02	1.50E-02	-5.49E-03

1.34E+01	-1.12E-02	1.52E-02	-7.45E-03
1.34E+01	-9.79E-03	1.43E-02	-8.24E-03
1.34E+01	-7.82E-03	1.25E-02	-8.90E-03
1.34E+01	-5.56E-03	1.07E-02	-9.55E-03
1.34E+01	-3.00E-03	9.35E-03	-9.33E-03
1.34E+01	-1.45E-05	8.56E-03	-6.26E-03
1.34E+01	3.15E-03	8.09E-03	1.14E-03
1.34E+01	6.02E-03	7.36E-03	1.14E-02
1.34E+01	8.30E-03	6.04E-03	2.23E-02
1.34E+01	9.89E-03	3.81E-03	3.18E-02
1.34E+01	1.05E-02	3.89E-04	3.78E-02
1.34E+01	9.90E-03	-3.73E-03	3.92E-02
1.34E+01	8.44E-03	-7.73E-03	3.58E-02
1.34E+01	6.64E-03	-1.09E-02	2.78E-02
1.34E+01	4.91E-03	-1.28E-02	1.76E-02
1.35E+01	3.49E-03	-1.32E-02	8.01E-03
1.35E+01	2.53E-03	-1.26E-02	8.90E-04
1.35E+01	2.00E-03	-1.18E-02	-3.43E-03
1.35E+01	1.56E-03	-1.10E-02	-5.60E-03
1.35E+01	7.06E-04	-1.05E-02	-6.68E-03
1.35E+01	-6.84E-04	-9.95E-03	-7.71E-03
1.35E+01	-2.19E-03	-8.74E-03	-9.92E-03
1.35E+01	-3.29E-03	-6.68E-03	-1.39E-02
1.35E+01	-3.85E-03	-4.11E-03	-1.88E-02
1.35E+01	-3.69E-03	-1.59E-03	-2.33E-02
1.35E+01	-2.60E-03	7.27E-04	-2.62E-02
1.35E+01	-8.51E-04	2.58E-03	-2.71E-02
1.35E+01	1.09E-03	3.25E-03	-2.60E-02
1.35E+01	2.80E-03	2.54E-03	-2.36E-02
1.35E+01	3.90E-03	6.22E-04	-2.10E-02
1.35E+01	4.11E-03	-2.36E-03	-1.87E-02
1.35E+01	3.29E-03	-5.81E-03	-1.54E-02
1.35E+01	1.59E-03	-8.80E-03	-1.05E-02
1.35E+01	-6.55E-04	-1.07E-02	-5.23E-03
1.35E+01	-3.10E-03	-1.16E-02	-2.75E-04
1.36E+01	-5.18E-03	-1.21E-02	3.79E-03
1.36E+01	-6.48E-03	-1.25E-02	5.75E-03
1.36E+01	-7.03E-03	-1.35E-02	5.70E-03
1.36E+01	-6.74E-03	-1.46E-02	4.85E-03
1.36E+01	-5.74E-03	-1.56E-02	3.69E-03
1.36E+01	-4.41E-03	-1.62E-02	2.62E-03
1.36E+01	-2.98E-03	-1.59E-02	2.45E-03
1.36E+01	-1.83E-03	-1.44E-02	3.83E-03
1.36E+01	-1.12E-03	-1.18E-02	7.02E-03
1.36E+01	-5.89E-04	-8.04E-03	1.17E-02
1.36E+01	1.72E-04	-3.59E-03	1.66E-02
1.36E+01	1.24E-03	1.15E-03	2.00E-02

1.36E+01	2.36E-03	5.63E-03	2.04E-02
1.36E+01	3.47E-03	9.38E-03	1.76E-02
1.36E+01	4.44E-03	1.21E-02	1.28E-02
1.36E+01	5.04E-03	1.35E-02	6.95E-03
1.36E+01	5.13E-03	1.39E-02	9.43E-04
1.36E+01	4.67E-03	1.35E-02	-4.44E-03
1.36E+01	3.80E-03	1.26E-02	-9.24E-03
1.36E+01	2.71E-03	1.15E-02	-1.29E-02
1.37E+01	1.64E-03	1.05E-02	-1.43E-02
1.37E+01	7.32E-04	9.58E-03	-1.34E-02
1.37E+01	1.41E-04	8.84E-03	-1.05E-02
1.37E+01	5.55E-05	8.16E-03	-5.97E-03
1.37E+01	3.50E-04	7.36E-03	-3.87E-04
1.37E+01	9.08E-04	6.35E-03	5.29E-03
1.37E+01	1.55E-03	5.10E-03	1.09E-02
1.37E+01	2.17E-03	3.60E-03	1.56E-02
1.37E+01	2.77E-03	2.04E-03	1.85E-02
1.37E+01	3.56E-03	8.75E-04	1.91E-02
1.37E+01	4.68E-03	4.18E-04	1.76E-02
1.37E+01	5.92E-03	5.11E-04	1.48E-02
1.37E+01	7.06E-03	8.14E-04	1.10E-02
1.37E+01	7.81E-03	1.15E-03	6.85E-03
1.37E+01	7.91E-03	1.47E-03	2.96E-03
1.37E+01	7.30E-03	1.85E-03	-6.03E-04
1.37E+01	6.07E-03	2.42E-03	-4.30E-03
1.37E+01	4.52E-03	3.27E-03	-7.83E-03
1.37E+01	2.77E-03	4.35E-03	-1.04E-02
1.37E+01	1.14E-03	5.51E-03	-1.17E-02
1.38E+01	-1.11E-04	6.59E-03	-1.19E-02
1.38E+01	-8.90E-04	7.66E-03	-1.14E-02
1.38E+01	-9.85E-04	8.89E-03	-1.14E-02
1.38E+01	-6.80E-04	1.00E-02	-1.30E-02
1.38E+01	-2.14E-04	1.09E-02	-1.61E-02
1.38E+01	4.98E-04	1.17E-02	-2.03E-02
1.38E+01	1.25E-03	1.25E-02	-2.42E-02
1.38E+01	1.84E-03	1.32E-02	-2.62E-02
1.38E+01	2.15E-03	1.40E-02	-2.51E-02
1.38E+01	2.11E-03	1.44E-02	-2.12E-02
1.38E+01	1.51E-03	1.40E-02	-1.57E-02
1.38E+01	3.48E-04	1.27E-02	-9.26E-03
1.38E+01	-8.74E-04	1.05E-02	-2.71E-03
1.38E+01	-1.63E-03	7.97E-03	3.09E-03
1.38E+01	-1.70E-03	5.38E-03	7.15E-03
1.38E+01	-1.12E-03	2.92E-03	8.09E-03
1.38E+01	-5.40E-05	3.38E-04	5.66E-03
1.38E+01	1.38E-03	-2.46E-03	9.26E-04
1.38E+01	3.00E-03	-5.50E-03	-4.56E-03

1.38E+01	4.45E-03	-8.95E-03	-8.51E-03
1.39E+01	5.59E-03	-1.25E-02	-9.58E-03
1.39E+01	6.33E-03	-1.59E-02	-7.98E-03
1.39E+01	6.43E-03	-1.89E-02	-4.52E-03
1.39E+01	5.92E-03	-2.12E-02	-7.13E-04
1.39E+01	4.80E-03	-2.24E-02	2.76E-03
1.39E+01	3.13E-03	-2.24E-02	5.48E-03
1.39E+01	1.28E-03	-2.16E-02	6.72E-03
1.39E+01	-4.18E-04	-2.02E-02	7.08E-03
1.39E+01	-1.63E-03	-1.83E-02	7.08E-03
1.39E+01	-2.14E-03	-1.61E-02	6.89E-03
1.39E+01	-1.93E-03	-1.40E-02	6.67E-03
1.39E+01	-1.26E-03	-1.22E-02	6.24E-03
1.39E+01	-4.01E-04	-1.09E-02	5.36E-03
1.39E+01	6.20E-04	-9.87E-03	3.73E-03
1.39E+01	1.75E-03	-8.56E-03	1.51E-03
1.39E+01	2.89E-03	-6.62E-03	-4.37E-04
1.39E+01	3.93E-03	-4.00E-03	-1.34E-03
1.39E+01	4.50E-03	-8.60E-04	-1.13E-03
1.39E+01	4.35E-03	2.43E-03	-6.76E-04
1.39E+01	3.41E-03	5.52E-03	-5.51E-04
1.40E+01	1.80E-03	8.37E-03	-3.93E-04
1.40E+01	-1.65E-04	1.09E-02	-1.09E-04
1.40E+01	-2.27E-03	1.28E-02	-3.06E-04
1.40E+01	-4.50E-03	1.41E-02	-1.91E-03
1.40E+01	-6.65E-03	1.46E-02	-5.53E-03
1.40E+01	-8.49E-03	1.42E-02	-1.04E-02
1.40E+01	-9.90E-03	1.30E-02	-1.50E-02
1.40E+01	-1.07E-02	1.12E-02	-1.74E-02
1.40E+01	-1.08E-02	9.47E-03	-1.65E-02
1.40E+01	-9.99E-03	7.98E-03	-1.28E-02
1.40E+01	-8.31E-03	6.67E-03	-8.02E-03
1.40E+01	-6.12E-03	5.43E-03	-3.96E-03
1.40E+01	-3.76E-03	4.53E-03	-1.81E-03
1.40E+01	-1.35E-03	4.33E-03	-1.57E-03
1.40E+01	7.65E-04	4.99E-03	-2.47E-03
1.40E+01	2.15E-03	6.49E-03	-3.86E-03
1.40E+01	2.73E-03	8.65E-03	-5.30E-03
1.40E+01	2.69E-03	1.11E-02	-6.09E-03
1.40E+01	2.26E-03	1.37E-02	-5.55E-03
1.40E+01	1.63E-03	1.60E-02	-3.31E-03
1.41E+01	1.04E-03	1.78E-02	1.86E-04
1.41E+01	7.71E-04	1.93E-02	3.50E-03
1.41E+01	9.48E-04	2.06E-02	5.62E-03
1.41E+01	1.26E-03	2.15E-02	6.31E-03
1.41E+01	1.43E-03	2.17E-02	5.51E-03
1.41E+01	1.50E-03	2.10E-02	4.14E-03

1.41E+01	1.22E-03	1.94E-02	2.81E-03
1.41E+01	4.63E-04	1.70E-02	1.22E-03
1.41E+01	-9.34E-04	1.39E-02	-2.16E-04
1.41E+01	-3.15E-03	1.04E-02	-1.55E-03
1.41E+01	-5.75E-03	7.09E-03	-3.36E-03
1.41E+01	-8.47E-03	3.98E-03	-5.28E-03
1.41E+01	-1.10E-02	1.13E-03	-6.44E-03
1.41E+01	-1.28E-02	-1.40E-03	-5.77E-03
1.41E+01	-1.37E-02	-3.53E-03	-3.53E-03
1.41E+01	-1.37E-02	-5.18E-03	-9.94E-04
1.41E+01	-1.26E-02	-6.15E-03	1.48E-03
1.41E+01	-1.07E-02	-6.77E-03	3.26E-03
1.41E+01	-8.40E-03	-7.58E-03	3.84E-03
1.41E+01	-5.95E-03	-8.75E-03	3.40E-03
1.42E+01	-3.67E-03	-1.05E-02	2.32E-03
1.42E+01	-1.79E-03	-1.23E-02	1.36E-03
1.42E+01	-3.84E-04	-1.37E-02	1.14E-03
1.42E+01	8.25E-04	-1.44E-02	1.97E-03
1.42E+01	2.03E-03	-1.37E-02	3.89E-03
1.42E+01	3.30E-03	-1.20E-02	6.28E-03
1.42E+01	4.55E-03	-9.50E-03	8.31E-03
1.42E+01	5.47E-03	-6.86E-03	9.20E-03
1.42E+01	6.06E-03	-4.61E-03	8.48E-03
1.42E+01	6.19E-03	-3.06E-03	6.40E-03
1.42E+01	5.76E-03	-2.27E-03	3.92E-03
1.42E+01	5.02E-03	-1.87E-03	1.93E-03
1.42E+01	4.29E-03	-1.85E-03	5.58E-04
1.42E+01	3.82E-03	-2.23E-03	8.35E-05
1.42E+01	3.57E-03	-2.71E-03	1.28E-04
1.42E+01	3.46E-03	-3.43E-03	-5.30E-04
1.42E+01	3.73E-03	-4.25E-03	-2.17E-03
1.42E+01	4.56E-03	-4.84E-03	-4.69E-03
1.42E+01	5.89E-03	-5.26E-03	-7.09E-03
1.42E+01	7.80E-03	-5.51E-03	-7.49E-03
1.43E+01	1.01E-02	-5.66E-03	-4.82E-03
1.43E+01	1.21E-02	-6.01E-03	7.51E-04
1.43E+01	1.34E-02	-6.85E-03	6.82E-03
1.43E+01	1.35E-02	-8.34E-03	1.05E-02
1.43E+01	1.24E-02	-1.03E-02	1.05E-02
1.43E+01	1.01E-02	-1.25E-02	6.45E-03
1.43E+01	6.64E-03	-1.45E-02	4.51E-04
1.43E+01	2.61E-03	-1.58E-02	-4.34E-03
1.43E+01	-1.40E-03	-1.62E-02	-5.93E-03
1.43E+01	-5.12E-03	-1.60E-02	-3.58E-03
1.43E+01	-8.08E-03	-1.54E-02	1.71E-03
1.43E+01	-1.01E-02	-1.49E-02	8.49E-03
1.43E+01	-1.10E-02	-1.48E-02	1.58E-02

1.43E+01	-1.07E-02	-1.46E-02	2.27E-02
1.43E+01	-9.29E-03	-1.48E-02	2.79E-02
1.43E+01	-6.90E-03	-1.49E-02	3.05E-02
1.43E+01	-3.84E-03	-1.47E-02	3.07E-02
1.43E+01	-4.25E-04	-1.39E-02	2.95E-02
1.43E+01	3.15E-03	-1.27E-02	2.84E-02
1.43E+01	6.50E-03	-1.13E-02	2.76E-02
1.44E+01	9.26E-03	-9.82E-03	2.69E-02
1.44E+01	1.11E-02	-8.21E-03	2.53E-02
1.44E+01	1.19E-02	-6.54E-03	2.15E-02
1.44E+01	1.18E-02	-4.53E-03	1.58E-02
1.44E+01	1.09E-02	-2.16E-03	9.58E-03
1.44E+01	9.47E-03	3.14E-04	3.98E-03
1.44E+01	7.66E-03	2.65E-03	1.86E-04
1.44E+01	5.61E-03	4.37E-03	-1.09E-03
1.44E+01	3.34E-03	5.31E-03	-1.98E-04
1.44E+01	9.20E-04	5.59E-03	1.74E-03
1.44E+01	-1.50E-03	5.36E-03	3.59E-03
1.44E+01	-3.68E-03	4.82E-03	4.36E-03
1.44E+01	-5.43E-03	4.08E-03	3.20E-03
1.44E+01	-6.77E-03	3.28E-03	-2.53E-04
1.44E+01	-7.82E-03	2.48E-03	-6.19E-03
1.44E+01	-8.69E-03	1.70E-03	-1.35E-02
1.44E+01	-9.50E-03	7.44E-04	-1.97E-02
1.44E+01	-1.01E-02	-4.20E-04	-2.31E-02
1.44E+01	-1.08E-02	-1.85E-03	-2.31E-02
1.44E+01	-1.17E-02	-3.55E-03	-2.05E-02
1.45E+01	-1.27E-02	-4.95E-03	-1.73E-02
1.45E+01	-1.37E-02	-5.74E-03	-1.52E-02
1.45E+01	-1.46E-02	-5.82E-03	-1.38E-02
1.45E+01	-1.46E-02	-4.94E-03	-1.18E-02
1.45E+01	-1.38E-02	-3.09E-03	-9.34E-03
1.45E+01	-1.22E-02	-6.29E-04	-8.04E-03
1.45E+01	-9.56E-03	1.95E-03	-8.89E-03
1.45E+01	-6.00E-03	4.39E-03	-1.09E-02
1.45E+01	-1.84E-03	6.33E-03	-1.23E-02
1.45E+01	2.33E-03	7.66E-03	-1.22E-02
1.45E+01	5.94E-03	8.67E-03	-1.06E-02
1.45E+01	8.59E-03	9.51E-03	-8.03E-03
1.45E+01	1.01E-02	1.02E-02	-4.74E-03
1.45E+01	1.03E-02	1.10E-02	5.27E-04
1.45E+01	9.21E-03	1.20E-02	8.02E-03
1.45E+01	7.16E-03	1.29E-02	1.61E-02
1.45E+01	4.79E-03	1.35E-02	2.31E-02
1.45E+01	2.76E-03	1.39E-02	2.80E-02
1.45E+01	1.36E-03	1.38E-02	3.04E-02
1.45E+01	7.13E-04	1.30E-02	3.03E-02

1.46E+01	6.80E-04	1.16E-02	2.77E-02
1.46E+01	1.01E-03	9.54E-03	2.27E-02
1.46E+01	1.64E-03	6.98E-03	1.61E-02
1.46E+01	2.44E-03	3.93E-03	9.64E-03
1.46E+01	3.21E-03	4.69E-04	4.15E-03
1.46E+01	3.71E-03	-3.18E-03	-2.05E-04
1.46E+01	3.78E-03	-6.76E-03	-3.42E-03
1.46E+01	3.41E-03	-1.00E-02	-6.15E-03
1.46E+01	2.68E-03	-1.27E-02	-8.59E-03
1.46E+01	1.85E-03	-1.43E-02	-1.10E-02
1.46E+01	1.18E-03	-1.48E-02	-1.39E-02
1.46E+01	8.41E-04	-1.47E-02	-1.75E-02
1.46E+01	1.06E-03	-1.44E-02	-2.18E-02
1.46E+01	2.07E-03	-1.39E-02	-2.62E-02
1.46E+01	3.95E-03	-1.33E-02	-2.98E-02
1.46E+01	6.50E-03	-1.25E-02	-3.25E-02
1.46E+01	9.35E-03	-1.17E-02	-3.41E-02
1.46E+01	1.22E-02	-1.06E-02	-3.39E-02
1.46E+01	1.50E-02	-9.21E-03	-3.04E-02
1.46E+01	1.74E-02	-7.70E-03	-2.37E-02
1.47E+01	1.86E-02	-5.94E-03	-1.57E-02
1.47E+01	1.84E-02	-3.99E-03	-9.22E-03
1.47E+01	1.66E-02	-1.96E-03	-5.54E-03
1.47E+01	1.36E-02	4.20E-05	-3.63E-03
1.47E+01	9.67E-03	1.74E-03	-2.13E-03
1.47E+01	5.35E-03	3.15E-03	-2.83E-04
1.47E+01	1.14E-03	4.15E-03	2.04E-03
1.47E+01	-2.68E-03	4.51E-03	4.36E-03
1.47E+01	-5.96E-03	4.11E-03	6.22E-03
1.47E+01	-8.90E-03	2.80E-03	7.79E-03
1.47E+01	-1.15E-02	1.06E-03	9.61E-03
1.47E+01	-1.35E-02	-6.37E-04	1.19E-02
1.47E+01	-1.50E-02	-2.06E-03	1.44E-02
1.47E+01	-1.62E-02	-2.87E-03	1.63E-02
1.47E+01	-1.67E-02	-3.04E-03	1.74E-02
1.47E+01	-1.66E-02	-2.73E-03	1.79E-02
1.47E+01	-1.56E-02	-2.32E-03	1.83E-02
1.47E+01	-1.40E-02	-2.32E-03	1.83E-02
1.47E+01	-1.22E-02	-3.07E-03	1.75E-02
1.47E+01	-1.05E-02	-4.43E-03	1.59E-02
1.48E+01	-9.22E-03	-5.94E-03	1.31E-02
1.48E+01	-8.64E-03	-7.23E-03	9.40E-03
1.48E+01	-8.76E-03	-7.92E-03	5.63E-03
1.48E+01	-9.21E-03	-7.83E-03	2.58E-03
1.48E+01	-9.75E-03	-6.90E-03	9.37E-04
1.48E+01	-1.03E-02	-5.03E-03	6.56E-04
1.48E+01	-1.04E-02	-2.48E-03	1.10E-03

1.48E+01	-9.86E-03	2.58E-04	1.30E-03
1.48E+01	-8.67E-03	2.81E-03	9.10E-04
1.48E+01	-6.76E-03	5.07E-03	8.29E-04
1.48E+01	-4.21E-03	7.12E-03	1.46E-03
1.48E+01	-1.48E-03	9.08E-03	1.77E-03
1.48E+01	1.07E-03	1.09E-02	8.37E-04
1.48E+01	3.28E-03	1.25E-02	-1.67E-03
1.48E+01	5.18E-03	1.38E-02	-5.73E-03
1.48E+01	6.79E-03	1.48E-02	-1.06E-02
1.48E+01	8.26E-03	1.57E-02	-1.54E-02
1.48E+01	9.64E-03	1.64E-02	-1.88E-02
1.48E+01	1.06E-02	1.71E-02	-2.06E-02
1.48E+01	1.12E-02	1.78E-02	-2.10E-02
1.49E+01	1.11E-02	1.84E-02	-2.05E-02
1.49E+01	1.00E-02	1.84E-02	-1.97E-02
1.49E+01	8.19E-03	1.78E-02	-1.88E-02
1.49E+01	5.94E-03	1.67E-02	-1.69E-02
1.49E+01	3.60E-03	1.52E-02	-1.44E-02
1.49E+01	1.36E-03	1.34E-02	-1.28E-02
1.49E+01	-6.15E-04	1.15E-02	-1.28E-02
1.49E+01	-2.01E-03	9.61E-03	-1.32E-02
1.49E+01	-2.55E-03	7.34E-03	-1.17E-02
1.49E+01	-2.19E-03	4.47E-03	-6.97E-03
1.49E+01	-1.07E-03	1.12E-03	3.96E-04
1.49E+01	5.92E-04	-2.31E-03	8.88E-03
1.49E+01	2.27E-03	-5.72E-03	1.67E-02
1.49E+01	3.56E-03	-9.21E-03	2.25E-02
1.49E+01	4.43E-03	-1.27E-02	2.61E-02
1.49E+01	4.95E-03	-1.59E-02	2.84E-02
1.49E+01	5.18E-03	-1.84E-02	2.92E-02
1.49E+01	5.13E-03	-2.02E-02	2.79E-02
1.49E+01	4.72E-03	-2.11E-02	2.42E-02
1.49E+01	3.81E-03	-2.11E-02	1.75E-02
1.50E+01	2.48E-03	-2.05E-02	9.00E-03
1.50E+01	1.00E-03	-1.89E-02	9.54E-04
1.50E+01	-5.17E-04	-1.67E-02	-5.13E-03
1.50E+01	-2.07E-03	-1.41E-02	-8.77E-03
1.50E+01	-3.66E-03	-1.12E-02	-1.08E-02
1.50E+01	-4.96E-03	-7.90E-03	-1.23E-02
1.50E+01	-5.59E-03	-4.40E-03	-1.41E-02
1.50E+01	-5.30E-03	-1.08E-03	-1.70E-02
1.50E+01	-3.91E-03	1.92E-03	-2.07E-02
1.50E+01	-1.47E-03	4.60E-03	-2.49E-02
1.50E+01	1.79E-03	6.66E-03	-2.90E-02
1.50E+01	5.27E-03	8.07E-03	-3.12E-02
1.50E+01	8.16E-03	8.46E-03	-3.04E-02
1.50E+01	9.73E-03	7.45E-03	-2.64E-02

1.50E+01	9.44E-03	5.61E-03	-1.97E-02
1.50E+01	7.70E-03	3.92E-03	-1.23E-02
1.50E+01	5.22E-03	3.07E-03	-5.18E-03
1.50E+01	2.49E-03	3.46E-03	2.40E-03
1.50E+01	2.81E-04	4.70E-03	1.04E-02
1.50E+01	-1.03E-03	5.52E-03	1.78E-02
1.51E+01	-1.85E-03	5.26E-03	2.41E-02
1.51E+01	-2.36E-03	4.11E-03	2.83E-02
1.51E+01	-2.52E-03	2.05E-03	2.93E-02
1.51E+01	-2.72E-03	-5.22E-04	2.74E-02
1.51E+01	-3.16E-03	-2.72E-03	2.33E-02
1.51E+01	-3.58E-03	-4.19E-03	1.71E-02
1.51E+01	-3.58E-03	-4.67E-03	1.08E-02
1.51E+01	-2.91E-03	-3.91E-03	6.05E-03
1.51E+01	-1.80E-03	-2.54E-03	3.28E-03
1.51E+01	-5.54E-04	-1.28E-03	3.05E-03
1.51E+01	7.22E-04	-1.99E-04	5.14E-03
1.51E+01	1.79E-03	8.08E-04	8.22E-03
1.51E+01	2.38E-03	1.64E-03	1.10E-02
1.51E+01	2.64E-03	2.65E-03	1.22E-02
1.51E+01	2.80E-03	4.09E-03	1.11E-02
1.51E+01	2.93E-03	5.50E-03	7.21E-03
1.51E+01	2.82E-03	6.81E-03	1.62E-03
1.51E+01	2.39E-03	7.86E-03	-4.56E-03
1.51E+01	1.88E-03	8.25E-03	-1.05E-02
1.51E+01	1.38E-03	8.19E-03	-1.52E-02
1.52E+01	8.98E-04	7.52E-03	-1.87E-02
1.52E+01	4.71E-04	5.75E-03	-2.07E-02
1.52E+01	4.08E-05	3.38E-03	-2.11E-02
1.52E+01	-6.55E-04	6.86E-04	-2.00E-02
1.52E+01	-1.89E-03	-2.17E-03	-1.74E-02
1.52E+01	-3.51E-03	-4.68E-03	-1.30E-02
1.52E+01	-5.26E-03	-6.57E-03	-8.13E-03
1.52E+01	-6.89E-03	-7.80E-03	-4.36E-03
1.52E+01	-8.22E-03	-8.43E-03	-2.30E-03
1.52E+01	-8.97E-03	-8.67E-03	-1.60E-03
1.52E+01	-9.05E-03	-8.81E-03	-1.61E-03
1.52E+01	-8.68E-03	-8.75E-03	-1.25E-03
1.52E+01	-7.91E-03	-8.51E-03	1.37E-05
1.52E+01	-6.86E-03	-8.34E-03	2.37E-03
1.52E+01	-5.55E-03	-8.04E-03	5.60E-03
1.52E+01	-4.10E-03	-7.67E-03	9.24E-03
1.52E+01	-2.55E-03	-7.15E-03	1.27E-02
1.52E+01	-6.80E-04	-6.20E-03	1.49E-02
1.52E+01	1.59E-03	-4.90E-03	1.56E-02
1.52E+01	4.28E-03	-3.17E-03	1.52E-02
1.53E+01	7.20E-03	-1.30E-03	1.33E-02

1.53E+01	1.01E-02	5.11E-04	1.07E-02
1.53E+01	1.28E-02	2.08E-03	7.30E-03
1.53E+01	1.52E-02	2.89E-03	3.25E-03
1.53E+01	1.71E-02	2.92E-03	-2.90E-04
1.53E+01	1.83E-02	2.38E-03	-2.44E-03
1.53E+01	1.87E-02	1.53E-03	-3.29E-03
1.53E+01	1.82E-02	5.90E-04	-3.22E-03
1.53E+01	1.68E-02	-2.74E-04	-2.02E-03
1.53E+01	1.47E-02	-9.94E-04	6.02E-04
1.53E+01	1.24E-02	-1.75E-03	4.17E-03
1.53E+01	1.01E-02	-2.46E-03	8.34E-03
1.53E+01	8.15E-03	-2.89E-03	1.23E-02
1.53E+01	6.57E-03	-3.24E-03	1.48E-02
1.53E+01	5.37E-03	-3.69E-03	1.50E-02
1.53E+01	4.56E-03	-4.41E-03	1.30E-02
1.53E+01	4.20E-03	-5.83E-03	8.85E-03
1.53E+01	4.08E-03	-7.81E-03	3.43E-03
1.53E+01	3.88E-03	-1.00E-02	-2.34E-03
1.53E+01	3.50E-03	-1.24E-02	-7.02E-03
1.54E+01	3.13E-03	-1.45E-02	-1.01E-02
1.54E+01	2.88E-03	-1.62E-02	-1.14E-02
1.54E+01	2.71E-03	-1.71E-02	-1.11E-02
1.54E+01	2.71E-03	-1.69E-02	-9.86E-03
1.54E+01	2.88E-03	-1.55E-02	-8.25E-03
1.54E+01	3.13E-03	-1.28E-02	-6.10E-03
1.54E+01	3.55E-03	-8.95E-03	-3.86E-03
1.54E+01	4.08E-03	-4.73E-03	-2.16E-03
1.54E+01	4.49E-03	-6.91E-04	-1.68E-03
1.54E+01	4.53E-03	2.92E-03	-3.14E-03
1.54E+01	4.23E-03	6.14E-03	-6.26E-03
1.54E+01	3.55E-03	9.14E-03	-1.03E-02
1.54E+01	2.20E-03	1.21E-02	-1.41E-02
1.54E+01	2.17E-04	1.51E-02	-1.66E-02
1.54E+01	-2.17E-03	1.81E-02	-1.76E-02
1.54E+01	-4.86E-03	2.08E-02	-1.68E-02
1.54E+01	-7.49E-03	2.31E-02	-1.45E-02
1.54E+01	-9.86E-03	2.49E-02	-1.15E-02
1.54E+01	-1.18E-02	2.64E-02	-7.78E-03
1.54E+01	-1.31E-02	2.74E-02	-3.80E-03
1.55E+01	-1.39E-02	2.77E-02	-1.30E-04
1.55E+01	-1.41E-02	2.73E-02	3.23E-03
1.55E+01	-1.38E-02	2.60E-02	6.09E-03
1.55E+01	-1.29E-02	2.37E-02	8.40E-03
1.55E+01	-1.17E-02	2.08E-02	9.94E-03
1.55E+01	-1.01E-02	1.74E-02	1.04E-02
1.55E+01	-8.48E-03	1.38E-02	1.04E-02
1.55E+01	-6.76E-03	1.03E-02	1.10E-02

1.55E+01	-4.93E-03	7.16E-03	1.24E-02
1.55E+01	-3.33E-03	4.24E-03	1.51E-02
1.55E+01	-2.33E-03	1.74E-03	1.92E-02
1.55E+01	-2.05E-03	-9.69E-04	2.31E-02
1.55E+01	-2.32E-03	-3.91E-03	2.55E-02
1.55E+01	-3.14E-03	-6.97E-03	2.62E-02
1.55E+01	-4.65E-03	-1.03E-02	2.46E-02
1.55E+01	-6.34E-03	-1.33E-02	2.02E-02
1.55E+01	-7.68E-03	-1.55E-02	1.36E-02
1.55E+01	-8.34E-03	-1.63E-02	5.88E-03
1.55E+01	-8.22E-03	-1.56E-02	-2.47E-03
1.55E+01	-7.50E-03	-1.40E-02	-1.06E-02
1.56E+01	-6.32E-03	-1.15E-02	-1.71E-02
1.56E+01	-5.04E-03	-8.25E-03	-2.13E-02
1.56E+01	-3.92E-03	-4.83E-03	-2.27E-02
1.56E+01	-3.06E-03	-1.46E-03	-2.17E-02
1.56E+01	-2.51E-03	1.69E-03	-1.92E-02
1.56E+01	-1.99E-03	4.62E-03	-1.61E-02
1.56E+01	-1.44E-03	7.25E-03	-1.32E-02
1.56E+01	-7.75E-04	9.32E-03	-1.03E-02
1.56E+01	1.99E-04	1.11E-02	-6.70E-03
1.56E+01	1.07E-03	1.22E-02	-2.85E-03
1.56E+01	1.70E-03	1.20E-02	3.20E-04
1.56E+01	2.21E-03	1.08E-02	2.53E-03
1.56E+01	2.49E-03	8.58E-03	5.13E-03
1.56E+01	2.40E-03	6.18E-03	8.78E-03
1.56E+01	1.76E-03	3.67E-03	1.17E-02
1.56E+01	6.40E-04	8.92E-04	1.35E-02
1.56E+01	-9.83E-04	-1.19E-03	1.47E-02
1.56E+01	-3.18E-03	-2.90E-03	1.54E-02
1.56E+01	-5.73E-03	-4.54E-03	1.55E-02
1.56E+01	-8.39E-03	-5.85E-03	1.36E-02
1.57E+01	-1.08E-02	-7.15E-03	8.69E-03
1.57E+01	-1.26E-02	-8.12E-03	2.20E-03
1.57E+01	-1.36E-02	-8.43E-03	-4.56E-03
1.57E+01	-1.35E-02	-8.09E-03	-1.07E-02
1.57E+01	-1.24E-02	-7.07E-03	-1.60E-02
1.57E+01	-1.03E-02	-5.76E-03	-2.05E-02
1.57E+01	-7.51E-03	-4.58E-03	-2.34E-02
1.57E+01	-4.30E-03	-3.68E-03	-2.42E-02
1.57E+01	-6.71E-04	-3.07E-03	-2.25E-02
1.57E+01	3.17E-03	-2.35E-03	-1.84E-02
1.57E+01	6.97E-03	-1.35E-03	-1.24E-02
1.57E+01	1.05E-02	-2.91E-04	-4.87E-03
1.57E+01	1.36E-02	8.92E-04	3.47E-03
1.57E+01	1.60E-02	2.20E-03	1.21E-02
1.57E+01	1.76E-02	3.41E-03	2.02E-02

1.57E+01	1.80E-02	4.40E-03	2.67E-02
1.57E+01	1.72E-02	4.98E-03	3.11E-02
1.57E+01	1.55E-02	5.17E-03	3.38E-02
1.57E+01	1.30E-02	4.99E-03	3.57E-02
1.57E+01	1.00E-02	4.35E-03	3.72E-02
1.58E+01	6.63E-03	3.21E-03	3.82E-02
1.58E+01	2.90E-03	1.59E-03	3.77E-02
1.58E+01	-1.04E-03	-4.52E-04	3.50E-02
1.58E+01	-4.75E-03	-2.76E-03	3.02E-02
1.58E+01	-7.63E-03	-5.14E-03	2.40E-02
1.58E+01	-9.28E-03	-7.39E-03	1.68E-02
1.58E+01	-9.93E-03	-9.49E-03	8.75E-03
1.58E+01	-9.70E-03	-1.15E-02	-1.96E-04
1.58E+01	-8.46E-03	-1.32E-02	-9.53E-03
1.58E+01	-6.43E-03	-1.42E-02	-1.85E-02
1.58E+01	-4.11E-03	-1.49E-02	-2.66E-02
1.58E+01	-2.05E-03	-1.50E-02	-3.31E-02
1.58E+01	-6.77E-04	-1.44E-02	-3.79E-02
1.58E+01	-3.96E-04	-1.31E-02	-4.12E-02
1.58E+01	-1.08E-03	-1.17E-02	-4.23E-02
1.58E+01	-2.23E-03	-1.02E-02	-4.04E-02
1.58E+01	-3.62E-03	-9.19E-03	-3.54E-02
1.58E+01	-4.94E-03	-8.71E-03	-2.84E-02
1.58E+01	-5.75E-03	-8.50E-03	-2.15E-02
1.58E+01	-5.63E-03	-8.19E-03	-1.62E-02
1.59E+01	-4.27E-03	-7.55E-03	-1.23E-02
1.59E+01	-2.09E-03	-6.58E-03	-9.93E-03
1.59E+01	3.54E-04	-5.51E-03	-8.90E-03
1.59E+01	3.11E-03	-4.34E-03	-8.82E-03
1.59E+01	5.84E-03	-2.96E-03	-8.85E-03
1.59E+01	8.04E-03	-1.40E-03	-8.01E-03
1.59E+01	9.57E-03	2.72E-04	-6.33E-03
1.59E+01	1.02E-02	1.72E-03	-4.04E-03
1.59E+01	1.00E-02	2.70E-03	-1.63E-03
1.59E+01	8.91E-03	3.01E-03	1.47E-04
1.59E+01	7.12E-03	2.61E-03	1.34E-03
1.59E+01	4.78E-03	1.53E-03	1.68E-03
1.59E+01	1.83E-03	-2.19E-04	1.28E-03
1.59E+01	-1.55E-03	-2.28E-03	1.15E-03
1.59E+01	-4.81E-03	-4.38E-03	1.21E-03
1.59E+01	-7.47E-03	-6.62E-03	7.35E-04
1.59E+01	-9.54E-03	-8.94E-03	-5.66E-04
1.59E+01	-1.08E-02	-1.11E-02	-2.49E-03
1.59E+01	-1.10E-02	-1.27E-02	-4.01E-03
1.59E+01	-1.05E-02	-1.32E-02	-4.67E-03
1.60E+01	-9.74E-03	-1.27E-02	-5.16E-03
1.60E+01	-9.16E-03	-1.13E-02	-6.18E-03

1.60E+01	-8.88E-03	-9.31E-03	-7.52E-03
1.60E+01	-8.67E-03	-6.66E-03	-7.79E-03
1.60E+01	-8.33E-03	-3.56E-03	-6.05E-03
1.60E+01	-7.77E-03	-3.82E-04	-2.71E-03
1.60E+01	-6.91E-03	2.85E-03	1.38E-03
1.60E+01	-5.63E-03	5.85E-03	5.19E-03
1.60E+01	-3.83E-03	8.58E-03	8.21E-03
1.60E+01	-1.47E-03	1.10E-02	1.06E-02
1.60E+01	1.34E-03	1.29E-02	1.22E-02
1.60E+01	4.37E-03	1.41E-02	1.26E-02
1.60E+01	7.40E-03	1.46E-02	1.15E-02
1.60E+01	1.06E-02	1.46E-02	8.85E-03
1.60E+01	1.39E-02	1.43E-02	5.97E-03
1.60E+01	1.70E-02	1.40E-02	4.52E-03
1.60E+01	1.94E-02	1.36E-02	4.67E-03
1.60E+01	2.12E-02	1.24E-02	5.82E-03
1.60E+01	2.17E-02	1.07E-02	7.21E-03
1.60E+01	2.09E-02	8.46E-03	8.44E-03
1.61E+01	1.85E-02	6.00E-03	9.51E-03
1.61E+01	1.45E-02	3.59E-03	9.85E-03
1.61E+01	9.46E-03	1.03E-03	9.60E-03
1.61E+01	4.11E-03	-1.36E-03	9.72E-03
1.61E+01	-8.79E-04	-3.59E-03	1.08E-02
1.61E+01	-4.85E-03	-5.66E-03	1.29E-02
1.61E+01	-7.55E-03	-7.34E-03	1.56E-02
1.61E+01	-9.21E-03	-8.83E-03	1.79E-02
1.61E+01	-9.83E-03	-1.01E-02	1.91E-02
1.61E+01	-9.42E-03	-1.10E-02	1.88E-02
1.61E+01	-8.02E-03	-1.11E-02	1.75E-02
1.61E+01	-5.85E-03	-9.76E-03	1.57E-02
1.61E+01	-3.71E-03	-7.58E-03	1.26E-02
1.61E+01	-2.19E-03	-5.39E-03	8.17E-03
1.61E+01	-1.58E-03	-3.17E-03	3.29E-03
1.61E+01	-1.88E-03	-1.11E-03	-9.27E-04
1.61E+01	-2.53E-03	5.31E-04	-3.85E-03
1.61E+01	-3.38E-03	1.74E-03	-5.62E-03
1.61E+01	-4.43E-03	2.43E-03	-6.68E-03
1.61E+01	-5.39E-03	2.75E-03	-7.18E-03
1.62E+01	-6.34E-03	2.64E-03	-6.82E-03
1.62E+01	-7.33E-03	2.12E-03	-5.29E-03
1.62E+01	-8.20E-03	1.47E-03	-2.62E-03
1.62E+01	-8.50E-03	8.35E-04	1.17E-03
1.62E+01	-8.14E-03	3.38E-04	5.43E-03
1.62E+01	-7.24E-03	7.08E-05	9.04E-03
1.62E+01	-5.73E-03	1.46E-04	1.20E-02
1.62E+01	-4.16E-03	3.31E-04	1.47E-02
1.62E+01	-2.85E-03	2.42E-04	1.68E-02

1.62E+01	-1.71E-03	-4.55E-04	1.70E-02
1.62E+01	-9.26E-04	-1.73E-03	1.58E-02
1.62E+01	-4.55E-04	-3.27E-03	1.41E-02
1.62E+01	-2.28E-04	-5.00E-03	1.23E-02
1.62E+01	-2.87E-04	-6.65E-03	1.11E-02
1.62E+01	-3.84E-04	-8.06E-03	1.05E-02
1.62E+01	-4.33E-04	-9.19E-03	9.27E-03
1.62E+01	-2.71E-04	-9.78E-03	6.52E-03
1.62E+01	4.15E-04	-9.93E-03	2.55E-03
1.62E+01	1.57E-03	-9.61E-03	-1.63E-03
1.62E+01	2.97E-03	-8.96E-03	-6.26E-03
1.63E+01	4.17E-03	-8.33E-03	-1.15E-02
1.63E+01	4.94E-03	-7.93E-03	-1.70E-02
1.63E+01	5.57E-03	-7.59E-03	-2.23E-02
1.63E+01	6.14E-03	-7.05E-03	-2.64E-02
1.63E+01	6.51E-03	-6.43E-03	-2.84E-02
1.63E+01	6.51E-03	-5.70E-03	-2.91E-02
1.63E+01	6.16E-03	-4.96E-03	-2.98E-02
1.63E+01	5.66E-03	-4.15E-03	-3.07E-02
1.63E+01	5.27E-03	-3.26E-03	-3.07E-02
1.63E+01	5.13E-03	-2.45E-03	-2.86E-02
1.63E+01	5.06E-03	-1.68E-03	-2.42E-02
1.63E+01	5.13E-03	-9.77E-04	-1.90E-02
1.63E+01	5.34E-03	-1.29E-04	-1.36E-02
1.63E+01	5.43E-03	8.09E-04	-9.22E-03
1.63E+01	5.34E-03	1.73E-03	-6.91E-03
1.63E+01	5.05E-03	2.88E-03	-6.22E-03
1.63E+01	4.77E-03	4.38E-03	-6.67E-03
1.63E+01	4.53E-03	6.31E-03	-7.50E-03
1.63E+01	4.09E-03	8.47E-03	-7.72E-03
1.63E+01	3.53E-03	1.08E-02	-7.14E-03
1.64E+01	2.57E-03	1.29E-02	-6.51E-03
1.64E+01	1.06E-03	1.41E-02	-6.74E-03
1.64E+01	-8.24E-04	1.46E-02	-7.46E-03
1.64E+01	-2.99E-03	1.44E-02	-8.36E-03
1.64E+01	-4.98E-03	1.37E-02	-9.68E-03
1.64E+01	-6.32E-03	1.30E-02	-1.07E-02
1.64E+01	-6.67E-03	1.21E-02	-1.05E-02
1.64E+01	-5.93E-03	1.09E-02	-8.61E-03
1.64E+01	-4.49E-03	9.39E-03	-5.25E-03
1.64E+01	-2.80E-03	7.56E-03	-1.48E-03
1.64E+01	-1.18E-03	5.67E-03	1.18E-03
1.64E+01	1.39E-04	4.09E-03	2.60E-03
1.64E+01	8.73E-04	3.31E-03	3.65E-03
1.64E+01	1.15E-03	3.71E-03	4.45E-03
1.64E+01	1.21E-03	5.27E-03	5.02E-03
1.64E+01	1.07E-03	7.61E-03	5.48E-03

1.64E+01	9.72E-04	1.03E-02	6.51E-03
1.64E+01	6.99E-04	1.25E-02	9.21E-03
1.64E+01	-2.16E-05	1.42E-02	1.27E-02
1.64E+01	-1.15E-03	1.51E-02	1.46E-02
1.65E+01	-2.97E-03	1.50E-02	1.33E-02
1.65E+01	-5.33E-03	1.44E-02	9.09E-03
1.65E+01	-7.65E-03	1.36E-02	3.45E-03
1.65E+01	-9.69E-03	1.28E-02	-2.00E-03
1.65E+01	-1.14E-02	1.21E-02	-5.87E-03
1.65E+01	-1.25E-02	1.11E-02	-7.96E-03
1.65E+01	-1.28E-02	9.99E-03	-8.38E-03
1.65E+01	-1.21E-02	8.63E-03	-7.37E-03
1.65E+01	-1.07E-02	6.89E-03	-6.15E-03
1.65E+01	-8.69E-03	5.02E-03	-5.87E-03
1.65E+01	-6.29E-03	3.22E-03	-6.70E-03
1.65E+01	-3.87E-03	1.54E-03	-7.67E-03
1.65E+01	-1.67E-03	3.53E-05	-8.03E-03
1.65E+01	4.94E-05	-1.22E-03	-7.36E-03
1.65E+01	9.73E-04	-2.01E-03	-5.23E-03
1.65E+01	1.17E-03	-2.52E-03	-1.78E-03
1.65E+01	8.90E-04	-2.76E-03	2.77E-03
1.65E+01	1.70E-04	-2.62E-03	7.51E-03
1.65E+01	-1.03E-03	-2.15E-03	1.09E-02
1.65E+01	-2.62E-03	-1.27E-03	1.21E-02
1.66E+01	-4.45E-03	-2.72E-04	1.13E-02
1.66E+01	-6.18E-03	6.66E-04	9.83E-03
1.66E+01	-7.35E-03	1.67E-03	9.16E-03
1.66E+01	-7.87E-03	2.63E-03	1.01E-02
1.66E+01	-7.58E-03	3.69E-03	1.21E-02
1.66E+01	-6.40E-03	4.74E-03	1.45E-02
1.66E+01	-4.53E-03	5.52E-03	1.65E-02
1.66E+01	-2.20E-03	5.95E-03	1.65E-02
1.66E+01	1.61E-04	5.93E-03	1.41E-02
1.66E+01	2.33E-03	5.47E-03	9.91E-03
1.66E+01	4.12E-03	4.24E-03	4.77E-03
1.66E+01	5.15E-03	2.14E-03	-1.45E-04
1.66E+01	5.28E-03	-7.25E-04	-4.04E-03
1.66E+01	4.70E-03	-4.15E-03	-5.61E-03
1.66E+01	3.81E-03	-7.77E-03	-3.43E-03
1.66E+01	2.92E-03	-1.16E-02	1.42E-03
1.66E+01	2.18E-03	-1.53E-02	6.87E-03
1.66E+01	1.59E-03	-1.81E-02	1.14E-02
1.66E+01	1.24E-03	-2.00E-02	1.44E-02
1.66E+01	1.24E-03	-2.09E-02	1.60E-02
1.67E+01	1.38E-03	-2.14E-02	1.60E-02
1.67E+01	1.72E-03	-2.19E-02	1.50E-02
1.67E+01	2.37E-03	-2.22E-02	1.40E-02

1.67E+01	3.22E-03	-2.25E-02	1.36E-02
1.67E+01	4.31E-03	-2.29E-02	1.29E-02
1.67E+01	5.48E-03	-2.34E-02	1.19E-02
1.67E+01	6.52E-03	-2.36E-02	1.09E-02
1.67E+01	7.25E-03	-2.30E-02	9.41E-03
1.67E+01	7.58E-03	-2.17E-02	6.68E-03
1.67E+01	7.60E-03	-1.96E-02	3.41E-03
1.67E+01	7.51E-03	-1.67E-02	-2.30E-04
1.67E+01	7.67E-03	-1.38E-02	-4.55E-03
1.67E+01	8.20E-03	-1.10E-02	-9.22E-03
1.67E+01	9.33E-03	-8.30E-03	-1.35E-02
1.67E+01	1.13E-02	-6.10E-03	-1.68E-02
1.67E+01	1.38E-02	-4.57E-03	-1.91E-02
1.67E+01	1.64E-02	-3.47E-03	-2.08E-02
1.67E+01	1.87E-02	-2.60E-03	-2.28E-02
1.67E+01	2.04E-02	-1.95E-03	-2.54E-02
1.67E+01	2.12E-02	-1.56E-03	-2.76E-02
1.68E+01	2.12E-02	-1.35E-03	-2.78E-02
1.68E+01	2.08E-02	-1.29E-03	-2.47E-02
1.68E+01	1.98E-02	-1.12E-03	-1.80E-02
1.68E+01	1.82E-02	-8.61E-04	-9.90E-03
1.68E+01	1.60E-02	-8.44E-04	-2.38E-03
1.68E+01	1.32E-02	-7.87E-04	3.56E-03
1.68E+01	9.92E-03	-5.59E-04	7.87E-03
1.68E+01	6.13E-03	-3.09E-05	1.16E-02
1.68E+01	2.16E-03	1.10E-03	1.55E-02
1.68E+01	-1.91E-03	2.60E-03	1.94E-02
1.68E+01	-6.08E-03	4.38E-03	2.26E-02
1.68E+01	-1.04E-02	6.33E-03	2.34E-02
1.68E+01	-1.47E-02	8.29E-03	2.12E-02
1.68E+01	-1.88E-02	1.04E-02	1.61E-02
1.68E+01	-2.26E-02	1.25E-02	8.88E-03
1.68E+01	-2.61E-02	1.48E-02	1.22E-03
1.68E+01	-2.89E-02	1.75E-02	-6.10E-03
1.68E+01	-3.08E-02	2.07E-02	-1.23E-02
1.68E+01	-3.18E-02	2.38E-02	-1.65E-02
1.68E+01	-3.21E-02	2.65E-02	-1.85E-02
1.69E+01	-3.17E-02	2.82E-02	-1.83E-02
1.69E+01	-3.09E-02	2.90E-02	-1.62E-02
1.69E+01	-2.97E-02	2.89E-02	-1.40E-02
1.69E+01	-2.80E-02	2.80E-02	-1.28E-02
1.69E+01	-2.58E-02	2.68E-02	-1.21E-02
1.69E+01	-2.32E-02	2.55E-02	-1.12E-02
1.69E+01	-2.05E-02	2.42E-02	-9.66E-03
1.69E+01	-1.77E-02	2.35E-02	-7.21E-03
1.69E+01	-1.50E-02	2.33E-02	-3.94E-03
1.69E+01	-1.24E-02	2.35E-02	2.93E-04

1.69E+01	-1.02E-02	2.42E-02	6.02E-03
1.69E+01	-8.46E-03	2.48E-02	1.30E-02
1.69E+01	-6.97E-03	2.50E-02	1.95E-02
1.69E+01	-5.67E-03	2.47E-02	2.34E-02
1.69E+01	-4.49E-03	2.39E-02	2.41E-02
1.69E+01	-2.99E-03	2.30E-02	2.29E-02
1.69E+01	-6.50E-04	2.21E-02	2.12E-02
1.69E+01	2.57E-03	2.08E-02	1.99E-02
1.69E+01	6.24E-03	1.91E-02	1.83E-02
1.69E+01	9.77E-03	1.68E-02	1.56E-02
1.70E+01	1.27E-02	1.37E-02	1.08E-02
1.70E+01	1.50E-02	1.05E-02	4.30E-03
1.70E+01	1.66E-02	7.59E-03	-3.10E-03
1.70E+01	1.76E-02	5.19E-03	-1.06E-02
1.70E+01	1.82E-02	3.62E-03	-1.70E-02
1.70E+01	1.87E-02	2.92E-03	-2.03E-02
1.70E+01	1.90E-02	2.63E-03	-1.95E-02
1.70E+01	1.89E-02	2.16E-03	-1.53E-02
1.70E+01	1.82E-02	1.04E-03	-9.47E-03
1.70E+01	1.71E-02	-7.25E-04	-3.41E-03
1.70E+01	1.54E-02	-2.88E-03	9.89E-04
1.70E+01	1.38E-02	-5.33E-03	3.31E-03
1.70E+01	1.27E-02	-7.50E-03	4.56E-03
1.70E+01	1.23E-02	-9.15E-03	5.70E-03
1.70E+01	1.22E-02	-1.07E-02	7.23E-03
1.70E+01	1.16E-02	-1.26E-02	8.70E-03
1.70E+01	9.95E-03	-1.50E-02	9.63E-03
1.70E+01	7.41E-03	-1.81E-02	9.65E-03
1.70E+01	4.01E-03	-2.15E-02	8.19E-03
1.70E+01	7.71E-05	-2.49E-02	5.43E-03
1.71E+01	-3.88E-03	-2.75E-02	2.23E-03
1.71E+01	-7.61E-03	-2.90E-02	-1.05E-04
1.71E+01	-1.05E-02	-2.92E-02	-4.38E-04
1.71E+01	-1.22E-02	-2.82E-02	9.91E-04
1.71E+01	-1.27E-02	-2.63E-02	3.37E-03
1.71E+01	-1.19E-02	-2.39E-02	6.16E-03
1.71E+01	-9.86E-03	-2.15E-02	8.21E-03
1.71E+01	-6.36E-03	-1.89E-02	8.54E-03
1.71E+01	-1.66E-03	-1.61E-02	7.24E-03
1.71E+01	3.75E-03	-1.32E-02	4.52E-03
1.71E+01	9.14E-03	-1.03E-02	1.20E-03
1.71E+01	1.39E-02	-7.69E-03	-1.44E-03
1.71E+01	1.79E-02	-5.17E-03	-2.81E-03
1.71E+01	2.05E-02	-3.28E-03	-2.60E-03
1.71E+01	2.16E-02	-2.18E-03	-1.50E-03
1.71E+01	2.09E-02	-1.70E-03	-1.03E-03
1.71E+01	1.89E-02	-1.60E-03	-1.97E-03

1.71E+01	1.58E-02	-1.02E-03	-4.28E-03
1.71E+01	1.20E-02	1.89E-04	-7.21E-03
1.71E+01	8.05E-03	2.31E-03	-9.70E-03
1.72E+01	4.37E-03	5.34E-03	-1.06E-02
1.72E+01	4.97E-04	8.48E-03	-9.44E-03
1.72E+01	-3.55E-03	1.12E-02	-7.09E-03
1.72E+01	-7.31E-03	1.27E-02	-4.57E-03
1.72E+01	-1.07E-02	1.28E-02	-2.04E-03
1.72E+01	-1.39E-02	1.20E-02	9.59E-05
1.72E+01	-1.67E-02	1.09E-02	7.86E-04
1.72E+01	-1.88E-02	9.91E-03	-6.46E-04
1.72E+01	-1.99E-02	9.35E-03	-3.69E-03
1.72E+01	-1.96E-02	9.35E-03	-7.01E-03
1.72E+01	-1.80E-02	9.64E-03	-9.12E-03
1.72E+01	-1.55E-02	9.44E-03	-9.58E-03
1.72E+01	-1.26E-02	8.30E-03	-8.66E-03
1.72E+01	-9.93E-03	6.24E-03	-6.34E-03
1.72E+01	-7.85E-03	3.61E-03	-3.34E-03
1.72E+01	-6.28E-03	6.10E-04	-6.71E-04
1.72E+01	-5.18E-03	-2.37E-03	1.30E-03
1.72E+01	-4.23E-03	-4.61E-03	2.68E-03
1.72E+01	-3.13E-03	-5.79E-03	3.65E-03
1.72E+01	-1.85E-03	-6.29E-03	3.85E-03
1.73E+01	-6.92E-05	-6.37E-03	3.15E-03
1.73E+01	2.07E-03	-5.92E-03	1.96E-03
1.73E+01	4.15E-03	-5.25E-03	9.17E-05
1.73E+01	6.02E-03	-4.61E-03	-2.98E-03
1.73E+01	7.57E-03	-4.07E-03	-7.07E-03
1.73E+01	8.67E-03	-3.59E-03	-1.11E-02
1.73E+01	9.03E-03	-2.79E-03	-1.39E-02
1.73E+01	8.60E-03	-1.70E-03	-1.48E-02
1.73E+01	7.26E-03	-2.92E-04	-1.46E-02
1.73E+01	4.84E-03	1.55E-03	-1.51E-02
1.73E+01	1.74E-03	3.61E-03	-1.60E-02
1.73E+01	-1.21E-03	5.71E-03	-1.55E-02
1.73E+01	-3.38E-03	7.42E-03	-1.28E-02
1.73E+01	-4.76E-03	8.11E-03	-9.81E-03
1.73E+01	-5.43E-03	7.45E-03	-8.28E-03
1.73E+01	-5.45E-03	5.64E-03	-7.52E-03
1.73E+01	-4.98E-03	2.95E-03	-6.20E-03
1.73E+01	-4.06E-03	-3.50E-04	-4.07E-03
1.73E+01	-2.98E-03	-3.56E-03	-1.30E-03
1.73E+01	-1.97E-03	-6.06E-03	1.47E-03
1.74E+01	-9.79E-04	-7.85E-03	4.08E-03
1.74E+01	3.99E-05	-8.96E-03	7.10E-03
1.74E+01	9.17E-04	-9.54E-03	1.05E-02
1.74E+01	1.37E-03	-1.01E-02	1.39E-02

1.74E+01	1.40E-03	-1.08E-02	1.75E-02
1.74E+01	1.08E-03	-1.19E-02	2.13E-02
1.74E+01	5.12E-04	-1.31E-02	2.44E-02
1.74E+01	-7.10E-05	-1.39E-02	2.53E-02
1.74E+01	-6.01E-04	-1.41E-02	2.33E-02
1.74E+01	-9.92E-04	-1.35E-02	1.84E-02
1.74E+01	-7.70E-04	-1.16E-02	1.30E-02
1.74E+01	5.35E-04	-8.26E-03	8.35E-03
1.74E+01	2.93E-03	-3.77E-03	3.65E-03
1.74E+01	5.77E-03	1.36E-03	-1.17E-03
1.74E+01	8.57E-03	6.32E-03	-5.17E-03
1.74E+01	1.11E-02	1.06E-02	-7.68E-03
1.74E+01	1.30E-02	1.37E-02	-8.30E-03
1.74E+01	1.42E-02	1.59E-02	-7.73E-03
1.74E+01	1.48E-02	1.75E-02	-6.73E-03
1.74E+01	1.47E-02	1.88E-02	-5.14E-03
1.75E+01	1.39E-02	1.96E-02	-3.25E-03
1.75E+01	1.25E-02	1.95E-02	-2.07E-03
1.75E+01	1.04E-02	1.80E-02	-2.10E-03
1.75E+01	8.03E-03	1.51E-02	-2.99E-03
1.75E+01	5.76E-03	1.07E-02	-3.95E-03
1.75E+01	3.89E-03	5.45E-03	-4.28E-03
1.75E+01	2.62E-03	5.61E-04	-3.32E-03
1.75E+01	1.85E-03	-3.23E-03	-3.75E-04
1.75E+01	1.21E-03	-6.08E-03	3.88E-03
1.75E+01	3.28E-04	-8.57E-03	7.87E-03
1.75E+01	-1.12E-03	-1.11E-02	1.08E-02
1.75E+01	-3.07E-03	-1.35E-02	1.25E-02
1.75E+01	-5.23E-03	-1.58E-02	1.29E-02
1.75E+01	-7.43E-03	-1.78E-02	1.25E-02
1.75E+01	-9.63E-03	-1.90E-02	1.19E-02
1.75E+01	-1.17E-02	-1.93E-02	1.13E-02
1.75E+01	-1.36E-02	-1.88E-02	1.01E-02
1.75E+01	-1.54E-02	-1.73E-02	7.99E-03
1.75E+01	-1.69E-02	-1.47E-02	5.00E-03
1.75E+01	-1.80E-02	-1.13E-02	1.90E-03
1.76E+01	-1.87E-02	-7.28E-03	-2.79E-04
1.76E+01	-1.91E-02	-2.87E-03	-1.15E-03
1.76E+01	-1.90E-02	1.55E-03	-6.55E-04
1.76E+01	-1.87E-02	5.91E-03	7.70E-04
1.76E+01	-1.80E-02	1.00E-02	2.78E-03
1.76E+01	-1.70E-02	1.36E-02	5.34E-03
1.76E+01	-1.55E-02	1.67E-02	7.73E-03
1.76E+01	-1.35E-02	1.93E-02	9.18E-03
1.76E+01	-1.09E-02	2.15E-02	9.52E-03
1.76E+01	-7.70E-03	2.30E-02	9.26E-03
1.76E+01	-4.25E-03	2.37E-02	9.19E-03

1.76E+01	-1.14E-03	2.37E-02	9.69E-03
1.76E+01	1.22E-03	2.28E-02	1.04E-02
1.76E+01	2.71E-03	2.11E-02	1.10E-02
1.76E+01	3.40E-03	1.86E-02	1.10E-02
1.76E+01	3.44E-03	1.56E-02	1.03E-02
1.76E+01	3.15E-03	1.20E-02	8.86E-03
1.76E+01	2.97E-03	8.09E-03	6.75E-03
1.76E+01	2.99E-03	4.11E-03	4.15E-03
1.76E+01	3.07E-03	5.26E-04	1.39E-03
1.77E+01	3.20E-03	-2.45E-03	-1.59E-03
1.77E+01	3.29E-03	-4.88E-03	-5.22E-03
1.77E+01	3.31E-03	-6.97E-03	-9.51E-03
1.77E+01	3.32E-03	-8.87E-03	-1.39E-02
1.77E+01	3.32E-03	-1.08E-02	-1.77E-02
1.77E+01	3.31E-03	-1.27E-02	-1.93E-02
1.77E+01	3.21E-03	-1.43E-02	-1.85E-02
1.77E+01	2.95E-03	-1.57E-02	-1.58E-02
1.77E+01	2.67E-03	-1.67E-02	-1.20E-02
1.77E+01	2.68E-03	-1.70E-02	-8.54E-03
1.77E+01	2.98E-03	-1.69E-02	-6.29E-03
1.77E+01	3.74E-03	-1.62E-02	-5.41E-03
1.77E+01	5.16E-03	-1.48E-02	-5.50E-03
1.77E+01	7.00E-03	-1.29E-02	-5.52E-03
1.77E+01	8.95E-03	-1.08E-02	-4.50E-03
1.77E+01	1.04E-02	-8.77E-03	-2.05E-03
1.77E+01	1.10E-02	-7.19E-03	1.47E-03
1.77E+01	1.03E-02	-6.17E-03	5.02E-03
1.77E+01	8.37E-03	-5.51E-03	7.88E-03
1.77E+01	5.60E-03	-4.76E-03	9.71E-03
1.78E+01	2.24E-03	-3.61E-03	1.06E-02
1.78E+01	-1.20E-03	-1.86E-03	1.07E-02
1.78E+01	-4.02E-03	3.75E-04	1.02E-02
1.78E+01	-6.00E-03	2.66E-03	9.65E-03
1.78E+01	-7.37E-03	4.44E-03	8.35E-03
1.78E+01	-8.41E-03	4.96E-03	5.54E-03
1.78E+01	-9.07E-03	4.12E-03	1.70E-03
1.78E+01	-9.20E-03	2.45E-03	-2.51E-03
1.78E+01	-8.76E-03	5.46E-04	-6.56E-03
1.78E+01	-7.80E-03	-8.12E-04	-1.03E-02
1.78E+01	-6.54E-03	-1.20E-03	-1.37E-02
1.78E+01	-5.40E-03	-5.84E-04	-1.57E-02
1.78E+01	-4.63E-03	5.92E-04	-1.60E-02
1.78E+01	-3.93E-03	1.90E-03	-1.54E-02
1.78E+01	-3.05E-03	3.49E-03	-1.39E-02
1.78E+01	-2.08E-03	5.32E-03	-1.24E-02
1.78E+01	-9.21E-04	7.11E-03	-1.23E-02
1.78E+01	6.37E-04	8.81E-03	-1.38E-02

1.78E+01	2.53E-03	1.03E-02	-1.62E-02
1.78E+01	4.41E-03	1.14E-02	-1.82E-02
1.79E+01	6.09E-03	1.19E-02	-1.79E-02
1.79E+01	7.57E-03	1.15E-02	-1.43E-02
1.79E+01	8.77E-03	1.03E-02	-8.53E-03
1.79E+01	9.56E-03	8.36E-03	-2.25E-03
1.79E+01	9.90E-03	6.10E-03	3.54E-03
1.79E+01	9.85E-03	4.04E-03	8.69E-03
1.79E+01	9.21E-03	2.42E-03	1.29E-02
1.79E+01	7.78E-03	1.40E-03	1.54E-02
1.79E+01	5.84E-03	1.11E-03	1.61E-02
1.79E+01	3.74E-03	1.51E-03	1.56E-02
1.79E+01	1.80E-03	2.38E-03	1.43E-02
1.79E+01	3.63E-04	3.23E-03	1.22E-02
1.79E+01	-1.69E-04	3.68E-03	9.88E-03
1.79E+01	4.03E-04	3.73E-03	8.51E-03
1.79E+01	2.08E-03	3.28E-03	8.24E-03
1.79E+01	4.71E-03	2.17E-03	7.67E-03
1.79E+01	7.93E-03	8.13E-04	5.90E-03
1.79E+01	1.14E-02	-4.68E-04	3.10E-03
1.79E+01	1.48E-02	-1.56E-03	3.20E-04
1.79E+01	1.80E-02	-2.36E-03	-1.39E-03
1.80E+01	2.06E-02	-2.78E-03	-1.68E-03
1.80E+01	2.24E-02	-2.82E-03	-1.01E-03
1.80E+01	2.32E-02	-2.97E-03	-5.34E-06
1.80E+01	2.29E-02	-3.59E-03	1.09E-03
1.80E+01	2.14E-02	-4.90E-03	2.29E-03
1.80E+01	1.90E-02	-6.93E-03	3.80E-03
1.80E+01	1.57E-02	-9.10E-03	5.54E-03
1.80E+01	1.18E-02	-1.11E-02	7.12E-03
1.80E+01	7.76E-03	-1.26E-02	8.26E-03
1.80E+01	4.00E-03	-1.34E-02	8.73E-03
1.80E+01	9.27E-04	-1.37E-02	8.89E-03
1.80E+01	-1.38E-03	-1.37E-02	9.22E-03
1.80E+01	-3.05E-03	-1.37E-02	9.69E-03
1.80E+01	-4.14E-03	-1.37E-02	9.96E-03
1.80E+01	-4.88E-03	-1.37E-02	9.50E-03
1.80E+01	-5.72E-03	-1.32E-02	7.86E-03
1.80E+01	-6.77E-03	-1.21E-02	5.34E-03
1.80E+01	-8.03E-03	-1.07E-02	3.48E-03
1.80E+01	-9.50E-03	-9.24E-03	3.05E-03
1.80E+01	-1.11E-02	-7.86E-03	2.88E-03
1.81E+01	-1.28E-02	-6.51E-03	1.78E-03
1.81E+01	-1.45E-02	-4.98E-03	-3.82E-04
1.81E+01	-1.58E-02	-3.12E-03	-2.77E-03
1.81E+01	-1.65E-02	-9.79E-04	-4.48E-03
1.81E+01	-1.65E-02	1.22E-03	-4.94E-03

1.81E+01	-1.59E-02	3.24E-03	-4.33E-03
1.81E+01	-1.48E-02	4.92E-03	-3.92E-03
1.81E+01	-1.36E-02	5.93E-03	-4.31E-03
1.81E+01	-1.28E-02	6.17E-03	-5.54E-03
1.81E+01	-1.22E-02	5.87E-03	-7.14E-03
1.81E+01	-1.17E-02	5.23E-03	-7.97E-03
1.81E+01	-1.09E-02	4.56E-03	-7.61E-03
1.81E+01	-9.47E-03	4.04E-03	-6.04E-03
1.81E+01	-7.68E-03	3.65E-03	-3.83E-03
1.81E+01	-5.49E-03	3.49E-03	-2.37E-03
1.81E+01	-2.87E-03	3.74E-03	-2.23E-03
1.81E+01	2.93E-04	4.40E-03	-3.26E-03
1.81E+01	4.15E-03	5.27E-03	-4.85E-03
1.81E+01	8.31E-03	6.04E-03	-6.37E-03
1.81E+01	1.25E-02	6.67E-03	-7.94E-03
1.82E+01	1.66E-02	7.08E-03	-9.19E-03
1.82E+01	2.04E-02	6.91E-03	-9.27E-03
1.82E+01	2.34E-02	6.12E-03	-8.38E-03
1.82E+01	2.53E-02	4.74E-03	-7.18E-03
1.82E+01	2.60E-02	3.07E-03	-5.65E-03
1.82E+01	2.58E-02	1.39E-03	-3.43E-03
1.82E+01	2.45E-02	-5.79E-04	-8.67E-04
1.82E+01	2.22E-02	-2.82E-03	1.46E-03
1.82E+01	1.91E-02	-5.12E-03	3.26E-03
1.82E+01	1.55E-02	-7.23E-03	4.53E-03
1.82E+01	1.15E-02	-9.16E-03	4.76E-03
1.82E+01	7.18E-03	-1.10E-02	3.13E-03
1.82E+01	2.98E-03	-1.25E-02	-1.66E-04
1.82E+01	-7.38E-04	-1.36E-02	-4.54E-03
1.82E+01	-3.92E-03	-1.45E-02	-9.51E-03
1.82E+01	-6.57E-03	-1.52E-02	-1.43E-02
1.82E+01	-8.72E-03	-1.57E-02	-1.79E-02
1.82E+01	-1.03E-02	-1.56E-02	-1.94E-02
1.82E+01	-1.16E-02	-1.48E-02	-1.84E-02
1.82E+01	-1.28E-02	-1.33E-02	-1.59E-02
1.83E+01	-1.40E-02	-1.13E-02	-1.32E-02
1.83E+01	-1.50E-02	-8.59E-03	-1.07E-02
1.83E+01	-1.57E-02	-5.82E-03	-8.98E-03
1.83E+01	-1.62E-02	-3.57E-03	-6.81E-03
1.83E+01	-1.62E-02	-1.65E-03	-2.79E-03
1.83E+01	-1.59E-02	2.80E-05	3.00E-03
1.83E+01	-1.56E-02	1.41E-03	9.66E-03
1.83E+01	-1.54E-02	2.50E-03	1.62E-02
1.83E+01	-1.53E-02	3.23E-03	2.11E-02
1.83E+01	-1.52E-02	3.80E-03	2.38E-02
1.83E+01	-1.51E-02	4.27E-03	2.47E-02
1.83E+01	-1.50E-02	4.77E-03	2.39E-02

1.83E+01	-1.47E-02	5.28E-03	2.13E-02
1.83E+01	-1.39E-02	5.65E-03	1.72E-02
1.83E+01	-1.28E-02	5.73E-03	1.32E-02
1.83E+01	-1.12E-02	5.32E-03	1.08E-02
1.83E+01	-9.38E-03	4.47E-03	1.03E-02
1.83E+01	-7.54E-03	3.19E-03	1.05E-02
1.83E+01	-5.68E-03	1.62E-03	9.31E-03
1.83E+01	-3.79E-03	2.09E-04	5.70E-03
1.84E+01	-1.91E-03	-4.59E-04	9.05E-04
1.84E+01	1.29E-04	-5.09E-05	-3.39E-03
1.84E+01	2.29E-03	9.91E-04	-6.67E-03
1.84E+01	4.44E-03	2.45E-03	-8.35E-03
1.84E+01	6.61E-03	4.27E-03	-7.76E-03
1.84E+01	8.59E-03	5.83E-03	-5.12E-03
1.84E+01	1.00E-02	6.83E-03	-1.62E-03
1.84E+01	1.07E-02	7.15E-03	1.15E-03
1.84E+01	1.08E-02	6.90E-03	2.45E-03
1.84E+01	1.05E-02	6.44E-03	2.58E-03
1.84E+01	9.80E-03	5.93E-03	1.75E-03
1.84E+01	8.72E-03	5.48E-03	6.83E-05
1.84E+01	7.27E-03	5.21E-03	-1.66E-03
1.84E+01	5.58E-03	4.92E-03	-2.69E-03
1.84E+01	3.54E-03	4.17E-03	-2.67E-03
1.84E+01	1.49E-03	2.94E-03	-1.80E-03
1.84E+01	-1.23E-04	1.57E-03	-7.74E-04
1.84E+01	-1.39E-03	3.27E-04	7.50E-05
1.84E+01	-2.25E-03	-5.28E-04	6.59E-04
1.84E+01	-2.58E-03	-1.05E-03	1.74E-03
1.85E+01	-2.37E-03	-1.38E-03	4.24E-03
1.85E+01	-1.83E-03	-1.51E-03	7.78E-03
1.85E+01	-1.14E-03	-1.76E-03	1.17E-02
1.85E+01	-4.71E-04	-2.42E-03	1.57E-02
1.85E+01	-1.17E-04	-3.51E-03	1.85E-02
1.85E+01	-4.38E-04	-5.04E-03	1.84E-02
1.85E+01	-1.40E-03	-6.72E-03	1.44E-02
1.85E+01	-2.83E-03	-7.94E-03	7.28E-03
1.85E+01	-4.72E-03	-8.35E-03	-6.03E-04
1.85E+01	-6.80E-03	-8.00E-03	-7.18E-03
1.85E+01	-8.89E-03	-6.82E-03	-1.12E-02
1.85E+01	-1.11E-02	-5.03E-03	-1.22E-02
1.85E+01	-1.32E-02	-3.30E-03	-1.19E-02
1.85E+01	-1.52E-02	-2.16E-03	-1.15E-02
1.85E+01	-1.69E-02	-1.69E-03	-1.12E-02
1.85E+01	-1.78E-02	-1.26E-03	-1.09E-02
1.85E+01	-1.77E-02	-6.12E-04	-1.01E-02
1.85E+01	-1.66E-02	1.63E-04	-9.23E-03
1.85E+01	-1.42E-02	8.62E-04	-8.63E-03

1.85E+01	-1.07E-02	1.12E-03	-7.97E-03
1.86E+01	-6.55E-03	8.82E-04	-6.74E-03
1.86E+01	-2.17E-03	-2.73E-05	-5.08E-03
1.86E+01	2.05E-03	-1.42E-03	-4.16E-03
1.86E+01	5.65E-03	-2.87E-03	-5.03E-03
1.86E+01	8.63E-03	-4.11E-03	-7.75E-03
1.86E+01	1.12E-02	-4.88E-03	-1.14E-02
1.86E+01	1.33E-02	-5.08E-03	-1.47E-02
1.86E+01	1.53E-02	-4.66E-03	-1.64E-02
1.86E+01	1.71E-02	-4.01E-03	-1.65E-02
1.86E+01	1.85E-02	-3.72E-03	-1.51E-02
1.86E+01	1.94E-02	-3.86E-03	-1.29E-02
1.86E+01	1.98E-02	-4.40E-03	-1.04E-02
1.86E+01	1.99E-02	-5.27E-03	-7.16E-03
1.86E+01	1.97E-02	-6.14E-03	-2.64E-03
1.86E+01	1.93E-02	-6.94E-03	2.73E-03
1.86E+01	1.90E-02	-7.64E-03	7.96E-03
1.86E+01	1.87E-02	-8.00E-03	1.24E-02
1.86E+01	1.83E-02	-8.03E-03	1.68E-02
1.86E+01	1.78E-02	-7.98E-03	2.16E-02
1.86E+01	1.68E-02	-8.20E-03	2.55E-02
1.87E+01	1.52E-02	-8.79E-03	2.74E-02
1.87E+01	1.33E-02	-9.53E-03	2.64E-02
1.87E+01	1.10E-02	-1.02E-02	2.28E-02
1.87E+01	8.46E-03	-1.06E-02	1.74E-02
1.87E+01	5.67E-03	-1.05E-02	1.08E-02
1.87E+01	2.78E-03	-1.02E-02	4.16E-03
1.87E+01	1.39E-05	-9.55E-03	-2.30E-03
1.87E+01	-2.49E-03	-8.89E-03	-8.53E-03
1.87E+01	-4.55E-03	-8.28E-03	-1.41E-02
1.87E+01	-6.06E-03	-7.39E-03	-1.81E-02
1.87E+01	-6.85E-03	-6.11E-03	-2.02E-02
1.87E+01	-7.26E-03	-4.78E-03	-2.07E-02
1.87E+01	-7.54E-03	-3.53E-03	-2.00E-02
1.87E+01	-7.78E-03	-2.48E-03	-1.91E-02
1.87E+01	-8.28E-03	-1.71E-03	-1.81E-02
1.87E+01	-9.01E-03	-9.73E-04	-1.60E-02
1.87E+01	-9.86E-03	-3.83E-04	-1.27E-02
1.87E+01	-1.10E-02	2.00E-04	-1.00E-02
1.87E+01	-1.26E-02	1.11E-03	-8.73E-03
1.87E+01	-1.41E-02	2.48E-03	-8.18E-03
1.88E+01	-1.48E-02	4.29E-03	-7.30E-03
1.88E+01	-1.47E-02	5.94E-03	-5.84E-03
1.88E+01	-1.39E-02	6.98E-03	-4.82E-03
1.88E+01	-1.25E-02	7.22E-03	-5.21E-03
1.88E+01	-1.07E-02	6.57E-03	-6.92E-03
1.88E+01	-8.53E-03	5.37E-03	-8.58E-03

1.88E+01	-6.23E-03	4.10E-03	-8.93E-03
1.88E+01	-3.87E-03	3.35E-03	-8.69E-03
1.88E+01	-1.63E-03	3.27E-03	-8.38E-03
1.88E+01	5.21E-04	3.64E-03	-8.03E-03
1.88E+01	2.68E-03	4.46E-03	-8.00E-03
1.88E+01	4.54E-03	5.70E-03	-8.28E-03
1.88E+01	6.11E-03	7.14E-03	-9.14E-03
1.88E+01	7.53E-03	8.41E-03	-1.06E-02
1.88E+01	8.84E-03	9.10E-03	-1.18E-02
1.88E+01	1.02E-02	9.21E-03	-1.20E-02
1.88E+01	1.15E-02	8.73E-03	-1.06E-02
1.88E+01	1.29E-02	7.41E-03	-8.05E-03
1.88E+01	1.42E-02	5.22E-03	-4.96E-03
1.88E+01	1.55E-02	2.42E-03	-1.41E-03
1.89E+01	1.66E-02	-6.28E-04	2.35E-03
1.89E+01	1.75E-02	-3.73E-03	5.60E-03
1.89E+01	1.80E-02	-6.82E-03	8.15E-03
1.89E+01	1.78E-02	-9.66E-03	9.93E-03
1.89E+01	1.68E-02	-1.21E-02	1.09E-02
1.89E+01	1.51E-02	-1.42E-02	1.13E-02
1.89E+01	1.28E-02	-1.58E-02	1.18E-02
1.89E+01	1.02E-02	-1.66E-02	1.30E-02
1.89E+01	7.67E-03	-1.66E-02	1.52E-02
1.89E+01	5.16E-03	-1.61E-02	1.80E-02
1.89E+01	2.65E-03	-1.53E-02	1.95E-02
1.89E+01	4.38E-04	-1.40E-02	1.85E-02
1.89E+01	-1.18E-03	-1.21E-02	1.57E-02
1.89E+01	-2.03E-03	-9.77E-03	1.21E-02
1.89E+01	-2.15E-03	-7.30E-03	8.07E-03
1.89E+01	-1.73E-03	-5.03E-03	4.13E-03
1.89E+01	-1.00E-03	-2.87E-03	1.24E-04
1.89E+01	-1.74E-04	-7.29E-04	-4.32E-03
1.89E+01	7.94E-04	1.03E-03	-8.86E-03
1.89E+01	1.76E-03	2.32E-03	-1.27E-02
1.90E+01	2.60E-03	3.23E-03	-1.57E-02
1.90E+01	3.28E-03	4.04E-03	-1.80E-02
1.90E+01	3.88E-03	5.05E-03	-1.97E-02
1.90E+01	4.49E-03	6.26E-03	-2.05E-02
1.90E+01	4.88E-03	7.52E-03	-2.00E-02
1.90E+01	4.81E-03	8.46E-03	-1.84E-02
1.90E+01	4.21E-03	8.92E-03	-1.58E-02
1.90E+01	3.25E-03	8.89E-03	-1.32E-02
1.90E+01	1.96E-03	8.42E-03	-1.19E-02
1.90E+01	4.75E-04	7.80E-03	-1.20E-02
1.90E+01	-6.67E-04	7.10E-03	-1.25E-02
1.90E+01	-1.05E-03	6.14E-03	-1.21E-02
1.90E+01	-6.88E-04	4.41E-03	-9.89E-03

1.90E+01	8.07E-05	1.62E-03	-5.86E-03
1.90E+01	1.08E-03	-1.96E-03	-8.47E-04
1.90E+01	2.21E-03	-5.89E-03	4.23E-03
1.90E+01	3.16E-03	-9.55E-03	8.55E-03
1.90E+01	3.83E-03	-1.23E-02	1.17E-02
1.90E+01	4.24E-03	-1.37E-02	1.38E-02
1.90E+01	4.40E-03	-1.39E-02	1.54E-02
1.91E+01	4.29E-03	-1.34E-02	1.66E-02
1.91E+01	3.70E-03	-1.26E-02	1.82E-02
1.91E+01	2.73E-03	-1.17E-02	2.02E-02
1.91E+01	1.32E-03	-1.12E-02	2.14E-02
1.91E+01	-7.89E-04	-1.12E-02	2.02E-02
1.91E+01	-3.13E-03	-1.15E-02	1.69E-02
1.91E+01	-5.04E-03	-1.15E-02	1.34E-02
1.91E+01	-6.40E-03	-1.12E-02	1.12E-02
1.91E+01	-7.35E-03	-1.04E-02	1.02E-02
1.91E+01	-7.93E-03	-9.24E-03	9.75E-03
1.91E+01	-8.25E-03	-7.93E-03	9.02E-03
1.91E+01	-8.30E-03	-6.68E-03	7.12E-03
1.91E+01	-7.99E-03	-5.52E-03	4.86E-03
1.91E+01	-7.22E-03	-4.11E-03	3.78E-03
1.91E+01	-6.08E-03	-2.40E-03	4.00E-03
1.91E+01	-5.07E-03	-5.38E-04	4.96E-03
1.91E+01	-4.42E-03	1.50E-03	6.22E-03
1.91E+01	-4.22E-03	3.56E-03	7.96E-03
1.91E+01	-4.76E-03	5.49E-03	1.08E-02
1.91E+01	-6.16E-03	6.96E-03	1.46E-02
1.92E+01	-8.30E-03	7.77E-03	1.84E-02
1.92E+01	-1.11E-02	8.32E-03	2.11E-02
1.92E+01	-1.42E-02	8.66E-03	2.18E-02
1.92E+01	-1.71E-02	8.58E-03	2.07E-02
1.92E+01	-1.97E-02	8.06E-03	1.90E-02
1.92E+01	-2.16E-02	7.17E-03	1.72E-02
1.92E+01	-2.26E-02	5.82E-03	1.50E-02
1.92E+01	-2.26E-02	3.94E-03	1.22E-02
1.92E+01	-2.17E-02	1.79E-03	8.62E-03
1.92E+01	-2.00E-02	-2.86E-04	3.79E-03
1.92E+01	-1.79E-02	-1.89E-03	-2.16E-03
1.92E+01	-1.56E-02	-2.79E-03	-9.18E-03
1.92E+01	-1.33E-02	-2.90E-03	-1.66E-02
1.92E+01	-1.11E-02	-2.15E-03	-2.32E-02
1.92E+01	-9.03E-03	-7.61E-04	-2.78E-02
1.92E+01	-7.07E-03	9.20E-04	-2.92E-02
1.92E+01	-5.38E-03	2.61E-03	-2.74E-02
1.92E+01	-3.99E-03	3.83E-03	-2.38E-02
1.92E+01	-2.77E-03	4.42E-03	-1.91E-02
1.92E+01	-1.65E-03	4.78E-03	-1.35E-02

1.93E+01	-4.60E-04	5.31E-03	-7.29E-03
1.93E+01	8.47E-04	6.26E-03	-3.98E-04
1.93E+01	2.37E-03	7.44E-03	6.06E-03
1.93E+01	4.08E-03	8.41E-03	1.16E-02
1.93E+01	5.88E-03	8.97E-03	1.72E-02
1.93E+01	7.90E-03	8.91E-03	2.35E-02
1.93E+01	9.98E-03	8.24E-03	2.97E-02
1.93E+01	1.17E-02	7.03E-03	3.42E-02
1.93E+01	1.29E-02	5.42E-03	3.57E-02
1.93E+01	1.37E-02	3.70E-03	3.37E-02
1.93E+01	1.45E-02	1.97E-03	2.82E-02
1.93E+01	1.52E-02	6.19E-04	2.10E-02
1.93E+01	1.61E-02	-2.23E-04	1.39E-02
1.93E+01	1.71E-02	-8.24E-04	7.73E-03
1.93E+01	1.81E-02	-1.14E-03	2.81E-03
1.93E+01	1.88E-02	-1.12E-03	-1.07E-03
1.93E+01	1.92E-02	-7.70E-04	-4.78E-03
1.93E+01	1.90E-02	-1.12E-04	-8.72E-03
1.93E+01	1.82E-02	8.28E-04	-1.28E-02
1.93E+01	1.72E-02	1.86E-03	-1.66E-02
1.94E+01	1.62E-02	2.86E-03	-1.96E-02
1.94E+01	1.52E-02	3.99E-03	-2.10E-02
1.94E+01	1.41E-02	4.86E-03	-2.05E-02
1.94E+01	1.30E-02	4.87E-03	-1.78E-02
1.94E+01	1.15E-02	3.88E-03	-1.36E-02
1.94E+01	9.57E-03	1.73E-03	-8.81E-03
1.94E+01	7.53E-03	-1.03E-03	-4.02E-03
1.94E+01	5.50E-03	-3.31E-03	5.70E-04
1.94E+01	3.40E-03	-4.80E-03	4.54E-03
1.94E+01	1.38E-03	-5.50E-03	7.27E-03
1.94E+01	-7.09E-04	-5.65E-03	8.68E-03
1.94E+01	-2.80E-03	-5.64E-03	9.24E-03
1.94E+01	-4.70E-03	-5.68E-03	9.44E-03
1.94E+01	-6.44E-03	-6.03E-03	9.50E-03
1.94E+01	-8.13E-03	-6.71E-03	9.15E-03
1.94E+01	-9.85E-03	-7.43E-03	7.78E-03
1.94E+01	-1.13E-02	-8.21E-03	4.53E-03
1.94E+01	-1.24E-02	-8.86E-03	-1.88E-04
1.94E+01	-1.32E-02	-8.88E-03	-4.78E-03
1.94E+01	-1.39E-02	-8.16E-03	-8.59E-03
1.95E+01	-1.48E-02	-6.83E-03	-1.21E-02
1.95E+01	-1.61E-02	-4.95E-03	-1.62E-02
1.95E+01	-1.74E-02	-2.62E-03	-2.11E-02
1.95E+01	-1.81E-02	1.78E-04	-2.64E-02
1.95E+01	-1.80E-02	3.05E-03	-3.09E-02
1.95E+01	-1.69E-02	5.41E-03	-3.31E-02
1.95E+01	-1.48E-02	6.91E-03	-3.29E-02

1.95E+01	-1.24E-02	7.18E-03	-3.14E-02
1.95E+01	-9.85E-03	6.16E-03	-2.92E-02
1.95E+01	-7.31E-03	4.32E-03	-2.56E-02
1.95E+01	-5.00E-03	2.03E-03	-2.01E-02
1.95E+01	-3.20E-03	-3.01E-04	-1.35E-02
1.95E+01	-2.10E-03	-2.21E-03	-6.81E-03
1.95E+01	-1.65E-03	-3.51E-03	-8.44E-04
1.95E+01	-1.65E-03	-4.33E-03	3.91E-03
1.95E+01	-2.11E-03	-5.02E-03	7.60E-03
1.95E+01	-3.13E-03	-5.84E-03	1.05E-02
1.95E+01	-4.67E-03	-7.05E-03	1.23E-02
1.95E+01	-6.72E-03	-8.85E-03	1.27E-02
1.95E+01	-8.96E-03	-1.07E-02	1.22E-02
1.96E+01	-1.11E-02	-1.23E-02	1.07E-02
1.96E+01	-1.26E-02	-1.32E-02	8.65E-03
1.96E+01	-1.33E-02	-1.33E-02	6.97E-03
1.96E+01	-1.35E-02	-1.30E-02	5.28E-03
1.96E+01	-1.31E-02	-1.24E-02	2.74E-03
1.96E+01	-1.22E-02	-1.17E-02	-7.43E-04
1.96E+01	-1.07E-02	-1.07E-02	-4.17E-03
1.96E+01	-8.37E-03	-8.96E-03	-6.65E-03
1.96E+01	-5.58E-03	-6.84E-03	-8.22E-03
1.96E+01	-2.75E-03	-4.36E-03	-9.14E-03
1.96E+01	-1.64E-04	-1.61E-03	-1.02E-02
1.96E+01	1.96E-03	1.12E-03	-1.19E-02
1.96E+01	3.46E-03	3.69E-03	-1.39E-02
1.96E+01	4.29E-03	6.02E-03	-1.52E-02
1.96E+01	4.33E-03	8.03E-03	-1.57E-02
1.96E+01	3.62E-03	9.74E-03	-1.48E-02
1.96E+01	2.36E-03	1.11E-02	-1.21E-02
1.96E+01	5.28E-04	1.19E-02	-8.30E-03
1.96E+01	-1.75E-03	1.21E-02	-4.08E-03
1.96E+01	-4.21E-03	1.19E-02	-2.34E-04
1.97E+01	-6.48E-03	1.18E-02	2.77E-03
1.97E+01	-8.00E-03	1.19E-02	4.88E-03
1.97E+01	-8.56E-03	1.21E-02	5.90E-03
1.97E+01	-8.19E-03	1.23E-02	5.96E-03
1.97E+01	-6.97E-03	1.22E-02	5.67E-03
1.97E+01	-5.16E-03	1.16E-02	5.91E-03
1.97E+01	-3.01E-03	1.04E-02	6.99E-03
1.97E+01	-8.54E-04	8.86E-03	8.69E-03
1.97E+01	1.11E-03	7.47E-03	1.07E-02
1.97E+01	2.92E-03	6.53E-03	1.22E-02
1.97E+01	4.32E-03	5.99E-03	1.29E-02
1.97E+01	5.18E-03	5.96E-03	1.28E-02
1.97E+01	5.70E-03	6.47E-03	1.19E-02
1.97E+01	6.13E-03	7.09E-03	1.05E-02

1.97E+01	6.63E-03	7.68E-03	9.82E-03
1.97E+01	7.17E-03	8.25E-03	1.03E-02
1.97E+01	7.77E-03	8.68E-03	1.08E-02
1.97E+01	8.43E-03	8.81E-03	9.69E-03
1.97E+01	9.24E-03	8.68E-03	6.70E-03
1.97E+01	1.03E-02	8.44E-03	2.85E-03
1.98E+01	1.13E-02	8.06E-03	-7.82E-04
1.98E+01	1.22E-02	7.58E-03	-3.54E-03
1.98E+01	1.29E-02	6.83E-03	-5.21E-03
1.98E+01	1.30E-02	5.56E-03	-5.57E-03
1.98E+01	1.23E-02	3.67E-03	-4.51E-03
1.98E+01	1.09E-02	1.38E-03	-2.29E-03
1.98E+01	9.04E-03	-6.54E-04	7.44E-04
1.98E+01	6.87E-03	-2.02E-03	3.66E-03
1.98E+01	4.68E-03	-2.39E-03	5.72E-03
1.98E+01	2.78E-03	-1.76E-03	7.33E-03
1.98E+01	1.28E-03	-5.09E-04	9.14E-03
1.98E+01	2.22E-04	1.34E-03	1.14E-02
1.98E+01	-3.61E-04	3.09E-03	1.36E-02
1.98E+01	-5.04E-04	4.01E-03	1.56E-02
1.98E+01	-4.14E-04	3.92E-03	1.67E-02
1.98E+01	-3.13E-04	2.84E-03	1.60E-02
1.98E+01	-1.02E-04	1.68E-03	1.38E-02
1.98E+01	3.10E-04	1.10E-03	1.07E-02
1.98E+01	7.62E-04	9.33E-04	7.45E-03
1.98E+01	1.09E-03	9.80E-04	4.70E-03
1.99E+01	1.21E-03	1.05E-03	2.16E-03
1.99E+01	1.01E-03	9.24E-04	-6.24E-04
1.99E+01	3.27E-04	5.30E-04	-3.84E-03
1.99E+01	-8.36E-04	-5.78E-05	-7.32E-03
1.99E+01	-2.24E-03	-5.14E-04	-1.07E-02
1.99E+01	-3.61E-03	-3.20E-04	-1.39E-02
1.99E+01	-4.96E-03	6.89E-04	-1.72E-02
1.99E+01	-6.31E-03	2.37E-03	-2.02E-02
1.99E+01	-7.63E-03	4.50E-03	-2.25E-02
1.99E+01	-8.91E-03	6.64E-03	-2.32E-02
1.99E+01	-1.01E-02	8.49E-03	-2.20E-02
1.99E+01	-1.09E-02	9.97E-03	-1.90E-02
1.99E+01	-1.12E-02	1.09E-02	-1.49E-02
1.99E+01	-1.12E-02	1.12E-02	-1.12E-02
1.99E+01	-1.09E-02	1.13E-02	-8.82E-03
1.99E+01	-1.04E-02	1.12E-02	-7.59E-03
1.99E+01	-9.68E-03	1.11E-02	-6.66E-03
1.99E+01	-9.02E-03	1.07E-02	-4.85E-03
1.99E+01	-8.50E-03	1.01E-02	-1.43E-03
1.99E+01	-8.03E-03	8.99E-03	4.04E-03
2.00E+01	-7.64E-03	7.44E-03	1.18E-02

2.00E+01	-7.42E-03	5.67E-03	2.07E-02
2.00E+01	-7.36E-03	3.78E-03	2.88E-02
2.00E+01	-7.33E-03	1.98E-03	3.51E-02
2.00E+01	-7.12E-03	6.02E-04	3.91E-02
2.00E+01	-6.68E-03	-3.37E-04	4.07E-02
2.00E+01	-5.92E-03	-7.02E-04	4.03E-02
2.00E+01	-4.53E-03	-4.25E-04	3.84E-02
2.00E+01	-2.46E-03	2.59E-04	3.58E-02
2.00E+01	9.16E-06	9.90E-04	3.30E-02
2.00E+01	2.46E-03	1.31E-03	2.94E-02
2.00E+01	4.75E-03	1.19E-03	2.46E-02
2.00E+01	6.95E-03	1.13E-03	1.93E-02
2.00E+01	9.00E-03	1.58E-03	1.44E-02
2.00E+01	1.08E-02	2.57E-03	9.63E-03
2.00E+01	1.23E-02	3.88E-03	4.66E-03
2.00E+01	1.34E-02	5.42E-03	-5.56E-04
2.00E+01	1.43E-02	6.98E-03	-5.98E-03
2.00E+01	1.49E-02	7.95E-03	-1.16E-02
2.00E+01	1.54E-02	8.19E-03	-1.70E-02
2.01E+01	1.61E-02	7.99E-03	-2.14E-02
2.01E+01	1.73E-02	7.57E-03	-2.42E-02
2.01E+01	1.88E-02	6.99E-03	-2.56E-02
2.01E+01	2.08E-02	6.15E-03	-2.62E-02
2.01E+01	2.31E-02	5.16E-03	-2.56E-02
2.01E+01	2.55E-02	4.16E-03	-2.34E-02
2.01E+01	2.78E-02	2.97E-03	-1.92E-02
2.01E+01	2.99E-02	1.23E-03	-1.35E-02
2.01E+01	3.17E-02	-1.15E-03	-7.07E-03
2.01E+01	3.31E-02	-3.99E-03	-8.29E-04
2.01E+01	3.40E-02	-7.12E-03	4.74E-03
2.01E+01	3.45E-02	-1.03E-02	9.26E-03
2.01E+01	3.44E-02	-1.34E-02	1.15E-02
2.01E+01	3.38E-02	-1.64E-02	1.08E-02
2.01E+01	3.27E-02	-1.88E-02	8.08E-03
2.01E+01	3.13E-02	-2.04E-02	5.35E-03
2.01E+01	2.97E-02	-2.16E-02	3.37E-03
2.01E+01	2.81E-02	-2.28E-02	2.18E-03
2.01E+01	2.63E-02	-2.41E-02	1.84E-03
2.01E+01	2.46E-02	-2.52E-02	2.71E-03
2.02E+01	2.29E-02	-2.59E-02	4.91E-03
2.02E+01	2.14E-02	-2.62E-02	7.82E-03
2.02E+01	1.97E-02	-2.56E-02	1.06E-02
2.02E+01	1.76E-02	-2.41E-02	1.21E-02
2.02E+01	1.48E-02	-2.18E-02	1.17E-02
2.02E+01	1.12E-02	-1.86E-02	9.59E-03
2.02E+01	7.07E-03	-1.47E-02	7.43E-03
2.02E+01	2.61E-03	-1.03E-02	6.44E-03

2.02E+01	-2.16E-03	-5.87E-03	6.49E-03
2.02E+01	-6.98E-03	-2.03E-03	7.22E-03
2.02E+01	-1.17E-02	1.11E-03	8.53E-03
2.02E+01	-1.61E-02	3.71E-03	9.59E-03
2.02E+01	-2.01E-02	6.00E-03	9.49E-03
2.02E+01	-2.39E-02	8.35E-03	7.69E-03
2.02E+01	-2.71E-02	1.07E-02	4.12E-03
2.02E+01	-2.94E-02	1.32E-02	-3.20E-04
2.02E+01	-3.10E-02	1.61E-02	-4.35E-03
2.02E+01	-3.18E-02	1.89E-02	-6.63E-03
2.02E+01	-3.22E-02	2.17E-02	-7.23E-03
2.02E+01	-3.23E-02	2.37E-02	-7.55E-03
2.03E+01	-3.22E-02	2.49E-02	-8.05E-03
2.03E+01	-3.20E-02	2.57E-02	-8.75E-03
2.03E+01	-3.14E-02	2.61E-02	-9.51E-03
2.03E+01	-3.04E-02	2.66E-02	-9.79E-03
2.03E+01	-2.89E-02	2.70E-02	-9.32E-03
2.03E+01	-2.69E-02	2.73E-02	-7.73E-03
2.03E+01	-2.46E-02	2.70E-02	-4.78E-03
2.03E+01	-2.24E-02	2.61E-02	-9.08E-04
2.03E+01	-2.03E-02	2.48E-02	3.13E-03
2.03E+01	-1.84E-02	2.34E-02	6.80E-03
2.03E+01	-1.69E-02	2.21E-02	9.19E-03
2.03E+01	-1.56E-02	2.12E-02	9.50E-03
2.03E+01	-1.45E-02	2.07E-02	8.32E-03
2.03E+01	-1.36E-02	2.11E-02	6.68E-03
2.03E+01	-1.26E-02	2.22E-02	4.84E-03
2.03E+01	-1.19E-02	2.35E-02	2.56E-03
2.03E+01	-1.13E-02	2.50E-02	3.13E-05
2.03E+01	-1.07E-02	2.64E-02	-2.57E-03
2.03E+01	-1.01E-02	2.79E-02	-5.81E-03
2.03E+01	-9.29E-03	2.90E-02	-1.00E-02
2.04E+01	-8.16E-03	2.99E-02	-1.48E-02
2.04E+01	-6.32E-03	3.07E-02	-1.92E-02
2.04E+01	-3.89E-03	3.13E-02	-2.20E-02
2.04E+01	-1.01E-03	3.15E-02	-2.28E-02
2.04E+01	2.14E-03	3.11E-02	-2.22E-02
2.04E+01	5.24E-03	2.99E-02	-2.06E-02
2.04E+01	8.26E-03	2.77E-02	-1.84E-02
2.04E+01	1.09E-02	2.48E-02	-1.60E-02
2.04E+01	1.30E-02	2.16E-02	-1.37E-02
2.04E+01	1.48E-02	1.86E-02	-1.20E-02
2.04E+01	1.63E-02	1.60E-02	-1.05E-02
2.04E+01	1.72E-02	1.40E-02	-8.55E-03
2.04E+01	1.75E-02	1.24E-02	-6.14E-03
2.04E+01	1.74E-02	1.11E-02	-2.95E-03
2.04E+01	1.71E-02	9.98E-03	6.94E-04

2.04E+01	1.64E-02	8.92E-03	3.40E-03
2.04E+01	1.54E-02	7.85E-03	4.29E-03
2.04E+01	1.44E-02	6.96E-03	3.82E-03
2.04E+01	1.34E-02	6.53E-03	2.40E-03
2.04E+01	1.26E-02	6.24E-03	3.67E-04
2.05E+01	1.17E-02	5.74E-03	-1.38E-03
2.05E+01	1.07E-02	4.87E-03	-2.64E-03
2.05E+01	9.58E-03	3.36E-03	-3.32E-03
2.05E+01	8.22E-03	1.55E-03	-2.94E-03
2.05E+01	6.71E-03	-5.67E-04	-1.68E-03
2.05E+01	5.25E-03	-3.04E-03	5.74E-05
2.05E+01	4.04E-03	-5.34E-03	1.95E-03
2.05E+01	3.05E-03	-7.53E-03	3.13E-03
2.05E+01	2.34E-03	-9.72E-03	2.79E-03
2.05E+01	2.02E-03	-1.16E-02	1.21E-03
2.05E+01	2.04E-03	-1.28E-02	-4.57E-04
2.05E+01	2.44E-03	-1.35E-02	-1.17E-03
2.05E+01	3.30E-03	-1.38E-02	-9.53E-04
2.05E+01	4.53E-03	-1.39E-02	-1.24E-04
2.05E+01	5.89E-03	-1.39E-02	1.64E-03
2.05E+01	7.23E-03	-1.36E-02	3.69E-03
2.05E+01	8.40E-03	-1.33E-02	5.03E-03
2.05E+01	9.42E-03	-1.30E-02	5.19E-03
2.05E+01	1.05E-02	-1.27E-02	3.60E-03
2.05E+01	1.16E-02	-1.25E-02	8.31E-04
2.06E+01	1.28E-02	-1.22E-02	-2.40E-03
2.06E+01	1.44E-02	-1.19E-02	-6.19E-03
2.06E+01	1.65E-02	-1.18E-02	-1.03E-02
2.06E+01	1.90E-02	-1.20E-02	-1.40E-02
2.06E+01	2.20E-02	-1.24E-02	-1.70E-02
2.06E+01	2.54E-02	-1.31E-02	-1.90E-02
2.06E+01	2.91E-02	-1.37E-02	-1.89E-02
2.06E+01	3.28E-02	-1.38E-02	-1.65E-02
2.06E+01	3.66E-02	-1.37E-02	-1.24E-02
2.06E+01	4.00E-02	-1.29E-02	-7.16E-03
2.06E+01	4.26E-02	-1.19E-02	-2.85E-03
2.06E+01	4.47E-02	-1.07E-02	-8.26E-04
2.06E+01	4.60E-02	-9.21E-03	-7.91E-04
2.06E+01	4.69E-02	-7.54E-03	-2.20E-03
2.06E+01	4.72E-02	-5.64E-03	-4.56E-03
2.06E+01	4.71E-02	-3.66E-03	-7.13E-03
2.06E+01	4.66E-02	-1.71E-03	-8.86E-03
2.06E+01	4.56E-02	1.81E-04	-9.27E-03
2.06E+01	4.40E-02	1.87E-03	-9.60E-03
2.06E+01	4.18E-02	3.31E-03	-1.15E-02
2.07E+01	3.90E-02	4.57E-03	-1.52E-02
2.07E+01	3.59E-02	6.07E-03	-2.03E-02

2.07E+01	3.29E-02	8.20E-03	-2.50E-02
2.07E+01	3.03E-02	1.10E-02	-2.85E-02
2.07E+01	2.78E-02	1.39E-02	-3.12E-02
2.07E+01	2.52E-02	1.66E-02	-3.33E-02
2.07E+01	2.20E-02	1.89E-02	-3.47E-02
2.07E+01	1.77E-02	2.03E-02	-3.56E-02
2.07E+01	1.19E-02	2.07E-02	-3.63E-02
2.07E+01	4.82E-03	2.06E-02	-3.67E-02
2.07E+01	-3.08E-03	2.10E-02	-3.67E-02
2.07E+01	-1.15E-02	2.20E-02	-3.59E-02
2.07E+01	-1.99E-02	2.33E-02	-3.41E-02
2.07E+01	-2.79E-02	2.46E-02	-3.02E-02
2.07E+01	-3.52E-02	2.54E-02	-2.39E-02
2.07E+01	-4.19E-02	2.52E-02	-1.71E-02
2.07E+01	-4.80E-02	2.38E-02	-1.17E-02
2.07E+01	-5.36E-02	2.19E-02	-7.94E-03
2.07E+01	-5.82E-02	1.97E-02	-6.02E-03
2.07E+01	-6.20E-02	1.75E-02	-5.97E-03
2.08E+01	-6.51E-02	1.56E-02	-7.94E-03
2.08E+01	-6.76E-02	1.41E-02	-1.16E-02
2.08E+01	-6.95E-02	1.30E-02	-1.58E-02
2.08E+01	-7.12E-02	1.18E-02	-1.98E-02
2.08E+01	-7.29E-02	1.05E-02	-2.31E-02
2.08E+01	-7.39E-02	9.27E-03	-2.48E-02
2.08E+01	-7.43E-02	7.77E-03	-2.51E-02
2.08E+01	-7.40E-02	6.14E-03	-2.41E-02
2.08E+01	-7.30E-02	4.78E-03	-2.17E-02
2.08E+01	-7.14E-02	3.81E-03	-1.80E-02
2.08E+01	-6.87E-02	3.58E-03	-1.37E-02
2.08E+01	-6.55E-02	4.23E-03	-8.99E-03
2.08E+01	-6.18E-02	5.76E-03	-4.37E-03
2.08E+01	-5.73E-02	8.02E-03	-2.04E-04
2.08E+01	-5.16E-02	1.06E-02	3.51E-03
2.08E+01	-4.44E-02	1.34E-02	7.26E-03
2.08E+01	-3.58E-02	1.64E-02	1.12E-02
2.08E+01	-2.65E-02	1.90E-02	1.48E-02
2.08E+01	-1.71E-02	2.08E-02	1.74E-02
2.08E+01	-7.79E-03	2.15E-02	1.82E-02
2.09E+01	1.18E-03	2.10E-02	1.72E-02
2.09E+01	9.72E-03	1.94E-02	1.48E-02
2.09E+01	1.78E-02	1.68E-02	1.15E-02
2.09E+01	2.53E-02	1.33E-02	8.56E-03
2.09E+01	3.23E-02	9.20E-03	6.73E-03
2.09E+01	3.86E-02	4.90E-03	4.99E-03
2.09E+01	4.41E-02	5.03E-04	2.88E-03
2.09E+01	4.91E-02	-3.78E-03	5.64E-04
2.09E+01	5.32E-02	-8.01E-03	-1.67E-03

2.09E+01	5.64E-02	-1.26E-02	-2.88E-03
2.09E+01	5.86E-02	-1.73E-02	-3.04E-03
2.09E+01	6.00E-02	-2.22E-02	-2.45E-03
2.09E+01	6.02E-02	-2.73E-02	-7.27E-04
2.09E+01	5.97E-02	-3.24E-02	2.01E-03
2.09E+01	5.82E-02	-3.75E-02	5.52E-03
2.09E+01	5.61E-02	-4.23E-02	9.43E-03
2.09E+01	5.35E-02	-4.65E-02	1.39E-02
2.09E+01	5.05E-02	-4.97E-02	1.90E-02
2.09E+01	4.76E-02	-5.21E-02	2.37E-02
2.09E+01	4.46E-02	-5.40E-02	2.79E-02
2.10E+01	4.15E-02	-5.46E-02	3.20E-02
2.10E+01	3.86E-02	-5.45E-02	3.50E-02
2.10E+01	3.52E-02	-5.36E-02	3.65E-02
2.10E+01	3.14E-02	-5.16E-02	3.60E-02
2.10E+01	2.70E-02	-4.89E-02	3.41E-02
2.10E+01	2.22E-02	-4.50E-02	3.09E-02
2.10E+01	1.74E-02	-4.03E-02	2.65E-02
2.10E+01	1.22E-02	-3.55E-02	2.24E-02
2.10E+01	6.50E-03	-2.98E-02	1.97E-02
2.10E+01	7.80E-04	-2.40E-02	1.74E-02
2.10E+01	-4.66E-03	-1.86E-02	1.47E-02
2.10E+01	-9.46E-03	-1.34E-02	1.15E-02
2.10E+01	-1.36E-02	-8.37E-03	7.55E-03
2.10E+01	-1.67E-02	-3.76E-03	3.14E-03
2.10E+01	-1.86E-02	7.14E-04	-9.44E-04
2.10E+01	-1.95E-02	4.83E-03	-4.35E-03
2.10E+01	-1.92E-02	8.77E-03	-6.68E-03
2.10E+01	-1.79E-02	1.26E-02	-7.26E-03
2.10E+01	-1.53E-02	1.59E-02	-5.92E-03
2.10E+01	-1.11E-02	1.82E-02	-3.16E-03
2.11E+01	-6.10E-03	1.88E-02	-2.85E-04
2.11E+01	-1.72E-03	1.80E-02	1.99E-03
2.11E+01	1.43E-03	1.64E-02	4.27E-03
2.11E+01	3.60E-03	1.40E-02	7.08E-03
2.11E+01	5.39E-03	1.13E-02	1.08E-02
2.11E+01	7.05E-03	8.47E-03	1.50E-02
2.11E+01	8.37E-03	5.37E-03	1.91E-02
2.11E+01	9.19E-03	2.12E-03	2.36E-02
2.11E+01	9.62E-03	-1.20E-03	2.77E-02
2.11E+01	1.02E-02	-4.84E-03	3.04E-02
2.11E+01	1.11E-02	-8.53E-03	3.20E-02
2.11E+01	1.23E-02	-1.18E-02	3.24E-02
2.11E+01	1.36E-02	-1.44E-02	3.15E-02
2.11E+01	1.55E-02	-1.62E-02	2.94E-02
2.11E+01	1.77E-02	-1.68E-02	2.71E-02
2.11E+01	1.98E-02	-1.60E-02	2.52E-02

2.11E+01	2.21E-02	-1.42E-02	2.41E-02
2.11E+01	2.40E-02	-1.15E-02	2.33E-02
2.11E+01	2.53E-02	-8.45E-03	2.17E-02
2.11E+01	2.61E-02	-5.36E-03	1.95E-02
2.12E+01	2.64E-02	-1.65E-03	1.71E-02
2.12E+01	2.61E-02	2.48E-03	1.47E-02
2.12E+01	2.50E-02	6.74E-03	1.25E-02
2.12E+01	2.30E-02	1.12E-02	9.88E-03
2.12E+01	2.02E-02	1.56E-02	6.79E-03
2.12E+01	1.65E-02	1.93E-02	3.17E-03
2.12E+01	1.24E-02	2.21E-02	-4.98E-04
2.12E+01	7.61E-03	2.42E-02	-3.41E-03
2.12E+01	2.37E-03	2.53E-02	-6.16E-03
2.12E+01	-3.01E-03	2.54E-02	-9.34E-03
2.12E+01	-8.35E-03	2.42E-02	-1.26E-02
2.12E+01	-1.26E-02	2.23E-02	-1.46E-02
2.12E+01	-1.58E-02	1.99E-02	-1.42E-02
2.12E+01	-1.80E-02	1.67E-02	-1.12E-02
2.12E+01	-1.90E-02	1.35E-02	-6.78E-03
2.12E+01	-1.98E-02	9.77E-03	-2.67E-03
2.12E+01	-2.04E-02	5.40E-03	2.04E-04
2.12E+01	-2.08E-02	9.67E-04	1.58E-03
2.12E+01	-2.15E-02	-3.39E-03	1.58E-03
2.12E+01	-2.23E-02	-7.50E-03	8.52E-04
2.13E+01	-2.31E-02	-1.16E-02	4.12E-04
2.13E+01	-2.40E-02	-1.56E-02	6.36E-04
2.13E+01	-2.52E-02	-1.96E-02	1.09E-03
2.13E+01	-2.72E-02	-2.39E-02	1.64E-03
2.13E+01	-2.96E-02	-2.79E-02	2.22E-03
2.13E+01	-3.22E-02	-3.13E-02	2.27E-03
2.13E+01	-3.45E-02	-3.44E-02	1.85E-03
2.13E+01	-3.63E-02	-3.67E-02	1.50E-03
2.13E+01	-3.78E-02	-3.78E-02	1.71E-03
2.13E+01	-3.91E-02	-3.80E-02	3.40E-03
2.13E+01	-4.03E-02	-3.75E-02	6.90E-03
2.13E+01	-4.11E-02	-3.68E-02	1.10E-02
2.13E+01	-4.15E-02	-3.61E-02	1.39E-02
2.13E+01	-4.16E-02	-3.56E-02	1.48E-02
2.13E+01	-4.13E-02	-3.48E-02	1.40E-02
2.13E+01	-4.02E-02	-3.36E-02	1.18E-02
2.13E+01	-3.80E-02	-3.13E-02	8.34E-03
2.13E+01	-3.48E-02	-2.80E-02	4.17E-03
2.13E+01	-3.10E-02	-2.36E-02	-4.38E-04
2.13E+01	-2.68E-02	-1.87E-02	-5.13E-03
2.14E+01	-2.30E-02	-1.40E-02	-1.00E-02
2.14E+01	-1.95E-02	-9.57E-03	-1.63E-02
2.14E+01	-1.66E-02	-5.29E-03	-2.37E-02

2.14E+01	-1.43E-02	-1.38E-03	-3.11E-02
2.14E+01	-1.26E-02	2.16E-03	-3.81E-02
2.14E+01	-1.13E-02	5.15E-03	-4.37E-02
2.14E+01	-1.02E-02	7.91E-03	-4.69E-02
2.14E+01	-9.35E-03	1.03E-02	-4.81E-02
2.14E+01	-9.09E-03	1.18E-02	-4.79E-02
2.14E+01	-9.63E-03	1.22E-02	-4.62E-02
2.14E+01	-1.08E-02	1.17E-02	-4.32E-02
2.14E+01	-1.24E-02	1.05E-02	-3.94E-02
2.14E+01	-1.42E-02	8.90E-03	-3.53E-02
2.14E+01	-1.61E-02	7.38E-03	-2.95E-02
2.14E+01	-1.77E-02	6.62E-03	-2.13E-02
2.14E+01	-1.92E-02	6.61E-03	-1.20E-02
2.14E+01	-2.06E-02	6.69E-03	-2.85E-03
2.14E+01	-2.23E-02	6.75E-03	5.57E-03
2.14E+01	-2.41E-02	6.92E-03	1.22E-02
2.14E+01	-2.60E-02	7.09E-03	1.63E-02
2.15E+01	-2.77E-02	7.47E-03	1.78E-02
2.15E+01	-2.90E-02	8.51E-03	1.72E-02
2.15E+01	-3.00E-02	1.04E-02	1.44E-02
2.15E+01	-3.05E-02	1.28E-02	8.09E-03
2.15E+01	-3.01E-02	1.54E-02	-9.21E-04
2.15E+01	-2.90E-02	1.82E-02	-9.87E-03
2.15E+01	-2.69E-02	2.08E-02	-1.77E-02
2.15E+01	-2.45E-02	2.26E-02	-2.38E-02
2.15E+01	-2.19E-02	2.39E-02	-2.76E-02
2.15E+01	-1.87E-02	2.56E-02	-2.87E-02
2.15E+01	-1.52E-02	2.75E-02	-2.65E-02
2.15E+01	-1.17E-02	3.00E-02	-2.19E-02
2.15E+01	-8.61E-03	3.26E-02	-1.68E-02
2.15E+01	-6.16E-03	3.51E-02	-1.19E-02
2.15E+01	-4.35E-03	3.77E-02	-7.04E-03
2.15E+01	-3.34E-03	3.99E-02	-2.38E-03
2.15E+01	-3.57E-03	4.13E-02	1.76E-03
2.15E+01	-4.96E-03	4.17E-02	5.14E-03
2.15E+01	-7.64E-03	4.11E-02	7.84E-03
2.15E+01	-1.19E-02	3.90E-02	9.47E-03
2.16E+01	-1.73E-02	3.54E-02	9.91E-03
2.16E+01	-2.33E-02	3.05E-02	9.07E-03
2.16E+01	-2.94E-02	2.52E-02	6.43E-03
2.16E+01	-3.52E-02	1.99E-02	2.18E-03
2.16E+01	-4.02E-02	1.51E-02	-2.52E-03
2.16E+01	-4.40E-02	1.11E-02	-5.96E-03
2.16E+01	-4.65E-02	7.90E-03	-6.95E-03
2.16E+01	-4.80E-02	5.06E-03	-5.71E-03
2.16E+01	-4.84E-02	2.47E-03	-3.60E-03
2.16E+01	-4.81E-02	-2.11E-04	-1.78E-03

2.16E+01	-4.74E-02	-2.99E-03	-3.47E-04
2.16E+01	-4.63E-02	-5.22E-03	8.95E-04
2.16E+01	-4.51E-02	-6.55E-03	2.07E-03
2.16E+01	-4.41E-02	-6.83E-03	3.46E-03
2.16E+01	-4.32E-02	-6.02E-03	5.46E-03
2.16E+01	-4.27E-02	-4.40E-03	7.82E-03
2.16E+01	-4.29E-02	-2.48E-03	9.96E-03
2.16E+01	-4.34E-02	-5.96E-04	1.17E-02
2.16E+01	-4.41E-02	1.22E-03	1.34E-02
2.16E+01	-4.51E-02	2.80E-03	1.50E-02
2.17E+01	-4.62E-02	4.15E-03	1.53E-02
2.17E+01	-4.74E-02	5.54E-03	1.38E-02
2.17E+01	-4.86E-02	7.20E-03	1.07E-02
2.17E+01	-4.94E-02	9.18E-03	7.26E-03
2.17E+01	-4.97E-02	1.13E-02	4.40E-03
2.17E+01	-4.91E-02	1.33E-02	2.95E-03
2.17E+01	-4.72E-02	1.47E-02	2.71E-03
2.17E+01	-4.44E-02	1.51E-02	2.59E-03
2.17E+01	-4.06E-02	1.46E-02	1.60E-03
2.17E+01	-3.54E-02	1.34E-02	-7.23E-04
2.17E+01	-2.90E-02	1.17E-02	-4.27E-03
2.17E+01	-2.16E-02	9.87E-03	-8.56E-03
2.17E+01	-1.36E-02	7.83E-03	-1.31E-02
2.17E+01	-4.90E-03	5.43E-03	-1.73E-02
2.17E+01	4.02E-03	2.68E-03	-2.01E-02
2.17E+01	1.27E-02	-6.67E-04	-2.06E-02
2.17E+01	2.10E-02	-4.65E-03	-1.87E-02
2.17E+01	2.86E-02	-9.16E-03	-1.47E-02
2.17E+01	3.54E-02	-1.41E-02	-9.31E-03
2.17E+01	4.13E-02	-1.93E-02	-4.12E-03
2.18E+01	4.56E-02	-2.47E-02	2.04E-04
2.18E+01	4.88E-02	-3.00E-02	3.27E-03
2.18E+01	5.12E-02	-3.49E-02	5.91E-03
2.18E+01	5.25E-02	-3.95E-02	1.02E-02
2.18E+01	5.25E-02	-4.38E-02	1.62E-02
2.18E+01	5.17E-02	-4.80E-02	2.30E-02
2.18E+01	4.98E-02	-5.26E-02	3.04E-02
2.18E+01	4.67E-02	-5.73E-02	3.74E-02
2.18E+01	4.32E-02	-6.17E-02	4.29E-02
2.18E+01	3.94E-02	-6.59E-02	4.73E-02
2.18E+01	3.57E-02	-6.94E-02	5.09E-02
2.18E+01	3.24E-02	-7.16E-02	5.36E-02
2.18E+01	2.95E-02	-7.26E-02	5.49E-02
2.18E+01	2.71E-02	-7.29E-02	5.47E-02
2.18E+01	2.52E-02	-7.23E-02	5.24E-02
2.18E+01	2.38E-02	-7.11E-02	4.77E-02
2.18E+01	2.27E-02	-6.94E-02	4.14E-02

2.18E+01	2.18E-02	-6.67E-02	3.40E-02
2.18E+01	2.14E-02	-6.35E-02	2.52E-02
2.18E+01	2.14E-02	-6.01E-02	1.57E-02
2.19E+01	2.13E-02	-5.59E-02	6.47E-03
2.19E+01	2.13E-02	-5.11E-02	-1.54E-03
2.19E+01	2.08E-02	-4.63E-02	-7.83E-03
2.19E+01	1.94E-02	-4.15E-02	-1.26E-02
2.19E+01	1.72E-02	-3.73E-02	-1.63E-02
2.19E+01	1.44E-02	-3.36E-02	-1.82E-02
2.19E+01	1.13E-02	-3.05E-02	-1.76E-02
2.19E+01	7.95E-03	-2.87E-02	-1.49E-02
2.19E+01	4.94E-03	-2.68E-02	-1.02E-02
2.19E+01	2.13E-03	-2.52E-02	-3.49E-03
2.19E+01	-5.40E-04	-2.43E-02	4.56E-03
2.19E+01	-2.67E-03	-2.31E-02	1.33E-02
2.19E+01	-4.05E-03	-2.31E-02	2.19E-02
2.19E+01	-4.64E-03	-2.38E-02	2.99E-02
2.19E+01	-5.14E-03	-2.50E-02	3.60E-02
2.19E+01	-5.71E-03	-2.71E-02	3.86E-02
2.19E+01	-6.07E-03	-2.95E-02	3.87E-02
2.19E+01	-6.27E-03	-3.17E-02	3.73E-02
2.19E+01	-5.96E-03	-3.33E-02	3.54E-02
2.19E+01	-5.11E-03	-3.38E-02	3.40E-02
2.20E+01	-3.68E-03	-3.25E-02	3.39E-02
2.20E+01	-1.77E-03	-2.96E-02	3.53E-02
2.20E+01	2.16E-04	-2.55E-02	3.71E-02
2.20E+01	1.95E-03	-2.06E-02	3.83E-02
2.20E+01	3.24E-03	-1.50E-02	3.91E-02
2.20E+01	4.36E-03	-8.57E-03	3.92E-02
2.20E+01	5.23E-03	-1.76E-03	3.81E-02
2.20E+01	5.89E-03	5.17E-03	3.64E-02
2.20E+01	6.61E-03	1.27E-02	3.54E-02
2.20E+01	7.26E-03	2.06E-02	3.51E-02
2.20E+01	8.08E-03	2.80E-02	3.52E-02
2.20E+01	8.83E-03	3.45E-02	3.63E-02
2.20E+01	9.17E-03	4.00E-02	3.72E-02
2.20E+01	9.17E-03	4.39E-02	3.68E-02
2.20E+01	8.68E-03	4.66E-02	3.53E-02
2.20E+01	7.60E-03	4.82E-02	3.28E-02
2.20E+01	6.00E-03	4.86E-02	2.91E-02
2.20E+01	4.12E-03	4.85E-02	2.58E-02
2.20E+01	1.66E-03	4.77E-02	2.39E-02
2.20E+01	-1.62E-03	4.56E-02	2.22E-02
2.21E+01	-5.43E-03	4.22E-02	2.08E-02
2.21E+01	-9.64E-03	3.78E-02	2.02E-02
2.21E+01	-1.43E-02	3.31E-02	2.00E-02
2.21E+01	-1.92E-02	2.82E-02	1.96E-02

2.21E+01	-2.38E-02	2.37E-02	1.88E-02
2.21E+01	-2.78E-02	2.01E-02	1.77E-02
2.21E+01	-3.15E-02	1.71E-02	1.62E-02
2.21E+01	-3.47E-02	1.47E-02	1.47E-02
2.21E+01	-3.74E-02	1.29E-02	1.39E-02
2.21E+01	-3.94E-02	1.16E-02	1.40E-02
2.21E+01	-4.05E-02	1.06E-02	1.54E-02
2.21E+01	-4.08E-02	9.98E-03	1.83E-02
2.21E+01	-4.00E-02	1.02E-02	2.22E-02
2.21E+01	-3.76E-02	1.15E-02	2.62E-02
2.21E+01	-3.31E-02	1.42E-02	2.96E-02
2.21E+01	-2.69E-02	1.77E-02	3.19E-02
2.21E+01	-1.93E-02	2.18E-02	3.31E-02
2.21E+01	-1.07E-02	2.53E-02	3.34E-02
2.21E+01	-2.16E-03	2.80E-02	3.35E-02
2.21E+01	6.06E-03	3.03E-02	3.37E-02
2.22E+01	1.40E-02	3.20E-02	3.38E-02
2.22E+01	2.10E-02	3.29E-02	3.37E-02
2.22E+01	2.70E-02	3.38E-02	3.26E-02
2.22E+01	3.23E-02	3.48E-02	3.07E-02
2.22E+01	3.64E-02	3.57E-02	2.83E-02
2.22E+01	3.93E-02	3.69E-02	2.54E-02
2.22E+01	4.05E-02	3.86E-02	2.21E-02
2.22E+01	4.04E-02	4.01E-02	1.85E-02
2.22E+01	3.98E-02	4.10E-02	1.54E-02
2.22E+01	3.80E-02	4.16E-02	1.24E-02
2.22E+01	3.50E-02	4.20E-02	8.49E-03
2.22E+01	3.12E-02	4.15E-02	4.15E-03
2.22E+01	2.67E-02	4.02E-02	-4.61E-04
2.22E+01	2.22E-02	3.85E-02	-6.15E-03
2.22E+01	1.79E-02	3.64E-02	-1.31E-02
2.22E+01	1.44E-02	3.38E-02	-1.99E-02
2.22E+01	1.21E-02	3.12E-02	-2.66E-02
2.22E+01	1.14E-02	2.85E-02	-3.33E-02
2.22E+01	1.25E-02	2.54E-02	-3.81E-02
2.22E+01	1.50E-02	2.23E-02	-4.10E-02
2.23E+01	1.90E-02	1.93E-02	-4.30E-02
2.23E+01	2.38E-02	1.64E-02	-4.43E-02
2.23E+01	2.87E-02	1.45E-02	-4.58E-02
2.23E+01	3.32E-02	1.36E-02	-4.79E-02
2.23E+01	3.70E-02	1.35E-02	-5.07E-02
2.23E+01	4.00E-02	1.43E-02	-5.35E-02
2.23E+01	4.18E-02	1.59E-02	-5.54E-02
2.23E+01	4.24E-02	1.81E-02	-5.62E-02
2.23E+01	4.17E-02	2.04E-02	-5.52E-02
2.23E+01	3.95E-02	2.26E-02	-5.26E-02
2.23E+01	3.52E-02	2.42E-02	-4.90E-02

2.23E+01	2.86E-02	2.49E-02	-4.55E-02
2.23E+01	1.96E-02	2.48E-02	-4.25E-02
2.23E+01	9.14E-03	2.33E-02	-4.03E-02
2.23E+01	-1.15E-03	2.11E-02	-3.97E-02
2.23E+01	-1.04E-02	1.94E-02	-3.90E-02
2.23E+01	-1.84E-02	1.81E-02	-3.72E-02
2.23E+01	-2.49E-02	1.72E-02	-3.44E-02
2.23E+01	-3.00E-02	1.66E-02	-3.11E-02
2.23E+01	-3.40E-02	1.58E-02	-2.82E-02
2.24E+01	-3.68E-02	1.53E-02	-2.65E-02
2.24E+01	-3.81E-02	1.49E-02	-2.63E-02
2.24E+01	-3.82E-02	1.49E-02	-2.71E-02
2.24E+01	-3.68E-02	1.55E-02	-2.83E-02
2.24E+01	-3.41E-02	1.66E-02	-3.08E-02
2.24E+01	-3.05E-02	1.80E-02	-3.41E-02
2.24E+01	-2.58E-02	1.95E-02	-3.72E-02
2.24E+01	-2.03E-02	2.09E-02	-3.96E-02
2.24E+01	-1.48E-02	2.19E-02	-4.08E-02
2.24E+01	-9.47E-03	2.11E-02	-4.09E-02
2.24E+01	-4.56E-03	1.86E-02	-4.16E-02
2.24E+01	-2.14E-04	1.48E-02	-4.31E-02
2.24E+01	2.69E-03	9.78E-03	-4.44E-02
2.24E+01	4.02E-03	4.48E-03	-4.62E-02
2.24E+01	4.36E-03	-6.44E-04	-4.87E-02
2.24E+01	4.26E-03	-5.45E-03	-5.02E-02
2.24E+01	4.02E-03	-9.67E-03	-5.06E-02
2.24E+01	3.51E-03	-1.35E-02	-5.04E-02
2.24E+01	2.49E-03	-1.67E-02	-4.90E-02
2.24E+01	1.02E-03	-1.89E-02	-4.76E-02
2.25E+01	-8.73E-04	-2.05E-02	-4.78E-02
2.25E+01	-3.24E-03	-2.14E-02	-4.95E-02
2.25E+01	-5.70E-03	-2.16E-02	-5.17E-02
2.25E+01	-7.99E-03	-2.12E-02	-5.33E-02
2.25E+01	-1.03E-02	-2.10E-02	-5.36E-02
2.25E+01	-1.24E-02	-2.14E-02	-5.29E-02
2.25E+01	-1.44E-02	-2.29E-02	-5.19E-02
2.25E+01	-1.65E-02	-2.53E-02	-5.11E-02
2.25E+01	-1.81E-02	-2.82E-02	-5.09E-02
2.25E+01	-1.91E-02	-3.20E-02	-5.11E-02
2.25E+01	-1.94E-02	-3.57E-02	-5.06E-02
2.25E+01	-1.88E-02	-3.91E-02	-4.97E-02
2.25E+01	-1.77E-02	-4.26E-02	-4.85E-02
2.25E+01	-1.61E-02	-4.60E-02	-4.69E-02
2.25E+01	-1.41E-02	-4.92E-02	-4.50E-02
2.25E+01	-1.17E-02	-5.23E-02	-4.29E-02
2.25E+01	-8.89E-03	-5.54E-02	-3.94E-02
2.25E+01	-5.44E-03	-5.82E-02	-3.47E-02

2.25E+01	-9.07E-04	-6.02E-02	-2.92E-02
2.25E+01	4.53E-03	-6.11E-02	-2.34E-02
2.26E+01	1.08E-02	-6.09E-02	-1.86E-02
2.26E+01	1.80E-02	-5.94E-02	-1.45E-02
2.26E+01	2.58E-02	-5.69E-02	-1.07E-02
2.26E+01	3.40E-02	-5.36E-02	-8.08E-03
2.26E+01	4.22E-02	-5.04E-02	-8.50E-03
2.26E+01	5.01E-02	-4.72E-02	-1.17E-02
2.26E+01	5.74E-02	-4.42E-02	-1.58E-02
2.26E+01	6.44E-02	-4.14E-02	-1.97E-02
2.26E+01	7.07E-02	-3.87E-02	-2.28E-02
2.26E+01	7.61E-02	-3.67E-02	-2.55E-02
2.26E+01	8.05E-02	-3.51E-02	-2.81E-02
2.26E+01	8.33E-02	-3.42E-02	-3.06E-02
2.26E+01	8.49E-02	-3.37E-02	-3.29E-02
2.26E+01	8.56E-02	-3.36E-02	-3.38E-02
2.26E+01	8.52E-02	-3.36E-02	-3.33E-02
2.26E+01	8.38E-02	-3.41E-02	-3.25E-02
2.26E+01	8.10E-02	-3.65E-02	-3.19E-02
2.26E+01	7.65E-02	-3.90E-02	-3.18E-02
2.26E+01	6.93E-02	-4.08E-02	-3.05E-02
2.26E+01	5.98E-02	-4.27E-02	-2.81E-02
2.27E+01	4.90E-02	-4.24E-02	-2.49E-02
2.27E+01	3.71E-02	-3.91E-02	-2.00E-02
2.27E+01	2.55E-02	-3.27E-02	-1.42E-02
2.27E+01	1.45E-02	-2.53E-02	-7.59E-03
2.27E+01	3.30E-03	-1.94E-02	2.54E-04
2.27E+01	-7.26E-03	-1.48E-02	8.56E-03
2.27E+01	-1.71E-02	-1.17E-02	1.63E-02
2.27E+01	-2.64E-02	-9.94E-03	2.29E-02
2.27E+01	-3.46E-02	-9.00E-03	2.91E-02
2.27E+01	-4.19E-02	-8.38E-03	3.47E-02
2.27E+01	-4.81E-02	-7.69E-03	3.78E-02
2.27E+01	-5.30E-02	-7.42E-03	3.85E-02
2.27E+01	-5.71E-02	-7.18E-03	3.73E-02
2.27E+01	-6.04E-02	-6.84E-03	3.44E-02
2.27E+01	-6.34E-02	-6.79E-03	3.01E-02
2.27E+01	-6.58E-02	-6.46E-03	2.61E-02
2.27E+01	-6.73E-02	-6.00E-03	2.24E-02
2.27E+01	-6.79E-02	-5.41E-03	1.86E-02
2.27E+01	-6.75E-02	-4.56E-03	1.61E-02
2.27E+01	-6.68E-02	-3.71E-03	1.60E-02
2.28E+01	-6.59E-02	-2.71E-03	1.74E-02
2.28E+01	-6.42E-02	-2.57E-03	2.01E-02
2.28E+01	-6.18E-02	-2.98E-03	2.52E-02
2.28E+01	-5.90E-02	-3.61E-03	3.19E-02
2.28E+01	-5.61E-02	-4.93E-03	3.78E-02

2.28E+01	-5.31E-02	-6.34E-03	4.25E-02
2.28E+01	-5.04E-02	-8.02E-03	4.69E-02
2.28E+01	-4.78E-02	-9.23E-03	5.03E-02
2.28E+01	-4.45E-02	-9.81E-03	5.12E-02
2.28E+01	-4.01E-02	-1.03E-02	5.10E-02
2.28E+01	-3.42E-02	-9.85E-03	5.10E-02
2.28E+01	-2.63E-02	-8.58E-03	5.07E-02
2.28E+01	-1.70E-02	-7.10E-03	5.03E-02
2.28E+01	-7.24E-03	-5.71E-03	5.02E-02
2.28E+01	2.97E-03	-4.44E-03	5.00E-02
2.28E+01	1.33E-02	-3.12E-03	4.93E-02
2.28E+01	2.34E-02	-1.94E-03	4.69E-02
2.28E+01	3.33E-02	-7.53E-04	4.30E-02
2.28E+01	4.24E-02	4.21E-04	3.84E-02
2.28E+01	5.07E-02	2.23E-03	3.43E-02
2.29E+01	5.82E-02	4.77E-03	3.16E-02
2.29E+01	6.46E-02	7.03E-03	3.05E-02
2.29E+01	6.99E-02	9.42E-03	3.06E-02
2.29E+01	7.39E-02	1.15E-02	3.14E-02
2.29E+01	7.66E-02	1.26E-02	3.21E-02
2.29E+01	7.83E-02	1.33E-02	3.23E-02
2.29E+01	7.91E-02	1.29E-02	3.22E-02
2.29E+01	7.93E-02	1.22E-02	3.27E-02
2.29E+01	7.87E-02	1.13E-02	3.32E-02
2.29E+01	7.74E-02	9.43E-03	3.28E-02
2.29E+01	7.57E-02	6.56E-03	3.14E-02
2.29E+01	7.38E-02	2.98E-03	2.87E-02
2.29E+01	7.17E-02	-9.06E-04	2.55E-02
2.29E+01	6.95E-02	-4.60E-03	2.34E-02
2.29E+01	6.72E-02	-7.96E-03	2.23E-02
2.29E+01	6.56E-02	-1.10E-02	2.19E-02
2.29E+01	6.42E-02	-1.34E-02	2.14E-02
2.29E+01	6.27E-02	-1.54E-02	2.02E-02
2.29E+01	6.16E-02	-1.71E-02	1.83E-02
2.29E+01	6.12E-02	-1.82E-02	1.61E-02
2.30E+01	6.12E-02	-1.87E-02	1.36E-02
2.30E+01	6.07E-02	-1.85E-02	1.14E-02
2.30E+01	5.97E-02	-1.80E-02	1.01E-02
2.30E+01	5.88E-02	-1.67E-02	9.91E-03
2.30E+01	5.82E-02	-1.44E-02	1.07E-02
2.30E+01	5.77E-02	-1.15E-02	1.20E-02
2.30E+01	5.70E-02	-7.93E-03	1.38E-02
2.30E+01	5.59E-02	-3.77E-03	1.54E-02
2.30E+01	5.47E-02	1.42E-04	1.64E-02
2.30E+01	5.29E-02	3.92E-03	1.69E-02
2.30E+01	5.04E-02	7.51E-03	1.76E-02
2.30E+01	4.73E-02	1.08E-02	1.85E-02

2.30E+01	4.36E-02	1.38E-02	1.89E-02
2.30E+01	3.91E-02	1.64E-02	1.83E-02
2.30E+01	3.39E-02	1.87E-02	1.72E-02
2.30E+01	2.82E-02	2.05E-02	1.58E-02
2.30E+01	2.28E-02	2.19E-02	1.47E-02
2.30E+01	1.78E-02	2.34E-02	1.43E-02
2.30E+01	1.31E-02	2.47E-02	1.51E-02
2.30E+01	8.30E-03	2.62E-02	1.67E-02
2.31E+01	3.74E-03	2.76E-02	1.84E-02
2.31E+01	-5.15E-04	2.85E-02	2.03E-02
2.31E+01	-4.29E-03	2.95E-02	2.18E-02
2.31E+01	-7.56E-03	3.05E-02	2.27E-02
2.31E+01	-1.06E-02	3.18E-02	2.37E-02
2.31E+01	-1.30E-02	3.38E-02	2.52E-02
2.31E+01	-1.51E-02	3.61E-02	2.74E-02
2.31E+01	-1.69E-02	3.84E-02	2.95E-02
2.31E+01	-1.86E-02	4.10E-02	3.07E-02
2.31E+01	-2.07E-02	4.35E-02	3.07E-02
2.31E+01	-2.29E-02	4.62E-02	2.96E-02
2.31E+01	-2.52E-02	4.89E-02	2.80E-02
2.31E+01	-2.75E-02	5.16E-02	2.58E-02
2.31E+01	-2.98E-02	5.44E-02	2.39E-02
2.31E+01	-3.20E-02	5.69E-02	2.28E-02
2.31E+01	-3.43E-02	5.93E-02	2.20E-02
2.31E+01	-3.66E-02	6.11E-02	2.10E-02
2.31E+01	-3.93E-02	6.25E-02	1.95E-02
2.31E+01	-4.24E-02	6.35E-02	1.70E-02
2.31E+01	-4.55E-02	6.41E-02	1.42E-02
2.32E+01	-4.84E-02	6.48E-02	1.17E-02
2.32E+01	-5.08E-02	6.54E-02	9.24E-03
2.32E+01	-5.25E-02	6.59E-02	7.26E-03
2.32E+01	-5.35E-02	6.63E-02	6.47E-03
2.32E+01	-5.39E-02	6.64E-02	6.83E-03
2.32E+01	-5.37E-02	6.56E-02	7.47E-03
2.32E+01	-5.27E-02	6.39E-02	7.63E-03
2.32E+01	-5.07E-02	6.13E-02	6.85E-03
2.32E+01	-4.80E-02	5.79E-02	4.62E-03
2.32E+01	-4.50E-02	5.42E-02	1.04E-03
2.32E+01	-4.10E-02	4.99E-02	-3.32E-03
2.32E+01	-3.70E-02	4.58E-02	-7.70E-03
2.32E+01	-3.33E-02	4.18E-02	-1.18E-02
2.32E+01	-2.95E-02	3.75E-02	-1.49E-02
2.32E+01	-2.60E-02	3.35E-02	-1.67E-02
2.32E+01	-2.27E-02	2.91E-02	-1.84E-02
2.32E+01	-1.97E-02	2.46E-02	-2.09E-02
2.32E+01	-1.70E-02	1.99E-02	-2.31E-02
2.32E+01	-1.43E-02	1.51E-02	-2.49E-02

2.32E+01	-1.15E-02	1.08E-02	-2.62E-02
2.33E+01	-8.97E-03	6.65E-03	-2.63E-02
2.33E+01	-7.01E-03	2.90E-03	-2.61E-02
2.33E+01	-5.34E-03	-6.47E-04	-2.63E-02
2.33E+01	-4.13E-03	-4.41E-03	-2.63E-02
2.33E+01	-3.67E-03	-8.10E-03	-2.59E-02
2.33E+01	-3.81E-03	-1.15E-02	-2.59E-02
2.33E+01	-4.21E-03	-1.44E-02	-2.58E-02
2.33E+01	-4.94E-03	-1.64E-02	-2.52E-02
2.33E+01	-5.98E-03	-1.74E-02	-2.47E-02
2.33E+01	-7.21E-03	-1.74E-02	-2.48E-02
2.33E+01	-8.62E-03	-1.61E-02	-2.50E-02
2.33E+01	-1.03E-02	-1.39E-02	-2.54E-02
2.33E+01	-1.21E-02	-1.06E-02	-2.63E-02
2.33E+01	-1.37E-02	-6.87E-03	-2.74E-02
2.33E+01	-1.52E-02	-2.95E-03	-2.87E-02
2.33E+01	-1.66E-02	9.21E-04	-3.08E-02
2.33E+01	-1.80E-02	4.65E-03	-3.38E-02
2.33E+01	-1.95E-02	8.46E-03	-3.68E-02
2.33E+01	-2.10E-02	1.22E-02	-3.89E-02
2.33E+01	-2.27E-02	1.56E-02	-3.98E-02
2.34E+01	-2.49E-02	1.87E-02	-3.96E-02
2.34E+01	-2.71E-02	2.13E-02	-3.88E-02
2.34E+01	-2.97E-02	2.28E-02	-3.79E-02
2.34E+01	-3.26E-02	2.33E-02	-3.77E-02
2.34E+01	-3.58E-02	2.31E-02	-3.74E-02
2.34E+01	-3.92E-02	2.21E-02	-3.66E-02
2.34E+01	-4.27E-02	2.05E-02	-3.60E-02
2.34E+01	-4.61E-02	1.84E-02	-3.59E-02
2.34E+01	-4.94E-02	1.57E-02	-3.54E-02
2.34E+01	-5.23E-02	1.26E-02	-3.38E-02
2.34E+01	-5.49E-02	9.28E-03	-3.03E-02
2.34E+01	-5.72E-02	5.75E-03	-2.54E-02
2.34E+01	-5.93E-02	2.23E-03	-2.01E-02
2.34E+01	-6.14E-02	-1.10E-03	-1.59E-02
2.34E+01	-6.34E-02	-3.92E-03	-1.27E-02
2.34E+01	-6.51E-02	-5.95E-03	-1.04E-02
2.34E+01	-6.65E-02	-7.17E-03	-8.85E-03
2.34E+01	-6.75E-02	-7.80E-03	-8.40E-03
2.34E+01	-6.82E-02	-8.08E-03	-9.09E-03
2.34E+01	-6.89E-02	-8.19E-03	-1.11E-02
2.35E+01	-6.92E-02	-8.27E-03	-1.46E-02
2.35E+01	-6.94E-02	-8.70E-03	-1.93E-02
2.35E+01	-6.92E-02	-8.97E-03	-2.37E-02
2.35E+01	-6.83E-02	-9.33E-03	-2.73E-02
2.35E+01	-6.72E-02	-9.40E-03	-2.98E-02
2.35E+01	-6.53E-02	-9.16E-03	-3.17E-02

2.35E+01	-6.32E-02	-9.82E-03	-3.32E-02
2.35E+01	-6.16E-02	-8.74E-03	-3.51E-02
2.35E+01	-5.86E-02	-8.81E-03	-3.68E-02
2.35E+01	-5.52E-02	-1.12E-02	-3.68E-02
2.35E+01	-5.19E-02	-1.14E-02	-3.62E-02
2.35E+01	-4.83E-02	-1.21E-02	-3.44E-02
2.35E+01	-4.48E-02	-1.33E-02	-3.10E-02
2.35E+01	-4.09E-02	-1.40E-02	-2.70E-02
2.35E+01	-3.76E-02	-1.59E-02	-2.20E-02
2.35E+01	-3.48E-02	-1.76E-02	-1.74E-02
2.35E+01	-3.21E-02	-1.97E-02	-1.35E-02
2.35E+01	-3.01E-02	-2.18E-02	-1.05E-02
2.35E+01	-2.83E-02	-2.40E-02	-8.90E-03
2.35E+01	-2.68E-02	-2.62E-02	-7.43E-03
2.36E+01	-2.50E-02	-2.81E-02	-6.19E-03
2.36E+01	-2.30E-02	-3.02E-02	-5.44E-03
2.36E+01	-2.05E-02	-3.20E-02	-4.71E-03
2.36E+01	-1.71E-02	-3.37E-02	-4.99E-03
2.36E+01	-1.31E-02	-3.59E-02	-6.12E-03
2.36E+01	-8.52E-03	-3.77E-02	-7.01E-03
2.36E+01	-3.37E-03	-3.94E-02	-8.64E-03
2.36E+01	2.16E-03	-4.11E-02	-1.22E-02
2.36E+01	7.87E-03	-4.27E-02	-1.73E-02
2.36E+01	1.36E-02	-4.40E-02	-2.34E-02
2.36E+01	1.93E-02	-4.51E-02	-3.06E-02
2.36E+01	2.48E-02	-4.63E-02	-3.75E-02
2.36E+01	3.02E-02	-4.72E-02	-4.38E-02
2.36E+01	3.54E-02	-4.83E-02	-4.92E-02
2.36E+01	4.03E-02	-4.98E-02	-5.26E-02
2.36E+01	4.46E-02	-5.11E-02	-5.35E-02
2.36E+01	4.86E-02	-5.26E-02	-5.29E-02
2.36E+01	5.22E-02	-5.46E-02	-5.05E-02
2.36E+01	5.51E-02	-5.67E-02	-4.66E-02
2.36E+01	5.77E-02	-5.88E-02	-4.21E-02
2.37E+01	5.98E-02	-6.10E-02	-3.73E-02
2.37E+01	6.14E-02	-6.31E-02	-3.14E-02
2.37E+01	6.26E-02	-6.50E-02	-2.45E-02
2.37E+01	6.33E-02	-6.67E-02	-1.80E-02
2.37E+01	6.38E-02	-6.84E-02	-1.21E-02
2.37E+01	6.40E-02	-7.02E-02	-6.87E-03
2.37E+01	6.37E-02	-7.24E-02	-3.22E-03
2.37E+01	6.33E-02	-7.44E-02	-1.76E-03
2.37E+01	6.25E-02	-7.65E-02	-2.05E-03
2.37E+01	6.16E-02	-7.83E-02	-2.98E-03
2.37E+01	6.07E-02	-7.93E-02	-3.75E-03
2.37E+01	5.94E-02	-7.99E-02	-3.82E-03
2.37E+01	5.78E-02	-8.03E-02	-3.13E-03

2.37E+01	5.63E-02	-8.01E-02	-1.78E-03
2.37E+01	5.43E-02	-7.98E-02	-2.99E-04
2.37E+01	5.18E-02	-7.95E-02	3.36E-04
2.37E+01	4.93E-02	-7.87E-02	-2.58E-04
2.37E+01	4.64E-02	-7.77E-02	-1.95E-03
2.37E+01	4.35E-02	-7.58E-02	-3.48E-03
2.37E+01	4.08E-02	-7.24E-02	-3.90E-03
2.38E+01	3.81E-02	-6.80E-02	-3.90E-03
2.38E+01	3.57E-02	-6.27E-02	-3.30E-03
2.38E+01	3.36E-02	-5.63E-02	-2.22E-03
2.38E+01	3.14E-02	-4.98E-02	-1.32E-03
2.38E+01	2.89E-02	-4.44E-02	-9.61E-05
2.38E+01	2.60E-02	-3.98E-02	1.89E-03
2.38E+01	2.29E-02	-3.54E-02	4.48E-03
2.38E+01	1.92E-02	-3.16E-02	7.03E-03
2.38E+01	1.55E-02	-2.80E-02	1.04E-02
2.38E+01	1.16E-02	-2.42E-02	1.53E-02
2.38E+01	7.69E-03	-2.09E-02	2.00E-02
2.38E+01	4.10E-03	-1.78E-02	2.44E-02
2.38E+01	4.13E-04	-1.49E-02	2.80E-02
2.38E+01	-2.90E-03	-1.23E-02	3.05E-02
2.38E+01	-5.58E-03	-9.49E-03	3.24E-02
2.38E+01	-7.67E-03	-6.40E-03	3.36E-02
2.38E+01	-8.62E-03	-2.76E-03	3.45E-02
2.38E+01	-8.64E-03	1.33E-03	3.50E-02
2.38E+01	-7.60E-03	5.78E-03	3.46E-02
2.38E+01	-5.58E-03	1.05E-02	3.33E-02
2.39E+01	-2.91E-03	1.51E-02	3.08E-02
2.39E+01	6.05E-04	1.95E-02	2.74E-02
2.39E+01	4.53E-03	2.39E-02	2.44E-02
2.39E+01	8.95E-03	2.82E-02	2.24E-02
2.39E+01	1.42E-02	3.24E-02	2.27E-02
2.39E+01	1.95E-02	3.66E-02	2.58E-02
2.39E+01	2.47E-02	4.05E-02	3.06E-02
2.39E+01	2.96E-02	4.39E-02	3.57E-02
2.39E+01	3.39E-02	4.68E-02	3.97E-02
2.39E+01	3.80E-02	4.93E-02	4.18E-02
2.39E+01	4.19E-02	5.15E-02	4.17E-02
2.39E+01	4.57E-02	5.34E-02	3.93E-02
2.39E+01	4.95E-02	5.51E-02	3.54E-02
2.39E+01	5.33E-02	5.67E-02	3.06E-02
2.39E+01	5.70E-02	5.79E-02	2.61E-02
2.39E+01	6.02E-02	5.88E-02	2.27E-02
2.39E+01	6.30E-02	5.90E-02	2.03E-02
2.39E+01	6.52E-02	5.82E-02	1.89E-02
2.39E+01	6.69E-02	5.69E-02	1.83E-02
2.39E+01	6.83E-02	5.52E-02	1.73E-02

2.40E+01	6.92E-02	5.33E-02	1.64E-02
2.40E+01	6.99E-02	5.17E-02	1.60E-02
2.40E+01	7.04E-02	5.03E-02	1.55E-02
2.40E+01	7.09E-02	4.90E-02	1.53E-02
2.40E+01	7.13E-02	4.76E-02	1.53E-02
2.40E+01	7.15E-02	4.57E-02	1.52E-02
2.40E+01	7.15E-02	4.34E-02	1.52E-02
2.40E+01	7.11E-02	4.06E-02	1.64E-02
2.40E+01	7.04E-02	3.70E-02	1.78E-02
2.40E+01	6.96E-02	3.29E-02	1.77E-02
2.40E+01	6.86E-02	2.84E-02	1.66E-02
2.40E+01	6.76E-02	2.40E-02	1.56E-02
2.40E+01	6.60E-02	2.02E-02	1.50E-02
2.40E+01	6.37E-02	1.67E-02	1.40E-02
2.40E+01	6.08E-02	1.34E-02	1.30E-02
2.40E+01	5.72E-02	1.07E-02	1.26E-02
2.40E+01	5.29E-02	8.43E-03	1.30E-02
2.40E+01	4.76E-02	6.44E-03	1.42E-02
2.40E+01	4.15E-02	4.75E-03	1.56E-02
2.40E+01	3.46E-02	3.51E-03	1.63E-02
2.41E+01	2.68E-02	3.03E-03	1.59E-02
2.41E+01	1.85E-02	3.14E-03	1.49E-02
2.41E+01	9.75E-03	4.06E-03	1.42E-02
2.41E+01	1.24E-03	6.10E-03	1.40E-02
2.41E+01	-6.81E-03	8.99E-03	1.41E-02
2.41E+01	-1.44E-02	1.27E-02	1.41E-02
2.41E+01	-2.12E-02	1.70E-02	1.45E-02
2.41E+01	-2.73E-02	2.14E-02	1.58E-02
2.41E+01	-3.28E-02	2.62E-02	1.78E-02
2.41E+01	-3.79E-02	3.14E-02	1.99E-02
2.41E+01	-4.24E-02	3.71E-02	2.16E-02
2.41E+01	-4.66E-02	4.33E-02	2.26E-02
2.41E+01	-4.99E-02	4.99E-02	2.28E-02
2.41E+01	-5.28E-02	5.71E-02	2.30E-02
2.41E+01	-5.53E-02	6.45E-02	2.41E-02
2.41E+01	-5.71E-02	7.23E-02	2.58E-02
2.41E+01	-5.87E-02	7.99E-02	2.78E-02
2.41E+01	-5.99E-02	8.71E-02	3.00E-02
2.41E+01	-6.05E-02	9.37E-02	3.16E-02
2.41E+01	-6.05E-02	9.95E-02	3.29E-02
2.42E+01	-5.99E-02	1.05E-01	3.39E-02
2.42E+01	-5.83E-02	1.09E-01	3.39E-02
2.42E+01	-5.58E-02	1.13E-01	3.30E-02
2.42E+01	-5.24E-02	1.17E-01	3.27E-02
2.42E+01	-4.79E-02	1.20E-01	3.32E-02
2.42E+01	-4.25E-02	1.22E-01	3.39E-02
2.42E+01	-3.66E-02	1.22E-01	3.47E-02

2.42E+01	-3.04E-02	1.21E-01	3.50E-02
2.42E+01	-2.40E-02	1.19E-01	3.39E-02
2.42E+01	-1.79E-02	1.16E-01	3.13E-02
2.42E+01	-1.20E-02	1.12E-01	2.78E-02
2.42E+01	-6.44E-03	1.08E-01	2.45E-02
2.42E+01	-9.25E-04	1.03E-01	2.11E-02
2.42E+01	4.17E-03	9.88E-02	1.73E-02
2.42E+01	8.73E-03	9.43E-02	1.36E-02
2.42E+01	1.25E-02	8.93E-02	1.13E-02
2.42E+01	1.56E-02	8.40E-02	9.97E-03
2.42E+01	1.82E-02	7.85E-02	8.27E-03
2.42E+01	2.04E-02	7.30E-02	6.60E-03
2.42E+01	2.21E-02	6.81E-02	4.72E-03
2.43E+01	2.33E-02	6.36E-02	2.84E-03
2.43E+01	2.43E-02	5.95E-02	1.54E-03
2.43E+01	2.51E-02	5.63E-02	2.23E-04
2.43E+01	2.57E-02	5.33E-02	-1.70E-03
2.43E+01	2.60E-02	5.04E-02	-4.34E-03
2.43E+01	2.54E-02	4.78E-02	-7.24E-03
2.43E+01	2.45E-02	4.55E-02	-9.87E-03
2.43E+01	2.37E-02	4.33E-02	-1.19E-02
2.43E+01	2.28E-02	4.11E-02	-1.41E-02
2.43E+01	2.17E-02	3.91E-02	-1.79E-02
2.43E+01	2.03E-02	3.71E-02	-2.22E-02
2.43E+01	1.84E-02	3.53E-02	-2.52E-02
2.43E+01	1.63E-02	3.38E-02	-2.62E-02
2.43E+01	1.43E-02	3.25E-02	-2.53E-02
2.43E+01	1.25E-02	3.10E-02	-2.28E-02
2.43E+01	1.02E-02	2.94E-02	-2.06E-02
2.43E+01	7.46E-03	2.79E-02	-1.96E-02
2.43E+01	4.86E-03	2.69E-02	-1.99E-02
2.43E+01	2.45E-03	2.64E-02	-2.16E-02
2.43E+01	-1.01E-04	2.63E-02	-2.43E-02
2.44E+01	-2.81E-03	2.70E-02	-2.74E-02
2.44E+01	-5.78E-03	2.79E-02	-2.95E-02
2.44E+01	-8.60E-03	2.87E-02	-3.04E-02
2.44E+01	-1.09E-02	2.95E-02	-3.00E-02
2.44E+01	-1.31E-02	2.97E-02	-2.78E-02
2.44E+01	-1.54E-02	2.96E-02	-2.44E-02
2.44E+01	-1.78E-02	2.92E-02	-2.07E-02
2.44E+01	-2.08E-02	2.88E-02	-1.82E-02
2.44E+01	-2.38E-02	2.91E-02	-1.78E-02
2.44E+01	-2.68E-02	2.95E-02	-1.91E-02
2.44E+01	-2.95E-02	3.00E-02	-1.99E-02
2.44E+01	-3.18E-02	3.08E-02	-1.92E-02
2.44E+01	-3.42E-02	3.11E-02	-1.67E-02
2.44E+01	-3.69E-02	3.08E-02	-1.23E-02

2.44E+01	-3.95E-02	3.04E-02	-8.55E-03
2.44E+01	-4.25E-02	2.88E-02	-6.68E-03
2.44E+01	-4.52E-02	2.71E-02	-4.87E-03
2.44E+01	-4.75E-02	2.61E-02	-2.87E-03
2.44E+01	-4.95E-02	2.45E-02	-3.56E-04
2.44E+01	-5.07E-02	2.34E-02	1.97E-03
2.45E+01	-5.16E-02	2.25E-02	2.17E-03
2.45E+01	-5.22E-02	2.14E-02	8.64E-04
2.45E+01	-5.22E-02	2.02E-02	-1.27E-03
2.45E+01	-5.18E-02	1.87E-02	-3.39E-03
2.45E+01	-5.10E-02	1.70E-02	-4.62E-03
2.45E+01	-4.97E-02	1.46E-02	-6.40E-03
2.45E+01	-4.84E-02	1.21E-02	-8.42E-03
2.45E+01	-4.71E-02	9.81E-03	-9.35E-03
2.45E+01	-4.59E-02	7.09E-03	-9.88E-03
2.45E+01	-4.42E-02	4.47E-03	-9.42E-03
2.45E+01	-4.24E-02	2.01E-03	-7.52E-03
2.45E+01	-4.09E-02	-6.70E-04	-5.85E-03
2.45E+01	-3.94E-02	-3.35E-03	-5.37E-03
2.45E+01	-3.80E-02	-5.90E-03	-5.68E-03
2.45E+01	-3.65E-02	-8.09E-03	-6.59E-03
2.45E+01	-3.44E-02	-1.02E-02	-7.73E-03
2.45E+01	-3.19E-02	-1.23E-02	-8.66E-03
2.45E+01	-2.92E-02	-1.38E-02	-9.28E-03
2.45E+01	-2.62E-02	-1.52E-02	-9.58E-03
2.45E+01	-2.36E-02	-1.72E-02	-1.04E-02
2.46E+01	-2.13E-02	-1.94E-02	-1.15E-02
2.46E+01	-1.87E-02	-2.11E-02	-1.15E-02
2.46E+01	-1.62E-02	-2.30E-02	-1.15E-02
2.46E+01	-1.41E-02	-2.52E-02	-1.30E-02
2.46E+01	-1.27E-02	-2.76E-02	-1.58E-02
2.46E+01	-1.16E-02	-2.97E-02	-1.91E-02
2.46E+01	-1.06E-02	-3.14E-02	-2.20E-02
2.46E+01	-9.65E-03	-3.33E-02	-2.43E-02
2.46E+01	-9.09E-03	-3.52E-02	-2.55E-02
2.46E+01	-9.03E-03	-3.69E-02	-2.55E-02
2.46E+01	-9.17E-03	-3.86E-02	-2.53E-02
2.46E+01	-9.56E-03	-4.02E-02	-2.49E-02
2.46E+01	-1.03E-02	-4.16E-02	-2.41E-02
2.46E+01	-1.08E-02	-4.29E-02	-2.20E-02
2.46E+01	-1.09E-02	-4.37E-02	-1.83E-02
2.46E+01	-1.07E-02	-4.44E-02	-1.41E-02
2.46E+01	-9.91E-03	-4.49E-02	-9.87E-03
2.46E+01	-8.47E-03	-4.54E-02	-5.81E-03
2.46E+01	-6.44E-03	-4.63E-02	-2.83E-03
2.46E+01	-3.60E-03	-4.75E-02	-8.43E-04
2.47E+01	-4.37E-05	-4.89E-02	8.52E-04

2.47E+01	4.05E-03	-5.06E-02	2.39E-03
2.47E+01	8.77E-03	-5.25E-02	3.60E-03
2.47E+01	1.37E-02	-5.49E-02	4.69E-03
2.47E+01	1.86E-02	-5.76E-02	6.13E-03
2.47E+01	2.35E-02	-6.04E-02	8.48E-03
2.47E+01	2.79E-02	-6.32E-02	1.19E-02
2.47E+01	3.19E-02	-6.62E-02	1.53E-02
2.47E+01	3.49E-02	-6.95E-02	1.73E-02
2.47E+01	3.71E-02	-7.28E-02	1.75E-02
2.47E+01	3.87E-02	-7.60E-02	1.63E-02
2.47E+01	3.97E-02	-7.88E-02	1.48E-02
2.47E+01	4.06E-02	-8.11E-02	1.33E-02
2.47E+01	4.15E-02	-8.29E-02	1.29E-02
2.47E+01	4.22E-02	-8.41E-02	1.39E-02
2.47E+01	4.29E-02	-8.49E-02	1.53E-02
2.47E+01	4.33E-02	-8.59E-02	1.65E-02
2.47E+01	4.36E-02	-8.73E-02	1.68E-02
2.47E+01	4.40E-02	-8.90E-02	1.60E-02
2.47E+01	4.45E-02	-9.11E-02	1.46E-02
2.48E+01	4.53E-02	-9.34E-02	1.29E-02
2.48E+01	4.65E-02	-9.53E-02	1.11E-02
2.48E+01	4.80E-02	-9.70E-02	1.00E-02
2.48E+01	4.94E-02	-9.85E-02	9.59E-03
2.48E+01	5.09E-02	-9.97E-02	9.15E-03
2.48E+01	5.23E-02	-1.01E-01	7.98E-03
2.48E+01	5.34E-02	-1.02E-01	6.01E-03
2.48E+01	5.44E-02	-1.03E-01	4.26E-03
2.48E+01	5.52E-02	-1.04E-01	3.58E-03
2.48E+01	5.59E-02	-1.04E-01	3.68E-03
2.48E+01	5.65E-02	-1.04E-01	4.34E-03
2.48E+01	5.70E-02	-1.04E-01	5.54E-03
2.48E+01	5.74E-02	-1.04E-01	6.67E-03
2.48E+01	5.75E-02	-1.03E-01	7.21E-03
2.48E+01	5.76E-02	-1.03E-01	7.61E-03
2.48E+01	5.74E-02	-1.02E-01	7.75E-03
2.48E+01	5.70E-02	-1.01E-01	7.18E-03
2.48E+01	5.66E-02	-1.01E-01	6.94E-03
2.48E+01	5.61E-02	-9.94E-02	7.28E-03
2.48E+01	5.58E-02	-9.85E-02	8.36E-03
2.49E+01	5.53E-02	-9.77E-02	1.11E-02
2.49E+01	5.49E-02	-9.63E-02	1.55E-02
2.49E+01	5.42E-02	-9.54E-02	2.08E-02
2.49E+01	5.29E-02	-9.49E-02	2.58E-02
2.49E+01	5.14E-02	-9.44E-02	3.04E-02
2.49E+01	4.94E-02	-9.43E-02	3.46E-02
2.49E+01	4.73E-02	-9.42E-02	3.79E-02
2.49E+01	4.52E-02	-9.40E-02	4.10E-02

2.49E+01	4.27E-02	-9.37E-02	4.31E-02
2.49E+01	4.04E-02	-9.30E-02	4.37E-02
2.49E+01	3.77E-02	-9.22E-02	4.32E-02
2.49E+01	3.49E-02	-9.13E-02	4.20E-02
2.49E+01	3.23E-02	-8.99E-02	3.98E-02
2.49E+01	2.96E-02	-8.86E-02	3.71E-02
2.49E+01	2.66E-02	-8.72E-02	3.43E-02
2.49E+01	2.37E-02	-8.53E-02	3.10E-02
2.49E+01	2.08E-02	-8.35E-02	2.64E-02
2.49E+01	1.80E-02	-8.14E-02	2.14E-02
2.49E+01	1.53E-02	-7.87E-02	1.63E-02
2.49E+01	1.31E-02	-7.57E-02	1.09E-02
2.50E+01	1.13E-02	-7.25E-02	6.48E-03
2.50E+01	1.00E-02	-6.88E-02	2.90E-03
2.50E+01	9.31E-03	-6.52E-02	-3.94E-04
2.50E+01	8.80E-03	-6.17E-02	-2.62E-03
2.50E+01	8.78E-03	-5.83E-02	-4.09E-03
2.50E+01	9.26E-03	-5.52E-02	-5.45E-03
2.50E+01	9.67E-03	-5.24E-02	-5.73E-03
2.50E+01	1.02E-02	-4.96E-02	-5.57E-03
2.50E+01	1.09E-02	-4.70E-02	-6.41E-03
2.50E+01	1.15E-02	-4.46E-02	-6.77E-03
2.50E+01	1.19E-02	-4.21E-02	-5.40E-03
2.50E+01	1.24E-02	-3.95E-02	-2.61E-03
2.50E+01	1.26E-02	-3.72E-02	1.55E-03
2.50E+01	1.25E-02	-3.50E-02	5.98E-03
2.50E+01	1.22E-02	-3.30E-02	9.88E-03
2.50E+01	1.14E-02	-3.13E-02	1.38E-02
2.50E+01	1.04E-02	-2.99E-02	1.69E-02
2.50E+01	9.05E-03	-2.84E-02	1.83E-02
2.50E+01	7.35E-03	-2.70E-02	1.79E-02
2.50E+01	5.24E-03	-2.54E-02	1.71E-02
2.51E+01	2.79E-03	-2.33E-02	1.70E-02
2.51E+01	6.15E-04	-2.16E-02	1.75E-02
2.51E+01	-2.40E-03	-1.94E-02	1.89E-02
2.51E+01	-6.09E-03	-1.75E-02	2.01E-02
2.51E+01	-9.72E-03	-1.59E-02	1.89E-02
2.51E+01	-1.41E-02	-1.44E-02	1.49E-02
2.51E+01	-1.92E-02	-1.37E-02	1.02E-02
2.51E+01	-2.40E-02	-1.18E-02	4.52E-03
2.51E+01	-2.86E-02	-9.29E-03	-2.36E-03
2.51E+01	-3.31E-02	-6.60E-03	-6.57E-03
2.51E+01	-3.73E-02	-2.75E-03	-7.92E-03
2.51E+01	-4.10E-02	1.15E-03	-8.52E-03
2.51E+01	-4.48E-02	4.84E-03	-7.42E-03
2.51E+01	-4.80E-02	8.29E-03	-5.16E-03
2.51E+01	-5.08E-02	1.08E-02	-3.42E-03

2.51E+01	-5.33E-02	1.29E-02	-2.70E-03
2.51E+01	-5.55E-02	1.50E-02	-3.25E-03
2.51E+01	-5.72E-02	1.69E-02	-4.20E-03
2.51E+01	-5.84E-02	1.92E-02	-4.89E-03
2.51E+01	-5.92E-02	2.18E-02	-5.63E-03
2.52E+01	-5.95E-02	2.44E-02	-6.15E-03
2.52E+01	-5.97E-02	2.70E-02	-6.21E-03
2.52E+01	-6.01E-02	2.90E-02	-5.46E-03
2.52E+01	-6.02E-02	3.08E-02	-4.68E-03
2.52E+01	-6.01E-02	3.21E-02	-4.99E-03
2.52E+01	-5.98E-02	3.31E-02	-5.75E-03
2.52E+01	-5.94E-02	3.47E-02	-7.09E-03
2.52E+01	-5.87E-02	3.68E-02	-8.48E-03
2.52E+01	-5.78E-02	3.94E-02	-8.17E-03
2.52E+01	-5.66E-02	4.29E-02	-5.94E-03
2.52E+01	-5.51E-02	4.64E-02	-2.13E-03
2.52E+01	-5.37E-02	4.96E-02	2.94E-03
2.52E+01	-5.24E-02	5.25E-02	7.71E-03
2.52E+01	-5.14E-02	5.49E-02	1.06E-02
2.52E+01	-5.07E-02	5.71E-02	1.18E-02
2.52E+01	-5.02E-02	5.94E-02	1.18E-02
2.52E+01	-4.96E-02	6.23E-02	1.02E-02
2.52E+01	-4.90E-02	6.57E-02	7.13E-03
2.52E+01	-4.87E-02	6.95E-02	2.81E-03
2.52E+01	-4.85E-02	7.37E-02	-2.07E-03
2.53E+01	-4.81E-02	7.78E-02	-6.57E-03
2.53E+01	-4.78E-02	8.15E-02	-9.94E-03
2.53E+01	-4.74E-02	8.48E-02	-1.23E-02
2.53E+01	-4.68E-02	8.75E-02	-1.38E-02
2.53E+01	-4.63E-02	8.97E-02	-1.43E-02
2.53E+01	-4.55E-02	9.19E-02	-1.44E-02
2.53E+01	-4.48E-02	9.42E-02	-1.41E-02
2.53E+01	-4.38E-02	9.66E-02	-1.31E-02
2.53E+01	-4.28E-02	9.92E-02	-1.21E-02
2.53E+01	-4.17E-02	1.02E-01	-1.17E-02
2.53E+01	-4.07E-02	1.04E-01	-1.13E-02
2.53E+01	-3.97E-02	1.06E-01	-1.14E-02
2.53E+01	-3.86E-02	1.07E-01	-1.27E-02
2.53E+01	-3.75E-02	1.08E-01	-1.53E-02
2.53E+01	-3.64E-02	1.09E-01	-1.87E-02
2.53E+01	-3.52E-02	1.09E-01	-2.18E-02
2.53E+01	-3.40E-02	1.09E-01	-2.33E-02
2.53E+01	-3.28E-02	1.08E-01	-2.30E-02
2.53E+01	-3.19E-02	1.08E-01	-2.10E-02
2.53E+01	-3.13E-02	1.06E-01	-1.82E-02
2.54E+01	-3.12E-02	1.04E-01	-1.59E-02
2.54E+01	-3.15E-02	1.01E-01	-1.44E-02

2.54E+01	-3.19E-02	9.83E-02	-1.28E-02
2.54E+01	-3.20E-02	9.53E-02	-1.12E-02
2.54E+01	-3.17E-02	9.24E-02	-1.06E-02
2.54E+01	-3.15E-02	8.94E-02	-1.07E-02
2.54E+01	-3.11E-02	8.64E-02	-1.15E-02
2.54E+01	-3.05E-02	8.31E-02	-1.34E-02
2.54E+01	-3.00E-02	7.92E-02	-1.46E-02
2.54E+01	-2.95E-02	7.52E-02	-1.45E-02
2.54E+01	-2.90E-02	7.11E-02	-1.49E-02
2.54E+01	-2.86E-02	6.67E-02	-1.64E-02
2.54E+01	-2.84E-02	6.25E-02	-1.89E-02
2.54E+01	-2.78E-02	5.88E-02	-2.17E-02
2.54E+01	-2.68E-02	5.53E-02	-2.34E-02
2.54E+01	-2.54E-02	5.17E-02	-2.32E-02
2.54E+01	-2.37E-02	4.79E-02	-2.19E-02
2.54E+01	-2.17E-02	4.38E-02	-2.09E-02
2.54E+01	-1.94E-02	3.95E-02	-2.07E-02
2.54E+01	-1.72E-02	3.53E-02	-2.10E-02
2.55E+01	-1.48E-02	3.12E-02	-2.20E-02
2.55E+01	-1.21E-02	2.73E-02	-2.40E-02
2.55E+01	-9.43E-03	2.36E-02	-2.56E-02
2.55E+01	-6.48E-03	2.05E-02	-2.57E-02
2.55E+01	-3.32E-03	1.76E-02	-2.52E-02
2.55E+01	-6.41E-04	1.47E-02	-2.34E-02
2.55E+01	1.85E-03	1.17E-02	-2.05E-02
2.55E+01	4.17E-03	8.36E-03	-1.86E-02
2.55E+01	5.74E-03	4.54E-03	-1.76E-02
2.55E+01	6.53E-03	7.74E-04	-1.73E-02
2.55E+01	7.06E-03	-2.77E-03	-1.71E-02
2.55E+01	7.72E-03	-5.97E-03	-1.61E-02
2.55E+01	8.34E-03	-8.84E-03	-1.41E-02
2.55E+01	8.73E-03	-1.18E-02	-1.12E-02
2.55E+01	8.82E-03	-1.51E-02	-7.61E-03
2.55E+01	8.65E-03	-1.85E-02	-3.95E-03
2.55E+01	8.57E-03	-2.20E-02	-1.11E-03
2.55E+01	8.60E-03	-2.56E-02	7.52E-04
2.55E+01	8.76E-03	-2.90E-02	1.36E-03
2.55E+01	9.25E-03	-3.20E-02	6.24E-05
2.56E+01	1.01E-02	-3.45E-02	-2.73E-03
2.56E+01	1.13E-02	-3.69E-02	-5.35E-03
2.56E+01	1.30E-02	-3.90E-02	-6.98E-03
2.56E+01	1.49E-02	-4.09E-02	-7.92E-03
2.56E+01	1.65E-02	-4.31E-02	-8.48E-03
2.56E+01	1.78E-02	-4.58E-02	-8.96E-03
2.56E+01	1.89E-02	-4.87E-02	-9.62E-03
2.56E+01	1.97E-02	-5.16E-02	-1.02E-02
2.56E+01	2.05E-02	-5.44E-02	-1.07E-02

2.56E+01	2.14E-02	-5.66E-02	-1.09E-02
2.56E+01	2.24E-02	-5.82E-02	-1.06E-02
2.56E+01	2.31E-02	-5.94E-02	-1.09E-02
2.56E+01	2.36E-02	-6.06E-02	-1.21E-02
2.56E+01	2.38E-02	-6.15E-02	-1.39E-02
2.56E+01	2.37E-02	-6.24E-02	-1.60E-02
2.56E+01	2.35E-02	-6.35E-02	-1.81E-02
2.56E+01	2.31E-02	-6.45E-02	-2.00E-02
2.56E+01	2.26E-02	-6.55E-02	-2.19E-02
2.56E+01	2.21E-02	-6.63E-02	-2.38E-02
2.56E+01	2.16E-02	-6.70E-02	-2.55E-02
2.57E+01	2.13E-02	-6.73E-02	-2.61E-02
2.57E+01	2.14E-02	-6.72E-02	-2.49E-02
2.57E+01	2.18E-02	-6.67E-02	-2.20E-02
2.57E+01	2.22E-02	-6.63E-02	-1.84E-02
2.57E+01	2.27E-02	-6.61E-02	-1.48E-02
2.57E+01	2.31E-02	-6.61E-02	-1.15E-02
2.57E+01	2.33E-02	-6.63E-02	-8.61E-03
2.57E+01	2.36E-02	-6.67E-02	-6.03E-03
2.57E+01	2.42E-02	-6.68E-02	-3.49E-03
2.57E+01	2.48E-02	-6.67E-02	-1.16E-03
2.57E+01	2.54E-02	-6.64E-02	6.71E-04
2.57E+01	2.60E-02	-6.60E-02	2.37E-03
2.57E+01	2.65E-02	-6.55E-02	4.50E-03
2.57E+01	2.70E-02	-6.48E-02	6.65E-03
2.57E+01	2.74E-02	-6.43E-02	8.26E-03
2.57E+01	2.75E-02	-6.41E-02	9.25E-03
2.57E+01	2.73E-02	-6.41E-02	8.61E-03
2.57E+01	2.68E-02	-6.45E-02	6.38E-03
2.57E+01	2.63E-02	-6.47E-02	4.00E-03
2.57E+01	2.60E-02	-6.45E-02	1.71E-03
2.58E+01	2.58E-02	-6.43E-02	3.34E-04
2.58E+01	2.59E-02	-6.37E-02	6.75E-04
2.58E+01	2.59E-02	-6.31E-02	2.12E-03
2.58E+01	2.57E-02	-6.28E-02	4.33E-03
2.58E+01	2.52E-02	-6.25E-02	6.00E-03
2.58E+01	2.45E-02	-6.28E-02	5.41E-03
2.58E+01	2.38E-02	-6.34E-02	2.87E-03
2.58E+01	2.31E-02	-6.36E-02	-3.69E-04
2.58E+01	2.27E-02	-6.34E-02	-3.49E-03
2.58E+01	2.28E-02	-6.27E-02	-5.67E-03
2.58E+01	2.29E-02	-6.12E-02	-6.75E-03
2.58E+01	2.31E-02	-5.99E-02	-6.57E-03
2.58E+01	2.31E-02	-5.79E-02	-4.29E-03
2.58E+01	2.28E-02	-5.65E-02	-1.38E-03
2.58E+01	2.20E-02	-5.69E-02	1.27E-03
2.58E+01	2.10E-02	-5.62E-02	4.90E-03

2.58E+01	1.96E-02	-5.53E-02	8.10E-03
2.58E+01	1.78E-02	-5.55E-02	9.99E-03
2.58E+01	1.68E-02	-5.44E-02	1.21E-02
2.58E+01	1.54E-02	-5.27E-02	1.40E-02
2.59E+01	1.40E-02	-5.10E-02	1.43E-02
2.59E+01	1.29E-02	-4.89E-02	1.41E-02
2.59E+01	1.17E-02	-4.68E-02	1.43E-02
2.59E+01	1.11E-02	-4.48E-02	1.41E-02
2.59E+01	1.04E-02	-4.31E-02	1.42E-02
2.59E+01	1.04E-02	-4.07E-02	1.51E-02
2.59E+01	1.10E-02	-3.77E-02	1.53E-02
2.59E+01	1.17E-02	-3.46E-02	1.42E-02
2.59E+01	1.32E-02	-3.08E-02	1.21E-02
2.59E+01	1.48E-02	-2.63E-02	1.01E-02
2.59E+01	1.69E-02	-2.15E-02	7.91E-03
2.59E+01	1.95E-02	-1.68E-02	5.18E-03
2.59E+01	2.16E-02	-1.19E-02	3.60E-03
2.59E+01	2.40E-02	-7.14E-03	2.74E-03
2.59E+01	2.61E-02	-3.41E-03	1.73E-03
2.59E+01	2.78E-02	-5.74E-05	1.43E-03
2.59E+01	2.97E-02	4.22E-03	1.42E-03
2.59E+01	3.09E-02	7.64E-03	1.40E-03
2.59E+01	3.16E-02	1.09E-02	1.71E-03
2.59E+01	3.25E-02	1.49E-02	2.15E-03
2.60E+01	3.28E-02	1.88E-02	3.48E-03
2.60E+01	3.29E-02	2.26E-02	6.98E-03
2.60E+01	3.30E-02	2.65E-02	1.21E-02
2.60E+01	3.26E-02	3.00E-02	1.72E-02
2.60E+01	3.17E-02	3.28E-02	2.16E-02
2.60E+01	3.05E-02	3.53E-02	2.48E-02
2.60E+01	2.91E-02	3.75E-02	2.66E-02
2.60E+01	2.76E-02	3.95E-02	2.74E-02
2.60E+01	2.60E-02	4.15E-02	2.79E-02
2.60E+01	2.44E-02	4.40E-02	2.80E-02
2.60E+01	2.30E-02	4.67E-02	2.70E-02
2.60E+01	2.15E-02	4.92E-02	2.46E-02
2.60E+01	1.99E-02	5.14E-02	2.04E-02
2.60E+01	1.86E-02	5.33E-02	1.43E-02
2.60E+01	1.75E-02	5.48E-02	7.16E-03
2.60E+01	1.67E-02	5.61E-02	6.53E-04
2.60E+01	1.62E-02	5.75E-02	-4.47E-03
2.60E+01	1.62E-02	5.86E-02	-8.27E-03
2.60E+01	1.61E-02	5.94E-02	-1.08E-02
2.60E+01	1.57E-02	6.01E-02	-1.29E-02
2.61E+01	1.53E-02	6.05E-02	-1.49E-02
2.61E+01	1.44E-02	6.09E-02	-1.60E-02
2.61E+01	1.32E-02	6.15E-02	-1.57E-02

2.61E+01	1.16E-02	6.21E-02	-1.44E-02
2.61E+01	9.40E-03	6.27E-02	-1.17E-02
2.61E+01	7.01E-03	6.30E-02	-8.03E-03
2.61E+01	4.11E-03	6.33E-02	-3.97E-03
2.61E+01	4.81E-04	6.31E-02	1.72E-04
2.61E+01	-3.58E-03	6.26E-02	4.12E-03
2.61E+01	-7.84E-03	6.20E-02	7.74E-03
2.61E+01	-1.22E-02	6.11E-02	1.12E-02
2.61E+01	-1.66E-02	6.01E-02	1.47E-02
2.61E+01	-2.10E-02	5.91E-02	1.80E-02
2.61E+01	-2.52E-02	5.79E-02	2.05E-02
2.61E+01	-2.93E-02	5.70E-02	2.24E-02
2.61E+01	-3.30E-02	5.61E-02	2.36E-02
2.61E+01	-3.62E-02	5.51E-02	2.38E-02
2.61E+01	-3.90E-02	5.41E-02	2.34E-02
2.61E+01	-4.13E-02	5.33E-02	2.20E-02
2.61E+01	-4.32E-02	5.26E-02	1.90E-02
2.62E+01	-4.46E-02	5.20E-02	1.48E-02
2.62E+01	-4.57E-02	5.18E-02	9.90E-03
2.62E+01	-4.62E-02	5.17E-02	5.06E-03
2.62E+01	-4.62E-02	5.17E-02	2.56E-04
2.62E+01	-4.59E-02	5.15E-02	-4.75E-03
2.62E+01	-4.52E-02	5.13E-02	-9.66E-03
2.62E+01	-4.43E-02	5.11E-02	-1.36E-02
2.62E+01	-4.32E-02	5.10E-02	-1.60E-02
2.62E+01	-4.17E-02	5.10E-02	-1.71E-02
2.62E+01	-4.03E-02	5.08E-02	-1.75E-02
2.62E+01	-3.90E-02	5.05E-02	-1.70E-02
2.62E+01	-3.77E-02	5.02E-02	-1.61E-02
2.62E+01	-3.67E-02	4.94E-02	-1.55E-02
2.62E+01	-3.59E-02	4.84E-02	-1.49E-02
2.62E+01	-3.52E-02	4.75E-02	-1.32E-02
2.62E+01	-3.44E-02	4.65E-02	-1.06E-02
2.62E+01	-3.35E-02	4.54E-02	-7.22E-03
2.62E+01	-3.30E-02	4.41E-02	-3.00E-03
2.62E+01	-3.26E-02	4.27E-02	9.77E-04
2.62E+01	-3.25E-02	4.14E-02	4.09E-03
2.63E+01	-3.28E-02	4.02E-02	6.75E-03
2.63E+01	-3.30E-02	3.93E-02	9.23E-03
2.63E+01	-3.33E-02	3.86E-02	1.11E-02
2.63E+01	-3.39E-02	3.82E-02	1.17E-02
2.63E+01	-3.47E-02	3.81E-02	1.08E-02
2.63E+01	-3.56E-02	3.84E-02	9.15E-03
2.63E+01	-3.64E-02	3.88E-02	7.49E-03
2.63E+01	-3.71E-02	3.94E-02	6.30E-03
2.63E+01	-3.77E-02	3.99E-02	5.14E-03
2.63E+01	-3.82E-02	4.05E-02	3.89E-03

2.63E+01	-3.90E-02	4.12E-02	2.65E-03
2.63E+01	-3.97E-02	4.19E-02	1.07E-03
2.63E+01	-4.06E-02	4.26E-02	-7.17E-04
2.63E+01	-4.14E-02	4.35E-02	-2.24E-03
2.63E+01	-4.21E-02	4.44E-02	-3.67E-03
2.63E+01	-4.29E-02	4.51E-02	-5.72E-03
2.63E+01	-4.36E-02	4.58E-02	-8.32E-03
2.63E+01	-4.43E-02	4.61E-02	-1.08E-02
2.63E+01	-4.47E-02	4.65E-02	-1.33E-02
2.63E+01	-4.48E-02	4.66E-02	-1.54E-02
2.64E+01	-4.47E-02	4.64E-02	-1.61E-02
2.64E+01	-4.45E-02	4.59E-02	-1.58E-02
2.64E+01	-4.45E-02	4.49E-02	-1.51E-02
2.64E+01	-4.44E-02	4.35E-02	-1.40E-02
2.64E+01	-4.40E-02	4.21E-02	-1.21E-02
2.64E+01	-4.34E-02	4.03E-02	-8.80E-03
2.64E+01	-4.25E-02	3.83E-02	-4.06E-03
2.64E+01	-4.14E-02	3.63E-02	-2.49E-04
2.64E+01	-4.01E-02	3.41E-02	1.12E-03
2.64E+01	-3.85E-02	3.19E-02	1.45E-03
2.64E+01	-3.65E-02	2.99E-02	2.50E-03
2.64E+01	-3.39E-02	2.80E-02	3.95E-03
2.64E+01	-3.09E-02	2.57E-02	5.16E-03
2.64E+01	-2.78E-02	2.36E-02	6.40E-03
2.64E+01	-2.47E-02	2.16E-02	7.09E-03
2.64E+01	-2.18E-02	1.92E-02	6.77E-03
2.64E+01	-1.93E-02	1.68E-02	6.31E-03
2.64E+01	-1.72E-02	1.45E-02	5.40E-03
2.64E+01	-1.53E-02	1.22E-02	3.50E-03
2.64E+01	-1.36E-02	1.02E-02	2.00E-03
2.65E+01	-1.22E-02	8.37E-03	1.92E-03
2.65E+01	-1.10E-02	6.70E-03	2.24E-03
2.65E+01	-1.02E-02	4.68E-03	1.91E-03
2.65E+01	-9.86E-03	2.46E-03	1.23E-03
2.65E+01	-9.75E-03	1.30E-04	7.32E-04
2.65E+01	-9.74E-03	-2.49E-03	2.24E-04
2.65E+01	-9.71E-03	-5.15E-03	-2.06E-04
2.65E+01	-9.98E-03	-7.94E-03	1.79E-04
2.65E+01	-1.03E-02	-1.05E-02	1.17E-03
2.65E+01	-1.06E-02	-1.28E-02	1.31E-03
2.65E+01	-1.15E-02	-1.57E-02	1.96E-04
2.65E+01	-1.27E-02	-1.86E-02	-8.92E-04
2.65E+01	-1.38E-02	-2.09E-02	-5.01E-04
2.65E+01	-1.50E-02	-2.31E-02	1.70E-03
2.65E+01	-1.62E-02	-2.51E-02	5.29E-03
2.65E+01	-1.77E-02	-2.67E-02	9.95E-03
2.65E+01	-1.93E-02	-2.77E-02	1.50E-02

2.65E+01	-2.13E-02	-2.84E-02	2.00E-02
2.65E+01	-2.35E-02	-2.92E-02	2.41E-02
2.65E+01	-2.56E-02	-2.99E-02	2.64E-02
2.66E+01	-2.74E-02	-3.07E-02	2.75E-02
2.66E+01	-2.88E-02	-3.12E-02	2.85E-02
2.66E+01	-2.95E-02	-3.11E-02	2.95E-02
2.66E+01	-2.99E-02	-3.09E-02	3.06E-02
2.66E+01	-3.00E-02	-3.04E-02	3.18E-02
2.66E+01	-2.98E-02	-2.98E-02	3.32E-02
2.66E+01	-2.93E-02	-2.96E-02	3.42E-02
2.66E+01	-2.86E-02	-2.96E-02	3.45E-02
2.66E+01	-2.81E-02	-2.99E-02	3.31E-02
2.66E+01	-2.80E-02	-3.06E-02	2.97E-02
2.66E+01	-2.75E-02	-3.09E-02	2.51E-02
2.66E+01	-2.64E-02	-3.06E-02	2.09E-02
2.66E+01	-2.50E-02	-3.00E-02	1.76E-02
2.66E+01	-2.32E-02	-2.93E-02	1.51E-02
2.66E+01	-2.12E-02	-2.89E-02	1.31E-02
2.66E+01	-1.93E-02	-2.91E-02	1.09E-02
2.66E+01	-1.75E-02	-3.01E-02	8.24E-03
2.66E+01	-1.58E-02	-3.17E-02	5.54E-03
2.66E+01	-1.40E-02	-3.33E-02	3.14E-03
2.66E+01	-1.19E-02	-3.49E-02	9.44E-04
2.67E+01	-9.64E-03	-3.64E-02	-9.91E-04
2.67E+01	-7.15E-03	-3.75E-02	-2.13E-03
2.67E+01	-4.48E-03	-3.86E-02	-2.05E-03
2.67E+01	-1.59E-03	-3.93E-02	-5.14E-04
2.67E+01	1.39E-03	-4.01E-02	2.43E-03
2.67E+01	4.43E-03	-4.12E-02	6.45E-03
2.67E+01	7.53E-03	-4.26E-02	1.11E-02
2.67E+01	1.06E-02	-4.42E-02	1.57E-02
2.67E+01	1.34E-02	-4.58E-02	2.02E-02
2.67E+01	1.63E-02	-4.76E-02	2.43E-02
2.67E+01	1.92E-02	-4.93E-02	2.77E-02
2.67E+01	2.21E-02	-5.09E-02	3.06E-02
2.67E+01	2.49E-02	-5.22E-02	3.29E-02
2.67E+01	2.75E-02	-5.38E-02	3.39E-02
2.67E+01	2.96E-02	-5.57E-02	3.34E-02
2.67E+01	3.15E-02	-5.79E-02	3.17E-02
2.67E+01	3.32E-02	-6.02E-02	2.91E-02
2.67E+01	3.45E-02	-6.26E-02	2.61E-02
2.67E+01	3.58E-02	-6.50E-02	2.31E-02
2.67E+01	3.67E-02	-6.73E-02	2.10E-02
2.68E+01	3.75E-02	-6.91E-02	1.99E-02
2.68E+01	3.78E-02	-7.08E-02	1.85E-02
2.68E+01	3.76E-02	-7.29E-02	1.58E-02
2.68E+01	3.71E-02	-7.43E-02	1.20E-02

2.68E+01	3.60E-02	-7.57E-02	7.45E-03
2.68E+01	3.51E-02	-7.68E-02	3.22E-03
2.68E+01	3.43E-02	-7.67E-02	2.77E-05
2.68E+01	3.35E-02	-7.62E-02	-2.76E-03
2.68E+01	3.29E-02	-7.55E-02	-5.37E-03
2.68E+01	3.23E-02	-7.43E-02	-6.84E-03
2.68E+01	3.19E-02	-7.25E-02	-6.88E-03
2.68E+01	3.16E-02	-7.04E-02	-5.98E-03
2.68E+01	3.14E-02	-6.85E-02	-4.74E-03
2.68E+01	3.14E-02	-6.66E-02	-3.70E-03
2.68E+01	3.13E-02	-6.45E-02	-2.86E-03
2.68E+01	3.12E-02	-6.22E-02	-2.03E-03
2.68E+01	3.13E-02	-5.96E-02	-1.14E-03
2.68E+01	3.10E-02	-5.67E-02	-1.51E-05
2.68E+01	3.01E-02	-5.37E-02	9.18E-04
2.68E+01	2.84E-02	-5.06E-02	3.58E-04
2.69E+01	2.59E-02	-4.76E-02	-2.66E-03
2.69E+01	2.30E-02	-4.47E-02	-7.18E-03
2.69E+01	1.99E-02	-4.17E-02	-1.15E-02
2.69E+01	1.71E-02	-3.80E-02	-1.42E-02
2.69E+01	1.47E-02	-3.37E-02	-1.49E-02
2.69E+01	1.28E-02	-2.92E-02	-1.35E-02
2.69E+01	1.11E-02	-2.49E-02	-9.94E-03
2.69E+01	9.82E-03	-2.10E-02	-6.08E-03
2.69E+01	8.72E-03	-1.80E-02	-3.86E-03
2.69E+01	7.61E-03	-1.61E-02	-3.05E-03
2.69E+01	6.72E-03	-1.48E-02	-3.50E-03
2.69E+01	6.06E-03	-1.40E-02	-4.56E-03
2.69E+01	5.47E-03	-1.34E-02	-5.75E-03
2.69E+01	4.97E-03	-1.25E-02	-7.22E-03
2.69E+01	4.28E-03	-1.18E-02	-8.64E-03
2.69E+01	3.43E-03	-1.13E-02	-9.77E-03
2.69E+01	2.34E-03	-1.11E-02	-1.06E-02
2.69E+01	9.30E-04	-1.13E-02	-1.14E-02
2.69E+01	-8.81E-04	-1.21E-02	-1.18E-02
2.69E+01	-3.08E-03	-1.30E-02	-1.20E-02
2.70E+01	-5.38E-03	-1.38E-02	-1.31E-02
2.70E+01	-7.93E-03	-1.46E-02	-1.48E-02
2.70E+01	-1.05E-02	-1.48E-02	-1.55E-02
2.70E+01	-1.25E-02	-1.42E-02	-1.49E-02
2.70E+01	-1.40E-02	-1.33E-02	-1.28E-02
2.70E+01	-1.55E-02	-1.23E-02	-9.12E-03
2.70E+01	-1.66E-02	-1.11E-02	-5.12E-03
2.70E+01	-1.74E-02	-1.03E-02	-2.40E-03
2.70E+01	-1.81E-02	-1.00E-02	-1.22E-03
2.70E+01	-1.84E-02	-9.70E-03	-1.95E-03
2.70E+01	-1.83E-02	-9.31E-03	-3.82E-03

2.70E+01	-1.76E-02	-8.41E-03	-4.90E-03
2.70E+01	-1.61E-02	-6.43E-03	-5.03E-03
2.70E+01	-1.40E-02	-3.94E-03	-4.66E-03
2.70E+01	-1.14E-02	-1.23E-03	-3.81E-03
2.70E+01	-8.33E-03	1.72E-03	-2.73E-03
2.70E+01	-4.96E-03	4.26E-03	-1.41E-03
2.70E+01	-1.35E-03	6.38E-03	1.68E-05
2.70E+01	2.45E-03	8.38E-03	1.10E-03
2.70E+01	6.23E-03	1.02E-02	1.60E-03
2.71E+01	9.78E-03	1.24E-02	1.16E-03
2.71E+01	1.30E-02	1.50E-02	-4.81E-04
2.71E+01	1.59E-02	1.78E-02	-2.99E-03
2.71E+01	1.85E-02	2.09E-02	-6.00E-03
2.71E+01	2.07E-02	2.39E-02	-9.09E-03
2.71E+01	2.24E-02	2.68E-02	-1.15E-02
2.71E+01	2.38E-02	2.96E-02	-1.32E-02
2.71E+01	2.47E-02	3.21E-02	-1.43E-02
2.71E+01	2.51E-02	3.45E-02	-1.47E-02
2.71E+01	2.51E-02	3.70E-02	-1.42E-02
2.71E+01	2.45E-02	3.95E-02	-1.30E-02
2.71E+01	2.33E-02	4.22E-02	-1.17E-02
2.71E+01	2.14E-02	4.51E-02	-1.10E-02
2.71E+01	1.91E-02	4.80E-02	-1.05E-02
2.71E+01	1.65E-02	5.13E-02	-1.07E-02
2.71E+01	1.40E-02	5.46E-02	-1.17E-02
2.71E+01	1.15E-02	5.80E-02	-1.24E-02
2.71E+01	9.54E-03	6.15E-02	-1.19E-02
2.71E+01	8.04E-03	6.44E-02	-1.04E-02
2.71E+01	6.93E-03	6.70E-02	-8.78E-03
2.72E+01	6.00E-03	6.93E-02	-7.30E-03
2.72E+01	5.27E-03	7.08E-02	-5.98E-03
2.72E+01	4.87E-03	7.18E-02	-4.27E-03
2.72E+01	4.71E-03	7.27E-02	-1.71E-03
2.72E+01	4.77E-03	7.32E-02	1.22E-03
2.72E+01	4.66E-03	7.36E-02	3.12E-03
2.72E+01	4.06E-03	7.40E-02	2.91E-03
2.72E+01	3.10E-03	7.41E-02	1.23E-03
2.72E+01	1.93E-03	7.41E-02	-1.76E-03
2.72E+01	7.81E-04	7.41E-02	-6.22E-03
2.72E+01	-4.02E-04	7.38E-02	-1.08E-02
2.72E+01	-1.73E-03	7.35E-02	-1.49E-02
2.72E+01	-2.85E-03	7.30E-02	-1.81E-02
2.72E+01	-3.80E-03	7.24E-02	-2.01E-02
2.72E+01	-4.61E-03	7.16E-02	-2.07E-02
2.72E+01	-5.23E-03	7.05E-02	-2.05E-02
2.72E+01	-5.78E-03	6.91E-02	-2.10E-02
2.72E+01	-6.15E-03	6.75E-02	-2.21E-02

2.72E+01	-6.28E-03	6.62E-02	-2.35E-02
2.72E+01	-5.95E-03	6.52E-02	-2.57E-02
2.73E+01	-5.07E-03	6.44E-02	-2.77E-02
2.73E+01	-3.63E-03	6.39E-02	-2.85E-02
2.73E+01	-1.73E-03	6.35E-02	-2.76E-02
2.73E+01	3.08E-04	6.30E-02	-2.48E-02
2.73E+01	2.51E-03	6.22E-02	-2.07E-02
2.73E+01	4.63E-03	6.11E-02	-1.57E-02
2.73E+01	6.40E-03	5.98E-02	-1.01E-02
2.73E+01	7.74E-03	5.88E-02	-4.66E-03
2.73E+01	8.63E-03	5.82E-02	-1.12E-04
2.73E+01	9.17E-03	5.80E-02	3.19E-03
2.73E+01	9.14E-03	5.83E-02	4.47E-03
2.73E+01	8.67E-03	5.90E-02	2.86E-03
2.73E+01	8.04E-03	5.97E-02	2.23E-05
2.73E+01	7.48E-03	6.04E-02	-1.95E-03
2.73E+01	6.90E-03	6.07E-02	-3.12E-03
2.73E+01	5.98E-03	6.04E-02	-4.25E-03
2.73E+01	4.70E-03	5.98E-02	-6.71E-03
2.73E+01	2.99E-03	5.91E-02	-1.15E-02
2.73E+01	1.18E-03	5.83E-02	-1.69E-02
2.73E+01	-2.21E-04	5.79E-02	-2.10E-02
2.74E+01	-1.00E-03	5.78E-02	-2.26E-02
2.74E+01	-1.18E-03	5.80E-02	-2.25E-02
2.74E+01	-1.10E-03	5.79E-02	-2.12E-02
2.74E+01	-7.18E-04	5.72E-02	-1.96E-02
2.74E+01	6.68E-05	5.57E-02	-1.78E-02
2.74E+01	1.31E-03	5.35E-02	-1.43E-02
2.74E+01	3.01E-03	5.12E-02	-9.96E-03
2.74E+01	4.76E-03	4.86E-02	-6.65E-03
2.74E+01	6.15E-03	4.59E-02	-3.98E-03
2.74E+01	7.06E-03	4.33E-02	-1.44E-03
2.74E+01	7.61E-03	4.07E-02	1.37E-03
2.74E+01	7.68E-03	3.78E-02	5.82E-03
2.74E+01	7.25E-03	3.48E-02	1.14E-02
2.74E+01	6.20E-03	3.13E-02	1.58E-02
2.74E+01	4.27E-03	2.75E-02	1.84E-02
2.74E+01	1.91E-03	2.38E-02	1.91E-02
2.74E+01	-3.85E-04	2.05E-02	1.83E-02
2.74E+01	-2.47E-03	1.75E-02	1.77E-02
2.74E+01	-4.21E-03	1.49E-02	1.76E-02
2.74E+01	-5.72E-03	1.22E-02	1.70E-02
2.75E+01	-7.10E-03	9.71E-03	1.49E-02
2.75E+01	-8.36E-03	7.30E-03	1.16E-02
2.75E+01	-9.31E-03	5.01E-03	8.22E-03
2.75E+01	-9.78E-03	2.96E-03	4.72E-03
2.75E+01	-9.94E-03	9.42E-04	8.53E-04

2.75E+01	-9.86E-03	-6.76E-04	-2.67E-03
2.75E+01	-9.74E-03	-1.66E-03	-4.95E-03
2.75E+01	-9.59E-03	-2.27E-03	-5.53E-03
2.75E+01	-9.42E-03	-2.53E-03	-5.09E-03
2.75E+01	-9.62E-03	-2.79E-03	-4.78E-03
2.75E+01	-9.96E-03	-2.92E-03	-4.41E-03
2.75E+01	-1.00E-02	-2.44E-03	-3.45E-03
2.75E+01	-9.61E-03	-1.77E-03	-1.75E-03
2.75E+01	-8.86E-03	-7.56E-04	1.21E-03
2.75E+01	-7.88E-03	8.88E-04	4.33E-03
2.75E+01	-6.52E-03	2.45E-03	5.53E-03
2.75E+01	-4.85E-03	3.98E-03	5.47E-03
2.75E+01	-2.91E-03	5.76E-03	6.00E-03
2.75E+01	-3.78E-04	7.36E-03	7.99E-03
2.75E+01	2.43E-03	8.70E-03	1.13E-02
2.76E+01	5.08E-03	9.71E-03	1.43E-02
2.76E+01	7.46E-03	1.02E-02	1.58E-02
2.76E+01	9.46E-03	1.06E-02	1.57E-02
2.76E+01	1.13E-02	1.13E-02	1.42E-02
2.76E+01	1.32E-02	1.19E-02	1.14E-02
2.76E+01	1.52E-02	1.27E-02	8.61E-03
2.76E+01	1.76E-02	1.39E-02	6.37E-03
2.76E+01	2.01E-02	1.54E-02	4.88E-03
2.76E+01	2.26E-02	1.70E-02	3.94E-03
2.76E+01	2.50E-02	1.84E-02	3.18E-03
2.76E+01	2.70E-02	1.94E-02	2.05E-03
2.76E+01	2.84E-02	2.00E-02	-4.94E-04
2.76E+01	2.94E-02	2.00E-02	-4.44E-03
2.76E+01	2.99E-02	1.99E-02	-8.16E-03
2.76E+01	3.03E-02	1.99E-02	-1.01E-02
2.76E+01	3.07E-02	1.99E-02	-9.54E-03
2.76E+01	3.08E-02	1.98E-02	-6.47E-03
2.76E+01	3.05E-02	1.97E-02	-1.29E-03
2.76E+01	2.98E-02	1.91E-02	4.18E-03
2.76E+01	2.88E-02	1.79E-02	7.63E-03
2.77E+01	2.77E-02	1.63E-02	8.90E-03
2.77E+01	2.65E-02	1.48E-02	9.25E-03
2.77E+01	2.56E-02	1.37E-02	9.35E-03
2.77E+01	2.48E-02	1.29E-02	9.51E-03
2.77E+01	2.43E-02	1.23E-02	9.87E-03
2.77E+01	2.40E-02	1.20E-02	1.07E-02
2.77E+01	2.36E-02	1.15E-02	1.18E-02
2.77E+01	2.28E-02	1.02E-02	1.25E-02
2.77E+01	2.18E-02	8.58E-03	1.22E-02
2.77E+01	2.05E-02	6.58E-03	1.04E-02
2.77E+01	1.92E-02	4.51E-03	7.43E-03
2.77E+01	1.81E-02	3.26E-03	3.96E-03

2.77E+01	1.72E-02	2.34E-03	3.03E-04
2.77E+01	1.65E-02	1.71E-03	-2.90E-03
2.77E+01	1.63E-02	1.59E-03	-4.29E-03
2.77E+01	1.62E-02	1.58E-03	-3.94E-03
2.77E+01	1.60E-02	1.17E-03	-2.76E-03
2.77E+01	1.58E-02	2.14E-04	-8.07E-04
2.77E+01	1.54E-02	-7.04E-04	1.68E-03
2.77E+01	1.48E-02	-1.68E-03	3.73E-03
2.78E+01	1.41E-02	-2.92E-03	5.43E-03
2.78E+01	1.37E-02	-3.69E-03	7.05E-03
2.78E+01	1.34E-02	-4.14E-03	7.65E-03
2.78E+01	1.34E-02	-4.78E-03	7.48E-03
2.78E+01	1.37E-02	-5.22E-03	7.95E-03
2.78E+01	1.41E-02	-5.71E-03	9.39E-03
2.78E+01	1.43E-02	-6.69E-03	1.07E-02
2.78E+01	1.44E-02	-8.26E-03	1.07E-02
2.78E+01	1.40E-02	-1.05E-02	8.89E-03
2.78E+01	1.35E-02	-1.29E-02	5.88E-03
2.78E+01	1.29E-02	-1.49E-02	2.64E-03
2.78E+01	1.22E-02	-1.63E-02	-3.05E-05
2.78E+01	1.16E-02	-1.71E-02	-1.34E-03
2.78E+01	1.10E-02	-1.74E-02	-5.37E-04
2.78E+01	1.06E-02	-1.72E-02	2.08E-03
2.78E+01	1.03E-02	-1.70E-02	5.10E-03
2.78E+01	9.79E-03	-1.70E-02	7.30E-03
2.78E+01	9.43E-03	-1.72E-02	8.19E-03
2.78E+01	9.46E-03	-1.76E-02	7.65E-03
2.78E+01	9.77E-03	-1.82E-02	6.24E-03
2.79E+01	1.04E-02	-1.82E-02	5.29E-03
2.79E+01	1.13E-02	-1.80E-02	5.37E-03
2.79E+01	1.25E-02	-1.79E-02	6.13E-03
2.79E+01	1.37E-02	-1.81E-02	7.34E-03
2.79E+01	1.48E-02	-1.88E-02	8.80E-03
2.79E+01	1.57E-02	-2.00E-02	9.88E-03
2.79E+01	1.65E-02	-2.16E-02	9.71E-03
2.79E+01	1.72E-02	-2.34E-02	7.52E-03
2.79E+01	1.79E-02	-2.53E-02	3.15E-03
2.79E+01	1.86E-02	-2.68E-02	-2.38E-03
2.79E+01	1.95E-02	-2.78E-02	-7.85E-03
2.79E+01	2.04E-02	-2.86E-02	-1.24E-02
2.79E+01	2.14E-02	-2.94E-02	-1.51E-02
2.79E+01	2.24E-02	-3.04E-02	-1.63E-02
2.79E+01	2.29E-02	-3.18E-02	-1.68E-02
2.79E+01	2.29E-02	-3.36E-02	-1.76E-02
2.79E+01	2.23E-02	-3.54E-02	-1.91E-02
2.79E+01	2.16E-02	-3.69E-02	-2.14E-02
2.79E+01	2.10E-02	-3.76E-02	-2.37E-02

2.79E+01	2.05E-02	-3.73E-02	-2.52E-02
2.80E+01	2.02E-02	-3.62E-02	-2.52E-02
2.80E+01	2.00E-02	-3.43E-02	-2.34E-02
2.80E+01	1.97E-02	-3.24E-02	-2.09E-02
2.80E+01	1.93E-02	-3.08E-02	-1.89E-02
2.80E+01	1.85E-02	-2.99E-02	-1.74E-02
2.80E+01	1.77E-02	-2.94E-02	-1.61E-02
2.80E+01	1.69E-02	-2.92E-02	-1.41E-02
2.80E+01	1.59E-02	-2.91E-02	-1.14E-02
2.80E+01	1.49E-02	-2.91E-02	-8.53E-03
2.80E+01	1.35E-02	-2.91E-02	-6.24E-03
2.80E+01	1.16E-02	-2.91E-02	-4.75E-03
2.80E+01	9.40E-03	-2.89E-02	-3.82E-03
2.80E+01	7.00E-03	-2.88E-02	-2.81E-03
2.80E+01	4.58E-03	-2.89E-02	-2.11E-03
2.80E+01	2.02E-03	-2.92E-02	-2.58E-03
2.80E+01	-4.27E-04	-2.97E-02	-4.08E-03
2.80E+01	-2.66E-03	-3.02E-02	-6.09E-03
2.80E+01	-4.66E-03	-3.07E-02	-8.51E-03
2.80E+01	-6.17E-03	-3.11E-02	-1.12E-02
2.80E+01	-7.52E-03	-3.12E-02	-1.38E-02
2.81E+01	-8.95E-03	-3.11E-02	-1.63E-02
2.81E+01	-1.04E-02	-3.07E-02	-1.86E-02
2.81E+01	-1.20E-02	-3.00E-02	-2.06E-02
2.81E+01	-1.37E-02	-2.90E-02	-2.21E-02
2.81E+01	-1.55E-02	-2.72E-02	-2.21E-02
2.81E+01	-1.73E-02	-2.48E-02	-2.06E-02
2.81E+01	-1.91E-02	-2.21E-02	-1.83E-02
2.81E+01	-2.13E-02	-1.94E-02	-1.60E-02
2.81E+01	-2.37E-02	-1.69E-02	-1.41E-02
2.81E+01	-2.62E-02	-1.47E-02	-1.25E-02
2.81E+01	-2.86E-02	-1.27E-02	-1.10E-02
2.81E+01	-3.09E-02	-1.12E-02	-9.65E-03
2.81E+01	-3.29E-02	-1.01E-02	-8.65E-03
2.81E+01	-3.46E-02	-9.23E-03	-8.19E-03
2.81E+01	-3.58E-02	-8.59E-03	-8.13E-03
2.81E+01	-3.67E-02	-8.08E-03	-8.40E-03
2.81E+01	-3.71E-02	-7.71E-03	-9.15E-03
2.81E+01	-3.70E-02	-7.36E-03	-1.02E-02
2.81E+01	-3.66E-02	-6.93E-03	-1.08E-02
2.81E+01	-3.59E-02	-6.65E-03	-1.08E-02
2.82E+01	-3.51E-02	-6.42E-03	-1.02E-02
2.82E+01	-3.40E-02	-6.21E-03	-8.83E-03
2.82E+01	-3.33E-02	-6.15E-03	-7.41E-03
2.82E+01	-3.25E-02	-6.24E-03	-6.39E-03
2.82E+01	-3.15E-02	-6.22E-03	-5.23E-03
2.82E+01	-3.02E-02	-5.68E-03	-3.84E-03

2.82E+01	-2.84E-02	-4.66E-03	-2.49E-03
2.82E+01	-2.61E-02	-3.22E-03	-1.35E-03
2.82E+01	-2.40E-02	-1.21E-03	-1.31E-03
2.82E+01	-2.17E-02	1.27E-03	-2.51E-03
2.82E+01	-1.95E-02	4.18E-03	-4.19E-03
2.82E+01	-1.74E-02	7.28E-03	-5.88E-03
2.82E+01	-1.56E-02	1.03E-02	-6.84E-03
2.82E+01	-1.42E-02	1.34E-02	-6.57E-03
2.82E+01	-1.31E-02	1.58E-02	-5.21E-03
2.82E+01	-1.25E-02	1.75E-02	-2.96E-03
2.82E+01	-1.23E-02	1.86E-02	1.01E-04
2.82E+01	-1.26E-02	1.90E-02	3.27E-03
2.82E+01	-1.28E-02	1.89E-02	5.69E-03
2.82E+01	-1.32E-02	1.86E-02	7.27E-03
2.83E+01	-1.35E-02	1.85E-02	7.85E-03
2.83E+01	-1.34E-02	1.87E-02	7.00E-03
2.83E+01	-1.28E-02	1.92E-02	4.63E-03
2.83E+01	-1.16E-02	2.02E-02	1.02E-03
2.83E+01	-9.55E-03	2.14E-02	-3.01E-03
2.83E+01	-6.97E-03	2.24E-02	-6.10E-03
2.83E+01	-4.09E-03	2.33E-02	-7.94E-03
2.83E+01	-1.28E-03	2.33E-02	-9.09E-03
2.83E+01	1.01E-03	2.27E-02	-1.02E-02
2.83E+01	2.64E-03	2.18E-02	-1.30E-02
2.83E+01	3.84E-03	2.00E-02	-1.60E-02
2.83E+01	4.95E-03	1.87E-02	-1.84E-02
2.83E+01	5.47E-03	1.67E-02	-1.99E-02
2.83E+01	5.94E-03	1.55E-02	-2.04E-02
2.83E+01	5.61E-03	1.33E-02	-2.16E-02
2.83E+01	4.40E-03	1.06E-02	-2.03E-02
2.83E+01	3.57E-03	1.00E-02	-2.02E-02
2.83E+01	1.46E-03	6.39E-03	-2.24E-02
2.83E+01	-8.36E-04	3.31E-03	-1.77E-02
2.83E+01	-3.06E-03	1.77E-03	-1.36E-02
2.84E+01	-6.18E-03	-1.80E-03	-1.50E-02
2.84E+01	-8.83E-03	-4.20E-03	-1.44E-02
2.84E+01	-1.20E-02	-5.57E-03	-1.10E-02
2.84E+01	-1.50E-02	-7.26E-03	-6.60E-03
2.84E+01	-1.71E-02	-8.73E-03	-5.92E-04
2.84E+01	-1.94E-02	-9.48E-03	7.01E-03
2.84E+01	-2.13E-02	-1.01E-02	1.42E-02
2.84E+01	-2.32E-02	-1.08E-02	2.03E-02
2.84E+01	-2.49E-02	-1.11E-02	2.54E-02
2.84E+01	-2.59E-02	-1.03E-02	2.91E-02
2.84E+01	-2.69E-02	-8.87E-03	3.01E-02
2.84E+01	-2.75E-02	-7.26E-03	2.88E-02
2.84E+01	-2.77E-02	-4.39E-03	2.63E-02

2.84E+01	-2.79E-02	-1.15E-03	2.21E-02
2.84E+01	-2.71E-02	2.41E-03	1.82E-02
2.84E+01	-2.58E-02	6.15E-03	1.61E-02
2.84E+01	-2.42E-02	9.35E-03	1.49E-02
2.84E+01	-2.18E-02	1.25E-02	1.51E-02
2.84E+01	-1.94E-02	1.53E-02	1.61E-02
2.84E+01	-1.66E-02	1.75E-02	1.68E-02
2.85E+01	-1.33E-02	1.92E-02	1.72E-02
2.85E+01	-9.90E-03	2.05E-02	1.75E-02
2.85E+01	-6.53E-03	2.08E-02	1.74E-02
2.85E+01	-3.01E-03	2.04E-02	1.62E-02
2.85E+01	-2.62E-04	1.90E-02	1.50E-02
2.85E+01	2.28E-03	1.75E-02	1.37E-02
2.85E+01	5.24E-03	1.62E-02	1.14E-02
2.85E+01	7.37E-03	1.42E-02	9.98E-03
2.85E+01	9.59E-03	1.18E-02	9.77E-03
2.85E+01	1.19E-02	9.57E-03	9.14E-03
2.85E+01	1.38E-02	7.15E-03	7.44E-03
2.85E+01	1.59E-02	4.29E-03	5.67E-03
2.85E+01	1.78E-02	1.95E-03	4.70E-03
2.85E+01	1.96E-02	-5.22E-04	4.35E-03
2.85E+01	2.13E-02	-2.86E-03	4.68E-03
2.85E+01	2.26E-02	-4.82E-03	5.72E-03
2.85E+01	2.32E-02	-7.11E-03	7.09E-03
2.85E+01	2.30E-02	-9.46E-03	7.79E-03
2.85E+01	2.18E-02	-1.22E-02	7.76E-03
2.85E+01	1.94E-02	-1.48E-02	7.50E-03
2.86E+01	1.60E-02	-1.73E-02	6.91E-03
2.86E+01	1.17E-02	-1.95E-02	6.90E-03
2.86E+01	7.03E-03	-2.08E-02	7.89E-03
2.86E+01	2.38E-03	-2.18E-02	8.82E-03
2.86E+01	-2.03E-03	-2.21E-02	1.00E-02
2.86E+01	-5.87E-03	-2.18E-02	1.21E-02
2.86E+01	-9.02E-03	-2.15E-02	1.42E-02
2.86E+01	-1.14E-02	-2.14E-02	1.61E-02
2.86E+01	-1.26E-02	-2.13E-02	1.81E-02
2.86E+01	-1.29E-02	-2.11E-02	1.97E-02
2.86E+01	-1.24E-02	-2.10E-02	2.03E-02
2.86E+01	-1.12E-02	-2.10E-02	1.96E-02
2.86E+01	-9.35E-03	-2.07E-02	1.75E-02
2.86E+01	-7.02E-03	-2.01E-02	1.47E-02
2.86E+01	-4.60E-03	-1.93E-02	1.18E-02
2.86E+01	-2.15E-03	-1.82E-02	8.00E-03
2.86E+01	-6.43E-05	-1.73E-02	3.96E-03
2.86E+01	2.14E-03	-1.68E-02	7.30E-04
2.86E+01	4.26E-03	-1.64E-02	-5.46E-04
2.86E+01	5.63E-03	-1.64E-02	3.73E-04

2.87E+01	6.51E-03	-1.69E-02	2.15E-03
2.87E+01	6.45E-03	-1.80E-02	3.52E-03
2.87E+01	5.80E-03	-1.93E-02	2.82E-03
2.87E+01	4.92E-03	-2.04E-02	3.48E-04
2.87E+01	3.44E-03	-2.11E-02	-2.40E-03
2.87E+01	1.83E-03	-2.11E-02	-5.34E-03
2.87E+01	6.23E-04	-2.10E-02	-7.17E-03
2.87E+01	-1.59E-04	-2.09E-02	-6.60E-03
2.87E+01	-5.02E-04	-2.10E-02	-4.47E-03
2.87E+01	-4.78E-04	-2.17E-02	-1.48E-03
2.87E+01	-2.46E-04	-2.27E-02	2.16E-03
2.87E+01	3.24E-04	-2.40E-02	5.51E-03
2.87E+01	9.43E-04	-2.60E-02	8.15E-03
2.87E+01	1.34E-03	-2.81E-02	1.03E-02
2.87E+01	1.71E-03	-3.04E-02	1.20E-02
2.87E+01	2.08E-03	-3.27E-02	1.36E-02
2.87E+01	2.27E-03	-3.48E-02	1.43E-02
2.87E+01	2.26E-03	-3.72E-02	1.36E-02
2.87E+01	2.33E-03	-3.95E-02	1.21E-02
2.87E+01	2.42E-03	-4.15E-02	1.07E-02
2.88E+01	2.50E-03	-4.38E-02	1.01E-02
2.88E+01	2.79E-03	-4.60E-02	1.02E-02
2.88E+01	3.18E-03	-4.80E-02	1.06E-02
2.88E+01	3.56E-03	-4.98E-02	1.04E-02
2.88E+01	3.73E-03	-5.16E-02	8.61E-03
2.88E+01	3.54E-03	-5.35E-02	5.14E-03
2.88E+01	3.29E-03	-5.49E-02	7.98E-04
2.88E+01	3.06E-03	-5.61E-02	-3.24E-03
2.88E+01	2.52E-03	-5.71E-02	-5.79E-03
2.88E+01	1.80E-03	-5.81E-02	-6.77E-03
2.88E+01	7.54E-04	-5.89E-02	-6.97E-03
2.88E+01	-7.27E-04	-5.95E-02	-7.31E-03
2.88E+01	-2.26E-03	-6.00E-02	-7.70E-03
2.88E+01	-3.88E-03	-6.01E-02	-7.62E-03
2.88E+01	-5.33E-03	-5.97E-02	-6.29E-03
2.88E+01	-6.53E-03	-5.84E-02	-3.31E-03
2.88E+01	-7.41E-03	-5.64E-02	3.94E-04
2.88E+01	-7.80E-03	-5.38E-02	4.33E-03
2.88E+01	-7.85E-03	-5.08E-02	8.14E-03
2.88E+01	-7.51E-03	-4.79E-02	1.20E-02
2.89E+01	-6.60E-03	-4.51E-02	1.65E-02
2.89E+01	-5.22E-03	-4.24E-02	2.06E-02
2.89E+01	-3.76E-03	-4.03E-02	2.34E-02
2.89E+01	-2.19E-03	-3.85E-02	2.51E-02
2.89E+01	-6.90E-04	-3.63E-02	2.55E-02
2.89E+01	6.97E-04	-3.43E-02	2.53E-02
2.89E+01	2.14E-03	-3.22E-02	2.62E-02

2.89E+01	3.58E-03	-2.95E-02	2.60E-02
2.89E+01	5.06E-03	-2.67E-02	2.43E-02
2.89E+01	6.28E-03	-2.42E-02	2.20E-02
2.89E+01	7.47E-03	-2.15E-02	1.75E-02
2.89E+01	8.97E-03	-1.89E-02	1.04E-02
2.89E+01	1.07E-02	-1.67E-02	2.86E-03
2.89E+01	1.24E-02	-1.43E-02	-4.91E-03
2.89E+01	1.41E-02	-1.24E-02	-1.30E-02
2.89E+01	1.55E-02	-1.12E-02	-2.01E-02
2.89E+01	1.64E-02	-1.01E-02	-2.53E-02
2.89E+01	1.71E-02	-9.52E-03	-2.81E-02
2.89E+01	1.70E-02	-9.45E-03	-2.83E-02
2.89E+01	1.57E-02	-1.00E-02	-2.75E-02
2.90E+01	1.35E-02	-1.17E-02	-2.65E-02
2.90E+01	1.07E-02	-1.34E-02	-2.57E-02
2.90E+01	7.27E-03	-1.50E-02	-2.56E-02
2.90E+01	3.60E-03	-1.66E-02	-2.57E-02
2.90E+01	-1.37E-05	-1.75E-02	-2.52E-02
2.90E+01	-3.58E-03	-1.82E-02	-2.43E-02
2.90E+01	-6.97E-03	-1.89E-02	-2.28E-02
2.90E+01	-9.90E-03	-1.97E-02	-2.09E-02
2.90E+01	-1.24E-02	-2.08E-02	-1.89E-02
2.90E+01	-1.42E-02	-2.21E-02	-1.68E-02
2.90E+01	-1.52E-02	-2.37E-02	-1.49E-02
2.90E+01	-1.53E-02	-2.51E-02	-1.33E-02
2.90E+01	-1.44E-02	-2.65E-02	-1.16E-02
2.90E+01	-1.24E-02	-2.75E-02	-9.58E-03
2.90E+01	-9.48E-03	-2.80E-02	-7.65E-03
2.90E+01	-6.04E-03	-2.82E-02	-6.87E-03
2.90E+01	-2.37E-03	-2.82E-02	-7.70E-03
2.90E+01	1.40E-03	-2.81E-02	-9.84E-03
2.90E+01	4.96E-03	-2.82E-02	-1.24E-02
2.90E+01	8.18E-03	-2.80E-02	-1.41E-02
2.91E+01	1.09E-02	-2.72E-02	-1.46E-02
2.91E+01	1.29E-02	-2.58E-02	-1.40E-02
2.91E+01	1.40E-02	-2.38E-02	-1.32E-02
2.91E+01	1.42E-02	-2.13E-02	-1.30E-02
2.91E+01	1.36E-02	-1.85E-02	-1.30E-02
2.91E+01	1.22E-02	-1.57E-02	-1.24E-02
2.91E+01	1.02E-02	-1.30E-02	-1.16E-02
2.91E+01	7.79E-03	-1.06E-02	-1.13E-02
2.91E+01	5.16E-03	-8.54E-03	-1.16E-02
2.91E+01	2.60E-03	-6.72E-03	-1.18E-02
2.91E+01	2.44E-04	-5.23E-03	-1.15E-02
2.91E+01	-1.82E-03	-4.03E-03	-1.19E-02
2.91E+01	-3.57E-03	-3.09E-03	-1.36E-02
2.91E+01	-4.87E-03	-2.28E-03	-1.66E-02

2.91E+01	-5.42E-03	-1.49E-03	-1.98E-02
2.91E+01	-5.00E-03	-7.60E-04	-2.17E-02
2.91E+01	-3.52E-03	-2.86E-04	-2.14E-02
2.91E+01	-1.01E-03	-3.07E-04	-1.94E-02
2.91E+01	2.20E-03	-1.14E-03	-1.62E-02
2.91E+01	5.84E-03	-2.88E-03	-1.22E-02
2.92E+01	9.55E-03	-5.18E-03	-7.77E-03
2.92E+01	1.29E-02	-7.41E-03	-3.54E-03
2.92E+01	1.55E-02	-9.15E-03	-3.98E-04
2.92E+01	1.74E-02	-1.02E-02	8.66E-04
2.92E+01	1.85E-02	-1.06E-02	3.44E-04
2.92E+01	1.89E-02	-1.03E-02	-8.73E-04
2.92E+01	1.88E-02	-9.29E-03	-1.69E-03
2.92E+01	1.81E-02	-8.01E-03	-1.81E-03
2.92E+01	1.65E-02	-7.04E-03	-1.53E-03
2.92E+01	1.39E-02	-6.60E-03	-1.46E-03
2.92E+01	1.05E-02	-6.89E-03	-2.23E-03
2.92E+01	6.55E-03	-7.56E-03	-3.61E-03
2.92E+01	2.69E-03	-8.13E-03	-4.97E-03
2.92E+01	-6.49E-04	-8.59E-03	-6.19E-03
2.92E+01	-3.44E-03	-8.82E-03	-7.13E-03
2.92E+01	-5.45E-03	-8.82E-03	-7.63E-03
2.92E+01	-6.48E-03	-8.47E-03	-8.07E-03
2.92E+01	-6.42E-03	-7.81E-03	-8.60E-03
2.92E+01	-5.20E-03	-7.01E-03	-8.72E-03
2.92E+01	-2.95E-03	-5.87E-03	-8.29E-03
2.93E+01	7.31E-05	-4.54E-03	-7.78E-03
2.93E+01	3.41E-03	-3.07E-03	-7.31E-03
2.93E+01	6.55E-03	-1.37E-03	-6.54E-03
2.93E+01	8.97E-03	2.79E-04	-5.15E-03
2.93E+01	1.03E-02	1.80E-03	-2.75E-03
2.93E+01	1.07E-02	3.17E-03	5.37E-04
2.93E+01	1.02E-02	4.26E-03	3.96E-03
2.93E+01	9.09E-03	5.22E-03	6.99E-03
2.93E+01	7.63E-03	6.26E-03	9.33E-03
2.93E+01	6.06E-03	7.51E-03	1.10E-02
2.93E+01	4.57E-03	8.93E-03	1.24E-02
2.93E+01	3.12E-03	1.02E-02	1.38E-02
2.93E+01	1.69E-03	1.11E-02	1.47E-02
2.93E+01	3.08E-04	1.13E-02	1.44E-02
2.93E+01	-1.21E-03	1.04E-02	1.29E-02
2.93E+01	-2.88E-03	8.60E-03	1.05E-02
2.93E+01	-4.58E-03	6.37E-03	8.10E-03
2.93E+01	-6.32E-03	4.34E-03	6.23E-03
2.93E+01	-7.97E-03	3.08E-03	4.96E-03
2.93E+01	-9.37E-03	2.74E-03	3.85E-03
2.94E+01	-1.04E-02	3.28E-03	2.58E-03

2.94E+01	-1.10E-02	4.63E-03	1.44E-03
2.94E+01	-1.09E-02	6.66E-03	3.34E-04
2.94E+01	-9.99E-03	9.07E-03	-5.97E-04
2.94E+01	-8.21E-03	1.17E-02	-6.95E-04
2.94E+01	-5.75E-03	1.43E-02	1.44E-04
2.94E+01	-3.02E-03	1.69E-02	1.67E-03
2.94E+01	-5.00E-04	1.92E-02	3.53E-03
2.94E+01	1.41E-03	2.12E-02	5.24E-03
2.94E+01	2.43E-03	2.29E-02	6.53E-03
2.94E+01	2.47E-03	2.45E-02	7.35E-03
2.94E+01	1.64E-03	2.61E-02	7.88E-03
2.94E+01	1.68E-04	2.78E-02	8.42E-03
2.94E+01	-1.82E-03	2.97E-02	9.00E-03
2.94E+01	-4.12E-03	3.18E-02	9.38E-03
2.94E+01	-6.45E-03	3.43E-02	9.86E-03
2.94E+01	-8.53E-03	3.69E-02	1.11E-02
2.94E+01	-1.02E-02	3.97E-02	1.28E-02
2.94E+01	-1.14E-02	4.23E-02	1.40E-02
2.94E+01	-1.23E-02	4.48E-02	1.37E-02
2.95E+01	-1.26E-02	4.70E-02	1.19E-02
2.95E+01	-1.22E-02	4.91E-02	8.73E-03
2.95E+01	-1.11E-02	5.08E-02	5.06E-03
2.95E+01	-9.28E-03	5.22E-02	1.89E-03
2.95E+01	-6.88E-03	5.32E-02	-2.04E-04
2.95E+01	-4.21E-03	5.38E-02	-1.25E-03
2.95E+01	-1.56E-03	5.36E-02	-1.33E-03
2.95E+01	6.83E-04	5.28E-02	-6.79E-04
2.95E+01	2.32E-03	5.14E-02	6.18E-05
2.95E+01	3.28E-03	4.98E-02	7.07E-04
2.95E+01	3.59E-03	4.82E-02	1.52E-03
2.95E+01	3.56E-03	4.69E-02	2.85E-03
2.95E+01	3.45E-03	4.60E-02	5.13E-03
2.95E+01	3.52E-03	4.57E-02	8.14E-03
2.95E+01	3.90E-03	4.55E-02	1.10E-02
2.95E+01	4.48E-03	4.52E-02	1.31E-02
2.95E+01	5.24E-03	4.46E-02	1.50E-02
2.95E+01	6.05E-03	4.37E-02	1.71E-02
2.95E+01	6.78E-03	4.28E-02	1.96E-02
2.95E+01	7.33E-03	4.17E-02	2.22E-02
2.96E+01	7.74E-03	4.05E-02	2.44E-02
2.96E+01	7.94E-03	3.93E-02	2.62E-02
2.96E+01	7.68E-03	3.81E-02	2.76E-02
2.96E+01	7.24E-03	3.71E-02	2.85E-02
2.96E+01	6.67E-03	3.62E-02	2.91E-02
2.96E+01	6.10E-03	3.54E-02	2.88E-02
2.96E+01	5.58E-03	3.47E-02	2.82E-02
2.96E+01	4.91E-03	3.41E-02	2.76E-02

2.96E+01	4.28E-03	3.37E-02	2.63E-02
2.96E+01	3.70E-03	3.35E-02	2.42E-02
2.96E+01	3.25E-03	3.33E-02	2.13E-02
2.96E+01	2.90E-03	3.30E-02	1.80E-02
2.96E+01	2.74E-03	3.29E-02	1.45E-02
2.96E+01	2.81E-03	3.31E-02	1.17E-02
2.96E+01	3.05E-03	3.39E-02	1.04E-02
2.96E+01	3.74E-03	3.49E-02	1.03E-02
2.96E+01	4.58E-03	3.56E-02	1.10E-02
2.96E+01	5.35E-03	3.59E-02	1.18E-02
2.96E+01	6.06E-03	3.61E-02	1.26E-02
2.96E+01	6.59E-03	3.62E-02	1.36E-02
2.97E+01	7.07E-03	3.63E-02	1.48E-02
2.97E+01	7.34E-03	3.64E-02	1.61E-02
2.97E+01	7.41E-03	3.68E-02	1.70E-02
2.97E+01	7.52E-03	3.72E-02	1.75E-02
2.97E+01	7.54E-03	3.74E-02	1.74E-02
2.97E+01	7.36E-03	3.75E-02	1.58E-02
2.97E+01	6.98E-03	3.74E-02	1.26E-02
2.97E+01	6.62E-03	3.72E-02	8.35E-03
2.97E+01	6.39E-03	3.70E-02	4.13E-03
2.97E+01	6.37E-03	3.67E-02	8.93E-04
2.97E+01	6.57E-03	3.64E-02	-9.98E-04
2.97E+01	6.91E-03	3.63E-02	-2.21E-03
2.97E+01	7.33E-03	3.57E-02	-3.90E-03
2.97E+01	7.70E-03	3.50E-02	-6.16E-03
2.97E+01	8.17E-03	3.42E-02	-8.89E-03
2.97E+01	8.96E-03	3.31E-02	-1.15E-02
2.97E+01	1.00E-02	3.23E-02	-1.34E-02
2.97E+01	1.15E-02	3.14E-02	-1.44E-02
2.97E+01	1.35E-02	3.05E-02	-1.37E-02
2.97E+01	1.55E-02	2.98E-02	-1.07E-02
2.98E+01	1.76E-02	2.89E-02	-6.39E-03
2.98E+01	1.96E-02	2.78E-02	-1.72E-03
2.98E+01	2.13E-02	2.68E-02	2.06E-03
2.98E+01	2.25E-02	2.62E-02	3.81E-03
2.98E+01	2.33E-02	2.62E-02	3.63E-03
2.98E+01	2.35E-02	2.67E-02	2.57E-03
2.98E+01	2.29E-02	2.77E-02	1.32E-03
2.98E+01	2.15E-02	2.88E-02	4.10E-04
2.98E+01	1.87E-02	2.96E-02	6.52E-04
2.98E+01	1.42E-02	2.98E-02	1.66E-03
2.98E+01	8.14E-03	2.85E-02	2.20E-03
2.98E+01	6.87E-04	2.56E-02	1.74E-03
2.98E+01	-7.26E-03	2.20E-02	3.21E-04
2.98E+01	-1.50E-02	1.82E-02	-2.16E-03
2.98E+01	-2.20E-02	1.45E-02	-5.70E-03

2.98E+01	-2.79E-02	1.11E-02	-9.46E-03
2.98E+01	-3.27E-02	7.97E-03	-1.24E-02
2.98E+01	-3.60E-02	5.19E-03	-1.42E-02
2.98E+01	-3.80E-02	2.43E-03	-1.55E-02
2.98E+01	-3.86E-02	-8.85E-04	-1.67E-02
2.99E+01	-3.74E-02	-4.59E-03	-1.69E-02
2.99E+01	-3.42E-02	-8.44E-03	-1.61E-02
2.99E+01	-2.92E-02	-1.24E-02	-1.53E-02
2.99E+01	-2.36E-02	-1.64E-02	-1.52E-02
2.99E+01	-1.78E-02	-2.00E-02	-1.55E-02
2.99E+01	-1.22E-02	-2.30E-02	-1.57E-02
2.99E+01	-7.32E-03	-2.62E-02	-1.53E-02
2.99E+01	-3.51E-03	-2.94E-02	-1.39E-02
2.99E+01	-9.80E-04	-3.26E-02	-1.13E-02
2.99E+01	3.44E-04	-3.57E-02	-8.45E-03
2.99E+01	3.83E-04	-3.84E-02	-5.77E-03
2.99E+01	-8.03E-04	-4.09E-02	-4.09E-03
2.99E+01	-2.96E-03	-4.29E-02	-3.99E-03
2.99E+01	-5.82E-03	-4.42E-02	-4.68E-03
2.99E+01	-9.18E-03	-4.47E-02	-5.45E-03
2.99E+01	-1.30E-02	-4.46E-02	-7.01E-03
2.99E+01	-1.68E-02	-4.45E-02	-9.60E-03
2.99E+01	-2.05E-02	-4.42E-02	-1.24E-02
2.99E+01	-2.38E-02	-4.36E-02	-1.47E-02
2.99E+01	-2.61E-02	-4.28E-02	-1.63E-02
3.00E+01	-2.78E-02	-4.20E-02	-1.69E-02
3.00E+01	-2.91E-02	-4.06E-02	-1.64E-02
3.00E+01	-2.99E-02	-3.87E-02	-1.41E-02
3.00E+01	-3.04E-02	-3.65E-02	-9.71E-03
3.00E+01	-3.04E-02	-3.36E-02	-5.06E-03
3.00E+01	-3.02E-02	-3.12E-02	-2.34E-03
3.00E+01	-2.97E-02	-2.93E-02	-1.93E-03
3.00E+01	-2.85E-02	-2.72E-02	-2.86E-03
3.00E+01	-2.65E-02	-2.48E-02	-4.64E-03
3.00E+01	-2.37E-02	-2.23E-02	-7.34E-03
3.00E+01	-2.05E-02	-2.00E-02	-1.10E-02
3.00E+01	-1.73E-02	-1.82E-02	-1.56E-02
3.00E+01	-1.42E-02	-1.63E-02	-1.99E-02
3.00E+01	-1.10E-02	-1.48E-02	-2.21E-02
3.00E+01	-8.05E-03	-1.35E-02	-2.28E-02
3.00E+01	-5.72E-03	-1.22E-02	-2.37E-02
3.00E+01	-4.18E-03	-1.13E-02	-2.46E-02
3.00E+01	-3.58E-03	-1.01E-02	-2.45E-02
3.00E+01	-3.65E-03	-8.50E-03	-2.33E-02
3.00E+01	-4.23E-03	-7.05E-03	-2.22E-02
3.01E+01	-5.49E-03	-5.59E-03	-2.15E-02
3.01E+01	-7.11E-03	-4.33E-03	-2.12E-02

3.01E+01	-8.56E-03	-3.15E-03	-2.09E-02
3.01E+01	-9.59E-03	-2.25E-03	-2.04E-02
3.01E+01	-1.00E-02	-1.95E-03	-1.90E-02
3.01E+01	-9.87E-03	-1.98E-03	-1.64E-02
3.01E+01	-9.27E-03	-2.45E-03	-1.26E-02
3.01E+01	-8.52E-03	-3.43E-03	-7.93E-03
3.01E+01	-7.57E-03	-4.98E-03	-3.14E-03
3.01E+01	-6.24E-03	-7.13E-03	6.44E-04
3.01E+01	-4.72E-03	-9.45E-03	3.06E-03
3.01E+01	-2.62E-03	-1.16E-02	4.47E-03
3.01E+01	3.85E-04	-1.31E-02	5.70E-03
3.01E+01	4.13E-03	-1.41E-02	7.43E-03
3.01E+01	8.27E-03	-1.50E-02	8.84E-03
3.01E+01	1.23E-02	-1.60E-02	8.65E-03
3.01E+01	1.60E-02	-1.70E-02	6.95E-03
3.01E+01	1.95E-02	-1.80E-02	4.08E-03
3.01E+01	2.26E-02	-1.89E-02	1.66E-04
3.01E+01	2.57E-02	-1.97E-02	-4.06E-03
3.02E+01	2.84E-02	-2.00E-02	-8.07E-03
3.02E+01	3.06E-02	-2.00E-02	-1.13E-02
3.02E+01	3.24E-02	-1.96E-02	-1.34E-02
3.02E+01	3.38E-02	-1.90E-02	-1.42E-02
3.02E+01	3.48E-02	-1.83E-02	-1.35E-02
3.02E+01	3.56E-02	-1.76E-02	-1.10E-02
3.02E+01	3.63E-02	-1.69E-02	-7.01E-03
3.02E+01	3.66E-02	-1.66E-02	-2.67E-03
3.02E+01	3.66E-02	-1.68E-02	9.83E-04
3.02E+01	3.64E-02	-1.77E-02	3.64E-03
3.02E+01	3.60E-02	-1.89E-02	5.00E-03
3.02E+01	3.54E-02	-2.05E-02	5.20E-03
3.02E+01	3.45E-02	-2.22E-02	4.89E-03
3.02E+01	3.34E-02	-2.38E-02	4.95E-03
3.02E+01	3.17E-02	-2.54E-02	5.64E-03
3.02E+01	2.99E-02	-2.72E-02	6.59E-03
3.02E+01	2.75E-02	-2.90E-02	7.75E-03
3.02E+01	2.45E-02	-3.10E-02	9.01E-03
3.02E+01	2.11E-02	-3.28E-02	1.01E-02
3.02E+01	1.71E-02	-3.42E-02	1.05E-02
3.03E+01	1.27E-02	-3.48E-02	1.03E-02
3.03E+01	8.40E-03	-3.43E-02	1.00E-02
3.03E+01	4.58E-03	-3.24E-02	1.02E-02
3.03E+01	1.32E-03	-2.93E-02	1.11E-02
3.03E+01	-1.44E-03	-2.56E-02	1.30E-02
3.03E+01	-3.76E-03	-2.15E-02	1.55E-02
3.03E+01	-5.88E-03	-1.80E-02	1.74E-02
3.03E+01	-7.93E-03	-1.52E-02	1.78E-02
3.03E+01	-9.98E-03	-1.30E-02	1.68E-02

3.03E+01	-1.21E-02	-1.08E-02	1.52E-02
3.03E+01	-1.42E-02	-8.33E-03	1.33E-02
3.03E+01	-1.64E-02	-5.59E-03	1.15E-02
3.03E+01	-1.85E-02	-2.60E-03	1.05E-02
3.03E+01	-2.07E-02	6.93E-04	1.04E-02
3.03E+01	-2.28E-02	4.12E-03	1.09E-02
3.03E+01	-2.50E-02	7.51E-03	1.20E-02
3.03E+01	-2.70E-02	1.07E-02	1.31E-02
3.03E+01	-2.88E-02	1.36E-02	1.38E-02
3.03E+01	-3.02E-02	1.64E-02	1.37E-02
3.03E+01	-3.13E-02	1.89E-02	1.31E-02
3.04E+01	-3.19E-02	2.13E-02	1.25E-02
3.04E+01	-3.21E-02	2.34E-02	1.17E-02
3.04E+01	-3.20E-02	2.51E-02	1.08E-02
3.04E+01	-3.16E-02	2.63E-02	9.99E-03
3.04E+01	-3.12E-02	2.66E-02	9.49E-03
3.04E+01	-3.08E-02	2.60E-02	8.59E-03
3.04E+01	-3.06E-02	2.47E-02	6.90E-03
3.04E+01	-3.05E-02	2.29E-02	4.88E-03
3.04E+01	-3.04E-02	2.09E-02	2.97E-03
3.04E+01	-3.02E-02	1.88E-02	9.51E-04
3.04E+01	-3.01E-02	1.68E-02	-1.71E-03
3.04E+01	-2.99E-02	1.50E-02	-4.87E-03
3.04E+01	-2.96E-02	1.36E-02	-7.90E-03
3.04E+01	-2.89E-02	1.25E-02	-1.07E-02
3.04E+01	-2.80E-02	1.16E-02	-1.27E-02
3.04E+01	-2.65E-02	1.10E-02	-1.32E-02
3.04E+01	-2.45E-02	1.09E-02	-1.23E-02
3.04E+01	-2.23E-02	1.13E-02	-1.12E-02
3.04E+01	-2.00E-02	1.21E-02	-1.07E-02
3.04E+01	-1.77E-02	1.29E-02	-1.12E-02
3.05E+01	-1.54E-02	1.41E-02	-1.27E-02
3.05E+01	-1.31E-02	1.57E-02	-1.40E-02
3.05E+01	-1.10E-02	1.72E-02	-1.48E-02
3.05E+01	-9.05E-03	1.83E-02	-1.54E-02
3.05E+01	-7.44E-03	1.90E-02	-1.52E-02
3.05E+01	-6.33E-03	1.94E-02	-1.40E-02
3.05E+01	-5.67E-03	1.96E-02	-1.15E-02
3.05E+01	-5.56E-03	1.94E-02	-7.57E-03
3.05E+01	-5.44E-03	1.92E-02	-3.05E-03
3.05E+01	-5.32E-03	1.87E-02	1.03E-03
3.05E+01	-5.16E-03	1.85E-02	3.98E-03
3.05E+01	-4.70E-03	1.87E-02	5.81E-03
3.05E+01	-3.99E-03	1.88E-02	6.82E-03
3.05E+01	-2.72E-03	1.87E-02	7.40E-03
3.05E+01	-1.31E-03	1.82E-02	8.06E-03
3.05E+01	-1.22E-04	1.72E-02	8.68E-03

3.05E+01	7.05E-04	1.58E-02	8.80E-03
3.05E+01	8.79E-04	1.40E-02	7.78E-03
3.05E+01	5.00E-04	1.20E-02	5.71E-03
3.05E+01	-4.06E-04	1.06E-02	3.56E-03
3.06E+01	-1.58E-03	9.92E-03	1.78E-03
3.06E+01	-2.71E-03	9.65E-03	7.84E-04
3.06E+01	-3.58E-03	9.68E-03	4.25E-04
3.06E+01	-3.81E-03	9.60E-03	4.71E-04
3.06E+01	-3.49E-03	9.06E-03	1.13E-03
3.06E+01	-2.77E-03	7.55E-03	1.46E-03
3.06E+01	-1.77E-03	4.96E-03	9.02E-04
3.06E+01	-7.33E-04	1.84E-03	-6.05E-04
3.06E+01	3.24E-04	-1.09E-03	-3.18E-03
3.06E+01	1.43E-03	-3.14E-03	-5.53E-03
3.06E+01	2.65E-03	-4.00E-03	-6.41E-03
3.06E+01	4.14E-03	-3.48E-03	-5.72E-03
3.06E+01	5.67E-03	-1.82E-03	-3.99E-03
3.06E+01	7.16E-03	5.75E-04	-1.90E-03
3.06E+01	8.70E-03	3.36E-03	-1.22E-04
3.06E+01	1.03E-02	5.73E-03	9.78E-04
3.06E+01	1.22E-02	7.61E-03	1.55E-03
3.06E+01	1.45E-02	9.14E-03	1.18E-03
3.06E+01	1.70E-02	9.99E-03	-2.97E-04
3.06E+01	1.96E-02	1.04E-02	-2.07E-03
3.07E+01	2.25E-02	1.06E-02	-3.59E-03
3.07E+01	2.54E-02	1.06E-02	-4.37E-03
3.07E+01	2.84E-02	1.06E-02	-4.25E-03
3.07E+01	3.12E-02	1.06E-02	-3.82E-03
3.07E+01	3.32E-02	1.05E-02	-3.84E-03
3.07E+01	3.47E-02	1.06E-02	-5.23E-03
3.07E+01	3.57E-02	1.10E-02	-8.00E-03
3.07E+01	3.63E-02	1.19E-02	-1.16E-02
3.07E+01	3.62E-02	1.29E-02	-1.57E-02
3.07E+01	3.58E-02	1.39E-02	-1.90E-02
3.07E+01	3.50E-02	1.48E-02	-2.06E-02
3.07E+01	3.39E-02	1.51E-02	-2.06E-02
3.07E+01	3.23E-02	1.43E-02	-1.91E-02
3.07E+01	3.02E-02	1.27E-02	-1.71E-02
3.07E+01	2.78E-02	9.97E-03	-1.55E-02
3.07E+01	2.56E-02	6.91E-03	-1.40E-02
3.07E+01	2.39E-02	4.50E-03	-1.25E-02
3.07E+01	2.31E-02	2.98E-03	-1.04E-02
3.07E+01	2.32E-02	2.56E-03	-7.35E-03
3.07E+01	2.39E-02	3.30E-03	-3.37E-03
3.08E+01	2.50E-02	4.35E-03	8.36E-04
3.08E+01	2.61E-02	5.16E-03	4.32E-03
3.08E+01	2.68E-02	5.64E-03	6.68E-03

3.08E+01	2.75E-02	5.95E-03	8.16E-03
3.08E+01	2.78E-02	6.28E-03	8.90E-03
3.08E+01	2.76E-02	6.66E-03	9.02E-03
3.08E+01	2.67E-02	7.36E-03	8.69E-03
3.08E+01	2.48E-02	8.46E-03	8.34E-03
3.08E+01	2.19E-02	9.92E-03	8.62E-03
3.08E+01	1.81E-02	1.15E-02	9.45E-03
3.08E+01	1.35E-02	1.27E-02	1.00E-02
3.08E+01	8.45E-03	1.35E-02	9.84E-03
3.08E+01	3.33E-03	1.44E-02	9.15E-03
3.08E+01	-1.57E-03	1.52E-02	7.86E-03
3.08E+01	-5.77E-03	1.59E-02	6.00E-03
3.08E+01	-9.23E-03	1.66E-02	3.78E-03
3.08E+01	-1.20E-02	1.72E-02	1.15E-03
3.08E+01	-1.40E-02	1.77E-02	-1.14E-03
3.08E+01	-1.53E-02	1.83E-02	-2.44E-03
3.08E+01	-1.58E-02	1.84E-02	-3.52E-03
3.09E+01	-1.62E-02	1.82E-02	-5.75E-03
3.09E+01	-1.69E-02	1.76E-02	-9.77E-03
3.09E+01	-1.75E-02	1.67E-02	-1.48E-02
3.09E+01	-1.79E-02	1.61E-02	-1.98E-02
3.09E+01	-1.84E-02	1.58E-02	-2.41E-02
3.09E+01	-1.88E-02	1.57E-02	-2.68E-02
3.09E+01	-1.91E-02	1.62E-02	-2.71E-02
3.09E+01	-1.90E-02	1.71E-02	-2.53E-02
3.09E+01	-1.88E-02	1.80E-02	-2.25E-02
3.09E+01	-1.82E-02	1.89E-02	-1.95E-02
3.09E+01	-1.70E-02	1.98E-02	-1.73E-02
3.09E+01	-1.52E-02	2.07E-02	-1.60E-02
3.09E+01	-1.25E-02	2.18E-02	-1.53E-02
3.09E+01	-8.79E-03	2.29E-02	-1.46E-02
3.09E+01	-4.09E-03	2.37E-02	-1.35E-02
3.09E+01	1.00E-03	2.36E-02	-1.13E-02
3.09E+01	6.02E-03	2.27E-02	-8.01E-03
3.09E+01	1.07E-02	2.08E-02	-4.21E-03
3.09E+01	1.42E-02	1.79E-02	-1.12E-03
3.09E+01	1.67E-02	1.47E-02	1.18E-03
3.10E+01	1.89E-02	1.19E-02	2.75E-03
3.10E+01	2.04E-02	9.68E-03	3.31E-03
3.10E+01	2.15E-02	8.21E-03	3.60E-03
3.10E+01	2.22E-02	7.42E-03	4.14E-03
3.10E+01	2.22E-02	6.73E-03	5.06E-03
3.10E+01	2.17E-02	5.69E-03	6.61E-03
3.10E+01	2.05E-02	3.99E-03	8.83E-03
3.10E+01	1.90E-02	1.58E-03	1.14E-02
3.10E+01	1.74E-02	-1.22E-03	1.33E-02
3.10E+01	1.58E-02	-4.07E-03	1.42E-02

3.10E+01	1.45E-02	-6.45E-03	1.47E-02
3.10E+01	1.39E-02	-7.96E-03	1.53E-02
3.10E+01	1.38E-02	-8.53E-03	1.64E-02
3.10E+01	1.42E-02	-8.40E-03	1.71E-02
3.10E+01	1.44E-02	-8.19E-03	1.71E-02
3.10E+01	1.43E-02	-8.28E-03	1.60E-02
3.10E+01	1.38E-02	-8.82E-03	1.38E-02
3.10E+01	1.28E-02	-9.98E-03	1.14E-02
3.10E+01	1.14E-02	-1.19E-02	9.02E-03
3.10E+01	9.57E-03	-1.46E-02	6.45E-03
3.11E+01	7.33E-03	-1.76E-02	4.26E-03
3.11E+01	5.00E-03	-2.04E-02	2.66E-03
3.11E+01	2.83E-03	-2.31E-02	1.46E-03
3.11E+01	9.36E-04	-2.55E-02	8.49E-04
3.11E+01	-4.52E-04	-2.76E-02	8.18E-04
3.11E+01	-1.09E-03	-2.93E-02	9.45E-04
3.11E+01	-7.16E-04	-3.07E-02	4.53E-04
3.11E+01	7.61E-04	-3.14E-02	-7.72E-04
3.11E+01	3.36E-03	-3.13E-02	-2.09E-03
3.11E+01	6.93E-03	-3.08E-02	-3.36E-03
3.11E+01	1.08E-02	-2.99E-02	-4.43E-03
3.11E+01	1.44E-02	-2.93E-02	-5.01E-03
3.11E+01	1.77E-02	-2.90E-02	-5.63E-03
3.11E+01	2.06E-02	-2.92E-02	-7.47E-03
3.11E+01	2.29E-02	-2.96E-02	-1.09E-02
3.11E+01	2.50E-02	-2.97E-02	-1.45E-02
3.11E+01	2.71E-02	-2.89E-02	-1.72E-02
3.11E+01	2.92E-02	-2.74E-02	-1.87E-02
3.11E+01	3.09E-02	-2.54E-02	-1.90E-02
3.11E+01	3.24E-02	-2.31E-02	-1.82E-02
3.12E+01	3.34E-02	-2.05E-02	-1.63E-02
3.12E+01	3.39E-02	-1.80E-02	-1.41E-02
3.12E+01	3.37E-02	-1.59E-02	-1.26E-02
3.12E+01	3.27E-02	-1.40E-02	-1.21E-02
3.12E+01	3.14E-02	-1.22E-02	-1.24E-02
3.12E+01	3.02E-02	-1.02E-02	-1.27E-02
3.12E+01	2.94E-02	-7.89E-03	-1.17E-02
3.12E+01	2.89E-02	-5.36E-03	-8.58E-03
3.12E+01	2.86E-02	-2.83E-03	-3.39E-03
3.12E+01	2.83E-02	-7.66E-04	2.10E-03
3.12E+01	2.79E-02	3.37E-04	6.67E-03
3.12E+01	2.72E-02	5.98E-04	1.01E-02
3.12E+01	2.67E-02	4.05E-04	1.19E-02
3.12E+01	2.61E-02	2.08E-05	1.14E-02
3.12E+01	2.56E-02	-2.67E-06	8.25E-03
3.12E+01	2.53E-02	4.86E-04	3.41E-03
3.12E+01	2.53E-02	1.32E-03	-1.69E-03

3.12E+01	2.54E-02	2.45E-03	-5.30E-03
3.12E+01	2.55E-02	3.61E-03	-6.95E-03
3.12E+01	2.58E-02	4.72E-03	-6.95E-03
3.13E+01	2.60E-02	5.57E-03	-5.60E-03
3.13E+01	2.60E-02	5.97E-03	-3.92E-03
3.13E+01	2.58E-02	5.98E-03	-2.59E-03
3.13E+01	2.54E-02	6.00E-03	-1.93E-03
3.13E+01	2.52E-02	6.32E-03	-2.23E-03
3.13E+01	2.51E-02	6.72E-03	-3.50E-03
3.13E+01	2.52E-02	7.15E-03	-4.98E-03
3.13E+01	2.53E-02	7.48E-03	-4.94E-03
3.13E+01	2.55E-02	7.53E-03	-2.93E-03
3.13E+01	2.57E-02	6.92E-03	-5.94E-04
3.13E+01	2.57E-02	5.58E-03	1.31E-03
3.13E+01	2.54E-02	4.21E-03	2.91E-03
3.13E+01	2.50E-02	3.05E-03	3.88E-03
3.13E+01	2.43E-02	2.36E-03	4.02E-03
3.13E+01	2.35E-02	2.60E-03	3.48E-03
3.13E+01	2.24E-02	3.60E-03	2.22E-03
3.13E+01	2.11E-02	4.95E-03	7.90E-04
3.13E+01	1.94E-02	6.09E-03	2.35E-04
3.13E+01	1.76E-02	6.50E-03	6.06E-04
3.13E+01	1.55E-02	6.06E-03	1.59E-03
3.14E+01	1.32E-02	4.99E-03	2.73E-03
3.14E+01	1.11E-02	3.53E-03	3.22E-03
3.14E+01	9.24E-03	2.13E-03	3.08E-03
3.14E+01	7.41E-03	1.22E-03	2.48E-03
3.14E+01	5.63E-03	1.06E-03	1.83E-03
3.14E+01	3.71E-03	1.60E-03	1.77E-03
3.14E+01	1.37E-03	2.37E-03	2.15E-03
3.14E+01	-1.39E-03	3.24E-03	2.49E-03
3.14E+01	-4.64E-03	4.08E-03	2.24E-03
3.14E+01	-8.30E-03	4.93E-03	1.67E-03
3.14E+01	-1.22E-02	6.06E-03	1.85E-03
3.14E+01	-1.61E-02	7.30E-03	3.47E-03
3.14E+01	-2.00E-02	8.64E-03	6.74E-03
3.14E+01	-2.38E-02	1.01E-02	1.09E-02
3.14E+01	-2.74E-02	1.16E-02	1.49E-02
3.14E+01	-3.08E-02	1.31E-02	1.84E-02
3.14E+01	-3.34E-02	1.46E-02	2.12E-02
3.14E+01	-3.50E-02	1.62E-02	2.37E-02
3.14E+01	-3.56E-02	1.76E-02	2.57E-02
3.14E+01	-3.50E-02	1.86E-02	2.79E-02
3.15E+01	-3.33E-02	1.94E-02	3.07E-02
3.15E+01	-3.07E-02	1.96E-02	3.33E-02
3.15E+01	-2.77E-02	1.89E-02	3.54E-02
3.15E+01	-2.49E-02	1.76E-02	3.62E-02

3.15E+01	-2.26E-02	1.57E-02	3.53E-02
3.15E+01	-2.10E-02	1.36E-02	3.30E-02
3.15E+01	-2.01E-02	1.16E-02	2.98E-02
3.15E+01	-2.00E-02	9.69E-03	2.66E-02
3.15E+01	-2.05E-02	7.96E-03	2.36E-02
3.15E+01	-2.15E-02	5.81E-03	2.06E-02
3.15E+01	-2.29E-02	2.89E-03	1.74E-02
3.15E+01	-2.43E-02	-7.78E-04	1.40E-02
3.15E+01	-2.56E-02	-5.09E-03	1.02E-02
3.15E+01	-2.65E-02	-9.84E-03	5.91E-03
3.15E+01	-2.72E-02	-1.48E-02	1.72E-03
3.15E+01	-2.76E-02	-1.96E-02	-1.83E-03
3.15E+01	-2.77E-02	-2.43E-02	-4.17E-03
3.15E+01	-2.70E-02	-2.84E-02	-4.05E-03
3.15E+01	-2.56E-02	-3.16E-02	-8.64E-04
3.15E+01	-2.35E-02	-3.40E-02	5.18E-03
3.16E+01	-2.05E-02	-3.52E-02	1.31E-02
3.16E+01	-1.65E-02	-3.53E-02	2.11E-02
3.16E+01	-1.16E-02	-3.44E-02	2.72E-02
3.16E+01	-6.17E-03	-3.27E-02	3.04E-02
3.16E+01	-8.52E-04	-3.05E-02	3.11E-02
3.16E+01	4.09E-03	-2.81E-02	3.05E-02
3.16E+01	8.33E-03	-2.60E-02	2.93E-02
3.16E+01	1.16E-02	-2.45E-02	2.76E-02
3.16E+01	1.36E-02	-2.38E-02	2.58E-02
3.16E+01	1.45E-02	-2.33E-02	2.43E-02
3.16E+01	1.44E-02	-2.31E-02	2.29E-02
3.16E+01	1.36E-02	-2.29E-02	2.13E-02
3.16E+01	1.21E-02	-2.26E-02	1.95E-02
3.16E+01	1.06E-02	-2.18E-02	1.74E-02
3.16E+01	9.33E-03	-2.04E-02	1.46E-02
3.16E+01	8.26E-03	-1.86E-02	1.14E-02
3.16E+01	7.27E-03	-1.63E-02	8.19E-03
3.16E+01	6.38E-03	-1.45E-02	4.39E-03
3.16E+01	5.69E-03	-1.33E-02	-1.63E-04
3.16E+01	4.84E-03	-1.28E-02	-4.58E-03
3.17E+01	3.74E-03	-1.31E-02	-8.63E-03
3.17E+01	2.77E-03	-1.36E-02	-1.20E-02
3.17E+01	1.64E-03	-1.40E-02	-1.36E-02
3.17E+01	2.82E-04	-1.41E-02	-1.27E-02
3.17E+01	-1.17E-03	-1.36E-02	-9.63E-03
3.17E+01	-2.99E-03	-1.30E-02	-5.41E-03
3.17E+01	-5.31E-03	-1.21E-02	-1.27E-03
3.17E+01	-7.76E-03	-1.15E-02	2.21E-03
3.17E+01	-1.00E-02	-1.11E-02	5.27E-03
3.17E+01	-1.20E-02	-1.12E-02	7.71E-03
3.17E+01	-1.36E-02	-1.17E-02	8.98E-03

3.17E+01	-1.48E-02	-1.27E-02	9.20E-03
3.17E+01	-1.60E-02	-1.38E-02	9.10E-03
3.17E+01	-1.73E-02	-1.50E-02	9.46E-03
3.17E+01	-1.88E-02	-1.62E-02	1.02E-02
3.17E+01	-2.06E-02	-1.74E-02	1.07E-02
3.17E+01	-2.28E-02	-1.85E-02	1.06E-02
3.17E+01	-2.52E-02	-1.94E-02	9.79E-03
3.17E+01	-2.77E-02	-2.03E-02	7.78E-03
3.17E+01	-2.98E-02	-2.12E-02	4.78E-03
3.18E+01	-3.14E-02	-2.18E-02	1.85E-03
3.18E+01	-3.24E-02	-2.19E-02	-1.09E-04
3.18E+01	-3.27E-02	-2.14E-02	-5.75E-04
3.18E+01	-3.27E-02	-2.07E-02	-4.65E-04
3.18E+01	-3.22E-02	-1.93E-02	-1.14E-03
3.18E+01	-3.16E-02	-1.70E-02	-2.30E-03
3.18E+01	-3.06E-02	-1.32E-02	-3.86E-03
3.18E+01	-2.93E-02	-8.35E-03	-6.36E-03
3.18E+01	-2.81E-02	-2.77E-03	-9.40E-03
3.18E+01	-2.69E-02	3.18E-03	-1.26E-02
3.18E+01	-2.57E-02	9.29E-03	-1.55E-02
3.18E+01	-2.46E-02	1.53E-02	-1.73E-02
3.18E+01	-2.36E-02	2.07E-02	-1.77E-02
3.18E+01	-2.27E-02	2.53E-02	-1.70E-02
3.18E+01	-2.16E-02	2.93E-02	-1.53E-02
3.18E+01	-2.07E-02	3.26E-02	-1.30E-02
3.18E+01	-2.00E-02	3.52E-02	-1.07E-02
3.18E+01	-1.92E-02	3.70E-02	-9.28E-03
3.18E+01	-1.80E-02	3.86E-02	-8.64E-03
3.18E+01	-1.65E-02	4.01E-02	-8.25E-03
3.19E+01	-1.46E-02	4.13E-02	-7.66E-03
3.19E+01	-1.24E-02	4.18E-02	-7.05E-03
3.19E+01	-1.00E-02	4.14E-02	-6.61E-03
3.19E+01	-7.73E-03	4.00E-02	-6.53E-03
3.19E+01	-5.61E-03	3.74E-02	-7.06E-03
3.19E+01	-3.67E-03	3.35E-02	-7.74E-03
3.19E+01	-1.98E-03	2.91E-02	-7.97E-03
3.19E+01	-4.92E-04	2.48E-02	-8.26E-03
3.19E+01	9.18E-04	2.06E-02	-9.18E-03
3.19E+01	2.41E-03	1.70E-02	-9.98E-03
3.19E+01	4.16E-03	1.45E-02	-1.01E-02
3.19E+01	6.14E-03	1.25E-02	-9.71E-03
3.19E+01	8.18E-03	1.07E-02	-7.93E-03
3.19E+01	1.02E-02	9.06E-03	-4.16E-03
3.19E+01	1.21E-02	7.13E-03	9.53E-04
3.19E+01	1.39E-02	4.42E-03	6.28E-03
3.19E+01	1.53E-02	1.40E-03	1.11E-02
3.19E+01	1.67E-02	-1.74E-03	1.49E-02

3.19E+01	1.83E-02	-5.07E-03	1.72E-02
3.19E+01	1.99E-02	-7.52E-03	1.83E-02
3.20E+01	2.16E-02	-9.61E-03	1.81E-02
3.20E+01	2.31E-02	-1.11E-02	1.76E-02
3.20E+01	2.41E-02	-1.19E-02	1.67E-02
3.20E+01	2.49E-02	-1.31E-02	1.52E-02
3.20E+01	2.47E-02	-1.45E-02	1.37E-02
3.20E+01	2.37E-02	-1.62E-02	1.19E-02
3.20E+01	2.21E-02	-1.85E-02	9.76E-03
3.20E+01	1.98E-02	-2.11E-02	7.20E-03
3.20E+01	1.68E-02	-2.35E-02	3.64E-03
3.20E+01	1.35E-02	-2.54E-02	-3.99E-04
3.20E+01	1.08E-02	-2.63E-02	-4.24E-03
3.20E+01	8.41E-03	-2.63E-02	-8.22E-03
3.20E+01	6.48E-03	-2.55E-02	-1.26E-02
3.20E+01	5.29E-03	-2.42E-02	-1.64E-02
3.20E+01	4.74E-03	-2.25E-02	-1.89E-02
3.20E+01	4.35E-03	-2.08E-02	-1.97E-02
3.20E+01	4.01E-03	-1.89E-02	-1.91E-02
3.20E+01	3.70E-03	-1.71E-02	-1.73E-02
3.20E+01	3.26E-03	-1.53E-02	-1.46E-02
3.20E+01	2.67E-03	-1.35E-02	-1.10E-02
3.21E+01	2.10E-03	-1.16E-02	-6.51E-03
3.21E+01	1.49E-03	-9.63E-03	-1.10E-03
3.21E+01	5.18E-04	-7.61E-03	4.26E-03
3.21E+01	-7.45E-04	-5.86E-03	8.85E-03
3.21E+01	-2.14E-03	-4.46E-03	1.29E-02
3.21E+01	-3.64E-03	-3.54E-03	1.60E-02
3.21E+01	-5.06E-03	-3.34E-03	1.78E-02
3.21E+01	-6.14E-03	-3.79E-03	1.90E-02
3.21E+01	-6.90E-03	-4.83E-03	1.97E-02
3.21E+01	-7.50E-03	-6.39E-03	1.97E-02
3.21E+01	-7.85E-03	-8.24E-03	1.78E-02
3.21E+01	-7.89E-03	-1.01E-02	1.45E-02
3.21E+01	-7.62E-03	-1.18E-02	1.06E-02
3.21E+01	-7.18E-03	-1.32E-02	6.21E-03
3.21E+01	-6.67E-03	-1.44E-02	9.29E-04
3.21E+01	-5.95E-03	-1.51E-02	-4.67E-03
3.21E+01	-5.10E-03	-1.55E-02	-9.19E-03
3.21E+01	-4.30E-03	-1.58E-02	-1.18E-02
3.21E+01	-3.59E-03	-1.60E-02	-1.24E-02
3.21E+01	-3.41E-03	-1.65E-02	-1.12E-02
3.22E+01	-4.29E-03	-1.70E-02	-9.26E-03
3.22E+01	-6.46E-03	-1.78E-02	-8.42E-03
3.22E+01	-9.63E-03	-1.90E-02	-9.48E-03
3.22E+01	-1.32E-02	-2.01E-02	-1.14E-02
3.22E+01	-1.70E-02	-2.11E-02	-1.34E-02

3.22E+01	-2.06E-02	-2.18E-02	-1.46E-02
3.22E+01	-2.38E-02	-2.24E-02	-1.42E-02
3.22E+01	-2.67E-02	-2.33E-02	-1.23E-02
3.22E+01	-2.89E-02	-2.42E-02	-9.10E-03
3.22E+01	-3.06E-02	-2.51E-02	-5.61E-03
3.22E+01	-3.20E-02	-2.59E-02	-3.49E-03
3.22E+01	-3.30E-02	-2.67E-02	-3.07E-03
3.22E+01	-3.40E-02	-2.73E-02	-4.64E-03
3.22E+01	-3.47E-02	-2.75E-02	-8.17E-03
3.22E+01	-3.54E-02	-2.72E-02	-1.24E-02
3.22E+01	-3.57E-02	-2.65E-02	-1.60E-02
3.22E+01	-3.57E-02	-2.57E-02	-1.87E-02
3.22E+01	-3.57E-02	-2.50E-02	-2.01E-02
3.22E+01	-3.58E-02	-2.49E-02	-2.02E-02
3.22E+01	-3.59E-02	-2.55E-02	-1.90E-02
3.23E+01	-3.61E-02	-2.61E-02	-1.72E-02
3.23E+01	-3.63E-02	-2.67E-02	-1.59E-02
3.23E+01	-3.65E-02	-2.67E-02	-1.46E-02
3.23E+01	-3.64E-02	-2.61E-02	-1.22E-02
3.23E+01	-3.61E-02	-2.50E-02	-8.21E-03
3.23E+01	-3.56E-02	-2.36E-02	-3.53E-03
3.23E+01	-3.52E-02	-2.26E-02	1.23E-03
3.23E+01	-3.45E-02	-2.16E-02	5.96E-03
3.23E+01	-3.38E-02	-2.10E-02	9.94E-03
3.23E+01	-3.32E-02	-2.09E-02	1.26E-02
3.23E+01	-3.26E-02	-2.07E-02	1.38E-02
3.23E+01	-3.23E-02	-2.05E-02	1.38E-02
3.23E+01	-3.21E-02	-2.01E-02	1.26E-02
3.23E+01	-3.22E-02	-1.97E-02	1.06E-02
3.23E+01	-3.23E-02	-1.92E-02	8.67E-03
3.23E+01	-3.25E-02	-1.85E-02	6.74E-03
3.23E+01	-3.29E-02	-1.77E-02	4.83E-03
3.23E+01	-3.31E-02	-1.69E-02	2.64E-03
3.23E+01	-3.29E-02	-1.62E-02	2.26E-04
3.23E+01	-3.22E-02	-1.54E-02	-2.41E-03
3.24E+01	-3.04E-02	-1.46E-02	-5.19E-03
3.24E+01	-2.76E-02	-1.40E-02	-7.43E-03
3.24E+01	-2.39E-02	-1.37E-02	-9.07E-03
3.24E+01	-1.94E-02	-1.38E-02	-1.02E-02
3.24E+01	-1.46E-02	-1.42E-02	-1.11E-02
3.24E+01	-9.82E-03	-1.48E-02	-1.18E-02
3.24E+01	-5.33E-03	-1.55E-02	-1.14E-02
3.24E+01	-1.18E-03	-1.63E-02	-1.07E-02
3.24E+01	2.52E-03	-1.70E-02	-9.85E-03
3.24E+01	5.55E-03	-1.78E-02	-9.06E-03
3.24E+01	7.94E-03	-1.84E-02	-8.39E-03
3.24E+01	9.78E-03	-1.91E-02	-7.70E-03

3.24E+01	1.11E-02	-1.99E-02	-7.06E-03
3.24E+01	1.17E-02	-2.07E-02	-7.12E-03
3.24E+01	1.17E-02	-2.16E-02	-7.98E-03
3.24E+01	1.13E-02	-2.24E-02	-8.62E-03
3.24E+01	1.09E-02	-2.27E-02	-8.43E-03
3.24E+01	1.03E-02	-2.28E-02	-7.13E-03
3.24E+01	9.65E-03	-2.25E-02	-4.98E-03
3.24E+01	8.90E-03	-2.19E-02	-3.20E-03
3.25E+01	7.79E-03	-2.12E-02	-2.12E-03
3.25E+01	6.30E-03	-2.04E-02	-2.50E-03
3.25E+01	4.45E-03	-1.94E-02	-5.03E-03
3.25E+01	2.40E-03	-1.78E-02	-8.77E-03
3.25E+01	5.65E-04	-1.51E-02	-1.28E-02
3.25E+01	-1.08E-03	-1.17E-02	-1.63E-02
3.25E+01	-2.57E-03	-7.82E-03	-1.91E-02
3.25E+01	-3.78E-03	-4.06E-03	-2.13E-02
3.25E+01	-4.69E-03	-5.58E-04	-2.22E-02
3.25E+01	-5.29E-03	2.34E-03	-2.21E-02
3.25E+01	-5.67E-03	4.54E-03	-2.09E-02
3.25E+01	-5.94E-03	6.43E-03	-1.83E-02
3.25E+01	-6.13E-03	8.16E-03	-1.51E-02
3.25E+01	-6.28E-03	9.86E-03	-1.25E-02
3.25E+01	-6.35E-03	1.15E-02	-1.16E-02
3.25E+01	-6.31E-03	1.28E-02	-1.17E-02
3.25E+01	-6.05E-03	1.42E-02	-1.17E-02
3.25E+01	-5.42E-03	1.56E-02	-1.19E-02
3.25E+01	-4.62E-03	1.68E-02	-1.26E-02
3.25E+01	-3.93E-03	1.82E-02	-1.36E-02
3.26E+01	-3.65E-03	1.96E-02	-1.53E-02
3.26E+01	-4.19E-03	2.09E-02	-1.73E-02
3.26E+01	-5.69E-03	2.22E-02	-1.97E-02
3.26E+01	-8.05E-03	2.38E-02	-2.19E-02
3.26E+01	-1.11E-02	2.55E-02	-2.36E-02
3.26E+01	-1.45E-02	2.73E-02	-2.46E-02
3.26E+01	-1.80E-02	2.93E-02	-2.41E-02
3.26E+01	-2.11E-02	3.14E-02	-2.21E-02
3.26E+01	-2.37E-02	3.33E-02	-1.92E-02
3.26E+01	-2.58E-02	3.49E-02	-1.62E-02
3.26E+01	-2.74E-02	3.60E-02	-1.40E-02
3.26E+01	-2.86E-02	3.66E-02	-1.26E-02
3.26E+01	-2.91E-02	3.69E-02	-1.16E-02
3.26E+01	-2.91E-02	3.68E-02	-1.05E-02
3.26E+01	-2.85E-02	3.63E-02	-9.07E-03
3.26E+01	-2.75E-02	3.54E-02	-7.12E-03
3.26E+01	-2.62E-02	3.37E-02	-4.42E-03
3.26E+01	-2.47E-02	3.13E-02	-1.09E-03
3.26E+01	-2.37E-02	2.85E-02	1.95E-03

3.26E+01	-2.31E-02	2.57E-02	4.06E-03
3.27E+01	-2.31E-02	2.32E-02	5.37E-03
3.27E+01	-2.36E-02	2.12E-02	6.05E-03
3.27E+01	-2.45E-02	1.95E-02	5.78E-03
3.27E+01	-2.56E-02	1.83E-02	4.80E-03
3.27E+01	-2.68E-02	1.75E-02	3.81E-03
3.27E+01	-2.81E-02	1.71E-02	2.84E-03
3.27E+01	-2.96E-02	1.65E-02	1.38E-03
3.27E+01	-3.10E-02	1.58E-02	-3.33E-04
3.27E+01	-3.19E-02	1.53E-02	-1.34E-03
3.27E+01	-3.23E-02	1.53E-02	-1.36E-03
3.27E+01	-3.22E-02	1.56E-02	-6.74E-04
3.27E+01	-3.17E-02	1.63E-02	-5.25E-05
3.27E+01	-3.09E-02	1.73E-02	-7.66E-04
3.27E+01	-2.98E-02	1.86E-02	-3.31E-03
3.27E+01	-2.86E-02	2.02E-02	-6.94E-03
3.27E+01	-2.70E-02	2.18E-02	-1.02E-02
3.27E+01	-2.51E-02	2.35E-02	-1.23E-02
3.27E+01	-2.28E-02	2.48E-02	-1.35E-02
3.27E+01	-2.03E-02	2.56E-02	-1.32E-02
3.27E+01	-1.75E-02	2.59E-02	-1.08E-02
3.28E+01	-1.47E-02	2.54E-02	-7.09E-03
3.28E+01	-1.19E-02	2.39E-02	-2.85E-03
3.28E+01	-9.57E-03	2.20E-02	1.14E-03
3.28E+01	-7.79E-03	2.00E-02	4.37E-03
3.28E+01	-6.34E-03	1.83E-02	6.99E-03
3.28E+01	-5.31E-03	1.71E-02	9.02E-03
3.28E+01	-4.95E-03	1.61E-02	9.68E-03
3.28E+01	-5.20E-03	1.54E-02	8.89E-03
3.28E+01	-5.89E-03	1.47E-02	7.64E-03
3.28E+01	-6.96E-03	1.39E-02	6.67E-03
3.28E+01	-8.30E-03	1.31E-02	6.05E-03
3.28E+01	-9.81E-03	1.23E-02	4.99E-03
3.28E+01	-1.13E-02	1.14E-02	2.85E-03
3.28E+01	-1.24E-02	1.05E-02	-5.00E-05
3.28E+01	-1.31E-02	9.55E-03	-2.83E-03
3.28E+01	-1.30E-02	8.69E-03	-4.91E-03
3.28E+01	-1.23E-02	7.84E-03	-6.51E-03
3.28E+01	-1.09E-02	7.13E-03	-8.11E-03
3.28E+01	-8.81E-03	6.74E-03	-9.97E-03
3.28E+01	-6.25E-03	6.18E-03	-1.23E-02
3.29E+01	-3.34E-03	5.51E-03	-1.47E-02
3.29E+01	-2.16E-04	4.72E-03	-1.64E-02
3.29E+01	2.89E-03	3.62E-03	-1.70E-02
3.29E+01	5.88E-03	2.53E-03	-1.62E-02
3.29E+01	8.40E-03	1.26E-03	-1.36E-02
3.29E+01	1.00E-02	-2.20E-04	-9.79E-03

3.29E+01	1.07E-02	-1.76E-03	-5.76E-03
3.29E+01	1.05E-02	-3.56E-03	-2.36E-03
3.29E+01	9.69E-03	-5.20E-03	2.22E-04
3.29E+01	8.90E-03	-6.70E-03	2.30E-03
3.29E+01	8.17E-03	-8.38E-03	4.39E-03
3.29E+01	7.75E-03	-9.79E-03	6.81E-03
3.29E+01	7.73E-03	-1.09E-02	9.45E-03
3.29E+01	8.10E-03	-1.21E-02	1.21E-02
3.29E+01	8.87E-03	-1.36E-02	1.44E-02
3.29E+01	9.76E-03	-1.53E-02	1.61E-02
3.29E+01	1.06E-02	-1.73E-02	1.72E-02
3.29E+01	1.16E-02	-1.91E-02	1.76E-02
3.29E+01	1.24E-02	-2.03E-02	1.76E-02
3.29E+01	1.30E-02	-2.07E-02	1.69E-02
3.30E+01	1.34E-02	-2.01E-02	1.60E-02
3.30E+01	1.36E-02	-1.81E-02	1.57E-02
3.30E+01	1.35E-02	-1.50E-02	1.61E-02
3.30E+01	1.32E-02	-1.11E-02	1.71E-02
3.30E+01	1.28E-02	-7.06E-03	1.88E-02
3.30E+01	1.21E-02	-3.64E-03	2.12E-02
3.30E+01	1.12E-02	-6.48E-04	2.38E-02
3.30E+01	1.00E-02	1.58E-03	2.52E-02
3.30E+01	8.67E-03	2.97E-03	2.49E-02
3.30E+01	7.36E-03	4.33E-03	2.30E-02
3.30E+01	6.23E-03	5.69E-03	1.92E-02
3.30E+01	5.30E-03	7.12E-03	1.42E-02
3.30E+01	4.51E-03	9.04E-03	9.48E-03
3.30E+01	3.75E-03	1.14E-02	5.53E-03
3.30E+01	3.02E-03	1.40E-02	1.70E-03
3.30E+01	2.18E-03	1.65E-02	-2.43E-03
3.30E+01	9.87E-04	1.86E-02	-6.56E-03
3.30E+01	-4.36E-04	2.03E-02	-1.06E-02
3.30E+01	-1.81E-03	2.17E-02	-1.43E-02
3.30E+01	-3.01E-03	2.32E-02	-1.65E-02
3.31E+01	-3.91E-03	2.47E-02	-1.68E-02
3.31E+01	-4.34E-03	2.62E-02	-1.53E-02
3.31E+01	-4.24E-03	2.74E-02	-1.16E-02
3.31E+01	-3.62E-03	2.82E-02	-5.90E-03
3.31E+01	-2.59E-03	2.85E-02	9.70E-04
3.31E+01	-1.39E-03	2.85E-02	7.98E-03
3.31E+01	-3.81E-04	2.84E-02	1.34E-02
3.31E+01	2.67E-04	2.85E-02	1.62E-02
3.31E+01	5.61E-04	2.90E-02	1.64E-02
3.31E+01	7.83E-04	3.02E-02	1.53E-02
3.31E+01	1.17E-03	3.18E-02	1.36E-02
3.31E+01	1.51E-03	3.29E-02	1.16E-02
3.31E+01	1.57E-03	3.33E-02	8.98E-03

3.31E+01	1.27E-03	3.30E-02	6.15E-03
3.31E+01	6.47E-04	3.17E-02	3.33E-03
3.31E+01	-9.44E-05	2.97E-02	7.73E-04
3.31E+01	-8.18E-04	2.72E-02	-1.27E-03
3.31E+01	-1.33E-03	2.47E-02	-2.90E-03
3.31E+01	-1.28E-03	2.24E-02	-4.64E-03
3.31E+01	-6.36E-04	2.07E-02	-6.54E-03
3.32E+01	4.44E-04	1.98E-02	-8.18E-03
3.32E+01	2.09E-03	1.95E-02	-9.16E-03
3.32E+01	4.18E-03	1.95E-02	-9.20E-03
3.32E+01	6.37E-03	1.95E-02	-8.51E-03
3.32E+01	8.42E-03	1.92E-02	-7.46E-03
3.32E+01	1.03E-02	1.87E-02	-6.07E-03
3.32E+01	1.21E-02	1.81E-02	-4.64E-03
3.32E+01	1.38E-02	1.76E-02	-3.08E-03
3.32E+01	1.57E-02	1.73E-02	-8.56E-04
3.32E+01	1.79E-02	1.72E-02	1.67E-03
3.32E+01	2.04E-02	1.71E-02	3.62E-03
3.32E+01	2.31E-02	1.67E-02	4.77E-03
3.32E+01	2.59E-02	1.58E-02	5.10E-03
3.32E+01	2.90E-02	1.44E-02	4.71E-03
3.32E+01	3.23E-02	1.25E-02	3.60E-03
3.32E+01	3.57E-02	1.01E-02	1.59E-03
3.32E+01	3.95E-02	7.50E-03	-9.61E-04
3.32E+01	4.33E-02	4.83E-03	-3.45E-03
3.32E+01	4.71E-02	2.33E-03	-5.43E-03
3.32E+01	5.08E-02	-1.72E-05	-6.74E-03
3.33E+01	5.42E-02	-2.44E-03	-7.45E-03
3.33E+01	5.73E-02	-4.62E-03	-7.18E-03
3.33E+01	6.01E-02	-6.67E-03	-5.61E-03
3.33E+01	6.24E-02	-8.80E-03	-3.28E-03
3.33E+01	6.41E-02	-1.10E-02	-5.88E-04
3.33E+01	6.51E-02	-1.34E-02	2.82E-03
3.33E+01	6.57E-02	-1.57E-02	7.20E-03
3.33E+01	6.56E-02	-1.80E-02	1.20E-02
3.33E+01	6.47E-02	-2.07E-02	1.61E-02
3.33E+01	6.31E-02	-2.33E-02	1.90E-02
3.33E+01	6.09E-02	-2.54E-02	2.08E-02
3.33E+01	5.82E-02	-2.72E-02	2.16E-02
3.33E+01	5.49E-02	-2.87E-02	2.09E-02
3.33E+01	5.12E-02	-2.99E-02	1.93E-02
3.33E+01	4.73E-02	-3.05E-02	1.77E-02
3.33E+01	4.34E-02	-3.05E-02	1.66E-02
3.33E+01	3.97E-02	-3.02E-02	1.58E-02
3.33E+01	3.62E-02	-2.98E-02	1.52E-02
3.33E+01	3.33E-02	-2.93E-02	1.48E-02
3.33E+01	3.09E-02	-2.86E-02	1.45E-02

3.34E+01	2.92E-02	-2.79E-02	1.40E-02
3.34E+01	2.81E-02	-2.72E-02	1.32E-02
3.34E+01	2.77E-02	-2.62E-02	1.23E-02
3.34E+01	2.81E-02	-2.50E-02	1.13E-02
3.34E+01	2.90E-02	-2.35E-02	1.04E-02
3.34E+01	3.05E-02	-2.17E-02	9.39E-03
3.34E+01	3.25E-02	-1.99E-02	8.29E-03
3.34E+01	3.45E-02	-1.77E-02	8.19E-03
3.34E+01	3.62E-02	-1.57E-02	9.01E-03
3.34E+01	3.80E-02	-1.38E-02	1.00E-02
3.34E+01	3.93E-02	-1.16E-02	1.08E-02
3.34E+01	3.99E-02	-9.59E-03	1.11E-02
3.34E+01	3.99E-02	-7.26E-03	1.12E-02
3.34E+01	3.92E-02	-4.65E-03	1.14E-02
3.34E+01	3.76E-02	-2.12E-03	1.19E-02
3.34E+01	3.51E-02	4.36E-04	1.26E-02
3.34E+01	3.12E-02	2.37E-03	1.29E-02
3.34E+01	2.61E-02	3.72E-03	1.26E-02
3.34E+01	2.02E-02	4.77E-03	1.19E-02
3.34E+01	1.40E-02	5.64E-03	1.04E-02
3.35E+01	7.99E-03	6.81E-03	8.47E-03
3.35E+01	2.54E-03	8.46E-03	7.60E-03
3.35E+01	-2.05E-03	1.07E-02	7.82E-03
3.35E+01	-5.79E-03	1.28E-02	8.85E-03
3.35E+01	-8.69E-03	1.44E-02	1.10E-02
3.35E+01	-1.06E-02	1.56E-02	1.33E-02
3.35E+01	-1.15E-02	1.59E-02	1.46E-02
3.35E+01	-1.15E-02	1.56E-02	1.42E-02
3.35E+01	-1.03E-02	1.46E-02	1.22E-02
3.35E+01	-7.90E-03	1.32E-02	9.55E-03
3.35E+01	-4.47E-03	1.18E-02	7.39E-03
3.35E+01	-5.21E-04	1.02E-02	6.08E-03
3.35E+01	3.16E-03	8.17E-03	5.45E-03
3.35E+01	5.83E-03	5.61E-03	5.74E-03
3.35E+01	7.26E-03	2.83E-03	6.98E-03
3.35E+01	7.54E-03	-1.83E-04	8.38E-03
3.35E+01	6.64E-03	-3.15E-03	9.50E-03
3.35E+01	4.77E-03	-5.67E-03	1.02E-02
3.35E+01	2.19E-03	-7.44E-03	1.04E-02
3.35E+01	-8.60E-04	-8.16E-03	1.06E-02
3.36E+01	-4.12E-03	-7.84E-03	1.10E-02
3.36E+01	-7.45E-03	-6.50E-03	1.21E-02
3.36E+01	-1.05E-02	-4.41E-03	1.38E-02
3.36E+01	-1.30E-02	-2.06E-03	1.58E-02
3.36E+01	-1.48E-02	1.47E-04	1.72E-02
3.36E+01	-1.58E-02	1.94E-03	1.78E-02
3.36E+01	-1.57E-02	3.56E-03	1.80E-02

3.36E+01	-1.43E-02	5.25E-03	1.83E-02
3.36E+01	-1.19E-02	6.92E-03	1.88E-02
3.36E+01	-8.49E-03	8.60E-03	1.86E-02
3.36E+01	-4.34E-03	1.01E-02	1.66E-02
3.36E+01	1.92E-04	1.14E-02	1.37E-02
3.36E+01	5.00E-03	1.24E-02	1.13E-02
3.36E+01	9.74E-03	1.30E-02	9.79E-03
3.36E+01	1.39E-02	1.29E-02	9.14E-03
3.36E+01	1.74E-02	1.22E-02	8.72E-03
3.36E+01	2.01E-02	1.10E-02	8.25E-03
3.36E+01	2.19E-02	9.56E-03	8.24E-03
3.36E+01	2.28E-02	8.19E-03	9.38E-03
3.36E+01	2.30E-02	7.12E-03	1.12E-02
3.37E+01	2.26E-02	6.23E-03	1.26E-02
3.37E+01	2.16E-02	5.51E-03	1.33E-02
3.37E+01	2.05E-02	5.01E-03	1.43E-02
3.37E+01	1.96E-02	4.89E-03	1.60E-02
3.37E+01	1.88E-02	5.05E-03	1.81E-02
3.37E+01	1.77E-02	5.17E-03	1.97E-02
3.37E+01	1.64E-02	5.46E-03	2.02E-02
3.37E+01	1.46E-02	5.85E-03	1.97E-02
3.37E+01	1.22E-02	6.38E-03	1.82E-02
3.37E+01	9.21E-03	7.33E-03	1.56E-02
3.37E+01	5.62E-03	8.61E-03	1.25E-02
3.37E+01	1.69E-03	1.03E-02	9.90E-03
3.37E+01	-2.08E-03	1.19E-02	7.98E-03
3.37E+01	-5.47E-03	1.35E-02	6.64E-03
3.37E+01	-8.31E-03	1.50E-02	5.41E-03
3.37E+01	-1.04E-02	1.61E-02	3.86E-03
3.37E+01	-1.15E-02	1.69E-02	1.96E-03
3.37E+01	-1.18E-02	1.76E-02	2.35E-04
3.37E+01	-1.15E-02	1.83E-02	-7.52E-04
3.37E+01	-1.09E-02	1.92E-02	-6.12E-04
3.38E+01	-1.04E-02	2.04E-02	2.10E-04
3.38E+01	-1.02E-02	2.11E-02	9.12E-04
3.38E+01	-1.06E-02	2.10E-02	1.19E-03
3.38E+01	-1.20E-02	2.03E-02	5.91E-04
3.38E+01	-1.41E-02	1.91E-02	-8.70E-04
3.38E+01	-1.69E-02	1.75E-02	-2.94E-03
3.38E+01	-2.01E-02	1.60E-02	-5.76E-03
3.38E+01	-2.35E-02	1.45E-02	-8.88E-03
3.38E+01	-2.72E-02	1.34E-02	-1.14E-02
3.38E+01	-3.10E-02	1.26E-02	-1.26E-02
3.38E+01	-3.44E-02	1.19E-02	-1.23E-02
3.38E+01	-3.73E-02	1.12E-02	-1.05E-02
3.38E+01	-3.97E-02	1.06E-02	-7.08E-03
3.38E+01	-4.15E-02	9.84E-03	-2.83E-03

3.38E+01	-4.23E-02	8.70E-03	1.61E-03
3.38E+01	-4.25E-02	7.41E-03	5.68E-03
3.38E+01	-4.19E-02	6.09E-03	8.88E-03
3.38E+01	-4.05E-02	4.67E-03	1.07E-02
3.38E+01	-3.86E-02	3.03E-03	1.09E-02
3.38E+01	-3.64E-02	1.31E-03	1.03E-02
3.39E+01	-3.41E-02	-2.43E-04	9.29E-03
3.39E+01	-3.19E-02	-1.70E-03	7.74E-03
3.39E+01	-3.01E-02	-3.22E-03	5.10E-03
3.39E+01	-2.88E-02	-4.81E-03	1.34E-03
3.39E+01	-2.79E-02	-6.37E-03	-2.61E-03
3.39E+01	-2.72E-02	-7.77E-03	-6.19E-03
3.39E+01	-2.67E-02	-8.76E-03	-9.23E-03
3.39E+01	-2.64E-02	-9.10E-03	-1.19E-02
3.39E+01	-2.62E-02	-8.92E-03	-1.51E-02
3.39E+01	-2.61E-02	-8.11E-03	-1.86E-02
3.39E+01	-2.59E-02	-6.39E-03	-2.06E-02
3.39E+01	-2.54E-02	-3.94E-03	-2.00E-02
3.39E+01	-2.47E-02	-9.65E-04	-1.75E-02
3.39E+01	-2.40E-02	2.19E-03	-1.45E-02
3.39E+01	-2.33E-02	5.18E-03	-1.16E-02
3.39E+01	-2.30E-02	8.04E-03	-9.13E-03
3.39E+01	-2.31E-02	1.04E-02	-6.81E-03
3.39E+01	-2.35E-02	1.21E-02	-4.62E-03
3.39E+01	-2.42E-02	1.29E-02	-2.65E-03
3.39E+01	-2.52E-02	1.27E-02	-9.37E-04
3.40E+01	-2.63E-02	1.12E-02	5.15E-04
3.40E+01	-2.74E-02	8.54E-03	1.82E-03
3.40E+01	-2.82E-02	5.00E-03	2.80E-03
3.40E+01	-2.86E-02	1.30E-03	3.39E-03
3.40E+01	-2.85E-02	-2.21E-03	3.99E-03
3.40E+01	-2.82E-02	-5.29E-03	4.14E-03
3.40E+01	-2.77E-02	-8.38E-03	2.55E-03
3.40E+01	-2.71E-02	-1.11E-02	-5.96E-04
3.40E+01	-2.63E-02	-1.31E-02	-4.02E-03
3.40E+01	-2.53E-02	-1.50E-02	-6.96E-03
3.40E+01	-2.43E-02	-1.67E-02	-8.18E-03
3.40E+01	-2.31E-02	-1.85E-02	-7.43E-03
3.40E+01	-2.16E-02	-2.05E-02	-6.10E-03
3.40E+01	-2.03E-02	-2.25E-02	-4.86E-03
3.40E+01	-1.88E-02	-2.44E-02	-4.08E-03
3.40E+01	-1.72E-02	-2.62E-02	-3.47E-03
3.40E+01	-1.54E-02	-2.71E-02	-2.59E-03
3.40E+01	-1.31E-02	-2.72E-02	-2.16E-03
3.40E+01	-1.04E-02	-2.65E-02	-1.64E-03
3.40E+01	-7.44E-03	-2.50E-02	-5.45E-04
3.41E+01	-4.38E-03	-2.33E-02	-2.71E-04

3.41E+01	-1.51E-03	-2.20E-02	-1.25E-03
3.41E+01	1.05E-03	-2.10E-02	-2.49E-03
3.41E+01	3.24E-03	-2.03E-02	-3.38E-03
3.41E+01	5.16E-03	-1.99E-02	-3.85E-03
3.41E+01	6.88E-03	-1.94E-02	-3.80E-03
3.41E+01	8.67E-03	-1.82E-02	-2.85E-03
3.41E+01	1.06E-02	-1.63E-02	-1.07E-03
3.41E+01	1.27E-02	-1.33E-02	9.42E-04
3.41E+01	1.52E-02	-9.37E-03	2.48E-03
3.41E+01	1.81E-02	-4.76E-03	3.05E-03
3.41E+01	2.18E-02	4.37E-04	2.56E-03
3.41E+01	2.61E-02	5.67E-03	1.26E-03
3.41E+01	3.10E-02	1.05E-02	-3.67E-04
3.41E+01	3.61E-02	1.45E-02	-2.12E-03
3.41E+01	4.12E-02	1.72E-02	-3.66E-03
3.41E+01	4.61E-02	1.88E-02	-4.65E-03
3.41E+01	5.04E-02	1.91E-02	-5.47E-03
3.41E+01	5.39E-02	1.84E-02	-6.30E-03
3.41E+01	5.64E-02	1.70E-02	-7.08E-03
3.42E+01	5.78E-02	1.51E-02	-8.03E-03
3.42E+01	5.82E-02	1.29E-02	-9.50E-03
3.42E+01	5.81E-02	1.04E-02	-1.12E-02
3.42E+01	5.72E-02	7.77E-03	-1.24E-02
3.42E+01	5.57E-02	5.48E-03	-1.26E-02
3.42E+01	5.33E-02	2.83E-03	-1.22E-02
3.42E+01	5.00E-02	-3.25E-04	-1.17E-02
3.42E+01	4.60E-02	-3.78E-03	-1.12E-02
3.42E+01	4.12E-02	-7.61E-03	-1.00E-02
3.42E+01	3.59E-02	-1.12E-02	-8.12E-03
3.42E+01	2.98E-02	-1.43E-02	-5.39E-03
3.42E+01	2.35E-02	-1.67E-02	-2.18E-03
3.42E+01	1.72E-02	-1.82E-02	1.02E-03
3.42E+01	1.10E-02	-1.90E-02	3.61E-03
3.42E+01	5.01E-03	-1.91E-02	4.72E-03
3.42E+01	-5.17E-04	-1.90E-02	4.75E-03
3.42E+01	-5.51E-03	-1.87E-02	4.11E-03
3.42E+01	-9.78E-03	-1.85E-02	2.65E-03
3.42E+01	-1.31E-02	-1.87E-02	7.64E-04
3.42E+01	-1.56E-02	-1.94E-02	-1.14E-03
3.43E+01	-1.67E-02	-2.03E-02	-2.42E-03
3.43E+01	-1.62E-02	-2.11E-02	-2.70E-03
3.43E+01	-1.44E-02	-2.20E-02	-2.62E-03
3.43E+01	-1.11E-02	-2.30E-02	-2.97E-03
3.43E+01	-6.99E-03	-2.39E-02	-4.12E-03
3.43E+01	-2.42E-03	-2.43E-02	-5.66E-03
3.43E+01	2.47E-03	-2.43E-02	-6.87E-03
3.43E+01	7.51E-03	-2.38E-02	-7.09E-03

3.43E+01	1.24E-02	-2.30E-02	-5.50E-03
3.43E+01	1.66E-02	-2.23E-02	-2.32E-03
3.43E+01	1.99E-02	-2.20E-02	1.34E-03
3.43E+01	2.21E-02	-2.25E-02	4.74E-03
3.43E+01	2.33E-02	-2.35E-02	7.20E-03
3.43E+01	2.36E-02	-2.49E-02	8.09E-03
3.43E+01	2.30E-02	-2.64E-02	7.59E-03
3.43E+01	2.15E-02	-2.76E-02	6.36E-03
3.43E+01	1.95E-02	-2.82E-02	5.15E-03
3.43E+01	1.73E-02	-2.85E-02	4.27E-03
3.43E+01	1.49E-02	-2.86E-02	3.57E-03
3.43E+01	1.27E-02	-2.87E-02	3.01E-03
3.44E+01	1.09E-02	-2.86E-02	2.38E-03
3.44E+01	9.42E-03	-2.83E-02	1.78E-03
3.44E+01	8.07E-03	-2.74E-02	1.17E-03
3.44E+01	6.77E-03	-2.57E-02	9.44E-05
3.44E+01	5.97E-03	-2.28E-02	-1.30E-03
3.44E+01	5.38E-03	-1.90E-02	-2.51E-03
3.44E+01	4.87E-03	-1.44E-02	-3.10E-03
3.44E+01	4.49E-03	-9.91E-03	-2.64E-03
3.44E+01	4.43E-03	-5.83E-03	-8.60E-04
3.44E+01	4.79E-03	-2.44E-03	1.98E-03
3.44E+01	5.19E-03	-1.41E-05	5.04E-03
3.44E+01	5.73E-03	1.38E-03	7.20E-03
3.44E+01	6.42E-03	1.57E-03	7.76E-03
3.44E+01	7.06E-03	1.22E-03	6.31E-03
3.44E+01	7.65E-03	6.19E-04	2.98E-03
3.44E+01	8.20E-03	-9.38E-05	-4.95E-04
3.44E+01	8.98E-03	-3.37E-04	-3.15E-03
3.44E+01	9.80E-03	-4.21E-04	-5.17E-03
3.44E+01	1.05E-02	-4.85E-04	-6.85E-03
3.44E+01	1.13E-02	-6.67E-04	-8.61E-03
3.45E+01	1.19E-02	-1.05E-03	-1.07E-02
3.45E+01	1.26E-02	-1.50E-03	-1.33E-02
3.45E+01	1.33E-02	-1.85E-03	-1.56E-02
3.45E+01	1.42E-02	-1.71E-03	-1.71E-02
3.45E+01	1.53E-02	-1.13E-03	-1.78E-02
3.45E+01	1.64E-02	-1.65E-04	-1.78E-02
3.45E+01	1.71E-02	1.01E-03	-1.76E-02
3.45E+01	1.74E-02	2.48E-03	-1.69E-02
3.45E+01	1.71E-02	4.33E-03	-1.66E-02
3.45E+01	1.64E-02	6.43E-03	-1.75E-02
3.45E+01	1.53E-02	8.81E-03	-1.94E-02
3.45E+01	1.39E-02	1.09E-02	-2.15E-02
3.45E+01	1.28E-02	1.30E-02	-2.28E-02
3.45E+01	1.20E-02	1.51E-02	-2.27E-02
3.45E+01	1.12E-02	1.64E-02	-2.12E-02

3.45E+01	1.01E-02	1.73E-02	-1.79E-02
3.45E+01	8.57E-03	1.73E-02	-1.39E-02
3.45E+01	6.80E-03	1.64E-02	-1.01E-02
3.45E+01	4.68E-03	1.52E-02	-6.86E-03
3.45E+01	2.48E-03	1.38E-02	-4.70E-03
3.46E+01	5.36E-04	1.26E-02	-3.04E-03
3.46E+01	-9.30E-04	1.24E-02	-1.48E-03
3.46E+01	-1.92E-03	1.29E-02	-1.41E-04
3.46E+01	-2.66E-03	1.36E-02	1.13E-03
3.46E+01	-2.78E-03	1.45E-02	2.21E-03
3.46E+01	-2.08E-03	1.52E-02	3.24E-03
3.46E+01	-6.25E-04	1.56E-02	4.12E-03
3.46E+01	1.36E-03	1.59E-02	4.60E-03
3.46E+01	3.62E-03	1.60E-02	4.51E-03
3.46E+01	6.01E-03	1.62E-02	3.44E-03
3.46E+01	8.14E-03	1.66E-02	1.70E-03
3.46E+01	9.88E-03	1.76E-02	-4.59E-04
3.46E+01	1.11E-02	1.91E-02	-3.25E-03
3.46E+01	1.18E-02	2.08E-02	-6.87E-03
3.46E+01	1.22E-02	2.26E-02	-1.09E-02
3.46E+01	1.21E-02	2.45E-02	-1.45E-02
3.46E+01	1.20E-02	2.64E-02	-1.74E-02
3.46E+01	1.16E-02	2.79E-02	-1.98E-02
3.46E+01	1.08E-02	2.89E-02	-2.18E-02
3.46E+01	9.91E-03	2.94E-02	-2.33E-02
3.47E+01	8.71E-03	2.92E-02	-2.37E-02
3.47E+01	7.31E-03	2.81E-02	-2.22E-02
3.47E+01	5.91E-03	2.61E-02	-1.90E-02
3.47E+01	4.49E-03	2.37E-02	-1.53E-02
3.47E+01	3.11E-03	2.12E-02	-1.24E-02
3.47E+01	1.90E-03	1.90E-02	-1.11E-02
3.47E+01	1.00E-03	1.73E-02	-1.07E-02
3.47E+01	4.23E-04	1.58E-02	-9.98E-03
3.47E+01	1.26E-04	1.46E-02	-8.22E-03
3.47E+01	-1.29E-04	1.34E-02	-5.52E-03
3.47E+01	-6.32E-04	1.21E-02	-2.54E-03
3.47E+01	-1.33E-03	1.05E-02	4.58E-05
3.47E+01	-2.25E-03	8.78E-03	1.88E-03
3.47E+01	-3.36E-03	6.91E-03	2.69E-03
3.47E+01	-4.61E-03	4.88E-03	2.16E-03
3.47E+01	-6.05E-03	2.84E-03	6.22E-04
3.47E+01	-7.29E-03	8.05E-04	-8.94E-04
3.47E+01	-8.09E-03	-9.28E-04	-1.62E-03
3.47E+01	-8.62E-03	-2.25E-03	-1.80E-03
3.47E+01	-8.73E-03	-3.69E-03	-2.03E-03
3.48E+01	-8.52E-03	-5.07E-03	-2.27E-03
3.48E+01	-8.14E-03	-6.33E-03	-2.62E-03

3.48E+01	-7.56E-03	-7.67E-03	-4.08E-03
3.48E+01	-6.99E-03	-9.00E-03	-7.05E-03
3.48E+01	-6.30E-03	-1.01E-02	-1.04E-02
3.48E+01	-5.50E-03	-1.05E-02	-1.29E-02
3.48E+01	-4.87E-03	-1.03E-02	-1.47E-02
3.48E+01	-4.64E-03	-9.72E-03	-1.60E-02
3.48E+01	-5.08E-03	-8.78E-03	-1.71E-02
3.48E+01	-5.96E-03	-7.67E-03	-1.82E-02
3.48E+01	-7.12E-03	-6.66E-03	-1.92E-02
3.48E+01	-8.44E-03	-5.59E-03	-1.93E-02
3.48E+01	-9.77E-03	-4.43E-03	-1.84E-02
3.48E+01	-1.11E-02	-3.29E-03	-1.72E-02
3.48E+01	-1.25E-02	-1.91E-03	-1.55E-02
3.48E+01	-1.40E-02	-3.49E-04	-1.32E-02
3.48E+01	-1.53E-02	1.23E-03	-1.02E-02
3.48E+01	-1.63E-02	2.84E-03	-7.21E-03
3.48E+01	-1.72E-02	4.17E-03	-4.73E-03
3.48E+01	-1.80E-02	5.13E-03	-2.94E-03
3.49E+01	-1.86E-02	5.67E-03	-2.11E-03
3.49E+01	-1.92E-02	5.63E-03	-2.36E-03
3.49E+01	-1.97E-02	5.26E-03	-3.99E-03
3.49E+01	-2.00E-02	4.76E-03	-6.59E-03
3.49E+01	-2.01E-02	4.33E-03	-9.00E-03
3.49E+01	-2.01E-02	4.11E-03	-1.09E-02
3.49E+01	-2.01E-02	4.01E-03	-1.24E-02
3.49E+01	-2.04E-02	4.13E-03	-1.36E-02
3.49E+01	-2.09E-02	4.27E-03	-1.48E-02
3.49E+01	-2.17E-02	4.12E-03	-1.62E-02
3.49E+01	-2.29E-02	3.84E-03	-1.76E-02
3.49E+01	-2.43E-02	3.44E-03	-1.93E-02
3.49E+01	-2.57E-02	2.92E-03	-2.07E-02
3.49E+01	-2.70E-02	2.67E-03	-2.08E-02
3.49E+01	-2.79E-02	2.59E-03	-1.95E-02
3.49E+01	-2.85E-02	2.50E-03	-1.72E-02
3.49E+01	-2.88E-02	2.35E-03	-1.42E-02
3.49E+01	-2.87E-02	1.85E-03	-1.07E-02
3.49E+01	-2.83E-02	1.02E-03	-7.20E-03
3.49E+01	-2.76E-02	-8.34E-05	-4.17E-03
3.50E+01	-2.68E-02	-1.49E-03	-1.94E-03
3.50E+01	-2.59E-02	-3.11E-03	-3.50E-04
3.50E+01	-2.49E-02	-4.84E-03	6.77E-04
3.50E+01	-2.43E-02	-6.46E-03	1.18E-03
3.50E+01	-2.39E-02	-7.99E-03	1.27E-03
3.50E+01	-2.36E-02	-9.39E-03	1.09E-03
3.50E+01	-2.34E-02	-1.04E-02	4.48E-04
3.50E+01	-2.31E-02	-1.10E-02	-9.44E-04
3.50E+01	-2.27E-02	-1.13E-02	-2.70E-03

3.50E+01	-2.19E-02	-1.07E-02	-3.99E-03
3.50E+01	-2.04E-02	-9.38E-03	-4.40E-03
3.50E+01	-1.85E-02	-7.13E-03	-4.11E-03
3.50E+01	-1.64E-02	-4.65E-03	-3.60E-03
3.50E+01	-1.43E-02	-2.33E-03	-3.17E-03
3.50E+01	-1.22E-02	-2.67E-04	-3.15E-03
3.50E+01	-1.04E-02	1.23E-03	-3.93E-03
3.50E+01	-8.78E-03	2.45E-03	-5.45E-03
3.50E+01	-7.26E-03	3.59E-03	-7.26E-03
3.50E+01	-5.77E-03	4.95E-03	-8.79E-03
3.50E+01	-4.30E-03	6.54E-03	-9.62E-03
3.51E+01	-2.68E-03	8.04E-03	-9.27E-03
3.51E+01	-1.19E-03	9.72E-03	-7.66E-03
3.51E+01	3.55E-05	1.14E-02	-5.70E-03
3.51E+01	9.58E-04	1.29E-02	-4.36E-03
3.51E+01	1.48E-03	1.44E-02	-4.42E-03
3.51E+01	1.72E-03	1.56E-02	-5.82E-03
3.51E+01	1.68E-03	1.67E-02	-7.28E-03
3.51E+01	1.57E-03	1.78E-02	-7.82E-03
3.51E+01	1.43E-03	1.85E-02	-7.20E-03
3.51E+01	1.01E-03	1.83E-02	-5.57E-03
3.51E+01	2.18E-04	1.71E-02	-3.61E-03
3.51E+01	-8.63E-04	1.45E-02	-1.24E-03
3.51E+01	-1.97E-03	1.10E-02	2.26E-03
3.51E+01	-2.88E-03	6.84E-03	6.36E-03
3.51E+01	-3.54E-03	2.56E-03	9.91E-03
3.51E+01	-3.85E-03	-1.46E-03	1.22E-02
3.51E+01	-3.53E-03	-5.09E-03	1.32E-02
3.51E+01	-2.52E-03	-8.37E-03	1.32E-02
3.51E+01	-6.79E-04	-1.12E-02	1.31E-02
3.51E+01	1.70E-03	-1.37E-02	1.35E-02
3.52E+01	4.13E-03	-1.63E-02	1.43E-02
3.52E+01	6.69E-03	-1.88E-02	1.47E-02
3.52E+01	9.06E-03	-2.17E-02	1.37E-02
3.52E+01	1.11E-02	-2.47E-02	1.17E-02
3.52E+01	1.33E-02	-2.68E-02	9.54E-03
3.52E+01	1.55E-02	-2.79E-02	7.26E-03
3.52E+01	1.76E-02	-2.82E-02	5.02E-03
3.52E+01	1.93E-02	-2.77E-02	3.55E-03
3.52E+01	2.06E-02	-2.65E-02	2.77E-03
3.52E+01	2.13E-02	-2.46E-02	2.28E-03
3.52E+01	2.14E-02	-2.23E-02	2.53E-03
3.52E+01	2.10E-02	-1.95E-02	4.05E-03
3.52E+01	2.03E-02	-1.66E-02	6.33E-03
3.52E+01	1.95E-02	-1.41E-02	8.63E-03
3.52E+01	1.91E-02	-1.19E-02	1.10E-02
3.52E+01	1.90E-02	-9.93E-03	1.34E-02

3.52E+01	1.93E-02	-8.39E-03	1.54E-02
3.52E+01	1.98E-02	-7.34E-03	1.67E-02
3.52E+01	2.05E-02	-6.92E-03	1.73E-02
3.52E+01	2.13E-02	-6.88E-03	1.78E-02
3.53E+01	2.21E-02	-7.19E-03	1.82E-02
3.53E+01	2.28E-02	-7.91E-03	1.82E-02
3.53E+01	2.35E-02	-8.64E-03	1.77E-02
3.53E+01	2.39E-02	-9.18E-03	1.71E-02
3.53E+01	2.44E-02	-9.32E-03	1.74E-02
3.53E+01	2.47E-02	-8.94E-03	1.87E-02
3.53E+01	2.48E-02	-8.30E-03	2.01E-02
3.53E+01	2.47E-02	-7.68E-03	2.07E-02
3.53E+01	2.47E-02	-7.07E-03	2.00E-02
3.53E+01	2.47E-02	-6.53E-03	1.85E-02
3.53E+01	2.52E-02	-6.10E-03	1.73E-02
3.53E+01	2.62E-02	-5.55E-03	1.70E-02
3.53E+01	2.76E-02	-4.80E-03	1.69E-02
3.53E+01	2.93E-02	-3.82E-03	1.67E-02
3.53E+01	3.12E-02	-2.47E-03	1.67E-02
3.53E+01	3.32E-02	-7.73E-04	1.71E-02
3.53E+01	3.50E-02	1.28E-03	1.77E-02
3.53E+01	3.64E-02	3.49E-03	1.81E-02
3.53E+01	3.75E-02	5.75E-03	1.86E-02
3.53E+01	3.78E-02	7.95E-03	1.93E-02
3.54E+01	3.75E-02	9.71E-03	1.98E-02
3.54E+01	3.63E-02	1.09E-02	2.03E-02
3.54E+01	3.48E-02	1.16E-02	2.12E-02
3.54E+01	3.33E-02	1.19E-02	2.27E-02
3.54E+01	3.17E-02	1.18E-02	2.47E-02
3.54E+01	3.00E-02	1.12E-02	2.61E-02
3.54E+01	2.85E-02	1.04E-02	2.63E-02
3.54E+01	2.71E-02	9.33E-03	2.54E-02
3.54E+01	2.60E-02	8.49E-03	2.42E-02
3.54E+01	2.55E-02	8.30E-03	2.34E-02
3.54E+01	2.56E-02	8.36E-03	2.32E-02
3.54E+01	2.58E-02	8.48E-03	2.31E-02
3.54E+01	2.61E-02	8.53E-03	2.21E-02
3.54E+01	2.61E-02	8.37E-03	1.96E-02
3.54E+01	2.61E-02	8.37E-03	1.63E-02
3.54E+01	2.61E-02	8.75E-03	1.36E-02
3.54E+01	2.58E-02	9.23E-03	1.16E-02
3.54E+01	2.51E-02	9.73E-03	1.03E-02
3.54E+01	2.40E-02	1.04E-02	9.54E-03
3.54E+01	2.25E-02	1.12E-02	9.92E-03
3.55E+01	2.03E-02	1.20E-02	1.11E-02
3.55E+01	1.79E-02	1.22E-02	1.19E-02
3.55E+01	1.51E-02	1.21E-02	1.21E-02

3.55E+01	1.23E-02	1.12E-02	1.13E-02
3.55E+01	9.46E-03	1.00E-02	9.83E-03
3.55E+01	6.69E-03	9.14E-03	8.31E-03
3.55E+01	4.69E-03	8.41E-03	7.43E-03
3.55E+01	2.91E-03	8.70E-03	8.27E-03
3.55E+01	1.25E-03	9.81E-03	1.07E-02
3.55E+01	-2.11E-04	1.10E-02	1.43E-02
3.55E+01	-1.75E-03	1.22E-02	1.88E-02
3.55E+01	-3.52E-03	1.32E-02	2.28E-02
3.55E+01	-5.53E-03	1.43E-02	2.58E-02
3.55E+01	-7.59E-03	1.55E-02	2.77E-02
3.55E+01	-9.73E-03	1.67E-02	2.86E-02
3.55E+01	-1.18E-02	1.81E-02	2.86E-02
3.55E+01	-1.36E-02	1.93E-02	2.75E-02
3.55E+01	-1.53E-02	2.00E-02	2.57E-02
3.55E+01	-1.70E-02	1.99E-02	2.36E-02
3.55E+01	-1.85E-02	1.86E-02	2.10E-02
3.56E+01	-1.97E-02	1.63E-02	1.77E-02
3.56E+01	-2.06E-02	1.34E-02	1.41E-02
3.56E+01	-2.12E-02	1.06E-02	1.05E-02
3.56E+01	-2.14E-02	8.26E-03	6.80E-03
3.56E+01	-2.13E-02	6.57E-03	3.66E-03
3.56E+01	-2.12E-02	5.88E-03	1.83E-03
3.56E+01	-2.12E-02	5.92E-03	1.21E-03
3.56E+01	-2.15E-02	6.03E-03	1.56E-03
3.56E+01	-2.20E-02	6.20E-03	2.40E-03
3.56E+01	-2.30E-02	6.36E-03	3.52E-03
3.56E+01	-2.43E-02	6.36E-03	4.66E-03
3.56E+01	-2.60E-02	6.32E-03	5.32E-03
3.56E+01	-2.80E-02	6.34E-03	5.17E-03
3.56E+01	-3.02E-02	6.54E-03	4.17E-03
3.56E+01	-3.26E-02	7.10E-03	3.31E-03
3.56E+01	-3.51E-02	8.11E-03	3.42E-03
3.56E+01	-3.76E-02	9.36E-03	4.18E-03
3.56E+01	-3.99E-02	1.07E-02	5.33E-03
3.56E+01	-4.16E-02	1.22E-02	6.39E-03
3.56E+01	-4.28E-02	1.36E-02	6.89E-03
3.57E+01	-4.32E-02	1.47E-02	6.91E-03
3.57E+01	-4.27E-02	1.58E-02	6.57E-03
3.57E+01	-4.13E-02	1.67E-02	6.19E-03
3.57E+01	-3.90E-02	1.73E-02	6.15E-03
3.57E+01	-3.59E-02	1.79E-02	6.92E-03
3.57E+01	-3.23E-02	1.83E-02	8.48E-03
3.57E+01	-2.82E-02	1.82E-02	9.84E-03
3.57E+01	-2.39E-02	1.76E-02	1.05E-02
3.57E+01	-1.98E-02	1.64E-02	1.06E-02
3.57E+01	-1.60E-02	1.47E-02	9.93E-03

3.57E+01	-1.25E-02	1.23E-02	8.83E-03
3.57E+01	-9.51E-03	9.51E-03	7.46E-03
3.57E+01	-7.00E-03	6.79E-03	5.80E-03
3.57E+01	-4.80E-03	4.25E-03	4.34E-03
3.57E+01	-2.89E-03	2.03E-03	3.47E-03
3.57E+01	-1.35E-03	-2.20E-04	2.84E-03
3.57E+01	-2.96E-05	-2.53E-03	2.08E-03
3.57E+01	1.14E-03	-4.71E-03	8.88E-04
3.57E+01	2.22E-03	-6.91E-03	-1.12E-03
3.57E+01	3.24E-03	-9.23E-03	-3.90E-03
3.58E+01	4.16E-03	-1.13E-02	-6.86E-03
3.58E+01	4.91E-03	-1.29E-02	-9.51E-03
3.58E+01	5.38E-03	-1.42E-02	-1.16E-02
3.58E+01	5.59E-03	-1.49E-02	-1.26E-02
3.58E+01	5.42E-03	-1.52E-02	-1.21E-02
3.58E+01	4.85E-03	-1.52E-02	-1.06E-02
3.58E+01	3.96E-03	-1.48E-02	-8.42E-03
3.58E+01	2.86E-03	-1.42E-02	-5.97E-03
3.58E+01	1.66E-03	-1.34E-02	-4.05E-03
3.58E+01	4.35E-04	-1.28E-02	-2.81E-03
3.58E+01	-5.89E-04	-1.25E-02	-2.56E-03
3.58E+01	-1.17E-03	-1.23E-02	-3.74E-03
3.58E+01	-1.22E-03	-1.22E-02	-5.78E-03
3.58E+01	-5.76E-04	-1.22E-02	-7.85E-03
3.58E+01	9.07E-04	-1.24E-02	-9.43E-03
3.58E+01	2.92E-03	-1.25E-02	-1.05E-02
3.58E+01	5.00E-03	-1.26E-02	-1.18E-02
3.58E+01	6.80E-03	-1.27E-02	-1.32E-02
3.58E+01	8.22E-03	-1.23E-02	-1.40E-02
3.58E+01	9.11E-03	-1.13E-02	-1.38E-02
3.59E+01	9.12E-03	-1.00E-02	-1.29E-02
3.59E+01	8.19E-03	-8.46E-03	-1.16E-02
3.59E+01	6.23E-03	-6.69E-03	-1.03E-02
3.59E+01	3.43E-03	-4.98E-03	-9.23E-03
3.59E+01	4.37E-04	-3.55E-03	-8.45E-03
3.59E+01	-2.32E-03	-2.31E-03	-7.91E-03
3.59E+01	-4.56E-03	-1.22E-03	-7.47E-03
3.59E+01	-6.15E-03	-4.59E-04	-6.67E-03
3.59E+01	-7.04E-03	-2.69E-05	-5.44E-03
3.59E+01	-7.40E-03	-1.26E-04	-4.16E-03
3.59E+01	-7.46E-03	-7.84E-04	-3.41E-03
3.59E+01	-7.28E-03	-1.94E-03	-4.25E-03
3.59E+01	-7.02E-03	-3.62E-03	-6.87E-03
3.59E+01	-6.65E-03	-5.48E-03	-1.01E-02
3.59E+01	-6.29E-03	-7.35E-03	-1.28E-02
3.59E+01	-6.05E-03	-9.32E-03	-1.43E-02
3.59E+01	-5.92E-03	-1.14E-02	-1.45E-02

3.59E+01	-6.12E-03	-1.37E-02	-1.38E-02
3.59E+01	-6.70E-03	-1.63E-02	-1.28E-02
3.59E+01	-7.51E-03	-1.89E-02	-1.17E-02
3.60E+01	-8.43E-03	-2.13E-02	-1.09E-02
3.60E+01	-9.35E-03	-2.35E-02	-1.07E-02
3.60E+01	-1.00E-02	-2.52E-02	-1.03E-02
3.60E+01	-9.95E-03	-2.63E-02	-8.48E-03
3.60E+01	-9.10E-03	-2.66E-02	-4.87E-03
3.60E+01	-7.65E-03	-2.66E-02	-4.97E-04
3.60E+01	-5.63E-03	-2.64E-02	4.23E-03
3.60E+01	-3.34E-03	-2.58E-02	8.66E-03
3.60E+01	-1.29E-03	-2.52E-02	1.16E-02
3.60E+01	3.19E-04	-2.46E-02	1.30E-02
3.60E+01	1.24E-03	-2.36E-02	1.34E-02
3.60E+01	1.37E-03	-2.22E-02	1.34E-02
3.60E+01	5.67E-04	-2.01E-02	1.35E-02
3.60E+01	-1.20E-03	-1.72E-02	1.37E-02
3.60E+01	-3.68E-03	-1.40E-02	1.41E-02
3.60E+01	-6.49E-03	-1.09E-02	1.43E-02
3.60E+01	-9.20E-03	-7.98E-03	1.33E-02
3.60E+01	-1.16E-02	-5.42E-03	1.10E-02
3.60E+01	-1.34E-02	-2.86E-03	7.98E-03
3.60E+01	-1.44E-02	-3.24E-04	4.72E-03
3.61E+01	-1.44E-02	2.12E-03	1.63E-03
3.61E+01	-1.37E-02	4.44E-03	-1.01E-03
3.61E+01	-1.29E-02	6.39E-03	-3.27E-03
3.61E+01	-1.19E-02	7.96E-03	-5.36E-03
3.61E+01	-1.10E-02	9.22E-03	-7.44E-03
3.61E+01	-1.01E-02	1.02E-02	-9.13E-03
3.61E+01	-9.20E-03	1.09E-02	-1.04E-02
3.61E+01	-8.02E-03	1.17E-02	-1.19E-02
3.61E+01	-6.26E-03	1.26E-02	-1.33E-02
3.61E+01	-3.99E-03	1.30E-02	-1.48E-02
3.61E+01	-1.14E-03	1.28E-02	-1.65E-02
3.61E+01	2.00E-03	1.19E-02	-1.82E-02
3.61E+01	4.90E-03	1.01E-02	-1.94E-02
3.61E+01	7.19E-03	8.13E-03	-1.94E-02
3.61E+01	8.55E-03	5.98E-03	-1.88E-02
3.61E+01	8.78E-03	4.02E-03	-1.80E-02
3.61E+01	7.90E-03	2.92E-03	-1.74E-02
3.61E+01	6.03E-03	2.69E-03	-1.72E-02
3.61E+01	3.21E-03	3.22E-03	-1.66E-02
3.61E+01	-2.63E-04	4.29E-03	-1.56E-02
3.62E+01	-3.99E-03	5.58E-03	-1.43E-02
3.62E+01	-7.70E-03	6.94E-03	-1.26E-02
3.62E+01	-1.11E-02	7.93E-03	-1.06E-02
3.62E+01	-1.38E-02	8.28E-03	-8.54E-03

3.62E+01	-1.58E-02	8.07E-03	-6.12E-03
3.62E+01	-1.72E-02	7.42E-03	-3.74E-03
3.62E+01	-1.81E-02	6.38E-03	-2.21E-03
3.62E+01	-1.86E-02	5.18E-03	-2.10E-03
3.62E+01	-1.86E-02	4.21E-03	-3.84E-03
3.62E+01	-1.84E-02	3.53E-03	-6.77E-03
3.62E+01	-1.82E-02	3.02E-03	-1.01E-02
3.62E+01	-1.79E-02	2.51E-03	-1.35E-02
3.62E+01	-1.77E-02	1.80E-03	-1.65E-02
3.62E+01	-1.77E-02	8.30E-04	-1.82E-02
3.62E+01	-1.76E-02	-4.37E-04	-1.87E-02
3.62E+01	-1.72E-02	-1.96E-03	-1.76E-02
3.62E+01	-1.65E-02	-3.42E-03	-1.53E-02
3.62E+01	-1.51E-02	-4.75E-03	-1.31E-02
3.62E+01	-1.31E-02	-6.03E-03	-1.22E-02
3.62E+01	-1.03E-02	-7.13E-03	-1.29E-02
3.63E+01	-6.89E-03	-8.09E-03	-1.40E-02
3.63E+01	-3.24E-03	-9.22E-03	-1.47E-02
3.63E+01	4.15E-04	-1.09E-02	-1.47E-02
3.63E+01	3.80E-03	-1.34E-02	-1.41E-02
3.63E+01	6.61E-03	-1.66E-02	-1.32E-02
3.63E+01	8.62E-03	-2.01E-02	-1.24E-02
3.63E+01	9.66E-03	-2.36E-02	-1.20E-02
3.63E+01	9.80E-03	-2.64E-02	-1.16E-02
3.63E+01	9.10E-03	-2.80E-02	-1.12E-02
3.63E+01	7.58E-03	-2.82E-02	-1.05E-02
3.63E+01	5.41E-03	-2.68E-02	-9.04E-03
3.63E+01	2.91E-03	-2.39E-02	-6.26E-03
3.63E+01	4.85E-04	-1.98E-02	-2.44E-03
3.63E+01	-1.56E-03	-1.54E-02	1.73E-03
3.63E+01	-3.11E-03	-1.16E-02	5.52E-03
3.63E+01	-4.13E-03	-9.21E-03	8.27E-03
3.63E+01	-4.63E-03	-7.99E-03	9.81E-03
3.63E+01	-4.42E-03	-7.27E-03	1.06E-02
3.63E+01	-3.49E-03	-6.71E-03	1.10E-02
3.63E+01	-2.08E-03	-6.20E-03	1.13E-02
3.64E+01	-3.44E-04	-5.64E-03	1.10E-02
3.64E+01	1.29E-03	-5.11E-03	9.74E-03
3.64E+01	2.56E-03	-4.65E-03	7.30E-03
3.64E+01	3.56E-03	-4.44E-03	3.91E-03
3.64E+01	4.41E-03	-4.37E-03	2.15E-04
3.64E+01	5.20E-03	-4.36E-03	-3.64E-03
3.64E+01	5.78E-03	-4.42E-03	-7.33E-03
3.64E+01	5.96E-03	-4.42E-03	-1.05E-02
3.64E+01	5.69E-03	-4.51E-03	-1.31E-02
3.64E+01	5.00E-03	-4.62E-03	-1.50E-02
3.64E+01	3.93E-03	-4.70E-03	-1.60E-02

3.64E+01	2.54E-03	-4.84E-03	-1.62E-02
3.64E+01	9.07E-04	-4.84E-03	-1.59E-02
3.64E+01	-7.43E-04	-4.69E-03	-1.57E-02
3.64E+01	-2.17E-03	-4.32E-03	-1.55E-02
3.64E+01	-3.23E-03	-3.80E-03	-1.47E-02
3.64E+01	-4.03E-03	-3.34E-03	-1.33E-02
3.64E+01	-4.79E-03	-3.09E-03	-1.18E-02
3.64E+01	-5.56E-03	-3.42E-03	-1.06E-02
3.64E+01	-6.28E-03	-4.18E-03	-9.43E-03
3.65E+01	-6.80E-03	-5.13E-03	-8.16E-03
3.65E+01	-7.00E-03	-6.25E-03	-6.47E-03
3.65E+01	-6.74E-03	-7.18E-03	-4.19E-03
3.65E+01	-5.94E-03	-7.67E-03	-2.15E-03
3.65E+01	-4.55E-03	-7.91E-03	-1.22E-03
3.65E+01	-2.57E-03	-8.03E-03	-1.38E-03
3.65E+01	-2.55E-04	-8.00E-03	-2.29E-03
3.65E+01	2.04E-03	-8.05E-03	-4.17E-03
3.65E+01	4.02E-03	-8.34E-03	-6.95E-03
3.65E+01	5.51E-03	-8.91E-03	-9.93E-03
3.65E+01	6.17E-03	-9.74E-03	-1.31E-02
3.65E+01	5.70E-03	-1.06E-02	-1.65E-02
3.65E+01	4.44E-03	-1.12E-02	-1.97E-02
3.65E+01	2.68E-03	-1.11E-02	-2.21E-02
3.65E+01	6.35E-04	-1.02E-02	-2.37E-02
3.65E+01	-1.62E-03	-8.80E-03	-2.40E-02
3.65E+01	-3.72E-03	-6.98E-03	-2.28E-02
3.65E+01	-5.03E-03	-5.04E-03	-2.04E-02
3.65E+01	-5.59E-03	-3.37E-03	-1.78E-02
3.65E+01	-5.22E-03	-2.08E-03	-1.50E-02
3.66E+01	-3.77E-03	-1.24E-03	-1.18E-02
3.66E+01	-1.36E-03	-8.93E-04	-8.27E-03
3.66E+01	1.79E-03	-8.45E-04	-4.35E-03
3.66E+01	5.28E-03	-1.21E-03	-8.70E-04
3.66E+01	8.93E-03	-2.02E-03	1.30E-03
3.66E+01	1.24E-02	-2.85E-03	2.09E-03
3.66E+01	1.55E-02	-3.52E-03	1.78E-03
3.66E+01	1.81E-02	-4.04E-03	6.70E-04
3.66E+01	1.98E-02	-4.48E-03	-5.97E-04
3.66E+01	2.07E-02	-4.80E-03	-1.76E-03
3.66E+01	2.07E-02	-5.14E-03	-3.05E-03
3.66E+01	1.98E-02	-5.58E-03	-4.12E-03
3.66E+01	1.82E-02	-5.90E-03	-4.58E-03
3.66E+01	1.61E-02	-6.17E-03	-4.37E-03
3.66E+01	1.35E-02	-6.50E-03	-3.87E-03
3.66E+01	1.07E-02	-6.75E-03	-3.85E-03
3.66E+01	8.05E-03	-6.87E-03	-4.06E-03
3.66E+01	5.62E-03	-6.77E-03	-4.15E-03

3.66E+01	3.71E-03	-6.40E-03	-4.55E-03
3.66E+01	2.31E-03	-5.95E-03	-5.34E-03
3.67E+01	1.25E-03	-5.58E-03	-6.15E-03
3.67E+01	4.57E-04	-5.30E-03	-6.59E-03
3.67E+01	-9.86E-05	-5.05E-03	-6.51E-03
3.67E+01	-6.26E-04	-4.79E-03	-5.91E-03
3.67E+01	-1.30E-03	-4.56E-03	-4.51E-03
3.67E+01	-2.00E-03	-4.37E-03	-2.43E-03
3.67E+01	-2.90E-03	-4.48E-03	-5.53E-04
3.67E+01	-4.13E-03	-4.97E-03	4.22E-05
3.67E+01	-5.36E-03	-5.33E-03	-6.53E-04
3.67E+01	-6.41E-03	-5.28E-03	-1.21E-03
3.67E+01	-7.20E-03	-4.63E-03	-7.47E-04
3.67E+01	-7.81E-03	-3.33E-03	9.79E-04
3.67E+01	-8.34E-03	-1.46E-03	4.04E-03
3.67E+01	-8.83E-03	6.86E-04	7.31E-03
3.67E+01	-9.44E-03	2.81E-03	9.51E-03
3.67E+01	-1.04E-02	4.94E-03	1.03E-02
3.67E+01	-1.14E-02	7.00E-03	1.01E-02
3.67E+01	-1.23E-02	8.99E-03	9.89E-03
3.67E+01	-1.34E-02	1.09E-02	9.86E-03
3.67E+01	-1.44E-02	1.25E-02	1.00E-02
3.68E+01	-1.55E-02	1.37E-02	1.04E-02
3.68E+01	-1.65E-02	1.45E-02	1.08E-02
3.68E+01	-1.74E-02	1.48E-02	1.12E-02
3.68E+01	-1.82E-02	1.48E-02	1.16E-02
3.68E+01	-1.87E-02	1.46E-02	1.17E-02
3.68E+01	-1.88E-02	1.44E-02	1.08E-02
3.68E+01	-1.85E-02	1.45E-02	9.08E-03
3.68E+01	-1.76E-02	1.51E-02	7.48E-03
3.68E+01	-1.62E-02	1.62E-02	6.83E-03
3.68E+01	-1.43E-02	1.74E-02	6.62E-03
3.68E+01	-1.24E-02	1.85E-02	6.09E-03
3.68E+01	-1.04E-02	1.93E-02	5.06E-03
3.68E+01	-8.45E-03	1.98E-02	3.59E-03
3.68E+01	-6.47E-03	2.01E-02	2.15E-03
3.68E+01	-4.67E-03	2.05E-02	1.12E-03
3.68E+01	-3.19E-03	2.09E-02	5.58E-04
3.68E+01	-2.11E-03	2.15E-02	6.61E-04
3.68E+01	-1.58E-03	2.21E-02	1.15E-03
3.68E+01	-1.61E-03	2.26E-02	1.44E-03
3.68E+01	-2.23E-03	2.31E-02	1.45E-03
3.69E+01	-3.36E-03	2.36E-02	1.43E-03
3.69E+01	-4.98E-03	2.39E-02	1.65E-03
3.69E+01	-6.99E-03	2.40E-02	2.13E-03
3.69E+01	-9.15E-03	2.38E-02	2.54E-03
3.69E+01	-1.12E-02	2.36E-02	2.57E-03

3.69E+01	-1.31E-02	2.36E-02	1.99E-03
3.69E+01	-1.47E-02	2.38E-02	8.18E-04
3.69E+01	-1.59E-02	2.41E-02	-2.35E-04
3.69E+01	-1.67E-02	2.46E-02	-9.82E-04
3.69E+01	-1.71E-02	2.49E-02	-1.97E-03
3.69E+01	-1.71E-02	2.47E-02	-3.49E-03
3.69E+01	-1.66E-02	2.39E-02	-5.38E-03
3.69E+01	-1.53E-02	2.25E-02	-6.59E-03
3.69E+01	-1.34E-02	2.04E-02	-6.28E-03
3.69E+01	-1.10E-02	1.78E-02	-4.86E-03
3.69E+01	-8.34E-03	1.47E-02	-3.03E-03
3.69E+01	-5.57E-03	1.15E-02	-1.11E-03
3.69E+01	-2.76E-03	8.73E-03	5.14E-04
3.69E+01	-1.95E-04	6.38E-03	1.32E-03
3.69E+01	2.14E-03	4.37E-03	1.67E-03
3.70E+01	4.21E-03	2.72E-03	1.81E-03
3.70E+01	5.97E-03	1.51E-03	1.34E-03
3.70E+01	7.32E-03	2.56E-04	5.50E-04
3.70E+01	8.26E-03	-9.66E-04	-2.51E-04
3.70E+01	8.84E-03	-2.02E-03	-8.83E-04
3.70E+01	9.02E-03	-2.87E-03	-9.14E-04
3.70E+01	8.72E-03	-3.38E-03	-3.30E-04
3.70E+01	7.63E-03	-3.72E-03	6.32E-04
3.70E+01	5.56E-03	-3.60E-03	1.90E-03
3.70E+01	2.74E-03	-2.73E-03	3.31E-03
3.70E+01	-5.70E-04	-1.22E-03	4.45E-03
3.70E+01	-4.24E-03	5.96E-04	4.81E-03
3.70E+01	-8.06E-03	2.34E-03	4.09E-03
3.70E+01	-1.17E-02	4.12E-03	2.51E-03
3.70E+01	-1.49E-02	5.75E-03	5.18E-04
3.70E+01	-1.73E-02	6.94E-03	-1.29E-03
3.70E+01	-1.91E-02	7.84E-03	-2.29E-03
3.70E+01	-2.00E-02	8.29E-03	-2.64E-03
3.70E+01	-2.01E-02	8.09E-03	-2.83E-03
3.70E+01	-1.95E-02	7.39E-03	-2.40E-03
3.71E+01	-1.78E-02	6.29E-03	-8.69E-04
3.71E+01	-1.49E-02	4.85E-03	1.27E-03
3.71E+01	-1.08E-02	3.24E-03	3.19E-03
3.71E+01	-6.07E-03	1.71E-03	4.36E-03
3.71E+01	-1.14E-03	5.53E-04	4.88E-03
3.71E+01	3.82E-03	-1.15E-04	5.17E-03
3.71E+01	8.25E-03	-5.38E-04	4.97E-03
3.71E+01	1.17E-02	-1.01E-03	3.49E-03
3.71E+01	1.41E-02	-1.70E-03	1.12E-03
3.71E+01	1.55E-02	-2.66E-03	-9.02E-04
3.71E+01	1.63E-02	-3.64E-03	-1.95E-03
3.71E+01	1.65E-02	-4.72E-03	-1.97E-03

3.71E+01	1.64E-02	-5.78E-03	-7.24E-04
3.71E+01	1.63E-02	-6.45E-03	1.75E-03
3.71E+01	1.62E-02	-7.10E-03	4.52E-03
3.71E+01	1.62E-02	-7.81E-03	6.62E-03
3.71E+01	1.65E-02	-8.48E-03	7.66E-03
3.71E+01	1.71E-02	-9.14E-03	7.39E-03
3.71E+01	1.79E-02	-9.63E-03	6.08E-03
3.71E+01	1.88E-02	-9.92E-03	4.54E-03
3.72E+01	1.95E-02	-9.94E-03	2.99E-03
3.72E+01	1.99E-02	-9.76E-03	1.32E-03
3.72E+01	1.98E-02	-9.56E-03	-3.82E-04
3.72E+01	1.89E-02	-9.52E-03	-2.27E-03
3.72E+01	1.74E-02	-9.54E-03	-4.16E-03
3.72E+01	1.57E-02	-9.65E-03	-6.06E-03
3.72E+01	1.40E-02	-9.83E-03	-8.18E-03
3.72E+01	1.27E-02	-9.58E-03	-1.01E-02
3.72E+01	1.17E-02	-9.29E-03	-1.16E-02
3.72E+01	1.14E-02	-9.18E-03	-1.17E-02
3.72E+01	1.16E-02	-9.17E-03	-9.79E-03
3.72E+01	1.21E-02	-9.94E-03	-7.66E-03
3.72E+01	1.32E-02	-1.14E-02	-5.66E-03
3.72E+01	1.43E-02	-1.28E-02	-2.94E-03
3.72E+01	1.52E-02	-1.43E-02	-1.42E-04
3.72E+01	1.56E-02	-1.54E-02	2.11E-03
3.72E+01	1.54E-02	-1.58E-02	4.05E-03
3.72E+01	1.45E-02	-1.54E-02	6.03E-03
3.72E+01	1.32E-02	-1.40E-02	8.07E-03
3.72E+01	1.12E-02	-1.19E-02	9.53E-03
3.73E+01	8.69E-03	-9.19E-03	9.63E-03
3.73E+01	6.39E-03	-6.11E-03	8.04E-03
3.73E+01	4.86E-03	-2.95E-03	5.27E-03
3.73E+01	4.23E-03	1.04E-04	2.46E-03
3.73E+01	4.49E-03	2.66E-03	5.00E-04
3.73E+01	5.64E-03	4.57E-03	-2.26E-04
3.73E+01	7.36E-03	5.80E-03	1.13E-04
3.73E+01	9.31E-03	6.07E-03	9.07E-04
3.73E+01	1.12E-02	5.38E-03	1.75E-03
3.73E+01	1.29E-02	3.74E-03	2.57E-03
3.73E+01	1.43E-02	1.48E-03	3.19E-03
3.73E+01	1.52E-02	-9.56E-04	3.49E-03
3.73E+01	1.55E-02	-3.29E-03	3.78E-03
3.73E+01	1.54E-02	-5.25E-03	4.64E-03
3.73E+01	1.48E-02	-6.56E-03	6.52E-03
3.73E+01	1.37E-02	-7.05E-03	9.16E-03
3.73E+01	1.20E-02	-6.99E-03	1.19E-02
3.73E+01	1.00E-02	-6.50E-03	1.47E-02
3.73E+01	7.49E-03	-5.62E-03	1.72E-02

3.73E+01	4.68E-03	-4.52E-03	1.86E-02
3.74E+01	1.74E-03	-3.10E-03	1.86E-02
3.74E+01	-1.26E-03	-1.17E-03	1.68E-02
3.74E+01	-4.14E-03	1.32E-03	1.31E-02
3.74E+01	-6.89E-03	4.06E-03	8.19E-03
3.74E+01	-9.63E-03	6.97E-03	3.19E-03
3.74E+01	-1.22E-02	9.77E-03	-9.48E-04
3.74E+01	-1.45E-02	1.22E-02	-3.59E-03
3.74E+01	-1.66E-02	1.45E-02	-4.43E-03
3.74E+01	-1.85E-02	1.63E-02	-4.66E-03
3.74E+01	-1.96E-02	1.71E-02	-5.25E-03
3.74E+01	-1.97E-02	1.77E-02	-5.95E-03
3.74E+01	-1.87E-02	1.83E-02	-6.79E-03
3.74E+01	-1.64E-02	1.86E-02	-7.56E-03
3.74E+01	-1.28E-02	1.87E-02	-7.43E-03
3.74E+01	-8.59E-03	1.83E-02	-6.22E-03
3.74E+01	-4.06E-03	1.70E-02	-4.20E-03
3.74E+01	4.81E-05	1.49E-02	-1.79E-03
3.74E+01	3.32E-03	1.22E-02	3.68E-04
3.74E+01	5.37E-03	9.34E-03	1.71E-03
3.74E+01	6.07E-03	6.77E-03	2.25E-03
3.75E+01	6.00E-03	5.14E-03	2.64E-03
3.75E+01	5.37E-03	4.65E-03	3.52E-03
3.75E+01	4.15E-03	5.16E-03	5.43E-03
3.75E+01	2.52E-03	6.47E-03	8.57E-03
3.75E+01	6.80E-04	8.01E-03	1.18E-02
3.75E+01	-1.19E-03	8.91E-03	1.38E-02
3.75E+01	-2.98E-03	9.13E-03	1.45E-02
3.75E+01	-4.29E-03	9.00E-03	1.42E-02
3.75E+01	-4.84E-03	8.65E-03	1.29E-02
3.75E+01	-4.78E-03	8.56E-03	1.05E-02
3.75E+01	-4.20E-03	8.70E-03	7.35E-03
3.75E+01	-3.22E-03	9.04E-03	4.40E-03
3.75E+01	-2.22E-03	9.69E-03	2.38E-03
3.75E+01	-1.52E-03	1.01E-02	1.33E-03
3.75E+01	-1.30E-03	1.00E-02	1.46E-03
3.75E+01	-1.82E-03	9.43E-03	2.19E-03
3.75E+01	-3.04E-03	8.14E-03	2.54E-03
3.75E+01	-4.55E-03	6.51E-03	3.01E-03
3.75E+01	-6.23E-03	5.11E-03	3.78E-03
3.75E+01	-8.21E-03	3.78E-03	4.36E-03
3.76E+01	-1.03E-02	2.87E-03	5.22E-03
3.76E+01	-1.24E-02	2.65E-03	6.56E-03
3.76E+01	-1.45E-02	2.67E-03	8.19E-03
3.76E+01	-1.65E-02	2.91E-03	9.66E-03
3.76E+01	-1.88E-02	3.04E-03	1.01E-02
3.76E+01	-2.12E-02	3.02E-03	9.37E-03

3.76E+01	-2.35E-02	3.14E-03	8.01E-03
3.76E+01	-2.55E-02	3.31E-03	6.52E-03
3.76E+01	-2.70E-02	3.67E-03	5.45E-03
3.76E+01	-2.80E-02	3.83E-03	4.55E-03
3.76E+01	-2.83E-02	3.50E-03	3.38E-03
3.76E+01	-2.80E-02	2.75E-03	1.53E-03
3.76E+01	-2.74E-02	1.10E-03	-1.12E-03
3.76E+01	-2.66E-02	-1.04E-03	-3.70E-03
3.76E+01	-2.55E-02	-3.14E-03	-5.93E-03
3.76E+01	-2.39E-02	-4.94E-03	-7.80E-03
3.76E+01	-2.21E-02	-5.97E-03	-8.78E-03
3.76E+01	-2.01E-02	-6.29E-03	-8.90E-03
3.76E+01	-1.82E-02	-6.15E-03	-8.72E-03
3.76E+01	-1.67E-02	-6.09E-03	-8.72E-03
3.77E+01	-1.53E-02	-6.49E-03	-8.67E-03
3.77E+01	-1.43E-02	-7.11E-03	-8.37E-03
3.77E+01	-1.34E-02	-8.01E-03	-7.86E-03
3.77E+01	-1.25E-02	-9.29E-03	-6.78E-03
3.77E+01	-1.14E-02	-1.08E-02	-5.33E-03
3.77E+01	-1.00E-02	-1.25E-02	-3.82E-03
3.77E+01	-8.62E-03	-1.43E-02	-2.45E-03
3.77E+01	-7.13E-03	-1.61E-02	-1.32E-03
3.77E+01	-5.55E-03	-1.76E-02	2.06E-05
3.77E+01	-4.33E-03	-1.88E-02	1.26E-03
3.77E+01	-3.54E-03	-1.95E-02	1.88E-03
3.77E+01	-3.04E-03	-1.97E-02	1.96E-03
3.77E+01	-2.64E-03	-1.95E-02	1.62E-03
3.77E+01	-2.33E-03	-1.89E-02	1.32E-03
3.77E+01	-2.22E-03	-1.80E-02	1.33E-03
3.77E+01	-2.32E-03	-1.69E-02	1.49E-03
3.77E+01	-2.73E-03	-1.57E-02	1.28E-03
3.77E+01	-3.41E-03	-1.46E-02	7.19E-05
3.77E+01	-4.12E-03	-1.34E-02	-1.69E-03
3.77E+01	-4.79E-03	-1.20E-02	-2.82E-03
3.78E+01	-5.42E-03	-1.05E-02	-2.93E-03
3.78E+01	-6.13E-03	-9.03E-03	-2.19E-03
3.78E+01	-7.07E-03	-7.75E-03	-1.02E-03
3.78E+01	-8.26E-03	-6.63E-03	1.68E-04
3.78E+01	-9.77E-03	-5.51E-03	1.61E-03
3.78E+01	-1.15E-02	-4.36E-03	3.58E-03
3.78E+01	-1.33E-02	-3.22E-03	5.73E-03
3.78E+01	-1.49E-02	-2.06E-03	7.40E-03
3.78E+01	-1.63E-02	-1.09E-03	8.14E-03
3.78E+01	-1.74E-02	-3.52E-04	8.42E-03
3.78E+01	-1.81E-02	2.53E-04	8.72E-03
3.78E+01	-1.84E-02	4.76E-04	8.94E-03
3.78E+01	-1.84E-02	4.47E-04	8.96E-03

3.78E+01	-1.82E-02	2.47E-04	8.69E-03
3.78E+01	-1.78E-02	-1.78E-04	8.30E-03
3.78E+01	-1.74E-02	-4.30E-04	7.80E-03
3.78E+01	-1.70E-02	-5.07E-04	7.06E-03
3.78E+01	-1.68E-02	-2.52E-04	6.14E-03
3.78E+01	-1.67E-02	5.85E-04	4.78E-03
3.78E+01	-1.66E-02	1.70E-03	2.94E-03
3.79E+01	-1.67E-02	3.16E-03	1.05E-03
3.79E+01	-1.67E-02	5.10E-03	-6.86E-04
3.79E+01	-1.67E-02	7.38E-03	-2.24E-03
3.79E+01	-1.65E-02	9.97E-03	-3.39E-03
3.79E+01	-1.61E-02	1.28E-02	-3.77E-03
3.79E+01	-1.55E-02	1.56E-02	-3.45E-03
3.79E+01	-1.48E-02	1.82E-02	-2.99E-03
3.79E+01	-1.42E-02	2.06E-02	-2.94E-03
3.79E+01	-1.36E-02	2.27E-02	-3.30E-03
3.79E+01	-1.32E-02	2.44E-02	-3.84E-03
3.79E+01	-1.27E-02	2.57E-02	-4.68E-03
3.79E+01	-1.23E-02	2.67E-02	-5.98E-03
3.79E+01	-1.17E-02	2.74E-02	-7.46E-03
3.79E+01	-1.07E-02	2.77E-02	-8.23E-03
3.79E+01	-9.19E-03	2.76E-02	-7.47E-03
3.79E+01	-7.01E-03	2.67E-02	-5.40E-03
3.79E+01	-4.28E-03	2.51E-02	-2.78E-03
3.79E+01	-1.17E-03	2.29E-02	-3.02E-04
3.79E+01	2.25E-03	2.05E-02	1.34E-03
3.79E+01	5.69E-03	1.83E-02	1.89E-03
3.80E+01	9.00E-03	1.65E-02	1.40E-03
3.80E+01	1.21E-02	1.54E-02	2.78E-05
3.80E+01	1.48E-02	1.50E-02	-1.94E-03
3.80E+01	1.73E-02	1.50E-02	-3.79E-03
3.80E+01	1.91E-02	1.53E-02	-4.75E-03
3.80E+01	2.01E-02	1.55E-02	-4.73E-03
3.80E+01	2.03E-02	1.55E-02	-3.97E-03
3.80E+01	1.95E-02	1.54E-02	-2.96E-03
3.80E+01	1.79E-02	1.51E-02	-2.18E-03
3.80E+01	1.57E-02	1.47E-02	-1.94E-03
3.80E+01	1.32E-02	1.43E-02	-2.46E-03
3.80E+01	1.08E-02	1.37E-02	-3.21E-03
3.80E+01	8.72E-03	1.28E-02	-3.11E-03
3.80E+01	7.18E-03	1.14E-02	-1.83E-03
3.80E+01	6.05E-03	9.33E-03	1.86E-04
3.80E+01	5.30E-03	6.93E-03	2.30E-03
3.80E+01	4.95E-03	4.59E-03	3.86E-03
3.80E+01	4.79E-03	2.65E-03	4.36E-03
3.80E+01	4.85E-03	1.33E-03	3.94E-03
3.80E+01	5.13E-03	5.98E-04	3.35E-03

3.81E+01	5.34E-03	3.06E-04	3.03E-03
3.81E+01	5.19E-03	1.77E-04	2.77E-03
3.81E+01	4.51E-03	-9.54E-06	2.34E-03
3.81E+01	3.52E-03	-3.70E-04	2.06E-03
3.81E+01	2.50E-03	-1.03E-03	2.05E-03
3.81E+01	1.53E-03	-1.89E-03	2.12E-03
3.81E+01	7.95E-04	-2.63E-03	2.38E-03
3.81E+01	5.87E-04	-2.93E-03	2.60E-03
3.81E+01	8.28E-04	-2.65E-03	2.67E-03
3.81E+01	1.33E-03	-1.88E-03	2.53E-03
3.81E+01	2.19E-03	-7.52E-04	1.77E-03
3.81E+01	3.49E-03	5.35E-04	9.07E-04
3.81E+01	5.21E-03	1.88E-03	6.20E-04
3.81E+01	7.27E-03	3.08E-03	7.64E-04
3.81E+01	9.72E-03	4.03E-03	1.19E-03
3.81E+01	1.24E-02	4.89E-03	1.76E-03
3.81E+01	1.50E-02	5.57E-03	1.94E-03
3.81E+01	1.74E-02	5.95E-03	1.33E-03
3.81E+01	1.94E-02	6.21E-03	6.29E-05
3.81E+01	2.10E-02	6.46E-03	-1.59E-03
3.82E+01	2.22E-02	6.68E-03	-3.17E-03
3.82E+01	2.30E-02	7.02E-03	-4.20E-03
3.82E+01	2.32E-02	7.44E-03	-4.51E-03
3.82E+01	2.27E-02	7.76E-03	-4.20E-03
3.82E+01	2.14E-02	8.05E-03	-3.35E-03
3.82E+01	1.93E-02	8.14E-03	-2.16E-03
3.82E+01	1.63E-02	8.08E-03	-9.29E-04
3.82E+01	1.32E-02	7.97E-03	4.77E-04
3.82E+01	1.03E-02	8.03E-03	2.20E-03
3.82E+01	7.66E-03	8.44E-03	3.96E-03
3.82E+01	5.43E-03	9.01E-03	5.40E-03
3.82E+01	3.86E-03	9.94E-03	6.40E-03
3.82E+01	2.97E-03	1.10E-02	7.23E-03
3.82E+01	2.60E-03	1.20E-02	7.79E-03
3.82E+01	2.74E-03	1.27E-02	7.49E-03
3.82E+01	3.18E-03	1.31E-02	6.44E-03
3.82E+01	3.91E-03	1.32E-02	5.15E-03
3.82E+01	4.94E-03	1.30E-02	3.86E-03
3.82E+01	5.99E-03	1.24E-02	2.75E-03
3.82E+01	7.01E-03	1.16E-02	1.94E-03
3.83E+01	7.88E-03	1.06E-02	1.32E-03
3.83E+01	8.34E-03	9.86E-03	5.99E-04
3.83E+01	8.37E-03	9.50E-03	-2.54E-04
3.83E+01	8.05E-03	9.56E-03	-1.14E-03
3.83E+01	7.40E-03	9.91E-03	-2.14E-03
3.83E+01	6.51E-03	1.06E-02	-3.02E-03
3.83E+01	5.55E-03	1.12E-02	-3.32E-03

3.83E+01	4.61E-03	1.16E-02	-2.80E-03
3.83E+01	3.71E-03	1.17E-02	-1.76E-03
3.83E+01	2.87E-03	1.18E-02	-5.04E-04
3.83E+01	2.20E-03	1.15E-02	9.26E-04
3.83E+01	1.75E-03	1.12E-02	2.03E-03
3.83E+01	1.49E-03	1.09E-02	2.12E-03
3.83E+01	1.36E-03	1.05E-02	1.27E-03
3.83E+01	1.55E-03	1.04E-02	9.69E-05
3.83E+01	2.19E-03	1.05E-02	-1.01E-03
3.83E+01	3.01E-03	1.06E-02	-2.04E-03
3.83E+01	3.81E-03	1.07E-02	-2.92E-03
3.83E+01	4.66E-03	1.07E-02	-3.66E-03
3.83E+01	5.64E-03	1.09E-02	-4.03E-03
3.84E+01	6.50E-03	1.15E-02	-4.05E-03
3.84E+01	7.09E-03	1.20E-02	-4.52E-03
3.84E+01	7.28E-03	1.28E-02	-5.79E-03
3.84E+01	7.07E-03	1.37E-02	-7.64E-03
3.84E+01	6.64E-03	1.47E-02	-9.36E-03
3.84E+01	6.03E-03	1.55E-02	-1.03E-02
3.84E+01	5.34E-03	1.60E-02	-1.04E-02
3.84E+01	4.51E-03	1.60E-02	-9.70E-03
3.84E+01	3.67E-03	1.54E-02	-8.53E-03
3.84E+01	2.87E-03	1.44E-02	-7.33E-03
3.84E+01	1.94E-03	1.31E-02	-6.35E-03
3.84E+01	9.47E-04	1.17E-02	-5.78E-03
3.84E+01	2.42E-05	1.05E-02	-5.13E-03
3.84E+01	-8.05E-04	9.58E-03	-3.47E-03
3.84E+01	-1.56E-03	8.87E-03	-7.65E-04
3.84E+01	-2.37E-03	8.26E-03	2.03E-03
3.84E+01	-3.22E-03	7.53E-03	4.04E-03
3.84E+01	-4.11E-03	6.71E-03	4.99E-03
3.84E+01	-5.04E-03	5.80E-03	4.99E-03
3.84E+01	-5.93E-03	4.84E-03	4.36E-03
3.85E+01	-6.67E-03	4.12E-03	3.48E-03
3.85E+01	-7.21E-03	3.62E-03	2.79E-03
3.85E+01	-7.64E-03	3.27E-03	2.88E-03
3.85E+01	-7.95E-03	2.91E-03	3.88E-03
3.85E+01	-8.21E-03	2.31E-03	5.27E-03
3.85E+01	-8.64E-03	1.62E-03	6.48E-03
3.85E+01	-9.07E-03	1.00E-03	7.03E-03
3.85E+01	-9.16E-03	4.77E-04	6.89E-03
3.85E+01	-8.81E-03	1.19E-04	6.12E-03
3.85E+01	-8.13E-03	-7.23E-05	4.75E-03
3.85E+01	-7.01E-03	-1.45E-04	3.41E-03
3.85E+01	-5.39E-03	-7.74E-05	2.96E-03
3.85E+01	-3.51E-03	-1.98E-05	3.51E-03
3.85E+01	-1.61E-03	-1.37E-04	4.60E-03

3.85E+01	2.57E-04	-2.57E-04	5.67E-03
3.85E+01	2.06E-03	-3.21E-04	5.87E-03
3.85E+01	3.80E-03	-4.26E-04	4.71E-03
3.85E+01	5.49E-03	-4.39E-04	2.90E-03
3.85E+01	7.22E-03	-2.61E-04	1.51E-03
3.85E+01	9.11E-03	-5.04E-05	1.03E-03
3.86E+01	1.10E-02	1.07E-05	1.60E-03
3.86E+01	1.27E-02	-1.20E-04	2.78E-03
3.86E+01	1.41E-02	-4.40E-04	3.93E-03
3.86E+01	1.51E-02	-8.83E-04	4.75E-03
3.86E+01	1.56E-02	-1.37E-03	4.86E-03
3.86E+01	1.58E-02	-1.80E-03	4.17E-03
3.86E+01	1.57E-02	-1.99E-03	2.84E-03
3.86E+01	1.51E-02	-1.98E-03	8.04E-04
3.86E+01	1.42E-02	-1.97E-03	-1.70E-03
3.86E+01	1.29E-02	-2.12E-03	-3.70E-03
3.86E+01	1.16E-02	-2.51E-03	-4.52E-03
3.86E+01	1.02E-02	-3.40E-03	-4.49E-03
3.86E+01	8.84E-03	-5.02E-03	-4.33E-03
3.86E+01	7.69E-03	-7.02E-03	-4.12E-03
3.86E+01	7.06E-03	-9.05E-03	-3.56E-03
3.86E+01	7.15E-03	-1.09E-02	-2.43E-03
3.86E+01	7.91E-03	-1.26E-02	-7.80E-04
3.86E+01	9.19E-03	-1.41E-02	7.58E-04
3.86E+01	1.07E-02	-1.56E-02	1.43E-03
3.86E+01	1.21E-02	-1.72E-02	1.06E-03
3.87E+01	1.33E-02	-1.90E-02	-6.29E-06
3.87E+01	1.43E-02	-2.09E-02	-1.19E-03
3.87E+01	1.51E-02	-2.29E-02	-1.66E-03
3.87E+01	1.58E-02	-2.49E-02	-9.86E-04
3.87E+01	1.62E-02	-2.70E-02	5.08E-04
3.87E+01	1.63E-02	-2.91E-02	2.35E-03
3.87E+01	1.63E-02	-3.11E-02	4.13E-03
3.87E+01	1.62E-02	-3.27E-02	5.38E-03
3.87E+01	1.61E-02	-3.40E-02	5.76E-03
3.87E+01	1.60E-02	-3.48E-02	5.40E-03
3.87E+01	1.60E-02	-3.53E-02	4.78E-03
3.87E+01	1.62E-02	-3.53E-02	4.20E-03
3.87E+01	1.67E-02	-3.50E-02	3.77E-03
3.87E+01	1.72E-02	-3.45E-02	3.35E-03
3.87E+01	1.76E-02	-3.40E-02	2.70E-03
3.87E+01	1.79E-02	-3.35E-02	1.73E-03
3.87E+01	1.80E-02	-3.30E-02	4.52E-05
3.87E+01	1.80E-02	-3.21E-02	-2.50E-03
3.87E+01	1.80E-02	-3.07E-02	-5.26E-03
3.87E+01	1.79E-02	-2.86E-02	-7.54E-03
3.88E+01	1.77E-02	-2.60E-02	-8.89E-03

3.88E+01	1.75E-02	-2.30E-02	-9.44E-03
3.88E+01	1.71E-02	-1.99E-02	-9.53E-03
3.88E+01	1.67E-02	-1.68E-02	-9.13E-03
3.88E+01	1.63E-02	-1.40E-02	-8.14E-03
3.88E+01	1.59E-02	-1.13E-02	-6.82E-03
3.88E+01	1.56E-02	-8.83E-03	-5.65E-03
3.88E+01	1.53E-02	-6.61E-03	-4.86E-03
3.88E+01	1.51E-02	-4.45E-03	-4.59E-03
3.88E+01	1.47E-02	-2.59E-03	-4.81E-03
3.88E+01	1.42E-02	-1.15E-03	-5.33E-03
3.88E+01	1.36E-02	-1.07E-04	-5.78E-03
3.88E+01	1.31E-02	3.70E-04	-5.14E-03
3.88E+01	1.27E-02	2.93E-04	-2.97E-03
3.88E+01	1.24E-02	-5.90E-04	-1.73E-04
3.88E+01	1.23E-02	-2.32E-03	2.35E-03
3.88E+01	1.24E-02	-4.51E-03	4.41E-03
3.88E+01	1.27E-02	-6.83E-03	6.13E-03
3.88E+01	1.30E-02	-9.03E-03	7.22E-03
3.88E+01	1.32E-02	-1.12E-02	7.33E-03
3.89E+01	1.33E-02	-1.31E-02	6.92E-03
3.89E+01	1.32E-02	-1.48E-02	6.64E-03
3.89E+01	1.29E-02	-1.65E-02	6.83E-03
3.89E+01	1.25E-02	-1.82E-02	7.08E-03
3.89E+01	1.19E-02	-1.99E-02	6.78E-03
3.89E+01	1.12E-02	-2.14E-02	5.65E-03
3.89E+01	1.04E-02	-2.23E-02	3.65E-03
3.89E+01	9.79E-03	-2.25E-02	1.21E-03
3.89E+01	9.33E-03	-2.20E-02	-1.22E-03
3.89E+01	9.14E-03	-2.05E-02	-3.31E-03
3.89E+01	9.01E-03	-1.86E-02	-4.71E-03
3.89E+01	8.80E-03	-1.67E-02	-5.25E-03
3.89E+01	8.57E-03	-1.53E-02	-5.14E-03
3.89E+01	8.28E-03	-1.46E-02	-5.06E-03
3.89E+01	7.94E-03	-1.46E-02	-5.62E-03
3.89E+01	7.66E-03	-1.53E-02	-6.68E-03
3.89E+01	7.66E-03	-1.63E-02	-7.44E-03
3.89E+01	7.97E-03	-1.72E-02	-7.19E-03
3.89E+01	8.20E-03	-1.79E-02	-6.36E-03
3.89E+01	8.14E-03	-1.86E-02	-5.84E-03
3.90E+01	7.85E-03	-1.90E-02	-5.51E-03
3.90E+01	7.28E-03	-1.93E-02	-4.59E-03
3.90E+01	6.42E-03	-1.95E-02	-2.83E-03
3.90E+01	5.39E-03	-1.97E-02	-8.25E-04
3.90E+01	4.17E-03	-1.98E-02	8.24E-04
3.90E+01	2.74E-03	-1.98E-02	1.92E-03
3.90E+01	1.06E-03	-1.98E-02	2.51E-03
3.90E+01	-9.29E-04	-1.96E-02	2.84E-03

3.90E+01	-3.23E-03	-1.89E-02	3.30E-03
3.90E+01	-5.79E-03	-1.76E-02	4.09E-03
3.90E+01	-8.50E-03	-1.58E-02	4.76E-03
3.90E+01	-1.13E-02	-1.40E-02	4.92E-03
3.90E+01	-1.40E-02	-1.22E-02	4.49E-03
3.90E+01	-1.63E-02	-1.05E-02	3.42E-03
3.90E+01	-1.80E-02	-8.94E-03	2.31E-03
3.90E+01	-1.91E-02	-7.24E-03	1.75E-03
3.90E+01	-1.96E-02	-5.66E-03	1.41E-03
3.90E+01	-1.95E-02	-4.42E-03	8.75E-04
3.90E+01	-1.88E-02	-3.54E-03	1.97E-04
3.90E+01	-1.76E-02	-2.95E-03	-1.40E-04
3.91E+01	-1.56E-02	-2.60E-03	2.67E-04
3.91E+01	-1.30E-02	-2.63E-03	8.32E-04
3.91E+01	-1.01E-02	-3.06E-03	1.09E-03
3.91E+01	-7.06E-03	-3.63E-03	1.18E-03
3.91E+01	-3.94E-03	-4.26E-03	9.06E-04
3.91E+01	-9.11E-04	-5.04E-03	4.96E-04
3.91E+01	1.62E-03	-6.01E-03	1.69E-04
3.91E+01	3.41E-03	-7.25E-03	-5.48E-04
3.91E+01	4.33E-03	-8.73E-03	-1.84E-03
3.91E+01	4.40E-03	-1.04E-02	-3.69E-03
3.91E+01	3.78E-03	-1.21E-02	-5.77E-03
3.91E+01	2.67E-03	-1.39E-02	-7.44E-03
3.91E+01	1.33E-03	-1.54E-02	-8.41E-03
3.91E+01	-1.26E-04	-1.67E-02	-8.43E-03
3.91E+01	-1.70E-03	-1.76E-02	-7.68E-03
3.91E+01	-3.20E-03	-1.81E-02	-6.83E-03
3.91E+01	-4.61E-03	-1.79E-02	-6.29E-03
3.91E+01	-5.79E-03	-1.70E-02	-6.36E-03
3.91E+01	-6.64E-03	-1.51E-02	-6.58E-03
3.91E+01	-7.09E-03	-1.23E-02	-6.68E-03
3.92E+01	-7.13E-03	-9.04E-03	-7.31E-03
3.92E+01	-6.86E-03	-5.40E-03	-8.08E-03
3.92E+01	-6.13E-03	-2.47E-03	-8.03E-03
3.92E+01	-5.41E-03	2.77E-05	-7.52E-03
3.92E+01	-4.63E-03	2.11E-03	-7.56E-03
3.92E+01	-3.35E-03	3.26E-03	-7.85E-03
3.92E+01	-1.77E-03	4.20E-03	-8.08E-03
3.92E+01	-2.46E-05	4.57E-03	-8.69E-03
3.92E+01	1.88E-03	4.32E-03	-9.18E-03
3.92E+01	3.99E-03	3.77E-03	-9.12E-03
3.92E+01	5.80E-03	2.98E-03	-8.75E-03
3.92E+01	7.34E-03	2.04E-03	-8.13E-03
3.92E+01	8.61E-03	9.80E-04	-7.21E-03
3.92E+01	9.22E-03	-1.42E-04	-6.75E-03
3.92E+01	9.38E-03	-1.40E-03	-7.86E-03

3.92E+01	8.85E-03	-2.79E-03	-1.02E-02
3.92E+01	7.67E-03	-4.10E-03	-1.19E-02
3.92E+01	6.02E-03	-4.98E-03	-1.21E-02
3.92E+01	3.93E-03	-6.00E-03	-1.17E-02
3.92E+01	1.64E-03	-7.25E-03	-1.12E-02
3.93E+01	-7.61E-04	-8.24E-03	-1.03E-02
3.93E+01	-2.99E-03	-9.01E-03	-8.82E-03
3.93E+01	-4.57E-03	-9.47E-03	-6.94E-03
3.93E+01	-5.50E-03	-9.32E-03	-4.95E-03
3.93E+01	-5.86E-03	-8.51E-03	-3.67E-03
3.93E+01	-5.30E-03	-7.20E-03	-3.26E-03
3.93E+01	-4.14E-03	-5.33E-03	-2.96E-03
3.93E+01	-2.52E-03	-3.16E-03	-2.11E-03
3.93E+01	-4.71E-04	-1.19E-03	-6.78E-04
3.93E+01	1.41E-03	4.22E-04	9.94E-04
3.93E+01	2.93E-03	1.63E-03	2.30E-03
3.93E+01	4.08E-03	2.25E-03	2.95E-03
3.93E+01	4.85E-03	2.51E-03	3.31E-03
3.93E+01	5.20E-03	2.93E-03	3.24E-03
3.93E+01	5.02E-03	3.36E-03	1.83E-03
3.93E+01	4.31E-03	3.82E-03	-5.01E-04
3.93E+01	3.23E-03	4.61E-03	-2.64E-03
3.93E+01	1.71E-03	5.30E-03	-4.29E-03
3.93E+01	-2.63E-04	5.70E-03	-5.41E-03
3.93E+01	-2.40E-03	5.98E-03	-6.19E-03
3.94E+01	-4.66E-03	6.09E-03	-6.96E-03
3.94E+01	-6.99E-03	6.10E-03	-8.21E-03
3.94E+01	-9.28E-03	6.16E-03	-1.03E-02
3.94E+01	-1.13E-02	6.44E-03	-1.28E-02
3.94E+01	-1.28E-02	7.11E-03	-1.48E-02
3.94E+01	-1.38E-02	7.96E-03	-1.56E-02
3.94E+01	-1.45E-02	8.88E-03	-1.56E-02
3.94E+01	-1.47E-02	9.76E-03	-1.51E-02
3.94E+01	-1.47E-02	1.04E-02	-1.34E-02
3.94E+01	-1.41E-02	1.08E-02	-1.08E-02
3.94E+01	-1.31E-02	1.06E-02	-8.31E-03
3.94E+01	-1.18E-02	9.61E-03	-6.16E-03
3.94E+01	-1.03E-02	7.89E-03	-3.55E-03
3.94E+01	-8.71E-03	5.28E-03	-6.00E-04
3.94E+01	-7.30E-03	1.78E-03	2.07E-03
3.94E+01	-6.23E-03	-1.99E-03	4.27E-03
3.94E+01	-5.47E-03	-5.33E-03	5.98E-03
3.94E+01	-4.96E-03	-7.94E-03	7.23E-03
3.94E+01	-4.57E-03	-9.76E-03	8.00E-03
3.94E+01	-4.02E-03	-1.08E-02	8.29E-03
3.95E+01	-3.06E-03	-1.11E-02	7.78E-03
3.95E+01	-1.60E-03	-1.09E-02	6.03E-03

3.95E+01	3.34E-04	-9.70E-03	3.90E-03
3.95E+01	2.74E-03	-7.88E-03	2.21E-03
3.95E+01	5.55E-03	-5.84E-03	6.36E-04
3.95E+01	8.42E-03	-3.69E-03	-8.92E-04
3.95E+01	1.11E-02	-1.93E-03	-2.39E-03
3.95E+01	1.34E-02	-5.37E-04	-3.47E-03
3.95E+01	1.54E-02	4.18E-04	-3.77E-03
3.95E+01	1.71E-02	1.19E-03	-3.96E-03
3.95E+01	1.85E-02	1.90E-03	-4.53E-03
3.95E+01	1.93E-02	1.93E-03	-4.98E-03
3.95E+01	1.96E-02	2.15E-03	-4.64E-03
3.95E+01	1.95E-02	2.12E-03	-4.14E-03
3.95E+01	1.92E-02	1.92E-03	-3.53E-03
3.95E+01	1.90E-02	2.52E-03	-2.01E-03
3.95E+01	1.88E-02	2.93E-03	-2.04E-04
3.95E+01	1.90E-02	3.65E-03	1.60E-03
3.95E+01	1.94E-02	4.56E-03	3.38E-03
3.95E+01	1.99E-02	4.86E-03	4.39E-03
3.96E+01	2.06E-02	4.71E-03	5.05E-03
3.96E+01	2.15E-02	4.17E-03	6.13E-03
3.96E+01	2.24E-02	3.46E-03	7.26E-03
3.96E+01	2.32E-02	1.94E-03	7.76E-03
3.96E+01	2.36E-02	-1.12E-04	7.25E-03
3.96E+01	2.34E-02	-2.34E-03	5.65E-03
3.96E+01	2.27E-02	-5.18E-03	3.66E-03
3.96E+01	2.14E-02	-7.90E-03	2.03E-03
3.96E+01	1.96E-02	-1.03E-02	8.00E-04
3.96E+01	1.77E-02	-1.26E-02	2.58E-04
3.96E+01	1.58E-02	-1.43E-02	8.24E-04
3.96E+01	1.42E-02	-1.53E-02	1.98E-03
3.96E+01	1.30E-02	-1.58E-02	2.93E-03
3.96E+01	1.23E-02	-1.56E-02	3.48E-03
3.96E+01	1.21E-02	-1.46E-02	3.54E-03
3.96E+01	1.24E-02	-1.32E-02	3.07E-03
3.96E+01	1.28E-02	-1.15E-02	1.72E-03
3.96E+01	1.33E-02	-9.51E-03	-5.63E-04
3.96E+01	1.37E-02	-7.41E-03	-2.69E-03
3.96E+01	1.35E-02	-5.23E-03	-3.74E-03
3.97E+01	1.27E-02	-3.03E-03	-3.33E-03
3.97E+01	1.13E-02	-6.40E-04	-1.65E-03
3.97E+01	9.59E-03	2.13E-03	5.75E-04
3.97E+01	7.78E-03	5.34E-03	2.87E-03
3.97E+01	6.19E-03	8.95E-03	5.20E-03
3.97E+01	5.18E-03	1.28E-02	7.67E-03
3.97E+01	4.73E-03	1.66E-02	1.01E-02
3.97E+01	4.68E-03	2.02E-02	1.20E-02
3.97E+01	4.88E-03	2.32E-02	1.32E-02

3.97E+01	5.13E-03	2.58E-02	1.40E-02
3.97E+01	5.46E-03	2.80E-02	1.49E-02
3.97E+01	5.67E-03	2.98E-02	1.54E-02
3.97E+01	5.52E-03	3.12E-02	1.52E-02
3.97E+01	5.07E-03	3.25E-02	1.43E-02
3.97E+01	4.42E-03	3.36E-02	1.31E-02
3.97E+01	3.62E-03	3.43E-02	1.17E-02
3.97E+01	2.58E-03	3.46E-02	1.03E-02
3.97E+01	1.44E-03	3.42E-02	8.64E-03
3.97E+01	1.97E-04	3.25E-02	6.16E-03
3.97E+01	-1.35E-03	2.95E-02	2.76E-03
3.98E+01	-2.93E-03	2.55E-02	-1.09E-03
3.98E+01	-4.24E-03	2.13E-02	-4.57E-03
3.98E+01	-5.17E-03	1.78E-02	-7.38E-03
3.98E+01	-5.71E-03	1.53E-02	-9.85E-03
3.98E+01	-5.92E-03	1.36E-02	-1.20E-02
3.98E+01	-6.00E-03	1.29E-02	-1.31E-02
3.98E+01	-6.16E-03	1.27E-02	-1.28E-02
3.98E+01	-6.60E-03	1.28E-02	-1.12E-02
3.98E+01	-7.42E-03	1.30E-02	-8.94E-03
3.98E+01	-8.60E-03	1.33E-02	-6.68E-03
3.98E+01	-1.00E-02	1.33E-02	-4.42E-03
3.98E+01	-1.15E-02	1.31E-02	-1.88E-03
3.98E+01	-1.28E-02	1.26E-02	1.08E-03
3.98E+01	-1.41E-02	1.19E-02	4.82E-03
3.98E+01	-1.51E-02	1.12E-02	9.28E-03
3.98E+01	-1.59E-02	1.04E-02	1.41E-02
3.98E+01	-1.67E-02	9.63E-03	1.89E-02
3.98E+01	-1.75E-02	8.81E-03	2.25E-02
3.98E+01	-1.81E-02	7.89E-03	2.45E-02
3.98E+01	-1.87E-02	6.87E-03	2.51E-02
3.99E+01	-1.93E-02	5.73E-03	2.51E-02
3.99E+01	-1.96E-02	4.23E-03	2.48E-02
3.99E+01	-2.00E-02	2.22E-03	2.44E-02
3.99E+01	-2.04E-02	-3.15E-05	2.41E-02
3.99E+01	-2.10E-02	-2.40E-03	2.42E-02
3.99E+01	-2.16E-02	-4.92E-03	2.42E-02
3.99E+01	-2.22E-02	-7.46E-03	2.36E-02
3.99E+01	-2.25E-02	-9.98E-03	2.23E-02
3.99E+01	-2.25E-02	-1.23E-02	1.99E-02
3.99E+01	-2.18E-02	-1.42E-02	1.66E-02
3.99E+01	-2.05E-02	-1.58E-02	1.27E-02
3.99E+01	-1.84E-02	-1.66E-02	9.31E-03
3.99E+01	-1.54E-02	-1.68E-02	7.10E-03
3.99E+01	-1.17E-02	-1.65E-02	5.72E-03
3.99E+01	-7.49E-03	-1.57E-02	4.90E-03
3.99E+01	-3.29E-03	-1.46E-02	4.40E-03

3.99E+01	5.51E-04	-1.34E-02	3.81E-03
3.99E+01	3.83E-03	-1.21E-02	2.99E-03
3.99E+01	6.47E-03	-1.06E-02	1.84E-03
3.99E+01	8.52E-03	-9.06E-03	5.43E-04
4.00E+01	9.87E-03	-7.72E-03	-3.67E-04
4.00E+01	1.06E-02	-6.44E-03	-6.94E-04
4.00E+01	1.09E-02	-5.23E-03	-6.88E-04
4.00E+01	1.10E-02	-4.42E-03	-5.98E-04
4.00E+01	1.12E-02	-3.99E-03	-2.93E-04
4.00E+01	1.15E-02	-3.93E-03	1.82E-04
4.00E+01	1.21E-02	-4.08E-03	4.37E-04
4.00E+01	1.32E-02	-4.31E-03	6.59E-04
4.00E+01	1.47E-02	-4.38E-03	9.49E-04
4.00E+01	1.66E-02	-4.55E-03	6.64E-04
4.00E+01	1.85E-02	-5.08E-03	-4.07E-04
4.00E+01	2.02E-02	-5.72E-03	-1.70E-03
4.00E+01	2.15E-02	-6.61E-03	-2.96E-03
4.00E+01	2.21E-02	-7.73E-03	-4.41E-03
4.00E+01	2.20E-02	-9.03E-03	-5.95E-03
4.00E+01	2.12E-02	-1.03E-02	-6.71E-03
4.00E+01	1.95E-02	-1.11E-02	-6.52E-03
4.00E+01	1.69E-02	-1.16E-02	-6.26E-03
4.00E+01	1.38E-02	-1.15E-02	-5.75E-03
4.00E+01	1.00E-02	-1.08E-02	-4.20E-03
4.01E+01	5.84E-03	-9.20E-03	-1.74E-03
4.01E+01	1.58E-03	-7.03E-03	1.15E-03
4.01E+01	-2.57E-03	-4.64E-03	4.37E-03
4.01E+01	-6.32E-03	-2.11E-03	7.94E-03
4.01E+01	-9.52E-03	2.75E-04	1.15E-02
4.01E+01	-1.20E-02	2.53E-03	1.48E-02
4.01E+01	-1.40E-02	4.09E-03	1.77E-02
4.01E+01	-1.54E-02	4.64E-03	1.97E-02
4.01E+01	-1.61E-02	4.55E-03	2.08E-02
4.01E+01	-1.62E-02	3.71E-03	2.10E-02
4.01E+01	-1.60E-02	2.31E-03	2.04E-02
4.01E+01	-1.53E-02	6.29E-04	1.93E-02
4.01E+01	-1.47E-02	-1.19E-03	1.73E-02
4.01E+01	-1.41E-02	-2.96E-03	1.39E-02
4.01E+01	-1.36E-02	-4.67E-03	8.84E-03
4.01E+01	-1.33E-02	-6.08E-03	2.51E-03
4.01E+01	-1.32E-02	-7.07E-03	-4.20E-03
4.01E+01	-1.33E-02	-7.46E-03	-9.90E-03
4.01E+01	-1.35E-02	-7.02E-03	-1.35E-02
4.01E+01	-1.39E-02	-6.40E-03	-1.53E-02
4.02E+01	-1.45E-02	-5.76E-03	-1.60E-02
4.02E+01	-1.53E-02	-5.06E-03	-1.59E-02
4.02E+01	-1.63E-02	-4.53E-03	-1.55E-02

4.02E+01	-1.73E-02	-3.89E-03	-1.49E-02
4.02E+01	-1.82E-02	-2.99E-03	-1.40E-02
4.02E+01	-1.90E-02	-1.57E-03	-1.28E-02
4.02E+01	-1.95E-02	1.48E-04	-1.14E-02
4.02E+01	-2.00E-02	1.87E-03	-8.87E-03
4.02E+01	-2.03E-02	3.69E-03	-5.11E-03
4.02E+01	-2.06E-02	5.11E-03	-8.72E-04
4.02E+01	-2.13E-02	5.84E-03	2.77E-03
4.02E+01	-2.23E-02	5.84E-03	5.22E-03
4.02E+01	-2.32E-02	5.24E-03	7.02E-03
4.02E+01	-2.40E-02	4.44E-03	8.63E-03
4.02E+01	-2.46E-02	3.50E-03	9.80E-03
4.02E+01	-2.48E-02	2.54E-03	1.01E-02
4.02E+01	-2.47E-02	1.72E-03	9.21E-03
4.02E+01	-2.41E-02	1.10E-03	7.56E-03
4.02E+01	-2.30E-02	5.85E-04	5.71E-03
4.02E+01	-2.16E-02	6.05E-05	3.65E-03
4.03E+01	-1.98E-02	-6.44E-04	9.36E-04
4.03E+01	-1.79E-02	-1.64E-03	-2.41E-03
4.03E+01	-1.60E-02	-2.78E-03	-5.64E-03
4.03E+01	-1.40E-02	-3.93E-03	-7.63E-03
4.03E+01	-1.23E-02	-4.83E-03	-8.07E-03
4.03E+01	-1.12E-02	-5.58E-03	-7.86E-03
4.03E+01	-1.09E-02	-6.22E-03	-7.47E-03
4.03E+01	-1.11E-02	-6.48E-03	-7.07E-03
4.03E+01	-1.19E-02	-6.44E-03	-6.86E-03
4.03E+01	-1.30E-02	-6.10E-03	-6.52E-03
4.03E+01	-1.41E-02	-5.52E-03	-6.07E-03
4.03E+01	-1.51E-02	-5.00E-03	-5.56E-03
4.03E+01	-1.56E-02	-4.65E-03	-4.87E-03
4.03E+01	-1.58E-02	-4.53E-03	-3.47E-03
4.03E+01	-1.55E-02	-4.40E-03	-6.48E-04
4.03E+01	-1.46E-02	-4.03E-03	2.96E-03
4.03E+01	-1.31E-02	-3.53E-03	6.57E-03
4.03E+01	-1.12E-02	-2.83E-03	9.77E-03
4.03E+01	-8.98E-03	-1.94E-03	1.17E-02
4.03E+01	-6.39E-03	-8.29E-04	1.22E-02
4.04E+01	-3.59E-03	5.04E-04	1.12E-02
4.04E+01	-7.69E-04	1.80E-03	8.87E-03
4.04E+01	2.11E-03	2.86E-03	5.55E-03
4.04E+01	4.81E-03	3.39E-03	1.60E-03
4.04E+01	7.22E-03	3.29E-03	-2.47E-03
4.04E+01	9.26E-03	2.72E-03	-6.49E-03
4.04E+01	1.09E-02	1.75E-03	-1.05E-02
4.04E+01	1.22E-02	6.97E-04	-1.40E-02
4.04E+01	1.35E-02	-3.06E-04	-1.69E-02
4.04E+01	1.45E-02	-1.39E-03	-1.98E-02

4.04E+01	1.54E-02	-2.47E-03	-2.24E-02
4.04E+01	1.62E-02	-3.56E-03	-2.40E-02
4.04E+01	1.72E-02	-4.82E-03	-2.38E-02
4.04E+01	1.78E-02	-6.28E-03	-2.22E-02
4.04E+01	1.79E-02	-7.91E-03	-1.98E-02
4.04E+01	1.74E-02	-9.45E-03	-1.72E-02
4.04E+01	1.63E-02	-1.05E-02	-1.46E-02
4.04E+01	1.44E-02	-1.11E-02	-1.21E-02
4.04E+01	1.19E-02	-1.13E-02	-9.34E-03
4.04E+01	9.13E-03	-1.10E-02	-6.32E-03
4.05E+01	6.24E-03	-1.05E-02	-3.18E-03
4.05E+01	3.40E-03	-1.01E-02	1.38E-04
4.05E+01	9.89E-04	-9.84E-03	3.89E-03
4.05E+01	-9.69E-04	-1.00E-02	7.85E-03
4.05E+01	-2.46E-03	-1.07E-02	1.14E-02
4.05E+01	-3.31E-03	-1.18E-02	1.37E-02
4.05E+01	-3.51E-03	-1.30E-02	1.45E-02
4.05E+01	-2.93E-03	-1.44E-02	1.41E-02
4.05E+01	-1.39E-03	-1.57E-02	1.27E-02
4.05E+01	1.04E-03	-1.67E-02	1.08E-02
4.05E+01	4.11E-03	-1.73E-02	8.71E-03
4.05E+01	7.57E-03	-1.77E-02	6.16E-03
4.05E+01	1.10E-02	-1.80E-02	2.98E-03
4.05E+01	1.40E-02	-1.84E-02	-4.85E-04
4.05E+01	1.66E-02	-1.89E-02	-3.68E-03
4.05E+01	1.86E-02	-1.93E-02	-6.45E-03
4.05E+01	2.00E-02	-1.96E-02	-9.24E-03
4.05E+01	2.04E-02	-1.98E-02	-1.23E-02
4.05E+01	2.01E-02	-1.93E-02	-1.51E-02
4.05E+01	1.89E-02	-1.84E-02	-1.70E-02
4.06E+01	1.66E-02	-1.71E-02	-1.77E-02
4.06E+01	1.34E-02	-1.55E-02	-1.70E-02
4.06E+01	9.44E-03	-1.39E-02	-1.49E-02
4.06E+01	5.54E-03	-1.22E-02	-1.17E-02
4.06E+01	2.33E-03	-1.09E-02	-7.80E-03
4.06E+01	-6.31E-05	-1.03E-02	-3.25E-03
4.06E+01	-1.67E-03	-1.03E-02	1.82E-03
4.06E+01	-2.59E-03	-1.08E-02	6.28E-03
4.06E+01	-3.08E-03	-1.19E-02	8.79E-03
4.06E+01	-3.27E-03	-1.33E-02	9.50E-03
4.06E+01	-3.09E-03	-1.47E-02	9.02E-03
4.06E+01	-2.62E-03	-1.63E-02	7.86E-03
4.06E+01	-1.90E-03	-1.77E-02	6.47E-03
4.06E+01	-1.10E-03	-1.91E-02	4.94E-03
4.06E+01	-2.60E-04	-2.01E-02	3.74E-03
4.06E+01	7.14E-04	-2.09E-02	3.33E-03
4.06E+01	1.64E-03	-2.13E-02	3.02E-03

4.06E+01	2.54E-03	-2.14E-02	2.29E-03
4.06E+01	3.40E-03	-2.11E-02	1.14E-03
4.06E+01	4.22E-03	-2.03E-02	-3.56E-04
4.07E+01	5.00E-03	-1.89E-02	-1.82E-03
4.07E+01	5.51E-03	-1.71E-02	-2.91E-03
4.07E+01	5.71E-03	-1.48E-02	-3.18E-03
4.07E+01	5.44E-03	-1.21E-02	-2.38E-03
4.07E+01	4.66E-03	-9.21E-03	-1.10E-03
4.07E+01	3.43E-03	-6.60E-03	3.13E-04
4.07E+01	1.89E-03	-4.16E-03	2.19E-03
4.07E+01	4.21E-04	-1.86E-03	4.66E-03
4.07E+01	-8.28E-04	4.01E-04	7.66E-03
4.07E+01	-1.85E-03	2.64E-03	1.09E-02
4.07E+01	-2.57E-03	4.47E-03	1.40E-02
4.07E+01	-3.00E-03	5.91E-03	1.67E-02
4.07E+01	-3.05E-03	6.83E-03	1.85E-02
4.07E+01	-2.81E-03	7.19E-03	1.89E-02
4.07E+01	-2.25E-03	7.16E-03	1.76E-02
4.07E+01	-1.20E-03	6.66E-03	1.51E-02
4.07E+01	2.29E-04	5.90E-03	1.19E-02
4.07E+01	2.02E-03	5.04E-03	8.95E-03
4.07E+01	3.85E-03	4.14E-03	6.79E-03
4.07E+01	5.51E-03	3.13E-03	5.26E-03
4.08E+01	7.10E-03	1.97E-03	3.98E-03
4.08E+01	8.48E-03	7.99E-04	3.01E-03
4.08E+01	9.78E-03	-5.09E-04	2.40E-03
4.08E+01	1.12E-02	-1.83E-03	2.10E-03
4.08E+01	1.26E-02	-2.99E-03	2.23E-03
4.08E+01	1.39E-02	-4.08E-03	2.74E-03
4.08E+01	1.50E-02	-5.11E-03	3.57E-03
4.08E+01	1.59E-02	-5.96E-03	4.52E-03
4.08E+01	1.62E-02	-6.69E-03	5.03E-03
4.08E+01	1.61E-02	-7.37E-03	5.06E-03
4.08E+01	1.54E-02	-7.62E-03	4.71E-03
4.08E+01	1.44E-02	-7.22E-03	3.95E-03
4.08E+01	1.29E-02	-6.04E-03	3.33E-03
4.08E+01	1.12E-02	-3.85E-03	3.46E-03
4.08E+01	9.52E-03	-1.09E-03	4.49E-03
4.08E+01	7.83E-03	1.68E-03	6.27E-03
4.08E+01	6.12E-03	4.05E-03	8.58E-03
4.08E+01	4.47E-03	5.73E-03	1.12E-02
4.08E+01	3.05E-03	6.60E-03	1.35E-02
4.08E+01	1.94E-03	6.75E-03	1.54E-02
4.09E+01	1.05E-03	6.43E-03	1.68E-02
4.09E+01	5.50E-04	5.83E-03	1.75E-02
4.09E+01	4.54E-04	5.13E-03	1.77E-02
4.09E+01	3.99E-04	4.30E-03	1.70E-02

4.09E+01	3.77E-04	3.35E-03	1.59E-02
4.09E+01	2.56E-04	2.34E-03	1.52E-02
4.09E+01	-2.19E-04	1.36E-03	1.50E-02
4.09E+01	-1.07E-03	4.81E-04	1.50E-02
4.09E+01	-2.39E-03	-4.46E-04	1.46E-02
4.09E+01	-4.15E-03	-1.37E-03	1.35E-02
4.09E+01	-6.18E-03	-2.07E-03	1.21E-02
4.09E+01	-8.27E-03	-2.53E-03	1.06E-02
4.09E+01	-1.03E-02	-2.73E-03	9.37E-03
4.09E+01	-1.23E-02	-2.61E-03	8.60E-03
4.09E+01	-1.42E-02	-2.15E-03	8.34E-03
4.09E+01	-1.57E-02	-1.48E-03	8.28E-03
4.09E+01	-1.68E-02	-7.73E-04	8.17E-03
4.09E+01	-1.75E-02	-1.40E-04	8.18E-03
4.09E+01	-1.78E-02	5.47E-04	8.53E-03
4.09E+01	-1.78E-02	1.23E-03	8.93E-03
4.10E+01	-1.76E-02	1.82E-03	9.21E-03
4.10E+01	-1.72E-02	2.48E-03	9.52E-03
4.10E+01	-1.67E-02	3.20E-03	1.01E-02
4.10E+01	-1.62E-02	4.06E-03	1.14E-02
4.10E+01	-1.59E-02	4.94E-03	1.27E-02
4.10E+01	-1.57E-02	5.54E-03	1.35E-02
4.10E+01	-1.57E-02	6.09E-03	1.37E-02
4.10E+01	-1.57E-02	6.63E-03	1.33E-02
4.10E+01	-1.55E-02	7.17E-03	1.32E-02
4.10E+01	-1.51E-02	7.93E-03	1.35E-02
4.10E+01	-1.45E-02	8.73E-03	1.36E-02
4.10E+01	-1.38E-02	9.40E-03	1.30E-02
4.10E+01	-1.30E-02	9.89E-03	1.13E-02
4.10E+01	-1.22E-02	1.01E-02	8.91E-03
4.10E+01	-1.12E-02	1.02E-02	6.52E-03
4.10E+01	-1.00E-02	1.04E-02	4.91E-03
4.10E+01	-8.54E-03	1.05E-02	4.67E-03
4.10E+01	-7.18E-03	1.05E-02	5.40E-03
4.10E+01	-6.13E-03	1.01E-02	6.22E-03
4.10E+01	-5.44E-03	9.51E-03	6.77E-03
4.11E+01	-5.11E-03	8.76E-03	7.11E-03
4.11E+01	-5.24E-03	8.08E-03	7.10E-03
4.11E+01	-5.94E-03	7.53E-03	6.53E-03
4.11E+01	-6.98E-03	7.42E-03	5.66E-03
4.11E+01	-8.16E-03	8.12E-03	4.80E-03
4.11E+01	-9.51E-03	9.34E-03	3.85E-03
4.11E+01	-1.09E-02	1.08E-02	2.98E-03
4.11E+01	-1.24E-02	1.23E-02	2.50E-03
4.11E+01	-1.39E-02	1.35E-02	1.91E-03
4.11E+01	-1.56E-02	1.41E-02	5.52E-04
4.11E+01	-1.72E-02	1.43E-02	-1.38E-03

4.11E+01	-1.84E-02	1.44E-02	-3.28E-03
4.11E+01	-1.90E-02	1.45E-02	-4.68E-03
4.11E+01	-1.91E-02	1.47E-02	-5.38E-03
4.11E+01	-1.86E-02	1.54E-02	-5.59E-03
4.11E+01	-1.74E-02	1.64E-02	-5.74E-03
4.11E+01	-1.56E-02	1.78E-02	-6.25E-03
4.11E+01	-1.32E-02	1.95E-02	-6.99E-03
4.11E+01	-1.06E-02	2.12E-02	-7.41E-03
4.11E+01	-8.03E-03	2.27E-02	-7.22E-03
4.12E+01	-5.89E-03	2.41E-02	-6.39E-03
4.12E+01	-4.50E-03	2.53E-02	-5.47E-03
4.12E+01	-4.00E-03	2.61E-02	-5.13E-03
4.12E+01	-4.53E-03	2.65E-02	-5.54E-03
4.12E+01	-5.95E-03	2.66E-02	-6.49E-03
4.12E+01	-8.00E-03	2.64E-02	-7.67E-03
4.12E+01	-1.04E-02	2.58E-02	-8.89E-03
4.12E+01	-1.27E-02	2.50E-02	-9.86E-03
4.12E+01	-1.47E-02	2.41E-02	-1.02E-02
4.12E+01	-1.62E-02	2.32E-02	-9.68E-03
4.12E+01	-1.71E-02	2.22E-02	-8.37E-03
4.12E+01	-1.77E-02	2.10E-02	-7.22E-03
4.12E+01	-1.80E-02	1.95E-02	-7.03E-03
4.12E+01	-1.82E-02	1.78E-02	-7.87E-03
4.12E+01	-1.83E-02	1.63E-02	-9.13E-03
4.12E+01	-1.81E-02	1.50E-02	-9.86E-03
4.12E+01	-1.77E-02	1.41E-02	-9.53E-03
4.12E+01	-1.71E-02	1.36E-02	-8.14E-03
4.12E+01	-1.64E-02	1.34E-02	-6.00E-03
4.12E+01	-1.56E-02	1.32E-02	-3.82E-03
4.13E+01	-1.48E-02	1.32E-02	-2.44E-03
4.13E+01	-1.40E-02	1.32E-02	-1.99E-03
4.13E+01	-1.32E-02	1.31E-02	-2.32E-03
4.13E+01	-1.24E-02	1.29E-02	-3.05E-03
4.13E+01	-1.15E-02	1.26E-02	-3.33E-03
4.13E+01	-1.08E-02	1.26E-02	-2.95E-03
4.13E+01	-1.04E-02	1.27E-02	-2.40E-03
4.13E+01	-1.02E-02	1.30E-02	-2.02E-03
4.13E+01	-1.01E-02	1.34E-02	-2.03E-03
4.13E+01	-1.02E-02	1.39E-02	-2.71E-03
4.13E+01	-1.04E-02	1.47E-02	-4.17E-03
4.13E+01	-1.05E-02	1.57E-02	-5.95E-03
4.13E+01	-1.05E-02	1.71E-02	-7.46E-03
4.13E+01	-1.04E-02	1.88E-02	-8.55E-03
4.13E+01	-1.02E-02	2.04E-02	-9.29E-03
4.13E+01	-1.02E-02	2.18E-02	-9.93E-03
4.13E+01	-1.02E-02	2.28E-02	-1.08E-02
4.13E+01	-1.03E-02	2.32E-02	-1.18E-02

4.13E+01	-1.04E-02	2.32E-02	-1.31E-02
4.13E+01	-1.07E-02	2.28E-02	-1.44E-02
4.14E+01	-1.11E-02	2.22E-02	-1.58E-02
4.14E+01	-1.15E-02	2.14E-02	-1.73E-02
4.14E+01	-1.20E-02	2.06E-02	-1.86E-02
4.14E+01	-1.24E-02	1.97E-02	-1.94E-02
4.14E+01	-1.28E-02	1.88E-02	-1.92E-02
4.14E+01	-1.27E-02	1.79E-02	-1.82E-02
4.14E+01	-1.23E-02	1.69E-02	-1.66E-02
4.14E+01	-1.15E-02	1.59E-02	-1.48E-02
4.14E+01	-1.03E-02	1.50E-02	-1.36E-02
4.14E+01	-8.89E-03	1.45E-02	-1.35E-02
4.14E+01	-7.45E-03	1.43E-02	-1.38E-02
4.14E+01	-5.96E-03	1.44E-02	-1.41E-02
4.14E+01	-4.50E-03	1.50E-02	-1.43E-02
4.14E+01	-3.24E-03	1.58E-02	-1.47E-02
4.14E+01	-2.25E-03	1.68E-02	-1.56E-02
4.14E+01	-1.43E-03	1.79E-02	-1.67E-02
4.14E+01	-6.60E-04	1.90E-02	-1.75E-02
4.14E+01	5.84E-05	2.03E-02	-1.79E-02
4.14E+01	7.86E-04	2.16E-02	-1.78E-02
4.14E+01	1.59E-03	2.32E-02	-1.75E-02
4.15E+01	2.43E-03	2.48E-02	-1.70E-02
4.15E+01	3.24E-03	2.64E-02	-1.63E-02
4.15E+01	3.80E-03	2.76E-02	-1.51E-02
4.15E+01	3.95E-03	2.83E-02	-1.38E-02
4.15E+01	3.69E-03	2.82E-02	-1.25E-02
4.15E+01	2.89E-03	2.72E-02	-1.18E-02
4.15E+01	1.56E-03	2.55E-02	-1.12E-02
4.15E+01	-8.37E-05	2.34E-02	-1.08E-02
4.15E+01	-1.89E-03	2.12E-02	-1.09E-02
4.15E+01	-3.69E-03	1.93E-02	-1.13E-02
4.15E+01	-5.32E-03	1.76E-02	-1.14E-02
4.15E+01	-6.66E-03	1.63E-02	-1.09E-02
4.15E+01	-7.78E-03	1.52E-02	-9.95E-03
4.15E+01	-8.63E-03	1.43E-02	-8.99E-03
4.15E+01	-9.14E-03	1.35E-02	-8.38E-03
4.15E+01	-9.43E-03	1.28E-02	-8.45E-03
4.15E+01	-9.42E-03	1.22E-02	-8.97E-03
4.15E+01	-8.91E-03	1.20E-02	-9.24E-03
4.15E+01	-7.93E-03	1.21E-02	-9.17E-03
4.15E+01	-6.71E-03	1.24E-02	-8.62E-03
4.16E+01	-5.49E-03	1.26E-02	-7.58E-03
4.16E+01	-4.45E-03	1.25E-02	-7.00E-03
4.16E+01	-3.79E-03	1.19E-02	-7.61E-03
4.16E+01	-3.48E-03	1.10E-02	-9.34E-03
4.16E+01	-3.51E-03	1.02E-02	-1.16E-02

4.16E+01	-3.85E-03	9.43E-03	-1.36E-02
4.16E+01	-4.44E-03	9.01E-03	-1.46E-02
4.16E+01	-5.24E-03	8.90E-03	-1.49E-02
4.16E+01	-6.07E-03	8.95E-03	-1.43E-02
4.16E+01	-6.96E-03	9.30E-03	-1.24E-02
4.16E+01	-7.89E-03	9.51E-03	-9.46E-03
4.16E+01	-8.73E-03	9.33E-03	-6.45E-03
4.16E+01	-9.53E-03	8.92E-03	-3.95E-03
4.16E+01	-1.01E-02	8.61E-03	-2.22E-03
4.16E+01	-1.04E-02	8.60E-03	-1.30E-03
4.16E+01	-1.04E-02	8.73E-03	-9.53E-04
4.16E+01	-1.03E-02	8.98E-03	-5.91E-04
4.16E+01	-1.01E-02	9.24E-03	4.41E-05
4.16E+01	-1.01E-02	9.30E-03	7.19E-04
4.16E+01	-1.03E-02	9.06E-03	1.28E-03
4.17E+01	-1.06E-02	8.47E-03	2.19E-03
4.17E+01	-1.07E-02	7.58E-03	3.41E-03
4.17E+01	-1.05E-02	6.47E-03	4.00E-03
4.17E+01	-1.00E-02	5.19E-03	3.44E-03
4.17E+01	-9.30E-03	3.94E-03	1.80E-03
4.17E+01	-8.07E-03	3.00E-03	-6.61E-04
4.17E+01	-6.22E-03	2.43E-03	-3.33E-03
4.17E+01	-3.81E-03	2.37E-03	-5.50E-03
4.17E+01	-1.09E-03	2.61E-03	-7.36E-03
4.17E+01	1.81E-03	2.86E-03	-9.25E-03
4.17E+01	4.79E-03	3.23E-03	-1.09E-02
4.17E+01	7.33E-03	3.54E-03	-1.24E-02
4.17E+01	9.30E-03	3.84E-03	-1.39E-02
4.17E+01	1.08E-02	4.28E-03	-1.53E-02
4.17E+01	1.18E-02	4.98E-03	-1.62E-02
4.17E+01	1.24E-02	6.05E-03	-1.64E-02
4.17E+01	1.29E-02	7.27E-03	-1.60E-02
4.17E+01	1.35E-02	8.65E-03	-1.52E-02
4.17E+01	1.43E-02	9.86E-03	-1.38E-02
4.17E+01	1.54E-02	1.07E-02	-1.18E-02
4.18E+01	1.69E-02	1.12E-02	-9.59E-03
4.18E+01	1.85E-02	1.12E-02	-7.30E-03
4.18E+01	2.02E-02	1.13E-02	-4.97E-03
4.18E+01	2.19E-02	1.15E-02	-3.01E-03
4.18E+01	2.33E-02	1.18E-02	-1.40E-03
4.18E+01	2.43E-02	1.23E-02	2.27E-04
4.18E+01	2.46E-02	1.28E-02	1.79E-03
4.18E+01	2.44E-02	1.34E-02	3.17E-03
4.18E+01	2.36E-02	1.37E-02	4.45E-03
4.18E+01	2.24E-02	1.38E-02	5.28E-03
4.18E+01	2.09E-02	1.34E-02	5.00E-03
4.18E+01	1.95E-02	1.25E-02	3.72E-03

4.18E+01	1.80E-02	1.11E-02	2.04E-03
4.18E+01	1.66E-02	9.09E-03	2.04E-04
4.18E+01	1.53E-02	6.50E-03	-1.66E-03
4.18E+01	1.41E-02	3.64E-03	-3.33E-03
4.18E+01	1.29E-02	3.92E-04	-4.69E-03
4.18E+01	1.18E-02	-2.90E-03	-5.93E-03
4.18E+01	1.08E-02	-6.01E-03	-7.19E-03
4.18E+01	1.02E-02	-9.13E-03	-8.17E-03
4.19E+01	9.85E-03	-1.19E-02	-8.55E-03
4.19E+01	9.82E-03	-1.43E-02	-8.17E-03
4.19E+01	1.01E-02	-1.65E-02	-6.82E-03
4.19E+01	1.03E-02	-1.85E-02	-4.67E-03
4.19E+01	1.03E-02	-2.00E-02	-2.41E-03
4.19E+01	9.87E-03	-2.10E-02	-2.84E-04
4.19E+01	9.01E-03	-2.13E-02	1.57E-03
4.19E+01	7.72E-03	-2.06E-02	2.81E-03
4.19E+01	6.13E-03	-1.87E-02	3.54E-03
4.19E+01	4.44E-03	-1.54E-02	3.84E-03
4.19E+01	2.92E-03	-1.11E-02	3.95E-03
4.19E+01	1.61E-03	-6.99E-03	4.06E-03
4.19E+01	6.98E-04	-3.82E-03	3.92E-03
4.19E+01	1.08E-04	-1.66E-03	3.06E-03
4.19E+01	-3.20E-04	-1.38E-04	1.46E-03
4.19E+01	-2.31E-05	7.39E-04	4.88E-05
4.19E+01	9.38E-04	1.39E-03	-8.56E-04
4.19E+01	2.31E-03	2.02E-03	-1.72E-03
4.19E+01	4.23E-03	2.11E-03	-2.32E-03
4.19E+01	6.61E-03	2.06E-03	-2.13E-03
4.20E+01	9.29E-03	2.04E-03	-1.36E-03
4.20E+01	1.19E-02	1.47E-03	-6.19E-04
4.20E+01	1.43E-02	6.07E-04	2.65E-04
4.20E+01	1.63E-02	-3.23E-04	1.62E-03
4.20E+01	1.75E-02	-1.20E-03	3.01E-03
4.20E+01	1.83E-02	-1.97E-03	4.42E-03
4.20E+01	1.84E-02	-2.83E-03	6.11E-03
4.20E+01	1.79E-02	-3.67E-03	7.79E-03
4.20E+01	1.72E-02	-4.61E-03	8.87E-03
4.20E+01	1.60E-02	-5.56E-03	9.05E-03
4.20E+01	1.45E-02	-6.17E-03	8.44E-03
4.20E+01	1.29E-02	-6.45E-03	7.26E-03
4.20E+01	1.16E-02	-6.30E-03	6.42E-03
4.20E+01	1.06E-02	-5.77E-03	6.53E-03
4.20E+01	9.62E-03	-5.01E-03	6.20E-03
4.20E+01	9.22E-03	-4.16E-03	5.25E-03
4.20E+01	9.22E-03	-3.54E-03	4.53E-03
4.20E+01	9.23E-03	-3.38E-03	3.29E-03
4.20E+01	9.47E-03	-3.19E-03	2.11E-03

4.20E+01	9.75E-03	-2.84E-03	1.30E-03
4.21E+01	9.92E-03	-2.43E-03	3.01E-04
4.21E+01	1.01E-02	-1.52E-03	-4.04E-04
4.21E+01	1.01E-02	-5.05E-04	-1.22E-03
4.21E+01	1.00E-02	7.26E-04	-1.85E-03
4.21E+01	9.88E-03	2.34E-03	-2.27E-03
4.21E+01	9.50E-03	3.83E-03	-3.21E-03
4.21E+01	9.08E-03	5.71E-03	-3.85E-03
4.21E+01	8.89E-03	7.79E-03	-3.83E-03
4.21E+01	8.91E-03	9.62E-03	-3.21E-03
4.21E+01	8.93E-03	1.13E-02	-2.31E-03
4.21E+01	9.03E-03	1.25E-02	-1.42E-03
4.21E+01	9.04E-03	1.31E-02	-2.02E-05
4.21E+01	8.79E-03	1.28E-02	1.65E-03
4.21E+01	8.37E-03	1.21E-02	3.21E-03
4.21E+01	7.78E-03	1.10E-02	4.61E-03
4.21E+01	7.03E-03	9.84E-03	5.58E-03
4.21E+01	6.23E-03	8.87E-03	5.87E-03
4.21E+01	5.52E-03	8.11E-03	5.60E-03
4.21E+01	4.95E-03	7.73E-03	5.33E-03
4.21E+01	4.51E-03	7.69E-03	5.38E-03
4.22E+01	4.17E-03	7.80E-03	5.94E-03
4.22E+01	3.95E-03	7.88E-03	6.95E-03
4.22E+01	3.86E-03	7.63E-03	7.77E-03
4.22E+01	3.83E-03	7.06E-03	7.90E-03
4.22E+01	3.95E-03	6.38E-03	7.00E-03
4.22E+01	4.32E-03	5.73E-03	5.03E-03
4.22E+01	4.77E-03	5.13E-03	2.39E-03
4.22E+01	5.11E-03	4.63E-03	-6.35E-04
4.22E+01	5.32E-03	4.16E-03	-3.73E-03
4.22E+01	5.33E-03	3.32E-03	-6.60E-03
4.22E+01	5.02E-03	1.93E-03	-8.79E-03
4.22E+01	4.52E-03	-4.94E-05	-9.78E-03
4.22E+01	4.03E-03	-2.45E-03	-9.50E-03
4.22E+01	3.50E-03	-4.98E-03	-8.28E-03
4.22E+01	3.02E-03	-7.37E-03	-6.62E-03
4.22E+01	2.83E-03	-9.31E-03	-4.81E-03
4.22E+01	3.10E-03	-1.08E-02	-2.91E-03
4.22E+01	3.73E-03	-1.18E-02	-9.45E-04
4.22E+01	4.46E-03	-1.26E-02	1.17E-03
4.22E+01	5.29E-03	-1.31E-02	3.26E-03
4.23E+01	6.18E-03	-1.39E-02	5.03E-03
4.23E+01	6.90E-03	-1.48E-02	6.70E-03
4.23E+01	7.44E-03	-1.58E-02	8.40E-03
4.23E+01	7.79E-03	-1.71E-02	9.76E-03
4.23E+01	7.80E-03	-1.85E-02	1.08E-02
4.23E+01	7.52E-03	-1.97E-02	1.16E-02

4.23E+01	6.96E-03	-2.07E-02	1.20E-02
4.23E+01	5.97E-03	-2.15E-02	1.17E-02
4.23E+01	4.66E-03	-2.18E-02	1.10E-02
4.23E+01	3.21E-03	-2.14E-02	1.00E-02
4.23E+01	1.74E-03	-2.05E-02	9.03E-03
4.23E+01	3.38E-04	-1.93E-02	7.99E-03
4.23E+01	-9.43E-04	-1.80E-02	6.75E-03
4.23E+01	-2.01E-03	-1.67E-02	5.32E-03
4.23E+01	-2.83E-03	-1.54E-02	4.00E-03
4.23E+01	-3.38E-03	-1.42E-02	3.20E-03
4.23E+01	-3.53E-03	-1.34E-02	3.24E-03
4.23E+01	-3.46E-03	-1.27E-02	3.90E-03
4.23E+01	-3.41E-03	-1.25E-02	4.25E-03
4.23E+01	-3.46E-03	-1.26E-02	3.94E-03
4.24E+01	-3.64E-03	-1.26E-02	3.63E-03
4.24E+01	-3.83E-03	-1.24E-02	3.57E-03
4.24E+01	-4.01E-03	-1.24E-02	3.51E-03
4.24E+01	-4.41E-03	-1.23E-02	3.44E-03
4.24E+01	-5.00E-03	-1.21E-02	3.51E-03
4.24E+01	-5.63E-03	-1.19E-02	4.02E-03
4.24E+01	-6.29E-03	-1.17E-02	5.19E-03
4.24E+01	-6.92E-03	-1.17E-02	6.78E-03
4.24E+01	-7.43E-03	-1.19E-02	8.32E-03
4.24E+01	-7.72E-03	-1.21E-02	9.61E-03
4.24E+01	-7.61E-03	-1.24E-02	1.04E-02
4.24E+01	-7.00E-03	-1.27E-02	1.08E-02
4.24E+01	-5.85E-03	-1.29E-02	1.10E-02
4.24E+01	-4.17E-03	-1.28E-02	1.13E-02
4.24E+01	-2.09E-03	-1.25E-02	1.17E-02
4.24E+01	-1.53E-05	-1.22E-02	1.20E-02
4.24E+01	1.73E-03	-1.21E-02	1.19E-02
4.24E+01	3.20E-03	-1.21E-02	1.13E-02
4.24E+01	4.43E-03	-1.24E-02	1.07E-02
4.24E+01	5.33E-03	-1.28E-02	1.04E-02
4.25E+01	5.99E-03	-1.32E-02	1.05E-02
4.25E+01	6.48E-03	-1.36E-02	1.06E-02
4.25E+01	6.88E-03	-1.42E-02	1.05E-02
4.25E+01	7.26E-03	-1.47E-02	1.02E-02
4.25E+01	7.66E-03	-1.50E-02	9.83E-03
4.25E+01	8.00E-03	-1.55E-02	9.00E-03
4.25E+01	8.29E-03	-1.61E-02	7.36E-03
4.25E+01	8.66E-03	-1.64E-02	5.16E-03
4.25E+01	9.08E-03	-1.65E-02	3.35E-03
4.25E+01	9.52E-03	-1.64E-02	2.78E-03
4.25E+01	9.91E-03	-1.62E-02	3.63E-03
4.25E+01	1.01E-02	-1.58E-02	5.20E-03
4.25E+01	9.97E-03	-1.55E-02	6.40E-03

4.25E+01	9.33E-03	-1.51E-02	6.69E-03
4.25E+01	8.32E-03	-1.45E-02	6.37E-03
4.25E+01	7.13E-03	-1.36E-02	6.05E-03
4.25E+01	5.94E-03	-1.23E-02	5.92E-03
4.25E+01	4.66E-03	-1.07E-02	5.90E-03
4.25E+01	3.54E-03	-8.89E-03	6.13E-03
4.25E+01	2.83E-03	-7.16E-03	6.78E-03
4.26E+01	2.51E-03	-5.54E-03	7.80E-03
4.26E+01	2.65E-03	-3.97E-03	8.63E-03
4.26E+01	3.08E-03	-2.48E-03	8.65E-03
4.26E+01	3.76E-03	-9.67E-04	7.57E-03
4.26E+01	4.67E-03	4.96E-04	5.64E-03
4.26E+01	5.61E-03	1.84E-03	3.68E-03
4.26E+01	6.70E-03	3.07E-03	2.35E-03
4.26E+01	7.90E-03	4.04E-03	1.77E-03
4.26E+01	8.90E-03	4.57E-03	1.72E-03
4.26E+01	9.65E-03	4.61E-03	1.76E-03
4.26E+01	1.02E-02	4.50E-03	1.77E-03
4.26E+01	1.07E-02	4.36E-03	1.74E-03
4.26E+01	1.13E-02	4.22E-03	1.79E-03
4.26E+01	1.21E-02	4.13E-03	2.42E-03
4.26E+01	1.31E-02	3.92E-03	3.79E-03
4.26E+01	1.43E-02	3.63E-03	5.38E-03
4.26E+01	1.57E-02	3.09E-03	6.64E-03
4.26E+01	1.73E-02	2.59E-03	7.48E-03
4.26E+01	1.93E-02	2.37E-03	8.14E-03
4.26E+01	2.14E-02	2.15E-03	8.69E-03
4.27E+01	2.37E-02	2.18E-03	9.04E-03
4.27E+01	2.58E-02	2.44E-03	9.00E-03
4.27E+01	2.77E-02	2.78E-03	8.33E-03
4.27E+01	2.92E-02	3.16E-03	7.27E-03
4.27E+01	3.02E-02	3.40E-03	5.90E-03
4.27E+01	3.05E-02	3.29E-03	4.30E-03
4.27E+01	3.03E-02	2.66E-03	2.86E-03
4.27E+01	2.95E-02	1.68E-03	1.50E-03
4.27E+01	2.85E-02	4.01E-04	1.83E-04
4.27E+01	2.73E-02	-1.21E-03	-9.76E-04
4.27E+01	2.60E-02	-3.17E-03	-1.76E-03
4.27E+01	2.49E-02	-5.23E-03	-1.78E-03
4.27E+01	2.40E-02	-7.09E-03	-1.00E-03
4.27E+01	2.33E-02	-8.90E-03	1.56E-04
4.27E+01	2.28E-02	-1.05E-02	1.17E-03
4.27E+01	2.24E-02	-1.18E-02	1.96E-03
4.27E+01	2.22E-02	-1.27E-02	3.11E-03
4.27E+01	2.23E-02	-1.31E-02	4.82E-03
4.27E+01	2.23E-02	-1.33E-02	6.81E-03
4.27E+01	2.21E-02	-1.31E-02	8.86E-03

4.28E+01	2.18E-02	-1.30E-02	1.08E-02
4.28E+01	2.12E-02	-1.30E-02	1.29E-02
4.28E+01	2.01E-02	-1.32E-02	1.47E-02
4.28E+01	1.84E-02	-1.37E-02	1.54E-02
4.28E+01	1.62E-02	-1.45E-02	1.47E-02
4.28E+01	1.37E-02	-1.56E-02	1.31E-02
4.28E+01	1.09E-02	-1.64E-02	1.14E-02
4.28E+01	8.22E-03	-1.71E-02	9.71E-03
4.28E+01	5.62E-03	-1.74E-02	7.90E-03
4.28E+01	3.01E-03	-1.69E-02	6.38E-03
4.28E+01	9.08E-04	-1.66E-02	5.30E-03
4.28E+01	-1.39E-03	-1.56E-02	4.76E-03
4.28E+01	-3.64E-03	-1.42E-02	4.03E-03
4.28E+01	-5.29E-03	-1.32E-02	2.97E-03
4.28E+01	-6.68E-03	-1.15E-02	1.73E-03
4.28E+01	-7.44E-03	-9.88E-03	1.93E-04
4.28E+01	-7.44E-03	-8.46E-03	-5.61E-04
4.28E+01	-6.88E-03	-6.86E-03	-9.99E-05
4.28E+01	-5.77E-03	-5.57E-03	7.24E-04
4.28E+01	-4.25E-03	-4.92E-03	1.78E-03
4.29E+01	-2.60E-03	-4.91E-03	2.84E-03
4.29E+01	-7.39E-04	-5.29E-03	3.10E-03
4.29E+01	1.10E-03	-5.74E-03	2.42E-03
4.29E+01	2.83E-03	-6.19E-03	1.14E-03
4.29E+01	4.49E-03	-6.64E-03	-2.67E-04
4.29E+01	5.80E-03	-6.88E-03	-1.39E-03
4.29E+01	6.95E-03	-7.08E-03	-2.03E-03
4.29E+01	7.72E-03	-7.48E-03	-1.91E-03
4.29E+01	8.11E-03	-8.05E-03	-1.29E-03
4.29E+01	8.27E-03	-8.75E-03	-6.40E-04
4.29E+01	8.16E-03	-9.65E-03	-1.53E-04
4.29E+01	7.91E-03	-1.06E-02	1.13E-04
4.29E+01	7.30E-03	-1.13E-02	-1.59E-04
4.29E+01	6.75E-03	-1.17E-02	-1.14E-03
4.29E+01	6.32E-03	-1.16E-02	-2.04E-03
4.29E+01	5.82E-03	-1.09E-02	-2.29E-03
4.29E+01	5.67E-03	-9.84E-03	-1.83E-03
4.29E+01	5.63E-03	-8.71E-03	-4.60E-04
4.29E+01	5.54E-03	-7.74E-03	1.33E-03
4.29E+01	5.41E-03	-7.15E-03	2.75E-03
4.30E+01	5.06E-03	-7.17E-03	3.62E-03
4.30E+01	4.65E-03	-7.48E-03	3.98E-03
4.30E+01	4.14E-03	-7.89E-03	3.55E-03
4.30E+01	3.67E-03	-8.49E-03	2.53E-03
4.30E+01	3.22E-03	-8.86E-03	1.80E-03
4.30E+01	2.61E-03	-8.89E-03	1.90E-03
4.30E+01	2.02E-03	-8.73E-03	2.74E-03

4.30E+01	1.28E-03	-8.45E-03	3.73E-03
4.30E+01	4.45E-04	-8.08E-03	4.27E-03
4.30E+01	-1.61E-04	-7.52E-03	4.50E-03
4.30E+01	-5.49E-04	-6.83E-03	4.31E-03
4.30E+01	-7.46E-04	-6.22E-03	2.99E-03
4.30E+01	-8.39E-04	-5.76E-03	5.34E-04
4.30E+01	-7.46E-04	-5.34E-03	-2.48E-03
4.30E+01	-4.55E-04	-5.04E-03	-5.18E-03
4.30E+01	-2.81E-04	-4.94E-03	-7.09E-03
4.30E+01	-3.51E-04	-4.86E-03	-8.73E-03
4.30E+01	-7.21E-04	-4.70E-03	-1.07E-02
4.30E+01	-1.40E-03	-4.24E-03	-1.32E-02
4.30E+01	-2.14E-03	-3.30E-03	-1.59E-02
4.31E+01	-2.65E-03	-1.88E-03	-1.77E-02
4.31E+01	-2.74E-03	9.94E-05	-1.87E-02
4.31E+01	-2.44E-03	2.35E-03	-1.87E-02
4.31E+01	-2.03E-03	4.45E-03	-1.83E-02
4.31E+01	-1.67E-03	6.19E-03	-1.78E-02
4.31E+01	-1.34E-03	7.38E-03	-1.74E-02
4.31E+01	-1.06E-03	8.04E-03	-1.71E-02
4.31E+01	-1.02E-03	8.19E-03	-1.63E-02
4.31E+01	-1.33E-03	7.93E-03	-1.54E-02
4.31E+01	-2.05E-03	7.22E-03	-1.46E-02
4.31E+01	-3.24E-03	6.25E-03	-1.36E-02
4.31E+01	-4.62E-03	5.55E-03	-1.25E-02
4.31E+01	-6.17E-03	5.04E-03	-1.15E-02
4.31E+01	-7.75E-03	4.69E-03	-1.06E-02
4.31E+01	-9.18E-03	4.58E-03	-1.02E-02
4.31E+01	-1.04E-02	4.49E-03	-1.03E-02
4.31E+01	-1.11E-02	4.33E-03	-1.10E-02
4.31E+01	-1.12E-02	4.03E-03	-1.15E-02
4.31E+01	-1.07E-02	3.64E-03	-1.14E-02
4.31E+01	-9.75E-03	3.11E-03	-1.06E-02
4.32E+01	-8.81E-03	2.41E-03	-9.78E-03
4.32E+01	-7.87E-03	1.67E-03	-9.52E-03
4.32E+01	-7.00E-03	9.39E-04	-9.64E-03
4.32E+01	-6.26E-03	3.44E-04	-9.81E-03
4.32E+01	-5.87E-03	-1.48E-04	-9.87E-03
4.32E+01	-5.99E-03	-7.09E-04	-9.71E-03
4.32E+01	-6.51E-03	-1.49E-03	-9.25E-03
4.32E+01	-7.46E-03	-2.52E-03	-8.00E-03
4.32E+01	-8.82E-03	-3.65E-03	-5.81E-03
4.32E+01	-1.06E-02	-4.97E-03	-3.30E-03
4.32E+01	-1.27E-02	-6.44E-03	-1.34E-03
4.32E+01	-1.50E-02	-7.88E-03	-2.19E-04
4.32E+01	-1.75E-02	-9.26E-03	1.70E-04
4.32E+01	-2.00E-02	-1.06E-02	-3.30E-05

4.32E+01	-2.24E-02	-1.19E-02	-4.94E-04
4.32E+01	-2.44E-02	-1.30E-02	-9.90E-04
4.32E+01	-2.60E-02	-1.39E-02	-1.65E-03
4.32E+01	-2.72E-02	-1.47E-02	-2.62E-03
4.32E+01	-2.80E-02	-1.55E-02	-4.10E-03
4.32E+01	-2.83E-02	-1.63E-02	-6.43E-03
4.33E+01	-2.79E-02	-1.72E-02	-9.17E-03
4.33E+01	-2.68E-02	-1.77E-02	-1.17E-02
4.33E+01	-2.52E-02	-1.79E-02	-1.40E-02
4.33E+01	-2.28E-02	-1.78E-02	-1.59E-02
4.33E+01	-2.00E-02	-1.73E-02	-1.76E-02
4.33E+01	-1.70E-02	-1.66E-02	-1.92E-02
4.33E+01	-1.40E-02	-1.59E-02	-2.03E-02
4.33E+01	-1.11E-02	-1.52E-02	-2.06E-02
4.33E+01	-8.75E-03	-1.44E-02	-2.00E-02
4.33E+01	-7.07E-03	-1.36E-02	-1.90E-02
4.33E+01	-6.10E-03	-1.31E-02	-1.75E-02
4.33E+01	-5.73E-03	-1.24E-02	-1.51E-02
4.33E+01	-5.95E-03	-1.17E-02	-1.20E-02
4.33E+01	-6.79E-03	-1.12E-02	-9.02E-03
4.33E+01	-8.15E-03	-1.07E-02	-6.68E-03
4.33E+01	-9.71E-03	-9.89E-03	-4.98E-03
4.33E+01	-1.11E-02	-8.68E-03	-3.51E-03
4.33E+01	-1.24E-02	-7.07E-03	-1.90E-03
4.33E+01	-1.34E-02	-5.34E-03	-2.12E-04
4.33E+01	-1.40E-02	-3.77E-03	1.33E-03
4.34E+01	-1.43E-02	-2.53E-03	2.06E-03
4.34E+01	-1.44E-02	-1.78E-03	1.25E-03
4.34E+01	-1.42E-02	-1.52E-03	-1.02E-03
4.34E+01	-1.35E-02	-1.55E-03	-3.89E-03
4.34E+01	-1.21E-02	-1.62E-03	-6.52E-03
4.34E+01	-9.99E-03	-1.64E-03	-8.45E-03
4.34E+01	-7.38E-03	-1.62E-03	-9.47E-03
4.34E+01	-4.40E-03	-1.65E-03	-9.70E-03
4.34E+01	-1.38E-03	-1.85E-03	-9.67E-03
4.34E+01	1.45E-03	-2.19E-03	-9.95E-03
4.34E+01	3.98E-03	-2.55E-03	-1.06E-02
4.34E+01	6.26E-03	-2.82E-03	-1.18E-02
4.34E+01	8.36E-03	-2.96E-03	-1.33E-02
4.34E+01	1.03E-02	-3.07E-03	-1.49E-02
4.34E+01	1.20E-02	-3.22E-03	-1.57E-02
4.34E+01	1.36E-02	-3.42E-03	-1.55E-02
4.34E+01	1.46E-02	-3.78E-03	-1.47E-02
4.34E+01	1.51E-02	-4.27E-03	-1.41E-02
4.34E+01	1.51E-02	-4.73E-03	-1.40E-02
4.34E+01	1.48E-02	-4.99E-03	-1.41E-02
4.35E+01	1.44E-02	-4.88E-03	-1.40E-02

4.35E+01	1.37E-02	-4.53E-03	-1.31E-02
4.35E+01	1.26E-02	-4.18E-03	-1.19E-02
4.35E+01	1.10E-02	-3.96E-03	-1.05E-02
4.35E+01	8.70E-03	-4.04E-03	-9.25E-03
4.35E+01	5.70E-03	-4.49E-03	-8.86E-03
4.35E+01	2.45E-03	-5.05E-03	-9.09E-03
4.35E+01	-6.10E-04	-5.40E-03	-9.29E-03
4.35E+01	-3.04E-03	-5.45E-03	-9.34E-03
4.35E+01	-4.56E-03	-5.17E-03	-8.74E-03
4.35E+01	-5.33E-03	-4.62E-03	-7.43E-03
4.35E+01	-5.63E-03	-4.10E-03	-6.10E-03
4.35E+01	-5.64E-03	-3.81E-03	-5.42E-03
4.35E+01	-5.48E-03	-3.75E-03	-5.83E-03
4.35E+01	-5.24E-03	-3.83E-03	-7.06E-03
4.35E+01	-4.80E-03	-3.97E-03	-8.43E-03
4.35E+01	-3.90E-03	-3.96E-03	-9.48E-03
4.35E+01	-2.64E-03	-3.79E-03	-9.71E-03
4.35E+01	-1.34E-03	-3.64E-03	-8.85E-03
4.35E+01	-1.23E-04	-3.60E-03	-7.19E-03
4.36E+01	1.01E-03	-3.84E-03	-5.14E-03
4.36E+01	1.85E-03	-4.46E-03	-2.98E-03
4.36E+01	2.38E-03	-5.28E-03	-1.12E-03
4.36E+01	2.73E-03	-6.06E-03	1.45E-04
4.36E+01	2.84E-03	-6.70E-03	5.70E-04
4.36E+01	2.81E-03	-7.06E-03	2.28E-04
4.36E+01	2.70E-03	-7.16E-03	-2.34E-04
4.36E+01	2.46E-03	-7.18E-03	-2.66E-04
4.36E+01	2.05E-03	-7.23E-03	7.63E-07
4.36E+01	1.42E-03	-7.50E-03	1.59E-04
4.36E+01	7.20E-04	-7.87E-03	2.58E-04
4.36E+01	9.35E-05	-8.05E-03	6.84E-04
4.36E+01	-3.63E-04	-8.01E-03	1.68E-03
4.36E+01	-5.02E-04	-7.50E-03	3.40E-03
4.36E+01	-2.74E-04	-6.38E-03	5.82E-03
4.36E+01	1.82E-04	-4.93E-03	8.44E-03
4.36E+01	6.24E-04	-3.36E-03	1.03E-02
4.36E+01	9.70E-04	-2.02E-03	1.04E-02
4.36E+01	1.21E-03	-1.12E-03	9.09E-03
4.36E+01	1.30E-03	-4.64E-04	7.26E-03
4.37E+01	1.27E-03	-1.17E-04	5.38E-03
4.37E+01	1.21E-03	2.31E-05	3.50E-03
4.37E+01	1.12E-03	1.90E-04	1.97E-03
4.37E+01	9.26E-04	3.29E-04	1.02E-03
4.37E+01	6.46E-04	3.58E-04	6.28E-04
4.37E+01	3.34E-04	1.23E-04	8.95E-04
4.37E+01	6.68E-06	-4.66E-04	1.60E-03
4.37E+01	-3.58E-04	-1.44E-03	2.34E-03

4.37E+01	-7.48E-04	-2.72E-03	3.00E-03
4.37E+01	-1.13E-03	-4.03E-03	3.34E-03
4.37E+01	-1.51E-03	-5.30E-03	3.41E-03
4.37E+01	-1.97E-03	-6.44E-03	3.58E-03
4.37E+01	-2.89E-03	-7.37E-03	3.71E-03
4.37E+01	-4.51E-03	-8.15E-03	3.59E-03
4.37E+01	-6.76E-03	-8.63E-03	3.17E-03
4.37E+01	-9.47E-03	-8.63E-03	2.67E-03
4.37E+01	-1.23E-02	-8.10E-03	2.46E-03
4.37E+01	-1.51E-02	-7.18E-03	2.63E-03
4.37E+01	-1.77E-02	-6.13E-03	3.45E-03
4.37E+01	-1.99E-02	-5.14E-03	5.02E-03
4.38E+01	-2.18E-02	-4.40E-03	6.75E-03
4.38E+01	-2.31E-02	-4.05E-03	7.95E-03
4.38E+01	-2.38E-02	-4.02E-03	8.36E-03
4.38E+01	-2.41E-02	-4.22E-03	7.70E-03
4.38E+01	-2.38E-02	-4.57E-03	6.08E-03
4.38E+01	-2.30E-02	-4.93E-03	4.21E-03
4.38E+01	-2.18E-02	-5.25E-03	2.48E-03
4.38E+01	-2.04E-02	-5.51E-03	1.12E-03
4.38E+01	-1.88E-02	-5.52E-03	8.08E-04
4.38E+01	-1.73E-02	-5.17E-03	1.74E-03
4.38E+01	-1.60E-02	-4.64E-03	3.35E-03
4.38E+01	-1.50E-02	-4.17E-03	4.86E-03
4.38E+01	-1.45E-02	-3.73E-03	6.00E-03
4.38E+01	-1.44E-02	-3.10E-03	6.69E-03
4.38E+01	-1.47E-02	-2.36E-03	6.61E-03
4.38E+01	-1.55E-02	-1.75E-03	6.11E-03
4.38E+01	-1.66E-02	-1.11E-03	5.62E-03
4.38E+01	-1.79E-02	-3.68E-04	5.18E-03
4.38E+01	-1.95E-02	4.35E-04	5.09E-03
4.38E+01	-2.12E-02	1.39E-03	5.65E-03
4.39E+01	-2.29E-02	2.47E-03	7.03E-03
4.39E+01	-2.46E-02	3.69E-03	8.81E-03
4.39E+01	-2.63E-02	5.00E-03	9.82E-03
4.39E+01	-2.80E-02	6.32E-03	9.61E-03
4.39E+01	-2.95E-02	7.56E-03	8.68E-03
4.39E+01	-3.09E-02	8.61E-03	7.68E-03
4.39E+01	-3.20E-02	9.63E-03	7.18E-03
4.39E+01	-3.28E-02	1.06E-02	7.10E-03
4.39E+01	-3.32E-02	1.11E-02	6.88E-03
4.39E+01	-3.34E-02	1.13E-02	6.45E-03
4.39E+01	-3.35E-02	1.12E-02	5.84E-03
4.39E+01	-3.31E-02	1.08E-02	5.13E-03
4.39E+01	-3.23E-02	1.03E-02	4.75E-03
4.39E+01	-3.13E-02	9.67E-03	4.28E-03
4.39E+01	-3.02E-02	8.72E-03	3.57E-03

4.39E+01	-2.88E-02	7.61E-03	3.89E-03
4.39E+01	-2.71E-02	6.42E-03	5.86E-03
4.39E+01	-2.55E-02	4.81E-03	8.78E-03
4.39E+01	-2.41E-02	2.90E-03	1.15E-02
4.39E+01	-2.28E-02	7.40E-04	1.33E-02
4.40E+01	-2.18E-02	-1.62E-03	1.43E-02
4.40E+01	-2.09E-02	-3.82E-03	1.43E-02
4.40E+01	-2.02E-02	-5.67E-03	1.38E-02
4.40E+01	-1.95E-02	-6.95E-03	1.33E-02
4.40E+01	-1.89E-02	-7.71E-03	1.28E-02
4.40E+01	-1.84E-02	-8.14E-03	1.25E-02
4.40E+01	-1.80E-02	-8.37E-03	1.22E-02
4.40E+01	-1.77E-02	-8.55E-03	1.17E-02
4.40E+01	-1.76E-02	-8.57E-03	1.07E-02
4.40E+01	-1.75E-02	-8.42E-03	9.11E-03
4.40E+01	-1.74E-02	-8.26E-03	7.23E-03
4.40E+01	-1.71E-02	-7.89E-03	5.48E-03
4.40E+01	-1.65E-02	-7.35E-03	3.91E-03
4.40E+01	-1.57E-02	-6.82E-03	2.61E-03
4.40E+01	-1.47E-02	-6.30E-03	2.15E-03
4.40E+01	-1.35E-02	-5.92E-03	2.64E-03
4.40E+01	-1.22E-02	-5.86E-03	3.75E-03
4.40E+01	-1.11E-02	-6.01E-03	5.44E-03
4.40E+01	-1.03E-02	-5.98E-03	7.13E-03
4.40E+01	-9.78E-03	-5.70E-03	8.18E-03
4.41E+01	-9.38E-03	-5.11E-03	9.04E-03
4.41E+01	-9.05E-03	-4.01E-03	1.03E-02
4.41E+01	-8.75E-03	-2.63E-03	1.14E-02
4.41E+01	-8.53E-03	-1.33E-03	1.20E-02
4.41E+01	-8.34E-03	-2.93E-04	1.23E-02
4.41E+01	-7.95E-03	4.65E-04	1.27E-02
4.41E+01	-7.38E-03	8.16E-04	1.31E-02
4.41E+01	-6.66E-03	8.10E-04	1.39E-02
4.41E+01	-5.68E-03	7.52E-04	1.45E-02
4.41E+01	-4.59E-03	6.35E-04	1.44E-02
4.41E+01	-3.64E-03	5.93E-04	1.38E-02
4.41E+01	-3.00E-03	7.85E-04	1.29E-02
4.41E+01	-2.65E-03	1.12E-03	1.18E-02
4.41E+01	-2.65E-03	1.79E-03	1.04E-02
4.41E+01	-3.15E-03	2.58E-03	8.22E-03
4.41E+01	-4.17E-03	3.23E-03	6.00E-03
4.41E+01	-5.47E-03	4.10E-03	4.47E-03
4.41E+01	-6.82E-03	5.14E-03	3.61E-03
4.41E+01	-8.20E-03	6.04E-03	3.23E-03
4.41E+01	-9.45E-03	6.81E-03	3.01E-03
4.42E+01	-1.05E-02	7.42E-03	2.91E-03
4.42E+01	-1.15E-02	7.82E-03	2.98E-03

4.42E+01	-1.21E-02	8.08E-03	3.17E-03
4.42E+01	-1.24E-02	8.39E-03	3.64E-03
4.42E+01	-1.22E-02	8.75E-03	4.26E-03
4.42E+01	-1.18E-02	9.04E-03	4.70E-03
4.42E+01	-1.13E-02	9.27E-03	4.82E-03
4.42E+01	-1.09E-02	9.42E-03	4.45E-03
4.42E+01	-1.06E-02	9.42E-03	3.55E-03
4.42E+01	-1.06E-02	9.37E-03	2.15E-03
4.42E+01	-1.09E-02	9.19E-03	3.58E-04
4.42E+01	-1.14E-02	8.92E-03	-1.39E-03
4.42E+01	-1.20E-02	8.81E-03	-2.46E-03
4.42E+01	-1.28E-02	8.98E-03	-2.58E-03
4.42E+01	-1.37E-02	9.44E-03	-1.90E-03
4.42E+01	-1.45E-02	1.01E-02	-6.24E-04
4.42E+01	-1.53E-02	1.10E-02	9.10E-04
4.42E+01	-1.61E-02	1.19E-02	2.04E-03
4.42E+01	-1.67E-02	1.29E-02	2.50E-03
4.42E+01	-1.71E-02	1.40E-02	2.69E-03
4.43E+01	-1.72E-02	1.52E-02	2.96E-03
4.43E+01	-1.71E-02	1.63E-02	3.31E-03
4.43E+01	-1.68E-02	1.71E-02	3.56E-03
4.43E+01	-1.64E-02	1.78E-02	3.66E-03
4.43E+01	-1.59E-02	1.83E-02	3.62E-03
4.43E+01	-1.50E-02	1.87E-02	3.57E-03
4.43E+01	-1.40E-02	1.90E-02	3.72E-03
4.43E+01	-1.27E-02	1.92E-02	3.81E-03
4.43E+01	-1.12E-02	1.94E-02	3.55E-03
4.43E+01	-9.73E-03	1.96E-02	3.03E-03
4.43E+01	-8.27E-03	2.00E-02	2.48E-03
4.43E+01	-6.98E-03	2.04E-02	2.01E-03
4.43E+01	-5.86E-03	2.06E-02	1.51E-03
4.43E+01	-4.89E-03	2.06E-02	1.10E-03
4.43E+01	-4.06E-03	2.04E-02	1.09E-03
4.43E+01	-3.24E-03	2.00E-02	1.68E-03
4.43E+01	-2.47E-03	1.96E-02	2.95E-03
4.43E+01	-1.78E-03	1.91E-02	4.64E-03
4.43E+01	-1.17E-03	1.88E-02	6.22E-03
4.43E+01	-7.61E-04	1.85E-02	7.43E-03
4.44E+01	-5.28E-04	1.84E-02	8.40E-03
4.44E+01	-4.42E-04	1.83E-02	9.05E-03
4.44E+01	-5.54E-04	1.81E-02	9.01E-03
4.44E+01	-8.78E-04	1.77E-02	8.04E-03
4.44E+01	-1.30E-03	1.71E-02	6.41E-03
4.44E+01	-1.67E-03	1.63E-02	4.61E-03
4.44E+01	-2.03E-03	1.54E-02	2.89E-03
4.44E+01	-2.42E-03	1.44E-02	1.45E-03
4.44E+01	-2.76E-03	1.33E-02	2.88E-04

4.44E+01	-3.03E-03	1.23E-02	-8.69E-04
4.44E+01	-3.22E-03	1.12E-02	-2.04E-03
4.44E+01	-3.35E-03	1.02E-02	-3.22E-03
4.44E+01	-3.39E-03	9.11E-03	-4.47E-03
4.44E+01	-3.19E-03	8.09E-03	-5.49E-03
4.44E+01	-2.66E-03	7.07E-03	-5.83E-03
4.44E+01	-1.77E-03	6.00E-03	-5.38E-03
4.44E+01	-6.19E-04	4.82E-03	-4.50E-03
4.44E+01	8.00E-04	3.54E-03	-3.69E-03
4.44E+01	2.47E-03	2.20E-03	-3.25E-03
4.44E+01	4.26E-03	7.48E-04	-3.46E-03
4.45E+01	6.12E-03	-7.99E-04	-4.51E-03
4.45E+01	7.98E-03	-2.24E-03	-5.92E-03
4.45E+01	9.79E-03	-3.40E-03	-7.19E-03
4.45E+01	1.15E-02	-4.29E-03	-8.18E-03
4.45E+01	1.30E-02	-4.96E-03	-8.51E-03
4.45E+01	1.43E-02	-5.42E-03	-7.88E-03
4.45E+01	1.54E-02	-5.75E-03	-6.57E-03
4.45E+01	1.62E-02	-5.90E-03	-5.14E-03
4.45E+01	1.68E-02	-5.76E-03	-3.88E-03
4.45E+01	1.73E-02	-5.20E-03	-2.66E-03
4.45E+01	1.77E-02	-4.16E-03	-1.42E-03
4.45E+01	1.80E-02	-2.63E-03	-1.94E-04
4.45E+01	1.81E-02	-7.14E-04	1.11E-03
4.45E+01	1.79E-02	1.41E-03	2.18E-03
4.45E+01	1.73E-02	3.53E-03	2.84E-03
4.45E+01	1.61E-02	5.42E-03	3.22E-03
4.45E+01	1.44E-02	7.08E-03	3.40E-03
4.45E+01	1.24E-02	8.47E-03	3.45E-03
4.45E+01	1.02E-02	9.67E-03	3.55E-03
4.45E+01	7.80E-03	1.08E-02	3.66E-03
4.46E+01	5.37E-03	1.16E-02	3.46E-03
4.46E+01	2.87E-03	1.21E-02	2.55E-03
4.46E+01	3.90E-04	1.22E-02	9.28E-04
4.46E+01	-1.99E-03	1.21E-02	-8.33E-04
4.46E+01	-4.15E-03	1.17E-02	-2.46E-03
4.46E+01	-6.09E-03	1.10E-02	-4.06E-03
4.46E+01	-7.70E-03	1.00E-02	-5.36E-03
4.46E+01	-8.82E-03	9.01E-03	-6.09E-03
4.46E+01	-9.52E-03	7.79E-03	-6.26E-03
4.46E+01	-9.78E-03	6.37E-03	-5.79E-03
4.46E+01	-9.58E-03	4.85E-03	-4.91E-03
4.46E+01	-8.84E-03	3.39E-03	-3.91E-03
4.46E+01	-7.56E-03	2.09E-03	-2.90E-03
4.46E+01	-5.91E-03	9.82E-04	-2.22E-03
4.46E+01	-3.97E-03	2.25E-04	-1.94E-03
4.46E+01	-1.95E-03	-1.21E-04	-1.79E-03

4.46E+01	-2.10E-06	-4.58E-05	-1.51E-03
4.46E+01	1.73E-03	3.36E-04	-8.04E-04
4.46E+01	3.14E-03	8.91E-04	3.02E-04
4.46E+01	4.23E-03	1.61E-03	1.60E-03
4.47E+01	4.92E-03	2.43E-03	2.97E-03
4.47E+01	5.25E-03	3.39E-03	4.35E-03
4.47E+01	5.45E-03	4.50E-03	5.59E-03
4.47E+01	5.64E-03	5.69E-03	6.38E-03
4.47E+01	5.86E-03	7.03E-03	6.31E-03
4.47E+01	6.06E-03	8.46E-03	5.18E-03
4.47E+01	6.30E-03	9.89E-03	3.24E-03
4.47E+01	6.86E-03	1.14E-02	1.24E-03
4.47E+01	7.77E-03	1.29E-02	-5.04E-04
4.47E+01	8.82E-03	1.40E-02	-2.30E-03
4.47E+01	9.77E-03	1.49E-02	-4.34E-03
4.47E+01	1.06E-02	1.53E-02	-6.47E-03
4.47E+01	1.14E-02	1.55E-02	-8.20E-03
4.47E+01	1.21E-02	1.54E-02	-8.80E-03
4.47E+01	1.29E-02	1.57E-02	-8.12E-03
4.47E+01	1.36E-02	1.63E-02	-6.93E-03
4.47E+01	1.43E-02	1.72E-02	-6.03E-03
4.47E+01	1.49E-02	1.82E-02	-5.71E-03
4.47E+01	1.56E-02	1.93E-02	-5.57E-03
4.47E+01	1.63E-02	2.01E-02	-5.20E-03
4.48E+01	1.71E-02	2.08E-02	-4.48E-03
4.48E+01	1.79E-02	2.14E-02	-3.30E-03
4.48E+01	1.84E-02	2.18E-02	-1.82E-03
4.48E+01	1.85E-02	2.21E-02	-9.44E-05
4.48E+01	1.80E-02	2.24E-02	1.79E-03
4.48E+01	1.71E-02	2.26E-02	3.34E-03
4.48E+01	1.59E-02	2.28E-02	4.14E-03
4.48E+01	1.46E-02	2.31E-02	3.90E-03
4.48E+01	1.33E-02	2.34E-02	2.65E-03
4.48E+01	1.23E-02	2.37E-02	9.48E-04
4.48E+01	1.15E-02	2.41E-02	-3.74E-04
4.48E+01	1.11E-02	2.45E-02	-1.16E-03
4.48E+01	1.09E-02	2.46E-02	-1.90E-03
4.48E+01	1.06E-02	2.43E-02	-3.00E-03
4.48E+01	1.04E-02	2.39E-02	-4.49E-03
4.48E+01	1.04E-02	2.35E-02	-6.05E-03
4.48E+01	1.06E-02	2.32E-02	-7.62E-03
4.48E+01	1.10E-02	2.31E-02	-8.94E-03
4.48E+01	1.15E-02	2.33E-02	-9.25E-03
4.48E+01	1.22E-02	2.35E-02	-8.38E-03
4.49E+01	1.28E-02	2.36E-02	-6.63E-03
4.49E+01	1.32E-02	2.37E-02	-4.51E-03
4.49E+01	1.36E-02	2.36E-02	-2.49E-03

4.49E+01	1.38E-02	2.34E-02	-3.61E-04
4.49E+01	1.39E-02	2.35E-02	1.19E-03
4.49E+01	1.40E-02	2.36E-02	1.38E-03
4.49E+01	1.42E-02	2.40E-02	8.07E-04
4.49E+01	1.45E-02	2.46E-02	1.41E-04
4.49E+01	1.50E-02	2.52E-02	-6.98E-05
4.49E+01	1.57E-02	2.57E-02	5.11E-04
4.49E+01	1.64E-02	2.58E-02	1.51E-03
4.49E+01	1.70E-02	2.55E-02	2.58E-03
4.49E+01	1.75E-02	2.49E-02	3.59E-03
4.49E+01	1.79E-02	2.41E-02	4.10E-03
4.49E+01	1.82E-02	2.34E-02	3.81E-03
4.49E+01	1.84E-02	2.28E-02	2.68E-03
4.49E+01	1.86E-02	2.27E-02	8.22E-04
4.49E+01	1.88E-02	2.28E-02	-1.36E-03
4.49E+01	1.89E-02	2.31E-02	-3.65E-03
4.49E+01	1.88E-02	2.35E-02	-5.82E-03
4.50E+01	1.85E-02	2.38E-02	-7.31E-03
4.50E+01	1.80E-02	2.40E-02	-7.77E-03
4.50E+01	1.73E-02	2.40E-02	-7.17E-03
4.50E+01	1.62E-02	2.39E-02	-5.83E-03
4.50E+01	1.49E-02	2.38E-02	-4.29E-03
4.50E+01	1.34E-02	2.37E-02	-2.72E-03
4.50E+01	1.18E-02	2.37E-02	-1.08E-03
4.50E+01	1.01E-02	2.39E-02	5.96E-04
4.50E+01	8.66E-03	2.40E-02	2.20E-03
4.50E+01	7.46E-03	2.39E-02	3.71E-03
4.50E+01	6.62E-03	2.37E-02	4.87E-03
4.50E+01	6.15E-03	2.32E-02	5.38E-03
4.50E+01	6.05E-03	2.23E-02	5.81E-03
4.50E+01	6.25E-03	2.13E-02	6.23E-03
4.50E+01	6.66E-03	2.02E-02	6.22E-03
4.50E+01	7.32E-03	1.90E-02	6.15E-03
4.50E+01	7.79E-03	1.77E-02	5.64E-03
4.50E+01	8.12E-03	1.68E-02	4.59E-03
4.50E+01	8.49E-03	1.62E-02	3.55E-03
4.50E+01	8.62E-03	1.57E-02	2.46E-03
4.51E+01	8.69E-03	1.55E-02	1.28E-03
4.51E+01	8.88E-03	1.55E-02	-4.92E-04
4.51E+01	9.16E-03	1.56E-02	-2.46E-03
4.51E+01	9.52E-03	1.58E-02	-4.32E-03
4.51E+01	9.98E-03	1.60E-02	-6.11E-03
4.51E+01	1.06E-02	1.65E-02	-7.03E-03
4.51E+01	1.13E-02	1.68E-02	-7.52E-03
4.51E+01	1.19E-02	1.68E-02	-7.66E-03
4.51E+01	1.22E-02	1.68E-02	-7.08E-03
4.51E+01	1.24E-02	1.65E-02	-5.97E-03

4.51E+01	1.26E-02	1.62E-02	-3.92E-03
4.51E+01	1.27E-02	1.57E-02	-1.39E-03
4.51E+01	1.30E-02	1.52E-02	1.11E-03
4.51E+01	1.34E-02	1.49E-02	3.69E-03
4.51E+01	1.37E-02	1.44E-02	5.81E-03
4.51E+01	1.41E-02	1.40E-02	7.26E-03
4.51E+01	1.46E-02	1.36E-02	8.11E-03
4.51E+01	1.51E-02	1.31E-02	8.59E-03
4.51E+01	1.56E-02	1.26E-02	8.64E-03
4.51E+01	1.59E-02	1.17E-02	7.77E-03
4.52E+01	1.60E-02	1.10E-02	5.99E-03
4.52E+01	1.58E-02	1.02E-02	3.62E-03
4.52E+01	1.53E-02	9.39E-03	1.05E-03
4.52E+01	1.45E-02	8.77E-03	-1.20E-03
4.52E+01	1.34E-02	8.18E-03	-2.69E-03
4.52E+01	1.19E-02	7.62E-03	-3.33E-03
4.52E+01	1.00E-02	7.02E-03	-3.58E-03
4.52E+01	7.99E-03	6.32E-03	-3.75E-03
4.52E+01	5.86E-03	5.50E-03	-3.96E-03
4.52E+01	3.87E-03	4.58E-03	-4.47E-03
4.52E+01	2.19E-03	3.58E-03	-5.31E-03
4.52E+01	9.52E-04	2.59E-03	-6.33E-03
4.52E+01	2.83E-04	1.74E-03	-7.24E-03
4.52E+01	1.69E-04	9.82E-04	-7.70E-03
4.52E+01	4.09E-04	4.46E-04	-7.22E-03
4.52E+01	8.77E-04	4.69E-05	-5.39E-03
4.52E+01	1.50E-03	-3.14E-04	-2.67E-03
4.52E+01	2.08E-03	-5.33E-04	-3.24E-05
4.52E+01	2.71E-03	-8.39E-04	1.66E-03
4.52E+01	3.38E-03	-1.02E-03	2.16E-03
4.53E+01	4.15E-03	-1.01E-03	2.05E-03
4.53E+01	5.07E-03	-1.12E-03	1.63E-03
4.53E+01	6.14E-03	-1.36E-03	1.01E-03
4.53E+01	7.55E-03	-1.81E-03	4.77E-04
4.53E+01	8.80E-03	-2.59E-03	6.79E-05
4.53E+01	9.97E-03	-3.63E-03	-5.53E-04
4.53E+01	1.14E-02	-4.73E-03	-1.31E-03
4.53E+01	1.28E-02	-5.56E-03	-1.96E-03
4.53E+01	1.41E-02	-5.87E-03	-2.90E-03
4.53E+01	1.53E-02	-5.62E-03	-4.34E-03
4.53E+01	1.64E-02	-4.61E-03	-5.99E-03
4.53E+01	1.76E-02	-3.00E-03	-7.33E-03
4.53E+01	1.83E-02	-1.23E-03	-7.94E-03
4.53E+01	1.89E-02	5.85E-04	-7.67E-03
4.53E+01	1.89E-02	2.14E-03	-6.35E-03
4.53E+01	1.88E-02	3.31E-03	-4.46E-03
4.53E+01	1.84E-02	3.99E-03	-2.44E-03

4.53E+01	1.76E-02	4.15E-03	-4.71E-04
4.53E+01	1.66E-02	4.12E-03	8.21E-04
4.53E+01	1.55E-02	4.01E-03	1.15E-03
4.54E+01	1.43E-02	4.03E-03	7.53E-04
4.54E+01	1.31E-02	4.26E-03	1.34E-04
4.54E+01	1.22E-02	4.46E-03	-2.44E-05
4.54E+01	1.15E-02	4.69E-03	4.91E-04
4.54E+01	1.10E-02	4.72E-03	1.38E-03
4.54E+01	1.09E-02	4.41E-03	2.38E-03
4.54E+01	1.10E-02	4.00E-03	3.19E-03
4.54E+01	1.14E-02	3.40E-03	3.60E-03
4.54E+01	1.22E-02	2.70E-03	3.58E-03
4.54E+01	1.33E-02	2.06E-03	3.18E-03
4.54E+01	1.44E-02	1.46E-03	2.59E-03
4.54E+01	1.55E-02	8.31E-04	1.99E-03
4.54E+01	1.65E-02	2.84E-05	1.59E-03
4.54E+01	1.73E-02	-1.02E-03	1.60E-03
4.54E+01	1.78E-02	-2.32E-03	1.83E-03
4.54E+01	1.81E-02	-3.86E-03	1.94E-03
4.54E+01	1.85E-02	-5.51E-03	1.62E-03
4.54E+01	1.86E-02	-7.12E-03	4.59E-04
4.54E+01	1.85E-02	-8.68E-03	-1.33E-03
4.54E+01	1.82E-02	-9.96E-03	-2.99E-03
4.55E+01	1.77E-02	-1.09E-02	-4.14E-03
4.55E+01	1.68E-02	-1.15E-02	-4.70E-03
4.55E+01	1.55E-02	-1.18E-02	-4.57E-03
4.55E+01	1.37E-02	-1.19E-02	-3.94E-03
4.55E+01	1.16E-02	-1.15E-02	-3.05E-03
4.55E+01	9.37E-03	-1.09E-02	-2.04E-03
4.55E+01	7.35E-03	-1.00E-02	-9.51E-04
4.55E+01	5.73E-03	-9.11E-03	1.57E-04
4.55E+01	4.49E-03	-8.41E-03	9.64E-04
4.55E+01	3.70E-03	-7.69E-03	1.32E-03
4.55E+01	3.39E-03	-7.18E-03	1.51E-03
4.55E+01	3.49E-03	-6.83E-03	1.68E-03
4.55E+01	3.86E-03	-6.63E-03	1.88E-03
4.55E+01	4.36E-03	-6.85E-03	1.96E-03
4.55E+01	4.95E-03	-7.14E-03	1.94E-03
4.55E+01	5.58E-03	-7.49E-03	2.16E-03
4.55E+01	6.31E-03	-7.88E-03	2.39E-03
4.55E+01	6.86E-03	-8.29E-03	2.64E-03
4.55E+01	7.09E-03	-8.59E-03	3.20E-03
4.55E+01	7.17E-03	-8.48E-03	3.56E-03
4.56E+01	6.93E-03	-8.25E-03	3.09E-03
4.56E+01	6.40E-03	-7.91E-03	1.89E-03
4.56E+01	5.85E-03	-7.37E-03	5.21E-04
4.56E+01	5.45E-03	-6.81E-03	-4.35E-04

4.56E+01	5.34E-03	-6.33E-03	-8.50E-04
4.56E+01	5.49E-03	-6.10E-03	-8.09E-04
4.56E+01	5.83E-03	-5.96E-03	-3.13E-04
4.56E+01	6.37E-03	-6.03E-03	3.72E-04
4.56E+01	7.10E-03	-6.28E-03	1.03E-03
4.56E+01	8.06E-03	-6.47E-03	1.92E-03
4.56E+01	9.10E-03	-6.82E-03	3.09E-03
4.56E+01	1.02E-02	-7.19E-03	4.34E-03
4.56E+01	1.12E-02	-7.54E-03	5.39E-03
4.56E+01	1.21E-02	-8.04E-03	5.97E-03
4.56E+01	1.28E-02	-8.57E-03	6.19E-03
4.56E+01	1.34E-02	-9.09E-03	6.04E-03
4.56E+01	1.38E-02	-9.51E-03	5.40E-03
4.56E+01	1.42E-02	-9.97E-03	4.46E-03
4.56E+01	1.43E-02	-1.04E-02	3.34E-03
4.56E+01	1.43E-02	-1.08E-02	2.12E-03
4.57E+01	1.40E-02	-1.11E-02	1.19E-03
4.57E+01	1.35E-02	-1.11E-02	6.93E-04
4.57E+01	1.27E-02	-1.11E-02	2.95E-04
4.57E+01	1.13E-02	-1.08E-02	3.55E-05
4.57E+01	9.66E-03	-1.03E-02	1.14E-04
4.57E+01	7.72E-03	-9.57E-03	3.10E-04
4.57E+01	5.55E-03	-8.76E-03	2.62E-04
4.57E+01	3.17E-03	-7.93E-03	1.20E-04
4.57E+01	6.67E-04	-7.05E-03	3.05E-04
4.57E+01	-1.96E-03	-6.27E-03	6.27E-04
4.57E+01	-4.76E-03	-5.83E-03	6.83E-04
4.57E+01	-7.63E-03	-5.66E-03	4.35E-04
4.57E+01	-1.04E-02	-5.67E-03	8.98E-05
4.57E+01	-1.29E-02	-6.04E-03	4.14E-05
4.57E+01	-1.51E-02	-6.69E-03	5.55E-04
4.57E+01	-1.67E-02	-7.59E-03	1.55E-03
4.57E+01	-1.78E-02	-8.87E-03	2.87E-03
4.57E+01	-1.84E-02	-1.03E-02	4.55E-03
4.57E+01	-1.84E-02	-1.18E-02	6.51E-03
4.57E+01	-1.80E-02	-1.35E-02	8.14E-03
4.58E+01	-1.69E-02	-1.51E-02	8.84E-03
4.58E+01	-1.53E-02	-1.66E-02	8.61E-03
4.58E+01	-1.31E-02	-1.79E-02	7.72E-03
4.58E+01	-1.04E-02	-1.88E-02	6.57E-03
4.58E+01	-7.50E-03	-1.94E-02	5.48E-03
4.58E+01	-4.56E-03	-1.98E-02	4.72E-03
4.58E+01	-1.68E-03	-2.01E-02	4.38E-03
4.58E+01	7.35E-04	-2.04E-02	4.37E-03
4.58E+01	2.75E-03	-2.06E-02	4.52E-03
4.58E+01	4.45E-03	-2.08E-02	4.42E-03
4.58E+01	5.58E-03	-2.10E-02	3.72E-03

4.58E+01	6.29E-03	-2.11E-02	2.55E-03
4.58E+01	6.69E-03	-2.10E-02	1.28E-03
4.58E+01	6.83E-03	-2.09E-02	4.33E-04
4.58E+01	6.86E-03	-2.07E-02	5.55E-04
4.58E+01	6.58E-03	-2.05E-02	1.32E-03
4.58E+01	6.03E-03	-2.06E-02	2.11E-03
4.58E+01	5.41E-03	-2.08E-02	2.86E-03
4.58E+01	4.76E-03	-2.08E-02	3.82E-03
4.58E+01	4.15E-03	-2.06E-02	4.88E-03
4.59E+01	3.69E-03	-2.02E-02	5.69E-03
4.59E+01	3.47E-03	-1.94E-02	6.31E-03
4.59E+01	3.32E-03	-1.85E-02	6.59E-03
4.59E+01	3.08E-03	-1.75E-02	6.19E-03
4.59E+01	2.72E-03	-1.66E-02	5.72E-03
4.59E+01	2.28E-03	-1.56E-02	5.66E-03
4.59E+01	1.87E-03	-1.50E-02	5.87E-03
4.59E+01	1.29E-03	-1.48E-02	6.13E-03
4.59E+01	3.82E-04	-1.49E-02	6.05E-03
4.59E+01	-7.03E-04	-1.55E-02	5.53E-03
4.59E+01	-1.79E-03	-1.61E-02	4.52E-03
4.59E+01	-2.90E-03	-1.69E-02	3.14E-03
4.59E+01	-4.23E-03	-1.78E-02	1.57E-03
4.59E+01	-5.75E-03	-1.88E-02	-3.82E-04
4.59E+01	-7.38E-03	-2.00E-02	-2.48E-03
4.59E+01	-8.95E-03	-2.12E-02	-4.49E-03
4.59E+01	-1.04E-02	-2.27E-02	-6.18E-03
4.59E+01	-1.16E-02	-2.43E-02	-6.93E-03
4.59E+01	-1.27E-02	-2.59E-02	-6.83E-03
4.59E+01	-1.36E-02	-2.76E-02	-6.29E-03
4.60E+01	-1.44E-02	-2.93E-02	-5.57E-03
4.60E+01	-1.49E-02	-3.08E-02	-4.71E-03
4.60E+01	-1.53E-02	-3.22E-02	-3.57E-03
4.60E+01	-1.54E-02	-3.32E-02	-2.46E-03
4.60E+01	-1.54E-02	-3.40E-02	-1.63E-03
4.60E+01	-1.52E-02	-3.46E-02	-9.99E-04
4.60E+01	-1.49E-02	-3.49E-02	-1.17E-04
4.60E+01	-1.43E-02	-3.50E-02	1.31E-03
4.60E+01	-1.37E-02	-3.49E-02	2.96E-03
4.60E+01	-1.31E-02	-3.48E-02	4.66E-03
4.60E+01	-1.26E-02	-3.45E-02	5.92E-03
4.60E+01	-1.21E-02	-3.43E-02	6.42E-03
4.60E+01	-1.17E-02	-3.42E-02	6.64E-03
4.60E+01	-1.13E-02	-3.38E-02	6.53E-03
4.60E+01	-1.06E-02	-3.38E-02	6.36E-03
4.60E+01	-9.95E-03	-3.33E-02	6.15E-03
4.60E+01	-9.33E-03	-3.25E-02	5.07E-03
4.60E+01	-8.31E-03	-3.22E-02	3.33E-03

4.60E+01	-6.98E-03	-3.13E-02	1.40E-03
4.60E+01	-5.39E-03	-3.03E-02	-2.59E-04
4.61E+01	-3.67E-03	-2.93E-02	-1.20E-03
4.61E+01	-2.00E-03	-2.82E-02	-1.58E-03
4.61E+01	-4.93E-04	-2.71E-02	-1.52E-03
4.61E+01	8.76E-04	-2.59E-02	-1.04E-03
4.61E+01	1.80E-03	-2.49E-02	-4.22E-04
4.61E+01	2.25E-03	-2.39E-02	-1.97E-04
4.61E+01	2.40E-03	-2.31E-02	-4.54E-04
4.61E+01	2.17E-03	-2.24E-02	-8.78E-04
4.61E+01	1.73E-03	-2.19E-02	-1.19E-03
4.61E+01	1.17E-03	-2.15E-02	-1.37E-03
4.61E+01	6.70E-04	-2.13E-02	-1.41E-03
4.61E+01	2.35E-04	-2.11E-02	-1.28E-03
4.61E+01	-1.47E-04	-2.12E-02	-1.50E-03
4.61E+01	-4.81E-04	-2.15E-02	-2.29E-03
4.61E+01	-7.33E-04	-2.19E-02	-3.34E-03
4.61E+01	-8.03E-04	-2.21E-02	-4.17E-03
4.61E+01	-7.73E-04	-2.22E-02	-4.14E-03
4.61E+01	-5.70E-04	-2.23E-02	-3.07E-03
4.61E+01	-2.69E-04	-2.23E-02	-1.18E-03
4.61E+01	-1.28E-04	-2.25E-02	1.07E-03
4.62E+01	-2.68E-04	-2.27E-02	2.96E-03
4.62E+01	-7.76E-04	-2.30E-02	4.15E-03
4.62E+01	-1.50E-03	-2.33E-02	4.67E-03
4.62E+01	-2.20E-03	-2.33E-02	4.74E-03
4.62E+01	-2.88E-03	-2.33E-02	4.46E-03
4.62E+01	-3.54E-03	-2.33E-02	3.39E-03
4.62E+01	-4.19E-03	-2.32E-02	1.67E-03
4.62E+01	-4.84E-03	-2.34E-02	5.87E-05
4.62E+01	-5.33E-03	-2.37E-02	-1.00E-03
4.62E+01	-5.72E-03	-2.38E-02	-1.58E-03
4.62E+01	-6.15E-03	-2.41E-02	-2.25E-03
4.62E+01	-6.41E-03	-2.44E-02	-3.31E-03
4.62E+01	-6.39E-03	-2.44E-02	-4.37E-03
4.62E+01	-6.39E-03	-2.43E-02	-5.17E-03
4.62E+01	-6.33E-03	-2.40E-02	-5.70E-03
4.62E+01	-6.13E-03	-2.36E-02	-6.08E-03
4.62E+01	-6.03E-03	-2.29E-02	-6.62E-03
4.62E+01	-6.03E-03	-2.21E-02	-7.21E-03
4.62E+01	-6.03E-03	-2.13E-02	-7.17E-03
4.62E+01	-5.92E-03	-2.03E-02	-6.18E-03
4.63E+01	-5.60E-03	-1.92E-02	-4.67E-03
4.63E+01	-5.30E-03	-1.82E-02	-3.25E-03
4.63E+01	-5.14E-03	-1.71E-02	-2.54E-03
4.63E+01	-5.06E-03	-1.62E-02	-2.71E-03
4.63E+01	-5.08E-03	-1.54E-02	-3.48E-03

4.63E+01	-5.16E-03	-1.45E-02	-4.71E-03
4.63E+01	-5.26E-03	-1.39E-02	-5.97E-03
4.63E+01	-5.44E-03	-1.34E-02	-6.83E-03
4.63E+01	-5.80E-03	-1.32E-02	-7.27E-03
4.63E+01	-6.23E-03	-1.34E-02	-7.20E-03
4.63E+01	-6.65E-03	-1.38E-02	-6.68E-03
4.63E+01	-7.06E-03	-1.44E-02	-6.17E-03
4.63E+01	-7.38E-03	-1.53E-02	-6.12E-03
4.63E+01	-7.68E-03	-1.61E-02	-6.81E-03
4.63E+01	-7.93E-03	-1.69E-02	-8.13E-03
4.63E+01	-8.06E-03	-1.75E-02	-9.85E-03
4.63E+01	-7.95E-03	-1.79E-02	-1.16E-02
4.63E+01	-7.61E-03	-1.81E-02	-1.26E-02
4.63E+01	-7.24E-03	-1.82E-02	-1.27E-02
4.63E+01	-6.84E-03	-1.84E-02	-1.24E-02
4.64E+01	-6.36E-03	-1.87E-02	-1.21E-02
4.64E+01	-5.92E-03	-1.91E-02	-1.19E-02
4.64E+01	-5.49E-03	-1.95E-02	-1.13E-02
4.64E+01	-5.08E-03	-1.98E-02	-1.06E-02
4.64E+01	-4.78E-03	-2.01E-02	-9.93E-03
4.64E+01	-4.53E-03	-2.02E-02	-9.79E-03
4.64E+01	-4.45E-03	-2.03E-02	-1.05E-02
4.64E+01	-4.58E-03	-2.04E-02	-1.15E-02
4.64E+01	-4.72E-03	-2.04E-02	-1.22E-02
4.64E+01	-4.86E-03	-2.05E-02	-1.24E-02
4.64E+01	-5.01E-03	-2.06E-02	-1.20E-02
4.64E+01	-5.14E-03	-2.07E-02	-1.14E-02
4.64E+01	-5.28E-03	-2.09E-02	-1.03E-02
4.64E+01	-5.39E-03	-2.12E-02	-8.81E-03
4.64E+01	-5.48E-03	-2.15E-02	-7.56E-03
4.64E+01	-5.69E-03	-2.20E-02	-6.75E-03
4.64E+01	-5.96E-03	-2.25E-02	-6.39E-03
4.64E+01	-6.15E-03	-2.30E-02	-6.22E-03
4.64E+01	-6.32E-03	-2.35E-02	-5.93E-03
4.64E+01	-6.53E-03	-2.39E-02	-5.77E-03
4.65E+01	-6.73E-03	-2.44E-02	-5.94E-03
4.65E+01	-6.95E-03	-2.48E-02	-6.21E-03
4.65E+01	-7.26E-03	-2.51E-02	-6.60E-03
4.65E+01	-7.67E-03	-2.53E-02	-7.15E-03
4.65E+01	-8.09E-03	-2.54E-02	-7.43E-03
4.65E+01	-8.52E-03	-2.52E-02	-7.36E-03
4.65E+01	-8.93E-03	-2.48E-02	-7.00E-03
4.65E+01	-9.31E-03	-2.42E-02	-6.41E-03
4.65E+01	-9.62E-03	-2.35E-02	-5.90E-03
4.65E+01	-9.73E-03	-2.27E-02	-5.71E-03
4.65E+01	-9.55E-03	-2.19E-02	-5.84E-03
4.65E+01	-9.12E-03	-2.11E-02	-6.13E-03

4.65E+01	-8.39E-03	-2.03E-02	-6.47E-03
4.65E+01	-7.31E-03	-1.93E-02	-6.86E-03
4.65E+01	-6.09E-03	-1.83E-02	-7.31E-03
4.65E+01	-4.81E-03	-1.70E-02	-7.77E-03
4.65E+01	-3.53E-03	-1.57E-02	-8.21E-03
4.65E+01	-2.34E-03	-1.44E-02	-8.77E-03
4.65E+01	-1.25E-03	-1.32E-02	-9.36E-03
4.65E+01	-3.27E-04	-1.20E-02	-9.58E-03
4.66E+01	3.89E-04	-1.09E-02	-9.37E-03
4.66E+01	9.03E-04	-1.00E-02	-8.76E-03
4.66E+01	1.15E-03	-9.31E-03	-7.87E-03
4.66E+01	1.02E-03	-8.79E-03	-7.05E-03
4.66E+01	5.57E-04	-8.44E-03	-6.48E-03
4.66E+01	-1.22E-04	-8.13E-03	-6.07E-03
4.66E+01	-9.77E-04	-7.80E-03	-5.67E-03
4.66E+01	-1.97E-03	-7.28E-03	-5.29E-03
4.66E+01	-3.07E-03	-6.57E-03	-4.84E-03
4.66E+01	-4.16E-03	-5.61E-03	-3.72E-03
4.66E+01	-5.18E-03	-4.39E-03	-1.76E-03
4.66E+01	-6.25E-03	-3.17E-03	4.53E-04
4.66E+01	-7.40E-03	-2.17E-03	2.45E-03
4.66E+01	-8.65E-03	-1.37E-03	4.15E-03
4.66E+01	-9.91E-03	-7.72E-04	5.58E-03
4.66E+01	-1.12E-02	-3.56E-04	6.38E-03
4.66E+01	-1.25E-02	-1.31E-04	6.15E-03
4.66E+01	-1.37E-02	5.23E-05	5.17E-03
4.66E+01	-1.44E-02	3.59E-04	4.06E-03
4.66E+01	-1.49E-02	7.47E-04	3.04E-03
4.67E+01	-1.51E-02	1.15E-03	2.12E-03
4.67E+01	-1.51E-02	1.57E-03	1.20E-03
4.67E+01	-1.51E-02	1.92E-03	1.46E-04
4.67E+01	-1.49E-02	2.14E-03	-8.08E-04
4.67E+01	-1.47E-02	2.27E-03	-1.31E-03
4.67E+01	-1.45E-02	2.41E-03	-1.33E-03
4.67E+01	-1.41E-02	2.54E-03	-1.29E-03
4.67E+01	-1.38E-02	2.67E-03	-1.62E-03
4.67E+01	-1.34E-02	2.77E-03	-2.29E-03
4.67E+01	-1.29E-02	2.73E-03	-3.04E-03
4.67E+01	-1.22E-02	2.54E-03	-3.67E-03
4.67E+01	-1.15E-02	2.14E-03	-3.91E-03
4.67E+01	-1.07E-02	1.51E-03	-3.79E-03
4.67E+01	-1.01E-02	6.33E-04	-3.57E-03
4.67E+01	-9.52E-03	-4.16E-04	-3.29E-03
4.67E+01	-9.08E-03	-1.48E-03	-2.90E-03
4.67E+01	-8.75E-03	-2.51E-03	-2.41E-03
4.67E+01	-8.59E-03	-3.42E-03	-1.89E-03
4.67E+01	-8.53E-03	-4.19E-03	-1.33E-03

4.67E+01	-8.49E-03	-4.70E-03	-3.73E-04
4.68E+01	-8.46E-03	-5.00E-03	9.80E-04
4.68E+01	-8.42E-03	-5.19E-03	2.38E-03
4.68E+01	-8.25E-03	-5.21E-03	3.98E-03
4.68E+01	-7.94E-03	-5.18E-03	5.93E-03
4.68E+01	-7.52E-03	-5.20E-03	7.93E-03
4.68E+01	-7.07E-03	-5.24E-03	9.56E-03
4.68E+01	-6.62E-03	-5.32E-03	1.04E-02
4.68E+01	-6.12E-03	-5.34E-03	1.04E-02
4.68E+01	-5.61E-03	-5.18E-03	9.94E-03
4.68E+01	-5.12E-03	-4.78E-03	8.97E-03
4.68E+01	-4.65E-03	-4.11E-03	7.67E-03
4.68E+01	-4.22E-03	-3.08E-03	6.35E-03
4.68E+01	-3.89E-03	-1.69E-03	5.09E-03
4.68E+01	-3.70E-03	-3.15E-05	3.98E-03
4.68E+01	-3.68E-03	1.71E-03	2.83E-03
4.68E+01	-3.81E-03	3.35E-03	1.13E-03
4.68E+01	-4.00E-03	4.88E-03	-1.01E-03
4.68E+01	-4.23E-03	6.36E-03	-3.00E-03
4.68E+01	-4.35E-03	7.89E-03	-4.38E-03
4.68E+01	-4.38E-03	9.44E-03	-5.17E-03
4.69E+01	-4.39E-03	1.09E-02	-5.64E-03
4.69E+01	-4.31E-03	1.23E-02	-5.64E-03
4.69E+01	-4.05E-03	1.37E-02	-4.90E-03
4.69E+01	-3.59E-03	1.50E-02	-3.49E-03
4.69E+01	-2.91E-03	1.62E-02	-1.70E-03
4.69E+01	-2.03E-03	1.74E-02	1.03E-04
4.69E+01	-9.31E-04	1.85E-02	1.70E-03
4.69E+01	4.26E-04	1.96E-02	3.19E-03
4.69E+01	2.00E-03	2.06E-02	4.59E-03
4.69E+01	3.59E-03	2.13E-02	5.80E-03
4.69E+01	5.11E-03	2.17E-02	6.92E-03
4.69E+01	6.56E-03	2.19E-02	8.16E-03
4.69E+01	7.82E-03	2.18E-02	9.63E-03
4.69E+01	8.80E-03	2.14E-02	1.11E-02
4.69E+01	9.45E-03	2.09E-02	1.21E-02
4.69E+01	9.76E-03	2.03E-02	1.26E-02
4.69E+01	9.78E-03	1.98E-02	1.27E-02
4.69E+01	9.43E-03	1.93E-02	1.22E-02
4.69E+01	8.70E-03	1.89E-02	1.15E-02
4.69E+01	7.61E-03	1.85E-02	1.05E-02
4.70E+01	6.15E-03	1.82E-02	8.91E-03
4.70E+01	4.45E-03	1.78E-02	6.78E-03
4.70E+01	2.65E-03	1.73E-02	4.68E-03
4.70E+01	9.28E-04	1.67E-02	3.14E-03
4.70E+01	-6.14E-04	1.61E-02	2.02E-03
4.70E+01	-2.09E-03	1.54E-02	1.12E-03

4.70E+01	-3.47E-03	1.47E-02	5.25E-04
4.70E+01	-4.62E-03	1.41E-02	3.39E-04
4.70E+01	-5.49E-03	1.38E-02	6.03E-04
4.70E+01	-6.20E-03	1.36E-02	1.10E-03
4.70E+01	-6.73E-03	1.35E-02	1.61E-03
4.70E+01	-7.00E-03	1.36E-02	2.40E-03
4.70E+01	-7.10E-03	1.39E-02	3.77E-03
4.70E+01	-7.05E-03	1.42E-02	5.71E-03
4.70E+01	-6.92E-03	1.45E-02	8.06E-03
4.70E+01	-6.72E-03	1.48E-02	1.06E-02
4.70E+01	-6.40E-03	1.52E-02	1.34E-02
4.70E+01	-6.11E-03	1.56E-02	1.60E-02
4.70E+01	-5.92E-03	1.59E-02	1.80E-02
4.70E+01	-5.72E-03	1.61E-02	1.94E-02
4.71E+01	-5.44E-03	1.65E-02	2.04E-02
4.71E+01	-5.09E-03	1.69E-02	2.07E-02
4.71E+01	-4.67E-03	1.71E-02	2.07E-02
4.71E+01	-4.26E-03	1.72E-02	2.07E-02
4.71E+01	-3.86E-03	1.71E-02	2.08E-02
4.71E+01	-3.43E-03	1.69E-02	2.07E-02
4.71E+01	-3.09E-03	1.66E-02	1.99E-02
4.71E+01	-2.79E-03	1.61E-02	1.83E-02
4.71E+01	-2.45E-03	1.57E-02	1.61E-02
4.71E+01	-2.04E-03	1.55E-02	1.34E-02
4.71E+01	-1.60E-03	1.55E-02	1.06E-02
4.71E+01	-1.30E-03	1.57E-02	8.24E-03
4.71E+01	-1.15E-03	1.61E-02	6.39E-03
4.71E+01	-1.14E-03	1.63E-02	5.26E-03
4.71E+01	-1.40E-03	1.65E-02	4.84E-03
4.71E+01	-1.92E-03	1.63E-02	4.67E-03
4.71E+01	-2.60E-03	1.60E-02	4.53E-03
4.71E+01	-3.26E-03	1.56E-02	4.50E-03
4.71E+01	-3.76E-03	1.55E-02	4.63E-03
4.71E+01	-4.14E-03	1.55E-02	4.94E-03
4.72E+01	-4.29E-03	1.58E-02	5.48E-03
4.72E+01	-4.14E-03	1.63E-02	6.35E-03
4.72E+01	-3.75E-03	1.69E-02	7.38E-03
4.72E+01	-3.25E-03	1.73E-02	8.21E-03
4.72E+01	-2.76E-03	1.75E-02	8.77E-03
4.72E+01	-2.23E-03	1.74E-02	9.36E-03
4.72E+01	-1.73E-03	1.72E-02	1.01E-02
4.72E+01	-1.33E-03	1.69E-02	1.06E-02
4.72E+01	-1.09E-03	1.64E-02	1.05E-02
4.72E+01	-1.07E-03	1.59E-02	9.70E-03
4.72E+01	-1.12E-03	1.54E-02	8.27E-03
4.72E+01	-1.21E-03	1.48E-02	6.61E-03
4.72E+01	-1.29E-03	1.41E-02	4.99E-03

4.72E+01	-1.15E-03	1.34E-02	3.45E-03
4.72E+01	-7.93E-04	1.25E-02	2.20E-03
4.72E+01	-3.14E-04	1.15E-02	1.26E-03
4.72E+01	4.32E-04	1.04E-02	6.97E-04
4.72E+01	1.33E-03	9.14E-03	4.64E-04
4.72E+01	2.22E-03	7.95E-03	1.26E-04
4.72E+01	3.05E-03	6.83E-03	-5.69E-04
4.73E+01	3.74E-03	5.84E-03	-1.40E-03
4.73E+01	4.22E-03	5.17E-03	-2.15E-03
4.73E+01	4.43E-03	4.83E-03	-2.89E-03
4.73E+01	4.35E-03	4.74E-03	-3.42E-03
4.73E+01	3.93E-03	4.89E-03	-3.37E-03
4.73E+01	3.21E-03	5.26E-03	-2.66E-03
4.73E+01	2.20E-03	5.71E-03	-1.63E-03
4.73E+01	9.69E-04	6.19E-03	-7.10E-04
4.73E+01	-2.56E-04	6.73E-03	3.35E-04
4.73E+01	-1.34E-03	7.33E-03	1.75E-03
4.73E+01	-2.28E-03	7.91E-03	2.98E-03
4.73E+01	-3.01E-03	8.25E-03	3.81E-03
4.73E+01	-3.54E-03	8.63E-03	4.71E-03
4.73E+01	-3.90E-03	9.22E-03	5.77E-03
4.73E+01	-3.82E-03	9.59E-03	7.03E-03
4.73E+01	-3.50E-03	9.96E-03	8.52E-03
4.73E+01	-3.19E-03	1.03E-02	9.44E-03
4.73E+01	-2.63E-03	1.04E-02	9.32E-03
4.73E+01	-1.97E-03	1.06E-02	8.38E-03
4.73E+01	-1.29E-03	1.08E-02	6.65E-03
4.74E+01	-3.97E-04	1.11E-02	4.46E-03
4.74E+01	5.26E-04	1.16E-02	2.30E-03
4.74E+01	1.41E-03	1.21E-02	3.08E-04
4.74E+01	2.18E-03	1.26E-02	-1.43E-03
4.74E+01	2.74E-03	1.29E-02	-2.72E-03
4.74E+01	3.06E-03	1.29E-02	-3.40E-03
4.74E+01	3.09E-03	1.27E-02	-3.49E-03
4.74E+01	2.82E-03	1.24E-02	-3.20E-03
4.74E+01	2.23E-03	1.20E-02	-2.73E-03
4.74E+01	1.48E-03	1.17E-02	-2.19E-03
4.74E+01	7.75E-04	1.17E-02	-1.47E-03
4.74E+01	1.45E-04	1.19E-02	-4.38E-04
4.74E+01	-3.75E-04	1.23E-02	5.52E-04
4.74E+01	-7.78E-04	1.26E-02	1.18E-03
4.74E+01	-1.10E-03	1.29E-02	1.45E-03
4.74E+01	-1.38E-03	1.30E-02	1.56E-03
4.74E+01	-1.72E-03	1.30E-02	1.61E-03
4.74E+01	-2.24E-03	1.28E-02	1.44E-03
4.74E+01	-2.84E-03	1.27E-02	1.06E-03
4.74E+01	-3.53E-03	1.28E-02	4.64E-04

4.75E+01	-4.26E-03	1.28E-02	-2.23E-04
4.75E+01	-4.88E-03	1.29E-02	-7.83E-04
4.75E+01	-5.43E-03	1.29E-02	-1.30E-03
4.75E+01	-5.89E-03	1.27E-02	-1.87E-03
4.75E+01	-6.16E-03	1.24E-02	-2.45E-03
4.75E+01	-6.18E-03	1.20E-02	-3.08E-03
4.75E+01	-5.76E-03	1.15E-02	-3.74E-03
4.75E+01	-4.92E-03	1.09E-02	-4.50E-03
4.75E+01	-3.80E-03	1.02E-02	-5.46E-03
4.75E+01	-2.43E-03	9.60E-03	-6.35E-03
4.75E+01	-9.23E-04	9.05E-03	-6.81E-03
4.75E+01	4.18E-04	8.43E-03	-7.20E-03
4.75E+01	1.45E-03	7.69E-03	-7.87E-03
4.75E+01	2.18E-03	6.94E-03	-8.65E-03
4.75E+01	2.64E-03	6.29E-03	-9.03E-03
4.75E+01	2.92E-03	5.83E-03	-8.67E-03
4.75E+01	3.07E-03	5.44E-03	-7.81E-03
4.75E+01	3.06E-03	5.04E-03	-6.76E-03
4.75E+01	2.92E-03	4.72E-03	-5.63E-03
4.75E+01	2.67E-03	4.51E-03	-4.57E-03
4.76E+01	2.18E-03	4.29E-03	-3.87E-03
4.76E+01	1.48E-03	4.18E-03	-3.64E-03
4.76E+01	6.79E-04	4.26E-03	-4.00E-03
4.76E+01	-1.98E-04	4.56E-03	-4.92E-03
4.76E+01	-1.13E-03	5.11E-03	-5.95E-03
4.76E+01	-2.08E-03	5.87E-03	-6.54E-03
4.76E+01	-3.09E-03	6.74E-03	-6.58E-03
4.76E+01	-4.14E-03	7.65E-03	-6.36E-03
4.76E+01	-5.21E-03	8.52E-03	-5.95E-03
4.76E+01	-6.27E-03	9.44E-03	-5.34E-03
4.76E+01	-7.12E-03	1.05E-02	-4.82E-03
4.76E+01	-7.70E-03	1.17E-02	-4.61E-03
4.76E+01	-7.89E-03	1.30E-02	-4.88E-03
4.76E+01	-7.57E-03	1.45E-02	-5.80E-03
4.76E+01	-6.66E-03	1.63E-02	-6.89E-03
4.76E+01	-5.17E-03	1.81E-02	-7.49E-03
4.76E+01	-3.31E-03	1.98E-02	-7.64E-03
4.76E+01	-1.43E-03	2.12E-02	-7.83E-03
4.76E+01	1.67E-04	2.21E-02	-8.40E-03
4.76E+01	1.40E-03	2.26E-02	-9.28E-03
4.77E+01	2.20E-03	2.31E-02	-9.81E-03
4.77E+01	2.53E-03	2.36E-02	-9.66E-03
4.77E+01	2.48E-03	2.40E-02	-9.08E-03
4.77E+01	2.01E-03	2.46E-02	-8.18E-03
4.77E+01	1.14E-03	2.51E-02	-7.17E-03
4.77E+01	4.54E-05	2.55E-02	-6.25E-03
4.77E+01	-1.01E-03	2.57E-02	-5.32E-03

4.77E+01	-1.86E-03	2.56E-02	-4.36E-03
4.77E+01	-2.44E-03	2.54E-02	-3.53E-03
4.77E+01	-2.73E-03	2.50E-02	-2.94E-03
4.77E+01	-2.75E-03	2.45E-02	-2.44E-03
4.77E+01	-2.45E-03	2.39E-02	-1.79E-03
4.77E+01	-1.90E-03	2.33E-02	-8.50E-04
4.77E+01	-1.35E-03	2.25E-02	2.26E-04
4.77E+01	-1.01E-03	2.15E-02	9.93E-04
4.77E+01	-1.00E-03	2.03E-02	9.06E-04
4.77E+01	-1.35E-03	1.90E-02	-2.42E-04
4.77E+01	-1.95E-03	1.79E-02	-2.33E-03
4.77E+01	-2.65E-03	1.71E-02	-4.97E-03
4.77E+01	-3.26E-03	1.67E-02	-7.61E-03
4.78E+01	-3.65E-03	1.67E-02	-9.86E-03
4.78E+01	-3.79E-03	1.70E-02	-1.16E-02
4.78E+01	-3.65E-03	1.73E-02	-1.30E-02
4.78E+01	-3.26E-03	1.76E-02	-1.37E-02
4.78E+01	-2.63E-03	1.78E-02	-1.37E-02
4.78E+01	-1.87E-03	1.81E-02	-1.33E-02
4.78E+01	-9.12E-04	1.83E-02	-1.27E-02
4.78E+01	3.24E-04	1.85E-02	-1.17E-02
4.78E+01	1.72E-03	1.87E-02	-1.07E-02
4.78E+01	3.18E-03	1.89E-02	-9.90E-03
4.78E+01	4.64E-03	1.92E-02	-9.00E-03
4.78E+01	6.11E-03	1.94E-02	-7.82E-03
4.78E+01	7.61E-03	1.94E-02	-6.50E-03
4.78E+01	8.88E-03	1.91E-02	-5.11E-03
4.78E+01	9.79E-03	1.87E-02	-3.96E-03
4.78E+01	1.04E-02	1.81E-02	-3.34E-03
4.78E+01	1.07E-02	1.75E-02	-3.28E-03
4.78E+01	1.06E-02	1.71E-02	-3.57E-03
4.78E+01	1.03E-02	1.68E-02	-3.68E-03
4.78E+01	9.96E-03	1.68E-02	-3.05E-03
4.79E+01	9.72E-03	1.69E-02	-1.69E-03
4.79E+01	9.43E-03	1.70E-02	-3.91E-04
4.79E+01	9.02E-03	1.67E-02	2.93E-04
4.79E+01	8.60E-03	1.64E-02	5.57E-04
4.79E+01	8.19E-03	1.60E-02	4.08E-04
4.79E+01	7.72E-03	1.56E-02	-4.79E-04
4.79E+01	7.10E-03	1.52E-02	-2.23E-03
4.79E+01	6.36E-03	1.51E-02	-4.64E-03
4.79E+01	5.57E-03	1.51E-02	-7.37E-03
4.79E+01	4.69E-03	1.52E-02	-1.01E-02
4.79E+01	3.59E-03	1.53E-02	-1.24E-02
4.79E+01	2.31E-03	1.55E-02	-1.40E-02
4.79E+01	9.48E-04	1.56E-02	-1.47E-02
4.79E+01	-4.09E-04	1.58E-02	-1.45E-02

4.79E+01	-1.71E-03	1.60E-02	-1.39E-02
4.79E+01	-2.90E-03	1.62E-02	-1.35E-02
4.79E+01	-3.80E-03	1.66E-02	-1.36E-02
4.79E+01	-4.28E-03	1.70E-02	-1.38E-02
4.79E+01	-4.33E-03	1.74E-02	-1.34E-02
4.79E+01	-3.94E-03	1.76E-02	-1.23E-02
4.80E+01	-3.10E-03	1.75E-02	-1.02E-02
4.80E+01	-2.08E-03	1.69E-02	-7.44E-03
4.80E+01	-1.07E-03	1.57E-02	-4.48E-03
4.80E+01	-1.30E-04	1.41E-02	-1.73E-03
4.80E+01	6.27E-04	1.22E-02	7.90E-04
4.80E+01	1.27E-03	1.06E-02	3.13E-03
4.80E+01	1.73E-03	9.37E-03	5.08E-03
4.80E+01	1.95E-03	8.47E-03	6.22E-03
4.80E+01	2.03E-03	8.03E-03	6.33E-03
4.80E+01	1.97E-03	7.84E-03	5.65E-03
4.80E+01	1.85E-03	7.65E-03	4.76E-03
4.80E+01	1.76E-03	7.38E-03	3.73E-03
4.80E+01	1.56E-03	6.75E-03	2.42E-03
4.80E+01	1.34E-03	5.85E-03	9.19E-04
4.80E+01	1.36E-03	4.90E-03	-6.25E-04
4.80E+01	1.67E-03	3.79E-03	-1.85E-03
4.80E+01	2.33E-03	2.75E-03	-2.53E-03
4.80E+01	3.32E-03	1.80E-03	-3.10E-03
4.80E+01	4.53E-03	9.13E-04	-3.86E-03
4.80E+01	5.84E-03	2.74E-04	-4.52E-03
4.81E+01	7.20E-03	-2.78E-04	-4.80E-03
4.81E+01	8.71E-03	-6.25E-04	-4.77E-03
4.81E+01	1.01E-02	-8.27E-04	-4.74E-03
4.81E+01	1.13E-02	-1.03E-03	-5.00E-03
4.81E+01	1.21E-02	-1.04E-03	-5.46E-03
4.81E+01	1.26E-02	-1.03E-03	-5.81E-03
4.81E+01	1.27E-02	-1.07E-03	-5.56E-03
4.81E+01	1.23E-02	-8.99E-04	-4.49E-03
4.81E+01	1.14E-02	-5.71E-04	-3.15E-03
4.81E+01	9.97E-03	-1.40E-04	-1.68E-03
4.81E+01	8.46E-03	6.16E-04	2.23E-04
4.81E+01	7.04E-03	1.60E-03	2.11E-03
4.81E+01	5.91E-03	2.73E-03	3.60E-03
4.81E+01	5.27E-03	3.99E-03	4.51E-03
4.81E+01	5.05E-03	5.15E-03	4.61E-03
4.81E+01	5.27E-03	6.03E-03	4.25E-03
4.81E+01	5.94E-03	6.60E-03	4.01E-03
4.81E+01	6.82E-03	6.86E-03	3.89E-03
4.81E+01	7.63E-03	6.56E-03	3.75E-03
4.81E+01	8.22E-03	5.85E-03	3.77E-03
4.82E+01	8.46E-03	5.10E-03	4.13E-03

4.82E+01	8.41E-03	4.45E-03	4.72E-03
4.82E+01	8.24E-03	4.13E-03	5.20E-03
4.82E+01	7.94E-03	4.23E-03	5.55E-03
4.82E+01	7.64E-03	4.79E-03	5.79E-03
4.82E+01	7.42E-03	5.58E-03	5.67E-03
4.82E+01	7.22E-03	6.40E-03	5.28E-03
4.82E+01	7.22E-03	7.23E-03	4.72E-03
4.82E+01	7.42E-03	7.75E-03	3.69E-03
4.82E+01	7.74E-03	7.77E-03	2.20E-03
4.82E+01	8.17E-03	7.45E-03	6.51E-04
4.82E+01	8.56E-03	6.93E-03	-6.78E-04
4.82E+01	8.88E-03	6.33E-03	-1.67E-03
4.82E+01	9.16E-03	5.75E-03	-2.26E-03
4.82E+01	9.40E-03	5.22E-03	-2.12E-03
4.82E+01	9.47E-03	4.71E-03	-1.02E-03
4.82E+01	9.23E-03	4.24E-03	6.32E-04
4.82E+01	8.66E-03	3.82E-03	2.34E-03
4.82E+01	7.83E-03	3.57E-03	3.62E-03
4.82E+01	6.91E-03	3.60E-03	4.14E-03
4.83E+01	5.87E-03	3.88E-03	3.73E-03
4.83E+01	4.79E-03	4.38E-03	2.47E-03
4.83E+01	3.96E-03	5.23E-03	1.18E-03
4.83E+01	3.32E-03	6.28E-03	3.50E-04
4.83E+01	2.66E-03	7.32E-03	4.04E-05
4.83E+01	1.91E-03	8.26E-03	4.79E-04
4.83E+01	1.09E-03	9.05E-03	1.50E-03
4.83E+01	2.24E-04	9.58E-03	2.81E-03
4.83E+01	-7.32E-04	9.82E-03	4.20E-03
4.83E+01	-1.70E-03	9.87E-03	5.19E-03
4.83E+01	-2.58E-03	9.78E-03	5.44E-03
4.83E+01	-3.29E-03	9.71E-03	5.08E-03
4.83E+01	-3.75E-03	9.70E-03	4.46E-03
4.83E+01	-3.86E-03	9.58E-03	3.82E-03
4.83E+01	-3.50E-03	9.37E-03	3.29E-03
4.83E+01	-2.83E-03	8.86E-03	2.83E-03
4.83E+01	-2.01E-03	8.00E-03	2.42E-03
4.83E+01	-1.07E-03	6.98E-03	2.09E-03
4.83E+01	-4.50E-05	5.97E-03	1.62E-03
4.83E+01	1.01E-03	5.18E-03	8.54E-04
4.84E+01	1.93E-03	4.74E-03	-1.26E-04
4.84E+01	2.66E-03	4.64E-03	-1.03E-03
4.84E+01	3.31E-03	4.92E-03	-1.36E-03
4.84E+01	3.86E-03	5.40E-03	-8.45E-04
4.84E+01	4.30E-03	5.88E-03	5.47E-04
4.84E+01	4.66E-03	6.30E-03	2.54E-03
4.84E+01	4.97E-03	6.46E-03	4.76E-03
4.84E+01	5.30E-03	6.32E-03	7.14E-03

4.84E+01	5.65E-03	5.98E-03	9.43E-03
4.84E+01	6.02E-03	5.49E-03	1.12E-02
4.84E+01	6.37E-03	4.89E-03	1.24E-02
4.84E+01	6.74E-03	4.31E-03	1.31E-02
4.84E+01	7.24E-03	3.81E-03	1.34E-02
4.84E+01	7.72E-03	3.38E-03	1.34E-02
4.84E+01	8.17E-03	3.04E-03	1.30E-02
4.84E+01	8.64E-03	2.79E-03	1.21E-02
4.84E+01	9.05E-03	2.56E-03	1.08E-02
4.84E+01	9.46E-03	2.39E-03	9.21E-03
4.84E+01	9.93E-03	2.39E-03	7.85E-03
4.84E+01	1.05E-02	2.55E-03	6.58E-03
4.85E+01	1.09E-02	2.81E-03	4.86E-03
4.85E+01	1.11E-02	3.14E-03	2.48E-03
4.85E+01	1.12E-02	3.55E-03	-3.42E-04
4.85E+01	1.13E-02	4.15E-03	-2.96E-03
4.85E+01	1.16E-02	4.79E-03	-4.71E-03
4.85E+01	1.19E-02	5.33E-03	-5.37E-03
4.85E+01	1.23E-02	5.83E-03	-4.87E-03
4.85E+01	1.28E-02	6.12E-03	-3.56E-03
4.85E+01	1.30E-02	6.07E-03	-2.03E-03
4.85E+01	1.30E-02	5.77E-03	-5.91E-04
4.85E+01	1.29E-02	5.27E-03	4.50E-04
4.85E+01	1.26E-02	4.68E-03	1.25E-03
4.85E+01	1.23E-02	4.08E-03	2.14E-03
4.85E+01	1.20E-02	3.51E-03	3.22E-03
4.85E+01	1.16E-02	3.02E-03	4.30E-03
4.85E+01	1.11E-02	2.51E-03	4.92E-03
4.85E+01	1.07E-02	2.03E-03	5.07E-03
4.85E+01	1.02E-02	1.67E-03	4.75E-03
4.85E+01	9.49E-03	1.37E-03	3.72E-03
4.85E+01	8.71E-03	1.34E-03	2.21E-03
4.86E+01	7.80E-03	1.62E-03	3.43E-04
4.86E+01	6.80E-03	1.99E-03	-1.83E-03
4.86E+01	5.85E-03	2.40E-03	-3.70E-03
4.86E+01	4.91E-03	2.80E-03	-4.85E-03
4.86E+01	3.95E-03	3.08E-03	-5.35E-03
4.86E+01	2.95E-03	3.22E-03	-5.13E-03
4.86E+01	1.88E-03	3.15E-03	-4.47E-03
4.86E+01	7.51E-04	2.98E-03	-3.78E-03
4.86E+01	-4.96E-04	2.80E-03	-3.03E-03
4.86E+01	-1.87E-03	2.59E-03	-2.39E-03
4.86E+01	-3.23E-03	2.43E-03	-1.92E-03
4.86E+01	-4.52E-03	2.42E-03	-1.27E-03
4.86E+01	-5.61E-03	2.48E-03	-1.94E-04
4.86E+01	-6.38E-03	2.64E-03	1.51E-03
4.86E+01	-6.71E-03	2.76E-03	3.57E-03

4.86E+01	-6.46E-03	2.64E-03	5.48E-03
4.86E+01	-5.57E-03	2.23E-03	6.82E-03
4.86E+01	-4.11E-03	1.53E-03	7.18E-03
4.86E+01	-2.24E-03	6.41E-04	6.54E-03
4.86E+01	-9.90E-05	-2.00E-04	5.22E-03
4.87E+01	2.13E-03	-8.92E-04	3.43E-03
4.87E+01	4.20E-03	-1.41E-03	1.50E-03
4.87E+01	6.02E-03	-1.75E-03	-7.04E-05
4.87E+01	7.55E-03	-2.03E-03	-1.03E-03
4.87E+01	8.59E-03	-2.42E-03	-1.59E-03
4.87E+01	9.10E-03	-2.98E-03	-2.09E-03
4.87E+01	9.18E-03	-3.66E-03	-2.48E-03
4.87E+01	9.03E-03	-4.33E-03	-2.75E-03
4.87E+01	8.88E-03	-4.97E-03	-3.09E-03
4.87E+01	8.81E-03	-5.51E-03	-3.40E-03
4.87E+01	8.96E-03	-5.85E-03	-3.45E-03
4.87E+01	9.37E-03	-6.18E-03	-3.35E-03
4.87E+01	1.00E-02	-6.61E-03	-3.11E-03
4.87E+01	1.08E-02	-7.16E-03	-2.57E-03
4.87E+01	1.18E-02	-7.94E-03	-1.52E-03
4.87E+01	1.28E-02	-8.82E-03	3.99E-04
4.87E+01	1.37E-02	-9.86E-03	2.75E-03
4.87E+01	1.44E-02	-1.10E-02	5.00E-03
4.87E+01	1.48E-02	-1.21E-02	7.03E-03
4.87E+01	1.50E-02	-1.30E-02	8.41E-03
4.88E+01	1.50E-02	-1.38E-02	9.36E-03
4.88E+01	1.50E-02	-1.43E-02	1.02E-02
4.88E+01	1.51E-02	-1.46E-02	1.09E-02
4.88E+01	1.52E-02	-1.49E-02	1.18E-02
4.88E+01	1.53E-02	-1.53E-02	1.27E-02
4.88E+01	1.54E-02	-1.59E-02	1.33E-02
4.88E+01	1.53E-02	-1.68E-02	1.34E-02
4.88E+01	1.48E-02	-1.77E-02	1.30E-02
4.88E+01	1.41E-02	-1.88E-02	1.20E-02
4.88E+01	1.31E-02	-1.99E-02	1.07E-02
4.88E+01	1.18E-02	-2.11E-02	8.94E-03
4.88E+01	1.01E-02	-2.23E-02	6.77E-03
4.88E+01	8.26E-03	-2.35E-02	4.74E-03
4.88E+01	6.28E-03	-2.47E-02	3.16E-03
4.88E+01	4.28E-03	-2.58E-02	2.12E-03
4.88E+01	2.30E-03	-2.67E-02	1.62E-03
4.88E+01	6.24E-04	-2.72E-02	1.41E-03
4.88E+01	-5.10E-04	-2.71E-02	1.43E-03
4.88E+01	-9.76E-04	-2.65E-02	1.59E-03
4.88E+01	-6.34E-04	-2.54E-02	1.70E-03
4.89E+01	6.17E-04	-2.38E-02	2.19E-03
4.89E+01	2.78E-03	-2.17E-02	3.52E-03

4.89E+01	5.41E-03	-1.96E-02	4.99E-03
4.89E+01	7.98E-03	-1.80E-02	5.78E-03
4.89E+01	1.03E-02	-1.69E-02	5.56E-03
4.89E+01	1.21E-02	-1.61E-02	4.54E-03
4.89E+01	1.34E-02	-1.55E-02	3.79E-03
4.89E+01	1.42E-02	-1.50E-02	3.90E-03
4.89E+01	1.43E-02	-1.45E-02	4.49E-03
4.89E+01	1.40E-02	-1.39E-02	5.06E-03
4.89E+01	1.34E-02	-1.34E-02	5.07E-03
4.89E+01	1.27E-02	-1.31E-02	4.67E-03
4.89E+01	1.22E-02	-1.31E-02	4.22E-03
4.89E+01	1.21E-02	-1.33E-02	3.82E-03
4.89E+01	1.22E-02	-1.37E-02	3.44E-03
4.89E+01	1.24E-02	-1.45E-02	2.47E-03
4.89E+01	1.30E-02	-1.54E-02	1.04E-03
4.89E+01	1.36E-02	-1.65E-02	5.53E-05
4.89E+01	1.42E-02	-1.75E-02	-5.51E-04
4.89E+01	1.49E-02	-1.86E-02	-8.33E-04
4.90E+01	1.51E-02	-1.98E-02	-4.83E-04
4.90E+01	1.52E-02	-2.07E-02	3.78E-04
4.90E+01	1.51E-02	-2.16E-02	1.56E-03
4.90E+01	1.47E-02	-2.21E-02	2.69E-03
4.90E+01	1.39E-02	-2.24E-02	3.23E-03
4.90E+01	1.29E-02	-2.26E-02	3.18E-03
4.90E+01	1.14E-02	-2.24E-02	2.83E-03
4.90E+01	9.62E-03	-2.21E-02	2.80E-03
4.90E+01	7.55E-03	-2.17E-02	3.49E-03
4.90E+01	5.00E-03	-2.11E-02	4.69E-03
4.90E+01	2.30E-03	-2.06E-02	6.33E-03
4.90E+01	-4.81E-04	-2.04E-02	8.01E-03
4.90E+01	-3.22E-03	-2.05E-02	9.15E-03
4.90E+01	-5.72E-03	-2.07E-02	9.72E-03
4.90E+01	-7.65E-03	-2.08E-02	1.01E-02
4.90E+01	-8.98E-03	-2.09E-02	1.05E-02
4.90E+01	-9.86E-03	-2.14E-02	1.05E-02
4.90E+01	-1.00E-02	-2.20E-02	9.98E-03
4.90E+01	-9.47E-03	-2.23E-02	9.35E-03
4.90E+01	-8.58E-03	-2.28E-02	8.31E-03
4.91E+01	-7.38E-03	-2.35E-02	6.84E-03
4.91E+01	-5.83E-03	-2.36E-02	5.17E-03
4.91E+01	-3.89E-03	-2.34E-02	3.94E-03
4.91E+01	-2.09E-03	-2.32E-02	2.89E-03
4.91E+01	-5.27E-04	-2.24E-02	1.36E-03
4.91E+01	1.13E-03	-2.14E-02	1.78E-04
4.91E+01	2.61E-03	-2.02E-02	-3.28E-04
4.91E+01	3.97E-03	-1.89E-02	-2.01E-04
4.91E+01	5.09E-03	-1.79E-02	2.20E-04

4.91E+01	5.92E-03	-1.72E-02	2.60E-04
4.91E+01	6.82E-03	-1.63E-02	8.60E-04
4.91E+01	7.44E-03	-1.58E-02	1.87E-03
4.91E+01	7.75E-03	-1.56E-02	2.14E-03
4.91E+01	7.96E-03	-1.54E-02	1.73E-03
4.91E+01	7.88E-03	-1.53E-02	5.73E-04
4.91E+01	7.45E-03	-1.52E-02	-1.44E-03
4.91E+01	6.64E-03	-1.50E-02	-3.77E-03
4.91E+01	5.36E-03	-1.48E-02	-5.29E-03
4.91E+01	3.60E-03	-1.43E-02	-5.69E-03
4.91E+01	1.40E-03	-1.38E-02	-5.74E-03
4.92E+01	-1.27E-03	-1.35E-02	-5.86E-03
4.92E+01	-4.09E-03	-1.33E-02	-6.24E-03
4.92E+01	-6.75E-03	-1.29E-02	-6.61E-03
4.92E+01	-9.15E-03	-1.24E-02	-6.81E-03
4.92E+01	-1.12E-02	-1.17E-02	-6.85E-03
4.92E+01	-1.27E-02	-1.09E-02	-6.44E-03
4.92E+01	-1.36E-02	-1.03E-02	-5.74E-03
4.92E+01	-1.41E-02	-9.89E-03	-5.09E-03
4.92E+01	-1.42E-02	-9.97E-03	-4.50E-03
4.92E+01	-1.39E-02	-1.05E-02	-3.73E-03
4.92E+01	-1.34E-02	-1.14E-02	-2.47E-03
4.92E+01	-1.27E-02	-1.26E-02	-5.38E-04
4.92E+01	-1.23E-02	-1.41E-02	1.64E-03
4.92E+01	-1.21E-02	-1.55E-02	3.48E-03
4.92E+01	-1.23E-02	-1.69E-02	4.60E-03
4.92E+01	-1.27E-02	-1.80E-02	4.68E-03
4.92E+01	-1.32E-02	-1.90E-02	4.00E-03
4.92E+01	-1.38E-02	-1.96E-02	2.97E-03
4.92E+01	-1.45E-02	-2.01E-02	1.77E-03
4.92E+01	-1.49E-02	-2.02E-02	5.35E-04
4.93E+01	-1.53E-02	-2.02E-02	-9.14E-04
4.93E+01	-1.58E-02	-2.01E-02	-2.52E-03
4.93E+01	-1.63E-02	-1.98E-02	-4.06E-03
4.93E+01	-1.69E-02	-1.92E-02	-5.42E-03
4.93E+01	-1.76E-02	-1.84E-02	-6.31E-03
4.93E+01	-1.86E-02	-1.73E-02	-6.57E-03
4.93E+01	-1.97E-02	-1.59E-02	-6.40E-03
4.93E+01	-2.09E-02	-1.46E-02	-5.95E-03
4.93E+01	-2.23E-02	-1.33E-02	-5.20E-03
4.93E+01	-2.36E-02	-1.22E-02	-4.36E-03
4.93E+01	-2.50E-02	-1.15E-02	-3.85E-03
4.93E+01	-2.62E-02	-1.09E-02	-3.89E-03
4.93E+01	-2.73E-02	-1.06E-02	-4.47E-03
4.93E+01	-2.81E-02	-1.03E-02	-5.26E-03
4.93E+01	-2.85E-02	-9.94E-03	-5.87E-03
4.93E+01	-2.84E-02	-9.52E-03	-6.31E-03

4.93E+01	-2.82E-02	-9.06E-03	-6.81E-03
4.93E+01	-2.77E-02	-8.60E-03	-7.43E-03
4.93E+01	-2.71E-02	-8.18E-03	-7.77E-03
4.93E+01	-2.63E-02	-7.78E-03	-7.48E-03
4.94E+01	-2.54E-02	-7.47E-03	-6.75E-03
4.94E+01	-2.44E-02	-7.28E-03	-5.73E-03
4.94E+01	-2.36E-02	-7.29E-03	-4.31E-03
4.94E+01	-2.27E-02	-7.50E-03	-2.58E-03
4.94E+01	-2.19E-02	-7.85E-03	-8.58E-04
4.94E+01	-2.11E-02	-8.21E-03	5.76E-04
4.94E+01	-2.05E-02	-8.43E-03	1.62E-03
4.94E+01	-2.00E-02	-8.47E-03	2.40E-03
4.94E+01	-1.94E-02	-8.26E-03	3.09E-03
4.94E+01	-1.89E-02	-7.90E-03	3.71E-03
4.94E+01	-1.86E-02	-7.50E-03	4.07E-03
4.94E+01	-1.83E-02	-7.06E-03	3.99E-03
4.94E+01	-1.83E-02	-6.66E-03	3.63E-03
4.94E+01	-1.86E-02	-6.35E-03	3.02E-03
4.94E+01	-1.90E-02	-6.25E-03	2.15E-03
4.94E+01	-1.94E-02	-6.33E-03	1.16E-03
4.94E+01	-2.00E-02	-6.59E-03	3.15E-05
4.94E+01	-2.06E-02	-7.02E-03	-1.33E-03
4.94E+01	-2.14E-02	-7.69E-03	-2.93E-03
4.94E+01	-2.21E-02	-8.51E-03	-4.54E-03
4.95E+01	-2.29E-02	-9.27E-03	-5.74E-03
4.95E+01	-2.35E-02	-1.01E-02	-6.51E-03
4.95E+01	-2.41E-02	-1.08E-02	-6.71E-03
4.95E+01	-2.45E-02	-1.15E-02	-6.15E-03
4.95E+01	-2.48E-02	-1.20E-02	-5.24E-03
4.95E+01	-2.50E-02	-1.25E-02	-4.47E-03
4.95E+01	-2.52E-02	-1.30E-02	-4.14E-03
4.95E+01	-2.52E-02	-1.33E-02	-4.55E-03
4.95E+01	-2.51E-02	-1.36E-02	-5.55E-03
4.95E+01	-2.48E-02	-1.37E-02	-6.79E-03
4.95E+01	-2.42E-02	-1.36E-02	-7.89E-03
4.95E+01	-2.32E-02	-1.30E-02	-8.38E-03
4.95E+01	-2.19E-02	-1.23E-02	-8.18E-03
4.95E+01	-2.04E-02	-1.15E-02	-7.73E-03
4.95E+01	-1.90E-02	-1.07E-02	-7.52E-03
4.95E+01	-1.78E-02	-1.03E-02	-7.85E-03
4.95E+01	-1.65E-02	-1.00E-02	-8.82E-03
4.95E+01	-1.54E-02	-9.99E-03	-1.03E-02
4.95E+01	-1.42E-02	-1.00E-02	-1.21E-02
4.95E+01	-1.31E-02	-1.00E-02	-1.37E-02
4.96E+01	-1.18E-02	-9.91E-03	-1.41E-02
4.96E+01	-1.06E-02	-9.67E-03	-1.32E-02
4.96E+01	-9.67E-03	-9.52E-03	-1.14E-02

4.96E+01	-9.05E-03	-9.49E-03	-9.14E-03
4.96E+01	-8.86E-03	-9.51E-03	-7.25E-03
4.96E+01	-9.07E-03	-9.63E-03	-6.30E-03
4.96E+01	-9.40E-03	-9.59E-03	-6.38E-03
4.96E+01	-9.70E-03	-9.28E-03	-7.10E-03
4.96E+01	-9.90E-03	-8.76E-03	-7.84E-03
4.96E+01	-9.83E-03	-8.17E-03	-8.31E-03
4.96E+01	-9.62E-03	-7.68E-03	-8.27E-03
4.96E+01	-9.31E-03	-7.38E-03	-7.48E-03
4.96E+01	-8.92E-03	-7.45E-03	-6.37E-03
4.96E+01	-8.57E-03	-7.90E-03	-5.52E-03
4.96E+01	-8.33E-03	-8.70E-03	-5.24E-03
4.96E+01	-8.16E-03	-9.45E-03	-5.30E-03
4.96E+01	-7.93E-03	-9.93E-03	-5.22E-03
4.96E+01	-7.67E-03	-1.00E-02	-4.72E-03
4.96E+01	-7.42E-03	-9.60E-03	-3.80E-03
4.96E+01	-7.13E-03	-8.96E-03	-2.60E-03
4.97E+01	-6.83E-03	-8.14E-03	-1.34E-03
4.97E+01	-6.58E-03	-7.37E-03	-3.25E-04
4.97E+01	-6.39E-03	-6.88E-03	2.98E-04
4.97E+01	-6.29E-03	-6.54E-03	6.29E-04
4.97E+01	-6.17E-03	-6.22E-03	6.53E-04
4.97E+01	-5.94E-03	-5.63E-03	2.95E-04
4.97E+01	-5.75E-03	-4.90E-03	-2.49E-04
4.97E+01	-5.66E-03	-4.03E-03	-8.38E-04
4.97E+01	-5.56E-03	-2.91E-03	-1.60E-03
4.97E+01	-5.33E-03	-1.82E-03	-2.33E-03
4.97E+01	-5.01E-03	-9.23E-04	-2.85E-03
4.97E+01	-4.72E-03	-3.77E-04	-3.28E-03
4.97E+01	-4.41E-03	-2.43E-04	-3.55E-03
4.97E+01	-3.98E-03	-3.18E-04	-3.45E-03
4.97E+01	-3.48E-03	-6.40E-04	-2.93E-03
4.97E+01	-3.07E-03	-1.19E-03	-2.08E-03
4.97E+01	-2.88E-03	-1.88E-03	-1.28E-03
4.97E+01	-2.90E-03	-2.71E-03	-1.15E-03
4.97E+01	-3.06E-03	-3.59E-03	-1.82E-03
4.97E+01	-3.28E-03	-4.37E-03	-2.78E-03
4.98E+01	-3.46E-03	-4.95E-03	-3.37E-03
4.98E+01	-3.45E-03	-5.33E-03	-3.10E-03
4.98E+01	-3.34E-03	-5.47E-03	-2.03E-03
4.98E+01	-3.29E-03	-5.46E-03	-7.49E-04
4.98E+01	-3.28E-03	-5.42E-03	3.83E-04
4.98E+01	-3.25E-03	-5.34E-03	1.25E-03
4.98E+01	-3.25E-03	-5.20E-03	1.54E-03
4.98E+01	-3.24E-03	-4.93E-03	1.11E-03
4.98E+01	-3.11E-03	-4.56E-03	3.93E-04
4.98E+01	-2.77E-03	-4.05E-03	-9.92E-05

4.98E+01	-2.23E-03	-3.42E-03	-2.63E-04
4.98E+01	-1.60E-03	-2.95E-03	5.40E-05
4.98E+01	-9.76E-04	-2.71E-03	1.01E-03
4.98E+01	-4.47E-04	-2.73E-03	2.17E-03
4.98E+01	-2.65E-05	-3.10E-03	2.92E-03
4.98E+01	2.07E-04	-3.59E-03	3.10E-03
4.98E+01	3.57E-04	-3.92E-03	2.99E-03
4.98E+01	6.23E-04	-3.89E-03	2.92E-03
4.98E+01	8.39E-04	-3.45E-03	3.02E-03
4.98E+01	9.52E-04	-2.77E-03	3.23E-03
4.99E+01	9.52E-04	-2.08E-03	3.40E-03
4.99E+01	7.55E-04	-1.40E-03	3.17E-03
4.99E+01	4.71E-04	-6.90E-04	2.46E-03
4.99E+01	1.56E-04	9.17E-05	1.86E-03
4.99E+01	-3.55E-05	9.65E-04	1.81E-03
4.99E+01	3.89E-05	1.86E-03	2.29E-03
4.99E+01	2.62E-04	2.70E-03	2.84E-03
4.99E+01	5.92E-04	3.34E-03	2.90E-03
4.99E+01	1.06E-03	3.72E-03	2.69E-03
4.99E+01	1.77E-03	4.00E-03	2.66E-03
4.99E+01	2.73E-03	4.21E-03	2.78E-03
4.99E+01	3.82E-03	4.32E-03	2.92E-03
4.99E+01	5.08E-03	4.51E-03	3.06E-03
4.99E+01	6.43E-03	4.71E-03	3.21E-03
4.99E+01	7.72E-03	4.75E-03	3.04E-03
4.99E+01	8.85E-03	4.52E-03	2.43E-03
4.99E+01	9.67E-03	4.01E-03	1.43E-03
4.99E+01	1.02E-02	3.32E-03	5.34E-06
4.99E+01	1.04E-02	2.51E-03	-1.49E-03
4.99E+01	1.04E-02	1.77E-03	-2.52E-03
5.00E+01	1.02E-02	1.24E-03	-2.96E-03
5.00E+01	9.78E-03	7.78E-04	-2.96E-03
5.00E+01	9.23E-03	4.96E-04	-2.53E-03
5.00E+01	8.35E-03	2.72E-04	-1.93E-03
5.00E+01	7.21E-03	2.35E-05	-1.58E-03
5.00E+01	6.03E-03	-7.72E-05	-1.26E-03
5.00E+01	5.00E-03	1.45E-05	-6.61E-04
5.00E+01	4.42E-03	3.46E-04	3.99E-04
5.00E+01	4.24E-03	6.20E-04	2.11E-03
5.00E+01	4.43E-03	7.62E-04	4.28E-03
5.00E+01	5.05E-03	8.39E-04	6.56E-03
5.00E+01	5.87E-03	7.81E-04	8.54E-03
5.00E+01	6.80E-03	6.67E-04	1.00E-02
5.00E+01	7.76E-03	5.20E-04	1.11E-02
5.00E+01	8.72E-03	4.45E-04	1.17E-02
5.00E+01	9.64E-03	4.34E-04	1.17E-02
5.00E+01	1.03E-02	4.38E-04	1.13E-02

5.00E+01	1.05E-02	4.31E-04	1.06E-02
5.00E+01	1.04E-02	3.87E-04	9.73E-03
5.00E+01	1.01E-02	4.15E-04	8.63E-03
5.01E+01	9.47E-03	3.90E-04	7.12E-03
5.01E+01	8.55E-03	2.39E-04	5.41E-03
5.01E+01	7.56E-03	1.74E-04	3.95E-03
5.01E+01	6.70E-03	2.31E-04	3.03E-03
5.01E+01	6.04E-03	3.84E-04	2.71E-03
5.01E+01	5.53E-03	5.96E-04	2.96E-03
5.01E+01	5.13E-03	7.58E-04	3.68E-03
5.01E+01	4.76E-03	9.08E-04	4.44E-03
5.01E+01	4.37E-03	1.01E-03	5.08E-03
5.01E+01	4.00E-03	1.07E-03	5.94E-03
5.01E+01	3.80E-03	1.19E-03	6.89E-03
5.01E+01	3.67E-03	1.29E-03	7.54E-03
5.01E+01	3.50E-03	1.33E-03	7.44E-03
5.01E+01	3.41E-03	1.44E-03	6.65E-03
5.01E+01	3.48E-03	1.68E-03	5.81E-03
5.01E+01	3.66E-03	1.94E-03	4.92E-03
5.01E+01	3.79E-03	2.08E-03	3.61E-03
5.01E+01	3.86E-03	2.19E-03	1.94E-03
5.01E+01	3.93E-03	2.35E-03	1.33E-04
5.01E+01	3.96E-03	2.55E-03	-1.56E-03
5.02E+01	4.01E-03	2.81E-03	-2.91E-03
5.02E+01	4.08E-03	3.07E-03	-3.72E-03
5.02E+01	4.16E-03	3.34E-03	-3.84E-03
5.02E+01	4.16E-03	3.60E-03	-3.43E-03
5.02E+01	4.01E-03	3.76E-03	-2.95E-03
5.02E+01	3.69E-03	3.86E-03	-2.56E-03
5.02E+01	3.27E-03	3.96E-03	-2.05E-03
5.02E+01	2.84E-03	4.04E-03	-1.35E-03
5.02E+01	2.38E-03	4.02E-03	-5.29E-04
5.02E+01	1.87E-03	3.90E-03	4.06E-04
5.02E+01	1.38E-03	3.78E-03	1.44E-03
5.02E+01	1.00E-03	3.67E-03	2.48E-03
5.02E+01	7.20E-04	3.36E-03	3.18E-03
5.02E+01	4.63E-04	2.79E-03	3.41E-03
5.02E+01	3.02E-04	2.02E-03	3.25E-03
5.02E+01	2.84E-04	1.16E-03	2.73E-03
5.02E+01	3.85E-04	2.89E-04	2.20E-03
5.02E+01	6.65E-04	-5.79E-04	1.92E-03
5.02E+01	1.17E-03	-1.40E-03	1.88E-03
5.02E+01	1.80E-03	-2.20E-03	1.90E-03
5.03E+01	2.38E-03	-3.04E-03	1.50E-03
5.03E+01	2.89E-03	-3.84E-03	5.66E-04
5.03E+01	3.37E-03	-4.45E-03	-4.95E-04
5.03E+01	3.85E-03	-4.78E-03	-1.37E-03

5.03E+01	4.30E-03	-4.79E-03	-2.01E-03
5.03E+01	4.66E-03	-4.58E-03	-2.57E-03
5.03E+01	4.92E-03	-4.20E-03	-3.09E-03
5.03E+01	5.08E-03	-3.63E-03	-3.38E-03
5.03E+01	5.12E-03	-3.01E-03	-3.28E-03
5.03E+01	5.01E-03	-2.50E-03	-2.82E-03
5.03E+01	4.72E-03	-2.12E-03	-2.05E-03
5.03E+01	4.28E-03	-1.81E-03	-1.19E-03
5.03E+01	3.70E-03	-1.57E-03	-5.08E-04
5.03E+01	2.92E-03	-1.27E-03	2.82E-05
5.03E+01	1.98E-03	-7.59E-04	5.92E-04
5.03E+01	1.05E-03	3.34E-05	1.37E-03
5.03E+01	1.60E-04	9.54E-04	2.26E-03
5.03E+01	-7.09E-04	1.78E-03	2.99E-03
5.03E+01	-1.47E-03	2.40E-03	3.59E-03
5.03E+01	-2.03E-03	2.77E-03	4.29E-03
5.04E+01	-2.26E-03	2.96E-03	5.11E-03
5.04E+01	-2.17E-03	2.95E-03	5.74E-03
5.04E+01	-1.79E-03	2.76E-03	5.72E-03
5.04E+01	-9.91E-04	2.61E-03	5.13E-03
5.04E+01	1.79E-04	2.71E-03	4.40E-03
5.04E+01	1.55E-03	3.07E-03	3.62E-03
5.04E+01	2.95E-03	3.58E-03	2.71E-03
5.04E+01	4.11E-03	4.21E-03	1.63E-03
5.04E+01	4.91E-03	4.90E-03	3.62E-04
5.04E+01	5.34E-03	5.63E-03	-9.54E-04
5.04E+01	5.42E-03	6.41E-03	-2.09E-03
5.04E+01	5.19E-03	7.20E-03	-3.05E-03
5.04E+01	4.67E-03	8.00E-03	-3.85E-03
5.04E+01	3.92E-03	8.87E-03	-4.53E-03
5.04E+01	2.95E-03	9.73E-03	-5.35E-03
5.04E+01	1.80E-03	1.05E-02	-6.41E-03
5.04E+01	7.20E-04	1.14E-02	-7.38E-03
5.04E+01	-1.39E-04	1.22E-02	-8.05E-03
5.04E+01	-7.88E-04	1.31E-02	-8.36E-03
5.04E+01	-1.24E-03	1.37E-02	-8.15E-03
5.05E+01	-1.44E-03	1.42E-02	-7.43E-03
5.05E+01	-1.42E-03	1.45E-02	-6.64E-03
5.05E+01	-1.29E-03	1.45E-02	-6.25E-03
5.05E+01	-1.10E-03	1.42E-02	-6.27E-03
5.05E+01	-8.22E-04	1.37E-02	-6.50E-03
5.05E+01	-4.58E-04	1.32E-02	-6.66E-03
5.05E+01	-6.68E-05	1.29E-02	-6.45E-03
5.05E+01	2.99E-04	1.27E-02	-5.92E-03
5.05E+01	6.79E-04	1.25E-02	-5.11E-03
5.05E+01	9.63E-04	1.22E-02	-4.06E-03
5.05E+01	9.79E-04	1.17E-02	-3.15E-03

5.05E+01	6.68E-04	1.07E-02	-2.80E-03
5.05E+01	4.84E-05	9.46E-03	-3.03E-03
5.05E+01	-8.79E-04	8.14E-03	-3.39E-03
5.05E+01	-2.12E-03	6.84E-03	-3.55E-03
5.05E+01	-3.63E-03	5.60E-03	-3.52E-03
5.05E+01	-5.34E-03	4.53E-03	-3.02E-03
5.05E+01	-7.12E-03	3.75E-03	-2.02E-03
5.05E+01	-8.89E-03	3.15E-03	-1.04E-03
5.05E+01	-1.06E-02	2.60E-03	-4.02E-04
5.06E+01	-1.20E-02	2.11E-03	-7.11E-05
5.06E+01	-1.30E-02	1.63E-03	-2.57E-04
5.06E+01	-1.36E-02	1.06E-03	-1.22E-03
5.06E+01	-1.38E-02	4.33E-04	-2.65E-03
5.06E+01	-1.36E-02	-1.22E-04	-3.99E-03
5.06E+01	-1.27E-02	-6.52E-04	-5.19E-03
5.06E+01	-1.16E-02	-1.22E-03	-6.35E-03
5.06E+01	-1.03E-02	-1.79E-03	-7.32E-03
5.06E+01	-8.72E-03	-2.26E-03	-7.86E-03
5.06E+01	-7.08E-03	-2.50E-03	-7.74E-03
5.06E+01	-5.53E-03	-2.47E-03	-7.07E-03
5.06E+01	-4.23E-03	-2.16E-03	-6.47E-03
5.06E+01	-3.12E-03	-1.52E-03	-6.14E-03
5.06E+01	-2.17E-03	-4.20E-04	-5.88E-03
5.06E+01	-1.41E-03	1.05E-03	-5.64E-03
5.06E+01	-7.63E-04	2.67E-03	-5.23E-03
5.06E+01	-2.07E-04	4.35E-03	-4.47E-03
5.06E+01	2.95E-04	6.01E-03	-3.43E-03
5.06E+01	7.49E-04	7.58E-03	-2.06E-03
5.06E+01	1.09E-03	9.02E-03	-4.97E-04
5.07E+01	1.41E-03	1.02E-02	9.21E-04
5.07E+01	1.83E-03	1.14E-02	2.03E-03
5.07E+01	2.40E-03	1.25E-02	2.72E-03
5.07E+01	3.10E-03	1.37E-02	2.93E-03
5.07E+01	3.88E-03	1.50E-02	2.62E-03
5.07E+01	4.68E-03	1.61E-02	1.47E-03
5.07E+01	5.43E-03	1.71E-02	-3.19E-04
5.07E+01	6.13E-03	1.79E-02	-2.05E-03
5.07E+01	6.69E-03	1.85E-02	-3.46E-03
5.07E+01	7.09E-03	1.88E-02	-4.65E-03
5.07E+01	7.21E-03	1.87E-02	-5.90E-03
5.07E+01	7.00E-03	1.83E-02	-7.15E-03
5.07E+01	6.63E-03	1.78E-02	-7.82E-03
5.07E+01	6.19E-03	1.74E-02	-7.79E-03
5.07E+01	5.78E-03	1.71E-02	-7.51E-03
5.07E+01	5.38E-03	1.68E-02	-7.39E-03
5.07E+01	5.09E-03	1.66E-02	-7.49E-03
5.07E+01	5.08E-03	1.65E-02	-7.54E-03

5.07E+01	5.30E-03	1.63E-02	-7.47E-03
5.07E+01	5.73E-03	1.61E-02	-7.45E-03
5.08E+01	6.22E-03	1.58E-02	-7.62E-03
5.08E+01	6.72E-03	1.54E-02	-8.00E-03
5.08E+01	7.29E-03	1.50E-02	-8.25E-03
5.08E+01	7.86E-03	1.45E-02	-7.97E-03
5.08E+01	8.38E-03	1.42E-02	-7.15E-03
5.08E+01	8.81E-03	1.40E-02	-6.07E-03
5.08E+01	9.10E-03	1.38E-02	-4.92E-03
5.08E+01	9.27E-03	1.37E-02	-3.64E-03
5.08E+01	9.37E-03	1.39E-02	-2.28E-03
5.08E+01	9.51E-03	1.42E-02	-1.12E-03
5.08E+01	9.74E-03	1.45E-02	-3.55E-04
5.08E+01	1.00E-02	1.50E-02	1.42E-04
5.08E+01	1.04E-02	1.55E-02	8.08E-04
5.08E+01	1.07E-02	1.60E-02	1.83E-03
5.08E+01	1.10E-02	1.65E-02	3.08E-03
5.08E+01	1.12E-02	1.70E-02	4.48E-03
5.08E+01	1.11E-02	1.75E-02	5.84E-03
5.08E+01	1.08E-02	1.81E-02	6.73E-03
5.08E+01	1.03E-02	1.88E-02	6.95E-03
5.08E+01	9.70E-03	1.96E-02	6.67E-03
5.09E+01	9.11E-03	2.06E-02	6.05E-03
5.09E+01	8.57E-03	2.16E-02	5.20E-03
5.09E+01	8.14E-03	2.26E-02	4.48E-03
5.09E+01	7.83E-03	2.34E-02	4.10E-03
5.09E+01	7.56E-03	2.39E-02	3.99E-03
5.09E+01	7.28E-03	2.40E-02	3.83E-03
5.09E+01	7.05E-03	2.37E-02	3.31E-03
5.09E+01	6.92E-03	2.31E-02	2.36E-03
5.09E+01	6.86E-03	2.22E-02	1.06E-03
5.09E+01	6.90E-03	2.14E-02	-3.72E-04
5.09E+01	7.15E-03	2.09E-02	-1.80E-03
5.09E+01	7.51E-03	2.06E-02	-3.35E-03
5.09E+01	7.87E-03	2.05E-02	-4.85E-03
5.09E+01	8.24E-03	2.07E-02	-5.81E-03
5.09E+01	8.59E-03	2.09E-02	-6.04E-03
5.09E+01	8.87E-03	2.11E-02	-5.63E-03
5.09E+01	9.03E-03	2.12E-02	-4.73E-03
5.09E+01	9.06E-03	2.12E-02	-3.40E-03
5.09E+01	8.97E-03	2.12E-02	-1.72E-03
5.09E+01	8.71E-03	2.11E-02	-1.22E-04
5.10E+01	8.26E-03	2.09E-02	1.01E-03
5.10E+01	7.67E-03	2.07E-02	1.71E-03
5.10E+01	6.96E-03	2.04E-02	2.16E-03
5.10E+01	6.22E-03	2.02E-02	2.48E-03
5.10E+01	5.37E-03	1.98E-02	2.68E-03

5.10E+01	4.35E-03	1.92E-02	2.67E-03
5.10E+01	3.29E-03	1.87E-02	2.48E-03
5.10E+01	2.16E-03	1.84E-02	2.09E-03
5.10E+01	1.00E-03	1.82E-02	1.66E-03
5.10E+01	-2.01E-04	1.82E-02	1.40E-03
5.10E+01	-1.44E-03	1.85E-02	1.41E-03
5.10E+01	-2.57E-03	1.92E-02	1.87E-03
5.10E+01	-3.76E-03	2.00E-02	2.74E-03
5.10E+01	-5.05E-03	2.08E-02	3.58E-03
5.10E+01	-6.33E-03	2.17E-02	4.26E-03
5.10E+01	-7.60E-03	2.26E-02	4.83E-03
5.10E+01	-8.80E-03	2.34E-02	5.23E-03
5.10E+01	-1.00E-02	2.40E-02	5.45E-03
5.10E+01	-1.11E-02	2.45E-02	5.71E-03
5.10E+01	-1.20E-02	2.49E-02	6.38E-03
5.11E+01	-1.26E-02	2.49E-02	7.46E-03
5.11E+01	-1.29E-02	2.46E-02	8.68E-03
5.11E+01	-1.31E-02	2.35E-02	9.81E-03
5.11E+01	-1.27E-02	2.18E-02	1.03E-02
5.11E+01	-1.21E-02	1.96E-02	9.95E-03
5.11E+01	-1.10E-02	1.69E-02	8.67E-03
5.11E+01	-9.54E-03	1.42E-02	6.73E-03
5.11E+01	-7.62E-03	1.18E-02	4.83E-03
5.11E+01	-5.43E-03	9.74E-03	3.17E-03
5.11E+01	-3.25E-03	7.95E-03	1.52E-03
5.11E+01	-1.34E-03	6.40E-03	4.06E-05
5.11E+01	2.77E-04	5.16E-03	-1.24E-03
5.11E+01	1.63E-03	4.22E-03	-2.38E-03
5.11E+01	2.72E-03	3.76E-03	-3.26E-03
5.11E+01	3.73E-03	3.62E-03	-3.81E-03
5.11E+01	4.78E-03	3.85E-03	-3.95E-03
5.11E+01	5.94E-03	4.26E-03	-3.84E-03
5.11E+01	7.33E-03	4.51E-03	-3.54E-03
5.11E+01	8.99E-03	4.86E-03	-2.72E-03
5.11E+01	1.09E-02	4.98E-03	-1.72E-03
5.12E+01	1.29E-02	4.95E-03	-1.01E-03
5.12E+01	1.48E-02	5.09E-03	-6.57E-04
5.12E+01	1.67E-02	5.29E-03	-5.57E-04
5.12E+01	1.84E-02	5.82E-03	-1.32E-04
5.12E+01	1.98E-02	6.73E-03	8.56E-04
5.12E+01	2.10E-02	7.90E-03	2.20E-03
5.12E+01	2.17E-02	9.13E-03	3.91E-03
5.12E+01	2.20E-02	1.01E-02	5.61E-03
5.12E+01	2.19E-02	1.08E-02	6.75E-03
5.12E+01	2.15E-02	1.14E-02	7.30E-03
5.12E+01	2.09E-02	1.17E-02	7.42E-03
5.12E+01	2.01E-02	1.20E-02	7.08E-03

5.12E+01	1.92E-02	1.21E-02	6.39E-03
5.12E+01	1.82E-02	1.22E-02	5.37E-03
5.12E+01	1.71E-02	1.20E-02	3.86E-03
5.12E+01	1.60E-02	1.16E-02	2.27E-03
5.12E+01	1.47E-02	1.12E-02	9.98E-04
5.12E+01	1.31E-02	1.06E-02	7.99E-05
5.12E+01	1.14E-02	9.99E-03	-5.45E-04
5.12E+01	9.44E-03	9.43E-03	-1.14E-03
5.13E+01	7.41E-03	8.87E-03	-1.65E-03
5.13E+01	5.44E-03	8.43E-03	-1.61E-03
5.13E+01	3.54E-03	8.06E-03	-1.13E-03
5.13E+01	1.87E-03	7.70E-03	-7.82E-04
5.13E+01	4.97E-04	7.44E-03	-8.76E-04
5.13E+01	-5.12E-04	7.22E-03	-1.25E-03
5.13E+01	-1.09E-03	6.96E-03	-1.76E-03
5.13E+01	-1.21E-03	6.66E-03	-2.44E-03
5.13E+01	-7.46E-04	6.25E-03	-2.89E-03
5.13E+01	1.90E-04	5.74E-03	-2.81E-03
5.13E+01	1.46E-03	4.99E-03	-2.53E-03
5.13E+01	2.93E-03	3.97E-03	-2.01E-03
5.13E+01	4.44E-03	2.98E-03	-1.21E-03
5.13E+01	5.92E-03	2.05E-03	-4.98E-04
5.13E+01	7.24E-03	1.19E-03	1.23E-04
5.13E+01	8.35E-03	6.40E-04	6.10E-04
5.13E+01	9.26E-03	4.11E-04	8.72E-04
5.13E+01	9.72E-03	4.00E-04	9.33E-04
5.13E+01	9.66E-03	5.96E-04	6.10E-04
5.13E+01	9.08E-03	9.96E-04	-4.73E-05
5.14E+01	8.03E-03	1.69E-03	-6.27E-04
5.14E+01	6.76E-03	2.78E-03	-8.85E-04
5.14E+01	5.45E-03	4.22E-03	-7.07E-04
5.14E+01	4.20E-03	5.85E-03	-6.50E-05
5.14E+01	3.23E-03	7.57E-03	7.98E-04
5.14E+01	2.57E-03	9.27E-03	1.69E-03
5.14E+01	2.13E-03	1.08E-02	2.51E-03
5.14E+01	2.02E-03	1.20E-02	3.13E-03
5.14E+01	2.24E-03	1.30E-02	3.62E-03
5.14E+01	2.64E-03	1.37E-02	4.08E-03
5.14E+01	3.18E-03	1.42E-02	4.57E-03
5.14E+01	3.76E-03	1.44E-02	5.13E-03
5.14E+01	4.35E-03	1.45E-02	5.74E-03
5.14E+01	4.86E-03	1.44E-02	6.30E-03
5.14E+01	5.16E-03	1.40E-02	6.72E-03
5.14E+01	5.18E-03	1.35E-02	6.97E-03
5.14E+01	5.00E-03	1.29E-02	7.02E-03
5.14E+01	4.76E-03	1.23E-02	6.67E-03
5.14E+01	4.45E-03	1.15E-02	5.81E-03

5.14E+01	3.94E-03	1.04E-02	4.49E-03
5.15E+01	3.22E-03	9.34E-03	2.96E-03
5.15E+01	2.33E-03	8.23E-03	1.67E-03
5.15E+01	1.26E-03	7.24E-03	7.83E-04
5.15E+01	3.03E-05	6.42E-03	1.34E-04
5.15E+01	-1.31E-03	5.87E-03	-2.00E-04
5.15E+01	-2.66E-03	5.74E-03	-6.56E-05
5.15E+01	-3.92E-03	5.95E-03	4.81E-04
5.15E+01	-5.12E-03	6.45E-03	1.21E-03
5.15E+01	-6.22E-03	7.15E-03	1.71E-03
5.15E+01	-7.07E-03	7.88E-03	2.00E-03
5.15E+01	-7.61E-03	8.60E-03	2.41E-03
5.15E+01	-7.77E-03	9.20E-03	2.85E-03
5.15E+01	-7.52E-03	9.64E-03	3.27E-03
5.15E+01	-6.86E-03	1.00E-02	3.83E-03
5.15E+01	-5.78E-03	1.03E-02	4.26E-03
5.15E+01	-4.37E-03	1.03E-02	4.42E-03
5.15E+01	-2.83E-03	1.02E-02	4.45E-03
5.15E+01	-1.21E-03	9.97E-03	4.34E-03
5.15E+01	3.10E-04	9.62E-03	4.00E-03
5.15E+01	1.45E-03	9.06E-03	3.44E-03
5.16E+01	2.16E-03	8.28E-03	2.86E-03
5.16E+01	2.42E-03	7.31E-03	2.64E-03
5.16E+01	2.20E-03	6.23E-03	2.97E-03
5.16E+01	1.55E-03	5.13E-03	3.68E-03
5.16E+01	4.24E-04	3.97E-03	4.18E-03
5.16E+01	-1.03E-03	2.80E-03	4.04E-03
5.16E+01	-2.64E-03	1.72E-03	3.19E-03
5.16E+01	-4.28E-03	8.45E-04	1.84E-03
5.16E+01	-5.76E-03	2.81E-04	3.82E-04
5.16E+01	-7.00E-03	-3.34E-05	-6.87E-04
5.16E+01	-7.98E-03	-2.16E-04	-8.46E-04
5.16E+01	-8.72E-03	-4.15E-04	-1.00E-04
5.16E+01	-9.35E-03	-8.04E-04	9.58E-04
5.16E+01	-9.82E-03	-1.42E-03	1.71E-03
5.16E+01	-9.99E-03	-2.09E-03	1.94E-03
5.16E+01	-9.77E-03	-2.60E-03	1.88E-03
5.16E+01	-9.01E-03	-2.84E-03	1.67E-03
5.16E+01	-7.64E-03	-2.69E-03	1.55E-03
5.16E+01	-5.81E-03	-2.09E-03	1.83E-03
5.16E+01	-3.73E-03	-1.24E-03	2.42E-03
5.17E+01	-1.68E-03	-4.33E-04	3.32E-03
5.17E+01	6.48E-06	1.01E-04	4.00E-03
5.17E+01	1.34E-03	2.93E-04	4.04E-03
5.17E+01	2.22E-03	3.90E-04	3.67E-03
5.17E+01	2.69E-03	4.13E-04	3.02E-03
5.17E+01	2.94E-03	4.69E-04	2.63E-03

5.17E+01	2.88E-03	6.22E-04	2.82E-03
5.17E+01	2.58E-03	8.22E-04	3.48E-03
5.17E+01	2.01E-03	1.12E-03	4.13E-03
5.17E+01	1.23E-03	8.92E-04	4.40E-03
5.17E+01	4.07E-04	2.67E-04	4.44E-03
5.17E+01	-3.36E-04	-1.43E-04	4.01E-03
5.17E+01	-4.95E-04	-7.42E-04	3.71E-03
5.17E+01	-3.63E-04	-1.47E-03	3.98E-03
5.17E+01	-2.70E-04	-2.08E-03	4.22E-03
5.17E+01	2.60E-04	-2.80E-03	4.54E-03
5.17E+01	8.99E-04	-3.70E-03	4.64E-03
5.17E+01	1.29E-03	-4.71E-03	4.82E-03
5.17E+01	1.50E-03	-5.88E-03	5.09E-03
5.17E+01	1.56E-03	-7.27E-03	4.87E-03
5.18E+01	1.55E-03	-8.49E-03	5.08E-03
5.18E+01	1.33E-03	-9.76E-03	5.55E-03
5.18E+01	9.26E-04	-1.12E-02	5.75E-03
5.18E+01	5.06E-04	-1.23E-02	5.98E-03
5.18E+01	7.23E-05	-1.34E-02	6.08E-03
5.18E+01	-4.30E-04	-1.45E-02	6.25E-03
5.18E+01	-9.77E-04	-1.56E-02	6.35E-03
5.18E+01	-1.42E-03	-1.65E-02	6.27E-03
5.18E+01	-1.58E-03	-1.72E-02	6.40E-03
5.18E+01	-1.38E-03	-1.77E-02	6.60E-03
5.18E+01	-8.05E-04	-1.80E-02	6.66E-03
5.18E+01	2.07E-04	-1.80E-02	6.47E-03
5.18E+01	1.52E-03	-1.77E-02	5.99E-03
5.18E+01	3.00E-03	-1.71E-02	5.52E-03
5.18E+01	4.60E-03	-1.62E-02	5.28E-03
5.18E+01	6.25E-03	-1.49E-02	5.32E-03
5.18E+01	7.76E-03	-1.34E-02	5.68E-03
5.18E+01	8.85E-03	-1.19E-02	6.04E-03
5.18E+01	9.52E-03	-1.05E-02	5.89E-03
5.18E+01	9.86E-03	-9.24E-03	5.06E-03
5.19E+01	9.87E-03	-8.10E-03	3.67E-03
5.19E+01	9.66E-03	-7.02E-03	2.20E-03
5.19E+01	9.40E-03	-5.94E-03	1.14E-03
5.19E+01	9.23E-03	-4.94E-03	6.36E-04
5.19E+01	9.15E-03	-4.30E-03	4.53E-04
5.19E+01	9.10E-03	-4.08E-03	2.94E-04
5.19E+01	9.17E-03	-4.20E-03	4.39E-04
5.19E+01	9.45E-03	-4.62E-03	8.36E-04
5.19E+01	9.84E-03	-5.32E-03	1.12E-03
5.19E+01	1.03E-02	-6.16E-03	1.38E-03
5.19E+01	1.06E-02	-7.07E-03	1.66E-03
5.19E+01	1.10E-02	-8.07E-03	2.02E-03
5.19E+01	1.11E-02	-9.12E-03	2.47E-03

5.19E+01	1.09E-02	-1.03E-02	2.82E-03
5.19E+01	1.05E-02	-1.17E-02	3.11E-03
5.19E+01	9.75E-03	-1.32E-02	3.45E-03
5.19E+01	8.75E-03	-1.48E-02	3.67E-03
5.19E+01	7.60E-03	-1.64E-02	3.45E-03
5.19E+01	6.40E-03	-1.80E-02	2.63E-03
5.19E+01	5.17E-03	-1.96E-02	1.20E-03
5.20E+01	3.97E-03	-2.11E-02	-5.83E-04
5.20E+01	2.84E-03	-2.25E-02	-2.44E-03
5.20E+01	1.92E-03	-2.38E-02	-3.96E-03
5.20E+01	1.34E-03	-2.50E-02	-4.69E-03
5.20E+01	1.00E-03	-2.62E-02	-4.59E-03
5.20E+01	9.68E-04	-2.73E-02	-4.07E-03
5.20E+01	1.06E-03	-2.85E-02	-3.49E-03
5.20E+01	1.22E-03	-2.95E-02	-3.20E-03
5.20E+01	1.50E-03	-3.00E-02	-3.33E-03
5.20E+01	1.68E-03	-3.02E-02	-3.27E-03
5.20E+01	1.94E-03	-2.97E-02	-2.78E-03
5.20E+01	2.36E-03	-2.85E-02	-1.83E-03
5.20E+01	2.60E-03	-2.70E-02	-2.12E-04
5.20E+01	2.69E-03	-2.53E-02	1.22E-03
5.20E+01	2.84E-03	-2.41E-02	2.60E-03
5.20E+01	2.98E-03	-2.31E-02	4.38E-03
5.20E+01	2.99E-03	-2.24E-02	5.60E-03
5.20E+01	2.95E-03	-2.23E-02	6.07E-03
5.20E+01	3.04E-03	-2.22E-02	5.56E-03
5.20E+01	3.16E-03	-2.23E-02	4.28E-03
5.21E+01	3.30E-03	-2.26E-02	2.87E-03
5.21E+01	3.48E-03	-2.29E-02	1.22E-03
5.21E+01	3.53E-03	-2.34E-02	-2.27E-04
5.21E+01	3.58E-03	-2.38E-02	-1.68E-03
5.21E+01	3.65E-03	-2.43E-02	-3.00E-03
5.21E+01	3.44E-03	-2.49E-02	-3.86E-03
5.21E+01	3.21E-03	-2.54E-02	-4.84E-03
5.21E+01	2.98E-03	-2.59E-02	-5.74E-03
5.21E+01	2.70E-03	-2.63E-02	-6.44E-03
5.21E+01	2.38E-03	-2.65E-02	-6.98E-03
5.21E+01	1.90E-03	-2.68E-02	-7.18E-03
5.21E+01	1.44E-03	-2.67E-02	-7.38E-03
5.21E+01	1.03E-03	-2.64E-02	-7.56E-03
5.21E+01	7.15E-04	-2.59E-02	-7.66E-03
5.21E+01	4.46E-04	-2.52E-02	-7.94E-03
5.21E+01	9.63E-05	-2.41E-02	-8.54E-03
5.21E+01	-2.22E-04	-2.29E-02	-9.38E-03
5.21E+01	-6.03E-04	-2.14E-02	-1.00E-02
5.21E+01	-1.18E-03	-2.00E-02	-1.02E-02
5.21E+01	-1.90E-03	-1.87E-02	-9.86E-03

5.22E+01	-2.81E-03	-1.77E-02	-9.08E-03
5.22E+01	-3.91E-03	-1.70E-02	-7.72E-03
5.22E+01	-5.16E-03	-1.66E-02	-6.12E-03
5.22E+01	-6.43E-03	-1.62E-02	-4.69E-03
5.22E+01	-7.60E-03	-1.56E-02	-3.56E-03
5.22E+01	-8.69E-03	-1.49E-02	-2.73E-03
5.22E+01	-9.56E-03	-1.37E-02	-2.20E-03
5.22E+01	-1.01E-02	-1.24E-02	-1.91E-03
5.22E+01	-1.03E-02	-1.11E-02	-1.63E-03
5.22E+01	-1.02E-02	-9.78E-03	-1.05E-03
5.22E+01	-9.92E-03	-8.70E-03	-4.93E-04
5.22E+01	-9.51E-03	-7.96E-03	-3.77E-04
5.22E+01	-8.87E-03	-7.47E-03	-5.20E-04
5.22E+01	-8.07E-03	-7.12E-03	-8.54E-04
5.22E+01	-7.19E-03	-6.86E-03	-1.31E-03
5.22E+01	-6.36E-03	-6.68E-03	-1.94E-03
5.22E+01	-5.56E-03	-6.52E-03	-2.81E-03
5.22E+01	-4.85E-03	-6.29E-03	-3.74E-03
5.22E+01	-4.31E-03	-6.07E-03	-4.77E-03
5.22E+01	-3.83E-03	-5.93E-03	-5.92E-03
5.23E+01	-3.38E-03	-5.90E-03	-7.07E-03
5.23E+01	-2.90E-03	-5.97E-03	-8.05E-03
5.23E+01	-2.44E-03	-6.11E-03	-8.76E-03
5.23E+01	-2.02E-03	-6.28E-03	-9.20E-03
5.23E+01	-1.63E-03	-6.35E-03	-9.05E-03
5.23E+01	-1.47E-03	-6.27E-03	-8.11E-03
5.23E+01	-1.68E-03	-6.05E-03	-6.92E-03
5.23E+01	-2.39E-03	-5.90E-03	-6.01E-03
5.23E+01	-3.50E-03	-5.86E-03	-5.49E-03
5.23E+01	-4.84E-03	-5.79E-03	-5.35E-03
5.23E+01	-6.36E-03	-5.75E-03	-5.33E-03
5.23E+01	-7.85E-03	-5.61E-03	-4.87E-03
5.23E+01	-9.20E-03	-5.26E-03	-3.87E-03
5.23E+01	-1.05E-02	-4.94E-03	-2.85E-03
5.23E+01	-1.16E-02	-4.66E-03	-2.08E-03
5.23E+01	-1.27E-02	-4.53E-03	-1.75E-03
5.23E+01	-1.35E-02	-4.49E-03	-1.88E-03
5.23E+01	-1.41E-02	-4.30E-03	-2.31E-03
5.23E+01	-1.45E-02	-3.94E-03	-3.12E-03
5.23E+01	-1.47E-02	-3.29E-03	-4.13E-03
5.24E+01	-1.47E-02	-2.39E-03	-5.10E-03
5.24E+01	-1.48E-02	-1.44E-03	-6.08E-03
5.24E+01	-1.49E-02	-6.94E-04	-6.87E-03
5.24E+01	-1.52E-02	-2.93E-04	-7.37E-03
5.24E+01	-1.57E-02	-1.78E-04	-7.52E-03
5.24E+01	-1.62E-02	-3.83E-04	-7.25E-03
5.24E+01	-1.67E-02	-7.60E-04	-6.59E-03

5.24E+01	-1.71E-02	-1.10E-03	-5.55E-03
5.24E+01	-1.72E-02	-1.47E-03	-4.25E-03
5.24E+01	-1.70E-02	-1.75E-03	-2.98E-03
5.24E+01	-1.65E-02	-1.96E-03	-1.90E-03
5.24E+01	-1.59E-02	-2.08E-03	-1.20E-03
5.24E+01	-1.51E-02	-2.06E-03	-9.62E-04
5.24E+01	-1.40E-02	-2.00E-03	-1.30E-03
5.24E+01	-1.30E-02	-1.92E-03	-2.12E-03
5.24E+01	-1.21E-02	-1.88E-03	-2.92E-03
5.24E+01	-1.14E-02	-1.88E-03	-3.38E-03
5.24E+01	-1.10E-02	-2.01E-03	-3.37E-03
5.24E+01	-1.08E-02	-2.40E-03	-2.76E-03
5.24E+01	-1.10E-02	-2.98E-03	-1.67E-03
5.25E+01	-1.14E-02	-3.84E-03	-3.38E-04
5.25E+01	-1.20E-02	-4.86E-03	8.87E-04
5.25E+01	-1.28E-02	-5.96E-03	1.89E-03
5.25E+01	-1.36E-02	-7.07E-03	2.68E-03
5.25E+01	-1.43E-02	-8.05E-03	3.04E-03
5.25E+01	-1.49E-02	-8.96E-03	3.05E-03
5.25E+01	-1.53E-02	-9.63E-03	2.80E-03
5.25E+01	-1.57E-02	-1.01E-02	2.00E-03
5.25E+01	-1.59E-02	-1.07E-02	7.52E-04
5.25E+01	-1.61E-02	-1.12E-02	-4.45E-04
5.25E+01	-1.61E-02	-1.17E-02	-1.37E-03
5.25E+01	-1.61E-02	-1.22E-02	-1.96E-03
5.25E+01	-1.61E-02	-1.26E-02	-2.50E-03
5.25E+01	-1.61E-02	-1.30E-02	-3.17E-03
5.25E+01	-1.60E-02	-1.31E-02	-3.86E-03
5.25E+01	-1.59E-02	-1.30E-02	-4.58E-03
5.25E+01	-1.56E-02	-1.28E-02	-5.22E-03
5.25E+01	-1.51E-02	-1.25E-02	-5.65E-03
5.25E+01	-1.43E-02	-1.18E-02	-5.87E-03
5.25E+01	-1.32E-02	-1.10E-02	-5.79E-03
5.26E+01	-1.18E-02	-1.01E-02	-5.51E-03
5.26E+01	-1.04E-02	-9.24E-03	-5.25E-03
5.26E+01	-8.91E-03	-8.55E-03	-5.01E-03
5.26E+01	-7.66E-03	-8.07E-03	-4.79E-03
5.26E+01	-6.62E-03	-7.81E-03	-4.79E-03
5.26E+01	-5.82E-03	-7.83E-03	-5.03E-03
5.26E+01	-5.36E-03	-7.94E-03	-5.20E-03
5.26E+01	-5.11E-03	-8.06E-03	-4.99E-03
5.26E+01	-5.08E-03	-8.27E-03	-4.30E-03
5.26E+01	-5.29E-03	-8.45E-03	-3.62E-03
5.26E+01	-5.70E-03	-8.71E-03	-3.36E-03
5.26E+01	-6.19E-03	-9.02E-03	-3.49E-03
5.26E+01	-6.56E-03	-9.12E-03	-3.76E-03
5.26E+01	-6.71E-03	-9.06E-03	-3.81E-03

5.26E+01	-6.51E-03	-8.82E-03	-3.63E-03
5.26E+01	-5.92E-03	-8.53E-03	-3.34E-03
5.26E+01	-4.97E-03	-8.36E-03	-2.68E-03
5.26E+01	-3.71E-03	-8.27E-03	-1.65E-03
5.26E+01	-2.38E-03	-8.33E-03	-5.94E-04
5.26E+01	-9.84E-04	-8.55E-03	1.95E-04
5.27E+01	4.06E-04	-8.86E-03	5.47E-04
5.27E+01	1.55E-03	-9.14E-03	6.40E-04
5.27E+01	2.40E-03	-9.17E-03	6.25E-04
5.27E+01	2.89E-03	-9.09E-03	2.80E-04
5.27E+01	2.97E-03	-8.97E-03	-2.76E-04
5.27E+01	2.66E-03	-8.62E-03	-7.42E-04
5.27E+01	1.98E-03	-8.26E-03	-1.14E-03
5.27E+01	9.72E-04	-7.96E-03	-1.46E-03
5.27E+01	-2.78E-04	-7.54E-03	-1.71E-03
5.27E+01	-1.51E-03	-7.14E-03	-2.12E-03
5.27E+01	-2.60E-03	-6.81E-03	-2.63E-03
5.27E+01	-3.67E-03	-6.50E-03	-3.09E-03
5.27E+01	-4.70E-03	-6.26E-03	-3.74E-03
5.27E+01	-5.65E-03	-6.16E-03	-4.64E-03
5.27E+01	-6.57E-03	-6.22E-03	-5.38E-03
5.27E+01	-7.53E-03	-6.41E-03	-5.82E-03
5.27E+01	-8.55E-03	-6.71E-03	-5.92E-03
5.27E+01	-9.55E-03	-6.91E-03	-5.51E-03
5.27E+01	-1.05E-02	-6.92E-03	-4.79E-03
5.27E+01	-1.15E-02	-6.90E-03	-4.13E-03
5.28E+01	-1.24E-02	-6.60E-03	-3.73E-03
5.28E+01	-1.32E-02	-6.13E-03	-3.58E-03
5.28E+01	-1.39E-02	-5.48E-03	-3.49E-03
5.28E+01	-1.45E-02	-4.45E-03	-3.44E-03
5.28E+01	-1.50E-02	-3.43E-03	-3.46E-03
5.28E+01	-1.54E-02	-2.44E-03	-3.33E-03
5.28E+01	-1.55E-02	-1.52E-03	-2.91E-03
5.28E+01	-1.56E-02	-7.75E-04	-2.51E-03
5.28E+01	-1.54E-02	-3.38E-04	-2.20E-03
5.28E+01	-1.50E-02	-3.04E-04	-1.67E-03
5.28E+01	-1.43E-02	-3.42E-04	-1.02E-03
5.28E+01	-1.33E-02	-6.63E-04	-4.51E-04
5.28E+01	-1.20E-02	-1.36E-03	3.91E-04
5.28E+01	-1.06E-02	-2.02E-03	1.53E-03
5.28E+01	-9.15E-03	-2.74E-03	2.59E-03
5.28E+01	-7.81E-03	-3.63E-03	3.28E-03
5.28E+01	-6.68E-03	-4.49E-03	3.62E-03
5.28E+01	-5.73E-03	-5.22E-03	3.82E-03
5.28E+01	-5.03E-03	-5.76E-03	3.89E-03
5.28E+01	-4.55E-03	-6.12E-03	3.99E-03
5.29E+01	-4.26E-03	-6.40E-03	4.30E-03

5.29E+01	-4.01E-03	-6.54E-03	4.57E-03
5.29E+01	-3.74E-03	-6.63E-03	4.60E-03
5.29E+01	-3.49E-03	-6.82E-03	4.30E-03
5.29E+01	-3.21E-03	-7.13E-03	3.82E-03
5.29E+01	-2.83E-03	-7.47E-03	3.24E-03
5.29E+01	-2.22E-03	-7.77E-03	2.56E-03
5.29E+01	-1.40E-03	-7.94E-03	1.85E-03
5.29E+01	-4.31E-04	-7.88E-03	9.84E-04
5.29E+01	7.94E-04	-7.54E-03	1.81E-05
5.29E+01	2.25E-03	-6.88E-03	-7.01E-04
5.29E+01	3.84E-03	-5.96E-03	-1.03E-03
5.29E+01	5.40E-03	-4.90E-03	-1.03E-03
5.29E+01	6.78E-03	-3.85E-03	-8.15E-04
5.29E+01	7.90E-03	-2.94E-03	-4.20E-04
5.29E+01	8.70E-03	-2.18E-03	1.42E-04
5.29E+01	9.25E-03	-1.61E-03	5.45E-04
5.29E+01	9.62E-03	-1.30E-03	6.28E-04
5.29E+01	9.74E-03	-1.21E-03	5.77E-04
5.29E+01	9.76E-03	-1.23E-03	5.15E-04
5.30E+01	9.82E-03	-1.29E-03	5.74E-04
5.30E+01	9.79E-03	-1.41E-03	7.27E-04
5.30E+01	9.72E-03	-1.44E-03	7.92E-04
5.30E+01	9.68E-03	-1.44E-03	8.45E-04
5.30E+01	9.50E-03	-1.51E-03	9.01E-04
5.30E+01	9.11E-03	-1.54E-03	8.86E-04
5.30E+01	8.58E-03	-1.31E-03	8.84E-04
5.30E+01	7.90E-03	-7.65E-04	1.04E-03
5.30E+01	7.11E-03	8.14E-05	1.56E-03
5.30E+01	6.26E-03	1.18E-03	2.43E-03
5.30E+01	5.40E-03	2.31E-03	3.48E-03
5.30E+01	4.50E-03	3.47E-03	4.51E-03
5.30E+01	3.57E-03	4.56E-03	5.11E-03
5.30E+01	2.73E-03	5.39E-03	5.30E-03
5.30E+01	2.08E-03	6.12E-03	5.40E-03
5.30E+01	1.67E-03	6.64E-03	5.47E-03
5.30E+01	1.46E-03	6.78E-03	5.55E-03
5.30E+01	1.41E-03	6.59E-03	5.76E-03
5.30E+01	1.52E-03	5.95E-03	6.00E-03
5.30E+01	1.78E-03	4.91E-03	5.92E-03
5.31E+01	2.17E-03	3.63E-03	5.52E-03
5.31E+01	2.62E-03	2.36E-03	5.16E-03
5.31E+01	3.12E-03	1.34E-03	4.91E-03
5.31E+01	3.52E-03	4.40E-04	4.50E-03
5.31E+01	3.60E-03	-4.66E-04	3.65E-03
5.31E+01	3.35E-03	-1.33E-03	2.44E-03
5.31E+01	2.82E-03	-2.12E-03	1.33E-03
5.31E+01	2.08E-03	-2.91E-03	6.38E-04

5.31E+01	1.21E-03	-3.75E-03	3.02E-04
5.31E+01	3.62E-04	-4.52E-03	2.13E-04
5.31E+01	-2.01E-04	-5.09E-03	2.54E-04
5.31E+01	-4.09E-04	-5.53E-03	1.28E-04
5.31E+01	-2.87E-04	-5.88E-03	-3.30E-04
5.31E+01	2.33E-04	-6.09E-03	-1.06E-03
5.31E+01	1.16E-03	-6.15E-03	-1.88E-03
5.31E+01	2.34E-03	-5.96E-03	-2.50E-03
5.31E+01	3.58E-03	-5.58E-03	-2.75E-03
5.31E+01	4.76E-03	-5.10E-03	-2.64E-03
5.31E+01	5.82E-03	-4.51E-03	-2.31E-03
5.31E+01	6.56E-03	-3.99E-03	-2.03E-03
5.32E+01	6.82E-03	-3.71E-03	-1.80E-03
5.32E+01	6.57E-03	-3.63E-03	-1.49E-03
5.32E+01	5.88E-03	-3.74E-03	-1.10E-03
5.32E+01	4.85E-03	-3.97E-03	-5.18E-04
5.32E+01	3.53E-03	-4.15E-03	4.99E-04
5.32E+01	2.06E-03	-4.29E-03	1.72E-03
5.32E+01	6.15E-04	-4.40E-03	2.98E-03
5.32E+01	-7.85E-04	-4.44E-03	4.21E-03
5.32E+01	-1.94E-03	-4.35E-03	5.15E-03
5.32E+01	-2.74E-03	-4.05E-03	5.63E-03
5.32E+01	-3.31E-03	-3.64E-03	5.51E-03
5.32E+01	-3.55E-03	-3.15E-03	4.95E-03
5.32E+01	-3.43E-03	-2.60E-03	4.30E-03
5.32E+01	-3.05E-03	-2.07E-03	3.75E-03
5.32E+01	-2.59E-03	-1.49E-03	3.43E-03
5.32E+01	-2.16E-03	-8.36E-04	3.14E-03
5.32E+01	-1.84E-03	-1.47E-04	2.65E-03
5.32E+01	-1.66E-03	6.36E-04	2.02E-03
5.32E+01	-1.45E-03	1.49E-03	1.30E-03
5.32E+01	-1.05E-03	2.33E-03	5.48E-04
5.33E+01	-4.68E-04	3.20E-03	-7.08E-05
5.33E+01	2.89E-04	4.06E-03	-3.72E-04
5.33E+01	1.25E-03	4.89E-03	-2.37E-04
5.33E+01	2.38E-03	5.65E-03	1.93E-04
5.33E+01	3.52E-03	6.23E-03	5.08E-04
5.33E+01	4.57E-03	6.68E-03	4.38E-04
5.33E+01	5.53E-03	6.99E-03	1.43E-05
5.33E+01	6.47E-03	7.13E-03	-4.90E-04
5.33E+01	7.29E-03	7.15E-03	-6.59E-04
5.33E+01	7.96E-03	7.09E-03	-3.10E-04
5.33E+01	8.51E-03	6.98E-03	4.74E-04
5.33E+01	8.84E-03	6.74E-03	1.49E-03
5.33E+01	8.95E-03	6.24E-03	2.40E-03
5.33E+01	8.95E-03	5.51E-03	2.96E-03
5.33E+01	8.93E-03	4.66E-03	3.05E-03

5.33E+01	9.06E-03	3.79E-03	2.64E-03
5.33E+01	9.33E-03	3.00E-03	2.26E-03
5.33E+01	9.67E-03	2.33E-03	2.36E-03
5.33E+01	1.00E-02	1.73E-03	2.67E-03
5.33E+01	1.02E-02	1.16E-03	2.78E-03
5.34E+01	9.95E-03	5.81E-04	2.44E-03
5.34E+01	9.45E-03	3.05E-06	1.81E-03
5.34E+01	8.74E-03	-3.90E-04	1.32E-03
5.34E+01	7.94E-03	-5.37E-04	7.54E-04
5.34E+01	7.20E-03	-4.29E-04	-6.69E-05
5.34E+01	6.57E-03	2.54E-05	-9.05E-04
5.34E+01	6.17E-03	6.17E-04	-1.60E-03
5.34E+01	6.04E-03	1.14E-03	-1.82E-03
5.34E+01	6.09E-03	1.61E-03	-1.40E-03
5.34E+01	6.29E-03	1.95E-03	-6.02E-04
5.34E+01	6.60E-03	2.24E-03	5.45E-04
5.34E+01	7.04E-03	2.61E-03	1.99E-03
5.34E+01	7.55E-03	2.97E-03	3.56E-03
5.34E+01	8.04E-03	3.37E-03	4.98E-03
5.34E+01	8.51E-03	3.80E-03	5.99E-03
5.34E+01	9.00E-03	4.28E-03	6.69E-03
5.34E+01	9.41E-03	4.75E-03	7.19E-03
5.34E+01	9.62E-03	5.14E-03	7.45E-03
5.34E+01	9.58E-03	5.50E-03	7.67E-03
5.34E+01	9.32E-03	5.86E-03	7.86E-03
5.35E+01	8.72E-03	6.20E-03	7.77E-03
5.35E+01	7.55E-03	6.54E-03	7.24E-03
5.35E+01	5.82E-03	7.05E-03	6.38E-03
5.35E+01	3.74E-03	7.93E-03	5.49E-03
5.35E+01	1.49E-03	9.08E-03	4.72E-03
5.35E+01	-7.83E-04	1.03E-02	3.93E-03
5.35E+01	-2.91E-03	1.16E-02	3.17E-03
5.35E+01	-4.73E-03	1.28E-02	2.52E-03
5.35E+01	-6.16E-03	1.39E-02	1.99E-03
5.35E+01	-7.18E-03	1.49E-02	1.59E-03
5.35E+01	-7.73E-03	1.56E-02	1.35E-03
5.35E+01	-7.80E-03	1.62E-02	1.26E-03
5.35E+01	-7.47E-03	1.67E-02	1.28E-03
5.35E+01	-6.84E-03	1.67E-02	1.33E-03
5.35E+01	-6.09E-03	1.64E-02	1.35E-03
5.35E+01	-5.37E-03	1.57E-02	1.32E-03
5.35E+01	-4.76E-03	1.48E-02	1.19E-03
5.35E+01	-4.41E-03	1.37E-02	9.19E-04
5.35E+01	-4.38E-03	1.25E-02	6.43E-04
5.35E+01	-4.56E-03	1.13E-02	6.64E-04
5.36E+01	-4.94E-03	1.00E-02	8.88E-04
5.36E+01	-5.41E-03	8.64E-03	9.87E-04

5.36E+01	-5.89E-03	7.11E-03	1.02E-03
5.36E+01	-6.31E-03	5.50E-03	1.03E-03
5.36E+01	-6.52E-03	3.90E-03	8.26E-04
5.36E+01	-6.43E-03	2.46E-03	5.40E-04
5.36E+01	-5.98E-03	1.32E-03	4.36E-04
5.36E+01	-5.16E-03	5.41E-04	3.39E-04
5.36E+01	-3.91E-03	-3.19E-05	2.19E-05
5.36E+01	-2.32E-03	-4.94E-04	-3.08E-04
5.36E+01	-5.79E-04	-8.46E-04	-4.01E-04
5.36E+01	1.25E-03	-1.15E-03	-3.04E-04
5.36E+01	3.05E-03	-1.37E-03	1.06E-04
5.36E+01	4.70E-03	-1.35E-03	1.12E-03
5.36E+01	6.20E-03	-8.59E-04	2.55E-03
5.36E+01	7.44E-03	2.69E-05	3.84E-03
5.36E+01	8.33E-03	1.35E-03	4.56E-03
5.36E+01	8.79E-03	3.24E-03	4.49E-03
5.36E+01	8.78E-03	5.33E-03	3.70E-03
5.36E+01	8.57E-03	7.59E-03	2.65E-03
5.37E+01	8.25E-03	9.92E-03	1.96E-03
5.37E+01	7.72E-03	1.21E-02	1.81E-03
5.37E+01	7.01E-03	1.41E-02	1.90E-03
5.37E+01	6.18E-03	1.57E-02	1.89E-03
5.37E+01	5.31E-03	1.70E-02	1.52E-03
5.37E+01	4.48E-03	1.80E-02	7.76E-04
5.37E+01	3.76E-03	1.88E-02	-2.26E-04
5.37E+01	3.24E-03	1.95E-02	-1.38E-03
5.37E+01	2.96E-03	2.00E-02	-2.55E-03
5.37E+01	2.86E-03	2.02E-02	-3.56E-03
5.37E+01	2.92E-03	2.00E-02	-4.29E-03
5.37E+01	3.14E-03	1.93E-02	-4.73E-03
5.37E+01	3.48E-03	1.83E-02	-5.01E-03
5.37E+01	3.96E-03	1.72E-02	-5.25E-03
5.37E+01	4.48E-03	1.61E-02	-5.50E-03
5.37E+01	5.05E-03	1.54E-02	-5.57E-03
5.37E+01	5.68E-03	1.51E-02	-5.26E-03
5.37E+01	6.41E-03	1.51E-02	-4.70E-03
5.37E+01	7.14E-03	1.51E-02	-4.00E-03
5.37E+01	7.75E-03	1.49E-02	-3.00E-03
5.38E+01	8.23E-03	1.46E-02	-1.72E-03
5.38E+01	8.44E-03	1.40E-02	-7.01E-04
5.38E+01	8.48E-03	1.33E-02	-5.89E-05
5.38E+01	8.45E-03	1.26E-02	5.11E-04
5.38E+01	8.32E-03	1.19E-02	7.39E-04
5.38E+01	8.21E-03	1.13E-02	4.47E-04
5.38E+01	8.13E-03	1.08E-02	-7.67E-05
5.38E+01	8.11E-03	1.04E-02	-5.72E-04
5.38E+01	8.16E-03	1.02E-02	-8.76E-04

5.38E+01	8.24E-03	9.90E-03	-1.17E-03
5.38E+01	8.35E-03	9.51E-03	-1.38E-03
5.38E+01	8.51E-03	9.14E-03	-1.15E-03
5.38E+01	8.73E-03	8.71E-03	-7.61E-04
5.38E+01	9.02E-03	8.16E-03	-5.70E-04
5.38E+01	9.34E-03	7.67E-03	-6.09E-04
5.38E+01	9.65E-03	7.43E-03	-7.85E-04
5.38E+01	1.00E-02	7.63E-03	-9.24E-04
5.38E+01	1.05E-02	8.14E-03	-1.19E-03
5.38E+01	1.11E-02	8.78E-03	-1.57E-03
5.38E+01	1.17E-02	9.45E-03	-1.72E-03
5.39E+01	1.23E-02	1.01E-02	-1.42E-03
5.39E+01	1.29E-02	1.07E-02	-5.87E-04
5.39E+01	1.32E-02	1.11E-02	4.93E-04
5.39E+01	1.34E-02	1.13E-02	1.36E-03
5.39E+01	1.32E-02	1.14E-02	1.77E-03
5.39E+01	1.28E-02	1.17E-02	1.51E-03
5.39E+01	1.23E-02	1.20E-02	5.78E-04
5.39E+01	1.17E-02	1.25E-02	-6.36E-04
5.39E+01	1.10E-02	1.30E-02	-1.80E-03
5.39E+01	1.05E-02	1.35E-02	-2.69E-03
5.39E+01	9.96E-03	1.39E-02	-3.13E-03
5.39E+01	9.56E-03	1.40E-02	-3.43E-03
5.39E+01	9.29E-03	1.38E-02	-3.84E-03
5.39E+01	9.10E-03	1.33E-02	-4.21E-03
5.39E+01	9.00E-03	1.27E-02	-4.75E-03
5.39E+01	8.97E-03	1.21E-02	-5.64E-03
5.39E+01	9.05E-03	1.15E-02	-6.54E-03
5.39E+01	9.30E-03	1.12E-02	-7.00E-03
5.39E+01	9.64E-03	1.09E-02	-6.91E-03
5.39E+01	9.93E-03	1.04E-02	-6.56E-03
5.40E+01	1.02E-02	9.77E-03	-5.91E-03
5.40E+01	1.04E-02	9.06E-03	-4.88E-03
5.40E+01	1.06E-02	8.12E-03	-4.02E-03
5.40E+01	1.06E-02	7.05E-03	-3.69E-03
5.40E+01	1.06E-02	5.96E-03	-3.61E-03
5.40E+01	1.06E-02	4.96E-03	-3.55E-03
5.40E+01	1.05E-02	4.14E-03	-3.62E-03
5.40E+01	1.01E-02	3.42E-03	-3.80E-03
5.40E+01	9.50E-03	2.71E-03	-3.88E-03
5.40E+01	8.78E-03	2.07E-03	-3.82E-03
5.40E+01	7.92E-03	1.38E-03	-3.75E-03
5.40E+01	6.98E-03	6.65E-04	-3.57E-03
5.40E+01	6.08E-03	2.46E-05	-3.20E-03
5.40E+01	5.31E-03	-3.16E-04	-2.67E-03
5.40E+01	4.77E-03	-2.84E-04	-2.13E-03
5.40E+01	4.31E-03	-1.68E-04	-1.75E-03

5.40E+01	4.04E-03	2.09E-04	-1.63E-03
5.40E+01	4.03E-03	9.75E-04	-1.73E-03
5.40E+01	4.08E-03	1.80E-03	-2.10E-03
5.40E+01	4.26E-03	2.63E-03	-2.64E-03
5.41E+01	4.38E-03	3.46E-03	-2.94E-03
5.41E+01	4.29E-03	4.29E-03	-3.01E-03
5.41E+01	4.14E-03	5.08E-03	-3.14E-03
5.41E+01	3.87E-03	5.69E-03	-3.13E-03
5.41E+01	3.54E-03	6.19E-03	-2.79E-03
5.41E+01	3.27E-03	6.69E-03	-2.08E-03
5.41E+01	3.10E-03	7.23E-03	-1.11E-03
5.41E+01	2.99E-03	7.67E-03	-1.43E-04
5.41E+01	2.86E-03	7.92E-03	6.81E-04
5.41E+01	2.84E-03	8.04E-03	1.11E-03
5.41E+01	2.91E-03	7.93E-03	1.28E-03
5.41E+01	2.96E-03	7.56E-03	1.66E-03
5.41E+01	3.03E-03	6.98E-03	2.27E-03
5.41E+01	3.02E-03	6.22E-03	3.10E-03
5.41E+01	2.99E-03	5.37E-03	4.13E-03
5.41E+01	2.91E-03	4.57E-03	5.13E-03
5.41E+01	2.63E-03	3.90E-03	5.85E-03
5.41E+01	2.29E-03	3.40E-03	6.31E-03
5.41E+01	1.86E-03	3.22E-03	6.53E-03
5.41E+01	1.22E-03	3.29E-03	6.20E-03
5.42E+01	3.55E-04	3.28E-03	5.18E-03
5.42E+01	-6.58E-04	3.37E-03	3.77E-03
5.42E+01	-1.65E-03	3.57E-03	2.38E-03
5.42E+01	-2.65E-03	3.61E-03	1.27E-03
5.42E+01	-3.81E-03	3.65E-03	2.62E-04
5.42E+01	-4.99E-03	3.62E-03	-9.42E-04
5.42E+01	-5.95E-03	3.52E-03	-2.28E-03
5.42E+01	-6.68E-03	3.65E-03	-3.57E-03
5.42E+01	-7.29E-03	3.99E-03	-4.93E-03
5.42E+01	-7.66E-03	4.26E-03	-6.33E-03
5.42E+01	-7.57E-03	4.72E-03	-7.47E-03
5.42E+01	-7.16E-03	5.37E-03	-8.22E-03
5.42E+01	-6.62E-03	5.82E-03	-8.50E-03
5.42E+01	-5.94E-03	6.08E-03	-8.34E-03
5.42E+01	-5.17E-03	5.99E-03	-7.78E-03
5.42E+01	-4.38E-03	5.70E-03	-6.78E-03
5.42E+01	-3.61E-03	5.18E-03	-5.68E-03
5.42E+01	-2.81E-03	4.17E-03	-4.81E-03
5.42E+01	-2.02E-03	3.25E-03	-4.20E-03
5.42E+01	-1.22E-03	2.61E-03	-3.81E-03
5.43E+01	-3.42E-04	2.00E-03	-3.31E-03
5.43E+01	4.92E-04	1.62E-03	-2.54E-03
5.43E+01	1.13E-03	1.36E-03	-2.13E-03

5.43E+01	1.53E-03	9.29E-04	-2.43E-03
5.43E+01	1.64E-03	5.39E-04	-3.21E-03
5.43E+01	1.40E-03	1.41E-04	-4.30E-03
5.43E+01	9.09E-04	-3.85E-04	-5.26E-03
5.43E+01	3.65E-04	-7.23E-04	-5.55E-03
5.43E+01	-3.37E-04	-9.89E-04	-5.18E-03
5.43E+01	-1.18E-03	-1.36E-03	-4.35E-03
5.43E+01	-1.97E-03	-1.83E-03	-3.20E-03
5.43E+01	-2.68E-03	-2.43E-03	-1.88E-03
5.43E+01	-3.29E-03	-3.11E-03	-7.39E-04
5.43E+01	-3.79E-03	-3.81E-03	-7.93E-05
5.43E+01	-4.08E-03	-4.33E-03	1.55E-04
5.43E+01	-4.24E-03	-4.57E-03	8.98E-05
5.43E+01	-4.34E-03	-4.38E-03	-3.00E-04
5.43E+01	-4.35E-03	-3.79E-03	-8.00E-04
5.43E+01	-4.30E-03	-2.95E-03	-1.06E-03
5.43E+01	-4.29E-03	-1.97E-03	-1.11E-03
5.44E+01	-4.42E-03	-1.16E-03	-1.15E-03
5.44E+01	-4.59E-03	-5.27E-04	-1.19E-03
5.44E+01	-4.74E-03	5.21E-05	-1.19E-03
5.44E+01	-4.81E-03	5.99E-04	-1.08E-03
5.44E+01	-4.58E-03	1.10E-03	-9.18E-04
5.44E+01	-4.12E-03	1.53E-03	-7.23E-04
5.44E+01	-3.47E-03	1.98E-03	-5.20E-04
5.44E+01	-2.61E-03	2.32E-03	-5.25E-04
5.44E+01	-1.67E-03	2.61E-03	-7.92E-04
5.44E+01	-7.52E-04	2.79E-03	-1.18E-03
5.44E+01	1.20E-04	2.67E-03	-1.54E-03
5.44E+01	9.04E-04	2.38E-03	-1.65E-03
5.44E+01	1.42E-03	2.01E-03	-1.62E-03
5.44E+01	1.60E-03	1.68E-03	-1.84E-03
5.44E+01	1.50E-03	1.44E-03	-2.19E-03
5.44E+01	1.14E-03	1.43E-03	-2.04E-03
5.44E+01	4.97E-04	1.78E-03	-1.19E-03
5.44E+01	-4.17E-04	2.24E-03	1.72E-06
5.44E+01	-1.45E-03	2.70E-03	1.31E-03
5.44E+01	-2.57E-03	2.98E-03	2.29E-03
5.45E+01	-3.79E-03	2.78E-03	2.65E-03
5.45E+01	-5.05E-03	2.09E-03	2.55E-03
5.45E+01	-6.14E-03	9.77E-04	2.04E-03
5.45E+01	-6.84E-03	-3.18E-04	1.53E-03
5.45E+01	-7.22E-03	-1.70E-03	1.53E-03
5.45E+01	-7.24E-03	-3.11E-03	2.18E-03
5.45E+01	-6.93E-03	-4.32E-03	3.54E-03
5.45E+01	-6.38E-03	-5.50E-03	5.27E-03
5.45E+01	-5.71E-03	-6.64E-03	6.79E-03
5.45E+01	-5.09E-03	-7.78E-03	7.67E-03

5.45E+01	-4.53E-03	-9.09E-03	7.94E-03
5.45E+01	-3.95E-03	-1.03E-02	8.01E-03
5.45E+01	-3.45E-03	-1.13E-02	8.18E-03
5.45E+01	-3.14E-03	-1.22E-02	8.29E-03
5.45E+01	-2.93E-03	-1.29E-02	8.05E-03
5.45E+01	-2.82E-03	-1.35E-02	7.71E-03
5.45E+01	-2.74E-03	-1.38E-02	7.62E-03
5.45E+01	-2.58E-03	-1.39E-02	7.75E-03
5.45E+01	-2.37E-03	-1.38E-02	7.90E-03
5.45E+01	-2.02E-03	-1.33E-02	7.75E-03
5.46E+01	-1.58E-03	-1.25E-02	7.11E-03
5.46E+01	-1.05E-03	-1.15E-02	6.05E-03
5.46E+01	-3.49E-04	-1.02E-02	4.88E-03
5.46E+01	4.36E-04	-8.78E-03	4.01E-03
5.46E+01	1.24E-03	-7.28E-03	3.58E-03
5.46E+01	1.88E-03	-5.85E-03	3.60E-03
5.46E+01	2.30E-03	-4.59E-03	3.93E-03
5.46E+01	2.66E-03	-3.59E-03	4.12E-03
5.46E+01	3.00E-03	-2.91E-03	4.02E-03
5.46E+01	3.22E-03	-2.54E-03	3.74E-03
5.46E+01	3.36E-03	-2.41E-03	3.42E-03
5.46E+01	3.38E-03	-2.40E-03	3.14E-03
5.46E+01	3.27E-03	-2.44E-03	2.64E-03
5.46E+01	3.03E-03	-2.46E-03	1.89E-03
5.46E+01	2.71E-03	-2.48E-03	1.17E-03
5.46E+01	2.48E-03	-2.51E-03	5.56E-04
5.46E+01	2.34E-03	-2.49E-03	8.39E-05
5.46E+01	2.10E-03	-2.56E-03	-3.52E-04
5.46E+01	1.87E-03	-2.72E-03	-8.66E-04
5.46E+01	1.51E-03	-2.87E-03	-1.44E-03
5.47E+01	9.45E-04	-3.16E-03	-2.03E-03
5.47E+01	3.26E-04	-3.59E-03	-2.32E-03
5.47E+01	-3.79E-04	-4.26E-03	-2.17E-03
5.47E+01	-1.05E-03	-5.11E-03	-1.89E-03
5.47E+01	-1.52E-03	-6.02E-03	-1.51E-03
5.47E+01	-1.79E-03	-7.02E-03	-8.11E-04
5.47E+01	-1.74E-03	-8.05E-03	2.43E-04
5.47E+01	-1.40E-03	-9.15E-03	1.51E-03
5.47E+01	-8.39E-04	-1.02E-02	2.67E-03
5.47E+01	-1.89E-04	-1.13E-02	3.49E-03
5.47E+01	2.91E-04	-1.23E-02	3.99E-03
5.47E+01	6.26E-04	-1.30E-02	4.15E-03
5.47E+01	8.18E-04	-1.33E-02	4.18E-03
5.47E+01	6.94E-04	-1.33E-02	4.16E-03
5.47E+01	3.91E-04	-1.30E-02	3.81E-03
5.47E+01	-1.60E-05	-1.25E-02	3.48E-03
5.47E+01	-4.42E-04	-1.18E-02	3.52E-03

5.47E+01	-7.97E-04	-1.11E-02	3.92E-03
5.47E+01	-1.18E-03	-1.07E-02	4.42E-03
5.47E+01	-1.51E-03	-1.06E-02	4.64E-03
5.48E+01	-1.79E-03	-1.06E-02	4.84E-03
5.48E+01	-2.09E-03	-1.07E-02	4.96E-03
5.48E+01	-2.29E-03	-1.08E-02	4.62E-03
5.48E+01	-2.27E-03	-1.07E-02	4.07E-03
5.48E+01	-2.01E-03	-1.03E-02	3.51E-03
5.48E+01	-1.64E-03	-9.69E-03	2.99E-03
5.48E+01	-1.36E-03	-8.95E-03	2.77E-03
5.48E+01	-1.15E-03	-8.13E-03	2.89E-03
5.48E+01	-1.02E-03	-7.34E-03	3.19E-03
5.48E+01	-1.14E-03	-6.69E-03	3.50E-03
5.48E+01	-1.49E-03	-6.33E-03	3.67E-03
5.48E+01	-1.91E-03	-6.20E-03	3.85E-03
5.48E+01	-2.25E-03	-6.16E-03	4.30E-03
5.48E+01	-2.55E-03	-6.23E-03	5.06E-03
5.48E+01	-2.76E-03	-6.48E-03	6.14E-03
5.48E+01	-2.85E-03	-6.93E-03	7.29E-03
5.48E+01	-2.87E-03	-7.62E-03	8.10E-03
5.48E+01	-2.87E-03	-8.42E-03	8.34E-03
5.48E+01	-2.87E-03	-9.25E-03	7.87E-03
5.48E+01	-2.86E-03	-1.00E-02	6.93E-03
5.49E+01	-2.84E-03	-1.05E-02	5.83E-03
5.49E+01	-2.80E-03	-1.05E-02	4.54E-03
5.49E+01	-2.72E-03	-1.01E-02	3.21E-03
5.49E+01	-2.56E-03	-9.27E-03	2.10E-03
5.49E+01	-2.22E-03	-8.17E-03	1.33E-03
5.49E+01	-1.77E-03	-6.98E-03	9.81E-04
5.49E+01	-1.25E-03	-5.92E-03	8.63E-04
5.49E+01	-5.58E-04	-5.03E-03	8.78E-04
5.49E+01	2.24E-04	-4.26E-03	8.32E-04
5.49E+01	9.61E-04	-3.66E-03	5.13E-04
5.49E+01	1.61E-03	-3.13E-03	2.68E-04
5.49E+01	2.14E-03	-2.56E-03	3.36E-04
5.49E+01	2.60E-03	-1.95E-03	6.85E-04
5.49E+01	2.95E-03	-1.28E-03	1.33E-03
5.49E+01	3.08E-03	-6.44E-04	1.99E-03
5.49E+01	3.06E-03	-1.80E-04	2.38E-03
5.49E+01	3.01E-03	1.06E-04	2.77E-03
5.49E+01	2.91E-03	1.16E-04	3.39E-03
5.49E+01	2.73E-03	-2.40E-04	4.22E-03
5.49E+01	2.34E-03	-9.12E-04	5.11E-03
5.50E+01	1.69E-03	-1.74E-03	5.84E-03
5.50E+01	8.88E-04	-2.49E-03	6.35E-03
5.50E+01	-3.20E-05	-3.09E-03	6.59E-03
5.50E+01	-8.67E-04	-3.45E-03	6.49E-03

5.50E+01	-1.35E-03	-3.43E-03	6.38E-03
5.50E+01	-1.46E-03	-3.07E-03	6.38E-03
5.50E+01	-1.21E-03	-2.40E-03	6.34E-03
5.50E+01	-6.21E-04	-1.53E-03	6.30E-03
5.50E+01	2.49E-04	-5.71E-04	6.30E-03
5.50E+01	1.22E-03	3.74E-04	6.21E-03
5.50E+01	2.01E-03	1.12E-03	5.84E-03
5.50E+01	2.47E-03	1.70E-03	5.17E-03
5.50E+01	2.72E-03	2.23E-03	4.40E-03
5.50E+01	2.79E-03	2.76E-03	3.75E-03
5.50E+01	2.62E-03	3.27E-03	3.26E-03
5.50E+01	2.14E-03	3.54E-03	2.73E-03
5.50E+01	1.33E-03	3.47E-03	1.97E-03
5.50E+01	2.51E-04	3.14E-03	1.06E-03
5.50E+01	-1.04E-03	2.64E-03	1.56E-04
5.50E+01	-2.37E-03	2.11E-03	-6.18E-04
5.51E+01	-3.58E-03	1.82E-03	-1.01E-03
5.51E+01	-4.62E-03	1.84E-03	-8.97E-04
5.51E+01	-5.47E-03	2.05E-03	-3.56E-04
5.51E+01	-6.14E-03	2.43E-03	6.48E-04
5.51E+01	-6.67E-03	2.87E-03	1.78E-03
5.51E+01	-7.10E-03	3.27E-03	2.53E-03
5.51E+01	-7.46E-03	3.66E-03	2.78E-03
5.51E+01	-7.66E-03	4.06E-03	2.74E-03
5.51E+01	-7.63E-03	4.57E-03	2.56E-03
5.51E+01	-7.38E-03	5.23E-03	2.25E-03
5.51E+01	-7.02E-03	5.95E-03	1.98E-03
5.51E+01	-6.69E-03	6.71E-03	1.88E-03
5.51E+01	-6.45E-03	7.33E-03	1.83E-03
5.51E+01	-6.37E-03	7.78E-03	1.79E-03
5.51E+01	-6.46E-03	8.13E-03	1.67E-03
5.51E+01	-6.70E-03	8.44E-03	1.33E-03
5.51E+01	-7.02E-03	8.76E-03	7.99E-04
5.51E+01	-7.38E-03	9.17E-03	2.29E-04
5.51E+01	-7.74E-03	9.72E-03	-3.20E-04
5.51E+01	-8.00E-03	1.04E-02	-9.50E-04
5.52E+01	-8.09E-03	1.12E-02	-1.52E-03
5.52E+01	-7.98E-03	1.21E-02	-1.94E-03
5.52E+01	-7.68E-03	1.27E-02	-2.43E-03
5.52E+01	-7.24E-03	1.31E-02	-3.30E-03
5.52E+01	-6.72E-03	1.33E-02	-4.55E-03
5.52E+01	-6.15E-03	1.35E-02	-5.94E-03
5.52E+01	-5.60E-03	1.34E-02	-7.24E-03
5.52E+01	-5.21E-03	1.33E-02	-7.97E-03
5.52E+01	-4.98E-03	1.30E-02	-7.63E-03
5.52E+01	-4.93E-03	1.26E-02	-6.35E-03
5.52E+01	-5.17E-03	1.21E-02	-4.93E-03

5.52E+01	-5.69E-03	1.15E-02	-4.21E-03
5.52E+01	-6.36E-03	1.07E-02	-4.21E-03
5.52E+01	-6.98E-03	1.01E-02	-4.45E-03
5.52E+01	-7.44E-03	9.52E-03	-4.55E-03
5.52E+01	-7.70E-03	9.03E-03	-4.29E-03
5.52E+01	-7.72E-03	8.62E-03	-3.79E-03
5.52E+01	-7.53E-03	8.20E-03	-3.27E-03
5.52E+01	-7.31E-03	7.66E-03	-2.97E-03
5.52E+01	-7.14E-03	6.99E-03	-3.18E-03
5.53E+01	-7.04E-03	6.16E-03	-3.87E-03
5.53E+01	-7.00E-03	5.30E-03	-4.76E-03
5.53E+01	-7.03E-03	4.52E-03	-5.64E-03
5.53E+01	-7.09E-03	3.81E-03	-6.24E-03
5.53E+01	-7.09E-03	3.18E-03	-6.18E-03
5.53E+01	-6.94E-03	2.59E-03	-5.53E-03
5.53E+01	-6.75E-03	1.98E-03	-4.67E-03
5.53E+01	-6.61E-03	1.24E-03	-4.01E-03
5.53E+01	-6.41E-03	4.59E-04	-3.77E-03
5.53E+01	-6.04E-03	-1.54E-04	-3.66E-03
5.53E+01	-5.43E-03	-4.95E-04	-3.42E-03
5.53E+01	-4.65E-03	-5.37E-04	-2.93E-03
5.53E+01	-3.77E-03	-4.12E-04	-2.20E-03
5.53E+01	-2.83E-03	-2.23E-04	-1.57E-03
5.53E+01	-1.94E-03	-2.73E-05	-1.18E-03
5.53E+01	-1.18E-03	8.79E-05	-1.01E-03
5.53E+01	-4.66E-04	2.07E-04	-8.66E-04
5.53E+01	2.54E-04	4.37E-04	-3.77E-04
5.53E+01	8.96E-04	7.91E-04	5.79E-04
5.53E+01	1.40E-03	1.17E-03	1.75E-03
5.54E+01	1.74E-03	1.49E-03	2.83E-03
5.54E+01	1.90E-03	1.74E-03	3.64E-03
5.54E+01	1.92E-03	1.89E-03	3.96E-03
5.54E+01	1.76E-03	1.92E-03	3.77E-03
5.54E+01	1.45E-03	1.85E-03	3.23E-03
5.54E+01	1.08E-03	1.71E-03	2.54E-03
5.54E+01	6.96E-04	1.62E-03	1.88E-03
5.54E+01	3.01E-04	1.58E-03	1.27E-03
5.54E+01	-1.52E-04	1.57E-03	7.33E-04
5.54E+01	-6.43E-04	1.63E-03	1.18E-04
5.54E+01	-1.15E-03	1.83E-03	-6.95E-04
5.54E+01	-1.70E-03	2.10E-03	-1.50E-03
5.54E+01	-2.22E-03	2.46E-03	-2.12E-03
5.54E+01	-2.68E-03	2.92E-03	-2.41E-03
5.54E+01	-3.16E-03	3.23E-03	-2.36E-03
5.54E+01	-3.69E-03	3.25E-03	-2.08E-03
5.54E+01	-4.20E-03	3.06E-03	-1.54E-03
5.54E+01	-4.73E-03	2.67E-03	-8.54E-04

5.54E+01	-5.19E-03	2.22E-03	-2.31E-04
5.54E+01	-5.55E-03	1.86E-03	2.59E-04
5.55E+01	-5.73E-03	1.71E-03	6.16E-04
5.55E+01	-5.65E-03	1.88E-03	8.64E-04
5.55E+01	-5.39E-03	2.25E-03	8.70E-04
5.55E+01	-5.04E-03	2.70E-03	5.59E-04
5.55E+01	-4.72E-03	3.14E-03	1.15E-04
5.55E+01	-4.48E-03	3.46E-03	-2.71E-04
5.55E+01	-4.20E-03	3.68E-03	-3.61E-04
5.55E+01	-3.86E-03	3.76E-03	-1.34E-05
5.55E+01	-3.49E-03	3.61E-03	5.49E-04
5.55E+01	-3.11E-03	3.32E-03	1.01E-03
5.55E+01	-2.71E-03	3.00E-03	1.27E-03
5.55E+01	-2.27E-03	2.76E-03	1.20E-03
5.55E+01	-1.82E-03	2.69E-03	5.99E-04
5.55E+01	-1.36E-03	2.91E-03	-2.39E-04
5.55E+01	-8.95E-04	3.55E-03	-8.08E-04
5.55E+01	-4.93E-04	4.49E-03	-9.67E-04
5.55E+01	-2.88E-04	5.52E-03	-9.31E-04
5.55E+01	-2.87E-04	6.48E-03	-9.04E-04
5.55E+01	-4.72E-04	7.26E-03	-8.88E-04
5.55E+01	-8.95E-04	7.80E-03	-9.80E-04
5.56E+01	-1.52E-03	8.07E-03	-1.23E-03
5.56E+01	-2.28E-03	8.02E-03	-1.54E-03
5.56E+01	-3.04E-03	7.79E-03	-1.81E-03
5.56E+01	-3.83E-03	7.34E-03	-1.94E-03
5.56E+01	-4.68E-03	6.61E-03	-1.86E-03
5.56E+01	-5.45E-03	5.62E-03	-1.33E-03
5.56E+01	-6.11E-03	4.43E-03	-3.50E-04
5.56E+01	-6.59E-03	3.08E-03	5.75E-04
5.56E+01	-6.91E-03	1.52E-03	1.07E-03
5.56E+01	-7.04E-03	2.99E-05	1.15E-03
5.56E+01	-6.90E-03	-1.31E-03	9.71E-04
5.56E+01	-6.51E-03	-2.56E-03	5.40E-04
5.56E+01	-5.93E-03	-3.53E-03	5.72E-07
5.56E+01	-5.21E-03	-4.22E-03	-3.36E-04
5.56E+01	-4.32E-03	-4.60E-03	-4.78E-04
5.56E+01	-3.46E-03	-4.96E-03	-7.34E-04
5.56E+01	-2.77E-03	-5.42E-03	-1.25E-03
5.56E+01	-2.12E-03	-5.93E-03	-1.68E-03
5.56E+01	-1.46E-03	-6.41E-03	-1.78E-03
5.56E+01	-8.41E-04	-6.57E-03	-1.77E-03
5.57E+01	-2.81E-04	-6.56E-03	-1.60E-03
5.57E+01	2.55E-04	-6.30E-03	-1.21E-03
5.57E+01	7.58E-04	-5.81E-03	-8.51E-04
5.57E+01	1.13E-03	-5.44E-03	-7.86E-04
5.57E+01	1.33E-03	-5.41E-03	-1.19E-03

5.57E+01	1.45E-03	-5.66E-03	-1.83E-03
5.57E+01	1.57E-03	-6.23E-03	-2.45E-03
5.57E+01	1.69E-03	-7.06E-03	-2.81E-03
5.57E+01	1.83E-03	-7.94E-03	-2.84E-03
5.57E+01	1.98E-03	-8.92E-03	-2.66E-03
5.57E+01	2.20E-03	-9.67E-03	-2.30E-03
5.57E+01	2.50E-03	-1.02E-02	-2.26E-03
5.57E+01	2.83E-03	-1.07E-02	-2.51E-03
5.57E+01	3.22E-03	-1.09E-02	-2.57E-03
5.57E+01	3.61E-03	-1.07E-02	-2.67E-03
5.57E+01	4.12E-03	-1.02E-02	-2.87E-03
5.57E+01	4.71E-03	-9.67E-03	-3.15E-03
5.57E+01	5.17E-03	-9.14E-03	-3.61E-03
5.57E+01	5.57E-03	-8.39E-03	-4.08E-03
5.57E+01	5.92E-03	-7.75E-03	-4.55E-03
5.58E+01	6.15E-03	-7.34E-03	-5.13E-03
5.58E+01	6.19E-03	-7.12E-03	-5.55E-03
5.58E+01	6.02E-03	-7.04E-03	-5.73E-03
5.58E+01	5.74E-03	-7.00E-03	-5.58E-03
5.58E+01	5.39E-03	-7.19E-03	-4.96E-03
5.58E+01	4.84E-03	-7.58E-03	-4.33E-03
5.58E+01	4.12E-03	-8.21E-03	-3.97E-03
5.58E+01	3.33E-03	-8.99E-03	-3.76E-03
5.58E+01	2.47E-03	-9.51E-03	-3.99E-03
5.58E+01	1.77E-03	-9.97E-03	-4.43E-03
5.58E+01	1.21E-03	-1.03E-02	-4.76E-03
5.58E+01	7.96E-04	-1.02E-02	-5.17E-03
5.58E+01	6.63E-04	-1.01E-02	-5.60E-03
5.58E+01	5.80E-04	-9.83E-03	-6.33E-03
5.58E+01	5.98E-04	-9.29E-03	-7.30E-03
5.58E+01	8.45E-04	-8.45E-03	-7.85E-03
5.58E+01	1.10E-03	-7.32E-03	-7.95E-03
5.58E+01	1.49E-03	-5.76E-03	-7.86E-03
5.58E+01	1.95E-03	-4.07E-03	-7.77E-03
5.58E+01	2.41E-03	-2.38E-03	-7.74E-03
5.59E+01	2.95E-03	-6.46E-04	-7.31E-03
5.59E+01	3.37E-03	8.35E-04	-6.46E-03
5.59E+01	3.86E-03	2.15E-03	-5.83E-03
5.59E+01	4.46E-03	3.17E-03	-5.45E-03
5.59E+01	5.03E-03	3.90E-03	-4.98E-03
5.59E+01	5.61E-03	4.54E-03	-4.77E-03
5.59E+01	6.08E-03	4.88E-03	-5.28E-03
5.59E+01	6.62E-03	4.93E-03	-5.76E-03
5.59E+01	7.06E-03	4.87E-03	-5.38E-03
5.59E+01	7.12E-03	4.88E-03	-4.69E-03
5.59E+01	7.08E-03	4.83E-03	-4.41E-03
5.59E+01	6.82E-03	4.60E-03	-4.17E-03

5.59E+01	6.27E-03	4.56E-03	-3.93E-03
5.59E+01	5.60E-03	4.57E-03	-4.26E-03
5.59E+01	4.84E-03	4.34E-03	-4.96E-03
5.59E+01	4.14E-03	4.06E-03	-5.53E-03
5.59E+01	3.55E-03	3.63E-03	-5.59E-03
5.59E+01	2.94E-03	2.94E-03	-4.89E-03
5.59E+01	2.18E-03	2.20E-03	-3.85E-03
5.59E+01	1.32E-03	1.03E-03	-2.83E-03
5.60E+01	5.54E-04	-5.26E-04	-1.94E-03
5.60E+01	-1.88E-04	-2.07E-03	-1.37E-03
5.60E+01	-8.92E-04	-3.66E-03	-1.04E-03
5.60E+01	-1.29E-03	-4.95E-03	-9.59E-04
5.60E+01	-1.47E-03	-5.91E-03	-1.26E-03
5.60E+01	-1.48E-03	-6.72E-03	-1.88E-03
5.60E+01	-1.17E-03	-7.26E-03	-2.59E-03
5.60E+01	-5.53E-04	-7.72E-03	-3.09E-03
5.60E+01	1.56E-04	-8.15E-03	-3.12E-03
5.60E+01	8.79E-04	-8.48E-03	-2.85E-03
5.60E+01	1.58E-03	-8.73E-03	-2.54E-03
5.60E+01	2.12E-03	-8.78E-03	-2.12E-03
5.60E+01	2.53E-03	-8.56E-03	-1.66E-03
5.60E+01	2.76E-03	-8.10E-03	-1.39E-03
5.60E+01	2.65E-03	-7.40E-03	-1.19E-03
5.60E+01	2.24E-03	-6.60E-03	-9.06E-04
5.60E+01	1.50E-03	-5.64E-03	-6.63E-04
5.60E+01	3.60E-04	-4.59E-03	-3.96E-04
5.60E+01	-1.02E-03	-3.59E-03	-1.11E-04
5.60E+01	-2.48E-03	-2.59E-03	-4.16E-05
5.61E+01	-3.93E-03	-1.77E-03	-8.09E-05
5.61E+01	-5.24E-03	-9.68E-04	-1.64E-04
5.61E+01	-6.28E-03	-2.38E-04	-5.23E-04
5.61E+01	-7.02E-03	2.76E-04	-1.09E-03
5.61E+01	-7.50E-03	8.21E-04	-1.75E-03
5.61E+01	-7.68E-03	1.13E-03	-2.37E-03
5.61E+01	-7.56E-03	1.13E-03	-2.75E-03
5.61E+01	-7.24E-03	9.70E-04	-3.07E-03
5.61E+01	-6.78E-03	6.57E-04	-3.48E-03
5.61E+01	-6.24E-03	3.02E-04	-3.94E-03
5.61E+01	-5.75E-03	-5.72E-07	-4.48E-03
5.61E+01	-5.25E-03	-1.74E-05	-4.80E-03
5.61E+01	-4.82E-03	2.84E-04	-4.59E-03
5.61E+01	-4.48E-03	7.79E-04	-3.93E-03
5.61E+01	-4.20E-03	1.41E-03	-2.98E-03
5.61E+01	-4.00E-03	1.97E-03	-1.96E-03
5.61E+01	-3.72E-03	2.31E-03	-9.91E-04
5.61E+01	-3.38E-03	2.34E-03	-1.26E-04
5.61E+01	-2.98E-03	2.02E-03	2.81E-04

5.61E+01	-2.45E-03	1.39E-03	2.69E-05
5.62E+01	-1.71E-03	6.31E-04	-5.48E-04
5.62E+01	-6.62E-04	-2.29E-04	-1.10E-03
5.62E+01	7.02E-04	-1.15E-03	-1.29E-03
5.62E+01	2.31E-03	-2.01E-03	-1.02E-03
5.62E+01	4.05E-03	-2.79E-03	-3.85E-04
5.62E+01	5.76E-03	-3.38E-03	7.16E-04
5.62E+01	7.29E-03	-3.77E-03	1.99E-03
5.62E+01	8.55E-03	-4.07E-03	2.97E-03
5.62E+01	9.52E-03	-4.30E-03	3.38E-03
5.62E+01	1.01E-02	-4.52E-03	2.99E-03
5.62E+01	1.03E-02	-4.74E-03	1.95E-03
5.62E+01	1.03E-02	-4.92E-03	7.33E-04
5.62E+01	9.95E-03	-5.12E-03	-4.11E-04
5.62E+01	9.38E-03	-5.35E-03	-1.43E-03
5.62E+01	8.55E-03	-5.58E-03	-2.23E-03
5.62E+01	7.56E-03	-5.86E-03	-2.86E-03
5.62E+01	6.53E-03	-6.20E-03	-3.47E-03
5.62E+01	5.56E-03	-6.55E-03	-4.19E-03
5.62E+01	4.66E-03	-6.83E-03	-4.92E-03
5.62E+01	3.90E-03	-7.03E-03	-5.29E-03
5.63E+01	3.34E-03	-7.15E-03	-5.05E-03
5.63E+01	2.86E-03	-7.27E-03	-4.47E-03
5.63E+01	2.43E-03	-7.54E-03	-3.84E-03
5.63E+01	2.08E-03	-7.92E-03	-3.02E-03
5.63E+01	1.90E-03	-8.15E-03	-2.00E-03
5.63E+01	1.86E-03	-8.29E-03	-1.11E-03
5.63E+01	1.88E-03	-8.25E-03	-6.34E-04
5.63E+01	1.97E-03	-7.89E-03	-5.56E-04
5.63E+01	2.15E-03	-7.17E-03	-5.25E-04
5.63E+01	2.42E-03	-6.13E-03	-1.97E-04
5.63E+01	2.60E-03	-5.04E-03	3.00E-04
5.63E+01	2.57E-03	-4.14E-03	6.32E-04
5.63E+01	2.52E-03	-3.31E-03	8.40E-04
5.63E+01	2.54E-03	-2.47E-03	1.01E-03
5.63E+01	2.67E-03	-1.65E-03	8.71E-04
5.63E+01	2.96E-03	-6.66E-04	4.29E-04
5.63E+01	3.41E-03	6.04E-04	-5.49E-05
5.63E+01	4.07E-03	2.08E-03	-5.32E-04
5.63E+01	4.73E-03	3.57E-03	-1.08E-03
5.63E+01	5.29E-03	4.86E-03	-1.67E-03
5.64E+01	5.73E-03	5.87E-03	-1.96E-03
5.64E+01	5.94E-03	6.55E-03	-1.73E-03
5.64E+01	5.82E-03	6.81E-03	-1.15E-03
5.64E+01	5.30E-03	6.57E-03	-7.64E-04
5.64E+01	4.64E-03	5.91E-03	-7.39E-04
5.64E+01	4.09E-03	5.02E-03	-5.11E-04

5.64E+01	3.71E-03	3.97E-03	3.31E-04
5.64E+01	3.59E-03	2.64E-03	1.59E-03
5.64E+01	3.66E-03	1.09E-03	3.06E-03
5.64E+01	3.80E-03	-5.28E-04	4.50E-03
5.64E+01	3.97E-03	-2.17E-03	5.58E-03
5.64E+01	4.13E-03	-3.74E-03	6.14E-03
5.64E+01	4.21E-03	-5.15E-03	5.99E-03
5.64E+01	4.22E-03	-6.35E-03	5.17E-03
5.64E+01	4.16E-03	-7.15E-03	4.29E-03
5.64E+01	3.94E-03	-7.57E-03	3.69E-03
5.64E+01	3.58E-03	-7.87E-03	3.38E-03
5.64E+01	3.07E-03	-8.08E-03	3.30E-03
5.64E+01	2.32E-03	-8.40E-03	3.09E-03
5.64E+01	1.40E-03	-8.90E-03	2.54E-03
5.65E+01	3.37E-04	-9.41E-03	1.68E-03
5.65E+01	-7.00E-04	-9.75E-03	6.79E-04
5.65E+01	-1.45E-03	-9.68E-03	-4.44E-05
5.65E+01	-1.95E-03	-9.18E-03	-4.19E-04
5.65E+01	-2.23E-03	-8.35E-03	-5.64E-04
5.65E+01	-2.36E-03	-7.27E-03	-4.65E-04
5.65E+01	-2.53E-03	-6.20E-03	-5.23E-04
5.65E+01	-2.72E-03	-5.29E-03	-9.25E-04
5.65E+01	-2.92E-03	-4.46E-03	-1.33E-03
5.65E+01	-2.97E-03	-3.66E-03	-1.37E-03
5.65E+01	-2.80E-03	-2.87E-03	-7.35E-04
5.65E+01	-2.45E-03	-2.10E-03	3.17E-04
5.65E+01	-1.79E-03	-1.36E-03	1.27E-03
5.65E+01	-8.34E-04	-6.60E-04	1.89E-03
5.65E+01	2.90E-04	-6.37E-05	1.97E-03
5.65E+01	1.40E-03	2.93E-04	1.39E-03
5.65E+01	2.29E-03	3.84E-04	2.36E-04
5.65E+01	2.98E-03	3.30E-04	-1.11E-03
5.65E+01	3.39E-03	2.24E-04	-2.27E-03
5.65E+01	3.34E-03	5.02E-05	-3.05E-03
5.66E+01	2.84E-03	-1.13E-04	-3.28E-03
5.66E+01	1.95E-03	-6.64E-05	-2.87E-03
5.66E+01	7.10E-04	3.08E-04	-1.90E-03
5.66E+01	-7.20E-04	1.05E-03	-7.00E-04
5.66E+01	-2.21E-03	2.08E-03	3.14E-04
5.66E+01	-3.63E-03	3.31E-03	1.00E-03
5.66E+01	-4.79E-03	4.71E-03	1.54E-03
5.66E+01	-5.63E-03	6.16E-03	2.27E-03
5.66E+01	-6.11E-03	7.51E-03	3.44E-03
5.66E+01	-6.27E-03	8.63E-03	5.00E-03
5.66E+01	-6.23E-03	9.46E-03	6.66E-03
5.66E+01	-6.03E-03	9.97E-03	7.99E-03
5.66E+01	-5.81E-03	1.01E-02	8.69E-03

5.66E+01	-5.53E-03	9.87E-03	8.78E-03
5.66E+01	-5.13E-03	9.40E-03	8.49E-03
5.66E+01	-4.63E-03	8.79E-03	7.93E-03
5.66E+01	-4.00E-03	8.04E-03	7.06E-03
5.66E+01	-3.28E-03	7.16E-03	5.97E-03
5.66E+01	-2.46E-03	6.24E-03	4.89E-03
5.66E+01	-1.56E-03	5.21E-03	3.81E-03
5.67E+01	-6.91E-04	4.18E-03	2.77E-03
5.67E+01	1.76E-04	3.30E-03	1.96E-03
5.67E+01	9.69E-04	2.66E-03	1.50E-03
5.67E+01	1.51E-03	2.31E-03	1.27E-03
5.67E+01	1.70E-03	2.24E-03	9.24E-04
5.67E+01	1.51E-03	2.45E-03	4.17E-04
5.67E+01	9.86E-04	2.84E-03	1.14E-04
5.67E+01	2.33E-04	3.26E-03	1.40E-04
5.67E+01	-7.37E-04	3.54E-03	4.18E-04
5.67E+01	-1.88E-03	3.56E-03	8.27E-04
5.67E+01	-2.99E-03	3.40E-03	1.23E-03
5.67E+01	-4.01E-03	3.15E-03	1.76E-03
5.67E+01	-4.88E-03	2.92E-03	2.48E-03
5.67E+01	-5.56E-03	2.85E-03	3.32E-03
5.67E+01	-6.00E-03	3.00E-03	4.05E-03
5.67E+01	-6.15E-03	3.37E-03	4.33E-03
5.67E+01	-6.08E-03	3.92E-03	4.42E-03
5.67E+01	-5.87E-03	4.57E-03	4.70E-03
5.67E+01	-5.50E-03	5.23E-03	5.12E-03
5.67E+01	-5.04E-03	5.74E-03	5.63E-03
5.68E+01	-4.59E-03	6.05E-03	6.16E-03
5.68E+01	-4.17E-03	6.20E-03	6.57E-03
5.68E+01	-3.80E-03	6.14E-03	6.74E-03
5.68E+01	-3.49E-03	6.03E-03	6.45E-03
5.68E+01	-3.23E-03	5.94E-03	5.75E-03
5.68E+01	-2.90E-03	5.85E-03	4.98E-03
5.68E+01	-2.44E-03	5.84E-03	4.20E-03
5.68E+01	-2.01E-03	5.79E-03	3.39E-03
5.68E+01	-1.74E-03	5.73E-03	2.68E-03
5.68E+01	-1.61E-03	5.67E-03	2.11E-03
5.68E+01	-1.65E-03	5.56E-03	1.77E-03
5.68E+01	-1.94E-03	5.44E-03	1.42E-03
5.68E+01	-2.41E-03	5.15E-03	9.04E-04
5.68E+01	-2.88E-03	4.85E-03	6.14E-04
5.68E+01	-3.27E-03	4.77E-03	9.14E-04
5.68E+01	-3.61E-03	4.79E-03	1.56E-03
5.68E+01	-3.92E-03	4.87E-03	2.05E-03
5.68E+01	-4.23E-03	5.05E-03	2.13E-03
5.68E+01	-4.44E-03	5.32E-03	1.93E-03
5.68E+01	-4.52E-03	5.63E-03	1.59E-03

5.69E+01	-4.48E-03	5.94E-03	1.06E-03
5.69E+01	-4.35E-03	6.19E-03	1.90E-04
5.69E+01	-4.06E-03	6.35E-03	-9.33E-04
5.69E+01	-3.63E-03	6.44E-03	-1.86E-03
5.69E+01	-3.20E-03	6.44E-03	-2.20E-03
5.69E+01	-2.82E-03	6.31E-03	-2.09E-03
5.69E+01	-2.41E-03	6.11E-03	-1.79E-03
5.69E+01	-2.02E-03	5.81E-03	-1.50E-03
5.69E+01	-1.68E-03	5.46E-03	-1.11E-03
5.69E+01	-1.38E-03	5.26E-03	-5.46E-04
5.69E+01	-1.10E-03	5.23E-03	1.33E-04
5.69E+01	-8.30E-04	5.36E-03	9.13E-04
5.69E+01	-6.67E-04	5.66E-03	1.61E-03
5.69E+01	-6.20E-04	6.06E-03	2.19E-03
5.69E+01	-6.68E-04	6.56E-03	2.89E-03
5.69E+01	-7.44E-04	7.21E-03	3.71E-03
5.69E+01	-8.17E-04	7.87E-03	4.48E-03
5.69E+01	-9.42E-04	8.56E-03	5.20E-03
5.69E+01	-1.08E-03	9.28E-03	6.03E-03
5.69E+01	-1.21E-03	9.97E-03	6.90E-03
5.70E+01	-1.43E-03	1.05E-02	7.46E-03
5.70E+01	-1.81E-03	1.08E-02	7.46E-03
5.70E+01	-2.30E-03	1.11E-02	6.94E-03
5.70E+01	-2.91E-03	1.11E-02	5.92E-03
5.70E+01	-3.64E-03	1.09E-02	4.53E-03
5.70E+01	-4.42E-03	1.06E-02	2.94E-03
5.70E+01	-5.18E-03	1.02E-02	1.19E-03
5.70E+01	-5.88E-03	9.93E-03	-2.62E-04
5.70E+01	-6.46E-03	9.75E-03	-1.18E-03
5.70E+01	-6.93E-03	9.60E-03	-1.65E-03
5.70E+01	-7.22E-03	9.57E-03	-1.65E-03
5.70E+01	-7.24E-03	9.61E-03	-1.37E-03
5.70E+01	-7.04E-03	9.74E-03	-1.01E-03
5.70E+01	-6.65E-03	1.01E-02	-3.02E-04
5.70E+01	-6.04E-03	1.06E-02	7.46E-04
5.70E+01	-5.33E-03	1.13E-02	1.51E-03
5.70E+01	-4.64E-03	1.19E-02	1.92E-03
5.70E+01	-4.00E-03	1.26E-02	2.21E-03
5.70E+01	-3.45E-03	1.31E-02	2.42E-03
5.70E+01	-3.07E-03	1.34E-02	2.45E-03
5.71E+01	-2.81E-03	1.36E-02	2.20E-03
5.71E+01	-2.63E-03	1.37E-02	2.05E-03
5.71E+01	-2.63E-03	1.35E-02	2.20E-03
5.71E+01	-2.56E-03	1.31E-02	2.45E-03
5.71E+01	-2.43E-03	1.23E-02	2.68E-03
5.71E+01	-2.38E-03	1.11E-02	2.68E-03
5.71E+01	-2.22E-03	9.56E-03	2.48E-03

5.71E+01	-1.97E-03	7.77E-03	2.08E-03
5.71E+01	-1.60E-03	5.85E-03	1.19E-03
5.71E+01	-1.02E-03	4.02E-03	-8.35E-05
5.71E+01	-2.11E-04	2.26E-03	-1.56E-03
5.71E+01	9.25E-04	6.63E-04	-2.97E-03
5.71E+01	2.25E-03	-6.83E-04	-3.71E-03
5.71E+01	3.55E-03	-1.80E-03	-3.77E-03
5.71E+01	4.80E-03	-2.73E-03	-3.55E-03
5.71E+01	5.95E-03	-3.52E-03	-3.14E-03
5.71E+01	6.98E-03	-4.09E-03	-2.46E-03
5.71E+01	7.83E-03	-4.40E-03	-1.66E-03
5.71E+01	8.43E-03	-4.49E-03	-1.28E-03
5.71E+01	8.85E-03	-4.41E-03	-1.46E-03
5.72E+01	9.19E-03	-4.14E-03	-1.86E-03
5.72E+01	9.36E-03	-3.78E-03	-2.22E-03
5.72E+01	9.29E-03	-3.53E-03	-2.42E-03
5.72E+01	9.03E-03	-3.34E-03	-2.47E-03
5.72E+01	8.53E-03	-3.26E-03	-2.43E-03
5.72E+01	7.75E-03	-3.31E-03	-2.10E-03
5.72E+01	6.73E-03	-3.29E-03	-1.36E-03
5.72E+01	5.57E-03	-3.16E-03	-6.16E-04
5.72E+01	4.38E-03	-2.89E-03	-1.89E-04
5.72E+01	3.25E-03	-2.54E-03	-7.00E-05
5.72E+01	2.37E-03	-2.13E-03	-1.12E-04
5.72E+01	1.71E-03	-1.67E-03	6.03E-05
5.72E+01	1.11E-03	-1.37E-03	4.74E-04
5.72E+01	6.03E-04	-1.15E-03	8.83E-04
5.72E+01	1.44E-04	-9.70E-04	1.15E-03
5.72E+01	-3.76E-04	-8.85E-04	9.38E-04
5.72E+01	-9.09E-04	-7.71E-04	2.19E-04
5.72E+01	-1.47E-03	-6.09E-04	-6.64E-04
5.72E+01	-1.98E-03	-3.27E-04	-1.21E-03
5.72E+01	-2.44E-03	5.66E-05	-1.18E-03
5.73E+01	-3.08E-03	2.49E-04	-1.05E-03
5.73E+01	-3.87E-03	2.75E-04	-9.53E-04
5.73E+01	-4.79E-03	2.09E-04	-7.14E-04
5.73E+01	-5.61E-03	2.48E-05	-3.64E-04
5.73E+01	-6.09E-03	-1.34E-04	2.72E-04
5.73E+01	-6.21E-03	-2.63E-04	1.09E-03
5.73E+01	-5.87E-03	-2.68E-04	1.61E-03
5.73E+01	-5.10E-03	-6.77E-05	1.55E-03
5.73E+01	-3.93E-03	2.91E-04	1.07E-03
5.73E+01	-2.41E-03	7.69E-04	6.41E-04
5.73E+01	-8.15E-04	1.16E-03	3.80E-04
5.73E+01	7.82E-04	1.41E-03	1.80E-04
5.73E+01	2.34E-03	1.51E-03	5.89E-05
5.73E+01	3.62E-03	1.49E-03	-3.74E-05

5.73E+01	4.64E-03	1.39E-03	-3.21E-04
5.73E+01	5.35E-03	1.15E-03	-6.73E-04
5.73E+01	5.78E-03	8.89E-04	-9.49E-04
5.73E+01	5.90E-03	4.14E-04	-1.50E-03
5.73E+01	5.60E-03	-3.11E-04	-2.33E-03
5.73E+01	5.00E-03	-1.03E-03	-3.11E-03
5.74E+01	4.12E-03	-1.90E-03	-3.77E-03
5.74E+01	3.18E-03	-2.72E-03	-4.20E-03
5.74E+01	2.27E-03	-3.43E-03	-4.52E-03
5.74E+01	1.37E-03	-4.19E-03	-4.80E-03
5.74E+01	8.71E-04	-4.67E-03	-4.81E-03
5.74E+01	8.32E-04	-4.99E-03	-4.57E-03
5.74E+01	1.30E-03	-5.29E-03	-4.03E-03
5.74E+01	2.34E-03	-5.22E-03	-3.39E-03
5.74E+01	3.77E-03	-4.98E-03	-2.72E-03
5.74E+01	5.70E-03	-4.72E-03	-1.43E-03
5.74E+01	7.74E-03	-4.34E-03	1.83E-04
5.74E+01	9.58E-03	-3.88E-03	1.18E-03
5.74E+01	1.14E-02	-3.72E-03	1.60E-03
5.74E+01	1.26E-02	-3.74E-03	1.75E-03
5.74E+01	1.35E-02	-3.56E-03	1.19E-03
5.74E+01	1.41E-02	-3.59E-03	-1.34E-04
5.74E+01	1.41E-02	-3.60E-03	-1.23E-03
5.74E+01	1.36E-02	-3.46E-03	-1.79E-03
5.74E+01	1.24E-02	-3.53E-03	-2.52E-03
5.74E+01	1.07E-02	-3.68E-03	-3.29E-03
5.75E+01	8.58E-03	-3.92E-03	-3.72E-03
5.75E+01	6.34E-03	-4.16E-03	-3.98E-03
5.75E+01	4.27E-03	-4.25E-03	-3.89E-03
5.75E+01	2.35E-03	-4.18E-03	-3.43E-03
5.75E+01	8.00E-04	-3.98E-03	-3.02E-03
5.75E+01	-2.68E-04	-3.65E-03	-2.61E-03
5.75E+01	-1.13E-03	-3.07E-03	-2.11E-03
5.75E+01	-1.88E-03	-2.45E-03	-1.82E-03
5.75E+01	-2.46E-03	-1.92E-03	-1.62E-03
5.75E+01	-3.11E-03	-1.48E-03	-1.41E-03
5.75E+01	-3.99E-03	-1.17E-03	-1.40E-03
5.75E+01	-4.76E-03	-1.09E-03	-1.47E-03
5.75E+01	-5.38E-03	-1.03E-03	-1.04E-03
5.75E+01	-6.05E-03	-8.69E-04	-1.46E-04
5.75E+01	-6.45E-03	-7.68E-04	5.30E-04
5.75E+01	-6.47E-03	-7.42E-04	9.91E-04
5.75E+01	-6.30E-03	-7.37E-04	1.40E-03
5.75E+01	-5.69E-03	-6.52E-04	1.38E-03
5.75E+01	-4.83E-03	-7.54E-04	9.80E-04
5.75E+01	-3.94E-03	-9.19E-04	5.21E-04
5.76E+01	-2.90E-03	-1.06E-03	4.04E-05

5.76E+01	-1.80E-03	-1.51E-03	-3.64E-04
5.76E+01	-7.43E-04	-1.96E-03	-5.97E-04
5.76E+01	1.81E-04	-2.36E-03	-9.53E-04
5.76E+01	9.34E-04	-2.78E-03	-1.38E-03
5.76E+01	1.45E-03	-3.03E-03	-1.63E-03
5.76E+01	1.75E-03	-3.15E-03	-1.91E-03
5.76E+01	1.92E-03	-3.07E-03	-2.04E-03
5.76E+01	1.98E-03	-2.83E-03	-1.79E-03
5.76E+01	2.04E-03	-2.59E-03	-1.36E-03
5.76E+01	1.99E-03	-2.43E-03	-8.00E-04
5.76E+01	1.80E-03	-2.34E-03	-4.95E-04
5.76E+01	1.49E-03	-2.44E-03	-5.55E-04
5.76E+01	1.17E-03	-2.69E-03	-6.34E-04
5.76E+01	8.10E-04	-2.98E-03	-7.59E-04
5.76E+01	2.15E-04	-3.38E-03	-9.20E-04
5.76E+01	-3.98E-04	-3.76E-03	-1.05E-03
5.76E+01	-1.03E-03	-4.17E-03	-1.22E-03
5.76E+01	-1.86E-03	-4.66E-03	-1.40E-03
5.76E+01	-2.69E-03	-5.23E-03	-1.58E-03
5.77E+01	-3.54E-03	-5.86E-03	-1.52E-03
5.77E+01	-4.47E-03	-6.41E-03	-1.32E-03
5.77E+01	-5.40E-03	-6.87E-03	-1.52E-03
5.77E+01	-6.26E-03	-7.23E-03	-1.96E-03
5.77E+01	-6.98E-03	-7.37E-03	-2.03E-03
5.77E+01	-7.51E-03	-7.32E-03	-1.86E-03
5.77E+01	-7.83E-03	-7.21E-03	-1.70E-03
5.77E+01	-7.91E-03	-7.09E-03	-1.49E-03
5.77E+01	-7.80E-03	-6.98E-03	-1.22E-03
5.77E+01	-7.40E-03	-6.94E-03	-1.08E-03
5.77E+01	-6.63E-03	-7.08E-03	-9.89E-04
5.77E+01	-5.55E-03	-7.33E-03	-5.87E-04
5.77E+01	-4.25E-03	-7.58E-03	9.48E-05
5.77E+01	-2.87E-03	-7.97E-03	7.04E-04
5.77E+01	-1.51E-03	-8.38E-03	9.08E-04
5.77E+01	-2.80E-04	-8.63E-03	7.76E-04
5.77E+01	8.27E-04	-8.74E-03	5.79E-04
5.77E+01	1.76E-03	-8.62E-03	6.20E-04
5.77E+01	2.45E-03	-8.22E-03	1.09E-03
5.77E+01	2.99E-03	-7.59E-03	1.67E-03
5.78E+01	3.35E-03	-6.73E-03	2.19E-03
5.78E+01	3.64E-03	-5.73E-03	2.59E-03
5.78E+01	3.89E-03	-4.66E-03	2.84E-03
5.78E+01	4.21E-03	-3.43E-03	3.09E-03
5.78E+01	4.71E-03	-2.14E-03	3.19E-03
5.78E+01	5.27E-03	-9.35E-04	3.07E-03
5.78E+01	5.96E-03	2.30E-04	2.66E-03
5.78E+01	6.65E-03	1.14E-03	2.09E-03

5.78E+01	7.32E-03	1.71E-03	1.69E-03
5.78E+01	8.00E-03	1.93E-03	1.17E-03
5.78E+01	8.36E-03	1.71E-03	6.86E-04
5.78E+01	8.30E-03	1.08E-03	2.74E-04
5.78E+01	7.86E-03	1.75E-04	-4.04E-04
5.78E+01	7.10E-03	-8.00E-04	-1.18E-03
5.78E+01	6.12E-03	-1.77E-03	-1.95E-03
5.78E+01	4.83E-03	-2.65E-03	-2.60E-03
5.78E+01	3.48E-03	-3.35E-03	-2.98E-03
5.78E+01	2.27E-03	-3.88E-03	-2.96E-03
5.78E+01	1.29E-03	-4.21E-03	-2.52E-03
5.78E+01	6.61E-04	-4.43E-03	-1.77E-03
5.79E+01	2.32E-04	-4.66E-03	-8.91E-04
5.79E+01	9.27E-05	-4.87E-03	-1.41E-04
5.79E+01	2.72E-04	-5.01E-03	4.42E-04
5.79E+01	4.76E-04	-5.23E-03	9.63E-04
5.79E+01	6.98E-04	-5.51E-03	1.55E-03
5.79E+01	9.74E-04	-5.70E-03	2.21E-03
5.79E+01	1.21E-03	-6.02E-03	2.91E-03
5.79E+01	1.35E-03	-6.48E-03	3.65E-03
5.79E+01	1.31E-03	-7.10E-03	4.08E-03
5.79E+01	1.15E-03	-7.98E-03	3.98E-03
5.79E+01	9.68E-04	-8.85E-03	3.73E-03
5.79E+01	7.22E-04	-9.67E-03	3.37E-03
5.79E+01	4.40E-04	-1.04E-02	2.88E-03
5.79E+01	1.80E-04	-1.09E-02	2.47E-03
5.79E+01	-8.41E-05	-1.11E-02	2.25E-03
5.79E+01	-2.94E-04	-1.11E-02	2.28E-03
5.79E+01	-5.53E-04	-1.10E-02	2.30E-03
5.79E+01	-8.56E-04	-1.10E-02	1.97E-03
5.79E+01	-1.18E-03	-1.10E-02	1.41E-03
5.79E+01	-1.68E-03	-1.09E-02	5.53E-04
5.80E+01	-2.16E-03	-1.07E-02	-4.57E-04
5.80E+01	-2.59E-03	-1.05E-02	-1.07E-03
5.80E+01	-3.02E-03	-1.02E-02	-9.44E-04
5.80E+01	-3.33E-03	-9.97E-03	-4.43E-05
5.80E+01	-3.68E-03	-9.92E-03	1.25E-03
5.80E+01	-4.04E-03	-1.00E-02	2.57E-03
5.80E+01	-4.47E-03	-1.03E-02	3.63E-03
5.80E+01	-5.00E-03	-1.06E-02	4.08E-03
5.80E+01	-5.43E-03	-1.08E-02	4.04E-03
5.80E+01	-5.75E-03	-1.08E-02	3.86E-03
5.80E+01	-5.94E-03	-1.07E-02	3.71E-03
5.80E+01	-6.02E-03	-1.04E-02	3.51E-03
5.80E+01	-6.10E-03	-9.97E-03	3.26E-03
5.80E+01	-6.05E-03	-9.44E-03	3.26E-03
5.80E+01	-5.87E-03	-8.78E-03	3.67E-03

5.80E+01	-5.71E-03	-8.07E-03	4.37E-03
5.80E+01	-5.70E-03	-7.36E-03	5.07E-03
5.80E+01	-5.87E-03	-6.50E-03	5.54E-03
5.80E+01	-6.16E-03	-5.53E-03	5.81E-03
5.80E+01	-6.51E-03	-4.59E-03	5.92E-03
5.81E+01	-6.81E-03	-3.65E-03	5.99E-03
5.81E+01	-6.98E-03	-2.80E-03	6.02E-03
5.81E+01	-6.99E-03	-2.11E-03	5.89E-03
5.81E+01	-6.75E-03	-1.56E-03	5.50E-03
5.81E+01	-6.16E-03	-1.15E-03	4.87E-03
5.81E+01	-5.18E-03	-7.59E-04	4.27E-03
5.81E+01	-3.85E-03	-4.17E-04	3.73E-03
5.81E+01	-2.34E-03	-2.22E-04	3.21E-03
5.81E+01	-8.37E-04	-1.35E-04	2.84E-03
5.81E+01	5.91E-04	-1.08E-04	2.79E-03
5.81E+01	1.94E-03	-6.05E-05	3.02E-03
5.81E+01	3.12E-03	-1.01E-05	3.27E-03
5.81E+01	4.07E-03	-2.86E-06	3.26E-03
5.81E+01	4.81E-03	-2.90E-05	3.02E-03
5.81E+01	5.42E-03	-7.76E-05	2.89E-03
5.81E+01	5.89E-03	-1.54E-04	2.89E-03
5.81E+01	6.18E-03	-3.15E-04	3.00E-03
5.81E+01	6.32E-03	-5.93E-04	3.31E-03
5.81E+01	6.38E-03	-1.03E-03	3.88E-03
5.81E+01	6.39E-03	-1.68E-03	4.60E-03
5.82E+01	6.29E-03	-2.52E-03	5.27E-03
5.82E+01	6.10E-03	-3.40E-03	5.87E-03
5.82E+01	5.92E-03	-4.15E-03	6.37E-03
5.82E+01	5.73E-03	-4.86E-03	6.53E-03
5.82E+01	5.55E-03	-5.52E-03	6.35E-03
5.82E+01	5.41E-03	-6.01E-03	6.18E-03
5.82E+01	5.36E-03	-6.21E-03	6.19E-03
5.82E+01	5.38E-03	-6.15E-03	6.21E-03
5.82E+01	5.36E-03	-5.88E-03	6.07E-03
5.82E+01	5.29E-03	-5.43E-03	5.71E-03
5.82E+01	5.17E-03	-4.86E-03	5.01E-03
5.82E+01	5.00E-03	-4.20E-03	3.90E-03
5.82E+01	4.84E-03	-3.47E-03	2.57E-03
5.82E+01	4.66E-03	-2.81E-03	1.38E-03
5.82E+01	4.49E-03	-2.24E-03	5.44E-04
5.82E+01	4.31E-03	-1.81E-03	-5.51E-05
5.82E+01	4.06E-03	-1.60E-03	-4.87E-04
5.82E+01	3.77E-03	-1.58E-03	-8.30E-04
5.82E+01	3.46E-03	-1.72E-03	-1.10E-03
5.82E+01	3.12E-03	-1.99E-03	-1.14E-03
5.83E+01	2.70E-03	-2.24E-03	-9.86E-04
5.83E+01	2.19E-03	-2.43E-03	-7.68E-04

5.83E+01	1.58E-03	-2.42E-03	-4.34E-04
5.83E+01	7.91E-04	-2.17E-03	-4.44E-05
5.83E+01	-1.67E-04	-1.77E-03	3.96E-04
5.83E+01	-1.30E-03	-1.24E-03	9.92E-04
5.83E+01	-2.52E-03	-6.94E-04	1.59E-03
5.83E+01	-3.81E-03	-2.62E-04	1.98E-03
5.83E+01	-5.16E-03	1.39E-05	2.19E-03
5.83E+01	-6.44E-03	1.24E-04	2.31E-03
5.83E+01	-7.55E-03	1.67E-04	2.28E-03
5.83E+01	-8.40E-03	2.07E-04	2.18E-03
5.83E+01	-9.01E-03	3.53E-04	2.14E-03
5.83E+01	-9.43E-03	6.78E-04	2.04E-03
5.83E+01	-9.55E-03	1.19E-03	1.88E-03
5.83E+01	-9.36E-03	1.94E-03	1.79E-03
5.83E+01	-8.96E-03	2.78E-03	1.70E-03
5.83E+01	-8.33E-03	3.60E-03	1.48E-03
5.83E+01	-7.52E-03	4.37E-03	1.09E-03
5.83E+01	-6.60E-03	4.97E-03	6.11E-04
5.84E+01	-5.60E-03	5.32E-03	3.99E-05
5.84E+01	-4.62E-03	5.40E-03	-4.19E-04
5.84E+01	-3.68E-03	5.33E-03	-6.00E-04
5.84E+01	-2.76E-03	5.14E-03	-6.90E-04
5.84E+01	-1.96E-03	4.78E-03	-8.50E-04
5.84E+01	-1.33E-03	4.33E-03	-1.15E-03
5.84E+01	-7.38E-04	3.85E-03	-1.51E-03
5.84E+01	-1.50E-04	3.38E-03	-1.67E-03
5.84E+01	4.68E-04	2.95E-03	-1.54E-03
5.84E+01	1.14E-03	2.59E-03	-1.16E-03
5.84E+01	1.85E-03	2.26E-03	-5.72E-04
5.84E+01	2.64E-03	1.96E-03	9.06E-05
5.84E+01	3.44E-03	1.62E-03	7.95E-04
5.84E+01	4.22E-03	1.13E-03	1.47E-03
5.84E+01	4.95E-03	5.62E-04	2.01E-03
5.84E+01	5.55E-03	-5.89E-05	2.27E-03
5.84E+01	6.02E-03	-7.34E-04	2.14E-03
5.84E+01	6.40E-03	-1.43E-03	1.94E-03
5.84E+01	6.64E-03	-2.07E-03	2.02E-03
5.84E+01	6.75E-03	-2.72E-03	2.27E-03
5.85E+01	6.71E-03	-3.49E-03	2.41E-03
5.85E+01	6.45E-03	-4.39E-03	2.26E-03
5.85E+01	6.05E-03	-5.29E-03	1.83E-03
5.85E+01	5.70E-03	-6.02E-03	1.28E-03
5.85E+01	5.39E-03	-6.52E-03	7.31E-04
5.85E+01	5.17E-03	-6.77E-03	2.30E-04
5.85E+01	5.09E-03	-6.77E-03	-2.47E-04
5.85E+01	5.15E-03	-6.67E-03	-6.33E-04
5.85E+01	5.31E-03	-6.48E-03	-8.38E-04

5.85E+01	5.39E-03	-6.41E-03	-1.10E-03
5.85E+01	5.43E-03	-6.46E-03	-1.66E-03
5.85E+01	5.35E-03	-6.53E-03	-2.33E-03
5.85E+01	5.06E-03	-6.57E-03	-3.04E-03
5.85E+01	4.73E-03	-6.49E-03	-3.66E-03
5.85E+01	4.29E-03	-6.28E-03	-3.78E-03
5.85E+01	3.83E-03	-5.86E-03	-3.25E-03
5.85E+01	3.37E-03	-5.27E-03	-2.26E-03
5.85E+01	2.77E-03	-4.71E-03	-1.15E-03
5.85E+01	2.19E-03	-4.27E-03	-5.25E-05
5.85E+01	1.73E-03	-3.97E-03	1.06E-03
5.86E+01	1.41E-03	-3.84E-03	1.89E-03
5.86E+01	1.24E-03	-3.84E-03	2.28E-03
5.86E+01	1.21E-03	-3.88E-03	2.31E-03
5.86E+01	1.38E-03	-3.82E-03	2.12E-03
5.86E+01	1.80E-03	-3.63E-03	1.95E-03
5.86E+01	2.32E-03	-3.39E-03	1.79E-03
5.86E+01	2.81E-03	-3.27E-03	1.50E-03
5.86E+01	3.20E-03	-3.30E-03	1.18E-03
5.86E+01	3.36E-03	-3.44E-03	8.14E-04
5.86E+01	3.23E-03	-3.76E-03	7.31E-05
5.86E+01	2.90E-03	-4.10E-03	-8.95E-04
5.86E+01	2.37E-03	-4.34E-03	-1.69E-03
5.86E+01	1.72E-03	-4.46E-03	-2.26E-03
5.86E+01	9.71E-04	-4.40E-03	-2.61E-03
5.86E+01	8.30E-05	-4.33E-03	-3.03E-03
5.86E+01	-8.34E-04	-4.34E-03	-3.53E-03
5.86E+01	-1.66E-03	-4.44E-03	-3.88E-03
5.86E+01	-2.39E-03	-4.66E-03	-4.26E-03
5.86E+01	-2.98E-03	-4.87E-03	-4.63E-03
5.86E+01	-3.37E-03	-4.89E-03	-4.76E-03
5.87E+01	-3.52E-03	-4.56E-03	-4.54E-03
5.87E+01	-3.52E-03	-3.81E-03	-3.93E-03
5.87E+01	-3.53E-03	-2.79E-03	-3.10E-03
5.87E+01	-3.50E-03	-1.59E-03	-2.02E-03
5.87E+01	-3.45E-03	-3.41E-04	-7.23E-04
5.87E+01	-3.44E-03	7.34E-04	5.98E-04
5.87E+01	-3.41E-03	1.53E-03	1.86E-03
5.87E+01	-3.34E-03	2.16E-03	2.94E-03
5.87E+01	-3.20E-03	2.61E-03	3.64E-03
5.87E+01	-3.01E-03	2.82E-03	4.06E-03
5.87E+01	-2.77E-03	2.93E-03	4.23E-03
5.87E+01	-2.39E-03	2.91E-03	4.10E-03
5.87E+01	-1.96E-03	2.78E-03	3.54E-03
5.87E+01	-1.56E-03	2.62E-03	2.44E-03
5.87E+01	-1.25E-03	2.43E-03	1.06E-03
5.87E+01	-1.04E-03	2.28E-03	-3.55E-04

5.87E+01	-9.08E-04	2.09E-03	-1.77E-03
5.87E+01	-8.71E-04	2.00E-03	-3.08E-03
5.87E+01	-9.81E-04	2.03E-03	-4.29E-03
5.87E+01	-1.13E-03	2.18E-03	-5.24E-03
5.88E+01	-1.20E-03	2.61E-03	-5.73E-03
5.88E+01	-1.23E-03	3.05E-03	-5.95E-03
5.88E+01	-1.16E-03	3.52E-03	-5.93E-03
5.88E+01	-9.45E-04	3.97E-03	-5.55E-03
5.88E+01	-6.04E-04	4.25E-03	-5.04E-03
5.88E+01	-1.18E-04	4.48E-03	-4.54E-03
5.88E+01	4.29E-04	4.50E-03	-4.11E-03
5.88E+01	1.04E-03	4.44E-03	-3.66E-03
5.88E+01	1.66E-03	4.45E-03	-3.05E-03
5.88E+01	2.22E-03	4.37E-03	-2.34E-03
5.88E+01	2.67E-03	4.21E-03	-1.47E-03
5.88E+01	2.93E-03	4.07E-03	-4.96E-04
5.88E+01	3.06E-03	3.91E-03	1.54E-04
5.88E+01	3.02E-03	3.78E-03	3.52E-04
5.88E+01	2.89E-03	3.70E-03	1.84E-04
5.88E+01	2.78E-03	3.71E-03	-1.79E-04
5.88E+01	2.64E-03	3.89E-03	-6.06E-04
5.88E+01	2.64E-03	4.11E-03	-1.35E-03
5.88E+01	2.74E-03	4.32E-03	-2.26E-03
5.88E+01	2.91E-03	4.55E-03	-2.94E-03
5.89E+01	3.21E-03	4.72E-03	-3.64E-03
5.89E+01	3.44E-03	4.57E-03	-4.47E-03
5.89E+01	3.69E-03	4.27E-03	-5.27E-03
5.89E+01	3.97E-03	3.97E-03	-6.12E-03
5.89E+01	4.25E-03	3.58E-03	-6.78E-03
5.89E+01	4.66E-03	3.31E-03	-6.90E-03
5.89E+01	5.07E-03	3.15E-03	-6.74E-03
5.89E+01	5.46E-03	2.90E-03	-6.69E-03
5.89E+01	5.84E-03	2.68E-03	-6.83E-03
5.89E+01	6.20E-03	2.42E-03	-7.11E-03
5.89E+01	6.52E-03	2.12E-03	-7.32E-03
5.89E+01	6.75E-03	1.90E-03	-7.21E-03
5.89E+01	6.97E-03	1.75E-03	-6.76E-03
5.89E+01	7.19E-03	1.73E-03	-6.15E-03
5.89E+01	7.18E-03	1.73E-03	-5.75E-03
5.89E+01	6.89E-03	1.78E-03	-5.57E-03
5.89E+01	6.46E-03	2.02E-03	-5.38E-03
5.89E+01	5.89E-03	2.38E-03	-5.01E-03
5.89E+01	5.14E-03	2.76E-03	-4.48E-03
5.89E+01	4.28E-03	3.12E-03	-3.81E-03
5.90E+01	3.34E-03	3.53E-03	-2.92E-03
5.90E+01	2.44E-03	3.99E-03	-2.04E-03
5.90E+01	1.62E-03	4.36E-03	-1.25E-03

5.90E+01	8.66E-04	4.59E-03	-3.65E-04
5.90E+01	2.75E-04	4.88E-03	3.94E-04
5.90E+01	-2.00E-04	5.19E-03	6.37E-04
5.90E+01	-5.34E-04	5.45E-03	4.29E-04
5.90E+01	-6.67E-04	5.86E-03	1.09E-04
5.90E+01	-6.40E-04	6.38E-03	-2.01E-04
5.90E+01	-4.63E-04	7.04E-03	-5.61E-04
5.90E+01	-1.89E-04	7.77E-03	-1.03E-03
5.90E+01	1.29E-04	8.47E-03	-1.53E-03
5.90E+01	5.40E-04	9.26E-03	-1.90E-03
5.90E+01	1.12E-03	1.01E-02	-2.05E-03
5.90E+01	1.74E-03	1.08E-02	-1.98E-03
5.90E+01	2.32E-03	1.13E-02	-1.87E-03
5.90E+01	2.98E-03	1.15E-02	-1.59E-03
5.90E+01	3.63E-03	1.15E-02	-1.10E-03
5.90E+01	4.11E-03	1.10E-02	-7.72E-04
5.90E+01	4.41E-03	1.03E-02	-7.90E-04
5.91E+01	4.55E-03	9.45E-03	-8.75E-04
5.91E+01	4.53E-03	8.62E-03	-8.24E-04
5.91E+01	4.34E-03	7.79E-03	-6.29E-04
5.91E+01	4.02E-03	7.00E-03	-3.54E-04
5.91E+01	3.51E-03	6.36E-03	-3.03E-04
5.91E+01	2.86E-03	5.83E-03	-5.01E-04
5.91E+01	2.15E-03	5.52E-03	-7.96E-04
5.91E+01	1.35E-03	5.25E-03	-1.28E-03
5.91E+01	6.18E-04	5.03E-03	-1.94E-03
5.91E+01	4.39E-05	4.85E-03	-2.82E-03
5.91E+01	-5.08E-04	4.38E-03	-3.86E-03
5.91E+01	-9.77E-04	3.99E-03	-4.80E-03
5.91E+01	-1.33E-03	3.60E-03	-5.68E-03
5.91E+01	-1.57E-03	3.13E-03	-6.35E-03
5.91E+01	-1.65E-03	3.08E-03	-6.78E-03
5.91E+01	-1.73E-03	3.14E-03	-7.23E-03
5.91E+01	-1.81E-03	3.33E-03	-7.42E-03
5.91E+01	-1.82E-03	3.86E-03	-7.04E-03
5.91E+01	-1.73E-03	4.56E-03	-6.41E-03
5.91E+01	-1.63E-03	5.35E-03	-5.76E-03
5.92E+01	-1.47E-03	6.01E-03	-5.22E-03
5.92E+01	-1.07E-03	6.56E-03	-4.83E-03
5.92E+01	-4.67E-04	6.97E-03	-4.34E-03
5.92E+01	3.60E-04	7.11E-03	-3.37E-03
5.92E+01	1.36E-03	7.10E-03	-1.91E-03
5.92E+01	2.32E-03	7.02E-03	-5.82E-04
5.92E+01	3.29E-03	6.95E-03	1.08E-04
5.92E+01	4.17E-03	6.86E-03	1.78E-04
5.92E+01	4.96E-03	6.76E-03	-2.42E-04
5.92E+01	5.71E-03	6.71E-03	-1.01E-03

5.92E+01	6.25E-03	6.54E-03	-1.91E-03
5.92E+01	6.64E-03	6.42E-03	-2.60E-03
5.92E+01	6.91E-03	6.49E-03	-2.69E-03
5.92E+01	6.98E-03	6.50E-03	-2.47E-03
5.92E+01	6.78E-03	6.43E-03	-2.36E-03
5.92E+01	6.26E-03	6.30E-03	-2.31E-03
5.92E+01	5.52E-03	6.11E-03	-2.44E-03
5.92E+01	4.64E-03	5.89E-03	-2.85E-03
5.92E+01	3.77E-03	5.76E-03	-3.27E-03
5.92E+01	2.99E-03	5.87E-03	-3.51E-03
5.93E+01	2.43E-03	6.16E-03	-3.46E-03
5.93E+01	2.12E-03	6.49E-03	-2.99E-03
5.93E+01	1.92E-03	6.74E-03	-2.09E-03
5.93E+01	1.76E-03	6.68E-03	-1.15E-03
5.93E+01	1.57E-03	6.34E-03	-6.67E-04
5.93E+01	1.45E-03	5.98E-03	-8.10E-04
5.93E+01	1.45E-03	5.63E-03	-1.28E-03
5.93E+01	1.36E-03	5.39E-03	-1.65E-03
5.93E+01	1.32E-03	5.25E-03	-1.78E-03
5.93E+01	1.28E-03	5.11E-03	-1.44E-03
5.93E+01	1.05E-03	5.04E-03	-9.30E-04
5.93E+01	6.57E-04	4.76E-03	-7.11E-04
5.93E+01	1.17E-04	4.26E-03	-4.98E-04
5.93E+01	-4.31E-04	3.90E-03	-1.82E-04
5.93E+01	-9.83E-04	3.49E-03	-1.49E-04
5.93E+01	-1.51E-03	3.04E-03	-5.28E-04
5.93E+01	-1.85E-03	2.81E-03	-9.17E-04
5.93E+01	-2.13E-03	2.64E-03	-9.49E-04
5.93E+01	-2.32E-03	2.54E-03	-8.38E-04
5.93E+01	-2.47E-03	2.50E-03	-6.46E-04
5.94E+01	-2.64E-03	2.41E-03	-1.03E-04
5.94E+01	-2.65E-03	2.35E-03	7.02E-04
5.94E+01	-2.60E-03	2.24E-03	1.46E-03
5.94E+01	-2.58E-03	1.97E-03	2.04E-03
5.94E+01	-2.58E-03	1.82E-03	2.42E-03
5.94E+01	-2.74E-03	1.79E-03	2.51E-03
5.94E+01	-3.00E-03	1.89E-03	2.33E-03
5.94E+01	-3.33E-03	2.21E-03	2.25E-03
5.94E+01	-3.80E-03	2.61E-03	2.22E-03
5.94E+01	-4.27E-03	3.16E-03	1.89E-03
5.94E+01	-4.66E-03	3.84E-03	1.39E-03
5.94E+01	-4.84E-03	4.52E-03	9.76E-04
5.94E+01	-4.73E-03	5.22E-03	6.16E-04
5.94E+01	-4.41E-03	5.79E-03	1.56E-04
5.94E+01	-3.91E-03	6.25E-03	-4.26E-04
5.94E+01	-3.26E-03	6.70E-03	-9.81E-04
5.94E+01	-2.58E-03	7.14E-03	-1.32E-03

5.94E+01	-1.93E-03	7.61E-03	-1.33E-03
5.94E+01	-1.36E-03	8.04E-03	-1.21E-03
5.94E+01	-9.97E-04	8.34E-03	-1.20E-03
5.95E+01	-9.23E-04	8.55E-03	-1.26E-03
5.95E+01	-1.09E-03	8.80E-03	-1.22E-03
5.95E+01	-1.44E-03	9.03E-03	-1.11E-03
5.95E+01	-1.95E-03	9.19E-03	-1.08E-03
5.95E+01	-2.60E-03	9.38E-03	-1.02E-03
5.95E+01	-3.27E-03	9.61E-03	-8.90E-04
5.95E+01	-3.80E-03	9.82E-03	-7.41E-04
5.95E+01	-4.14E-03	9.79E-03	-6.71E-04
5.95E+01	-4.22E-03	9.42E-03	-7.24E-04
5.95E+01	-3.98E-03	8.72E-03	-8.02E-04
5.95E+01	-3.47E-03	7.75E-03	-8.99E-04
5.95E+01	-2.72E-03	6.58E-03	-8.56E-04
5.95E+01	-1.79E-03	5.40E-03	-5.38E-04
5.95E+01	-8.12E-04	4.37E-03	-1.75E-04
5.95E+01	1.46E-04	3.61E-03	2.15E-04
5.95E+01	9.85E-04	3.12E-03	6.78E-04
5.95E+01	1.66E-03	2.77E-03	9.26E-04
5.95E+01	2.15E-03	2.51E-03	8.32E-04
5.95E+01	2.52E-03	2.43E-03	5.67E-04
5.95E+01	2.95E-03	2.57E-03	3.67E-04
5.96E+01	3.37E-03	2.85E-03	4.36E-04
5.96E+01	3.72E-03	3.23E-03	7.04E-04
5.96E+01	4.03E-03	3.65E-03	1.01E-03
5.96E+01	4.23E-03	4.06E-03	1.31E-03
5.96E+01	4.26E-03	4.44E-03	1.53E-03
5.96E+01	4.12E-03	4.75E-03	1.82E-03
5.96E+01	3.86E-03	5.07E-03	2.37E-03
5.96E+01	3.48E-03	5.42E-03	2.97E-03
5.96E+01	2.91E-03	5.72E-03	3.36E-03
5.96E+01	2.18E-03	6.04E-03	3.62E-03
5.96E+01	1.46E-03	6.43E-03	3.99E-03
5.96E+01	8.38E-04	6.80E-03	4.52E-03
5.96E+01	3.06E-04	7.06E-03	5.13E-03
5.96E+01	-1.43E-04	7.23E-03	5.70E-03
5.96E+01	-4.81E-04	7.36E-03	6.21E-03
5.96E+01	-7.34E-04	7.55E-03	6.66E-03
5.96E+01	-9.07E-04	7.83E-03	6.88E-03
5.96E+01	-9.46E-04	8.11E-03	6.75E-03
5.96E+01	-7.69E-04	8.49E-03	6.41E-03
5.96E+01	-3.33E-04	8.97E-03	5.95E-03
5.97E+01	3.19E-04	9.40E-03	5.29E-03
5.97E+01	1.09E-03	9.65E-03	4.56E-03
5.97E+01	1.88E-03	9.75E-03	3.90E-03
5.97E+01	2.63E-03	9.69E-03	3.27E-03

5.97E+01	3.20E-03	9.46E-03	2.71E-03
5.97E+01	3.51E-03	9.13E-03	2.18E-03
5.97E+01	3.61E-03	8.82E-03	1.63E-03
5.97E+01	3.55E-03	8.66E-03	1.13E-03
5.97E+01	3.37E-03	8.67E-03	6.55E-04
5.97E+01	3.12E-03	8.86E-03	2.89E-04
5.97E+01	2.90E-03	9.24E-03	1.90E-04
5.97E+01	2.76E-03	9.73E-03	3.46E-04
5.97E+01	2.66E-03	1.02E-02	6.81E-04
5.97E+01	2.56E-03	1.06E-02	9.51E-04
5.97E+01	2.50E-03	1.07E-02	1.14E-03
5.97E+01	2.49E-03	1.07E-02	1.46E-03
5.97E+01	2.53E-03	1.03E-02	1.85E-03
5.97E+01	2.56E-03	9.59E-03	2.17E-03
5.97E+01	2.55E-03	8.52E-03	2.51E-03
5.97E+01	2.52E-03	7.21E-03	2.99E-03
5.98E+01	2.46E-03	5.76E-03	3.43E-03
5.98E+01	2.34E-03	4.23E-03	3.62E-03
5.98E+01	2.15E-03	2.78E-03	3.53E-03
5.98E+01	1.97E-03	1.63E-03	3.38E-03
5.98E+01	1.82E-03	8.62E-04	3.29E-03
5.98E+01	1.61E-03	4.09E-04	3.14E-03
5.98E+01	1.30E-03	2.20E-04	3.02E-03
5.98E+01	9.17E-04	2.32E-04	2.90E-03
5.98E+01	4.87E-04	3.86E-04	2.70E-03
5.98E+01	-8.20E-06	6.31E-04	2.43E-03
5.98E+01	-4.41E-04	9.15E-04	2.23E-03
5.98E+01	-7.05E-04	1.30E-03	2.42E-03
5.98E+01	-8.19E-04	1.84E-03	2.89E-03
5.98E+01	-8.73E-04	2.34E-03	3.12E-03
5.98E+01	-9.85E-04	2.68E-03	2.85E-03
5.98E+01	-1.12E-03	2.93E-03	2.36E-03
5.98E+01	-1.29E-03	3.08E-03	2.06E-03
5.98E+01	-1.62E-03	3.01E-03	2.02E-03
5.98E+01	-2.09E-03	2.75E-03	2.08E-03
5.98E+01	-2.65E-03	2.46E-03	2.05E-03
5.99E+01	-3.26E-03	2.07E-03	1.98E-03
5.99E+01	-3.89E-03	1.64E-03	2.10E-03
5.99E+01	-4.47E-03	1.42E-03	2.42E-03
5.99E+01	-4.91E-03	1.43E-03	2.73E-03
5.99E+01	-5.33E-03	1.60E-03	2.93E-03
5.99E+01	-5.76E-03	1.95E-03	2.90E-03
5.99E+01	-6.16E-03	2.31E-03	2.78E-03
5.99E+01	-6.46E-03	2.67E-03	3.04E-03
5.99E+01	-6.68E-03	3.09E-03	3.80E-03
5.99E+01	-6.97E-03	3.28E-03	4.55E-03
5.99E+01	-7.34E-03	3.14E-03	4.87E-03

5.99E+01	-7.69E-03	2.80E-03	4.86E-03
5.99E+01	-7.96E-03	2.28E-03	4.71E-03
5.99E+01	-8.08E-03	1.62E-03	4.24E-03
5.99E+01	-8.08E-03	7.53E-04	3.59E-03
5.99E+01	-7.92E-03	-1.36E-04	3.22E-03
5.99E+01	-7.59E-03	-9.32E-04	3.10E-03
5.99E+01	-7.19E-03	-1.71E-03	2.91E-03
5.99E+01	-6.74E-03	-2.33E-03	2.54E-03
5.99E+01	-6.22E-03	-2.76E-03	1.83E-03
6.00E+01	-5.51E-03	-3.00E-03	8.18E-04
6.00E+01	-4.72E-03	-3.08E-03	-3.49E-04
6.00E+01	-4.04E-03	-3.11E-03	-1.62E-03
6.00E+01	-3.32E-03	-3.02E-03	-2.74E-03
6.00E+01	-2.61E-03	-2.89E-03	-3.42E-03
6.00E+01	-1.99E-03	-2.96E-03	-3.61E-03
6.00E+01	-1.44E-03	-3.03E-03	-3.30E-03
6.00E+01	-1.05E-03	-3.35E-03	-2.58E-03
6.00E+01	-7.21E-04	-3.90E-03	-1.60E-03
6.00E+01	-3.77E-04	-4.19E-03	-3.70E-04
6.00E+01	-1.76E-04	-4.49E-03	9.36E-04
6.00E+01	-2.23E-05	-4.64E-03	2.20E-03
6.00E+01	1.74E-04	-4.46E-03	3.50E-03
6.00E+01	3.23E-04	-4.19E-03	4.68E-03
6.00E+01	3.54E-04	-3.73E-03	5.51E-03
6.00E+01	2.63E-04	-3.27E-03	5.88E-03
6.00E+01	1.35E-04	-2.86E-03	5.79E-03
6.00E+01	-9.54E-07	-2.53E-03	5.43E-03
6.00E+01	-1.83E-04	-2.38E-03	4.88E-03
6.00E+01	-3.91E-04	-2.27E-03	4.05E-03
6.01E+01	-5.16E-04	-2.10E-03	2.96E-03
6.01E+01	-5.88E-04	-1.86E-03	1.69E-03
6.01E+01	-6.94E-04	-1.59E-03	2.81E-04
6.01E+01	-6.92E-04	-1.25E-03	-9.65E-04
6.01E+01	-5.12E-04	-7.99E-04	-1.75E-03
6.01E+01	-2.41E-04	-3.52E-04	-2.04E-03
6.01E+01	4.54E-05	-8.14E-05	-2.04E-03
6.01E+01	3.33E-04	1.74E-05	-1.88E-03
6.01E+01	6.29E-04	-1.13E-05	-1.68E-03
6.01E+01	8.54E-04	-1.73E-04	-1.64E-03
6.01E+01	1.04E-03	-3.93E-04	-1.80E-03
6.01E+01	1.24E-03	-5.76E-04	-1.99E-03
6.01E+01	1.41E-03	-6.50E-04	-2.02E-03
6.01E+01	1.50E-03	-6.91E-04	-1.73E-03
6.01E+01	1.43E-03	-8.26E-04	-1.17E-03
6.01E+01	1.26E-03	-9.73E-04	-5.43E-04
6.01E+01	8.86E-04	-1.25E-03	1.25E-04
6.01E+01	2.40E-04	-1.73E-03	7.16E-04

6.01E+01	-4.65E-04	-2.19E-03	1.00E-03
6.01E+01	-1.29E-03	-2.74E-03	1.06E-03
6.02E+01	-2.06E-03	-3.34E-03	1.03E-03
6.02E+01	-2.65E-03	-3.65E-03	1.03E-03
6.02E+01	-3.29E-03	-4.03E-03	1.03E-03
6.02E+01	-3.81E-03	-4.53E-03	9.03E-04
6.02E+01	-4.13E-03	-4.90E-03	5.76E-04
6.02E+01	-4.48E-03	-5.34E-03	4.18E-05
6.02E+01	-4.72E-03	-5.63E-03	-6.14E-04
6.02E+01	-4.88E-03	-5.57E-03	-1.21E-03
6.02E+01	-5.00E-03	-5.42E-03	-1.64E-03
6.02E+01	-4.94E-03	-5.00E-03	-1.78E-03
6.02E+01	-4.89E-03	-4.39E-03	-1.61E-03
6.02E+01	-5.01E-03	-3.88E-03	-1.32E-03
6.02E+01	-5.31E-03	-3.42E-03	-1.05E-03
6.02E+01	-5.83E-03	-3.12E-03	-8.83E-04
6.02E+01	-6.53E-03	-3.05E-03	-1.00E-03
6.02E+01	-7.33E-03	-3.22E-03	-1.31E-03
6.02E+01	-8.16E-03	-3.45E-03	-1.48E-03
6.02E+01	-8.88E-03	-3.61E-03	-1.43E-03
6.02E+01	-9.52E-03	-3.84E-03	-1.28E-03
6.02E+01	-1.00E-02	-3.98E-03	-1.10E-03
6.03E+01	-1.04E-02	-3.97E-03	-9.73E-04
6.03E+01	-1.06E-02	-3.95E-03	-1.05E-03
6.03E+01	-1.07E-02	-3.86E-03	-1.27E-03
6.03E+01	-1.06E-02	-3.75E-03	-1.40E-03
6.03E+01	-1.05E-02	-3.72E-03	-1.45E-03
6.03E+01	-1.02E-02	-3.77E-03	-1.47E-03
6.03E+01	-9.98E-03	-3.89E-03	-1.57E-03
6.03E+01	-9.84E-03	-4.13E-03	-1.96E-03
6.03E+01	-9.61E-03	-4.31E-03	-2.27E-03
6.03E+01	-9.28E-03	-4.40E-03	-2.23E-03
6.03E+01	-8.91E-03	-4.54E-03	-2.18E-03
6.03E+01	-8.56E-03	-4.65E-03	-2.28E-03
6.03E+01	-8.25E-03	-4.90E-03	-2.69E-03
6.03E+01	-7.76E-03	-5.16E-03	-3.29E-03
6.03E+01	-7.22E-03	-5.46E-03	-3.82E-03
6.03E+01	-6.76E-03	-5.92E-03	-4.38E-03
6.03E+01	-6.22E-03	-6.37E-03	-4.84E-03
6.03E+01	-5.71E-03	-6.77E-03	-4.88E-03
6.03E+01	-5.31E-03	-6.97E-03	-4.58E-03
6.03E+01	-5.01E-03	-7.09E-03	-4.17E-03
6.04E+01	-4.87E-03	-7.10E-03	-3.66E-03
6.04E+01	-4.76E-03	-6.86E-03	-3.17E-03
6.04E+01	-4.65E-03	-6.65E-03	-2.90E-03
6.04E+01	-4.55E-03	-6.39E-03	-2.68E-03
6.04E+01	-4.32E-03	-5.96E-03	-2.33E-03

6.04E+01	-3.94E-03	-5.46E-03	-2.06E-03
6.04E+01	-3.48E-03	-4.89E-03	-2.02E-03
6.04E+01	-3.17E-03	-4.38E-03	-2.06E-03
6.04E+01	-3.15E-03	-3.97E-03	-2.08E-03
6.04E+01	-3.42E-03	-3.59E-03	-2.19E-03
6.04E+01	-4.04E-03	-3.32E-03	-2.36E-03
6.04E+01	-4.85E-03	-3.01E-03	-2.50E-03
6.04E+01	-5.71E-03	-2.63E-03	-2.49E-03
6.04E+01	-6.72E-03	-2.42E-03	-2.10E-03
6.04E+01	-7.64E-03	-2.23E-03	-1.52E-03
6.04E+01	-8.39E-03	-2.02E-03	-1.07E-03
6.04E+01	-9.08E-03	-2.08E-03	-9.00E-04
6.04E+01	-9.46E-03	-2.25E-03	-9.79E-04
6.04E+01	-9.53E-03	-2.48E-03	-1.17E-03
6.04E+01	-9.46E-03	-2.91E-03	-1.59E-03
6.05E+01	-9.21E-03	-3.49E-03	-2.36E-03
6.05E+01	-8.89E-03	-4.18E-03	-3.23E-03
6.05E+01	-8.60E-03	-4.89E-03	-4.07E-03
6.05E+01	-8.37E-03	-5.65E-03	-4.89E-03
6.05E+01	-8.25E-03	-6.47E-03	-5.71E-03
6.05E+01	-8.06E-03	-7.16E-03	-6.37E-03
6.05E+01	-7.79E-03	-7.74E-03	-6.71E-03
6.05E+01	-7.50E-03	-8.31E-03	-6.58E-03
6.05E+01	-7.21E-03	-8.82E-03	-5.94E-03
6.05E+01	-6.89E-03	-9.25E-03	-5.08E-03
6.05E+01	-6.56E-03	-9.54E-03	-4.38E-03
6.05E+01	-6.39E-03	-9.87E-03	-3.92E-03
6.05E+01	-6.34E-03	-1.01E-02	-3.51E-03
6.05E+01	-6.19E-03	-1.02E-02	-3.04E-03
6.05E+01	-5.95E-03	-1.00E-02	-2.47E-03
6.05E+01	-5.63E-03	-9.69E-03	-1.68E-03
6.05E+01	-5.25E-03	-9.22E-03	-7.85E-04
6.05E+01	-4.83E-03	-8.70E-03	2.52E-05
6.05E+01	-4.35E-03	-8.15E-03	4.81E-04
6.05E+01	-3.88E-03	-7.69E-03	4.71E-04
6.06E+01	-3.38E-03	-7.33E-03	2.88E-04
6.06E+01	-2.86E-03	-7.13E-03	1.18E-05
6.06E+01	-2.35E-03	-7.07E-03	-5.29E-04
6.06E+01	-1.95E-03	-7.09E-03	-1.36E-03
6.06E+01	-1.67E-03	-7.09E-03	-2.35E-03
6.06E+01	-1.46E-03	-6.92E-03	-3.17E-03
6.06E+01	-1.32E-03	-6.65E-03	-3.74E-03
6.06E+01	-1.24E-03	-6.33E-03	-4.24E-03
6.06E+01	-1.18E-03	-5.94E-03	-4.69E-03
6.06E+01	-1.03E-03	-5.57E-03	-5.03E-03
6.06E+01	-7.13E-04	-5.19E-03	-5.12E-03
6.06E+01	-2.52E-04	-4.89E-03	-4.79E-03

6.06E+01	3.51E-04	-4.81E-03	-4.13E-03
6.06E+01	1.01E-03	-4.94E-03	-3.24E-03
6.06E+01	1.64E-03	-5.36E-03	-2.20E-03
6.06E+01	2.20E-03	-6.08E-03	-1.17E-03
6.06E+01	2.59E-03	-7.02E-03	-2.50E-04
6.06E+01	2.82E-03	-8.09E-03	4.31E-04
6.06E+01	2.93E-03	-9.08E-03	8.84E-04
6.06E+01	2.91E-03	-9.89E-03	1.17E-03
6.07E+01	2.74E-03	-1.05E-02	1.24E-03
6.07E+01	2.52E-03	-1.09E-02	1.30E-03
6.07E+01	2.29E-03	-1.11E-02	1.57E-03
6.07E+01	2.03E-03	-1.14E-02	1.97E-03
6.07E+01	1.72E-03	-1.17E-02	2.35E-03
6.07E+01	1.45E-03	-1.22E-02	2.59E-03
6.07E+01	1.32E-03	-1.27E-02	2.75E-03
6.07E+01	1.31E-03	-1.31E-02	2.92E-03
6.07E+01	1.37E-03	-1.34E-02	2.97E-03
6.07E+01	1.51E-03	-1.35E-02	2.90E-03
6.07E+01	1.72E-03	-1.34E-02	2.94E-03
6.07E+01	1.98E-03	-1.31E-02	3.08E-03
6.07E+01	2.22E-03	-1.28E-02	3.11E-03
6.07E+01	2.38E-03	-1.27E-02	2.99E-03
6.07E+01	2.49E-03	-1.27E-02	2.73E-03
6.07E+01	2.53E-03	-1.28E-02	2.36E-03
6.07E+01	2.44E-03	-1.29E-02	1.96E-03
6.07E+01	2.25E-03	-1.31E-02	1.60E-03
6.07E+01	2.05E-03	-1.30E-02	1.42E-03
6.07E+01	1.85E-03	-1.28E-02	1.45E-03
6.08E+01	1.59E-03	-1.24E-02	1.63E-03
6.08E+01	1.32E-03	-1.18E-02	1.91E-03
6.08E+01	1.09E-03	-1.11E-02	2.17E-03
6.08E+01	9.64E-04	-1.04E-02	2.26E-03
6.08E+01	9.12E-04	-9.84E-03	2.17E-03
6.08E+01	9.69E-04	-9.43E-03	2.02E-03
6.08E+01	1.16E-03	-9.14E-03	1.94E-03
6.08E+01	1.40E-03	-8.96E-03	1.84E-03
6.08E+01	1.64E-03	-8.91E-03	1.64E-03
6.08E+01	1.86E-03	-8.94E-03	1.45E-03
6.08E+01	2.09E-03	-9.04E-03	1.31E-03
6.08E+01	2.26E-03	-9.20E-03	1.28E-03
6.08E+01	2.31E-03	-9.43E-03	1.30E-03
6.08E+01	2.21E-03	-9.71E-03	1.14E-03
6.08E+01	2.01E-03	-9.93E-03	8.33E-04
6.08E+01	1.72E-03	-1.00E-02	5.30E-04
6.08E+01	1.35E-03	-9.98E-03	2.69E-04
6.08E+01	9.42E-04	-9.73E-03	2.54E-04
6.08E+01	5.23E-04	-9.36E-03	4.08E-04

6.08E+01	1.77E-04	-8.89E-03	5.55E-04
6.09E+01	-9.67E-05	-8.44E-03	7.18E-04
6.09E+01	-3.23E-04	-8.05E-03	8.05E-04
6.09E+01	-3.92E-04	-7.59E-03	9.29E-04
6.09E+01	-3.55E-04	-7.06E-03	1.06E-03
6.09E+01	-2.20E-04	-6.39E-03	1.15E-03
6.09E+01	1.18E-05	-5.49E-03	1.28E-03
6.09E+01	2.52E-04	-4.50E-03	1.21E-03
6.09E+01	5.34E-04	-3.35E-03	8.42E-04
6.09E+01	7.99E-04	-2.19E-03	4.14E-04
6.09E+01	1.05E-03	-1.06E-03	1.37E-04
6.09E+01	1.29E-03	4.52E-05	3.97E-05
6.09E+01	1.49E-03	9.12E-04	7.71E-05
6.09E+01	1.74E-03	1.70E-03	3.24E-04
6.09E+01	1.92E-03	2.37E-03	8.67E-04
6.09E+01	2.01E-03	2.84E-03	1.62E-03
6.09E+01	2.11E-03	3.20E-03	2.24E-03
6.09E+01	2.02E-03	3.35E-03	2.49E-03
6.09E+01	1.84E-03	3.32E-03	2.47E-03
6.09E+01	1.74E-03	3.25E-03	2.36E-03
6.09E+01	1.68E-03	3.17E-03	2.18E-03
6.10E+01	1.71E-03	3.01E-03	1.87E-03
6.10E+01	1.87E-03	2.86E-03	1.59E-03
6.10E+01	2.18E-03	2.73E-03	1.57E-03
6.10E+01	2.63E-03	2.50E-03	1.75E-03
6.10E+01	3.04E-03	2.17E-03	1.79E-03
6.10E+01	3.45E-03	1.74E-03	1.51E-03
6.10E+01	3.94E-03	1.26E-03	1.01E-03
6.10E+01	4.53E-03	8.22E-04	4.64E-04
6.10E+01	5.23E-03	4.52E-04	-7.84E-05
6.10E+01	6.00E-03	1.97E-04	-5.00E-04
6.10E+01	6.80E-03	1.02E-04	-7.77E-04
6.10E+01	7.60E-03	1.19E-04	-1.13E-03
6.10E+01	8.33E-03	1.74E-04	-1.49E-03
6.10E+01	8.91E-03	3.04E-04	-1.64E-03
6.10E+01	9.34E-03	5.24E-04	-1.50E-03
6.10E+01	9.57E-03	7.73E-04	-9.71E-04
6.10E+01	9.50E-03	1.04E-03	-2.19E-04
6.10E+01	9.09E-03	1.25E-03	5.67E-04
6.10E+01	8.29E-03	1.36E-03	1.39E-03
6.10E+01	7.14E-03	1.40E-03	2.19E-03
6.11E+01	5.77E-03	1.37E-03	2.93E-03
6.11E+01	4.22E-03	1.26E-03	3.57E-03
6.11E+01	2.61E-03	1.15E-03	3.98E-03
6.11E+01	1.13E-03	1.13E-03	4.14E-03
6.11E+01	-2.02E-04	1.14E-03	3.97E-03
6.11E+01	-1.33E-03	1.23E-03	3.61E-03

6.11E+01	-2.20E-03	1.42E-03	3.35E-03
6.11E+01	-2.81E-03	1.69E-03	3.16E-03
6.11E+01	-3.15E-03	2.04E-03	2.93E-03
6.11E+01	-3.27E-03	2.45E-03	2.61E-03
6.11E+01	-3.19E-03	2.93E-03	2.14E-03
6.11E+01	-2.88E-03	3.54E-03	1.56E-03
6.11E+01	-2.39E-03	4.18E-03	8.23E-04
6.11E+01	-1.78E-03	4.83E-03	-4.48E-05
6.11E+01	-1.24E-03	5.42E-03	-8.24E-04
6.11E+01	-8.47E-04	5.91E-03	-1.25E-03
6.11E+01	-6.63E-04	6.34E-03	-1.12E-03
6.11E+01	-7.78E-04	6.66E-03	-4.21E-04
6.11E+01	-1.10E-03	6.81E-03	6.74E-04
6.11E+01	-1.58E-03	6.84E-03	1.92E-03
6.12E+01	-2.17E-03	6.84E-03	3.07E-03
6.12E+01	-2.71E-03	6.83E-03	3.97E-03
6.12E+01	-3.13E-03	6.84E-03	4.73E-03
6.12E+01	-3.32E-03	6.83E-03	5.29E-03
6.12E+01	-3.28E-03	6.57E-03	5.57E-03
6.12E+01	-3.07E-03	5.92E-03	5.60E-03
6.12E+01	-2.67E-03	4.90E-03	5.38E-03
6.12E+01	-2.11E-03	3.62E-03	5.05E-03
6.12E+01	-1.44E-03	2.26E-03	4.78E-03
6.12E+01	-6.72E-04	9.73E-04	4.49E-03
6.12E+01	1.04E-04	-3.05E-05	4.17E-03
6.12E+01	9.18E-04	-6.57E-04	3.71E-03
6.12E+01	1.77E-03	-9.10E-04	3.17E-03
6.12E+01	2.55E-03	-8.38E-04	2.61E-03
6.12E+01	3.22E-03	-6.21E-04	1.98E-03
6.12E+01	3.76E-03	-3.56E-04	1.51E-03
6.12E+01	4.12E-03	-9.00E-05	1.31E-03
6.12E+01	4.29E-03	6.54E-05	1.23E-03
6.12E+01	4.25E-03	1.14E-04	1.33E-03
6.12E+01	4.03E-03	8.28E-05	1.57E-03
6.13E+01	3.72E-03	-2.69E-05	1.74E-03
6.13E+01	3.28E-03	-1.64E-04	1.77E-03
6.13E+01	2.78E-03	-2.51E-04	1.67E-03
6.13E+01	2.33E-03	-2.23E-04	1.68E-03
6.13E+01	1.89E-03	-8.79E-05	1.89E-03
6.13E+01	1.58E-03	8.16E-05	2.11E-03
6.13E+01	1.40E-03	2.04E-04	2.26E-03
6.13E+01	1.25E-03	1.45E-04	2.12E-03
6.13E+01	1.26E-03	-1.09E-04	1.55E-03
6.13E+01	1.44E-03	-4.87E-04	6.85E-04
6.13E+01	1.76E-03	-1.02E-03	-2.76E-04
6.13E+01	2.23E-03	-1.58E-03	-1.08E-03
6.13E+01	2.77E-03	-2.06E-03	-1.69E-03

6.13E+01	3.41E-03	-2.48E-03	-2.20E-03
6.13E+01	4.08E-03	-2.80E-03	-2.48E-03
6.13E+01	4.73E-03	-2.98E-03	-2.50E-03
6.13E+01	5.36E-03	-3.03E-03	-2.29E-03
6.13E+01	5.89E-03	-2.99E-03	-1.82E-03
6.13E+01	6.19E-03	-2.92E-03	-1.22E-03
6.13E+01	6.26E-03	-2.80E-03	-6.53E-04
6.14E+01	6.09E-03	-2.67E-03	-2.16E-04
6.14E+01	5.71E-03	-2.63E-03	1.59E-04
6.14E+01	5.17E-03	-2.61E-03	7.22E-04
6.14E+01	4.57E-03	-2.55E-03	1.55E-03
6.14E+01	4.07E-03	-2.43E-03	2.50E-03
6.14E+01	3.67E-03	-2.23E-03	3.30E-03
6.14E+01	3.38E-03	-2.01E-03	3.59E-03
6.14E+01	3.29E-03	-1.82E-03	3.30E-03
6.14E+01	3.35E-03	-1.67E-03	2.74E-03
6.14E+01	3.53E-03	-1.54E-03	2.11E-03
6.14E+01	3.76E-03	-1.37E-03	1.56E-03
6.14E+01	3.95E-03	-1.12E-03	1.19E-03
6.14E+01	4.11E-03	-8.04E-04	9.07E-04
6.14E+01	4.15E-03	-4.21E-04	6.24E-04
6.14E+01	4.03E-03	1.72E-05	3.00E-04
6.14E+01	3.84E-03	5.89E-04	7.76E-05
6.14E+01	3.59E-03	1.31E-03	-8.85E-05
6.14E+01	3.30E-03	2.06E-03	-4.93E-04
6.14E+01	3.02E-03	2.79E-03	-1.20E-03
6.14E+01	2.84E-03	3.45E-03	-2.05E-03
6.15E+01	2.83E-03	3.95E-03	-2.82E-03
6.15E+01	2.99E-03	4.18E-03	-3.28E-03
6.15E+01	3.27E-03	4.07E-03	-3.35E-03
6.15E+01	3.59E-03	3.63E-03	-3.11E-03
6.15E+01	3.87E-03	2.99E-03	-2.63E-03
6.15E+01	4.01E-03	2.22E-03	-2.17E-03
6.15E+01	3.98E-03	1.37E-03	-1.99E-03
6.15E+01	3.77E-03	5.28E-04	-2.06E-03
6.15E+01	3.44E-03	-2.08E-04	-2.28E-03
6.15E+01	3.05E-03	-8.17E-04	-2.48E-03
6.15E+01	2.61E-03	-1.29E-03	-2.49E-03
6.15E+01	2.24E-03	-1.63E-03	-2.35E-03
6.15E+01	2.01E-03	-1.90E-03	-2.10E-03
6.15E+01	1.96E-03	-2.23E-03	-1.83E-03
6.15E+01	2.06E-03	-2.65E-03	-1.56E-03
6.15E+01	2.22E-03	-3.19E-03	-1.13E-03
6.15E+01	2.38E-03	-3.75E-03	-4.81E-04
6.15E+01	2.45E-03	-4.26E-03	2.09E-04
6.15E+01	2.34E-03	-4.71E-03	7.90E-04
6.15E+01	2.05E-03	-5.04E-03	1.30E-03

6.16E+01	1.60E-03	-5.23E-03	1.86E-03
6.16E+01	9.90E-04	-5.28E-03	2.35E-03
6.16E+01	2.22E-04	-5.19E-03	2.48E-03
6.16E+01	-6.74E-04	-4.90E-03	2.33E-03
6.16E+01	-1.53E-03	-4.33E-03	2.08E-03
6.16E+01	-2.23E-03	-3.56E-03	1.87E-03
6.16E+01	-2.81E-03	-2.69E-03	1.84E-03
6.16E+01	-3.23E-03	-1.80E-03	1.92E-03
6.16E+01	-3.46E-03	-9.32E-04	1.97E-03
6.16E+01	-3.53E-03	-1.25E-04	2.04E-03
6.16E+01	-3.46E-03	6.05E-04	2.22E-03
6.16E+01	-3.30E-03	1.21E-03	2.44E-03
6.16E+01	-3.09E-03	1.65E-03	2.55E-03
6.16E+01	-2.87E-03	1.92E-03	2.53E-03
6.16E+01	-2.81E-03	2.02E-03	2.25E-03
6.16E+01	-2.86E-03	1.97E-03	1.62E-03
6.16E+01	-2.92E-03	1.90E-03	9.25E-04
6.16E+01	-3.03E-03	1.87E-03	3.43E-04
6.16E+01	-3.14E-03	1.79E-03	-2.14E-04
6.16E+01	-3.27E-03	1.68E-03	-6.06E-04
6.17E+01	-3.40E-03	1.55E-03	-7.02E-04
6.17E+01	-3.39E-03	1.41E-03	-5.61E-04
6.17E+01	-3.27E-03	1.28E-03	-3.49E-04
6.17E+01	-3.06E-03	1.14E-03	-1.48E-04
6.17E+01	-2.65E-03	1.08E-03	2.20E-04
6.17E+01	-2.02E-03	1.11E-03	8.02E-04
6.17E+01	-1.28E-03	1.12E-03	1.29E-03
6.17E+01	-4.43E-04	1.06E-03	1.53E-03
6.17E+01	4.83E-04	9.35E-04	1.64E-03
6.17E+01	1.51E-03	7.56E-04	1.79E-03
6.17E+01	2.51E-03	4.93E-04	2.04E-03
6.17E+01	3.37E-03	1.60E-04	2.32E-03
6.17E+01	4.12E-03	-1.32E-04	2.59E-03
6.17E+01	4.66E-03	-3.68E-04	2.78E-03
6.17E+01	4.91E-03	-5.41E-04	2.80E-03
6.17E+01	4.89E-03	-6.65E-04	2.77E-03
6.17E+01	4.69E-03	-7.14E-04	2.71E-03
6.17E+01	4.38E-03	-5.95E-04	2.44E-03
6.17E+01	3.98E-03	-3.99E-04	2.00E-03
6.17E+01	3.59E-03	-1.94E-04	1.47E-03
6.18E+01	3.27E-03	1.53E-06	9.02E-04
6.18E+01	3.02E-03	1.82E-04	2.63E-04
6.18E+01	2.75E-03	3.84E-04	-5.48E-04
6.18E+01	2.46E-03	5.27E-04	-1.37E-03
6.18E+01	2.18E-03	6.38E-04	-1.90E-03
6.18E+01	1.87E-03	7.96E-04	-2.11E-03
6.18E+01	1.51E-03	1.02E-03	-2.07E-03

6.18E+01	1.03E-03	1.36E-03	-1.92E-03
6.18E+01	4.47E-04	1.79E-03	-1.81E-03
6.18E+01	-1.69E-04	2.29E-03	-1.86E-03
6.18E+01	-7.77E-04	2.81E-03	-2.33E-03
6.18E+01	-1.31E-03	3.34E-03	-3.09E-03
6.18E+01	-1.71E-03	3.95E-03	-3.66E-03
6.18E+01	-1.90E-03	4.61E-03	-3.86E-03
6.18E+01	-1.92E-03	5.18E-03	-3.72E-03
6.18E+01	-1.83E-03	5.60E-03	-3.26E-03
6.18E+01	-1.68E-03	5.79E-03	-2.71E-03
6.18E+01	-1.52E-03	5.78E-03	-2.22E-03
6.18E+01	-1.36E-03	5.61E-03	-1.90E-03
6.18E+01	-1.15E-03	5.37E-03	-1.74E-03
6.19E+01	-8.87E-04	5.20E-03	-1.48E-03
6.19E+01	-5.41E-04	5.19E-03	-1.08E-03
6.19E+01	-1.77E-04	5.29E-03	-4.73E-04
6.19E+01	8.34E-05	5.40E-03	2.46E-04
6.19E+01	1.89E-04	5.43E-03	8.76E-04
6.19E+01	1.15E-04	5.35E-03	1.39E-03
6.19E+01	-1.07E-04	5.26E-03	1.71E-03
6.19E+01	-4.72E-04	5.05E-03	1.92E-03
6.19E+01	-9.18E-04	4.83E-03	2.22E-03
6.19E+01	-1.32E-03	4.80E-03	2.62E-03
6.19E+01	-1.65E-03	4.80E-03	2.89E-03
6.19E+01	-1.98E-03	4.79E-03	2.94E-03
6.19E+01	-2.29E-03	4.77E-03	2.71E-03
6.19E+01	-2.56E-03	4.73E-03	2.01E-03
6.19E+01	-2.79E-03	4.61E-03	9.40E-04
6.19E+01	-2.96E-03	4.37E-03	-2.82E-04
6.19E+01	-3.11E-03	3.95E-03	-1.48E-03
6.19E+01	-3.19E-03	3.34E-03	-2.34E-03
6.19E+01	-3.16E-03	2.61E-03	-2.66E-03
6.19E+01	-3.10E-03	1.72E-03	-2.62E-03
6.20E+01	-3.04E-03	6.46E-04	-2.58E-03
6.20E+01	-2.93E-03	-4.79E-04	-2.60E-03
6.20E+01	-2.65E-03	-1.43E-03	-2.50E-03
6.20E+01	-2.13E-03	-2.18E-03	-2.30E-03
6.20E+01	-1.38E-03	-2.80E-03	-2.07E-03
6.20E+01	-3.82E-04	-3.27E-03	-1.78E-03
6.20E+01	8.30E-04	-3.65E-03	-1.51E-03
6.20E+01	2.10E-03	-4.02E-03	-1.39E-03
6.20E+01	3.30E-03	-4.42E-03	-1.51E-03
6.20E+01	4.46E-03	-4.79E-03	-1.77E-03
6.20E+01	5.56E-03	-5.04E-03	-1.97E-03
6.20E+01	6.52E-03	-5.19E-03	-2.17E-03
6.20E+01	7.27E-03	-5.30E-03	-2.26E-03
6.20E+01	7.82E-03	-5.38E-03	-2.16E-03

6.20E+01	8.17E-03	-5.33E-03	-2.07E-03
6.20E+01	8.21E-03	-5.19E-03	-2.09E-03
6.20E+01	8.06E-03	-5.00E-03	-2.13E-03
6.20E+01	7.86E-03	-4.62E-03	-1.94E-03
6.20E+01	7.47E-03	-4.30E-03	-1.63E-03
6.20E+01	7.01E-03	-4.05E-03	-1.37E-03
6.21E+01	6.44E-03	-3.74E-03	-1.12E-03
6.21E+01	5.78E-03	-3.58E-03	-9.52E-04
6.21E+01	5.28E-03	-3.55E-03	-7.48E-04
6.21E+01	4.90E-03	-3.59E-03	-3.16E-04
6.21E+01	4.51E-03	-3.62E-03	1.11E-04
6.21E+01	4.21E-03	-3.53E-03	4.10E-04
6.21E+01	3.98E-03	-3.20E-03	6.81E-04
6.21E+01	3.81E-03	-2.67E-03	9.38E-04
6.21E+01	3.80E-03	-2.12E-03	1.18E-03
6.21E+01	3.88E-03	-1.58E-03	1.27E-03
6.21E+01	4.03E-03	-1.17E-03	1.09E-03
6.21E+01	4.33E-03	-8.39E-04	8.35E-04
6.21E+01	4.61E-03	-6.43E-04	3.59E-04
6.21E+01	4.92E-03	-6.18E-04	-3.56E-04
6.21E+01	5.30E-03	-4.79E-04	-9.15E-04
6.21E+01	5.71E-03	-2.58E-04	-1.41E-03
6.21E+01	6.14E-03	-8.85E-05	-1.95E-03
6.21E+01	6.53E-03	1.50E-04	-2.24E-03
6.21E+01	6.93E-03	4.46E-04	-2.32E-03
6.21E+01	7.33E-03	6.13E-04	-2.41E-03
6.22E+01	7.63E-03	6.75E-04	-2.57E-03
6.22E+01	7.81E-03	6.91E-04	-2.77E-03
6.22E+01	7.93E-03	6.50E-04	-2.93E-03
6.22E+01	7.90E-03	6.14E-04	-3.06E-03
6.22E+01	7.62E-03	5.53E-04	-3.11E-03
6.22E+01	7.15E-03	4.74E-04	-2.89E-03
6.22E+01	6.47E-03	4.48E-04	-2.31E-03
6.22E+01	5.64E-03	4.26E-04	-1.63E-03
6.22E+01	4.67E-03	2.90E-04	-1.11E-03
6.22E+01	3.69E-03	5.34E-05	-8.15E-04
6.22E+01	2.92E-03	-1.21E-04	-7.17E-04
6.22E+01	2.32E-03	-1.59E-04	-8.13E-04
6.22E+01	1.82E-03	-1.53E-05	-1.07E-03
6.22E+01	1.40E-03	3.20E-04	-1.41E-03
6.22E+01	1.09E-03	8.09E-04	-1.66E-03
6.22E+01	8.68E-04	1.38E-03	-1.79E-03
6.22E+01	6.47E-04	1.78E-03	-1.86E-03
6.22E+01	3.87E-04	1.87E-03	-1.88E-03
6.22E+01	9.52E-05	1.84E-03	-1.85E-03
6.22E+01	-1.79E-04	1.85E-03	-1.88E-03
6.23E+01	-4.32E-04	1.91E-03	-2.15E-03

6.23E+01	-6.47E-04	2.09E-03	-2.56E-03
6.23E+01	-7.75E-04	2.47E-03	-2.79E-03
6.23E+01	-8.36E-04	2.94E-03	-2.92E-03
6.23E+01	-8.36E-04	3.41E-03	-3.09E-03
6.23E+01	-7.90E-04	3.82E-03	-3.35E-03
6.23E+01	-7.20E-04	4.02E-03	-3.62E-03
6.23E+01	-5.95E-04	4.12E-03	-3.75E-03
6.23E+01	-4.85E-04	4.18E-03	-3.62E-03
6.23E+01	-4.46E-04	4.15E-03	-3.24E-03
6.23E+01	-4.22E-04	4.29E-03	-2.62E-03
6.23E+01	-4.63E-04	4.53E-03	-1.85E-03
6.23E+01	-6.10E-04	4.78E-03	-1.13E-03
6.23E+01	-9.12E-04	5.14E-03	-5.36E-04
6.23E+01	-1.38E-03	5.61E-03	9.35E-06
6.23E+01	-1.88E-03	6.19E-03	5.38E-04
6.23E+01	-2.39E-03	6.76E-03	1.09E-03
6.23E+01	-2.87E-03	7.29E-03	1.64E-03
6.23E+01	-3.22E-03	7.83E-03	2.09E-03
6.23E+01	-3.39E-03	8.37E-03	2.31E-03
6.24E+01	-3.42E-03	8.89E-03	2.27E-03
6.24E+01	-3.36E-03	9.37E-03	1.90E-03
6.24E+01	-3.16E-03	9.79E-03	1.22E-03
6.24E+01	-2.85E-03	1.02E-02	3.26E-04
6.24E+01	-2.47E-03	1.07E-02	-7.16E-04
6.24E+01	-1.98E-03	1.13E-02	-1.70E-03
6.24E+01	-1.37E-03	1.18E-02	-2.43E-03
6.24E+01	-6.40E-04	1.23E-02	-3.03E-03
6.24E+01	1.36E-04	1.27E-02	-3.65E-03
6.24E+01	8.84E-04	1.31E-02	-4.23E-03
6.24E+01	1.68E-03	1.33E-02	-4.67E-03
6.24E+01	2.50E-03	1.35E-02	-4.96E-03
6.24E+01	3.25E-03	1.35E-02	-5.31E-03
6.24E+01	3.92E-03	1.34E-02	-5.72E-03
6.24E+01	4.45E-03	1.32E-02	-5.85E-03
6.24E+01	4.80E-03	1.28E-02	-5.63E-03
6.24E+01	4.87E-03	1.23E-02	-5.25E-03
6.24E+01	4.59E-03	1.16E-02	-4.92E-03
6.24E+01	4.04E-03	1.08E-02	-4.59E-03
6.24E+01	3.30E-03	9.93E-03	-4.04E-03
6.25E+01	2.43E-03	9.01E-03	-3.41E-03
6.25E+01	1.54E-03	7.99E-03	-2.91E-03
6.25E+01	8.07E-04	6.99E-03	-2.45E-03
6.25E+01	3.10E-04	5.99E-03	-2.03E-03
6.25E+01	5.63E-05	4.92E-03	-1.64E-03
6.25E+01	-1.74E-05	3.72E-03	-1.26E-03
6.25E+01	6.20E-05	2.47E-03	-1.00E-03
6.25E+01	2.53E-04	1.25E-03	-8.65E-04

6.25E+01	4.74E-04	3.26E-05	-8.20E-04
6.25E+01	6.80E-04	-1.14E-03	-8.40E-04
6.25E+01	8.14E-04	-2.21E-03	-8.19E-04
6.25E+01	8.87E-04	-3.02E-03	-7.66E-04
6.25E+01	8.76E-04	-3.50E-03	-7.95E-04
6.25E+01	6.75E-04	-3.65E-03	-9.55E-04
6.25E+01	3.58E-04	-3.46E-03	-1.17E-03
6.25E+01	7.57E-05	-2.96E-03	-1.28E-03
6.25E+01	-1.71E-04	-2.28E-03	-1.30E-03
6.25E+01	-4.14E-04	-1.64E-03	-1.39E-03
6.25E+01	-6.47E-04	-1.10E-03	-1.36E-03
6.25E+01	-8.36E-04	-6.81E-04	-1.21E-03
6.26E+01	-9.66E-04	-3.37E-04	-1.18E-03
6.26E+01	-1.05E-03	9.25E-05	-1.31E-03
6.26E+01	-1.07E-03	7.18E-04	-1.45E-03
6.26E+01	-1.00E-03	1.64E-03	-1.45E-03
6.26E+01	-8.58E-04	2.78E-03	-1.45E-03
6.26E+01	-6.07E-04	4.04E-03	-1.58E-03
6.26E+01	-2.38E-04	5.41E-03	-1.76E-03
6.26E+01	2.02E-04	6.74E-03	-1.98E-03
6.26E+01	6.40E-04	7.91E-03	-2.21E-03
6.26E+01	9.73E-04	8.78E-03	-2.50E-03
6.26E+01	1.15E-03	9.29E-03	-2.99E-03
6.26E+01	1.23E-03	9.57E-03	-3.56E-03
6.26E+01	1.25E-03	9.69E-03	-4.10E-03
6.26E+01	1.23E-03	9.67E-03	-4.56E-03
6.26E+01	1.17E-03	9.53E-03	-4.72E-03
6.26E+01	1.07E-03	9.33E-03	-4.50E-03
6.26E+01	1.03E-03	9.01E-03	-4.08E-03
6.26E+01	1.00E-03	8.47E-03	-3.51E-03
6.26E+01	9.41E-04	7.74E-03	-2.92E-03
6.26E+01	9.13E-04	6.80E-03	-2.51E-03
6.27E+01	9.13E-04	5.70E-03	-2.31E-03
6.27E+01	9.19E-04	4.50E-03	-2.23E-03
6.27E+01	9.09E-04	3.20E-03	-2.23E-03
6.27E+01	8.77E-04	1.80E-03	-2.32E-03
6.27E+01	8.54E-04	4.03E-04	-2.53E-03
6.27E+01	8.16E-04	-9.61E-04	-2.85E-03
6.27E+01	7.08E-04	-2.26E-03	-3.21E-03
6.27E+01	6.03E-04	-3.37E-03	-3.44E-03
6.27E+01	5.67E-04	-4.27E-03	-3.42E-03
6.27E+01	5.28E-04	-4.98E-03	-3.30E-03
6.27E+01	4.24E-04	-5.54E-03	-3.32E-03
6.27E+01	3.22E-04	-5.92E-03	-3.44E-03
6.27E+01	3.88E-04	-6.06E-03	-3.42E-03
6.27E+01	6.54E-04	-5.98E-03	-3.19E-03
6.27E+01	1.05E-03	-5.77E-03	-2.90E-03

6.27E+01	1.64E-03	-5.38E-03	-2.56E-03
6.27E+01	2.43E-03	-4.76E-03	-2.15E-03
6.27E+01	3.31E-03	-4.11E-03	-1.99E-03
6.27E+01	4.20E-03	-3.59E-03	-2.24E-03
6.27E+01	5.08E-03	-3.16E-03	-2.49E-03
6.28E+01	5.89E-03	-2.80E-03	-2.52E-03
6.28E+01	6.53E-03	-2.51E-03	-2.28E-03
6.28E+01	6.94E-03	-2.26E-03	-1.89E-03
6.28E+01	7.19E-03	-1.95E-03	-1.57E-03
6.28E+01	7.41E-03	-1.44E-03	-1.34E-03
6.28E+01	7.63E-03	-7.53E-04	-1.22E-03
6.28E+01	7.88E-03	7.86E-05	-1.19E-03
6.28E+01	8.15E-03	1.01E-03	-1.27E-03
6.28E+01	8.50E-03	1.88E-03	-1.53E-03
6.28E+01	8.93E-03	2.67E-03	-1.73E-03
6.28E+01	9.39E-03	3.27E-03	-1.75E-03
6.28E+01	9.84E-03	3.64E-03	-1.69E-03
6.28E+01	1.02E-02	3.89E-03	-1.52E-03
6.28E+01	1.03E-02	3.96E-03	-1.50E-03
6.28E+01	1.02E-02	3.83E-03	-1.75E-03
6.28E+01	9.79E-03	3.63E-03	-1.92E-03
6.28E+01	9.07E-03	3.45E-03	-1.67E-03
6.28E+01	8.16E-03	3.36E-03	-9.33E-04
6.28E+01	7.00E-03	3.26E-03	5.17E-05
6.28E+01	5.63E-03	3.13E-03	8.80E-04
6.29E+01	4.18E-03	3.05E-03	1.32E-03
6.29E+01	2.76E-03	3.04E-03	1.33E-03
6.29E+01	1.43E-03	3.14E-03	1.11E-03
6.29E+01	2.43E-04	3.36E-03	9.05E-04
6.29E+01	-7.07E-04	3.66E-03	6.80E-04
6.29E+01	-1.47E-03	3.93E-03	3.94E-04
6.29E+01	-2.14E-03	4.09E-03	1.96E-04
6.29E+01	-2.68E-03	4.21E-03	1.41E-04
6.29E+01	-3.05E-03	4.18E-03	2.44E-04
6.29E+01	-3.30E-03	4.03E-03	4.47E-04
6.29E+01	-3.48E-03	3.80E-03	4.43E-04
6.29E+01	-3.64E-03	3.51E-03	2.85E-04
6.29E+01	-3.76E-03	3.34E-03	2.41E-04
6.29E+01	-3.79E-03	3.24E-03	3.19E-04
6.29E+01	-3.83E-03	3.05E-03	5.30E-04
6.29E+01	-3.91E-03	2.77E-03	9.44E-04
6.29E+01	-3.91E-03	2.48E-03	1.55E-03
6.29E+01	-3.80E-03	2.23E-03	2.17E-03
6.29E+01	-3.50E-03	2.02E-03	2.64E-03
6.29E+01	-2.98E-03	1.90E-03	2.94E-03
6.30E+01	-2.25E-03	1.78E-03	3.14E-03
6.30E+01	-1.35E-03	1.61E-03	3.20E-03

6.30E+01	-4.67E-04	1.37E-03	3.04E-03
6.30E+01	2.62E-04	1.07E-03	2.63E-03
6.30E+01	8.85E-04	8.07E-04	2.13E-03
6.30E+01	1.35E-03	5.33E-04	1.59E-03
6.30E+01	1.63E-03	2.54E-04	9.00E-04
6.30E+01	1.83E-03	9.27E-05	2.29E-04
6.30E+01	2.00E-03	4.43E-05	-3.57E-04
6.30E+01	2.21E-03	1.81E-04	-8.01E-04
6.30E+01	2.52E-03	4.28E-04	-1.05E-03
6.30E+01	2.94E-03	6.63E-04	-1.21E-03
6.30E+01	3.49E-03	9.68E-04	-1.27E-03
6.30E+01	4.16E-03	1.36E-03	-1.22E-03
6.30E+01	4.95E-03	1.91E-03	-1.12E-03
6.30E+01	5.80E-03	2.62E-03	-8.72E-04
6.30E+01	6.63E-03	3.41E-03	-5.78E-04
6.30E+01	7.36E-03	4.25E-03	-4.08E-04
6.30E+01	7.90E-03	5.03E-03	-3.58E-04
6.30E+01	8.18E-03	5.69E-03	-4.13E-04
6.31E+01	8.20E-03	6.24E-03	-5.07E-04
6.31E+01	7.97E-03	6.59E-03	-4.60E-04
6.31E+01	7.49E-03	6.68E-03	-2.46E-04
6.31E+01	6.76E-03	6.54E-03	9.25E-05
6.31E+01	5.94E-03	6.28E-03	5.19E-04
6.31E+01	5.21E-03	6.05E-03	9.19E-04
6.31E+01	4.68E-03	5.94E-03	1.35E-03
6.31E+01	4.31E-03	5.94E-03	1.77E-03
6.31E+01	4.09E-03	6.04E-03	2.02E-03
6.31E+01	4.02E-03	6.25E-03	2.27E-03
6.31E+01	4.00E-03	6.51E-03	2.52E-03
6.31E+01	3.97E-03	6.65E-03	2.64E-03
6.31E+01	3.87E-03	6.70E-03	2.50E-03
6.31E+01	3.71E-03	6.58E-03	2.14E-03
6.31E+01	3.57E-03	6.43E-03	1.78E-03
6.31E+01	3.39E-03	6.32E-03	1.44E-03
6.31E+01	3.18E-03	6.26E-03	1.10E-03
6.31E+01	3.00E-03	6.34E-03	6.69E-04
6.31E+01	2.74E-03	6.34E-03	5.91E-05
6.31E+01	2.37E-03	6.25E-03	-3.89E-04
6.32E+01	1.85E-03	6.17E-03	-6.09E-04
6.32E+01	1.22E-03	6.03E-03	-7.89E-04
6.32E+01	5.83E-04	5.89E-03	-7.70E-04
6.32E+01	-4.60E-05	5.72E-03	-5.44E-04
6.32E+01	-5.64E-04	5.50E-03	-2.66E-04
6.32E+01	-8.83E-04	5.24E-03	-7.32E-05
6.32E+01	-1.00E-03	4.94E-03	-4.06E-05
6.32E+01	-9.23E-04	4.60E-03	6.29E-06
6.32E+01	-7.24E-04	4.20E-03	1.78E-04

6.32E+01	-3.23E-04	3.83E-03	3.86E-04
6.32E+01	3.22E-04	3.58E-03	7.17E-04
6.32E+01	1.06E-03	3.43E-03	1.18E-03
6.32E+01	1.79E-03	3.38E-03	1.53E-03
6.32E+01	2.42E-03	3.33E-03	1.58E-03
6.32E+01	2.88E-03	3.31E-03	1.22E-03
6.32E+01	3.15E-03	3.37E-03	4.86E-04
6.32E+01	3.21E-03	3.53E-03	-3.12E-04
6.32E+01	3.14E-03	3.80E-03	-9.40E-04
6.32E+01	3.01E-03	4.14E-03	-1.14E-03
6.32E+01	2.74E-03	4.43E-03	-9.25E-04
6.33E+01	2.42E-03	4.63E-03	-5.70E-04
6.33E+01	2.14E-03	4.77E-03	-2.46E-05
6.33E+01	1.93E-03	4.91E-03	7.00E-04
6.33E+01	1.86E-03	5.04E-03	1.36E-03
6.33E+01	1.84E-03	5.21E-03	1.94E-03
6.33E+01	1.96E-03	5.45E-03	2.51E-03
6.33E+01	2.26E-03	5.74E-03	3.14E-03
6.33E+01	2.52E-03	6.04E-03	3.93E-03
6.33E+01	2.74E-03	6.26E-03	4.75E-03
6.33E+01	2.96E-03	6.36E-03	5.52E-03
6.33E+01	3.08E-03	6.34E-03	6.20E-03
6.33E+01	3.10E-03	6.18E-03	6.57E-03
6.33E+01	3.04E-03	5.99E-03	6.65E-03
6.33E+01	2.96E-03	5.91E-03	6.50E-03
6.33E+01	2.93E-03	6.00E-03	6.16E-03
6.33E+01	2.86E-03	6.27E-03	5.67E-03
6.33E+01	2.67E-03	6.65E-03	5.02E-03
6.33E+01	2.42E-03	7.11E-03	4.41E-03
6.33E+01	2.07E-03	7.62E-03	3.99E-03
6.33E+01	1.59E-03	7.98E-03	3.60E-03
6.34E+01	9.32E-04	8.26E-03	3.18E-03
6.34E+01	1.56E-04	8.49E-03	2.88E-03
6.34E+01	-5.48E-04	8.65E-03	2.69E-03
6.34E+01	-1.25E-03	8.77E-03	2.68E-03
6.34E+01	-1.95E-03	8.73E-03	2.83E-03
6.34E+01	-2.54E-03	8.69E-03	3.03E-03
6.34E+01	-3.01E-03	8.64E-03	3.35E-03
6.34E+01	-3.39E-03	8.41E-03	3.55E-03
6.34E+01	-3.63E-03	8.15E-03	3.41E-03
6.34E+01	-3.65E-03	7.80E-03	3.17E-03
6.34E+01	-3.49E-03	7.41E-03	2.98E-03
6.34E+01	-3.17E-03	6.93E-03	3.01E-03
6.34E+01	-2.74E-03	6.26E-03	3.40E-03
6.34E+01	-2.31E-03	5.58E-03	4.06E-03
6.34E+01	-1.99E-03	4.80E-03	4.66E-03
6.34E+01	-1.81E-03	3.88E-03	4.85E-03

6.34E+01	-1.68E-03	3.01E-03	4.89E-03
6.34E+01	-1.63E-03	2.22E-03	5.05E-03
6.34E+01	-1.54E-03	1.52E-03	5.15E-03
6.34E+01	-1.43E-03	8.94E-04	5.24E-03
6.35E+01	-1.36E-03	2.92E-04	5.29E-03
6.35E+01	-1.27E-03	-2.88E-04	5.15E-03
6.35E+01	-1.27E-03	-8.44E-04	5.00E-03
6.35E+01	-1.41E-03	-1.24E-03	4.77E-03
6.35E+01	-1.70E-03	-1.43E-03	4.36E-03
6.35E+01	-2.15E-03	-1.35E-03	4.01E-03
6.35E+01	-2.69E-03	-9.83E-04	3.59E-03
6.35E+01	-3.35E-03	-4.48E-04	3.09E-03
6.35E+01	-4.16E-03	1.83E-04	2.56E-03
6.35E+01	-4.95E-03	8.04E-04	2.06E-03
6.35E+01	-5.65E-03	1.36E-03	1.98E-03
6.35E+01	-6.27E-03	1.80E-03	2.24E-03
6.35E+01	-6.79E-03	2.01E-03	2.84E-03
6.35E+01	-7.20E-03	2.08E-03	3.86E-03
6.35E+01	-7.49E-03	2.02E-03	4.85E-03
6.35E+01	-7.67E-03	1.82E-03	5.67E-03
6.35E+01	-7.78E-03	1.50E-03	6.27E-03
6.35E+01	-7.84E-03	1.09E-03	6.54E-03
6.35E+01	-7.83E-03	6.73E-04	6.57E-03
6.35E+01	-7.73E-03	2.87E-04	6.41E-03
6.36E+01	-7.51E-03	-1.13E-04	6.19E-03
6.36E+01	-7.25E-03	-6.12E-04	6.22E-03
6.36E+01	-6.99E-03	-1.15E-03	6.69E-03
6.36E+01	-6.79E-03	-1.76E-03	7.25E-03
6.36E+01	-6.70E-03	-2.54E-03	7.42E-03
6.36E+01	-6.72E-03	-3.29E-03	7.14E-03
6.36E+01	-6.74E-03	-3.90E-03	6.60E-03
6.36E+01	-6.70E-03	-4.38E-03	6.04E-03
6.36E+01	-6.66E-03	-4.63E-03	5.56E-03
6.36E+01	-6.55E-03	-4.65E-03	5.41E-03
6.36E+01	-6.38E-03	-4.48E-03	5.64E-03
6.36E+01	-6.10E-03	-4.08E-03	5.85E-03
6.36E+01	-5.74E-03	-3.76E-03	5.87E-03
6.36E+01	-5.25E-03	-3.50E-03	5.74E-03
6.36E+01	-4.47E-03	-3.11E-03	5.52E-03
6.36E+01	-3.56E-03	-2.72E-03	5.13E-03
6.36E+01	-2.66E-03	-2.22E-03	4.55E-03
6.36E+01	-1.86E-03	-1.57E-03	3.91E-03
6.36E+01	-1.31E-03	-8.76E-04	3.24E-03
6.36E+01	-1.07E-03	-1.10E-04	2.50E-03
6.37E+01	-1.31E-03	5.30E-04	1.59E-03
6.37E+01	-1.97E-03	9.43E-04	7.65E-04
6.37E+01	-2.83E-03	1.29E-03	4.26E-04

6.37E+01	-3.82E-03	1.52E-03	5.46E-04
6.37E+01	-4.79E-03	1.54E-03	9.20E-04
6.37E+01	-5.76E-03	1.46E-03	1.46E-03
6.37E+01	-6.74E-03	1.29E-03	2.06E-03
6.37E+01	-7.65E-03	1.05E-03	2.53E-03
6.37E+01	-8.50E-03	7.30E-04	2.83E-03
6.37E+01	-9.26E-03	3.51E-04	3.06E-03
6.37E+01	-9.86E-03	8.20E-06	3.35E-03
6.37E+01	-1.04E-02	-2.90E-04	3.53E-03
6.37E+01	-1.08E-02	-5.32E-04	3.43E-03
6.37E+01	-1.12E-02	-6.53E-04	3.17E-03
6.37E+01	-1.16E-02	-6.41E-04	2.78E-03
6.37E+01	-1.20E-02	-4.89E-04	2.31E-03
6.37E+01	-1.24E-02	-2.49E-04	1.87E-03
6.37E+01	-1.29E-02	-3.24E-06	1.38E-03
6.37E+01	-1.34E-02	2.26E-04	1.06E-03
6.37E+01	-1.38E-02	4.37E-04	1.23E-03
6.38E+01	-1.42E-02	5.00E-04	1.78E-03
6.38E+01	-1.47E-02	3.39E-04	2.52E-03
6.38E+01	-1.52E-02	4.44E-05	3.23E-03
6.38E+01	-1.56E-02	-3.79E-04	3.70E-03
6.38E+01	-1.60E-02	-8.42E-04	3.98E-03
6.38E+01	-1.64E-02	-1.20E-03	3.99E-03
6.38E+01	-1.66E-02	-1.50E-03	3.78E-03
6.38E+01	-1.66E-02	-1.76E-03	3.65E-03
6.38E+01	-1.65E-02	-2.02E-03	3.54E-03
6.38E+01	-1.63E-02	-2.38E-03	3.31E-03
6.38E+01	-1.59E-02	-2.81E-03	3.02E-03
6.38E+01	-1.52E-02	-3.27E-03	2.75E-03
6.38E+01	-1.45E-02	-3.72E-03	2.46E-03
6.38E+01	-1.37E-02	-4.13E-03	1.98E-03
6.38E+01	-1.29E-02	-4.40E-03	1.38E-03
6.38E+01	-1.20E-02	-4.43E-03	9.20E-04
6.38E+01	-1.11E-02	-4.26E-03	4.30E-04
6.38E+01	-1.03E-02	-4.04E-03	-2.68E-04
6.38E+01	-9.53E-03	-3.83E-03	-1.01E-03
6.38E+01	-8.70E-03	-3.67E-03	-1.61E-03
6.39E+01	-7.88E-03	-3.61E-03	-1.96E-03
6.39E+01	-7.14E-03	-3.72E-03	-2.08E-03
6.39E+01	-6.50E-03	-4.01E-03	-2.00E-03
6.39E+01	-5.99E-03	-4.38E-03	-1.65E-03
6.39E+01	-5.68E-03	-4.86E-03	-1.24E-03
6.39E+01	-5.62E-03	-5.43E-03	-8.79E-04
6.39E+01	-5.83E-03	-6.03E-03	-5.69E-04
6.39E+01	-6.16E-03	-6.57E-03	-3.02E-04
6.39E+01	-6.51E-03	-7.05E-03	-5.42E-05
6.39E+01	-6.97E-03	-7.55E-03	1.63E-04

6.39E+01	-7.36E-03	-8.09E-03	3.10E-04
6.39E+01	-7.66E-03	-8.60E-03	3.78E-04
6.39E+01	-7.93E-03	-9.11E-03	2.23E-04
6.39E+01	-8.17E-03	-9.62E-03	-3.11E-04
6.39E+01	-8.38E-03	-1.01E-02	-9.21E-04
6.39E+01	-8.46E-03	-1.05E-02	-1.35E-03
6.39E+01	-8.42E-03	-1.06E-02	-1.78E-03
6.39E+01	-8.31E-03	-1.07E-02	-2.34E-03
6.39E+01	-8.11E-03	-1.08E-02	-2.89E-03
6.39E+01	-7.79E-03	-1.08E-02	-3.12E-03
6.40E+01	-7.39E-03	-1.07E-02	-2.95E-03
6.40E+01	-7.02E-03	-1.07E-02	-2.60E-03
6.40E+01	-6.74E-03	-1.07E-02	-2.26E-03
6.40E+01	-6.61E-03	-1.07E-02	-2.09E-03
6.40E+01	-6.62E-03	-1.07E-02	-2.13E-03
6.40E+01	-6.79E-03	-1.06E-02	-2.31E-03
6.40E+01	-7.11E-03	-1.04E-02	-2.60E-03
6.40E+01	-7.46E-03	-1.01E-02	-2.91E-03
6.40E+01	-7.76E-03	-9.71E-03	-3.12E-03
6.40E+01	-7.99E-03	-9.25E-03	-3.12E-03
6.40E+01	-8.14E-03	-8.83E-03	-2.93E-03
6.40E+01	-8.13E-03	-8.45E-03	-2.69E-03
6.40E+01	-7.87E-03	-8.14E-03	-2.48E-03
6.40E+01	-7.46E-03	-7.93E-03	-2.38E-03
6.40E+01	-6.90E-03	-7.82E-03	-2.39E-03
6.40E+01	-6.18E-03	-7.76E-03	-2.44E-03
6.40E+01	-5.36E-03	-7.74E-03	-2.63E-03
6.40E+01	-4.49E-03	-7.80E-03	-3.00E-03
6.40E+01	-3.66E-03	-7.95E-03	-3.34E-03
6.40E+01	-2.95E-03	-8.17E-03	-3.66E-03
6.41E+01	-2.39E-03	-8.46E-03	-4.07E-03
6.41E+01	-2.10E-03	-8.76E-03	-4.42E-03
6.41E+01	-2.08E-03	-9.08E-03	-4.72E-03
6.41E+01	-2.20E-03	-9.42E-03	-4.95E-03
6.41E+01	-2.36E-03	-9.68E-03	-5.01E-03
6.41E+01	-2.49E-03	-9.86E-03	-4.93E-03
6.41E+01	-2.60E-03	-9.99E-03	-4.79E-03
6.41E+01	-2.68E-03	-1.01E-02	-4.81E-03
6.41E+01	-2.66E-03	-1.03E-02	-5.14E-03
6.41E+01	-2.63E-03	-1.03E-02	-5.71E-03
6.41E+01	-2.59E-03	-1.04E-02	-6.47E-03
6.41E+01	-2.46E-03	-1.04E-02	-7.28E-03
6.41E+01	-2.28E-03	-1.04E-02	-8.11E-03
6.41E+01	-2.10E-03	-1.05E-02	-8.94E-03
6.41E+01	-1.96E-03	-1.07E-02	-9.55E-03
6.41E+01	-1.85E-03	-1.10E-02	-9.81E-03
6.41E+01	-1.76E-03	-1.13E-02	-9.70E-03

6.41E+01	-1.68E-03	-1.16E-02	-9.31E-03
6.41E+01	-1.58E-03	-1.19E-02	-8.86E-03
6.41E+01	-1.45E-03	-1.22E-02	-8.40E-03
6.42E+01	-1.21E-03	-1.23E-02	-7.96E-03
6.42E+01	-8.05E-04	-1.25E-02	-7.70E-03
6.42E+01	-2.87E-04	-1.25E-02	-7.50E-03
6.42E+01	3.18E-04	-1.26E-02	-7.28E-03
6.42E+01	9.90E-04	-1.27E-02	-7.05E-03
6.42E+01	1.59E-03	-1.30E-02	-6.84E-03
6.42E+01	2.07E-03	-1.33E-02	-6.64E-03
6.42E+01	2.36E-03	-1.38E-02	-6.43E-03
6.42E+01	2.43E-03	-1.43E-02	-6.26E-03
6.42E+01	2.28E-03	-1.49E-02	-6.15E-03
6.42E+01	1.88E-03	-1.55E-02	-6.07E-03
6.42E+01	1.30E-03	-1.60E-02	-6.00E-03
6.42E+01	6.15E-04	-1.65E-02	-5.96E-03
6.42E+01	-9.08E-05	-1.68E-02	-5.85E-03
6.42E+01	-7.81E-04	-1.70E-02	-5.58E-03
6.42E+01	-1.40E-03	-1.71E-02	-5.09E-03
6.42E+01	-1.89E-03	-1.69E-02	-4.40E-03
6.42E+01	-2.26E-03	-1.66E-02	-3.82E-03
6.42E+01	-2.52E-03	-1.61E-02	-3.54E-03
6.42E+01	-2.74E-03	-1.54E-02	-3.49E-03
6.43E+01	-2.79E-03	-1.46E-02	-3.41E-03
6.43E+01	-2.67E-03	-1.37E-02	-2.96E-03
6.43E+01	-2.57E-03	-1.27E-02	-2.17E-03
6.43E+01	-2.49E-03	-1.19E-02	-1.34E-03
6.43E+01	-2.53E-03	-1.14E-02	-7.42E-04
6.43E+01	-2.77E-03	-1.10E-02	-5.17E-04
6.43E+01	-3.14E-03	-1.08E-02	-6.70E-04
6.43E+01	-3.61E-03	-1.07E-02	-1.03E-03
6.43E+01	-4.01E-03	-1.06E-02	-1.38E-03
6.43E+01	-4.31E-03	-1.03E-02	-1.73E-03
6.43E+01	-4.57E-03	-9.96E-03	-2.29E-03
6.43E+01	-4.75E-03	-9.56E-03	-3.14E-03
6.43E+01	-4.83E-03	-9.12E-03	-4.16E-03
6.43E+01	-4.73E-03	-8.71E-03	-5.24E-03
6.43E+01	-4.45E-03	-8.40E-03	-6.16E-03
6.43E+01	-4.00E-03	-8.13E-03	-6.76E-03
6.43E+01	-3.35E-03	-7.90E-03	-7.02E-03
6.43E+01	-2.57E-03	-7.64E-03	-7.05E-03
6.43E+01	-1.79E-03	-7.43E-03	-7.08E-03
6.43E+01	-1.07E-03	-7.36E-03	-7.13E-03
6.44E+01	-3.54E-04	-7.33E-03	-6.91E-03
6.44E+01	2.90E-04	-7.30E-03	-6.30E-03
6.44E+01	8.05E-04	-7.31E-03	-5.45E-03
6.44E+01	1.10E-03	-7.34E-03	-4.44E-03

6.44E+01	1.20E-03	-7.33E-03	-3.40E-03
6.44E+01	1.24E-03	-7.38E-03	-2.50E-03
6.44E+01	1.19E-03	-7.62E-03	-1.81E-03
6.44E+01	1.13E-03	-7.98E-03	-1.24E-03
6.44E+01	1.11E-03	-8.34E-03	-6.04E-04
6.44E+01	1.09E-03	-8.60E-03	5.28E-05
6.44E+01	1.12E-03	-8.76E-03	6.75E-04
6.44E+01	1.16E-03	-8.84E-03	1.39E-03
6.44E+01	1.21E-03	-8.88E-03	2.04E-03
6.44E+01	1.31E-03	-8.99E-03	2.39E-03
6.44E+01	1.34E-03	-9.17E-03	2.41E-03
6.44E+01	1.32E-03	-9.33E-03	2.29E-03
6.44E+01	1.33E-03	-9.35E-03	2.30E-03
6.44E+01	1.34E-03	-9.19E-03	2.31E-03
6.44E+01	1.27E-03	-8.97E-03	1.99E-03
6.44E+01	1.13E-03	-8.67E-03	1.32E-03
6.45E+01	1.03E-03	-8.26E-03	5.53E-04
6.45E+01	1.07E-03	-7.81E-03	-2.27E-04
6.45E+01	1.22E-03	-7.37E-03	-9.55E-04
6.45E+01	1.46E-03	-6.95E-03	-1.58E-03
6.45E+01	1.86E-03	-6.59E-03	-2.00E-03
6.45E+01	2.40E-03	-6.35E-03	-2.18E-03
6.45E+01	2.98E-03	-6.33E-03	-2.33E-03
6.45E+01	3.52E-03	-6.50E-03	-2.41E-03
6.45E+01	3.95E-03	-6.77E-03	-2.38E-03
6.45E+01	4.30E-03	-7.14E-03	-2.33E-03
6.45E+01	4.51E-03	-7.55E-03	-2.16E-03
6.45E+01	4.59E-03	-7.95E-03	-1.79E-03
6.45E+01	4.61E-03	-8.31E-03	-1.19E-03
6.45E+01	4.56E-03	-8.61E-03	-3.58E-04
6.45E+01	4.46E-03	-8.90E-03	5.26E-04
6.45E+01	4.22E-03	-9.18E-03	1.43E-03
6.45E+01	3.84E-03	-9.40E-03	2.24E-03
6.45E+01	3.44E-03	-9.48E-03	2.74E-03
6.45E+01	3.01E-03	-9.38E-03	2.99E-03
6.45E+01	2.54E-03	-9.12E-03	3.05E-03
6.46E+01	2.12E-03	-8.72E-03	2.94E-03
6.46E+01	1.75E-03	-8.15E-03	2.74E-03
6.46E+01	1.41E-03	-7.44E-03	2.48E-03
6.46E+01	1.09E-03	-6.64E-03	2.30E-03
6.46E+01	6.92E-04	-5.83E-03	2.28E-03
6.46E+01	2.71E-04	-5.06E-03	2.22E-03
6.46E+01	-1.74E-04	-4.41E-03	1.98E-03
6.46E+01	-6.62E-04	-3.88E-03	1.55E-03
6.46E+01	-1.08E-03	-3.46E-03	1.08E-03
6.46E+01	-1.36E-03	-3.09E-03	8.43E-04
6.46E+01	-1.51E-03	-2.76E-03	8.75E-04

6.46E+01	-1.57E-03	-2.49E-03	1.09E-03
6.46E+01	-1.62E-03	-2.25E-03	1.41E-03
6.46E+01	-1.59E-03	-2.00E-03	1.70E-03
6.46E+01	-1.51E-03	-1.73E-03	1.98E-03
6.46E+01	-1.47E-03	-1.45E-03	2.19E-03
6.46E+01	-1.42E-03	-1.17E-03	2.26E-03
6.46E+01	-1.31E-03	-8.70E-04	2.28E-03
6.46E+01	-1.17E-03	-5.99E-04	2.27E-03
6.46E+01	-1.03E-03	-4.18E-04	2.23E-03
6.47E+01	-9.40E-04	-3.27E-04	2.31E-03
6.47E+01	-8.87E-04	-3.92E-04	2.55E-03
6.47E+01	-8.69E-04	-6.82E-04	2.83E-03
6.47E+01	-9.32E-04	-1.23E-03	3.12E-03
6.47E+01	-1.02E-03	-1.95E-03	3.32E-03
6.47E+01	-1.06E-03	-2.72E-03	3.42E-03
6.47E+01	-1.07E-03	-3.42E-03	3.43E-03
6.47E+01	-1.05E-03	-3.91E-03	3.36E-03
6.47E+01	-1.02E-03	-4.13E-03	3.32E-03
6.47E+01	-8.97E-04	-4.06E-03	3.41E-03
6.47E+01	-6.90E-04	-3.71E-03	3.59E-03
6.47E+01	-4.84E-04	-3.13E-03	3.74E-03
6.47E+01	-2.41E-04	-2.48E-03	3.69E-03
6.47E+01	6.60E-05	-1.84E-03	3.50E-03
6.47E+01	4.86E-04	-1.23E-03	3.29E-03
6.47E+01	9.94E-04	-6.65E-04	2.93E-03
6.47E+01	1.56E-03	-1.87E-04	2.44E-03
6.47E+01	2.25E-03	2.22E-04	2.07E-03
6.47E+01	3.01E-03	5.89E-04	1.99E-03
6.47E+01	3.73E-03	9.55E-04	2.33E-03
6.48E+01	4.33E-03	1.26E-03	2.88E-03
6.48E+01	4.79E-03	1.52E-03	3.35E-03
6.48E+01	5.07E-03	1.72E-03	3.63E-03
6.48E+01	5.15E-03	1.85E-03	3.72E-03
6.48E+01	5.05E-03	1.98E-03	3.83E-03
6.48E+01	4.85E-03	2.16E-03	4.11E-03
6.48E+01	4.66E-03	2.47E-03	4.50E-03
6.48E+01	4.46E-03	2.81E-03	4.85E-03
6.48E+01	4.25E-03	3.01E-03	5.18E-03
6.48E+01	4.10E-03	3.11E-03	5.62E-03
6.48E+01	4.09E-03	3.08E-03	6.09E-03
6.48E+01	4.17E-03	2.78E-03	6.50E-03
6.48E+01	4.28E-03	2.21E-03	6.77E-03
6.48E+01	4.49E-03	1.42E-03	6.90E-03
6.48E+01	4.78E-03	3.45E-04	6.94E-03
6.48E+01	5.15E-03	-8.34E-04	6.78E-03
6.48E+01	5.60E-03	-1.96E-03	6.48E-03
6.48E+01	6.03E-03	-3.14E-03	5.97E-03

6.48E+01	6.51E-03	-4.36E-03	5.37E-03
6.48E+01	7.04E-03	-5.43E-03	4.95E-03
6.49E+01	7.45E-03	-6.39E-03	4.52E-03
6.49E+01	7.75E-03	-7.32E-03	4.08E-03
6.49E+01	8.03E-03	-7.95E-03	3.70E-03
6.49E+01	8.19E-03	-8.28E-03	3.44E-03
6.49E+01	8.19E-03	-8.37E-03	3.36E-03
6.49E+01	8.17E-03	-8.13E-03	3.24E-03
6.49E+01	8.11E-03	-7.60E-03	3.06E-03
6.49E+01	8.03E-03	-6.81E-03	2.82E-03
6.49E+01	7.90E-03	-5.94E-03	2.48E-03
6.49E+01	7.66E-03	-5.11E-03	2.20E-03
6.49E+01	7.34E-03	-4.37E-03	2.01E-03
6.49E+01	6.91E-03	-3.75E-03	1.92E-03
6.49E+01	6.27E-03	-3.21E-03	1.83E-03
6.49E+01	5.45E-03	-2.76E-03	1.62E-03
6.49E+01	4.50E-03	-2.32E-03	1.57E-03
6.49E+01	3.45E-03	-1.72E-03	1.66E-03
6.49E+01	2.35E-03	-1.07E-03	1.55E-03
6.49E+01	1.25E-03	-4.47E-04	1.31E-03
6.49E+01	2.14E-04	2.21E-04	1.18E-03
6.49E+01	-6.89E-04	7.61E-04	1.19E-03
6.50E+01	-1.45E-03	1.14E-03	1.25E-03
6.50E+01	-2.01E-03	1.40E-03	1.35E-03
6.50E+01	-2.27E-03	1.56E-03	1.62E-03
6.50E+01	-2.28E-03	1.72E-03	2.01E-03
6.50E+01	-2.16E-03	1.93E-03	2.38E-03
6.50E+01	-1.90E-03	2.32E-03	2.75E-03
6.50E+01	-1.51E-03	2.92E-03	2.98E-03
6.50E+01	-9.80E-04	3.54E-03	3.00E-03
6.50E+01	-3.99E-04	4.13E-03	2.92E-03
6.50E+01	1.79E-04	4.64E-03	2.80E-03
6.50E+01	7.58E-04	5.03E-03	2.75E-03
6.50E+01	1.32E-03	5.33E-03	2.72E-03
6.50E+01	1.81E-03	5.54E-03	2.57E-03
6.50E+01	2.23E-03	5.71E-03	2.47E-03
6.50E+01	2.65E-03	5.99E-03	2.46E-03
6.50E+01	2.95E-03	6.41E-03	2.28E-03
6.50E+01	3.06E-03	6.94E-03	1.82E-03
6.50E+01	3.06E-03	7.61E-03	1.16E-03
6.50E+01	2.98E-03	8.44E-03	6.13E-04
6.50E+01	2.87E-03	9.33E-03	3.08E-04
6.51E+01	2.64E-03	1.02E-02	5.19E-05
6.51E+01	2.25E-03	1.08E-02	-1.59E-04
6.51E+01	1.78E-03	1.14E-02	-2.07E-04
6.51E+01	1.30E-03	1.17E-02	1.53E-06
6.51E+01	7.45E-04	1.18E-02	4.00E-04

6.51E+01	9.99E-05	1.18E-02	6.62E-04
6.51E+01	-5.49E-04	1.17E-02	6.40E-04
6.51E+01	-1.20E-03	1.15E-02	2.94E-04
6.51E+01	-1.81E-03	1.14E-02	-3.48E-04
6.51E+01	-2.34E-03	1.12E-02	-9.98E-04
6.51E+01	-2.80E-03	1.13E-02	-1.39E-03
6.51E+01	-3.13E-03	1.14E-02	-1.36E-03
6.51E+01	-3.48E-03	1.16E-02	-1.03E-03
6.51E+01	-3.88E-03	1.17E-02	-7.85E-04
6.51E+01	-4.31E-03	1.16E-02	-6.96E-04
6.51E+01	-4.74E-03	1.15E-02	-5.50E-04
6.51E+01	-5.17E-03	1.12E-02	-2.60E-04
6.51E+01	-5.58E-03	1.07E-02	2.21E-04
6.51E+01	-5.90E-03	1.03E-02	9.26E-04
6.51E+01	-6.07E-03	9.88E-03	1.81E-03
6.52E+01	-6.11E-03	9.47E-03	2.70E-03
6.52E+01	-6.02E-03	9.08E-03	3.44E-03
6.52E+01	-5.79E-03	8.70E-03	3.99E-03
6.52E+01	-5.44E-03	8.33E-03	4.15E-03
6.52E+01	-5.02E-03	7.94E-03	3.83E-03
6.52E+01	-4.54E-03	7.55E-03	3.39E-03
6.52E+01	-3.99E-03	7.21E-03	3.09E-03
6.52E+01	-3.40E-03	6.93E-03	3.03E-03
6.52E+01	-2.88E-03	6.67E-03	3.15E-03
6.52E+01	-2.49E-03	6.42E-03	3.29E-03
6.52E+01	-2.17E-03	6.24E-03	3.37E-03
6.52E+01	-1.89E-03	6.24E-03	3.25E-03
6.52E+01	-1.69E-03	6.32E-03	2.82E-03
6.52E+01	-1.57E-03	6.57E-03	2.24E-03
6.52E+01	-1.47E-03	7.03E-03	1.77E-03
6.52E+01	-1.38E-03	7.60E-03	1.43E-03
6.52E+01	-1.36E-03	8.12E-03	1.11E-03
6.52E+01	-1.42E-03	8.46E-03	8.00E-04
6.52E+01	-1.49E-03	8.61E-03	6.83E-04
6.52E+01	-1.50E-03	8.57E-03	8.60E-04
6.53E+01	-1.45E-03	8.26E-03	1.13E-03
6.53E+01	-1.31E-03	7.76E-03	1.36E-03
6.53E+01	-1.06E-03	7.20E-03	1.50E-03
6.53E+01	-6.47E-04	6.63E-03	1.38E-03
6.53E+01	-1.14E-04	6.09E-03	1.02E-03
6.53E+01	4.85E-04	5.61E-03	6.62E-04
6.53E+01	1.13E-03	5.20E-03	4.65E-04
6.53E+01	1.73E-03	4.89E-03	3.42E-04
6.53E+01	2.25E-03	4.57E-03	2.35E-05
6.53E+01	2.72E-03	4.30E-03	-5.23E-04
6.53E+01	3.14E-03	4.19E-03	-1.23E-03
6.53E+01	3.53E-03	4.15E-03	-2.10E-03

6.53E+01	3.93E-03	4.19E-03	-2.98E-03
6.53E+01	4.24E-03	4.27E-03	-3.74E-03
6.53E+01	4.43E-03	4.34E-03	-4.22E-03
6.53E+01	4.49E-03	4.43E-03	-4.42E-03
6.53E+01	4.42E-03	4.42E-03	-4.63E-03
6.53E+01	4.22E-03	4.29E-03	-4.87E-03
6.53E+01	3.90E-03	4.22E-03	-4.93E-03
6.53E+01	3.59E-03	4.22E-03	-4.92E-03
6.54E+01	3.29E-03	4.34E-03	-4.85E-03
6.54E+01	2.89E-03	4.62E-03	-4.74E-03
6.54E+01	2.46E-03	4.97E-03	-4.80E-03
6.54E+01	1.95E-03	5.29E-03	-5.00E-03
6.54E+01	1.28E-03	5.50E-03	-5.30E-03
6.54E+01	4.56E-04	5.51E-03	-5.74E-03
6.54E+01	-4.77E-04	5.33E-03	-6.04E-03
6.54E+01	-1.41E-03	5.10E-03	-5.99E-03
6.54E+01	-2.28E-03	4.81E-03	-5.61E-03
6.54E+01	-3.08E-03	4.46E-03	-4.90E-03
6.54E+01	-3.75E-03	4.22E-03	-3.87E-03
6.54E+01	-4.21E-03	4.08E-03	-2.75E-03
6.54E+01	-4.49E-03	4.04E-03	-1.91E-03
6.54E+01	-4.62E-03	4.14E-03	-1.50E-03
6.54E+01	-4.59E-03	4.42E-03	-1.34E-03
6.54E+01	-4.33E-03	4.88E-03	-1.36E-03
6.54E+01	-3.88E-03	5.42E-03	-1.60E-03
6.54E+01	-3.34E-03	5.93E-03	-1.91E-03
6.54E+01	-2.72E-03	6.35E-03	-2.04E-03
6.54E+01	-2.03E-03	6.65E-03	-2.01E-03
6.55E+01	-1.36E-03	6.77E-03	-2.01E-03
6.55E+01	-7.88E-04	6.79E-03	-2.10E-03
6.55E+01	-3.18E-04	6.79E-03	-2.23E-03
6.55E+01	1.39E-04	6.83E-03	-2.34E-03
6.55E+01	5.81E-04	6.89E-03	-2.37E-03
6.55E+01	9.31E-04	6.93E-03	-2.43E-03
6.55E+01	1.21E-03	6.94E-03	-2.67E-03
6.55E+01	1.47E-03	6.93E-03	-3.15E-03
6.55E+01	1.78E-03	6.90E-03	-3.81E-03
6.55E+01	2.16E-03	6.87E-03	-4.51E-03
6.55E+01	2.56E-03	6.83E-03	-5.09E-03
6.55E+01	3.06E-03	6.81E-03	-5.44E-03
6.55E+01	3.60E-03	6.80E-03	-5.60E-03
6.55E+01	4.06E-03	6.73E-03	-5.60E-03
6.55E+01	4.45E-03	6.63E-03	-5.39E-03
6.55E+01	4.88E-03	6.55E-03	-4.80E-03
6.55E+01	5.35E-03	6.51E-03	-3.90E-03
6.55E+01	5.83E-03	6.49E-03	-3.08E-03
6.55E+01	6.33E-03	6.52E-03	-2.58E-03

6.55E+01	6.90E-03	6.69E-03	-2.26E-03
6.56E+01	7.56E-03	6.97E-03	-2.06E-03
6.56E+01	8.15E-03	7.23E-03	-2.00E-03
6.56E+01	8.59E-03	7.32E-03	-2.07E-03
6.56E+01	8.81E-03	7.21E-03	-2.20E-03
6.56E+01	8.77E-03	6.93E-03	-2.36E-03
6.56E+01	8.49E-03	6.45E-03	-2.54E-03
6.56E+01	8.00E-03	5.87E-03	-2.48E-03
6.56E+01	7.44E-03	5.40E-03	-2.07E-03
6.56E+01	6.98E-03	5.12E-03	-1.56E-03
6.56E+01	6.65E-03	5.09E-03	-1.13E-03
6.56E+01	6.46E-03	5.26E-03	-9.28E-04
6.56E+01	6.48E-03	5.64E-03	-9.23E-04
6.56E+01	6.67E-03	6.20E-03	-9.31E-04
6.56E+01	6.92E-03	6.75E-03	-1.02E-03
6.56E+01	7.13E-03	7.22E-03	-1.26E-03
6.56E+01	7.25E-03	7.61E-03	-1.63E-03
6.56E+01	7.32E-03	7.88E-03	-2.03E-03
6.56E+01	7.31E-03	8.06E-03	-2.26E-03
6.56E+01	7.14E-03	8.13E-03	-2.36E-03
6.56E+01	6.82E-03	8.16E-03	-2.46E-03
6.57E+01	6.35E-03	8.23E-03	-2.53E-03
6.57E+01	5.77E-03	8.36E-03	-2.51E-03
6.57E+01	5.17E-03	8.57E-03	-2.37E-03
6.57E+01	4.57E-03	8.78E-03	-2.17E-03
6.57E+01	4.02E-03	8.99E-03	-2.17E-03
6.57E+01	3.58E-03	9.19E-03	-2.40E-03
6.57E+01	3.27E-03	9.35E-03	-2.76E-03
6.57E+01	3.17E-03	9.53E-03	-3.13E-03
6.57E+01	3.38E-03	9.66E-03	-3.31E-03
6.57E+01	3.86E-03	9.72E-03	-3.29E-03
6.57E+01	4.51E-03	9.69E-03	-3.17E-03
6.57E+01	5.22E-03	9.53E-03	-2.99E-03
6.57E+01	5.96E-03	9.30E-03	-2.66E-03
6.57E+01	6.67E-03	9.05E-03	-2.18E-03
6.57E+01	7.26E-03	8.76E-03	-1.86E-03
6.57E+01	7.70E-03	8.50E-03	-1.99E-03
6.57E+01	8.02E-03	8.30E-03	-2.35E-03
6.57E+01	8.21E-03	8.22E-03	-2.73E-03
6.57E+01	8.30E-03	8.24E-03	-3.11E-03
6.57E+01	8.29E-03	8.27E-03	-3.53E-03
6.58E+01	8.20E-03	8.33E-03	-3.99E-03
6.58E+01	8.11E-03	8.43E-03	-4.37E-03
6.58E+01	7.95E-03	8.56E-03	-4.66E-03
6.58E+01	7.82E-03	8.62E-03	-4.87E-03
6.58E+01	7.83E-03	8.68E-03	-4.75E-03
6.58E+01	8.00E-03	8.81E-03	-4.29E-03

6.58E+01	8.30E-03	8.87E-03	-3.64E-03
6.58E+01	8.68E-03	8.80E-03	-2.68E-03
6.58E+01	9.17E-03	8.65E-03	-1.46E-03
6.58E+01	9.70E-03	8.41E-03	-3.12E-04
6.58E+01	1.02E-02	8.08E-03	5.63E-04
6.58E+01	1.06E-02	7.71E-03	1.22E-03
6.58E+01	1.09E-02	7.36E-03	1.64E-03
6.58E+01	1.11E-02	7.06E-03	1.84E-03
6.58E+01	1.11E-02	6.85E-03	1.96E-03
6.58E+01	1.09E-02	6.68E-03	2.10E-03
6.58E+01	1.06E-02	6.58E-03	2.36E-03
6.58E+01	1.02E-02	6.54E-03	2.76E-03
6.58E+01	9.56E-03	6.47E-03	3.06E-03
6.58E+01	8.83E-03	6.37E-03	2.99E-03
6.59E+01	8.09E-03	6.33E-03	2.64E-03
6.59E+01	7.29E-03	6.40E-03	2.20E-03
6.59E+01	6.48E-03	6.51E-03	1.73E-03
6.59E+01	5.67E-03	6.71E-03	1.45E-03
6.59E+01	4.88E-03	6.98E-03	1.37E-03
6.59E+01	4.14E-03	7.22E-03	1.36E-03
6.59E+01	3.42E-03	7.40E-03	1.34E-03
6.59E+01	2.78E-03	7.55E-03	1.17E-03
6.59E+01	2.29E-03	7.69E-03	9.37E-04
6.59E+01	1.95E-03	7.83E-03	6.30E-04
6.59E+01	1.76E-03	8.01E-03	1.56E-04
6.59E+01	1.69E-03	8.23E-03	-3.23E-04
6.59E+01	1.71E-03	8.49E-03	-8.16E-04
6.59E+01	1.84E-03	8.80E-03	-1.31E-03
6.59E+01	2.04E-03	9.17E-03	-1.80E-03
6.59E+01	2.26E-03	9.55E-03	-2.25E-03
6.59E+01	2.57E-03	9.95E-03	-2.33E-03
6.59E+01	2.99E-03	1.04E-02	-2.11E-03
6.59E+01	3.43E-03	1.08E-02	-1.82E-03
6.59E+01	3.88E-03	1.11E-02	-1.52E-03
6.60E+01	4.28E-03	1.13E-02	-1.30E-03
6.60E+01	4.64E-03	1.13E-02	-1.15E-03
6.60E+01	4.89E-03	1.12E-02	-1.03E-03
6.60E+01	5.03E-03	1.10E-02	-9.74E-04
6.60E+01	5.13E-03	1.06E-02	-8.38E-04
6.60E+01	5.18E-03	1.01E-02	-4.53E-04
6.60E+01	5.22E-03	9.64E-03	2.08E-04
6.60E+01	5.14E-03	9.18E-03	9.87E-04
6.60E+01	4.95E-03	8.65E-03	1.66E-03
6.60E+01	4.69E-03	8.27E-03	2.21E-03
6.60E+01	4.25E-03	8.01E-03	2.44E-03
6.60E+01	3.66E-03	7.71E-03	2.33E-03
6.60E+01	3.01E-03	7.52E-03	2.24E-03

6.60E+01	2.36E-03	7.42E-03	2.16E-03
6.60E+01	1.74E-03	7.29E-03	1.94E-03
6.60E+01	1.19E-03	7.10E-03	1.59E-03
6.60E+01	8.42E-04	6.82E-03	1.08E-03
6.60E+01	7.69E-04	6.48E-03	4.97E-04
6.60E+01	9.43E-04	6.14E-03	-5.38E-05
6.60E+01	1.37E-03	5.83E-03	-4.96E-04
6.61E+01	2.04E-03	5.54E-03	-8.23E-04
6.61E+01	2.81E-03	5.26E-03	-1.05E-03
6.61E+01	3.52E-03	4.97E-03	-1.19E-03
6.61E+01	4.11E-03	4.69E-03	-1.23E-03
6.61E+01	4.53E-03	4.52E-03	-1.07E-03
6.61E+01	4.88E-03	4.50E-03	-7.15E-04
6.61E+01	5.19E-03	4.61E-03	-9.16E-05
6.61E+01	5.41E-03	4.86E-03	6.91E-04
6.61E+01	5.58E-03	5.11E-03	1.41E-03
6.61E+01	5.70E-03	5.33E-03	2.08E-03
6.61E+01	5.75E-03	5.50E-03	2.63E-03
6.61E+01	5.71E-03	5.52E-03	3.03E-03
6.61E+01	5.58E-03	5.43E-03	3.37E-03
6.61E+01	5.52E-03	5.31E-03	3.59E-03
6.61E+01	5.50E-03	5.16E-03	3.66E-03
6.61E+01	5.44E-03	4.99E-03	3.57E-03
6.61E+01	5.41E-03	4.82E-03	3.28E-03
6.61E+01	5.42E-03	4.74E-03	2.82E-03
6.61E+01	5.43E-03	4.71E-03	2.20E-03
6.61E+01	5.39E-03	4.71E-03	1.62E-03
6.62E+01	5.34E-03	4.72E-03	1.19E-03
6.62E+01	5.34E-03	4.74E-03	8.56E-04
6.62E+01	5.41E-03	4.77E-03	6.71E-04
6.62E+01	5.55E-03	4.79E-03	5.52E-04
6.62E+01	5.82E-03	4.78E-03	4.18E-04
6.62E+01	6.24E-03	4.81E-03	2.59E-04
6.62E+01	6.79E-03	4.81E-03	-8.13E-05
6.62E+01	7.42E-03	4.79E-03	-5.27E-04
6.62E+01	8.10E-03	4.79E-03	-8.69E-04
6.62E+01	8.75E-03	4.71E-03	-1.09E-03
6.62E+01	9.29E-03	4.58E-03	-1.11E-03
6.62E+01	9.58E-03	4.38E-03	-9.28E-04
6.62E+01	9.58E-03	4.16E-03	-7.22E-04
6.62E+01	9.31E-03	4.02E-03	-4.39E-04
6.62E+01	8.77E-03	4.00E-03	-1.07E-04
6.62E+01	8.06E-03	4.10E-03	1.49E-04
6.62E+01	7.15E-03	4.36E-03	3.19E-04
6.62E+01	6.13E-03	4.71E-03	4.07E-04
6.62E+01	5.18E-03	5.10E-03	5.82E-04
6.62E+01	4.24E-03	5.39E-03	7.99E-04

6.63E+01	3.41E-03	5.45E-03	7.86E-04
6.63E+01	2.80E-03	5.29E-03	6.67E-04
6.63E+01	2.42E-03	4.94E-03	5.58E-04
6.63E+01	2.31E-03	4.44E-03	4.11E-04
6.63E+01	2.38E-03	3.82E-03	2.54E-04
6.63E+01	2.65E-03	3.12E-03	4.22E-05
6.63E+01	3.12E-03	2.48E-03	-9.23E-05
6.63E+01	3.52E-03	1.87E-03	-1.31E-04
6.63E+01	3.81E-03	1.29E-03	-3.55E-04
6.63E+01	3.99E-03	8.16E-04	-7.88E-04
6.63E+01	3.98E-03	4.74E-04	-1.40E-03
6.63E+01	3.78E-03	2.60E-04	-2.09E-03
6.63E+01	3.40E-03	1.70E-04	-2.48E-03
6.63E+01	2.90E-03	2.29E-04	-2.57E-03
6.63E+01	2.36E-03	4.17E-04	-2.68E-03
6.63E+01	1.70E-03	7.18E-04	-2.83E-03
6.63E+01	9.90E-04	1.08E-03	-2.90E-03
6.63E+01	3.69E-04	1.47E-03	-2.69E-03
6.63E+01	-2.25E-04	1.85E-03	-2.29E-03
6.63E+01	-7.95E-04	2.11E-03	-1.96E-03
6.64E+01	-1.33E-03	2.34E-03	-1.64E-03
6.64E+01	-1.84E-03	2.55E-03	-1.45E-03
6.64E+01	-2.26E-03	2.69E-03	-1.54E-03
6.64E+01	-2.64E-03	2.80E-03	-1.71E-03
6.64E+01	-2.90E-03	2.95E-03	-1.76E-03
6.64E+01	-2.96E-03	3.12E-03	-1.53E-03
6.64E+01	-2.87E-03	3.26E-03	-1.05E-03
6.64E+01	-2.61E-03	3.25E-03	-5.36E-04
6.64E+01	-2.22E-03	3.09E-03	4.10E-05
6.64E+01	-1.72E-03	2.83E-03	5.83E-04
6.64E+01	-1.15E-03	2.45E-03	9.74E-04
6.64E+01	-6.32E-04	2.01E-03	1.31E-03
6.64E+01	-1.32E-04	1.63E-03	1.57E-03
6.64E+01	3.52E-04	1.34E-03	1.78E-03
6.64E+01	7.68E-04	1.22E-03	2.02E-03
6.64E+01	1.11E-03	1.15E-03	2.05E-03
6.64E+01	1.24E-03	1.04E-03	1.77E-03
6.64E+01	1.16E-03	8.75E-04	1.28E-03
6.64E+01	1.02E-03	6.59E-04	6.39E-04
6.64E+01	8.79E-04	4.59E-04	1.64E-04
6.65E+01	7.31E-04	2.96E-04	2.29E-05
6.65E+01	7.12E-04	1.77E-04	1.24E-04
6.65E+01	8.38E-04	1.20E-04	3.68E-04
6.65E+01	9.69E-04	7.21E-05	4.41E-04
6.65E+01	1.15E-03	-1.77E-05	2.50E-04
6.65E+01	1.41E-03	-8.30E-05	6.41E-05
6.65E+01	1.74E-03	-1.34E-04	-7.57E-05

6.65E+01	2.13E-03	-2.32E-04	-1.56E-04
6.65E+01	2.50E-03	-3.73E-04	-2.63E-04
6.65E+01	2.86E-03	-5.79E-04	-3.95E-04
6.65E+01	3.19E-03	-8.17E-04	-2.22E-04
6.65E+01	3.43E-03	-1.11E-03	2.36E-04
6.65E+01	3.54E-03	-1.52E-03	7.41E-04
6.65E+01	3.43E-03	-2.03E-03	1.09E-03
6.65E+01	3.16E-03	-2.62E-03	1.06E-03
6.65E+01	2.80E-03	-3.26E-03	7.91E-04
6.65E+01	2.25E-03	-3.91E-03	4.37E-04
6.65E+01	1.55E-03	-4.55E-03	1.93E-05
6.65E+01	7.41E-04	-5.13E-03	-2.77E-04
6.65E+01	-1.70E-04	-5.65E-03	-4.84E-04
6.66E+01	-1.08E-03	-6.14E-03	-6.19E-04
6.66E+01	-1.95E-03	-6.59E-03	-5.55E-04
6.66E+01	-2.63E-03	-6.97E-03	-3.86E-04
6.66E+01	-3.04E-03	-7.30E-03	-1.05E-04
6.66E+01	-3.25E-03	-7.57E-03	1.79E-04
6.66E+01	-3.14E-03	-7.79E-03	2.46E-04
6.66E+01	-2.66E-03	-7.89E-03	2.66E-04
6.66E+01	-1.86E-03	-7.87E-03	3.26E-04
6.66E+01	-8.34E-04	-7.75E-03	3.82E-04
6.66E+01	2.68E-04	-7.65E-03	4.44E-04
6.66E+01	1.36E-03	-7.64E-03	3.00E-04
6.66E+01	2.31E-03	-7.73E-03	-1.95E-04
6.66E+01	2.97E-03	-7.90E-03	-9.15E-04
6.66E+01	3.32E-03	-8.10E-03	-1.58E-03
6.66E+01	3.37E-03	-8.22E-03	-1.86E-03
6.66E+01	3.11E-03	-8.28E-03	-1.68E-03
6.66E+01	2.53E-03	-8.24E-03	-1.18E-03
6.66E+01	1.70E-03	-8.10E-03	-4.96E-04
6.66E+01	6.88E-04	-7.85E-03	3.19E-05
6.66E+01	-3.50E-04	-7.51E-03	2.24E-04
6.67E+01	-1.27E-03	-7.11E-03	1.35E-04
6.67E+01	-2.06E-03	-6.57E-03	-2.71E-04
6.67E+01	-2.62E-03	-6.14E-03	-8.80E-04
6.67E+01	-2.98E-03	-5.66E-03	-1.46E-03
6.67E+01	-3.21E-03	-5.07E-03	-1.66E-03
6.67E+01	-3.50E-03	-4.87E-03	-1.34E-03
6.67E+01	-3.94E-03	-4.80E-03	-9.41E-04
6.67E+01	-4.38E-03	-4.88E-03	-5.56E-04
6.67E+01	-5.03E-03	-5.10E-03	-2.73E-05
6.67E+01	-5.72E-03	-5.31E-03	2.40E-04
6.67E+01	-6.16E-03	-5.59E-03	4.43E-04
6.67E+01	-6.50E-03	-5.64E-03	8.76E-04
6.67E+01	-6.74E-03	-5.65E-03	1.08E-03
6.67E+01	-6.95E-03	-5.81E-03	9.80E-04

6.67E+01	-6.97E-03	-5.81E-03	8.25E-04
6.67E+01	-6.84E-03	-5.90E-03	8.85E-04
6.67E+01	-6.65E-03	-6.15E-03	1.12E-03
6.67E+01	-6.37E-03	-6.54E-03	1.30E-03
6.67E+01	-6.08E-03	-7.18E-03	1.64E-03
6.67E+01	-5.66E-03	-7.85E-03	2.04E-03
6.68E+01	-5.22E-03	-8.68E-03	2.42E-03
6.68E+01	-4.90E-03	-9.48E-03	2.82E-03
6.68E+01	-4.60E-03	-1.01E-02	3.00E-03
6.68E+01	-4.35E-03	-1.07E-02	3.08E-03
6.68E+01	-4.09E-03	-1.11E-02	3.08E-03
6.68E+01	-3.86E-03	-1.14E-02	2.75E-03
6.68E+01	-3.66E-03	-1.16E-02	2.34E-03
6.68E+01	-3.43E-03	-1.17E-02	1.93E-03
6.68E+01	-3.24E-03	-1.18E-02	1.49E-03
6.68E+01	-3.19E-03	-1.19E-02	1.19E-03
6.68E+01	-3.28E-03	-1.19E-02	1.22E-03
6.68E+01	-3.42E-03	-1.17E-02	1.74E-03
6.68E+01	-3.61E-03	-1.12E-02	2.46E-03
6.68E+01	-3.93E-03	-1.07E-02	3.11E-03
6.68E+01	-4.32E-03	-1.01E-02	3.58E-03
6.68E+01	-4.64E-03	-9.29E-03	3.87E-03
6.68E+01	-4.95E-03	-8.48E-03	4.12E-03
6.68E+01	-5.27E-03	-7.67E-03	4.26E-03
6.68E+01	-5.53E-03	-6.92E-03	4.26E-03
6.68E+01	-5.66E-03	-6.24E-03	4.17E-03
6.69E+01	-5.69E-03	-5.63E-03	4.01E-03
6.69E+01	-5.68E-03	-5.13E-03	3.83E-03
6.69E+01	-5.49E-03	-4.69E-03	3.77E-03
6.69E+01	-5.14E-03	-4.34E-03	4.02E-03
6.69E+01	-4.71E-03	-4.17E-03	4.39E-03
6.69E+01	-4.19E-03	-4.16E-03	4.79E-03
6.69E+01	-3.67E-03	-4.31E-03	5.20E-03
6.69E+01	-3.09E-03	-4.56E-03	5.52E-03
6.69E+01	-2.56E-03	-4.89E-03	5.58E-03
6.69E+01	-2.14E-03	-5.35E-03	5.29E-03
6.69E+01	-1.76E-03	-5.86E-03	4.93E-03
6.69E+01	-1.45E-03	-6.35E-03	4.76E-03
6.69E+01	-1.18E-03	-6.89E-03	4.77E-03
6.69E+01	-9.93E-04	-7.48E-03	4.96E-03
6.69E+01	-9.70E-04	-8.08E-03	5.16E-03
6.69E+01	-1.06E-03	-8.70E-03	5.34E-03
6.69E+01	-1.27E-03	-9.22E-03	5.53E-03
6.69E+01	-1.65E-03	-9.65E-03	5.71E-03
6.69E+01	-2.14E-03	-9.98E-03	5.82E-03
6.69E+01	-2.66E-03	-1.01E-02	5.86E-03
6.70E+01	-3.17E-03	-1.02E-02	5.79E-03

6.70E+01	-3.70E-03	-1.03E-02	5.65E-03
6.70E+01	-4.20E-03	-1.04E-02	5.62E-03
6.70E+01	-4.64E-03	-1.06E-02	5.66E-03
6.70E+01	-5.06E-03	-1.06E-02	5.53E-03
6.70E+01	-5.50E-03	-1.06E-02	5.12E-03
6.70E+01	-5.92E-03	-1.05E-02	4.47E-03
6.70E+01	-6.22E-03	-1.02E-02	3.79E-03
6.70E+01	-6.38E-03	-9.76E-03	3.31E-03
6.70E+01	-6.51E-03	-9.36E-03	3.04E-03
6.70E+01	-6.64E-03	-9.05E-03	2.86E-03
6.70E+01	-6.71E-03	-8.80E-03	2.73E-03
6.70E+01	-6.69E-03	-8.61E-03	2.68E-03
6.70E+01	-6.60E-03	-8.43E-03	2.74E-03
6.70E+01	-6.44E-03	-8.27E-03	2.75E-03
6.70E+01	-6.15E-03	-8.10E-03	2.78E-03
6.70E+01	-5.78E-03	-7.82E-03	2.97E-03
6.70E+01	-5.45E-03	-7.54E-03	3.05E-03
6.70E+01	-5.28E-03	-7.29E-03	2.88E-03
6.70E+01	-5.23E-03	-7.03E-03	2.55E-03
6.71E+01	-5.28E-03	-6.80E-03	2.26E-03
6.71E+01	-5.52E-03	-6.66E-03	2.21E-03
6.71E+01	-5.92E-03	-6.65E-03	2.28E-03
6.71E+01	-6.38E-03	-6.71E-03	2.48E-03
6.71E+01	-6.82E-03	-6.79E-03	2.82E-03
6.71E+01	-7.21E-03	-6.92E-03	3.18E-03
6.71E+01	-7.52E-03	-7.13E-03	3.65E-03
6.71E+01	-7.77E-03	-7.44E-03	4.15E-03
6.71E+01	-7.93E-03	-7.79E-03	4.47E-03
6.71E+01	-8.09E-03	-8.20E-03	4.57E-03
6.71E+01	-8.37E-03	-8.68E-03	4.35E-03
6.71E+01	-8.71E-03	-9.12E-03	3.94E-03
6.71E+01	-9.13E-03	-9.42E-03	3.59E-03
6.71E+01	-9.61E-03	-9.62E-03	3.34E-03
6.71E+01	-1.02E-02	-9.69E-03	3.26E-03
6.71E+01	-1.08E-02	-9.62E-03	3.27E-03
6.71E+01	-1.15E-02	-9.47E-03	3.18E-03
6.71E+01	-1.21E-02	-9.26E-03	3.02E-03
6.71E+01	-1.27E-02	-9.00E-03	2.88E-03
6.71E+01	-1.32E-02	-8.71E-03	2.84E-03
6.72E+01	-1.36E-02	-8.42E-03	2.98E-03
6.72E+01	-1.39E-02	-8.19E-03	3.08E-03
6.72E+01	-1.41E-02	-8.01E-03	3.10E-03
6.72E+01	-1.41E-02	-7.85E-03	3.23E-03
6.72E+01	-1.39E-02	-7.67E-03	3.40E-03
6.72E+01	-1.35E-02	-7.48E-03	3.46E-03
6.72E+01	-1.30E-02	-7.30E-03	3.36E-03
6.72E+01	-1.23E-02	-7.05E-03	3.09E-03

6.72E+01	-1.14E-02	-6.75E-03	2.68E-03
6.72E+01	-1.04E-02	-6.44E-03	2.21E-03
6.72E+01	-9.42E-03	-6.23E-03	1.72E-03
6.72E+01	-8.47E-03	-6.18E-03	1.29E-03
6.72E+01	-7.59E-03	-6.32E-03	9.50E-04
6.72E+01	-6.90E-03	-6.65E-03	5.99E-04
6.72E+01	-6.45E-03	-7.13E-03	1.77E-04
6.72E+01	-6.15E-03	-7.65E-03	-1.94E-04
6.72E+01	-6.00E-03	-8.10E-03	-4.62E-04
6.72E+01	-5.98E-03	-8.47E-03	-7.16E-04
6.72E+01	-6.13E-03	-8.70E-03	-9.79E-04
6.72E+01	-6.41E-03	-8.76E-03	-1.28E-03
6.73E+01	-6.71E-03	-8.64E-03	-1.61E-03
6.73E+01	-7.00E-03	-8.38E-03	-1.88E-03
6.73E+01	-7.31E-03	-8.01E-03	-1.95E-03
6.73E+01	-7.60E-03	-7.59E-03	-1.60E-03
6.73E+01	-7.85E-03	-7.09E-03	-9.04E-04
6.73E+01	-8.16E-03	-6.60E-03	-2.93E-04
6.73E+01	-8.57E-03	-6.19E-03	7.67E-05
6.73E+01	-9.07E-03	-5.76E-03	3.52E-04
6.73E+01	-9.63E-03	-5.26E-03	5.60E-04
6.73E+01	-1.03E-02	-4.73E-03	8.20E-04
6.73E+01	-1.10E-02	-4.13E-03	1.11E-03
6.73E+01	-1.17E-02	-3.51E-03	1.27E-03
6.73E+01	-1.23E-02	-2.84E-03	1.50E-03
6.73E+01	-1.28E-02	-2.12E-03	1.85E-03
6.73E+01	-1.33E-02	-1.43E-03	2.20E-03
6.73E+01	-1.37E-02	-7.70E-04	2.41E-03
6.73E+01	-1.40E-02	-8.28E-05	2.26E-03
6.73E+01	-1.42E-02	6.17E-04	1.77E-03
6.73E+01	-1.42E-02	1.28E-03	1.07E-03
6.73E+01	-1.42E-02	1.84E-03	2.32E-04
6.74E+01	-1.41E-02	2.28E-03	-4.92E-04
6.74E+01	-1.41E-02	2.54E-03	-1.03E-03
6.74E+01	-1.41E-02	2.53E-03	-1.54E-03
6.74E+01	-1.42E-02	2.24E-03	-2.05E-03
6.74E+01	-1.43E-02	1.81E-03	-2.64E-03
6.74E+01	-1.45E-02	1.31E-03	-3.18E-03
6.74E+01	-1.47E-02	8.43E-04	-3.63E-03
6.74E+01	-1.48E-02	4.30E-04	-4.07E-03
6.74E+01	-1.48E-02	1.37E-04	-4.29E-03
6.74E+01	-1.46E-02	1.54E-05	-4.32E-03
6.74E+01	-1.43E-02	8.58E-06	-4.32E-03
6.74E+01	-1.40E-02	6.96E-05	-4.34E-03
6.74E+01	-1.36E-02	1.26E-04	-4.40E-03
6.74E+01	-1.31E-02	1.21E-04	-4.40E-03
6.74E+01	-1.25E-02	-1.58E-05	-4.27E-03

6.74E+01	-1.20E-02	-3.85E-04	-3.99E-03
6.74E+01	-1.15E-02	-8.83E-04	-3.39E-03
6.74E+01	-1.10E-02	-1.48E-03	-2.63E-03
6.74E+01	-1.05E-02	-2.23E-03	-2.02E-03
6.74E+01	-1.01E-02	-3.02E-03	-1.64E-03
6.75E+01	-9.69E-03	-3.71E-03	-1.44E-03
6.75E+01	-9.21E-03	-4.16E-03	-1.36E-03
6.75E+01	-8.75E-03	-4.38E-03	-1.59E-03
6.75E+01	-8.29E-03	-4.47E-03	-2.14E-03
6.75E+01	-7.81E-03	-4.42E-03	-2.69E-03
6.75E+01	-7.38E-03	-4.33E-03	-3.15E-03
6.75E+01	-7.00E-03	-4.32E-03	-3.59E-03
6.75E+01	-6.69E-03	-4.37E-03	-3.89E-03
6.75E+01	-6.42E-03	-4.52E-03	-4.04E-03
6.75E+01	-6.11E-03	-4.71E-03	-4.04E-03
6.75E+01	-5.85E-03	-4.85E-03	-3.93E-03
6.75E+01	-5.59E-03	-4.91E-03	-3.85E-03
6.75E+01	-5.27E-03	-4.87E-03	-3.73E-03
6.75E+01	-4.86E-03	-4.79E-03	-3.47E-03
6.75E+01	-4.32E-03	-4.80E-03	-3.05E-03
6.75E+01	-3.69E-03	-4.98E-03	-2.59E-03
6.75E+01	-3.01E-03	-5.34E-03	-2.36E-03
6.75E+01	-2.29E-03	-5.82E-03	-2.40E-03
6.75E+01	-1.61E-03	-6.34E-03	-2.57E-03
6.75E+01	-1.02E-03	-6.89E-03	-2.75E-03
6.76E+01	-5.37E-04	-7.42E-03	-2.86E-03
6.76E+01	-1.77E-04	-7.90E-03	-2.80E-03
6.76E+01	6.08E-05	-8.34E-03	-2.71E-03
6.76E+01	1.95E-04	-8.77E-03	-2.69E-03
6.76E+01	2.72E-04	-9.15E-03	-2.70E-03
6.76E+01	4.17E-04	-9.41E-03	-2.68E-03
6.76E+01	6.41E-04	-9.56E-03	-2.62E-03
6.76E+01	8.94E-04	-9.68E-03	-2.71E-03
6.76E+01	1.20E-03	-9.77E-03	-3.08E-03
6.76E+01	1.57E-03	-9.83E-03	-3.54E-03
6.76E+01	2.00E-03	-9.90E-03	-4.08E-03
6.76E+01	2.36E-03	-1.00E-02	-4.65E-03
6.76E+01	2.53E-03	-1.01E-02	-5.20E-03
6.76E+01	2.50E-03	-1.02E-02	-5.78E-03
6.76E+01	2.23E-03	-1.01E-02	-6.27E-03
6.76E+01	1.67E-03	-9.71E-03	-6.64E-03
6.76E+01	9.87E-04	-9.12E-03	-6.96E-03
6.76E+01	3.01E-04	-8.27E-03	-6.95E-03
6.76E+01	-3.20E-04	-7.27E-03	-6.53E-03
6.76E+01	-8.72E-04	-6.31E-03	-5.90E-03
6.77E+01	-1.34E-03	-5.46E-03	-5.26E-03
6.77E+01	-1.65E-03	-4.74E-03	-4.79E-03

6.77E+01	-1.79E-03	-4.18E-03	-4.41E-03
6.77E+01	-1.85E-03	-3.75E-03	-4.05E-03
6.77E+01	-1.80E-03	-3.41E-03	-3.84E-03
6.77E+01	-1.60E-03	-3.05E-03	-3.69E-03
6.77E+01	-1.28E-03	-2.65E-03	-3.54E-03
6.77E+01	-9.25E-04	-2.28E-03	-3.34E-03
6.77E+01	-5.92E-04	-2.02E-03	-2.97E-03
6.77E+01	-3.04E-04	-1.91E-03	-2.62E-03
6.77E+01	-7.13E-05	-1.91E-03	-2.39E-03
6.77E+01	2.21E-05	-2.03E-03	-2.28E-03
6.77E+01	1.11E-05	-2.23E-03	-2.28E-03
6.77E+01	-1.85E-05	-2.47E-03	-2.28E-03
6.77E+01	-1.10E-04	-2.72E-03	-2.31E-03
6.77E+01	-2.66E-04	-2.98E-03	-2.47E-03
6.77E+01	-4.57E-04	-3.26E-03	-2.78E-03
6.77E+01	-6.21E-04	-3.57E-03	-3.36E-03
6.77E+01	-6.39E-04	-3.85E-03	-4.12E-03
6.77E+01	-5.62E-04	-4.03E-03	-4.75E-03
6.78E+01	-3.99E-04	-4.12E-03	-5.17E-03
6.78E+01	-1.03E-04	-4.14E-03	-5.37E-03
6.78E+01	1.73E-04	-4.15E-03	-5.39E-03
6.78E+01	3.59E-04	-4.22E-03	-5.49E-03
6.78E+01	4.13E-04	-4.37E-03	-5.69E-03
6.78E+01	2.95E-04	-4.59E-03	-5.88E-03
6.78E+01	1.72E-04	-4.73E-03	-5.91E-03
6.78E+01	5.34E-05	-4.71E-03	-5.74E-03
6.78E+01	-8.77E-05	-4.54E-03	-5.35E-03
6.78E+01	-9.46E-05	-4.14E-03	-4.65E-03
6.78E+01	4.83E-05	-3.56E-03	-3.92E-03
6.78E+01	2.67E-04	-2.94E-03	-3.51E-03
6.78E+01	5.02E-04	-2.33E-03	-3.39E-03
6.78E+01	7.44E-04	-1.81E-03	-3.53E-03
6.78E+01	1.01E-03	-1.41E-03	-3.98E-03
6.78E+01	1.18E-03	-1.18E-03	-4.67E-03
6.78E+01	1.24E-03	-1.16E-03	-5.30E-03
6.78E+01	1.28E-03	-1.28E-03	-5.44E-03
6.78E+01	1.26E-03	-1.53E-03	-5.06E-03
6.78E+01	1.23E-03	-1.97E-03	-4.50E-03
6.79E+01	1.16E-03	-2.52E-03	-3.89E-03
6.79E+01	1.13E-03	-3.04E-03	-3.27E-03
6.79E+01	1.22E-03	-3.52E-03	-2.81E-03
6.79E+01	1.45E-03	-3.89E-03	-2.47E-03
6.79E+01	1.84E-03	-4.15E-03	-2.12E-03
6.79E+01	2.33E-03	-4.32E-03	-1.76E-03
6.79E+01	2.86E-03	-4.46E-03	-1.51E-03
6.79E+01	3.38E-03	-4.69E-03	-1.54E-03
6.79E+01	3.86E-03	-4.97E-03	-1.80E-03

6.79E+01	4.29E-03	-5.23E-03	-2.10E-03
6.79E+01	4.68E-03	-5.46E-03	-2.37E-03
6.79E+01	5.04E-03	-5.63E-03	-2.56E-03
6.79E+01	5.32E-03	-5.72E-03	-2.70E-03
6.79E+01	5.52E-03	-5.67E-03	-2.89E-03
6.79E+01	5.63E-03	-5.47E-03	-3.08E-03
6.79E+01	5.62E-03	-5.21E-03	-3.20E-03
6.79E+01	5.54E-03	-4.95E-03	-3.20E-03
6.79E+01	5.37E-03	-4.70E-03	-2.88E-03
6.79E+01	5.10E-03	-4.39E-03	-2.27E-03
6.79E+01	4.88E-03	-4.00E-03	-1.62E-03
6.80E+01	4.63E-03	-3.64E-03	-1.03E-03
6.80E+01	4.42E-03	-3.28E-03	-4.70E-04
6.80E+01	4.36E-03	-2.90E-03	1.30E-04
6.80E+01	4.36E-03	-2.60E-03	7.85E-04
6.80E+01	4.46E-03	-2.34E-03	1.46E-03
6.80E+01	4.55E-03	-2.17E-03	2.06E-03
6.80E+01	4.64E-03	-2.10E-03	2.47E-03
6.80E+01	4.71E-03	-2.10E-03	2.75E-03
6.80E+01	4.65E-03	-2.23E-03	2.80E-03
6.80E+01	4.47E-03	-2.51E-03	2.52E-03
6.80E+01	4.18E-03	-2.83E-03	2.02E-03
6.80E+01	3.78E-03	-3.14E-03	1.41E-03
6.80E+01	3.33E-03	-3.44E-03	8.47E-04
6.80E+01	2.84E-03	-3.66E-03	4.80E-04
6.80E+01	2.40E-03	-3.80E-03	2.65E-04
6.80E+01	2.02E-03	-3.94E-03	1.35E-04
6.80E+01	1.64E-03	-4.09E-03	4.39E-05
6.80E+01	1.31E-03	-4.25E-03	-3.05E-05
6.80E+01	1.08E-03	-4.37E-03	-1.52E-04
6.80E+01	9.21E-04	-4.45E-03	-3.73E-04
6.81E+01	7.87E-04	-4.51E-03	-5.61E-04
6.81E+01	6.42E-04	-4.52E-03	-5.19E-04
6.81E+01	4.66E-04	-4.61E-03	-1.65E-04
6.81E+01	1.88E-04	-4.80E-03	3.11E-04
6.81E+01	-2.86E-04	-5.07E-03	6.35E-04
6.81E+01	-9.19E-04	-5.37E-03	8.79E-04
6.81E+01	-1.59E-03	-5.55E-03	1.29E-03
6.81E+01	-2.25E-03	-5.61E-03	1.72E-03
6.81E+01	-2.90E-03	-5.59E-03	1.82E-03
6.81E+01	-3.53E-03	-5.40E-03	1.74E-03
6.81E+01	-4.09E-03	-5.06E-03	1.62E-03
6.81E+01	-4.57E-03	-4.59E-03	1.47E-03
6.81E+01	-5.01E-03	-4.07E-03	1.34E-03
6.81E+01	-5.41E-03	-3.54E-03	1.21E-03
6.81E+01	-5.65E-03	-3.04E-03	1.14E-03
6.81E+01	-5.76E-03	-2.60E-03	1.12E-03

6.81E+01	-5.76E-03	-2.26E-03	1.01E-03
6.81E+01	-5.62E-03	-1.97E-03	8.28E-04
6.81E+01	-5.34E-03	-1.62E-03	6.82E-04
6.81E+01	-4.82E-03	-1.15E-03	6.50E-04
6.82E+01	-4.09E-03	-6.51E-04	7.88E-04
6.82E+01	-3.25E-03	-1.89E-04	9.92E-04
6.82E+01	-2.28E-03	2.65E-04	1.29E-03
6.82E+01	-1.19E-03	7.24E-04	1.84E-03
6.82E+01	-6.12E-05	1.07E-03	2.44E-03
6.82E+01	1.02E-03	1.25E-03	2.81E-03
6.82E+01	1.99E-03	1.31E-03	2.94E-03
6.82E+01	2.84E-03	1.33E-03	2.84E-03
6.82E+01	3.54E-03	1.35E-03	2.50E-03
6.82E+01	4.03E-03	1.25E-03	1.90E-03
6.82E+01	4.35E-03	1.08E-03	1.27E-03
6.82E+01	4.59E-03	9.08E-04	9.58E-04
6.82E+01	4.67E-03	7.20E-04	9.62E-04
6.82E+01	4.60E-03	5.22E-04	1.16E-03
6.82E+01	4.47E-03	3.31E-04	1.43E-03
6.82E+01	4.28E-03	1.63E-04	1.67E-03
6.82E+01	4.07E-03	2.99E-05	1.79E-03
6.82E+01	3.82E-03	-9.71E-05	1.64E-03
6.82E+01	3.61E-03	-2.08E-04	1.27E-03
6.82E+01	3.45E-03	-2.29E-04	9.91E-04
6.83E+01	3.30E-03	-1.94E-04	9.76E-04
6.83E+01	3.14E-03	-1.87E-04	1.29E-03
6.83E+01	2.95E-03	-2.21E-04	1.85E-03
6.83E+01	2.76E-03	-3.02E-04	2.36E-03
6.83E+01	2.61E-03	-4.04E-04	2.71E-03
6.83E+01	2.49E-03	-4.96E-04	2.92E-03
6.83E+01	2.51E-03	-5.70E-04	3.00E-03
6.83E+01	2.70E-03	-5.78E-04	3.01E-03
6.83E+01	2.98E-03	-4.66E-04	2.86E-03
6.83E+01	3.30E-03	-2.38E-04	2.60E-03
6.83E+01	3.62E-03	7.63E-05	2.44E-03
6.83E+01	3.99E-03	3.65E-04	2.40E-03
6.83E+01	4.38E-03	5.18E-04	2.46E-03
6.83E+01	4.68E-03	5.08E-04	2.64E-03
6.83E+01	4.91E-03	3.44E-04	2.81E-03
6.83E+01	5.09E-03	1.48E-04	2.92E-03
6.83E+01	5.18E-03	4.16E-05	3.02E-03
6.83E+01	5.18E-03	6.75E-05	3.14E-03
6.83E+01	5.08E-03	2.37E-04	3.36E-03
6.83E+01	4.86E-03	4.61E-04	3.69E-03
6.84E+01	4.58E-03	6.65E-04	4.11E-03
6.84E+01	4.22E-03	7.88E-04	4.57E-03
6.84E+01	3.79E-03	8.13E-04	4.98E-03

6.84E+01	3.37E-03	8.34E-04	5.49E-03
6.84E+01	2.98E-03	9.24E-04	6.11E-03
6.84E+01	2.56E-03	1.09E-03	6.55E-03
6.84E+01	2.11E-03	1.38E-03	6.77E-03
6.84E+01	1.70E-03	1.91E-03	6.94E-03
6.84E+01	1.37E-03	2.62E-03	7.03E-03
6.84E+01	1.04E-03	3.38E-03	7.03E-03
6.84E+01	7.04E-04	4.19E-03	6.99E-03
6.84E+01	4.03E-04	4.99E-03	6.89E-03
6.84E+01	1.45E-04	5.70E-03	6.70E-03
6.84E+01	-1.33E-04	6.28E-03	6.27E-03
6.84E+01	-4.14E-04	6.74E-03	5.74E-03
6.84E+01	-6.39E-04	7.13E-03	5.47E-03
6.84E+01	-8.17E-04	7.51E-03	5.44E-03
6.84E+01	-1.01E-03	7.83E-03	5.41E-03
6.84E+01	-1.20E-03	8.05E-03	5.20E-03
6.84E+01	-1.28E-03	8.24E-03	4.78E-03
6.85E+01	-1.24E-03	8.36E-03	4.34E-03
6.85E+01	-1.03E-03	8.36E-03	3.94E-03
6.85E+01	-6.41E-04	8.30E-03	3.69E-03
6.85E+01	-9.10E-05	8.19E-03	3.64E-03
6.85E+01	5.87E-04	8.06E-03	3.66E-03
6.85E+01	1.33E-03	7.95E-03	3.80E-03
6.85E+01	2.06E-03	7.81E-03	4.14E-03
6.85E+01	2.77E-03	7.65E-03	4.51E-03
6.85E+01	3.39E-03	7.48E-03	4.80E-03
6.85E+01	3.91E-03	7.26E-03	4.93E-03
6.85E+01	4.31E-03	6.99E-03	5.01E-03
6.85E+01	4.63E-03	6.68E-03	5.13E-03
6.85E+01	4.95E-03	6.36E-03	5.24E-03
6.85E+01	5.26E-03	6.01E-03	5.38E-03
6.85E+01	5.57E-03	5.57E-03	5.51E-03
6.85E+01	5.91E-03	5.07E-03	5.57E-03
6.85E+01	6.26E-03	4.60E-03	5.46E-03
6.85E+01	6.60E-03	4.17E-03	4.99E-03
6.85E+01	6.86E-03	3.85E-03	4.24E-03
6.85E+01	7.03E-03	3.59E-03	3.32E-03
6.86E+01	7.22E-03	3.37E-03	2.35E-03
6.86E+01	7.40E-03	3.25E-03	1.59E-03
6.86E+01	7.51E-03	3.15E-03	1.07E-03
6.86E+01	7.53E-03	3.01E-03	7.65E-04
6.86E+01	7.42E-03	2.83E-03	6.71E-04
6.86E+01	7.23E-03	2.58E-03	5.63E-04
6.86E+01	7.03E-03	2.28E-03	5.07E-04
6.86E+01	6.86E-03	2.05E-03	7.31E-04
6.86E+01	6.79E-03	1.90E-03	1.04E-03
6.86E+01	6.82E-03	1.79E-03	1.27E-03

6.86E+01	6.86E-03	1.73E-03	1.41E-03
6.86E+01	6.95E-03	1.69E-03	1.46E-03
6.86E+01	7.18E-03	1.69E-03	1.53E-03
6.86E+01	7.48E-03	1.66E-03	1.67E-03
6.86E+01	7.77E-03	1.59E-03	1.80E-03
6.86E+01	7.99E-03	1.63E-03	2.05E-03
6.86E+01	8.13E-03	1.75E-03	2.44E-03
6.86E+01	8.19E-03	1.94E-03	2.87E-03
6.86E+01	8.09E-03	2.14E-03	3.24E-03
6.86E+01	7.85E-03	2.32E-03	3.47E-03
6.87E+01	7.53E-03	2.49E-03	3.57E-03
6.87E+01	7.14E-03	2.59E-03	3.37E-03
6.87E+01	6.73E-03	2.62E-03	2.84E-03
6.87E+01	6.33E-03	2.68E-03	2.19E-03
6.87E+01	6.01E-03	2.78E-03	1.61E-03
6.87E+01	5.82E-03	2.96E-03	1.28E-03
6.87E+01	5.60E-03	3.13E-03	1.10E-03
6.87E+01	5.37E-03	3.27E-03	8.19E-04
6.87E+01	5.22E-03	3.45E-03	5.49E-04
6.87E+01	5.13E-03	3.60E-03	2.69E-04
6.87E+01	5.14E-03	3.72E-03	-1.17E-04
6.87E+01	5.28E-03	3.92E-03	-4.33E-04
6.87E+01	5.61E-03	4.22E-03	-6.00E-04
6.87E+01	6.10E-03	4.65E-03	-6.08E-04
6.87E+01	6.60E-03	5.17E-03	-3.93E-04
6.87E+01	7.09E-03	5.72E-03	-6.39E-05
6.87E+01	7.56E-03	6.24E-03	3.89E-04
6.87E+01	7.87E-03	6.67E-03	9.17E-04
6.87E+01	8.00E-03	6.93E-03	1.26E-03
6.87E+01	7.88E-03	7.06E-03	1.39E-03
6.88E+01	7.53E-03	7.10E-03	1.26E-03
6.88E+01	7.06E-03	7.18E-03	1.00E-03
6.88E+01	6.45E-03	7.32E-03	8.79E-04
6.88E+01	5.77E-03	7.49E-03	8.39E-04
6.88E+01	5.11E-03	7.77E-03	8.61E-04
6.88E+01	4.45E-03	8.12E-03	8.70E-04
6.88E+01	3.81E-03	8.47E-03	6.42E-04
6.88E+01	3.26E-03	8.77E-03	2.54E-04
6.88E+01	2.86E-03	9.03E-03	-8.39E-05
6.88E+01	2.72E-03	9.27E-03	-1.92E-04
6.88E+01	2.77E-03	9.48E-03	6.68E-06
6.88E+01	2.93E-03	9.61E-03	2.44E-04
6.88E+01	3.24E-03	9.63E-03	3.49E-04
6.88E+01	3.67E-03	9.60E-03	3.73E-04
6.88E+01	4.21E-03	9.45E-03	1.98E-04
6.88E+01	4.86E-03	9.21E-03	-1.91E-04
6.88E+01	5.55E-03	8.92E-03	-6.93E-04

6.88E+01	6.28E-03	8.60E-03	-1.12E-03
6.88E+01	7.03E-03	8.43E-03	-1.29E-03
6.88E+01	7.65E-03	8.17E-03	-1.50E-03
6.89E+01	8.16E-03	7.74E-03	-1.83E-03
6.89E+01	8.57E-03	7.38E-03	-2.06E-03
6.89E+01	8.84E-03	6.98E-03	-2.35E-03
6.89E+01	9.01E-03	6.60E-03	-2.71E-03
6.89E+01	9.06E-03	6.30E-03	-2.92E-03
6.89E+01	8.98E-03	6.03E-03	-3.05E-03
6.89E+01	8.84E-03	5.83E-03	-3.01E-03
6.89E+01	8.54E-03	5.60E-03	-2.78E-03
6.89E+01	8.08E-03	5.33E-03	-2.46E-03
6.89E+01	7.55E-03	4.99E-03	-2.19E-03
6.89E+01	6.98E-03	4.59E-03	-2.19E-03
6.89E+01	6.46E-03	4.26E-03	-2.33E-03
6.89E+01	6.02E-03	3.96E-03	-2.40E-03
6.89E+01	5.80E-03	3.76E-03	-2.33E-03
6.89E+01	5.82E-03	3.67E-03	-1.97E-03
6.89E+01	6.04E-03	3.56E-03	-1.41E-03
6.89E+01	6.49E-03	3.37E-03	-8.91E-04
6.89E+01	7.05E-03	3.07E-03	-5.04E-04
6.89E+01	7.71E-03	2.72E-03	-3.19E-04
6.89E+01	8.44E-03	2.37E-03	-2.68E-04
6.90E+01	9.14E-03	2.04E-03	-3.28E-04
6.90E+01	9.87E-03	1.82E-03	-5.79E-04
6.90E+01	1.06E-02	1.69E-03	-9.31E-04
6.90E+01	1.11E-02	1.67E-03	-1.41E-03
6.90E+01	1.15E-02	1.77E-03	-2.00E-03
6.90E+01	1.19E-02	1.97E-03	-2.31E-03
6.90E+01	1.22E-02	2.23E-03	-2.25E-03
6.90E+01	1.24E-02	2.51E-03	-1.97E-03
6.90E+01	1.25E-02	2.76E-03	-1.62E-03
6.90E+01	1.25E-02	3.00E-03	-1.49E-03
6.90E+01	1.25E-02	3.34E-03	-1.62E-03
6.90E+01	1.23E-02	3.76E-03	-1.92E-03
6.90E+01	1.21E-02	4.27E-03	-2.24E-03
6.90E+01	1.20E-02	4.85E-03	-2.36E-03
6.90E+01	1.18E-02	5.48E-03	-2.26E-03
6.90E+01	1.17E-02	6.05E-03	-2.02E-03
6.90E+01	1.14E-02	6.51E-03	-1.71E-03
6.90E+01	1.12E-02	6.85E-03	-1.52E-03
6.90E+01	1.09E-02	7.09E-03	-1.57E-03
6.90E+01	1.05E-02	7.36E-03	-1.95E-03
6.91E+01	1.01E-02	7.65E-03	-2.57E-03
6.91E+01	9.83E-03	7.99E-03	-3.07E-03
6.91E+01	9.61E-03	8.52E-03	-3.45E-03
6.91E+01	9.38E-03	9.08E-03	-3.79E-03

6.91E+01	9.17E-03	9.56E-03	-3.95E-03
6.91E+01	9.05E-03	9.98E-03	-4.02E-03
6.91E+01	8.97E-03	1.02E-02	-4.05E-03
6.91E+01	8.88E-03	1.04E-02	-4.12E-03
6.91E+01	8.75E-03	1.04E-02	-4.39E-03
6.91E+01	8.68E-03	1.05E-02	-4.60E-03
6.91E+01	8.64E-03	1.07E-02	-4.57E-03
6.91E+01	8.51E-03	1.09E-02	-4.57E-03
6.91E+01	8.30E-03	1.11E-02	-4.59E-03
6.91E+01	8.03E-03	1.13E-02	-4.59E-03
6.91E+01	7.83E-03	1.14E-02	-4.46E-03
6.91E+01	7.66E-03	1.15E-02	-4.04E-03
6.91E+01	7.49E-03	1.15E-02	-3.42E-03
6.91E+01	7.36E-03	1.14E-02	-2.73E-03
6.91E+01	7.21E-03	1.14E-02	-2.08E-03
6.91E+01	6.95E-03	1.14E-02	-1.67E-03
6.92E+01	6.58E-03	1.14E-02	-1.42E-03
6.92E+01	6.14E-03	1.16E-02	-1.12E-03
6.92E+01	5.72E-03	1.19E-02	-6.27E-04
6.92E+01	5.28E-03	1.23E-02	3.62E-06
6.92E+01	4.80E-03	1.26E-02	5.99E-04
6.92E+01	4.38E-03	1.27E-02	1.17E-03
6.92E+01	4.03E-03	1.27E-02	1.61E-03
6.92E+01	3.72E-03	1.26E-02	1.64E-03
6.92E+01	3.41E-03	1.23E-02	1.20E-03
6.92E+01	3.18E-03	1.19E-02	5.04E-04
6.92E+01	3.08E-03	1.15E-02	-2.73E-04
6.92E+01	3.05E-03	1.11E-02	-7.70E-04
6.92E+01	3.05E-03	1.07E-02	-9.92E-04
6.92E+01	3.00E-03	1.03E-02	-1.28E-03
6.92E+01	2.86E-03	9.91E-03	-1.67E-03
6.92E+01	2.65E-03	9.64E-03	-2.32E-03
6.92E+01	2.33E-03	9.45E-03	-3.17E-03
6.92E+01	1.98E-03	9.41E-03	-3.96E-03
6.92E+01	1.73E-03	9.58E-03	-4.57E-03
6.92E+01	1.54E-03	9.78E-03	-4.94E-03
6.93E+01	1.34E-03	9.87E-03	-5.22E-03
6.93E+01	1.19E-03	9.92E-03	-5.28E-03
6.93E+01	1.17E-03	9.96E-03	-5.09E-03
6.93E+01	1.21E-03	9.97E-03	-5.02E-03
6.93E+01	1.29E-03	9.96E-03	-4.98E-03
6.93E+01	1.40E-03	9.98E-03	-4.80E-03
6.93E+01	1.59E-03	1.01E-02	-4.56E-03
6.93E+01	1.82E-03	1.03E-02	-4.23E-03
6.93E+01	1.93E-03	1.05E-02	-3.78E-03
6.93E+01	1.92E-03	1.06E-02	-3.25E-03
6.93E+01	1.88E-03	1.06E-02	-2.62E-03

6.93E+01	1.80E-03	1.05E-02	-1.97E-03
6.93E+01	1.70E-03	1.02E-02	-1.33E-03
6.93E+01	1.68E-03	9.79E-03	-8.67E-04
6.93E+01	1.82E-03	9.29E-03	-6.58E-04
6.93E+01	2.06E-03	8.82E-03	-6.19E-04
6.93E+01	2.38E-03	8.29E-03	-8.87E-04
6.93E+01	2.79E-03	7.82E-03	-1.23E-03
6.93E+01	3.20E-03	7.57E-03	-1.53E-03
6.93E+01	3.74E-03	7.38E-03	-1.80E-03
6.94E+01	4.28E-03	7.23E-03	-1.79E-03
6.94E+01	4.74E-03	7.13E-03	-1.66E-03
6.94E+01	5.24E-03	7.03E-03	-1.61E-03
6.94E+01	5.67E-03	6.96E-03	-1.72E-03
6.94E+01	6.03E-03	6.87E-03	-2.00E-03
6.94E+01	6.35E-03	6.85E-03	-2.32E-03
6.94E+01	6.57E-03	6.86E-03	-2.74E-03
6.94E+01	6.68E-03	6.93E-03	-3.18E-03
6.94E+01	6.67E-03	7.20E-03	-3.67E-03
6.94E+01	6.58E-03	7.39E-03	-4.14E-03
6.94E+01	6.48E-03	7.59E-03	-4.32E-03
6.94E+01	6.41E-03	7.91E-03	-4.34E-03
6.94E+01	6.31E-03	8.15E-03	-4.36E-03
6.94E+01	6.29E-03	8.46E-03	-4.30E-03
6.94E+01	6.37E-03	8.79E-03	-4.30E-03
6.94E+01	6.48E-03	9.04E-03	-4.34E-03
6.94E+01	6.60E-03	9.41E-03	-4.37E-03
6.94E+01	6.58E-03	9.71E-03	-4.42E-03
6.94E+01	6.53E-03	9.98E-03	-4.56E-03
6.94E+01	6.44E-03	1.03E-02	-4.82E-03
6.95E+01	6.21E-03	1.04E-02	-4.92E-03
6.95E+01	5.99E-03	1.05E-02	-4.69E-03
6.95E+01	5.79E-03	1.07E-02	-4.28E-03
6.95E+01	5.58E-03	1.07E-02	-3.82E-03
6.95E+01	5.38E-03	1.06E-02	-3.48E-03
6.95E+01	5.17E-03	1.05E-02	-3.23E-03
6.95E+01	5.08E-03	1.04E-02	-3.02E-03
6.95E+01	5.08E-03	1.03E-02	-2.99E-03
6.95E+01	5.13E-03	1.02E-02	-3.14E-03
6.95E+01	5.22E-03	1.02E-02	-3.33E-03
6.95E+01	5.28E-03	1.01E-02	-3.45E-03
6.95E+01	5.36E-03	9.93E-03	-3.35E-03
6.95E+01	5.40E-03	9.70E-03	-3.01E-03
6.95E+01	5.32E-03	9.39E-03	-2.58E-03
6.95E+01	5.19E-03	9.11E-03	-2.15E-03
6.95E+01	4.96E-03	8.93E-03	-1.71E-03
6.95E+01	4.62E-03	8.89E-03	-1.33E-03
6.95E+01	4.20E-03	8.92E-03	-1.11E-03

6.95E+01	3.69E-03	9.02E-03	-1.01E-03
6.95E+01	3.23E-03	9.12E-03	-9.69E-04
6.96E+01	2.87E-03	9.11E-03	-9.04E-04
6.96E+01	2.54E-03	8.89E-03	-7.63E-04
6.96E+01	2.39E-03	8.52E-03	-6.82E-04
6.96E+01	2.43E-03	8.05E-03	-6.90E-04
6.96E+01	2.62E-03	7.43E-03	-6.71E-04
6.96E+01	2.96E-03	6.77E-03	-5.59E-04
6.96E+01	3.32E-03	6.07E-03	-2.54E-04
6.96E+01	3.74E-03	5.41E-03	1.38E-04
6.96E+01	4.15E-03	4.84E-03	2.21E-04
6.96E+01	4.38E-03	4.22E-03	-6.81E-05
6.96E+01	4.53E-03	3.73E-03	-5.13E-04
6.96E+01	4.61E-03	3.33E-03	-1.03E-03
6.96E+01	4.55E-03	3.00E-03	-1.48E-03
6.96E+01	4.36E-03	2.84E-03	-1.84E-03
6.96E+01	4.04E-03	2.71E-03	-2.11E-03
6.96E+01	3.70E-03	2.71E-03	-2.12E-03
6.96E+01	3.33E-03	2.86E-03	-2.02E-03
6.96E+01	2.82E-03	3.02E-03	-1.88E-03
6.96E+01	2.30E-03	3.30E-03	-1.65E-03
6.96E+01	1.82E-03	3.66E-03	-1.46E-03
6.97E+01	1.39E-03	4.01E-03	-1.35E-03
6.97E+01	1.08E-03	4.38E-03	-1.26E-03
6.97E+01	8.56E-04	4.69E-03	-1.13E-03
6.97E+01	7.67E-04	5.00E-03	-8.51E-04
6.97E+01	7.52E-04	5.29E-03	-5.32E-04
6.97E+01	6.89E-04	5.45E-03	-4.34E-04
6.97E+01	5.95E-04	5.57E-03	-6.78E-04
6.97E+01	5.23E-04	5.72E-03	-1.15E-03
6.97E+01	5.13E-04	5.85E-03	-1.69E-03
6.97E+01	5.50E-04	5.97E-03	-2.14E-03
6.97E+01	6.17E-04	6.07E-03	-2.38E-03
6.97E+01	7.42E-04	6.12E-03	-2.36E-03
6.97E+01	8.96E-04	6.09E-03	-2.18E-03
6.97E+01	1.08E-03	5.89E-03	-2.05E-03
6.97E+01	1.32E-03	5.46E-03	-2.02E-03
6.97E+01	1.65E-03	4.91E-03	-2.00E-03
6.97E+01	2.04E-03	4.32E-03	-1.94E-03
6.97E+01	2.36E-03	3.71E-03	-1.90E-03
6.97E+01	2.61E-03	3.15E-03	-1.75E-03
6.97E+01	2.77E-03	2.69E-03	-1.37E-03
6.98E+01	2.77E-03	2.28E-03	-8.93E-04
6.98E+01	2.57E-03	1.92E-03	-4.74E-04
6.98E+01	2.12E-03	1.69E-03	-7.40E-05
6.98E+01	1.52E-03	1.60E-03	3.67E-04
6.98E+01	8.11E-04	1.64E-03	7.23E-04

6.98E+01	-5.72E-07	1.79E-03	8.84E-04
6.98E+01	-8.20E-04	2.00E-03	9.59E-04
6.98E+01	-1.52E-03	2.25E-03	1.17E-03
6.98E+01	-2.09E-03	2.47E-03	1.55E-03
6.98E+01	-2.55E-03	2.49E-03	1.81E-03
6.98E+01	-2.87E-03	2.34E-03	1.75E-03
6.98E+01	-3.02E-03	2.12E-03	1.51E-03
6.98E+01	-3.00E-03	1.86E-03	1.14E-03
6.98E+01	-2.87E-03	1.56E-03	6.41E-04
6.98E+01	-2.64E-03	1.22E-03	9.25E-05
6.98E+01	-2.31E-03	9.23E-04	-2.85E-04
6.98E+01	-1.97E-03	6.82E-04	-4.19E-04
6.98E+01	-1.68E-03	4.06E-04	-5.14E-04
6.98E+01	-1.48E-03	1.14E-04	-6.53E-04
6.98E+01	-1.37E-03	-1.58E-04	-8.60E-04
6.99E+01	-1.29E-03	-3.93E-04	-1.05E-03
6.99E+01	-1.26E-03	-5.80E-04	-1.10E-03
6.99E+01	-1.25E-03	-8.02E-04	-1.16E-03
6.99E+01	-1.21E-03	-9.62E-04	-1.15E-03
6.99E+01	-1.16E-03	-9.81E-04	-9.81E-04
6.99E+01	-1.14E-03	-9.37E-04	-7.04E-04
6.99E+01	-1.18E-03	-8.26E-04	-2.43E-04
6.99E+01	-1.30E-03	-6.92E-04	3.27E-04
6.99E+01	-1.50E-03	-5.42E-04	8.77E-04
6.99E+01	-1.80E-03	-3.88E-04	1.33E-03
6.99E+01	-2.24E-03	-3.03E-04	1.64E-03
6.99E+01	-2.76E-03	-2.45E-04	1.91E-03
6.99E+01	-3.33E-03	-1.83E-04	2.14E-03
6.99E+01	-3.97E-03	-1.77E-04	2.26E-03
6.99E+01	-4.65E-03	-2.62E-04	2.37E-03
6.99E+01	-5.35E-03	-4.14E-04	2.51E-03
6.99E+01	-6.00E-03	-6.49E-04	2.49E-03
6.99E+01	-6.60E-03	-9.64E-04	2.22E-03
6.99E+01	-7.22E-03	-1.33E-03	1.76E-03
6.99E+01	-7.81E-03	-1.69E-03	1.26E-03
7.00E+01	-8.38E-03	-2.00E-03	7.55E-04
7.00E+01	-8.96E-03	-2.31E-03	1.37E-04
7.00E+01	-9.55E-03	-2.60E-03	-4.36E-04
7.00E+01	-1.02E-02	-2.87E-03	-7.34E-04
7.00E+01	-1.07E-02	-3.11E-03	-7.10E-04
7.00E+01	-1.13E-02	-3.32E-03	-3.97E-04
7.00E+01	-1.17E-02	-3.51E-03	6.62E-05
7.00E+01	-1.21E-02	-3.60E-03	6.74E-04
7.00E+01	-1.22E-02	-3.54E-03	1.46E-03
7.00E+01	-1.22E-02	-3.40E-03	2.25E-03
7.00E+01	-1.21E-02	-3.21E-03	2.87E-03
7.00E+01	-1.18E-02	-2.94E-03	3.31E-03

7.00E+01	-1.15E-02	-2.64E-03	3.62E-03
7.00E+01	-1.12E-02	-2.36E-03	3.87E-03
7.00E+01	-1.09E-02	-2.19E-03	4.02E-03
7.00E+01	-1.06E-02	-2.14E-03	4.07E-03
7.00E+01	-1.04E-02	-2.16E-03	4.10E-03
7.00E+01	-1.01E-02	-2.33E-03	3.98E-03
7.00E+01	-9.95E-03	-2.63E-03	3.66E-03
7.00E+01	-9.78E-03	-3.01E-03	3.26E-03
7.01E+01	-9.60E-03	-3.42E-03	2.75E-03
7.01E+01	-9.37E-03	-3.79E-03	2.29E-03
7.01E+01	-9.17E-03	-4.17E-03	2.03E-03
7.01E+01	-9.03E-03	-4.58E-03	1.81E-03
7.01E+01	-8.87E-03	-5.02E-03	1.51E-03
7.01E+01	-8.68E-03	-5.49E-03	1.10E-03
7.01E+01	-8.49E-03	-5.99E-03	6.21E-04
7.01E+01	-8.25E-03	-6.51E-03	2.57E-04
7.01E+01	-7.93E-03	-7.05E-03	2.07E-04
7.01E+01	-7.55E-03	-7.56E-03	5.39E-04
7.01E+01	-7.18E-03	-8.05E-03	1.08E-03
7.01E+01	-6.87E-03	-8.53E-03	1.59E-03
7.01E+01	-6.60E-03	-8.96E-03	1.98E-03
7.01E+01	-6.35E-03	-9.37E-03	2.16E-03
7.01E+01	-6.17E-03	-9.75E-03	2.08E-03
7.01E+01	-6.05E-03	-1.01E-02	1.80E-03
7.01E+01	-5.94E-03	-1.03E-02	1.44E-03
7.01E+01	-5.86E-03	-1.03E-02	1.02E-03
7.01E+01	-5.87E-03	-1.02E-02	6.80E-04
7.01E+01	-5.92E-03	-1.00E-02	6.64E-04
7.02E+01	-6.01E-03	-9.83E-03	1.04E-03
7.02E+01	-6.25E-03	-9.64E-03	1.52E-03
7.02E+01	-6.65E-03	-9.50E-03	1.77E-03
7.02E+01	-7.16E-03	-9.32E-03	1.77E-03
7.02E+01	-7.71E-03	-9.03E-03	1.61E-03
7.02E+01	-8.21E-03	-8.58E-03	1.35E-03
7.02E+01	-8.70E-03	-7.96E-03	1.09E-03
7.02E+01	-9.17E-03	-7.27E-03	8.80E-04
7.02E+01	-9.61E-03	-6.57E-03	7.35E-04
7.02E+01	-1.01E-02	-5.97E-03	6.01E-04
7.02E+01	-1.05E-02	-5.55E-03	3.79E-04
7.02E+01	-1.09E-02	-5.24E-03	1.84E-04
7.02E+01	-1.13E-02	-4.98E-03	7.71E-05
7.02E+01	-1.16E-02	-4.76E-03	1.62E-05
7.02E+01	-1.18E-02	-4.60E-03	7.59E-05
7.02E+01	-1.21E-02	-4.41E-03	2.68E-04
7.02E+01	-1.23E-02	-4.22E-03	5.73E-04
7.02E+01	-1.24E-02	-4.08E-03	1.02E-03
7.02E+01	-1.26E-02	-4.04E-03	1.57E-03

7.02E+01	-1.27E-02	-4.11E-03	2.13E-03
7.03E+01	-1.28E-02	-4.31E-03	2.57E-03
7.03E+01	-1.30E-02	-4.63E-03	2.73E-03
7.03E+01	-1.31E-02	-5.00E-03	2.56E-03
7.03E+01	-1.31E-02	-5.39E-03	2.17E-03
7.03E+01	-1.32E-02	-5.75E-03	1.77E-03
7.03E+01	-1.32E-02	-6.05E-03	1.54E-03
7.03E+01	-1.32E-02	-6.34E-03	1.41E-03
7.03E+01	-1.33E-02	-6.65E-03	1.30E-03
7.03E+01	-1.34E-02	-6.99E-03	1.21E-03
7.03E+01	-1.35E-02	-7.30E-03	1.17E-03
7.03E+01	-1.37E-02	-7.64E-03	1.03E-03
7.03E+01	-1.39E-02	-8.03E-03	7.25E-04
7.03E+01	-1.41E-02	-8.38E-03	4.80E-04
7.03E+01	-1.43E-02	-8.72E-03	2.83E-04
7.03E+01	-1.46E-02	-9.10E-03	-1.54E-04
7.03E+01	-1.49E-02	-9.52E-03	-8.35E-04
7.03E+01	-1.52E-02	-9.90E-03	-1.52E-03
7.03E+01	-1.54E-02	-1.02E-02	-2.06E-03
7.03E+01	-1.55E-02	-1.06E-02	-2.44E-03
7.03E+01	-1.56E-02	-1.08E-02	-2.68E-03
7.04E+01	-1.55E-02	-1.10E-02	-2.76E-03
7.04E+01	-1.52E-02	-1.11E-02	-2.62E-03
7.04E+01	-1.48E-02	-1.10E-02	-2.35E-03
7.04E+01	-1.44E-02	-1.08E-02	-1.96E-03
7.04E+01	-1.39E-02	-1.06E-02	-1.41E-03
7.04E+01	-1.34E-02	-1.04E-02	-8.18E-04
7.04E+01	-1.29E-02	-1.02E-02	-2.91E-04
7.04E+01	-1.24E-02	-1.02E-02	1.59E-04
7.04E+01	-1.19E-02	-1.02E-02	6.61E-04
7.04E+01	-1.15E-02	-1.02E-02	1.30E-03
7.04E+01	-1.10E-02	-1.03E-02	1.88E-03
7.04E+01	-1.07E-02	-1.04E-02	2.28E-03
7.04E+01	-1.05E-02	-1.05E-02	2.45E-03
7.04E+01	-1.03E-02	-1.05E-02	2.35E-03
7.04E+01	-1.02E-02	-1.05E-02	2.10E-03
7.04E+01	-1.03E-02	-1.04E-02	1.76E-03
7.04E+01	-1.03E-02	-1.02E-02	1.34E-03
7.04E+01	-1.03E-02	-9.98E-03	8.86E-04
7.04E+01	-1.03E-02	-9.70E-03	4.38E-04
7.04E+01	-1.02E-02	-9.49E-03	5.19E-05
7.05E+01	-1.01E-02	-9.34E-03	-1.52E-04
7.05E+01	-9.84E-03	-9.22E-03	-9.33E-05
7.05E+01	-9.53E-03	-9.18E-03	2.56E-05
7.05E+01	-9.13E-03	-9.21E-03	-5.91E-05
7.05E+01	-8.67E-03	-9.26E-03	-4.36E-04
7.05E+01	-8.10E-03	-9.27E-03	-9.54E-04

7.05E+01	-7.37E-03	-9.22E-03	-1.35E-03
7.05E+01	-6.58E-03	-9.12E-03	-1.49E-03
7.05E+01	-5.77E-03	-8.95E-03	-1.42E-03
7.05E+01	-4.97E-03	-8.84E-03	-1.20E-03
7.05E+01	-4.23E-03	-8.79E-03	-8.83E-04
7.05E+01	-3.65E-03	-8.86E-03	-6.62E-04
7.05E+01	-3.18E-03	-9.10E-03	-5.77E-04
7.05E+01	-2.80E-03	-9.38E-03	-5.02E-04
7.05E+01	-2.51E-03	-9.66E-03	-4.64E-04
7.05E+01	-2.28E-03	-9.94E-03	-4.50E-04
7.05E+01	-2.13E-03	-1.01E-02	-3.81E-04
7.05E+01	-2.02E-03	-1.01E-02	-3.61E-04
7.05E+01	-1.95E-03	-1.01E-02	-5.53E-04
7.05E+01	-1.95E-03	-9.94E-03	-9.24E-04
7.06E+01	-1.98E-03	-9.75E-03	-1.33E-03
7.06E+01	-1.98E-03	-9.47E-03	-1.70E-03
7.06E+01	-1.97E-03	-9.07E-03	-2.07E-03
7.06E+01	-2.04E-03	-8.62E-03	-2.38E-03
7.06E+01	-2.19E-03	-8.10E-03	-2.52E-03
7.06E+01	-2.37E-03	-7.57E-03	-2.53E-03
7.06E+01	-2.55E-03	-7.11E-03	-2.40E-03
7.06E+01	-2.81E-03	-6.73E-03	-2.20E-03
7.06E+01	-3.16E-03	-6.45E-03	-2.25E-03
7.06E+01	-3.48E-03	-6.14E-03	-2.58E-03
7.06E+01	-3.81E-03	-5.86E-03	-3.09E-03
7.06E+01	-4.08E-03	-5.56E-03	-3.72E-03
7.06E+01	-4.32E-03	-5.23E-03	-4.29E-03
7.06E+01	-4.58E-03	-4.92E-03	-4.70E-03
7.06E+01	-4.73E-03	-4.63E-03	-4.84E-03
7.06E+01	-4.94E-03	-4.53E-03	-4.72E-03
7.06E+01	-5.14E-03	-4.58E-03	-4.43E-03
7.06E+01	-5.32E-03	-4.72E-03	-3.92E-03
7.06E+01	-5.48E-03	-4.93E-03	-3.41E-03
7.06E+01	-5.58E-03	-5.23E-03	-3.11E-03
7.07E+01	-5.69E-03	-5.54E-03	-2.74E-03
7.07E+01	-5.73E-03	-5.80E-03	-2.10E-03
7.07E+01	-5.73E-03	-6.05E-03	-1.37E-03
7.07E+01	-5.81E-03	-6.32E-03	-8.01E-04
7.07E+01	-5.97E-03	-6.63E-03	-4.05E-04
7.07E+01	-6.15E-03	-6.94E-03	-1.81E-04
7.07E+01	-6.36E-03	-7.22E-03	-8.58E-05
7.07E+01	-6.61E-03	-7.45E-03	-6.20E-05
7.07E+01	-6.89E-03	-7.56E-03	-1.05E-04
7.07E+01	-7.19E-03	-7.53E-03	-2.23E-04
7.07E+01	-7.47E-03	-7.31E-03	-4.11E-04
7.07E+01	-7.79E-03	-6.98E-03	-7.00E-04
7.07E+01	-8.13E-03	-6.64E-03	-1.13E-03

7.07E+01	-8.39E-03	-6.23E-03	-1.55E-03
7.07E+01	-8.58E-03	-5.78E-03	-1.83E-03
7.07E+01	-8.66E-03	-5.34E-03	-2.02E-03
7.07E+01	-8.62E-03	-4.90E-03	-2.06E-03
7.07E+01	-8.45E-03	-4.49E-03	-1.97E-03
7.07E+01	-8.09E-03	-4.07E-03	-1.83E-03
7.07E+01	-7.65E-03	-3.78E-03	-1.63E-03
7.08E+01	-7.18E-03	-3.59E-03	-1.58E-03
7.08E+01	-6.62E-03	-3.43E-03	-1.55E-03
7.08E+01	-6.05E-03	-3.32E-03	-1.33E-03
7.08E+01	-5.53E-03	-3.17E-03	-1.06E-03
7.08E+01	-5.09E-03	-3.08E-03	-7.53E-04
7.08E+01	-4.73E-03	-3.01E-03	-3.50E-04
7.08E+01	-4.42E-03	-2.97E-03	-4.33E-05
7.08E+01	-4.24E-03	-3.08E-03	8.32E-05
7.08E+01	-4.14E-03	-3.21E-03	9.92E-05
7.08E+01	-4.00E-03	-3.35E-03	1.65E-04
7.08E+01	-3.84E-03	-3.61E-03	3.31E-04
7.08E+01	-3.69E-03	-3.93E-03	3.52E-04
7.08E+01	-3.50E-03	-4.28E-03	1.42E-04
7.08E+01	-3.28E-03	-4.69E-03	-1.31E-04
7.08E+01	-3.15E-03	-5.17E-03	-4.27E-04
7.08E+01	-3.06E-03	-5.66E-03	-6.93E-04
7.08E+01	-2.99E-03	-6.13E-03	-7.46E-04
7.08E+01	-3.06E-03	-6.52E-03	-5.70E-04
7.08E+01	-3.12E-03	-6.74E-03	-3.41E-04
7.08E+01	-3.19E-03	-7.05E-03	-7.71E-05
7.09E+01	-3.37E-03	-7.39E-03	2.03E-04
7.09E+01	-3.53E-03	-7.58E-03	3.14E-04
7.09E+01	-3.59E-03	-7.82E-03	4.31E-04
7.09E+01	-3.63E-03	-8.01E-03	6.62E-04
7.09E+01	-3.66E-03	-8.16E-03	6.96E-04
7.09E+01	-3.66E-03	-8.37E-03	6.70E-04
7.09E+01	-3.66E-03	-8.47E-03	8.31E-04
7.09E+01	-3.68E-03	-8.56E-03	1.05E-03
7.09E+01	-3.78E-03	-8.66E-03	1.35E-03
7.09E+01	-3.93E-03	-8.63E-03	1.68E-03
7.09E+01	-4.10E-03	-8.55E-03	1.84E-03
7.09E+01	-4.25E-03	-8.37E-03	1.83E-03
7.09E+01	-4.38E-03	-8.02E-03	1.83E-03
7.09E+01	-4.46E-03	-7.62E-03	1.88E-03
7.09E+01	-4.43E-03	-7.15E-03	2.06E-03
7.09E+01	-4.27E-03	-6.53E-03	2.15E-03
7.09E+01	-4.05E-03	-5.88E-03	2.03E-03
7.09E+01	-3.73E-03	-5.25E-03	2.01E-03
7.09E+01	-3.25E-03	-4.46E-03	2.10E-03
7.09E+01	-2.71E-03	-3.64E-03	2.23E-03

7.10E+01	-2.24E-03	-2.92E-03	2.35E-03
7.10E+01	-1.79E-03	-2.18E-03	2.45E-03
7.10E+01	-1.39E-03	-1.46E-03	2.61E-03
7.10E+01	-1.10E-03	-8.30E-04	2.74E-03
7.10E+01	-9.28E-04	-2.97E-04	2.82E-03
7.10E+01	-8.54E-04	1.06E-04	2.88E-03
7.10E+01	-8.45E-04	3.49E-04	2.88E-03
7.10E+01	-8.80E-04	4.71E-04	2.91E-03
7.10E+01	-9.68E-04	4.88E-04	3.03E-03
7.10E+01	-1.16E-03	3.98E-04	3.09E-03
7.10E+01	-1.39E-03	2.38E-04	2.98E-03
7.10E+01	-1.69E-03	-5.42E-05	2.62E-03
7.10E+01	-2.00E-03	-3.38E-04	2.06E-03
7.10E+01	-2.30E-03	-5.42E-04	1.50E-03
7.10E+01	-2.63E-03	-7.35E-04	1.14E-03
7.10E+01	-2.85E-03	-7.98E-04	9.30E-04
7.10E+01	-3.05E-03	-8.87E-04	7.40E-04
7.10E+01	-3.24E-03	-1.07E-03	4.63E-04
7.10E+01	-3.36E-03	-1.25E-03	1.33E-04
7.10E+01	-3.45E-03	-1.44E-03	-1.70E-04
7.11E+01	-3.45E-03	-1.53E-03	-5.07E-04
7.11E+01	-3.44E-03	-1.53E-03	-7.98E-04
7.11E+01	-3.36E-03	-1.42E-03	-8.42E-04
7.11E+01	-3.14E-03	-1.11E-03	-5.13E-04
7.11E+01	-2.93E-03	-7.07E-04	1.28E-04
7.11E+01	-2.72E-03	-2.85E-04	8.81E-04
7.11E+01	-2.48E-03	2.16E-04	1.72E-03
7.11E+01	-2.27E-03	7.33E-04	2.41E-03
7.11E+01	-2.07E-03	1.21E-03	2.66E-03
7.11E+01	-1.90E-03	1.64E-03	2.59E-03
7.11E+01	-1.72E-03	2.02E-03	2.41E-03
7.11E+01	-1.47E-03	2.32E-03	2.36E-03
7.11E+01	-1.28E-03	2.44E-03	2.47E-03
7.11E+01	-1.21E-03	2.33E-03	2.58E-03
7.11E+01	-1.22E-03	2.13E-03	2.71E-03
7.11E+01	-1.32E-03	1.92E-03	2.84E-03
7.11E+01	-1.43E-03	1.76E-03	2.90E-03
7.11E+01	-1.53E-03	1.72E-03	3.05E-03
7.11E+01	-1.65E-03	1.78E-03	3.32E-03
7.11E+01	-1.73E-03	1.88E-03	3.59E-03
7.12E+01	-1.80E-03	1.96E-03	3.83E-03
7.12E+01	-1.86E-03	1.93E-03	3.95E-03
7.12E+01	-1.91E-03	1.77E-03	3.86E-03
7.12E+01	-1.94E-03	1.51E-03	3.71E-03
7.12E+01	-1.88E-03	1.16E-03	3.59E-03
7.12E+01	-1.77E-03	7.94E-04	3.63E-03
7.12E+01	-1.66E-03	5.24E-04	3.89E-03

7.12E+01	-1.47E-03	4.02E-04	4.07E-03
7.12E+01	-1.31E-03	3.74E-04	3.97E-03
7.12E+01	-1.20E-03	3.68E-04	3.54E-03
7.12E+01	-1.05E-03	3.88E-04	2.99E-03
7.12E+01	-8.40E-04	4.22E-04	2.57E-03
7.12E+01	-5.84E-04	3.84E-04	2.22E-03
7.12E+01	-3.20E-04	2.73E-04	2.06E-03
7.12E+01	-6.08E-05	7.78E-05	2.19E-03
7.12E+01	1.96E-04	-2.31E-04	2.45E-03
7.12E+01	3.51E-04	-6.24E-04	2.72E-03
7.12E+01	3.55E-04	-1.07E-03	2.83E-03
7.12E+01	2.55E-04	-1.45E-03	2.75E-03
7.12E+01	1.28E-04	-1.64E-03	2.67E-03
7.13E+01	4.33E-05	-1.70E-03	2.64E-03
7.13E+01	3.80E-05	-1.61E-03	2.77E-03
7.13E+01	1.18E-04	-1.40E-03	3.19E-03
7.13E+01	2.47E-04	-1.20E-03	3.67E-03
7.13E+01	3.38E-04	-1.12E-03	4.05E-03
7.13E+01	3.11E-04	-1.21E-03	4.17E-03
7.13E+01	2.25E-04	-1.36E-03	3.96E-03
7.13E+01	1.53E-04	-1.45E-03	3.67E-03
7.13E+01	1.05E-04	-1.40E-03	3.43E-03
7.13E+01	8.93E-05	-1.25E-03	3.19E-03
7.13E+01	6.28E-05	-1.06E-03	2.98E-03
7.13E+01	5.21E-05	-8.24E-04	2.75E-03
7.13E+01	4.62E-05	-6.14E-04	2.46E-03
7.13E+01	-4.39E-05	-5.04E-04	2.09E-03
7.13E+01	-1.77E-04	-4.96E-04	1.72E-03
7.13E+01	-2.66E-04	-4.55E-04	1.62E-03
7.13E+01	-3.08E-04	-3.77E-04	1.82E-03
7.13E+01	-3.55E-04	-2.54E-04	2.01E-03
7.13E+01	-4.40E-04	-8.32E-05	2.11E-03
7.13E+01	-4.90E-04	1.48E-04	2.12E-03
7.14E+01	-4.60E-04	4.94E-04	2.13E-03
7.14E+01	-4.49E-04	7.35E-04	2.22E-03
7.14E+01	-3.84E-04	9.63E-04	2.47E-03
7.14E+01	-1.94E-04	1.17E-03	3.05E-03
7.14E+01	-5.87E-05	1.16E-03	3.61E-03
7.14E+01	6.33E-05	1.10E-03	3.89E-03
7.14E+01	1.35E-04	9.46E-04	4.06E-03
7.14E+01	1.38E-04	8.22E-04	3.93E-03
7.14E+01	2.16E-04	7.79E-04	3.38E-03
7.14E+01	2.78E-04	8.10E-04	2.70E-03
7.14E+01	4.21E-04	1.05E-03	2.18E-03
7.14E+01	6.45E-04	1.29E-03	1.89E-03
7.14E+01	9.00E-04	1.50E-03	1.68E-03
7.14E+01	1.22E-03	1.55E-03	1.32E-03

7.14E+01	1.47E-03	1.42E-03	8.26E-04
7.14E+01	1.73E-03	1.25E-03	4.56E-04
7.14E+01	1.97E-03	9.98E-04	3.55E-04
7.14E+01	2.12E-03	7.87E-04	4.04E-04
7.14E+01	2.26E-03	5.43E-04	5.22E-04
7.14E+01	2.35E-03	3.17E-04	7.58E-04
7.15E+01	2.42E-03	1.55E-04	1.10E-03
7.15E+01	2.48E-03	-1.31E-04	1.47E-03
7.15E+01	2.52E-03	-4.42E-04	1.90E-03
7.15E+01	2.60E-03	-7.34E-04	2.32E-03
7.15E+01	2.70E-03	-9.85E-04	2.65E-03
7.15E+01	2.79E-03	-1.20E-03	2.87E-03
7.15E+01	2.84E-03	-1.47E-03	2.95E-03
7.15E+01	2.84E-03	-1.70E-03	3.03E-03
7.15E+01	2.75E-03	-1.92E-03	3.07E-03
7.15E+01	2.57E-03	-2.22E-03	2.97E-03
7.15E+01	2.33E-03	-2.54E-03	2.87E-03
7.15E+01	2.04E-03	-2.78E-03	2.85E-03
7.15E+01	1.80E-03	-2.93E-03	2.95E-03
7.15E+01	1.64E-03	-3.01E-03	3.21E-03
7.15E+01	1.55E-03	-3.08E-03	3.58E-03
7.15E+01	1.59E-03	-3.13E-03	3.92E-03
7.15E+01	1.78E-03	-3.10E-03	4.14E-03
7.15E+01	2.07E-03	-3.06E-03	4.19E-03
7.15E+01	2.50E-03	-2.90E-03	4.04E-03
7.15E+01	3.12E-03	-2.61E-03	3.77E-03
7.16E+01	3.93E-03	-2.27E-03	3.52E-03
7.16E+01	4.80E-03	-1.90E-03	3.34E-03
7.16E+01	5.60E-03	-1.63E-03	3.12E-03
7.16E+01	6.35E-03	-1.45E-03	2.84E-03
7.16E+01	7.01E-03	-1.31E-03	2.57E-03
7.16E+01	7.50E-03	-1.29E-03	2.32E-03
7.16E+01	7.84E-03	-1.27E-03	2.21E-03
7.16E+01	8.05E-03	-1.23E-03	2.22E-03
7.16E+01	8.19E-03	-1.17E-03	2.26E-03
7.16E+01	8.27E-03	-1.05E-03	2.32E-03
7.16E+01	8.23E-03	-9.87E-04	2.24E-03
7.16E+01	8.15E-03	-9.80E-04	1.98E-03
7.16E+01	8.05E-03	-1.04E-03	1.61E-03
7.16E+01	7.86E-03	-1.23E-03	1.12E-03
7.16E+01	7.62E-03	-1.50E-03	6.35E-04
7.16E+01	7.34E-03	-1.78E-03	3.22E-04
7.16E+01	7.05E-03	-2.02E-03	1.59E-04
7.16E+01	6.72E-03	-2.26E-03	1.95E-05
7.16E+01	6.29E-03	-2.50E-03	-1.34E-04
7.16E+01	5.88E-03	-2.66E-03	-1.70E-04
7.17E+01	5.57E-03	-2.78E-03	9.37E-05

7.17E+01	5.32E-03	-2.83E-03	5.36E-04
7.17E+01	5.08E-03	-2.91E-03	8.48E-04
7.17E+01	4.89E-03	-2.97E-03	9.88E-04
7.17E+01	4.83E-03	-3.02E-03	9.73E-04
7.17E+01	4.86E-03	-3.09E-03	7.62E-04
7.17E+01	4.94E-03	-3.10E-03	2.62E-04
7.17E+01	5.08E-03	-3.04E-03	-4.03E-04
7.17E+01	5.23E-03	-2.88E-03	-1.01E-03
7.17E+01	5.49E-03	-2.70E-03	-1.50E-03
7.17E+01	5.87E-03	-2.48E-03	-1.63E-03
7.17E+01	6.22E-03	-2.22E-03	-1.57E-03
7.17E+01	6.55E-03	-2.05E-03	-1.42E-03
7.17E+01	6.89E-03	-1.90E-03	-9.91E-04
7.17E+01	7.11E-03	-1.84E-03	-6.72E-04
7.17E+01	7.23E-03	-1.97E-03	-4.83E-04
7.17E+01	7.28E-03	-2.09E-03	-1.11E-04
7.17E+01	7.20E-03	-2.07E-03	1.96E-04
7.17E+01	6.95E-03	-2.20E-03	3.12E-04
7.17E+01	6.61E-03	-2.37E-03	4.53E-04
7.18E+01	6.33E-03	-2.42E-03	7.34E-04
7.18E+01	5.91E-03	-2.49E-03	1.13E-03
7.18E+01	5.27E-03	-2.50E-03	1.30E-03
7.18E+01	4.69E-03	-2.59E-03	1.39E-03
7.18E+01	4.12E-03	-2.53E-03	1.73E-03
7.18E+01	3.49E-03	-2.34E-03	1.77E-03
7.18E+01	2.92E-03	-2.29E-03	1.53E-03
7.18E+01	2.36E-03	-2.08E-03	1.32E-03
7.18E+01	1.87E-03	-1.87E-03	9.57E-04
7.18E+01	1.52E-03	-1.70E-03	4.89E-04
7.18E+01	1.26E-03	-1.57E-03	-5.68E-05
7.18E+01	1.08E-03	-1.55E-03	-4.47E-04
7.18E+01	1.13E-03	-1.42E-03	-5.58E-04
7.18E+01	1.36E-03	-1.46E-03	-4.56E-04
7.18E+01	1.68E-03	-1.57E-03	-1.62E-04
7.18E+01	2.11E-03	-1.60E-03	1.20E-04
7.18E+01	2.59E-03	-1.75E-03	2.74E-04
7.18E+01	3.16E-03	-1.77E-03	2.88E-04
7.18E+01	3.72E-03	-1.86E-03	3.69E-04
7.18E+01	4.27E-03	-2.03E-03	5.93E-04
7.19E+01	4.85E-03	-2.10E-03	7.69E-04
7.19E+01	5.32E-03	-2.33E-03	1.02E-03
7.19E+01	5.65E-03	-2.49E-03	1.15E-03
7.19E+01	5.82E-03	-2.57E-03	8.80E-04
7.19E+01	5.82E-03	-2.62E-03	5.11E-04
7.19E+01	5.71E-03	-2.47E-03	1.74E-04
7.19E+01	5.49E-03	-2.15E-03	-1.68E-04
7.19E+01	5.19E-03	-1.79E-03	-3.04E-04

7.19E+01	4.86E-03	-1.40E-03	-1.75E-04
7.19E+01	4.59E-03	-1.04E-03	8.41E-05
7.19E+01	4.36E-03	-8.63E-04	2.46E-04
7.19E+01	4.12E-03	-8.36E-04	2.45E-04
7.19E+01	4.00E-03	-8.96E-04	2.15E-04
7.19E+01	4.05E-03	-9.77E-04	1.29E-04
7.19E+01	4.23E-03	-1.05E-03	-5.61E-05
7.19E+01	4.50E-03	-1.17E-03	-1.66E-04
7.19E+01	4.87E-03	-1.25E-03	-7.92E-05
7.19E+01	5.32E-03	-1.34E-03	-1.70E-05
7.19E+01	5.70E-03	-1.54E-03	-1.36E-04
7.19E+01	5.96E-03	-1.80E-03	-3.52E-04
7.20E+01	6.10E-03	-2.12E-03	-6.70E-04
7.20E+01	6.15E-03	-2.44E-03	-1.01E-03
7.20E+01	6.09E-03	-2.66E-03	-1.25E-03
7.20E+01	5.90E-03	-2.86E-03	-1.43E-03
7.20E+01	5.70E-03	-2.97E-03	-1.57E-03
7.20E+01	5.47E-03	-2.97E-03	-1.73E-03
7.20E+01	5.16E-03	-3.02E-03	-1.98E-03
7.20E+01	4.83E-03	-3.07E-03	-2.21E-03
7.20E+01	4.48E-03	-3.00E-03	-2.27E-03
7.20E+01	4.20E-03	-2.83E-03	-2.18E-03
7.20E+01	3.98E-03	-2.58E-03	-2.13E-03
7.20E+01	3.81E-03	-2.30E-03	-2.16E-03
7.20E+01	3.80E-03	-1.94E-03	-1.94E-03
7.20E+01	3.91E-03	-1.51E-03	-1.55E-03
7.20E+01	4.10E-03	-1.11E-03	-1.19E-03
7.20E+01	4.36E-03	-6.91E-04	-8.38E-04
7.20E+01	4.71E-03	-2.16E-04	-4.81E-04
7.20E+01	5.12E-03	2.21E-04	-2.47E-04
7.20E+01	5.54E-03	6.38E-04	-2.79E-04
7.20E+01	5.91E-03	1.04E-03	-5.43E-04
7.21E+01	6.24E-03	1.44E-03	-9.36E-04
7.21E+01	6.52E-03	1.83E-03	-1.36E-03
7.21E+01	6.70E-03	2.12E-03	-1.64E-03
7.21E+01	6.74E-03	2.31E-03	-1.84E-03
7.21E+01	6.70E-03	2.41E-03	-2.07E-03
7.21E+01	6.58E-03	2.45E-03	-2.24E-03
7.21E+01	6.32E-03	2.41E-03	-2.49E-03
7.21E+01	5.98E-03	2.24E-03	-2.86E-03
7.21E+01	5.64E-03	1.98E-03	-3.19E-03
7.21E+01	5.28E-03	1.63E-03	-3.44E-03
7.21E+01	4.93E-03	1.18E-03	-3.50E-03
7.21E+01	4.62E-03	6.76E-04	-3.32E-03
7.21E+01	4.32E-03	1.92E-04	-3.00E-03
7.21E+01	4.09E-03	-2.41E-04	-2.62E-03
7.21E+01	3.87E-03	-6.34E-04	-2.22E-03

7.21E+01	3.61E-03	-8.62E-04	-1.89E-03
7.21E+01	3.31E-03	-8.98E-04	-1.75E-03
7.21E+01	3.03E-03	-7.44E-04	-1.71E-03
7.21E+01	2.80E-03	-3.34E-04	-1.61E-03
7.21E+01	2.62E-03	1.74E-04	-1.38E-03
7.22E+01	2.48E-03	7.42E-04	-1.14E-03
7.22E+01	2.42E-03	1.43E-03	-1.04E-03
7.22E+01	2.46E-03	2.07E-03	-9.45E-04
7.22E+01	2.58E-03	2.69E-03	-7.39E-04
7.22E+01	2.74E-03	3.26E-03	-5.56E-04
7.22E+01	3.01E-03	3.78E-03	-2.71E-04
7.22E+01	3.40E-03	4.33E-03	2.65E-04
7.22E+01	3.79E-03	4.80E-03	7.73E-04
7.22E+01	4.22E-03	5.16E-03	1.12E-03
7.22E+01	4.66E-03	5.44E-03	1.39E-03
7.22E+01	5.07E-03	5.65E-03	1.57E-03
7.22E+01	5.46E-03	5.79E-03	1.64E-03
7.22E+01	5.77E-03	5.82E-03	1.57E-03
7.22E+01	6.01E-03	5.85E-03	1.40E-03
7.22E+01	6.17E-03	5.92E-03	1.23E-03
7.22E+01	6.23E-03	5.98E-03	1.02E-03
7.22E+01	6.16E-03	6.07E-03	8.43E-04
7.22E+01	6.00E-03	6.26E-03	6.21E-04
7.22E+01	5.76E-03	6.52E-03	2.81E-04
7.22E+01	5.35E-03	6.84E-03	-1.12E-04
7.23E+01	4.84E-03	7.15E-03	-7.17E-04
7.23E+01	4.27E-03	7.44E-03	-1.34E-03
7.23E+01	3.69E-03	7.81E-03	-1.79E-03
7.23E+01	3.15E-03	8.08E-03	-2.19E-03
7.23E+01	2.61E-03	8.17E-03	-2.39E-03
7.23E+01	2.13E-03	8.19E-03	-2.40E-03
7.23E+01	1.78E-03	8.11E-03	-2.28E-03
7.23E+01	1.55E-03	7.96E-03	-2.01E-03
7.23E+01	1.47E-03	7.75E-03	-1.71E-03
7.23E+01	1.54E-03	7.45E-03	-1.21E-03
7.23E+01	1.74E-03	7.08E-03	-6.18E-04
7.23E+01	2.04E-03	6.60E-03	-2.07E-04
7.23E+01	2.44E-03	6.03E-03	5.68E-05
7.23E+01	2.93E-03	5.41E-03	4.41E-05
7.23E+01	3.44E-03	4.77E-03	-2.51E-04
7.23E+01	3.92E-03	4.13E-03	-7.02E-04
7.23E+01	4.36E-03	3.52E-03	-1.22E-03
7.23E+01	4.80E-03	2.99E-03	-1.53E-03
7.23E+01	5.19E-03	2.52E-03	-1.59E-03
7.23E+01	5.47E-03	2.06E-03	-1.56E-03
7.24E+01	5.64E-03	1.67E-03	-1.50E-03
7.24E+01	5.71E-03	1.37E-03	-1.39E-03

7.24E+01	5.73E-03	1.19E-03	-1.27E-03
7.24E+01	5.65E-03	1.13E-03	-1.28E-03
7.24E+01	5.51E-03	1.12E-03	-1.60E-03
7.24E+01	5.42E-03	1.25E-03	-2.11E-03
7.24E+01	5.39E-03	1.51E-03	-2.61E-03
7.24E+01	5.39E-03	1.82E-03	-3.01E-03
7.24E+01	5.38E-03	2.15E-03	-3.24E-03
7.24E+01	5.34E-03	2.46E-03	-3.34E-03
7.24E+01	5.27E-03	2.74E-03	-3.33E-03
7.24E+01	5.14E-03	3.00E-03	-3.12E-03
7.24E+01	4.91E-03	3.24E-03	-2.78E-03
7.24E+01	4.66E-03	3.52E-03	-2.34E-03
7.24E+01	4.40E-03	3.91E-03	-1.75E-03
7.24E+01	4.12E-03	4.28E-03	-1.21E-03
7.24E+01	3.87E-03	4.55E-03	-7.88E-04
7.24E+01	3.67E-03	4.76E-03	-4.06E-04
7.24E+01	3.61E-03	4.92E-03	-1.32E-05
7.24E+01	3.70E-03	5.05E-03	4.08E-04
7.25E+01	3.83E-03	5.07E-03	7.72E-04
7.25E+01	3.99E-03	4.98E-03	9.87E-04
7.25E+01	4.18E-03	4.86E-03	1.06E-03
7.25E+01	4.32E-03	4.72E-03	9.48E-04
7.25E+01	4.40E-03	4.58E-03	7.64E-04
7.25E+01	4.43E-03	4.47E-03	7.43E-04
7.25E+01	4.47E-03	4.44E-03	8.67E-04
7.25E+01	4.54E-03	4.51E-03	9.65E-04
7.25E+01	4.63E-03	4.63E-03	9.02E-04
7.25E+01	4.80E-03	4.83E-03	6.38E-04
7.25E+01	5.07E-03	5.09E-03	2.42E-04
7.25E+01	5.46E-03	5.31E-03	-3.04E-04
7.25E+01	5.86E-03	5.49E-03	-9.61E-04
7.25E+01	6.21E-03	5.65E-03	-1.55E-03
7.25E+01	6.57E-03	5.78E-03	-1.96E-03
7.25E+01	6.88E-03	5.88E-03	-2.13E-03
7.25E+01	7.08E-03	5.92E-03	-2.06E-03
7.25E+01	7.20E-03	5.90E-03	-1.66E-03
7.25E+01	7.22E-03	5.88E-03	-9.63E-04
7.25E+01	7.15E-03	5.80E-03	-2.52E-04
7.26E+01	6.95E-03	5.66E-03	2.19E-04
7.26E+01	6.70E-03	5.49E-03	3.84E-04
7.26E+01	6.45E-03	5.31E-03	2.96E-04
7.26E+01	6.22E-03	5.13E-03	7.21E-05
7.26E+01	5.99E-03	4.93E-03	-1.58E-04
7.26E+01	5.80E-03	4.69E-03	-3.30E-04
7.26E+01	5.67E-03	4.47E-03	-3.94E-04
7.26E+01	5.60E-03	4.22E-03	-3.01E-04
7.26E+01	5.55E-03	3.94E-03	-9.50E-05

7.26E+01	5.54E-03	3.65E-03	1.54E-04
7.26E+01	5.55E-03	3.35E-03	3.71E-04
7.26E+01	5.58E-03	3.09E-03	6.05E-04
7.26E+01	5.59E-03	2.87E-03	9.03E-04
7.26E+01	5.57E-03	2.66E-03	1.21E-03
7.26E+01	5.54E-03	2.55E-03	1.56E-03
7.26E+01	5.52E-03	2.52E-03	1.88E-03
7.26E+01	5.48E-03	2.53E-03	2.15E-03
7.26E+01	5.37E-03	2.54E-03	2.43E-03
7.26E+01	5.24E-03	2.50E-03	2.66E-03
7.26E+01	5.10E-03	2.46E-03	2.80E-03
7.27E+01	4.88E-03	2.37E-03	2.80E-03
7.27E+01	4.58E-03	2.19E-03	2.64E-03
7.27E+01	4.34E-03	2.04E-03	2.39E-03
7.27E+01	4.16E-03	1.88E-03	2.03E-03
7.27E+01	4.02E-03	1.65E-03	1.62E-03
7.27E+01	3.96E-03	1.43E-03	1.27E-03
7.27E+01	4.01E-03	1.18E-03	8.84E-04
7.27E+01	4.22E-03	8.81E-04	4.36E-04
7.27E+01	4.52E-03	5.77E-04	8.56E-05
7.27E+01	4.87E-03	2.79E-04	-8.11E-05
7.27E+01	5.27E-03	1.64E-05	-7.15E-05
7.27E+01	5.66E-03	-1.89E-04	-3.43E-05
7.27E+01	5.98E-03	-3.76E-04	-1.46E-04
7.27E+01	6.21E-03	-5.43E-04	-3.53E-04
7.27E+01	6.36E-03	-6.65E-04	-5.04E-04
7.27E+01	6.43E-03	-7.33E-04	-4.84E-04
7.27E+01	6.36E-03	-7.75E-04	-3.32E-04
7.27E+01	6.17E-03	-8.13E-04	-2.19E-04
7.27E+01	5.93E-03	-8.00E-04	-1.30E-04
7.27E+01	5.70E-03	-6.91E-04	-1.72E-05
7.28E+01	5.48E-03	-5.08E-04	-5.30E-05
7.28E+01	5.27E-03	-2.71E-04	-3.15E-04
7.28E+01	5.12E-03	3.93E-05	-6.95E-04
7.28E+01	5.02E-03	3.73E-04	-1.07E-03
7.28E+01	4.95E-03	6.15E-04	-1.34E-03
7.28E+01	4.91E-03	7.17E-04	-1.43E-03
7.28E+01	4.90E-03	7.02E-04	-1.33E-03
7.28E+01	4.94E-03	5.66E-04	-1.16E-03
7.28E+01	4.95E-03	3.03E-04	-1.02E-03
7.28E+01	4.95E-03	3.62E-06	-8.36E-04
7.28E+01	4.99E-03	-2.62E-04	-6.20E-04
7.28E+01	5.02E-03	-4.55E-04	-4.10E-04
7.28E+01	5.05E-03	-5.13E-04	-2.17E-04
7.28E+01	5.08E-03	-4.40E-04	-1.03E-04
7.28E+01	5.14E-03	-2.80E-04	-6.43E-05
7.28E+01	5.25E-03	-4.88E-05	-6.66E-05

7.28E+01	5.34E-03	1.98E-04	-7.86E-05
7.28E+01	5.47E-03	4.22E-04	-1.34E-05
7.28E+01	5.62E-03	6.32E-04	7.86E-05
7.28E+01	5.76E-03	8.21E-04	1.04E-04
7.29E+01	5.93E-03	9.87E-04	6.47E-05
7.29E+01	6.06E-03	1.14E-03	-7.06E-05
7.29E+01	6.18E-03	1.32E-03	-2.75E-04
7.29E+01	6.32E-03	1.58E-03	-5.78E-04
7.29E+01	6.40E-03	1.84E-03	-1.13E-03
7.29E+01	6.38E-03	2.14E-03	-1.85E-03
7.29E+01	6.33E-03	2.54E-03	-2.50E-03
7.29E+01	6.27E-03	3.02E-03	-2.98E-03
7.29E+01	6.18E-03	3.56E-03	-3.25E-03
7.29E+01	5.99E-03	4.08E-03	-3.29E-03
7.29E+01	5.74E-03	4.61E-03	-3.10E-03
7.29E+01	5.46E-03	5.14E-03	-2.71E-03
7.29E+01	5.15E-03	5.56E-03	-2.21E-03
7.29E+01	4.77E-03	5.92E-03	-1.71E-03
7.29E+01	4.37E-03	6.25E-03	-1.22E-03
7.29E+01	4.00E-03	6.52E-03	-8.21E-04
7.29E+01	3.63E-03	6.74E-03	-6.78E-04
7.29E+01	3.28E-03	6.88E-03	-7.94E-04
7.29E+01	3.01E-03	7.02E-03	-9.44E-04
7.29E+01	2.82E-03	7.18E-03	-9.50E-04
7.30E+01	2.66E-03	7.30E-03	-9.51E-04
7.30E+01	2.49E-03	7.34E-03	-1.09E-03
7.30E+01	2.30E-03	7.35E-03	-1.27E-03
7.30E+01	2.08E-03	7.35E-03	-1.51E-03
7.30E+01	1.80E-03	7.26E-03	-1.82E-03
7.30E+01	1.42E-03	7.22E-03	-2.16E-03
7.30E+01	9.69E-04	7.25E-03	-2.59E-03
7.30E+01	5.17E-04	7.27E-03	-3.02E-03
7.30E+01	7.80E-05	7.31E-03	-3.33E-03
7.30E+01	-3.37E-04	7.30E-03	-3.53E-03
7.30E+01	-7.19E-04	7.29E-03	-3.55E-03
7.30E+01	-9.96E-04	7.31E-03	-3.39E-03
7.30E+01	-1.19E-03	7.22E-03	-3.21E-03
7.30E+01	-1.35E-03	7.01E-03	-3.16E-03
7.30E+01	-1.46E-03	6.73E-03	-3.33E-03
7.30E+01	-1.48E-03	6.56E-03	-3.54E-03
7.30E+01	-1.37E-03	6.50E-03	-3.61E-03
7.30E+01	-1.16E-03	6.50E-03	-3.54E-03
7.30E+01	-9.38E-04	6.61E-03	-3.35E-03
7.30E+01	-6.82E-04	6.72E-03	-3.06E-03
7.31E+01	-4.11E-04	6.84E-03	-2.64E-03
7.31E+01	-2.26E-04	6.89E-03	-2.16E-03
7.31E+01	-1.87E-04	6.78E-03	-1.82E-03

7.31E+01	-1.97E-04	6.66E-03	-1.59E-03
7.31E+01	-2.97E-04	6.64E-03	-1.40E-03
7.31E+01	-5.61E-04	6.69E-03	-1.36E-03
7.31E+01	-9.37E-04	6.76E-03	-1.44E-03
7.31E+01	-1.43E-03	6.87E-03	-1.46E-03
7.31E+01	-1.98E-03	7.02E-03	-1.39E-03
7.31E+01	-2.59E-03	7.14E-03	-1.22E-03
7.31E+01	-3.30E-03	7.19E-03	-1.03E-03
7.31E+01	-4.00E-03	7.18E-03	-8.58E-04
7.31E+01	-4.64E-03	7.18E-03	-6.81E-04
7.31E+01	-5.23E-03	7.19E-03	-6.30E-04
7.31E+01	-5.72E-03	7.19E-03	-7.08E-04
7.31E+01	-6.02E-03	7.21E-03	-7.97E-04
7.31E+01	-6.13E-03	7.22E-03	-9.04E-04
7.31E+01	-6.14E-03	7.21E-03	-1.00E-03
7.31E+01	-6.06E-03	7.12E-03	-1.15E-03
7.31E+01	-5.83E-03	6.99E-03	-1.24E-03
7.32E+01	-5.53E-03	6.84E-03	-1.30E-03
7.32E+01	-5.24E-03	6.55E-03	-1.57E-03
7.32E+01	-4.91E-03	6.28E-03	-1.91E-03
7.32E+01	-4.56E-03	6.12E-03	-2.34E-03
7.32E+01	-4.24E-03	5.94E-03	-2.91E-03
7.32E+01	-3.93E-03	5.86E-03	-3.31E-03
7.32E+01	-3.70E-03	5.91E-03	-3.49E-03
7.32E+01	-3.53E-03	5.93E-03	-3.57E-03
7.32E+01	-3.35E-03	5.96E-03	-3.57E-03
7.32E+01	-3.23E-03	5.94E-03	-3.63E-03
7.32E+01	-3.15E-03	5.81E-03	-3.76E-03
7.32E+01	-3.00E-03	5.75E-03	-3.83E-03
7.32E+01	-2.78E-03	5.72E-03	-3.80E-03
7.32E+01	-2.53E-03	5.72E-03	-3.72E-03
7.32E+01	-2.30E-03	5.80E-03	-3.73E-03
7.32E+01	-2.09E-03	5.85E-03	-3.86E-03
7.32E+01	-1.86E-03	5.89E-03	-4.00E-03
7.32E+01	-1.65E-03	5.93E-03	-4.09E-03
7.32E+01	-1.50E-03	5.82E-03	-4.06E-03
7.32E+01	-1.46E-03	5.69E-03	-3.87E-03
7.33E+01	-1.46E-03	5.55E-03	-3.68E-03
7.33E+01	-1.51E-03	5.39E-03	-3.57E-03
7.33E+01	-1.70E-03	5.22E-03	-3.52E-03
7.33E+01	-1.96E-03	5.04E-03	-3.50E-03
7.33E+01	-2.27E-03	4.90E-03	-3.49E-03
7.33E+01	-2.64E-03	4.78E-03	-3.57E-03
7.33E+01	-3.09E-03	4.61E-03	-3.83E-03
7.33E+01	-3.58E-03	4.41E-03	-4.25E-03
7.33E+01	-4.03E-03	4.26E-03	-4.69E-03
7.33E+01	-4.42E-03	4.17E-03	-5.05E-03

7.33E+01	-4.76E-03	4.09E-03	-5.26E-03
7.33E+01	-5.06E-03	4.06E-03	-5.17E-03
7.33E+01	-5.20E-03	4.03E-03	-4.78E-03
7.33E+01	-5.23E-03	4.10E-03	-4.29E-03
7.33E+01	-5.27E-03	4.23E-03	-3.94E-03
7.33E+01	-5.28E-03	4.37E-03	-3.69E-03
7.33E+01	-5.18E-03	4.71E-03	-3.39E-03
7.33E+01	-5.08E-03	5.01E-03	-3.14E-03
7.33E+01	-5.04E-03	5.24E-03	-3.03E-03
7.33E+01	-4.99E-03	5.58E-03	-2.98E-03
7.34E+01	-4.98E-03	5.91E-03	-3.00E-03
7.34E+01	-5.01E-03	6.09E-03	-3.18E-03
7.34E+01	-5.10E-03	6.15E-03	-3.35E-03
7.34E+01	-5.27E-03	6.24E-03	-3.35E-03
7.34E+01	-5.43E-03	6.35E-03	-3.28E-03
7.34E+01	-5.65E-03	6.44E-03	-3.26E-03
7.34E+01	-5.91E-03	6.59E-03	-3.26E-03
7.34E+01	-6.13E-03	6.87E-03	-3.13E-03
7.34E+01	-6.30E-03	7.26E-03	-2.91E-03
7.34E+01	-6.36E-03	7.62E-03	-2.77E-03
7.34E+01	-6.39E-03	7.94E-03	-2.69E-03
7.34E+01	-6.43E-03	8.21E-03	-2.81E-03
7.34E+01	-6.43E-03	8.29E-03	-3.09E-03
7.34E+01	-6.38E-03	8.29E-03	-3.28E-03
7.34E+01	-6.34E-03	8.17E-03	-3.45E-03
7.34E+01	-6.39E-03	7.84E-03	-3.65E-03
7.34E+01	-6.38E-03	7.53E-03	-3.79E-03
7.34E+01	-6.37E-03	7.22E-03	-3.86E-03
7.34E+01	-6.41E-03	6.86E-03	-4.00E-03
7.34E+01	-6.41E-03	6.52E-03	-4.19E-03
7.35E+01	-6.40E-03	6.22E-03	-4.24E-03
7.35E+01	-6.33E-03	6.00E-03	-4.18E-03
7.35E+01	-6.22E-03	5.71E-03	-4.23E-03
7.35E+01	-6.07E-03	5.35E-03	-4.41E-03
7.35E+01	-5.80E-03	5.00E-03	-4.56E-03
7.35E+01	-5.44E-03	4.59E-03	-4.66E-03
7.35E+01	-5.01E-03	4.11E-03	-4.77E-03
7.35E+01	-4.56E-03	3.44E-03	-4.88E-03
7.35E+01	-4.08E-03	2.78E-03	-4.95E-03
7.35E+01	-3.60E-03	2.21E-03	-4.90E-03
7.35E+01	-3.27E-03	1.58E-03	-4.82E-03
7.35E+01	-3.05E-03	1.02E-03	-4.67E-03
7.35E+01	-2.94E-03	5.84E-04	-4.37E-03
7.35E+01	-2.94E-03	3.69E-04	-4.15E-03
7.35E+01	-3.05E-03	3.27E-04	-4.11E-03
7.35E+01	-3.27E-03	3.08E-04	-4.06E-03
7.35E+01	-3.52E-03	4.67E-04	-3.98E-03

7.35E+01	-3.85E-03	7.31E-04	-3.94E-03
7.35E+01	-4.29E-03	9.35E-04	-3.84E-03
7.35E+01	-4.78E-03	1.21E-03	-3.69E-03
7.36E+01	-5.35E-03	1.41E-03	-3.57E-03
7.36E+01	-5.96E-03	1.46E-03	-3.41E-03
7.36E+01	-6.64E-03	1.52E-03	-3.21E-03
7.36E+01	-7.37E-03	1.46E-03	-3.04E-03
7.36E+01	-8.03E-03	1.40E-03	-3.06E-03
7.36E+01	-8.61E-03	1.41E-03	-3.00E-03
7.36E+01	-9.13E-03	1.38E-03	-2.70E-03
7.36E+01	-9.58E-03	1.38E-03	-2.64E-03
7.36E+01	-9.78E-03	1.38E-03	-2.67E-03
7.36E+01	-9.93E-03	1.50E-03	-2.64E-03
7.36E+01	-1.00E-02	1.61E-03	-2.82E-03
7.36E+01	-9.93E-03	1.63E-03	-3.18E-03
7.36E+01	-9.88E-03	1.66E-03	-3.41E-03
7.36E+01	-9.71E-03	1.70E-03	-3.40E-03
7.36E+01	-9.59E-03	1.77E-03	-3.42E-03
7.36E+01	-9.47E-03	1.83E-03	-3.41E-03
7.36E+01	-9.21E-03	1.95E-03	-3.19E-03
7.36E+01	-8.92E-03	2.15E-03	-2.84E-03
7.36E+01	-8.54E-03	2.30E-03	-2.64E-03
7.36E+01	-8.20E-03	2.38E-03	-2.69E-03
7.37E+01	-7.70E-03	2.51E-03	-2.61E-03
7.37E+01	-7.11E-03	2.65E-03	-2.41E-03
7.37E+01	-6.56E-03	2.72E-03	-2.25E-03
7.37E+01	-6.03E-03	2.73E-03	-2.21E-03
7.37E+01	-5.60E-03	2.59E-03	-2.25E-03
7.37E+01	-5.10E-03	2.43E-03	-2.17E-03
7.37E+01	-4.73E-03	2.28E-03	-2.06E-03
7.37E+01	-4.60E-03	2.12E-03	-2.00E-03
7.37E+01	-4.43E-03	2.05E-03	-1.93E-03
7.37E+01	-4.33E-03	1.99E-03	-1.71E-03
7.37E+01	-4.28E-03	2.09E-03	-1.37E-03
7.37E+01	-4.26E-03	2.23E-03	-1.21E-03
7.37E+01	-4.21E-03	2.25E-03	-1.05E-03
7.37E+01	-4.11E-03	2.38E-03	-7.10E-04
7.37E+01	-4.04E-03	2.47E-03	-4.48E-04
7.37E+01	-3.89E-03	2.53E-03	-1.50E-04
7.37E+01	-3.62E-03	2.72E-03	2.89E-04
7.37E+01	-3.29E-03	2.80E-03	7.18E-04
7.37E+01	-2.94E-03	2.80E-03	1.03E-03
7.37E+01	-2.59E-03	2.75E-03	1.07E-03
7.38E+01	-2.21E-03	2.50E-03	9.90E-04
7.38E+01	-1.86E-03	2.21E-03	9.71E-04
7.38E+01	-1.53E-03	1.83E-03	9.19E-04
7.38E+01	-1.29E-03	1.30E-03	9.90E-04

7.38E+01	-1.22E-03	6.92E-04	1.13E-03
7.38E+01	-1.20E-03	1.96E-05	1.11E-03
7.38E+01	-1.28E-03	-6.38E-04	1.07E-03
7.38E+01	-1.51E-03	-1.31E-03	9.92E-04
7.38E+01	-1.80E-03	-1.87E-03	7.08E-04
7.38E+01	-2.15E-03	-2.23E-03	4.61E-04
7.38E+01	-2.55E-03	-2.62E-03	3.78E-04
7.38E+01	-2.96E-03	-2.98E-03	3.00E-04
7.38E+01	-3.38E-03	-3.27E-03	3.41E-04
7.38E+01	-3.76E-03	-3.53E-03	6.67E-04
7.38E+01	-4.10E-03	-3.81E-03	1.02E-03
7.38E+01	-4.41E-03	-4.13E-03	1.30E-03
7.38E+01	-4.65E-03	-4.34E-03	1.63E-03
7.38E+01	-4.82E-03	-4.65E-03	2.01E-03
7.38E+01	-4.94E-03	-4.96E-03	2.44E-03
7.38E+01	-5.02E-03	-5.13E-03	2.78E-03
7.39E+01	-5.05E-03	-5.34E-03	2.98E-03
7.39E+01	-5.07E-03	-5.53E-03	3.14E-03
7.39E+01	-5.08E-03	-5.65E-03	3.28E-03
7.39E+01	-5.05E-03	-5.71E-03	3.46E-03
7.39E+01	-4.94E-03	-5.77E-03	3.67E-03
7.39E+01	-4.75E-03	-5.81E-03	3.89E-03
7.39E+01	-4.46E-03	-5.76E-03	3.94E-03
7.39E+01	-4.16E-03	-5.68E-03	3.78E-03
7.39E+01	-3.82E-03	-5.51E-03	3.67E-03
7.39E+01	-3.40E-03	-5.21E-03	3.42E-03
7.39E+01	-3.01E-03	-4.97E-03	2.96E-03
7.39E+01	-2.67E-03	-4.75E-03	2.64E-03
7.39E+01	-2.41E-03	-4.54E-03	2.56E-03
7.39E+01	-2.22E-03	-4.39E-03	2.71E-03
7.39E+01	-2.11E-03	-4.28E-03	3.10E-03
7.39E+01	-2.11E-03	-4.33E-03	3.54E-03
7.39E+01	-2.17E-03	-4.47E-03	3.99E-03
7.39E+01	-2.28E-03	-4.62E-03	4.41E-03
7.39E+01	-2.38E-03	-4.84E-03	4.87E-03
7.39E+01	-2.46E-03	-5.05E-03	5.38E-03
7.40E+01	-2.46E-03	-5.25E-03	5.81E-03
7.40E+01	-2.31E-03	-5.45E-03	6.28E-03
7.40E+01	-2.12E-03	-5.68E-03	6.67E-03
7.40E+01	-1.94E-03	-5.93E-03	6.75E-03
7.40E+01	-1.78E-03	-6.12E-03	6.83E-03
7.40E+01	-1.70E-03	-6.25E-03	7.08E-03
7.40E+01	-1.66E-03	-6.33E-03	7.43E-03
7.40E+01	-1.77E-03	-6.38E-03	7.87E-03
7.40E+01	-2.05E-03	-6.47E-03	8.27E-03
7.40E+01	-2.40E-03	-6.58E-03	8.61E-03
7.40E+01	-2.85E-03	-6.71E-03	8.88E-03

7.40E+01	-3.33E-03	-6.85E-03	8.93E-03
7.40E+01	-3.81E-03	-7.00E-03	8.74E-03
7.40E+01	-4.24E-03	-7.15E-03	8.42E-03
7.40E+01	-4.50E-03	-7.23E-03	8.06E-03
7.40E+01	-4.63E-03	-7.23E-03	7.77E-03
7.40E+01	-4.69E-03	-7.19E-03	7.54E-03
7.40E+01	-4.60E-03	-7.10E-03	7.42E-03
7.40E+01	-4.41E-03	-6.98E-03	7.52E-03
7.40E+01	-4.15E-03	-6.89E-03	7.73E-03
7.41E+01	-3.88E-03	-6.89E-03	7.92E-03
7.41E+01	-3.64E-03	-6.97E-03	7.93E-03
7.41E+01	-3.41E-03	-7.06E-03	7.75E-03
7.41E+01	-3.22E-03	-7.16E-03	7.51E-03
7.41E+01	-3.11E-03	-7.31E-03	7.28E-03
7.41E+01	-3.02E-03	-7.43E-03	7.22E-03
7.41E+01	-2.97E-03	-7.54E-03	7.39E-03
7.41E+01	-2.98E-03	-7.69E-03	7.62E-03
7.41E+01	-3.05E-03	-7.84E-03	7.94E-03
7.41E+01	-3.18E-03	-7.99E-03	8.24E-03
7.41E+01	-3.27E-03	-8.15E-03	8.43E-03
7.41E+01	-3.35E-03	-8.31E-03	8.57E-03
7.41E+01	-3.44E-03	-8.52E-03	8.54E-03
7.41E+01	-3.50E-03	-8.76E-03	8.40E-03
7.41E+01	-3.53E-03	-9.01E-03	8.31E-03
7.41E+01	-3.50E-03	-9.24E-03	8.23E-03
7.41E+01	-3.46E-03	-9.50E-03	8.19E-03
7.41E+01	-3.45E-03	-9.80E-03	8.11E-03
7.41E+01	-3.41E-03	-1.01E-02	7.91E-03
7.41E+01	-3.44E-03	-1.04E-02	7.67E-03
7.42E+01	-3.55E-03	-1.06E-02	7.35E-03
7.42E+01	-3.68E-03	-1.07E-02	6.99E-03
7.42E+01	-3.80E-03	-1.06E-02	6.72E-03
7.42E+01	-3.88E-03	-1.04E-02	6.40E-03
7.42E+01	-3.94E-03	-1.00E-02	5.99E-03
7.42E+01	-3.92E-03	-9.65E-03	5.64E-03
7.42E+01	-3.73E-03	-9.17E-03	5.35E-03
7.42E+01	-3.41E-03	-8.65E-03	5.09E-03
7.42E+01	-3.00E-03	-8.17E-03	4.77E-03
7.42E+01	-2.46E-03	-7.65E-03	4.49E-03
7.42E+01	-1.85E-03	-7.11E-03	4.45E-03
7.42E+01	-1.26E-03	-6.60E-03	4.57E-03
7.42E+01	-7.79E-04	-6.14E-03	4.73E-03
7.42E+01	-4.45E-04	-5.75E-03	4.96E-03
7.42E+01	-1.93E-04	-5.43E-03	5.22E-03
7.42E+01	-3.26E-05	-5.15E-03	5.46E-03
7.42E+01	-1.13E-05	-4.97E-03	5.50E-03
7.42E+01	-1.30E-05	-4.87E-03	5.37E-03

7.42E+01	1.37E-05	-4.76E-03	5.32E-03
7.42E+01	2.21E-05	-4.70E-03	5.24E-03
7.43E+01	-6.10E-06	-4.73E-03	5.08E-03
7.43E+01	-9.44E-05	-4.77E-03	4.99E-03
7.43E+01	-1.98E-04	-4.78E-03	4.97E-03
7.43E+01	-3.42E-04	-4.77E-03	5.00E-03
7.43E+01	-5.70E-04	-4.83E-03	5.00E-03
7.43E+01	-7.95E-04	-4.97E-03	4.88E-03
7.43E+01	-1.01E-03	-5.13E-03	4.73E-03
7.43E+01	-1.20E-03	-5.29E-03	4.48E-03
7.43E+01	-1.34E-03	-5.51E-03	4.13E-03
7.43E+01	-1.47E-03	-5.75E-03	3.85E-03
7.43E+01	-1.51E-03	-5.96E-03	3.75E-03
7.43E+01	-1.46E-03	-6.13E-03	3.83E-03
7.43E+01	-1.43E-03	-6.27E-03	4.05E-03
7.43E+01	-1.38E-03	-6.38E-03	4.29E-03
7.43E+01	-1.29E-03	-6.41E-03	4.53E-03
7.43E+01	-1.18E-03	-6.30E-03	4.76E-03
7.43E+01	-1.10E-03	-6.06E-03	4.87E-03
7.43E+01	-1.08E-03	-5.69E-03	4.92E-03
7.43E+01	-1.07E-03	-5.17E-03	4.94E-03
7.43E+01	-1.10E-03	-4.58E-03	4.84E-03
7.44E+01	-1.27E-03	-4.00E-03	4.61E-03
7.44E+01	-1.45E-03	-3.49E-03	4.32E-03
7.44E+01	-1.59E-03	-3.07E-03	4.16E-03
7.44E+01	-1.73E-03	-2.75E-03	4.07E-03
7.44E+01	-1.85E-03	-2.55E-03	3.90E-03
7.44E+01	-1.92E-03	-2.36E-03	3.77E-03
7.44E+01	-1.81E-03	-2.12E-03	3.70E-03
7.44E+01	-1.52E-03	-1.82E-03	3.58E-03
7.44E+01	-1.13E-03	-1.49E-03	3.31E-03
7.44E+01	-6.22E-04	-1.17E-03	2.92E-03
7.44E+01	5.00E-05	-8.67E-04	2.63E-03
7.44E+01	7.26E-04	-7.10E-04	2.58E-03
7.44E+01	1.34E-03	-8.04E-04	2.63E-03
7.44E+01	1.84E-03	-1.08E-03	2.70E-03
7.44E+01	2.17E-03	-1.52E-03	2.79E-03
7.44E+01	2.42E-03	-2.01E-03	2.95E-03
7.44E+01	2.52E-03	-2.49E-03	3.23E-03
7.44E+01	2.50E-03	-2.96E-03	3.45E-03
7.44E+01	2.46E-03	-3.28E-03	3.58E-03
7.44E+01	2.38E-03	-3.58E-03	3.71E-03
7.45E+01	2.31E-03	-3.90E-03	3.86E-03
7.45E+01	2.23E-03	-4.22E-03	4.03E-03
7.45E+01	2.07E-03	-4.65E-03	4.07E-03
7.45E+01	1.94E-03	-5.07E-03	3.99E-03
7.45E+01	1.79E-03	-5.45E-03	3.82E-03

7.45E+01	1.59E-03	-5.87E-03	3.44E-03
7.45E+01	1.40E-03	-6.20E-03	2.95E-03
7.45E+01	1.25E-03	-6.37E-03	2.55E-03
7.45E+01	1.11E-03	-6.41E-03	2.18E-03
7.45E+01	1.02E-03	-6.38E-03	1.87E-03
7.45E+01	9.50E-04	-6.27E-03	1.75E-03
7.45E+01	1.03E-03	-6.00E-03	1.78E-03
7.45E+01	1.21E-03	-5.69E-03	1.85E-03
7.45E+01	1.42E-03	-5.43E-03	1.79E-03
7.45E+01	1.80E-03	-5.13E-03	1.62E-03
7.45E+01	2.28E-03	-4.96E-03	1.55E-03
7.45E+01	2.83E-03	-4.84E-03	1.53E-03
7.45E+01	3.40E-03	-4.73E-03	1.57E-03
7.45E+01	3.91E-03	-4.80E-03	1.74E-03
7.45E+01	4.44E-03	-4.86E-03	1.97E-03
7.46E+01	4.85E-03	-4.95E-03	2.18E-03
7.46E+01	5.08E-03	-5.11E-03	2.36E-03
7.46E+01	5.25E-03	-5.22E-03	2.57E-03
7.46E+01	5.27E-03	-5.28E-03	2.78E-03
7.46E+01	5.12E-03	-5.38E-03	2.82E-03
7.46E+01	4.82E-03	-5.56E-03	2.79E-03
7.46E+01	4.43E-03	-5.72E-03	2.85E-03
7.46E+01	4.05E-03	-5.92E-03	2.91E-03
7.46E+01	3.67E-03	-6.17E-03	2.84E-03
7.46E+01	3.39E-03	-6.41E-03	2.59E-03
7.46E+01	3.24E-03	-6.71E-03	2.31E-03
7.46E+01	3.28E-03	-6.91E-03	2.14E-03
7.46E+01	3.54E-03	-6.98E-03	1.94E-03
7.46E+01	3.83E-03	-7.07E-03	1.74E-03
7.46E+01	4.15E-03	-7.09E-03	1.61E-03
7.46E+01	4.52E-03	-7.03E-03	1.36E-03
7.46E+01	4.80E-03	-7.02E-03	1.04E-03
7.46E+01	5.02E-03	-7.03E-03	7.18E-04
7.46E+01	5.16E-03	-7.04E-03	3.71E-04
7.46E+01	5.20E-03	-7.05E-03	1.61E-04
7.47E+01	5.17E-03	-7.04E-03	-4.33E-05
7.47E+01	5.08E-03	-6.99E-03	-2.87E-04
7.47E+01	4.92E-03	-6.91E-03	-4.46E-04
7.47E+01	4.78E-03	-6.79E-03	-5.95E-04
7.47E+01	4.72E-03	-6.63E-03	-7.72E-04
7.47E+01	4.64E-03	-6.55E-03	-9.91E-04
7.47E+01	4.58E-03	-6.52E-03	-1.11E-03
7.47E+01	4.55E-03	-6.49E-03	-9.56E-04
7.47E+01	4.48E-03	-6.55E-03	-7.67E-04
7.47E+01	4.33E-03	-6.70E-03	-7.77E-04
7.47E+01	4.00E-03	-6.90E-03	-8.75E-04
7.47E+01	3.59E-03	-7.06E-03	-9.29E-04

7.47E+01	3.17E-03	-7.13E-03	-8.82E-04
7.47E+01	2.69E-03	-7.04E-03	-6.89E-04
7.47E+01	2.25E-03	-6.77E-03	-2.64E-04
7.47E+01	1.86E-03	-6.37E-03	4.08E-04
7.47E+01	1.46E-03	-5.85E-03	9.97E-04
7.47E+01	1.09E-03	-5.35E-03	1.28E-03
7.47E+01	7.44E-04	-4.86E-03	1.39E-03
7.47E+01	5.08E-04	-4.37E-03	1.32E-03
7.48E+01	3.57E-04	-3.92E-03	1.04E-03
7.48E+01	2.38E-04	-3.52E-03	5.76E-04
7.48E+01	1.93E-04	-3.20E-03	1.08E-04
7.48E+01	1.73E-04	-2.79E-03	-1.97E-04
7.48E+01	1.67E-04	-2.37E-03	-4.20E-04
7.48E+01	1.92E-04	-2.06E-03	-6.53E-04
7.48E+01	1.78E-04	-1.78E-03	-8.73E-04
7.48E+01	1.85E-04	-1.58E-03	-1.06E-03
7.48E+01	2.92E-04	-1.36E-03	-1.25E-03
7.48E+01	4.32E-04	-1.13E-03	-1.46E-03
7.48E+01	6.40E-04	-8.90E-04	-1.70E-03
7.48E+01	9.74E-04	-5.97E-04	-1.83E-03
7.48E+01	1.41E-03	-3.23E-04	-1.80E-03
7.48E+01	1.91E-03	-9.57E-05	-1.66E-03
7.48E+01	2.39E-03	9.82E-05	-1.35E-03
7.48E+01	2.83E-03	2.26E-04	-1.03E-03
7.48E+01	3.21E-03	2.47E-04	-7.88E-04
7.48E+01	3.38E-03	1.45E-04	-5.52E-04
7.48E+01	3.32E-03	-5.70E-05	-4.72E-04
7.48E+01	3.17E-03	-2.70E-04	-5.70E-04
7.49E+01	2.94E-03	-4.65E-04	-7.28E-04
7.49E+01	2.60E-03	-7.20E-04	-9.42E-04
7.49E+01	2.21E-03	-1.02E-03	-1.15E-03
7.49E+01	1.89E-03	-1.33E-03	-1.32E-03
7.49E+01	1.76E-03	-1.68E-03	-1.44E-03
7.49E+01	1.76E-03	-2.07E-03	-1.48E-03
7.49E+01	1.85E-03	-2.50E-03	-1.66E-03
7.49E+01	2.07E-03	-2.91E-03	-2.03E-03
7.49E+01	2.34E-03	-3.28E-03	-2.37E-03
7.49E+01	2.67E-03	-3.58E-03	-2.69E-03
7.49E+01	2.96E-03	-3.86E-03	-2.99E-03
7.49E+01	3.11E-03	-4.13E-03	-3.21E-03
7.49E+01	3.21E-03	-4.31E-03	-3.34E-03
7.49E+01	3.16E-03	-4.54E-03	-3.40E-03
7.49E+01	2.99E-03	-4.79E-03	-3.64E-03
7.49E+01	2.83E-03	-5.00E-03	-3.90E-03
7.49E+01	2.63E-03	-5.16E-03	-3.91E-03
7.49E+01	2.42E-03	-5.37E-03	-3.85E-03
7.49E+01	2.21E-03	-5.58E-03	-3.72E-03

7.49E+01	1.98E-03	-5.78E-03	-3.45E-03
7.50E+01	1.78E-03	-6.06E-03	-3.14E-03
7.50E+01	1.58E-03	-6.19E-03	-2.88E-03
7.50E+01	1.36E-03	-6.41E-03	-2.80E-03
7.50E+01	1.15E-03	-6.66E-03	-2.74E-03
7.50E+01	8.20E-04	-6.67E-03	-2.77E-03
7.50E+01	3.87E-04	-6.73E-03	-2.99E-03
7.50E+01	-2.29E-05	-6.63E-03	-3.15E-03
7.50E+01	-5.13E-04	-6.41E-03	-3.20E-03
7.50E+01	-1.01E-03	-6.19E-03	-3.10E-03
7.50E+01	-1.49E-03	-5.76E-03	-3.03E-03
7.50E+01	-2.07E-03	-5.41E-03	-3.15E-03
7.50E+01	-2.53E-03	-5.06E-03	-3.39E-03
7.50E+01	-2.83E-03	-4.67E-03	-3.74E-03
7.50E+01	-3.07E-03	-4.37E-03	-3.98E-03
7.50E+01	-3.18E-03	-4.01E-03	-4.18E-03
7.50E+01	-3.20E-03	-3.78E-03	-4.48E-03
7.50E+01	-3.11E-03	-3.61E-03	-4.72E-03
7.50E+01	-3.04E-03	-3.45E-03	-4.96E-03
7.50E+01	-3.07E-03	-3.44E-03	-5.34E-03
7.50E+01	-3.08E-03	-3.45E-03	-5.90E-03
7.51E+01	-3.19E-03	-3.49E-03	-6.54E-03
7.51E+01	-3.27E-03	-3.47E-03	-7.12E-03
7.51E+01	-3.35E-03	-3.31E-03	-7.58E-03
7.51E+01	-3.49E-03	-3.01E-03	-7.78E-03
7.51E+01	-3.57E-03	-2.55E-03	-7.77E-03
7.51E+01	-3.68E-03	-2.11E-03	-7.55E-03
7.51E+01	-3.88E-03	-1.71E-03	-7.29E-03
7.51E+01	-4.07E-03	-1.31E-03	-7.07E-03
7.51E+01	-4.24E-03	-9.53E-04	-6.70E-03
7.51E+01	-4.40E-03	-6.61E-04	-6.17E-03
7.51E+01	-4.56E-03	-4.35E-04	-5.52E-03
7.51E+01	-4.79E-03	-2.39E-04	-4.76E-03
7.51E+01	-4.99E-03	-8.07E-05	-4.08E-03
7.51E+01	-5.11E-03	5.21E-05	-3.45E-03
7.51E+01	-5.25E-03	7.04E-05	-2.87E-03
7.51E+01	-5.33E-03	3.09E-05	-2.44E-03
7.51E+01	-5.33E-03	6.01E-05	-2.20E-03
7.51E+01	-5.26E-03	1.09E-04	-2.20E-03
7.51E+01	-5.13E-03	2.25E-04	-2.45E-03
7.51E+01	-5.04E-03	3.61E-04	-2.87E-03
7.52E+01	-4.90E-03	5.14E-04	-3.35E-03
7.52E+01	-4.77E-03	7.13E-04	-3.88E-03
7.52E+01	-4.77E-03	8.13E-04	-4.44E-03
7.52E+01	-4.82E-03	9.37E-04	-4.96E-03
7.52E+01	-4.87E-03	1.12E-03	-5.49E-03
7.52E+01	-4.87E-03	1.26E-03	-5.94E-03

7.52E+01	-4.85E-03	1.48E-03	-6.24E-03
7.52E+01	-4.83E-03	1.71E-03	-6.44E-03
7.52E+01	-4.71E-03	1.89E-03	-6.50E-03
7.52E+01	-4.51E-03	2.07E-03	-6.51E-03
7.52E+01	-4.30E-03	2.20E-03	-6.51E-03
7.52E+01	-4.11E-03	2.25E-03	-6.49E-03
7.52E+01	-3.92E-03	2.25E-03	-6.31E-03
7.52E+01	-3.71E-03	2.26E-03	-5.88E-03
7.52E+01	-3.54E-03	2.18E-03	-5.52E-03
7.52E+01	-3.44E-03	2.03E-03	-5.10E-03
7.52E+01	-3.37E-03	1.96E-03	-4.48E-03
7.52E+01	-3.28E-03	1.91E-03	-3.93E-03
7.52E+01	-3.18E-03	1.94E-03	-3.43E-03
7.52E+01	-3.15E-03	1.93E-03	-3.10E-03
7.53E+01	-3.09E-03	1.89E-03	-3.10E-03
7.53E+01	-2.90E-03	1.96E-03	-3.19E-03
7.53E+01	-2.72E-03	1.95E-03	-3.41E-03
7.53E+01	-2.51E-03	1.88E-03	-3.67E-03
7.53E+01	-2.20E-03	1.96E-03	-3.88E-03
7.53E+01	-1.85E-03	2.14E-03	-4.30E-03
7.53E+01	-1.48E-03	2.24E-03	-4.85E-03
7.53E+01	-1.11E-03	2.20E-03	-5.47E-03
7.53E+01	-7.00E-04	2.19E-03	-6.19E-03
7.53E+01	-1.60E-04	2.09E-03	-6.90E-03
7.53E+01	4.60E-04	1.84E-03	-7.38E-03
7.53E+01	9.69E-04	1.50E-03	-7.48E-03
7.53E+01	1.47E-03	1.10E-03	-7.40E-03
7.53E+01	2.04E-03	7.51E-04	-7.21E-03
7.53E+01	2.46E-03	4.43E-04	-7.04E-03
7.53E+01	2.70E-03	1.77E-04	-7.13E-03
7.53E+01	2.86E-03	-5.46E-05	-7.40E-03
7.53E+01	2.92E-03	-2.45E-04	-7.69E-03
7.53E+01	2.90E-03	-3.37E-04	-7.88E-03
7.53E+01	2.82E-03	-3.97E-04	-7.81E-03
7.54E+01	2.62E-03	-5.21E-04	-7.29E-03
7.54E+01	2.39E-03	-6.68E-04	-6.34E-03
7.54E+01	2.15E-03	-9.13E-04	-5.30E-03
7.54E+01	1.83E-03	-1.30E-03	-4.36E-03
7.54E+01	1.48E-03	-1.68E-03	-3.49E-03
7.54E+01	1.16E-03	-1.99E-03	-2.91E-03
7.54E+01	7.66E-04	-2.21E-03	-2.76E-03
7.54E+01	3.72E-04	-2.27E-03	-2.86E-03
7.54E+01	2.46E-05	-2.17E-03	-3.04E-03
7.54E+01	-2.90E-04	-1.97E-03	-3.16E-03
7.54E+01	-5.49E-04	-1.67E-03	-3.19E-03
7.54E+01	-7.91E-04	-1.39E-03	-3.37E-03
7.54E+01	-9.48E-04	-1.13E-03	-3.71E-03

7.54E+01	-9.54E-04	-7.97E-04	-4.12E-03
7.54E+01	-8.71E-04	-4.37E-04	-4.63E-03
7.54E+01	-7.07E-04	-4.81E-05	-5.19E-03
7.54E+01	-4.70E-04	3.96E-04	-5.64E-03
7.54E+01	-1.33E-04	8.65E-04	-5.82E-03
7.54E+01	2.41E-04	1.36E-03	-5.63E-03
7.54E+01	5.82E-04	1.81E-03	-5.17E-03
7.55E+01	9.33E-04	2.23E-03	-4.55E-03
7.55E+01	1.22E-03	2.60E-03	-4.01E-03
7.55E+01	1.36E-03	2.85E-03	-3.82E-03
7.55E+01	1.33E-03	3.00E-03	-3.91E-03
7.55E+01	1.19E-03	3.14E-03	-4.05E-03
7.55E+01	1.01E-03	3.29E-03	-4.11E-03
7.55E+01	7.77E-04	3.44E-03	-4.03E-03
7.55E+01	4.79E-04	3.53E-03	-3.87E-03
7.55E+01	2.08E-04	3.54E-03	-3.58E-03
7.55E+01	2.35E-05	3.49E-03	-3.16E-03
7.55E+01	-1.33E-04	3.36E-03	-2.79E-03
7.55E+01	-2.53E-04	3.18E-03	-2.54E-03
7.55E+01	-3.26E-04	3.06E-03	-2.46E-03
7.55E+01	-3.47E-04	3.04E-03	-2.55E-03
7.55E+01	-3.44E-04	3.15E-03	-2.72E-03
7.55E+01	-3.40E-04	3.33E-03	-2.96E-03
7.55E+01	-3.01E-04	3.56E-03	-3.16E-03
7.55E+01	-2.23E-04	3.84E-03	-3.28E-03
7.55E+01	-9.77E-05	4.11E-03	-3.47E-03
7.55E+01	6.35E-05	4.36E-03	-3.83E-03
7.56E+01	2.56E-04	4.61E-03	-4.25E-03
7.56E+01	5.38E-04	4.86E-03	-4.56E-03
7.56E+01	8.76E-04	5.09E-03	-4.62E-03
7.56E+01	1.17E-03	5.23E-03	-4.48E-03
7.56E+01	1.42E-03	5.29E-03	-4.20E-03
7.56E+01	1.67E-03	5.35E-03	-3.70E-03
7.56E+01	1.90E-03	5.40E-03	-3.13E-03
7.56E+01	2.08E-03	5.42E-03	-2.68E-03
7.56E+01	2.19E-03	5.40E-03	-2.36E-03
7.56E+01	2.23E-03	5.38E-03	-2.17E-03
7.56E+01	2.22E-03	5.34E-03	-2.08E-03
7.56E+01	2.13E-03	5.27E-03	-1.97E-03
7.56E+01	1.96E-03	5.14E-03	-1.74E-03
7.56E+01	1.77E-03	5.02E-03	-1.25E-03
7.56E+01	1.56E-03	4.90E-03	-5.84E-04
7.56E+01	1.28E-03	4.75E-03	1.06E-04
7.56E+01	9.94E-04	4.61E-03	7.97E-04
7.56E+01	7.62E-04	4.48E-03	1.39E-03
7.56E+01	5.97E-04	4.37E-03	1.79E-03
7.56E+01	4.71E-04	4.28E-03	1.84E-03

7.57E+01	3.50E-04	4.13E-03	1.46E-03
7.57E+01	2.87E-04	4.00E-03	9.16E-04
7.57E+01	2.87E-04	3.91E-03	4.14E-04
7.57E+01	3.00E-04	3.76E-03	-4.12E-05
7.57E+01	3.00E-04	3.54E-03	-2.69E-04
7.57E+01	3.01E-04	3.23E-03	-1.86E-04
7.57E+01	3.56E-04	2.83E-03	1.57E-04
7.57E+01	3.85E-04	2.35E-03	5.77E-04
7.57E+01	3.76E-04	1.86E-03	7.46E-04
7.57E+01	4.18E-04	1.48E-03	6.28E-04
7.57E+01	4.81E-04	1.27E-03	4.35E-04
7.57E+01	5.72E-04	1.24E-03	3.37E-04
7.57E+01	6.73E-04	1.32E-03	4.99E-04
7.57E+01	7.51E-04	1.51E-03	8.67E-04
7.57E+01	8.02E-04	1.72E-03	1.24E-03
7.57E+01	7.87E-04	1.90E-03	1.59E-03
7.57E+01	7.26E-04	2.04E-03	1.94E-03
7.57E+01	7.06E-04	2.24E-03	2.33E-03
7.57E+01	7.68E-04	2.59E-03	2.73E-03
7.57E+01	8.62E-04	3.04E-03	3.00E-03
7.58E+01	9.80E-04	3.55E-03	3.13E-03
7.58E+01	1.16E-03	4.09E-03	3.13E-03
7.58E+01	1.42E-03	4.60E-03	3.08E-03
7.58E+01	1.75E-03	5.06E-03	3.08E-03
7.58E+01	2.11E-03	5.39E-03	3.02E-03
7.58E+01	2.48E-03	5.62E-03	2.86E-03
7.58E+01	2.87E-03	5.83E-03	2.65E-03
7.58E+01	3.24E-03	6.02E-03	2.33E-03
7.58E+01	3.57E-03	6.18E-03	1.90E-03
7.58E+01	3.78E-03	6.30E-03	1.56E-03
7.58E+01	3.88E-03	6.39E-03	1.42E-03
7.58E+01	3.83E-03	6.39E-03	1.43E-03
7.58E+01	3.57E-03	6.27E-03	1.49E-03
7.58E+01	3.19E-03	6.04E-03	1.59E-03
7.58E+01	2.80E-03	5.73E-03	1.75E-03
7.58E+01	2.40E-03	5.33E-03	1.85E-03
7.58E+01	2.01E-03	4.89E-03	1.81E-03
7.58E+01	1.67E-03	4.47E-03	1.64E-03
7.58E+01	1.45E-03	4.15E-03	1.33E-03
7.58E+01	1.33E-03	3.97E-03	9.82E-04
7.59E+01	1.27E-03	3.87E-03	6.80E-04
7.59E+01	1.29E-03	3.82E-03	4.76E-04
7.59E+01	1.36E-03	3.83E-03	3.90E-04
7.59E+01	1.44E-03	3.85E-03	3.59E-04
7.59E+01	1.51E-03	3.86E-03	4.43E-04
7.59E+01	1.58E-03	3.90E-03	7.49E-04
7.59E+01	1.64E-03	3.99E-03	1.16E-03

7.59E+01	1.66E-03	4.15E-03	1.54E-03
7.59E+01	1.58E-03	4.36E-03	1.85E-03
7.59E+01	1.47E-03	4.60E-03	2.14E-03
7.59E+01	1.37E-03	4.88E-03	2.41E-03
7.59E+01	1.19E-03	5.12E-03	2.58E-03
7.59E+01	9.37E-04	5.31E-03	2.63E-03
7.59E+01	6.60E-04	5.39E-03	2.59E-03
7.59E+01	3.98E-04	5.29E-03	2.42E-03
7.59E+01	1.61E-04	5.00E-03	2.28E-03
7.59E+01	-6.50E-05	4.50E-03	2.24E-03
7.59E+01	-2.38E-04	3.80E-03	2.37E-03
7.59E+01	-3.74E-04	3.04E-03	2.72E-03
7.59E+01	-4.76E-04	2.24E-03	3.15E-03
7.60E+01	-5.10E-04	1.48E-03	3.59E-03
7.60E+01	-5.08E-04	8.35E-04	4.03E-03
7.60E+01	-4.28E-04	3.22E-04	4.36E-03
7.60E+01	-2.75E-04	-4.96E-05	4.43E-03
7.60E+01	-1.38E-04	-3.28E-04	4.13E-03
7.60E+01	-4.77E-06	-5.23E-04	3.58E-03
7.60E+01	1.88E-04	-5.69E-04	3.08E-03
7.60E+01	4.23E-04	-4.81E-04	2.80E-03
7.60E+01	6.41E-04	-3.36E-04	2.69E-03
7.60E+01	8.48E-04	-1.35E-04	2.70E-03
7.60E+01	1.08E-03	1.13E-04	2.72E-03
7.60E+01	1.36E-03	3.74E-04	2.73E-03
7.60E+01	1.63E-03	6.87E-04	2.90E-03
7.60E+01	1.89E-03	1.08E-03	3.25E-03
7.60E+01	2.16E-03	1.55E-03	3.74E-03
7.60E+01	2.37E-03	2.08E-03	4.26E-03
7.60E+01	2.49E-03	2.61E-03	4.73E-03
7.60E+01	2.54E-03	3.11E-03	5.17E-03
7.60E+01	2.56E-03	3.57E-03	5.49E-03
7.60E+01	2.59E-03	3.91E-03	5.70E-03
7.61E+01	2.64E-03	4.17E-03	5.91E-03
7.61E+01	2.66E-03	4.26E-03	6.00E-03
7.61E+01	2.72E-03	4.18E-03	5.90E-03
7.61E+01	2.85E-03	3.98E-03	5.65E-03
7.61E+01	2.97E-03	3.61E-03	5.22E-03
7.61E+01	3.00E-03	3.11E-03	4.74E-03
7.61E+01	2.95E-03	2.52E-03	4.23E-03
7.61E+01	2.86E-03	1.89E-03	3.67E-03
7.61E+01	2.70E-03	1.26E-03	3.21E-03
7.61E+01	2.45E-03	6.20E-04	2.85E-03
7.61E+01	2.20E-03	-6.10E-06	2.69E-03
7.61E+01	1.91E-03	-6.22E-04	2.77E-03
7.61E+01	1.50E-03	-1.27E-03	2.88E-03
7.61E+01	1.00E-03	-1.91E-03	2.92E-03

7.61E+01	4.57E-04	-2.48E-03	2.97E-03
7.61E+01	-5.25E-05	-2.93E-03	3.04E-03
7.61E+01	-5.35E-04	-3.23E-03	3.09E-03
7.61E+01	-9.61E-04	-3.41E-03	3.05E-03
7.61E+01	-1.21E-03	-3.38E-03	3.06E-03
7.61E+01	-1.27E-03	-3.18E-03	3.22E-03
7.62E+01	-1.14E-03	-2.86E-03	3.47E-03
7.62E+01	-8.36E-04	-2.41E-03	3.82E-03
7.62E+01	-3.35E-04	-1.86E-03	4.25E-03
7.62E+01	3.21E-04	-1.24E-03	4.61E-03
7.62E+01	9.73E-04	-6.38E-04	4.77E-03
7.62E+01	1.53E-03	-6.26E-05	4.75E-03
7.62E+01	2.00E-03	5.37E-04	4.67E-03
7.62E+01	2.28E-03	1.08E-03	4.51E-03
7.62E+01	2.32E-03	1.55E-03	4.32E-03
7.62E+01	2.10E-03	1.95E-03	4.12E-03
7.62E+01	1.69E-03	2.29E-03	3.94E-03
7.62E+01	1.14E-03	2.66E-03	3.79E-03
7.62E+01	4.65E-04	3.04E-03	3.70E-03
7.62E+01	-3.33E-04	3.40E-03	3.55E-03
7.62E+01	-1.18E-03	3.74E-03	3.27E-03
7.62E+01	-2.01E-03	4.05E-03	3.00E-03
7.62E+01	-2.83E-03	4.27E-03	2.78E-03
7.62E+01	-3.61E-03	4.35E-03	2.57E-03
7.62E+01	-4.33E-03	4.27E-03	2.28E-03
7.62E+01	-4.93E-03	4.08E-03	1.96E-03
7.63E+01	-5.40E-03	3.83E-03	1.78E-03
7.63E+01	-5.77E-03	3.55E-03	1.84E-03
7.63E+01	-6.00E-03	3.30E-03	2.06E-03
7.63E+01	-6.11E-03	3.12E-03	2.24E-03
7.63E+01	-6.10E-03	2.98E-03	2.36E-03
7.63E+01	-5.98E-03	2.86E-03	2.45E-03
7.63E+01	-5.73E-03	2.76E-03	2.50E-03
7.63E+01	-5.29E-03	2.65E-03	2.53E-03
7.63E+01	-4.72E-03	2.54E-03	2.59E-03
7.63E+01	-4.09E-03	2.35E-03	2.66E-03
7.63E+01	-3.42E-03	2.08E-03	2.78E-03
7.63E+01	-2.73E-03	1.75E-03	3.00E-03
7.63E+01	-2.07E-03	1.33E-03	3.20E-03
7.63E+01	-1.54E-03	8.42E-04	3.36E-03
7.63E+01	-1.14E-03	3.48E-04	3.55E-03
7.63E+01	-8.11E-04	-1.46E-04	3.79E-03
7.63E+01	-5.32E-04	-6.02E-04	3.99E-03
7.63E+01	-3.01E-04	-1.01E-03	4.05E-03
7.63E+01	-3.30E-05	-1.36E-03	3.98E-03
7.63E+01	3.36E-04	-1.64E-03	3.93E-03
7.64E+01	7.71E-04	-1.96E-03	3.83E-03

7.64E+01	1.23E-03	-2.33E-03	3.68E-03
7.64E+01	1.71E-03	-2.69E-03	3.47E-03
7.64E+01	2.25E-03	-3.01E-03	3.22E-03
7.64E+01	2.78E-03	-3.26E-03	3.04E-03
7.64E+01	3.19E-03	-3.49E-03	2.77E-03
7.64E+01	3.54E-03	-3.68E-03	2.39E-03
7.64E+01	3.89E-03	-3.74E-03	2.06E-03
7.64E+01	4.18E-03	-3.76E-03	1.85E-03
7.64E+01	4.40E-03	-3.78E-03	1.87E-03
7.64E+01	4.54E-03	-3.83E-03	2.04E-03
7.64E+01	4.57E-03	-3.92E-03	2.18E-03
7.64E+01	4.46E-03	-4.03E-03	2.27E-03
7.64E+01	4.19E-03	-4.19E-03	2.37E-03
7.64E+01	3.77E-03	-4.29E-03	2.48E-03
7.64E+01	3.32E-03	-4.30E-03	2.67E-03
7.64E+01	2.89E-03	-4.15E-03	2.88E-03
7.64E+01	2.52E-03	-3.91E-03	3.04E-03
7.64E+01	2.25E-03	-3.64E-03	3.21E-03
7.64E+01	2.06E-03	-3.39E-03	3.27E-03
7.65E+01	1.95E-03	-3.17E-03	3.22E-03
7.65E+01	1.93E-03	-2.96E-03	3.04E-03
7.65E+01	1.91E-03	-2.82E-03	2.80E-03
7.65E+01	1.95E-03	-2.63E-03	2.80E-03
7.65E+01	2.07E-03	-2.35E-03	2.80E-03
7.65E+01	2.23E-03	-2.06E-03	2.58E-03
7.65E+01	2.40E-03	-1.64E-03	2.33E-03
7.65E+01	2.57E-03	-1.19E-03	2.01E-03
7.65E+01	2.77E-03	-7.97E-04	1.61E-03
7.65E+01	2.91E-03	-4.14E-04	1.13E-03
7.65E+01	2.94E-03	-6.92E-05	6.05E-04
7.65E+01	2.97E-03	2.74E-04	2.31E-04
7.65E+01	2.91E-03	5.72E-04	-3.62E-05
7.65E+01	2.72E-03	7.59E-04	-3.27E-04
7.65E+01	2.39E-03	8.77E-04	-5.63E-04
7.65E+01	1.95E-03	1.00E-03	-7.14E-04
7.65E+01	1.50E-03	1.16E-03	-8.51E-04
7.65E+01	1.05E-03	1.33E-03	-1.01E-03
7.65E+01	6.65E-04	1.55E-03	-1.15E-03
7.65E+01	4.41E-04	1.82E-03	-1.12E-03
7.66E+01	3.55E-04	2.04E-03	-9.22E-04
7.66E+01	3.44E-04	2.14E-03	-6.50E-04
7.66E+01	3.78E-04	2.13E-03	-3.18E-04
7.66E+01	4.98E-04	2.05E-03	5.09E-05
7.66E+01	7.23E-04	1.92E-03	3.77E-04
7.66E+01	9.65E-04	1.75E-03	5.40E-04
7.66E+01	1.20E-03	1.54E-03	4.16E-04
7.66E+01	1.45E-03	1.36E-03	1.23E-04

7.66E+01	1.69E-03	1.21E-03	-1.45E-04
7.66E+01	1.90E-03	1.04E-03	-3.27E-04
7.66E+01	2.01E-03	8.21E-04	-3.65E-04
7.66E+01	2.06E-03	5.39E-04	-2.53E-04
7.66E+01	2.10E-03	1.86E-04	-6.22E-05
7.66E+01	2.07E-03	-2.79E-04	1.33E-04
7.66E+01	2.00E-03	-8.21E-04	2.39E-04
7.66E+01	1.99E-03	-1.30E-03	3.53E-04
7.66E+01	2.06E-03	-1.68E-03	5.32E-04
7.66E+01	2.22E-03	-2.00E-03	5.81E-04
7.66E+01	2.41E-03	-2.26E-03	5.80E-04
7.66E+01	2.65E-03	-2.49E-03	6.25E-04
7.67E+01	2.99E-03	-2.72E-03	6.06E-04
7.67E+01	3.25E-03	-3.00E-03	5.04E-04
7.67E+01	3.42E-03	-3.33E-03	1.96E-04
7.67E+01	3.52E-03	-3.66E-03	-2.31E-04
7.67E+01	3.54E-03	-3.83E-03	-5.36E-04
7.67E+01	3.48E-03	-3.81E-03	-7.95E-04
7.67E+01	3.34E-03	-3.66E-03	-1.00E-03
7.67E+01	3.15E-03	-3.30E-03	-1.01E-03
7.67E+01	2.97E-03	-2.77E-03	-8.91E-04
7.67E+01	2.78E-03	-2.12E-03	-7.80E-04
7.67E+01	2.60E-03	-1.43E-03	-7.07E-04
7.67E+01	2.49E-03	-6.85E-04	-5.95E-04
7.67E+01	2.46E-03	1.57E-04	-4.59E-04
7.67E+01	2.49E-03	9.86E-04	-3.77E-04
7.67E+01	2.54E-03	1.78E-03	-3.07E-04
7.67E+01	2.60E-03	2.51E-03	-2.32E-04
7.67E+01	2.69E-03	3.10E-03	-9.40E-05
7.67E+01	2.75E-03	3.55E-03	2.53E-04
7.67E+01	2.76E-03	3.78E-03	7.20E-04
7.67E+01	2.77E-03	3.83E-03	1.14E-03
7.68E+01	2.79E-03	3.73E-03	1.45E-03
7.68E+01	2.89E-03	3.55E-03	1.65E-03
7.68E+01	3.06E-03	3.31E-03	1.81E-03
7.68E+01	3.25E-03	3.03E-03	1.88E-03
7.68E+01	3.57E-03	2.77E-03	1.81E-03
7.68E+01	3.99E-03	2.56E-03	1.69E-03
7.68E+01	4.35E-03	2.35E-03	1.43E-03
7.68E+01	4.64E-03	2.13E-03	1.02E-03
7.68E+01	4.86E-03	1.92E-03	5.93E-04
7.68E+01	4.98E-03	1.74E-03	1.54E-04
7.68E+01	4.98E-03	1.58E-03	-1.83E-04
7.68E+01	4.83E-03	1.41E-03	-3.21E-04
7.68E+01	4.66E-03	1.25E-03	-4.00E-04
7.68E+01	4.52E-03	1.14E-03	-4.68E-04
7.68E+01	4.33E-03	1.09E-03	-6.08E-04

7.68E+01	4.22E-03	1.11E-03	-8.07E-04
7.68E+01	4.24E-03	1.27E-03	-9.55E-04
7.68E+01	4.40E-03	1.53E-03	-1.26E-03
7.68E+01	4.66E-03	1.81E-03	-1.68E-03
7.68E+01	4.93E-03	2.17E-03	-1.93E-03
7.69E+01	5.30E-03	2.52E-03	-2.02E-03
7.69E+01	5.69E-03	2.80E-03	-1.92E-03
7.69E+01	6.01E-03	3.01E-03	-1.61E-03
7.69E+01	6.27E-03	3.07E-03	-1.23E-03
7.69E+01	6.49E-03	3.05E-03	-7.65E-04
7.69E+01	6.60E-03	2.99E-03	-4.00E-04
7.69E+01	6.60E-03	2.87E-03	-3.48E-04
7.69E+01	6.48E-03	2.78E-03	-5.51E-04
7.69E+01	6.24E-03	2.70E-03	-1.04E-03
7.69E+01	5.88E-03	2.61E-03	-1.81E-03
7.69E+01	5.41E-03	2.47E-03	-2.63E-03
7.69E+01	4.88E-03	2.31E-03	-3.27E-03
7.69E+01	4.36E-03	2.18E-03	-3.56E-03
7.69E+01	3.83E-03	2.01E-03	-3.60E-03
7.69E+01	3.36E-03	1.85E-03	-3.53E-03
7.69E+01	2.95E-03	1.76E-03	-3.27E-03
7.69E+01	2.64E-03	1.74E-03	-2.85E-03
7.69E+01	2.50E-03	1.81E-03	-2.38E-03
7.69E+01	2.46E-03	1.93E-03	-2.00E-03
7.69E+01	2.52E-03	2.07E-03	-1.83E-03
7.70E+01	2.69E-03	2.30E-03	-1.80E-03
7.70E+01	2.93E-03	2.59E-03	-1.84E-03
7.70E+01	3.21E-03	2.88E-03	-1.95E-03
7.70E+01	3.38E-03	3.17E-03	-1.99E-03
7.70E+01	3.48E-03	3.49E-03	-1.89E-03
7.70E+01	3.58E-03	3.73E-03	-1.83E-03
7.70E+01	3.59E-03	3.81E-03	-1.83E-03
7.70E+01	3.53E-03	3.82E-03	-1.84E-03
7.70E+01	3.47E-03	3.83E-03	-1.93E-03
7.70E+01	3.47E-03	3.78E-03	-2.15E-03
7.70E+01	3.50E-03	3.69E-03	-2.42E-03
7.70E+01	3.51E-03	3.59E-03	-2.59E-03
7.70E+01	3.55E-03	3.51E-03	-2.78E-03
7.70E+01	3.65E-03	3.40E-03	-3.08E-03
7.70E+01	3.73E-03	3.27E-03	-3.33E-03
7.70E+01	3.76E-03	3.11E-03	-3.53E-03
7.70E+01	3.79E-03	2.95E-03	-3.70E-03
7.70E+01	3.83E-03	2.92E-03	-3.89E-03
7.70E+01	3.83E-03	2.95E-03	-4.11E-03
7.70E+01	3.80E-03	3.04E-03	-4.23E-03
7.71E+01	3.76E-03	3.17E-03	-4.19E-03
7.71E+01	3.77E-03	3.28E-03	-3.98E-03

7.71E+01	3.80E-03	3.33E-03	-3.56E-03
7.71E+01	3.78E-03	3.22E-03	-3.04E-03
7.71E+01	3.74E-03	2.97E-03	-2.56E-03
7.71E+01	3.69E-03	2.62E-03	-2.18E-03
7.71E+01	3.66E-03	2.22E-03	-1.92E-03
7.71E+01	3.66E-03	1.85E-03	-1.68E-03
7.71E+01	3.67E-03	1.58E-03	-1.46E-03
7.71E+01	3.78E-03	1.47E-03	-1.34E-03
7.71E+01	3.88E-03	1.54E-03	-1.38E-03
7.71E+01	3.92E-03	1.70E-03	-1.66E-03
7.71E+01	3.97E-03	1.94E-03	-2.07E-03
7.71E+01	4.06E-03	2.20E-03	-2.44E-03
7.71E+01	4.17E-03	2.43E-03	-2.81E-03
7.71E+01	4.24E-03	2.69E-03	-3.22E-03
7.71E+01	4.26E-03	3.03E-03	-3.54E-03
7.71E+01	4.31E-03	3.45E-03	-3.65E-03
7.71E+01	4.34E-03	3.96E-03	-3.56E-03
7.71E+01	4.32E-03	4.43E-03	-3.47E-03
7.72E+01	4.27E-03	4.81E-03	-3.54E-03
7.72E+01	4.22E-03	5.17E-03	-3.73E-03
7.72E+01	4.17E-03	5.45E-03	-4.05E-03
7.72E+01	4.12E-03	5.66E-03	-4.49E-03
7.72E+01	4.09E-03	5.86E-03	-4.78E-03
7.72E+01	4.11E-03	6.06E-03	-4.87E-03
7.72E+01	4.14E-03	6.20E-03	-4.95E-03
7.72E+01	4.06E-03	6.22E-03	-5.09E-03
7.72E+01	3.97E-03	6.18E-03	-5.14E-03
7.72E+01	3.89E-03	6.11E-03	-4.90E-03
7.72E+01	3.73E-03	6.00E-03	-4.50E-03
7.72E+01	3.48E-03	5.81E-03	-4.19E-03
7.72E+01	3.16E-03	5.57E-03	-3.99E-03
7.72E+01	2.84E-03	5.40E-03	-3.84E-03
7.72E+01	2.53E-03	5.29E-03	-3.72E-03
7.72E+01	2.19E-03	5.23E-03	-3.61E-03
7.72E+01	1.97E-03	5.24E-03	-3.44E-03
7.72E+01	1.86E-03	5.31E-03	-3.14E-03
7.72E+01	1.85E-03	5.39E-03	-2.92E-03
7.72E+01	1.93E-03	5.46E-03	-2.79E-03
7.73E+01	2.05E-03	5.52E-03	-2.64E-03
7.73E+01	2.18E-03	5.59E-03	-2.57E-03
7.73E+01	2.24E-03	5.70E-03	-2.59E-03
7.73E+01	2.14E-03	5.81E-03	-2.78E-03
7.73E+01	1.93E-03	5.95E-03	-3.03E-03
7.73E+01	1.62E-03	6.21E-03	-3.07E-03
7.73E+01	1.22E-03	6.50E-03	-2.98E-03
7.73E+01	7.25E-04	6.73E-03	-2.80E-03
7.73E+01	1.00E-04	6.94E-03	-2.50E-03

7.73E+01	-5.80E-04	7.11E-03	-2.24E-03
7.73E+01	-1.22E-03	7.28E-03	-1.99E-03
7.73E+01	-1.87E-03	7.47E-03	-1.70E-03
7.73E+01	-2.48E-03	7.63E-03	-1.50E-03
7.73E+01	-2.98E-03	7.78E-03	-1.34E-03
7.73E+01	-3.41E-03	7.84E-03	-1.20E-03
7.73E+01	-3.71E-03	7.81E-03	-1.08E-03
7.73E+01	-3.93E-03	7.65E-03	-8.68E-04
7.73E+01	-4.08E-03	7.49E-03	-5.45E-04
7.73E+01	-4.14E-03	7.28E-03	-2.26E-04
7.73E+01	-4.23E-03	7.01E-03	-1.66E-05
7.74E+01	-4.34E-03	6.85E-03	-1.79E-05
7.74E+01	-4.43E-03	6.56E-03	-3.46E-04
7.74E+01	-4.39E-03	6.44E-03	-7.51E-04
7.74E+01	-4.33E-03	6.37E-03	-1.05E-03
7.74E+01	-4.31E-03	6.03E-03	-1.28E-03
7.74E+01	-4.09E-03	5.86E-03	-1.31E-03
7.74E+01	-3.74E-03	5.65E-03	-1.28E-03
7.74E+01	-3.40E-03	5.32E-03	-1.25E-03
7.74E+01	-2.97E-03	5.01E-03	-1.25E-03
7.74E+01	-2.45E-03	4.61E-03	-1.26E-03
7.74E+01	-1.90E-03	4.41E-03	-1.17E-03
7.74E+01	-1.34E-03	4.31E-03	-1.29E-03
7.74E+01	-9.03E-04	4.18E-03	-1.44E-03
7.74E+01	-5.32E-04	4.24E-03	-1.29E-03
7.74E+01	-1.65E-04	4.35E-03	-9.67E-04
7.74E+01	5.97E-05	4.46E-03	-4.48E-04
7.74E+01	1.73E-04	4.54E-03	1.06E-04
7.74E+01	2.18E-04	4.51E-03	4.78E-04
7.74E+01	2.70E-04	4.58E-03	6.59E-04
7.74E+01	3.20E-04	4.62E-03	5.99E-04
7.75E+01	3.83E-04	4.68E-03	3.92E-04
7.75E+01	5.47E-04	4.84E-03	2.32E-04
7.75E+01	7.87E-04	5.02E-03	1.65E-04
7.75E+01	1.08E-03	5.27E-03	1.24E-04
7.75E+01	1.35E-03	5.39E-03	8.30E-05
7.75E+01	1.65E-03	5.46E-03	2.00E-04
7.75E+01	1.97E-03	5.53E-03	5.10E-04
7.75E+01	2.22E-03	5.50E-03	7.31E-04
7.75E+01	2.44E-03	5.46E-03	6.91E-04
7.75E+01	2.60E-03	5.29E-03	4.79E-04
7.75E+01	2.76E-03	5.23E-03	3.36E-04
7.75E+01	2.88E-03	5.15E-03	3.97E-04
7.75E+01	2.94E-03	4.90E-03	5.23E-04
7.75E+01	3.03E-03	4.68E-03	6.52E-04
7.75E+01	3.08E-03	4.29E-03	8.03E-04
7.75E+01	3.11E-03	3.86E-03	9.27E-04

7.75E+01	3.15E-03	3.49E-03	1.01E-03
7.75E+01	3.19E-03	3.10E-03	1.09E-03
7.75E+01	3.27E-03	2.96E-03	1.18E-03
7.75E+01	3.28E-03	2.86E-03	1.24E-03
7.76E+01	3.12E-03	2.73E-03	1.27E-03
7.76E+01	2.87E-03	2.67E-03	1.29E-03
7.76E+01	2.52E-03	2.61E-03	1.26E-03
7.76E+01	2.09E-03	2.52E-03	1.01E-03
7.76E+01	1.53E-03	2.35E-03	4.80E-04
7.76E+01	8.97E-04	2.22E-03	-3.29E-04
7.76E+01	3.45E-04	2.15E-03	-1.30E-03
7.76E+01	-1.63E-04	2.15E-03	-2.13E-03
7.76E+01	-6.76E-04	2.21E-03	-2.57E-03
7.76E+01	-1.11E-03	2.25E-03	-2.50E-03
7.76E+01	-1.49E-03	2.31E-03	-1.95E-03
7.76E+01	-1.91E-03	2.26E-03	-1.24E-03
7.76E+01	-2.30E-03	2.13E-03	-5.62E-04
7.76E+01	-2.65E-03	1.99E-03	8.58E-06
7.76E+01	-2.89E-03	1.82E-03	4.19E-04
7.76E+01	-3.01E-03	1.68E-03	7.10E-04
7.76E+01	-3.14E-03	1.58E-03	7.27E-04
7.76E+01	-3.18E-03	1.55E-03	5.24E-04
7.76E+01	-3.17E-03	1.59E-03	4.21E-04
7.76E+01	-3.22E-03	1.64E-03	4.56E-04
7.77E+01	-3.31E-03	1.62E-03	5.70E-04
7.77E+01	-3.46E-03	1.51E-03	7.88E-04
7.77E+01	-3.55E-03	1.37E-03	1.06E-03
7.77E+01	-3.60E-03	1.19E-03	1.33E-03
7.77E+01	-3.66E-03	9.41E-04	1.52E-03
7.77E+01	-3.67E-03	7.13E-04	1.64E-03
7.77E+01	-3.58E-03	5.41E-04	1.72E-03
7.77E+01	-3.48E-03	3.71E-04	1.62E-03
7.77E+01	-3.42E-03	1.64E-04	1.37E-03
7.77E+01	-3.35E-03	-7.71E-05	1.13E-03
7.77E+01	-3.19E-03	-3.23E-04	9.47E-04
7.77E+01	-2.99E-03	-6.57E-04	7.83E-04
7.77E+01	-2.81E-03	-1.10E-03	6.50E-04
7.77E+01	-2.65E-03	-1.58E-03	7.08E-04
7.77E+01	-2.53E-03	-2.00E-03	9.78E-04
7.77E+01	-2.47E-03	-2.33E-03	1.24E-03
7.77E+01	-2.49E-03	-2.66E-03	1.45E-03
7.77E+01	-2.59E-03	-2.92E-03	1.77E-03
7.77E+01	-2.76E-03	-3.13E-03	2.12E-03
7.77E+01	-3.01E-03	-3.40E-03	2.32E-03
7.78E+01	-3.36E-03	-3.74E-03	2.34E-03
7.78E+01	-3.76E-03	-4.10E-03	2.24E-03
7.78E+01	-4.13E-03	-4.42E-03	2.12E-03

7.78E+01	-4.50E-03	-4.69E-03	1.93E-03
7.78E+01	-4.87E-03	-4.95E-03	1.61E-03
7.78E+01	-5.24E-03	-5.12E-03	1.30E-03
7.78E+01	-5.64E-03	-5.25E-03	1.08E-03
7.78E+01	-6.05E-03	-5.42E-03	9.75E-04
7.78E+01	-6.52E-03	-5.59E-03	1.02E-03
7.78E+01	-6.95E-03	-5.76E-03	1.22E-03
7.78E+01	-7.33E-03	-5.89E-03	1.68E-03
7.78E+01	-7.67E-03	-5.96E-03	2.27E-03
7.78E+01	-7.93E-03	-6.01E-03	2.78E-03
7.78E+01	-8.18E-03	-5.93E-03	3.26E-03
7.78E+01	-8.40E-03	-5.70E-03	3.69E-03
7.78E+01	-8.50E-03	-5.33E-03	3.98E-03
7.78E+01	-8.54E-03	-4.86E-03	4.20E-03
7.78E+01	-8.48E-03	-4.35E-03	4.32E-03
7.78E+01	-8.29E-03	-3.81E-03	4.44E-03
7.78E+01	-8.01E-03	-3.30E-03	4.50E-03
7.79E+01	-7.68E-03	-2.91E-03	4.33E-03
7.79E+01	-7.33E-03	-2.57E-03	4.04E-03
7.79E+01	-6.96E-03	-2.26E-03	3.65E-03
7.79E+01	-6.58E-03	-2.05E-03	3.18E-03
7.79E+01	-6.26E-03	-1.89E-03	2.80E-03
7.79E+01	-6.04E-03	-1.79E-03	2.42E-03
7.79E+01	-5.92E-03	-1.76E-03	2.17E-03
7.79E+01	-5.90E-03	-1.71E-03	2.15E-03
7.79E+01	-5.98E-03	-1.73E-03	2.22E-03
7.79E+01	-6.16E-03	-1.82E-03	2.38E-03
7.79E+01	-6.44E-03	-1.90E-03	2.62E-03
7.79E+01	-6.74E-03	-1.98E-03	2.81E-03
7.79E+01	-7.11E-03	-2.08E-03	2.81E-03
7.79E+01	-7.56E-03	-2.26E-03	2.50E-03
7.79E+01	-7.99E-03	-2.45E-03	2.11E-03
7.79E+01	-8.37E-03	-2.60E-03	1.78E-03
7.79E+01	-8.74E-03	-2.79E-03	1.44E-03
7.79E+01	-9.06E-03	-2.95E-03	1.18E-03
7.79E+01	-9.30E-03	-3.06E-03	1.16E-03
7.79E+01	-9.40E-03	-3.12E-03	1.34E-03
7.80E+01	-9.40E-03	-3.15E-03	1.59E-03
7.80E+01	-9.40E-03	-3.24E-03	1.75E-03
7.80E+01	-9.34E-03	-3.29E-03	1.75E-03
7.80E+01	-9.24E-03	-3.24E-03	1.63E-03
7.80E+01	-9.16E-03	-3.08E-03	1.37E-03
7.80E+01	-9.09E-03	-2.79E-03	1.05E-03
7.80E+01	-9.01E-03	-2.36E-03	7.95E-04
7.80E+01	-8.92E-03	-1.83E-03	6.35E-04
7.80E+01	-8.91E-03	-1.32E-03	5.43E-04
7.80E+01	-9.00E-03	-8.88E-04	4.71E-04

7.80E+01	-9.12E-03	-5.22E-04	4.69E-04
7.80E+01	-9.26E-03	-1.82E-04	6.33E-04
7.80E+01	-9.44E-03	8.81E-05	8.89E-04
7.80E+01	-9.67E-03	2.97E-04	1.25E-03
7.80E+01	-9.94E-03	4.79E-04	1.73E-03
7.80E+01	-1.02E-02	6.15E-04	2.17E-03
7.80E+01	-1.04E-02	6.69E-04	2.40E-03
7.80E+01	-1.06E-02	5.85E-04	2.32E-03
7.80E+01	-1.07E-02	4.12E-04	1.99E-03
7.80E+01	-1.06E-02	1.99E-04	1.59E-03
7.81E+01	-1.05E-02	-9.57E-05	1.10E-03
7.81E+01	-1.03E-02	-4.41E-04	5.69E-04
7.81E+01	-1.00E-02	-7.37E-04	1.75E-04
7.81E+01	-9.75E-03	-9.60E-04	-4.39E-05
7.81E+01	-9.54E-03	-1.19E-03	-2.09E-04
7.81E+01	-9.43E-03	-1.48E-03	-4.19E-04
7.81E+01	-9.36E-03	-1.83E-03	-6.90E-04
7.81E+01	-9.26E-03	-2.25E-03	-9.85E-04
7.81E+01	-9.10E-03	-2.72E-03	-1.28E-03
7.81E+01	-8.92E-03	-3.20E-03	-1.49E-03
7.81E+01	-8.69E-03	-3.64E-03	-1.51E-03
7.81E+01	-8.35E-03	-4.00E-03	-1.36E-03
7.81E+01	-7.92E-03	-4.31E-03	-1.12E-03
7.81E+01	-7.49E-03	-4.58E-03	-8.44E-04
7.81E+01	-7.03E-03	-4.81E-03	-6.47E-04
7.81E+01	-6.51E-03	-4.96E-03	-5.02E-04
7.81E+01	-5.99E-03	-5.04E-03	-3.69E-04
7.81E+01	-5.53E-03	-5.12E-03	-1.75E-04
7.81E+01	-5.19E-03	-5.13E-03	2.44E-04
7.81E+01	-4.91E-03	-5.06E-03	8.54E-04
7.82E+01	-4.71E-03	-4.99E-03	1.55E-03
7.82E+01	-4.65E-03	-4.97E-03	2.21E-03
7.82E+01	-4.64E-03	-5.01E-03	2.65E-03
7.82E+01	-4.66E-03	-5.06E-03	2.80E-03
7.82E+01	-4.65E-03	-5.11E-03	2.69E-03
7.82E+01	-4.58E-03	-5.13E-03	2.49E-03
7.82E+01	-4.46E-03	-5.07E-03	2.43E-03
7.82E+01	-4.26E-03	-4.93E-03	2.44E-03
7.82E+01	-4.01E-03	-4.73E-03	2.38E-03
7.82E+01	-3.80E-03	-4.54E-03	2.14E-03
7.82E+01	-3.62E-03	-4.42E-03	1.68E-03
7.82E+01	-3.46E-03	-4.36E-03	1.16E-03
7.82E+01	-3.34E-03	-4.42E-03	6.26E-04
7.82E+01	-3.27E-03	-4.58E-03	1.49E-04
7.82E+01	-3.25E-03	-4.74E-03	-1.85E-04
7.82E+01	-3.31E-03	-4.96E-03	-4.85E-04
7.82E+01	-3.41E-03	-5.19E-03	-7.74E-04

7.82E+01	-3.56E-03	-5.42E-03	-9.68E-04
7.82E+01	-3.72E-03	-5.68E-03	-1.10E-03
7.82E+01	-3.81E-03	-5.90E-03	-1.17E-03
7.83E+01	-3.81E-03	-6.03E-03	-1.21E-03
7.83E+01	-3.69E-03	-6.08E-03	-1.26E-03
7.83E+01	-3.48E-03	-5.99E-03	-1.18E-03
7.83E+01	-3.15E-03	-5.83E-03	-9.45E-04
7.83E+01	-2.74E-03	-5.68E-03	-6.23E-04
7.83E+01	-2.39E-03	-5.62E-03	-3.01E-04
7.83E+01	-2.14E-03	-5.69E-03	-6.68E-06
7.83E+01	-2.01E-03	-5.86E-03	3.94E-04
7.83E+01	-2.01E-03	-6.10E-03	8.58E-04
7.83E+01	-2.12E-03	-6.41E-03	1.26E-03
7.83E+01	-2.34E-03	-6.66E-03	1.64E-03
7.83E+01	-2.55E-03	-6.78E-03	1.99E-03
7.83E+01	-2.69E-03	-6.77E-03	2.35E-03
7.83E+01	-2.84E-03	-6.66E-03	2.60E-03
7.83E+01	-2.95E-03	-6.56E-03	2.42E-03
7.83E+01	-2.99E-03	-6.49E-03	1.86E-03
7.83E+01	-2.95E-03	-6.47E-03	1.14E-03
7.83E+01	-2.85E-03	-6.56E-03	4.25E-04
7.83E+01	-2.71E-03	-6.72E-03	-1.61E-04
7.83E+01	-2.56E-03	-6.93E-03	-6.93E-04
7.84E+01	-2.37E-03	-7.13E-03	-1.15E-03
7.84E+01	-2.16E-03	-7.27E-03	-1.44E-03
7.84E+01	-1.93E-03	-7.37E-03	-1.51E-03
7.84E+01	-1.68E-03	-7.35E-03	-1.41E-03
7.84E+01	-1.40E-03	-7.23E-03	-1.39E-03
7.84E+01	-1.17E-03	-7.07E-03	-1.54E-03
7.84E+01	-1.03E-03	-6.86E-03	-1.71E-03
7.84E+01	-9.47E-04	-6.59E-03	-1.76E-03
7.84E+01	-8.87E-04	-6.25E-03	-1.73E-03
7.84E+01	-8.70E-04	-5.93E-03	-1.68E-03
7.84E+01	-8.58E-04	-5.69E-03	-1.54E-03
7.84E+01	-8.22E-04	-5.54E-03	-1.33E-03
7.84E+01	-7.72E-04	-5.48E-03	-1.02E-03
7.84E+01	-7.21E-04	-5.42E-03	-6.07E-04
7.84E+01	-7.00E-04	-5.35E-03	-1.38E-04
7.84E+01	-7.42E-04	-5.25E-03	3.55E-04
7.84E+01	-8.21E-04	-5.08E-03	7.94E-04
7.84E+01	-9.62E-04	-4.90E-03	1.09E-03
7.84E+01	-1.21E-03	-4.68E-03	1.11E-03
7.84E+01	-1.46E-03	-4.40E-03	9.16E-04
7.85E+01	-1.65E-03	-4.07E-03	6.60E-04
7.85E+01	-1.77E-03	-3.77E-03	2.20E-04
7.85E+01	-1.84E-03	-3.52E-03	-3.07E-04
7.85E+01	-1.83E-03	-3.26E-03	-7.28E-04

7.85E+01	-1.70E-03	-3.02E-03	-9.99E-04
7.85E+01	-1.50E-03	-2.78E-03	-1.10E-03
7.85E+01	-1.32E-03	-2.61E-03	-1.17E-03
7.85E+01	-1.07E-03	-2.53E-03	-1.22E-03
7.85E+01	-7.67E-04	-2.41E-03	-1.27E-03
7.85E+01	-4.27E-04	-2.33E-03	-1.50E-03
7.85E+01	-8.18E-05	-2.27E-03	-1.82E-03
7.85E+01	2.62E-04	-2.18E-03	-2.04E-03
7.85E+01	6.16E-04	-2.08E-03	-2.10E-03
7.85E+01	9.02E-04	-1.99E-03	-2.02E-03
7.85E+01	1.07E-03	-1.98E-03	-1.95E-03
7.85E+01	1.15E-03	-2.05E-03	-1.90E-03
7.85E+01	1.12E-03	-2.18E-03	-1.77E-03
7.85E+01	9.92E-04	-2.42E-03	-1.65E-03
7.85E+01	7.96E-04	-2.73E-03	-1.56E-03
7.85E+01	5.29E-04	-2.99E-03	-1.45E-03
7.86E+01	2.79E-04	-3.18E-03	-1.37E-03
7.86E+01	7.57E-05	-3.25E-03	-1.28E-03
7.86E+01	-1.17E-04	-3.26E-03	-1.23E-03
7.86E+01	-2.43E-04	-3.33E-03	-1.21E-03
7.86E+01	-3.27E-04	-3.37E-03	-1.10E-03
7.86E+01	-4.04E-04	-3.43E-03	-1.01E-03
7.86E+01	-5.03E-04	-3.54E-03	-1.01E-03
7.86E+01	-6.44E-04	-3.63E-03	-1.10E-03
7.86E+01	-7.25E-04	-3.67E-03	-1.29E-03
7.86E+01	-7.70E-04	-3.62E-03	-1.34E-03
7.86E+01	-8.07E-04	-3.46E-03	-1.17E-03
7.86E+01	-7.79E-04	-3.23E-03	-9.00E-04
7.86E+01	-7.24E-04	-2.92E-03	-5.23E-04
7.86E+01	-6.00E-04	-2.54E-03	-1.19E-04
7.86E+01	-4.06E-04	-2.17E-03	2.72E-04
7.86E+01	-2.22E-04	-1.87E-03	7.49E-04
7.86E+01	-1.28E-05	-1.62E-03	1.25E-03
7.86E+01	1.94E-04	-1.45E-03	1.68E-03
7.86E+01	2.94E-04	-1.38E-03	1.93E-03
7.86E+01	2.91E-04	-1.41E-03	2.00E-03
7.87E+01	2.67E-04	-1.49E-03	2.06E-03
7.87E+01	2.26E-04	-1.64E-03	2.14E-03
7.87E+01	1.39E-04	-1.82E-03	2.02E-03
7.87E+01	2.54E-05	-1.97E-03	1.70E-03
7.87E+01	-6.10E-05	-2.07E-03	1.31E-03
7.87E+01	-7.59E-05	-2.08E-03	8.51E-04
7.87E+01	-1.39E-04	-2.01E-03	2.92E-04
7.87E+01	-2.39E-04	-1.95E-03	-3.49E-04
7.87E+01	-2.46E-04	-1.82E-03	-8.21E-04
7.87E+01	-2.31E-04	-1.67E-03	-9.78E-04
7.87E+01	-1.98E-04	-1.58E-03	-9.96E-04

7.87E+01	-1.46E-04	-1.49E-03	-1.01E-03
7.87E+01	-4.50E-05	-1.43E-03	-1.06E-03
7.87E+01	1.79E-04	-1.37E-03	-1.13E-03
7.87E+01	4.47E-04	-1.32E-03	-1.24E-03
7.87E+01	7.74E-04	-1.35E-03	-1.40E-03
7.87E+01	1.17E-03	-1.35E-03	-1.49E-03
7.87E+01	1.52E-03	-1.38E-03	-1.51E-03
7.87E+01	1.74E-03	-1.56E-03	-1.59E-03
7.87E+01	1.78E-03	-1.86E-03	-1.66E-03
7.88E+01	1.68E-03	-2.23E-03	-1.67E-03
7.88E+01	1.47E-03	-2.61E-03	-1.57E-03
7.88E+01	1.08E-03	-2.98E-03	-1.35E-03
7.88E+01	5.76E-04	-3.32E-03	-1.13E-03
7.88E+01	6.03E-05	-3.50E-03	-8.71E-04
7.88E+01	-3.87E-04	-3.50E-03	-5.55E-04
7.88E+01	-7.50E-04	-3.41E-03	-2.70E-04
7.88E+01	-1.05E-03	-3.24E-03	-5.36E-05
7.88E+01	-1.21E-03	-2.95E-03	5.32E-05
7.88E+01	-1.19E-03	-2.57E-03	-2.71E-05
7.88E+01	-1.04E-03	-2.16E-03	-3.26E-04
7.88E+01	-7.37E-04	-1.80E-03	-7.24E-04
7.88E+01	-2.92E-04	-1.50E-03	-1.02E-03
7.88E+01	1.81E-04	-1.22E-03	-1.18E-03
7.88E+01	6.38E-04	-9.34E-04	-1.40E-03
7.88E+01	9.90E-04	-6.04E-04	-1.70E-03
7.88E+01	1.25E-03	-2.07E-04	-1.93E-03
7.88E+01	1.49E-03	2.22E-04	-2.03E-03
7.88E+01	1.66E-03	6.35E-04	-1.96E-03
7.88E+01	1.75E-03	9.64E-04	-1.80E-03
7.89E+01	1.76E-03	1.22E-03	-1.52E-03
7.89E+01	1.68E-03	1.41E-03	-1.15E-03
7.89E+01	1.54E-03	1.44E-03	-8.58E-04
7.89E+01	1.35E-03	1.39E-03	-5.90E-04
7.89E+01	1.12E-03	1.29E-03	-3.72E-04
7.89E+01	9.08E-04	1.13E-03	-3.37E-04
7.89E+01	6.43E-04	9.13E-04	-4.27E-04
7.89E+01	2.59E-04	6.30E-04	-5.36E-04
7.89E+01	-1.77E-04	3.19E-04	-6.17E-04
7.89E+01	-6.32E-04	-7.25E-05	-6.94E-04
7.89E+01	-1.08E-03	-5.43E-04	-7.23E-04
7.89E+01	-1.48E-03	-9.79E-04	-5.17E-04
7.89E+01	-1.81E-03	-1.36E-03	-1.26E-04
7.89E+01	-1.94E-03	-1.72E-03	1.32E-04
7.89E+01	-1.89E-03	-2.01E-03	1.80E-04
7.89E+01	-1.72E-03	-2.23E-03	5.53E-06
7.89E+01	-1.38E-03	-2.36E-03	-3.47E-04
7.89E+01	-9.00E-04	-2.42E-03	-6.99E-04

7.89E+01	-3.48E-04	-2.47E-03	-1.03E-03
7.89E+01	1.72E-04	-2.58E-03	-1.24E-03
7.90E+01	6.08E-04	-2.68E-03	-1.21E-03
7.90E+01	1.01E-03	-2.81E-03	-1.05E-03
7.90E+01	1.32E-03	-2.95E-03	-7.91E-04
7.90E+01	1.48E-03	-3.08E-03	-5.83E-04
7.90E+01	1.55E-03	-3.14E-03	-4.76E-04
7.90E+01	1.55E-03	-3.08E-03	-4.10E-04
7.90E+01	1.54E-03	-2.94E-03	-4.29E-04
7.90E+01	1.56E-03	-2.76E-03	-4.15E-04
7.90E+01	1.65E-03	-2.62E-03	-2.85E-04
7.90E+01	1.85E-03	-2.58E-03	-3.51E-05
7.90E+01	2.14E-03	-2.64E-03	4.24E-04
7.90E+01	2.46E-03	-2.85E-03	9.82E-04
7.90E+01	2.81E-03	-3.15E-03	1.52E-03
7.90E+01	3.11E-03	-3.48E-03	1.98E-03
7.90E+01	3.35E-03	-3.83E-03	2.20E-03
7.90E+01	3.45E-03	-4.15E-03	2.24E-03
7.90E+01	3.31E-03	-4.40E-03	2.21E-03
7.90E+01	3.03E-03	-4.59E-03	2.16E-03
7.90E+01	2.68E-03	-4.71E-03	2.15E-03
7.90E+01	2.21E-03	-4.81E-03	2.17E-03
7.91E+01	1.69E-03	-4.96E-03	2.13E-03
7.91E+01	1.22E-03	-5.08E-03	2.06E-03
7.91E+01	8.17E-04	-5.19E-03	1.93E-03
7.91E+01	4.55E-04	-5.26E-03	1.74E-03
7.91E+01	1.09E-04	-5.24E-03	1.44E-03
7.91E+01	-1.70E-04	-5.16E-03	9.74E-04
7.91E+01	-3.59E-04	-5.00E-03	4.26E-04
7.91E+01	-5.00E-04	-4.79E-03	-1.26E-04
7.91E+01	-5.73E-04	-4.64E-03	-6.10E-04
7.91E+01	-5.53E-04	-4.49E-03	-8.56E-04
7.91E+01	-4.95E-04	-4.39E-03	-1.01E-03
7.91E+01	-4.28E-04	-4.34E-03	-1.20E-03
7.91E+01	-3.76E-04	-4.25E-03	-1.25E-03
7.91E+01	-2.84E-04	-4.06E-03	-1.07E-03
7.91E+01	-9.17E-05	-3.75E-03	-5.92E-04
7.91E+01	1.10E-04	-3.38E-03	7.04E-05
7.91E+01	3.17E-04	-3.01E-03	7.32E-04
7.91E+01	5.92E-04	-2.60E-03	1.33E-03
7.91E+01	9.28E-04	-2.20E-03	1.77E-03
7.91E+01	1.36E-03	-1.81E-03	2.09E-03
7.92E+01	1.88E-03	-1.42E-03	2.32E-03
7.92E+01	2.49E-03	-1.11E-03	2.32E-03
7.92E+01	3.20E-03	-8.87E-04	2.14E-03
7.92E+01	3.95E-03	-7.63E-04	1.96E-03
7.92E+01	4.72E-03	-7.84E-04	1.88E-03

7.92E+01	5.54E-03	-9.32E-04	1.99E-03
7.92E+01	6.34E-03	-1.23E-03	2.09E-03
7.92E+01	7.07E-03	-1.72E-03	1.94E-03
7.92E+01	7.68E-03	-2.28E-03	1.76E-03
7.92E+01	8.21E-03	-2.80E-03	1.71E-03
7.92E+01	8.74E-03	-3.27E-03	1.75E-03
7.92E+01	9.13E-03	-3.74E-03	1.84E-03
7.92E+01	9.38E-03	-4.19E-03	1.93E-03
7.92E+01	9.54E-03	-4.59E-03	2.19E-03
7.92E+01	9.54E-03	-5.04E-03	2.53E-03
7.92E+01	9.40E-03	-5.51E-03	2.82E-03
7.92E+01	9.09E-03	-5.89E-03	2.96E-03
7.92E+01	8.63E-03	-6.23E-03	2.86E-03
7.92E+01	8.15E-03	-6.45E-03	2.79E-03
7.92E+01	7.64E-03	-6.53E-03	2.71E-03
7.93E+01	7.17E-03	-6.49E-03	2.63E-03
7.93E+01	6.77E-03	-6.31E-03	2.67E-03
7.93E+01	6.48E-03	-6.14E-03	2.64E-03
7.93E+01	6.26E-03	-6.09E-03	2.41E-03
7.93E+01	6.03E-03	-6.16E-03	2.09E-03
7.93E+01	5.87E-03	-6.30E-03	1.74E-03
7.93E+01	5.80E-03	-6.35E-03	1.47E-03
7.93E+01	5.75E-03	-6.32E-03	1.27E-03
7.93E+01	5.73E-03	-6.24E-03	1.19E-03
7.93E+01	5.75E-03	-6.02E-03	1.42E-03
7.93E+01	5.79E-03	-5.73E-03	1.82E-03
7.93E+01	5.80E-03	-5.43E-03	2.14E-03
7.93E+01	5.73E-03	-5.09E-03	2.35E-03
7.93E+01	5.61E-03	-4.77E-03	2.46E-03
7.93E+01	5.54E-03	-4.37E-03	2.52E-03
7.93E+01	5.41E-03	-4.01E-03	2.56E-03
7.93E+01	5.28E-03	-3.73E-03	2.70E-03
7.93E+01	5.15E-03	-3.42E-03	2.92E-03
7.93E+01	4.98E-03	-3.22E-03	3.04E-03
7.93E+01	4.80E-03	-3.16E-03	3.14E-03
7.94E+01	4.63E-03	-3.18E-03	3.19E-03
7.94E+01	4.53E-03	-3.27E-03	3.14E-03
7.94E+01	4.52E-03	-3.29E-03	3.21E-03
7.94E+01	4.57E-03	-3.28E-03	3.36E-03
7.94E+01	4.63E-03	-3.36E-03	3.36E-03
7.94E+01	4.75E-03	-3.36E-03	3.17E-03
7.94E+01	4.91E-03	-3.25E-03	2.83E-03
7.94E+01	5.00E-03	-3.25E-03	2.50E-03
7.94E+01	5.07E-03	-3.21E-03	2.28E-03
7.94E+01	5.09E-03	-3.15E-03	2.26E-03
7.94E+01	5.06E-03	-3.10E-03	2.37E-03
7.94E+01	4.98E-03	-2.97E-03	2.59E-03

7.94E+01	4.77E-03	-2.86E-03	2.87E-03
7.94E+01	4.53E-03	-2.71E-03	3.16E-03
7.94E+01	4.32E-03	-2.51E-03	3.49E-03
7.94E+01	4.08E-03	-2.31E-03	3.72E-03
7.94E+01	3.82E-03	-2.11E-03	3.79E-03
7.94E+01	3.49E-03	-1.93E-03	3.77E-03
7.94E+01	3.19E-03	-1.78E-03	3.54E-03
7.94E+01	2.96E-03	-1.73E-03	3.16E-03
7.95E+01	2.70E-03	-1.82E-03	2.81E-03
7.95E+01	2.44E-03	-2.02E-03	2.52E-03
7.95E+01	2.24E-03	-2.28E-03	2.23E-03
7.95E+01	2.06E-03	-2.58E-03	1.98E-03
7.95E+01	1.89E-03	-2.92E-03	1.82E-03
7.95E+01	1.69E-03	-3.22E-03	1.77E-03
7.95E+01	1.51E-03	-3.44E-03	1.76E-03
7.95E+01	1.36E-03	-3.54E-03	1.82E-03
7.95E+01	1.17E-03	-3.55E-03	1.88E-03
7.95E+01	9.73E-04	-3.59E-03	1.80E-03
7.95E+01	8.26E-04	-3.61E-03	1.58E-03
7.95E+01	7.47E-04	-3.65E-03	1.37E-03
7.95E+01	7.18E-04	-3.81E-03	1.23E-03
7.95E+01	7.60E-04	-4.01E-03	1.20E-03
7.95E+01	9.29E-04	-4.26E-03	1.36E-03
7.95E+01	1.17E-03	-4.49E-03	1.57E-03
7.95E+01	1.34E-03	-4.74E-03	1.55E-03
7.95E+01	1.52E-03	-4.90E-03	1.34E-03
7.95E+01	1.79E-03	-4.90E-03	1.23E-03
7.95E+01	2.04E-03	-4.84E-03	1.10E-03
7.96E+01	2.28E-03	-4.67E-03	8.56E-04
7.96E+01	2.43E-03	-4.47E-03	6.41E-04
7.96E+01	2.52E-03	-4.25E-03	4.94E-04
7.96E+01	2.59E-03	-3.89E-03	4.03E-04
7.96E+01	2.62E-03	-3.50E-03	3.84E-04
7.96E+01	2.64E-03	-3.13E-03	3.70E-04
7.96E+01	2.75E-03	-2.73E-03	3.46E-04
7.96E+01	3.01E-03	-2.31E-03	2.96E-04
7.96E+01	3.31E-03	-1.94E-03	7.59E-05
7.96E+01	3.71E-03	-1.61E-03	-2.01E-04
7.96E+01	4.28E-03	-1.27E-03	-3.25E-04
7.96E+01	4.91E-03	-9.81E-04	-2.53E-04
7.96E+01	5.55E-03	-7.43E-04	-3.03E-05
7.96E+01	6.16E-03	-5.97E-04	2.07E-04
7.96E+01	6.67E-03	-4.79E-04	4.25E-04
7.96E+01	7.07E-03	-4.01E-04	5.30E-04
7.96E+01	7.29E-03	-3.65E-04	4.43E-04
7.96E+01	7.34E-03	-3.14E-04	4.33E-04
7.96E+01	7.23E-03	-2.14E-04	6.19E-04

7.96E+01	7.07E-03	-4.44E-05	8.51E-04
7.97E+01	6.82E-03	1.18E-04	1.13E-03
7.97E+01	6.41E-03	2.32E-04	1.40E-03
7.97E+01	5.92E-03	2.87E-04	1.59E-03
7.97E+01	5.37E-03	3.16E-04	1.73E-03
7.97E+01	4.75E-03	3.15E-04	1.66E-03
7.97E+01	4.08E-03	2.98E-04	1.47E-03
7.97E+01	3.40E-03	3.60E-04	1.33E-03
7.97E+01	2.81E-03	5.41E-04	1.23E-03
7.97E+01	2.33E-03	8.28E-04	1.22E-03
7.97E+01	1.91E-03	1.14E-03	1.20E-03
7.97E+01	1.55E-03	1.46E-03	1.15E-03
7.97E+01	1.27E-03	1.79E-03	1.05E-03
7.97E+01	1.07E-03	2.10E-03	9.21E-04
7.97E+01	8.98E-04	2.44E-03	9.00E-04
7.97E+01	7.23E-04	2.80E-03	8.61E-04
7.97E+01	6.51E-04	3.17E-03	7.93E-04
7.97E+01	6.22E-04	3.57E-03	8.60E-04
7.97E+01	5.69E-04	3.93E-03	9.74E-04
7.97E+01	6.01E-04	4.31E-03	1.17E-03
7.97E+01	7.10E-04	4.70E-03	1.36E-03
7.98E+01	8.72E-04	5.00E-03	1.23E-03
7.98E+01	1.05E-03	5.23E-03	8.91E-04
7.98E+01	1.22E-03	5.37E-03	5.14E-04
7.98E+01	1.45E-03	5.41E-03	1.88E-04
7.98E+01	1.68E-03	5.34E-03	-2.19E-05
7.98E+01	1.79E-03	5.10E-03	-2.13E-04
7.98E+01	1.81E-03	4.71E-03	-3.91E-04
7.98E+01	1.74E-03	4.29E-03	-4.80E-04
7.98E+01	1.59E-03	3.88E-03	-5.40E-04
7.98E+01	1.39E-03	3.56E-03	-5.71E-04
7.98E+01	1.20E-03	3.41E-03	-5.41E-04
7.98E+01	1.10E-03	3.46E-03	-4.36E-04
7.98E+01	1.12E-03	3.68E-03	-1.83E-04
7.98E+01	1.22E-03	3.98E-03	1.06E-04
7.98E+01	1.43E-03	4.29E-03	3.34E-04
7.98E+01	1.71E-03	4.60E-03	5.48E-04
7.98E+01	2.00E-03	4.87E-03	6.62E-04
7.98E+01	2.31E-03	5.06E-03	6.09E-04
7.98E+01	2.58E-03	5.22E-03	4.54E-04
7.98E+01	2.86E-03	5.47E-03	2.98E-04
7.99E+01	3.14E-03	5.79E-03	1.81E-04
7.99E+01	3.28E-03	6.03E-03	2.48E-06
7.99E+01	3.33E-03	6.18E-03	-2.56E-04
7.99E+01	3.34E-03	6.31E-03	-4.87E-04
7.99E+01	3.29E-03	6.40E-03	-7.14E-04
7.99E+01	3.22E-03	6.44E-03	-1.02E-03

7.99E+01	3.12E-03	6.48E-03	-1.42E-03
7.99E+01	3.07E-03	6.52E-03	-1.92E-03
7.99E+01	3.09E-03	6.57E-03	-2.38E-03
7.99E+01	3.14E-03	6.65E-03	-2.68E-03
7.99E+01	3.19E-03	6.69E-03	-2.74E-03
7.99E+01	3.23E-03	6.76E-03	-2.55E-03
7.99E+01	3.20E-03	6.84E-03	-2.27E-03
7.99E+01	3.12E-03	6.88E-03	-2.02E-03
7.99E+01	3.01E-03	6.94E-03	-1.80E-03
7.99E+01	2.91E-03	7.04E-03	-1.65E-03
7.99E+01	2.86E-03	7.18E-03	-1.49E-03
7.99E+01	2.83E-03	7.37E-03	-1.23E-03
7.99E+01	2.79E-03	7.53E-03	-9.28E-04
7.99E+01	2.78E-03	7.69E-03	-6.02E-04
8.00E+01	2.77E-03	7.78E-03	-3.42E-04
8.00E+01	2.70E-03	7.75E-03	-2.53E-04
8.00E+01	2.55E-03	7.66E-03	-2.24E-04
8.00E+01	2.33E-03	7.49E-03	-2.35E-04
8.00E+01	2.12E-03	7.32E-03	-3.02E-04
8.00E+01	1.89E-03	7.16E-03	-3.97E-04
8.00E+01	1.62E-03	7.00E-03	-6.22E-04
8.00E+01	1.36E-03	6.90E-03	-9.21E-04
8.00E+01	1.10E-03	6.81E-03	-1.17E-03
8.00E+01	8.31E-04	6.70E-03	-1.36E-03
8.00E+01	5.32E-04	6.61E-03	-1.51E-03
8.00E+01	2.07E-04	6.51E-03	-1.67E-03
8.00E+01	-5.95E-05	6.43E-03	-1.83E-03
8.00E+01	-3.17E-04	6.40E-03	-1.92E-03
8.00E+01	-5.77E-04	6.34E-03	-2.01E-03
8.00E+01	-7.64E-04	6.25E-03	-2.05E-03
8.00E+01	-8.88E-04	6.18E-03	-2.00E-03
8.00E+01	-9.61E-04	6.09E-03	-1.96E-03
8.00E+01	-1.01E-03	6.00E-03	-1.97E-03
8.00E+01	-1.01E-03	5.94E-03	-2.00E-03
8.01E+01	-8.59E-04	5.97E-03	-2.03E-03
8.01E+01	-6.60E-04	6.04E-03	-2.07E-03
8.01E+01	-4.95E-04	6.12E-03	-2.16E-03
8.01E+01	-3.53E-04	6.19E-03	-2.20E-03
8.01E+01	-2.41E-04	6.32E-03	-2.09E-03
8.01E+01	-1.83E-04	6.44E-03	-1.92E-03
8.01E+01	-2.16E-04	6.53E-03	-1.72E-03
8.01E+01	-3.45E-04	6.61E-03	-1.48E-03
8.01E+01	-5.00E-04	6.65E-03	-1.32E-03
8.01E+01	-6.74E-04	6.68E-03	-1.26E-03
8.01E+01	-8.86E-04	6.69E-03	-1.37E-03
8.01E+01	-1.08E-03	6.67E-03	-1.70E-03
8.01E+01	-1.23E-03	6.72E-03	-2.04E-03

8.01E+01	-1.32E-03	6.83E-03	-2.29E-03
8.01E+01	-1.38E-03	6.92E-03	-2.50E-03
8.01E+01	-1.48E-03	7.01E-03	-2.65E-03
8.01E+01	-1.57E-03	7.07E-03	-2.80E-03
8.01E+01	-1.70E-03	7.11E-03	-2.96E-03
8.01E+01	-1.94E-03	7.10E-03	-3.16E-03
8.01E+01	-2.26E-03	7.04E-03	-3.48E-03
8.02E+01	-2.60E-03	7.00E-03	-3.85E-03
8.02E+01	-2.95E-03	6.94E-03	-4.26E-03
8.02E+01	-3.25E-03	6.78E-03	-4.78E-03
8.02E+01	-3.56E-03	6.56E-03	-5.34E-03
8.02E+01	-3.80E-03	6.30E-03	-5.94E-03
8.02E+01	-3.92E-03	6.05E-03	-6.51E-03
8.02E+01	-3.97E-03	5.85E-03	-6.89E-03
8.02E+01	-3.95E-03	5.70E-03	-7.14E-03
8.02E+01	-3.81E-03	5.65E-03	-7.20E-03
8.02E+01	-3.56E-03	5.74E-03	-7.08E-03
8.02E+01	-3.24E-03	5.90E-03	-6.93E-03
8.02E+01	-2.84E-03	6.12E-03	-6.71E-03
8.02E+01	-2.38E-03	6.37E-03	-6.48E-03
8.02E+01	-1.83E-03	6.61E-03	-6.31E-03
8.02E+01	-1.26E-03	6.81E-03	-6.14E-03
8.02E+01	-7.11E-04	6.91E-03	-6.06E-03
8.02E+01	-1.50E-04	6.95E-03	-5.96E-03
8.02E+01	3.72E-04	6.94E-03	-5.65E-03
8.02E+01	7.84E-04	6.86E-03	-5.16E-03
8.02E+01	1.03E-03	6.78E-03	-4.60E-03
8.03E+01	1.13E-03	6.73E-03	-4.10E-03
8.03E+01	1.16E-03	6.75E-03	-3.77E-03
8.03E+01	1.12E-03	6.85E-03	-3.60E-03
8.03E+01	1.04E-03	6.96E-03	-3.58E-03
8.03E+01	1.08E-03	7.11E-03	-3.64E-03
8.03E+01	1.26E-03	7.26E-03	-3.67E-03
8.03E+01	1.54E-03	7.32E-03	-3.66E-03
8.03E+01	1.91E-03	7.26E-03	-3.60E-03
8.03E+01	2.33E-03	7.08E-03	-3.62E-03
8.03E+01	2.81E-03	6.81E-03	-3.80E-03
8.03E+01	3.21E-03	6.50E-03	-4.10E-03
8.03E+01	3.46E-03	6.19E-03	-4.48E-03
8.03E+01	3.62E-03	5.98E-03	-4.87E-03
8.03E+01	3.64E-03	5.92E-03	-5.15E-03
8.03E+01	3.55E-03	5.95E-03	-5.25E-03
8.03E+01	3.32E-03	6.03E-03	-5.08E-03
8.03E+01	2.97E-03	6.08E-03	-4.72E-03
8.03E+01	2.61E-03	6.08E-03	-4.33E-03
8.03E+01	2.21E-03	5.97E-03	-3.99E-03
8.03E+01	1.83E-03	5.77E-03	-3.75E-03

8.04E+01	1.57E-03	5.57E-03	-3.51E-03
8.04E+01	1.39E-03	5.38E-03	-3.24E-03
8.04E+01	1.28E-03	5.23E-03	-3.12E-03
8.04E+01	1.20E-03	5.16E-03	-3.07E-03
8.04E+01	1.09E-03	5.15E-03	-2.93E-03
8.04E+01	1.01E-03	5.15E-03	-2.82E-03
8.04E+01	9.39E-04	5.09E-03	-2.73E-03
8.04E+01	8.20E-04	5.01E-03	-2.62E-03
8.04E+01	6.48E-04	4.86E-03	-2.70E-03
8.04E+01	4.28E-04	4.69E-03	-3.08E-03
8.04E+01	1.88E-04	4.58E-03	-3.62E-03
8.04E+01	-8.45E-05	4.49E-03	-4.07E-03
8.04E+01	-4.02E-04	4.50E-03	-4.37E-03
8.04E+01	-6.78E-04	4.61E-03	-4.56E-03
8.04E+01	-9.26E-04	4.79E-03	-4.60E-03
8.04E+01	-1.20E-03	4.96E-03	-4.56E-03
8.04E+01	-1.43E-03	5.11E-03	-4.48E-03
8.04E+01	-1.56E-03	5.30E-03	-4.23E-03
8.04E+01	-1.60E-03	5.45E-03	-3.88E-03
8.04E+01	-1.55E-03	5.55E-03	-3.54E-03
8.05E+01	-1.47E-03	5.61E-03	-3.11E-03
8.05E+01	-1.36E-03	5.62E-03	-2.61E-03
8.05E+01	-1.16E-03	5.61E-03	-2.18E-03
8.05E+01	-9.71E-04	5.55E-03	-1.87E-03
8.05E+01	-8.79E-04	5.35E-03	-1.77E-03
8.05E+01	-7.95E-04	5.11E-03	-1.81E-03
8.05E+01	-7.21E-04	4.86E-03	-1.96E-03
8.05E+01	-7.60E-04	4.52E-03	-2.18E-03
8.05E+01	-9.09E-04	4.24E-03	-2.37E-03
8.05E+01	-1.09E-03	3.98E-03	-2.58E-03
8.05E+01	-1.22E-03	3.77E-03	-2.80E-03
8.05E+01	-1.37E-03	3.60E-03	-2.95E-03
8.05E+01	-1.53E-03	3.48E-03	-3.08E-03
8.05E+01	-1.59E-03	3.45E-03	-3.16E-03
8.05E+01	-1.56E-03	3.46E-03	-3.15E-03
8.05E+01	-1.48E-03	3.52E-03	-3.11E-03
8.05E+01	-1.42E-03	3.56E-03	-3.02E-03
8.05E+01	-1.33E-03	3.59E-03	-2.92E-03
8.05E+01	-1.18E-03	3.67E-03	-2.82E-03
8.05E+01	-1.04E-03	3.64E-03	-2.55E-03
8.06E+01	-9.48E-04	3.61E-03	-2.20E-03
8.06E+01	-7.78E-04	3.56E-03	-1.89E-03
8.06E+01	-6.13E-04	3.39E-03	-1.56E-03
8.06E+01	-5.01E-04	3.15E-03	-1.35E-03
8.06E+01	-3.71E-04	2.79E-03	-1.25E-03
8.06E+01	-2.74E-04	2.45E-03	-1.05E-03
8.06E+01	-1.34E-04	2.18E-03	-7.88E-04

8.06E+01	-4.41E-05	1.88E-03	-7.26E-04
8.06E+01	-3.55E-05	1.65E-03	-8.95E-04
8.06E+01	-3.13E-05	1.49E-03	-1.19E-03
8.06E+01	-7.17E-05	1.33E-03	-1.59E-03
8.06E+01	-1.54E-04	1.13E-03	-2.10E-03
8.06E+01	-3.32E-04	1.00E-03	-2.50E-03
8.06E+01	-5.26E-04	9.20E-04	-2.68E-03
8.06E+01	-7.16E-04	7.79E-04	-2.74E-03
8.06E+01	-9.27E-04	7.52E-04	-2.64E-03
8.06E+01	-1.14E-03	8.23E-04	-2.48E-03
8.06E+01	-1.37E-03	8.49E-04	-2.34E-03
8.06E+01	-1.55E-03	9.85E-04	-2.17E-03
8.06E+01	-1.73E-03	1.18E-03	-2.03E-03
8.07E+01	-1.84E-03	1.39E-03	-1.86E-03
8.07E+01	-1.86E-03	1.76E-03	-1.60E-03
8.07E+01	-1.87E-03	2.18E-03	-1.27E-03
8.07E+01	-1.82E-03	2.60E-03	-9.90E-04
8.07E+01	-1.75E-03	2.94E-03	-7.67E-04
8.07E+01	-1.64E-03	3.11E-03	-3.14E-04
8.07E+01	-1.53E-03	3.19E-03	3.31E-04
8.07E+01	-1.49E-03	3.05E-03	8.12E-04
8.07E+01	-1.44E-03	2.79E-03	1.12E-03
8.07E+01	-1.45E-03	2.49E-03	1.36E-03
8.07E+01	-1.50E-03	2.13E-03	1.40E-03
8.07E+01	-1.53E-03	1.75E-03	1.24E-03
8.07E+01	-1.68E-03	1.37E-03	1.01E-03
8.07E+01	-1.88E-03	1.13E-03	7.11E-04
8.07E+01	-2.15E-03	9.90E-04	4.35E-04
8.07E+01	-2.48E-03	8.28E-04	1.26E-04
8.07E+01	-2.78E-03	7.60E-04	-1.76E-04
8.07E+01	-3.18E-03	7.00E-04	-3.83E-04
8.07E+01	-3.63E-03	6.44E-04	-6.31E-04
8.07E+01	-3.98E-03	7.38E-04	-7.49E-04
8.08E+01	-4.38E-03	8.46E-04	-6.90E-04
8.08E+01	-4.72E-03	1.01E-03	-6.14E-04
8.08E+01	-4.94E-03	1.32E-03	-3.41E-04
8.08E+01	-5.17E-03	1.61E-03	2.65E-05
8.08E+01	-5.34E-03	1.85E-03	1.98E-04
8.08E+01	-5.47E-03	2.11E-03	2.72E-04
8.08E+01	-5.60E-03	2.41E-03	3.28E-04
8.08E+01	-5.60E-03	2.82E-03	3.13E-04
8.08E+01	-5.54E-03	3.34E-03	2.05E-04
8.08E+01	-5.46E-03	3.84E-03	2.21E-05
8.08E+01	-5.29E-03	4.38E-03	-3.85E-05
8.08E+01	-5.14E-03	4.87E-03	2.31E-05
8.08E+01	-5.04E-03	5.25E-03	5.99E-05
8.08E+01	-4.99E-03	5.59E-03	2.19E-04

8.08E+01	-4.97E-03	5.84E-03	4.84E-04
8.08E+01	-4.94E-03	6.01E-03	6.91E-04
8.08E+01	-4.93E-03	6.11E-03	8.26E-04
8.08E+01	-4.94E-03	6.15E-03	9.17E-04
8.08E+01	-4.91E-03	6.11E-03	1.02E-03
8.08E+01	-4.83E-03	5.98E-03	1.06E-03
8.09E+01	-4.69E-03	5.75E-03	1.03E-03
8.09E+01	-4.59E-03	5.48E-03	9.93E-04
8.09E+01	-4.47E-03	5.16E-03	8.27E-04
8.09E+01	-4.25E-03	4.80E-03	5.01E-04
8.09E+01	-4.02E-03	4.48E-03	2.40E-04
8.09E+01	-3.80E-03	4.18E-03	8.60E-05
8.09E+01	-3.59E-03	3.91E-03	4.37E-05
8.09E+01	-3.41E-03	3.68E-03	1.66E-04
8.09E+01	-3.24E-03	3.48E-03	3.17E-04
8.09E+01	-3.08E-03	3.27E-03	4.26E-04
8.09E+01	-2.97E-03	3.05E-03	4.95E-04
8.09E+01	-2.80E-03	2.89E-03	5.01E-04
8.09E+01	-2.61E-03	2.75E-03	4.48E-04
8.09E+01	-2.43E-03	2.63E-03	2.69E-04
8.09E+01	-2.21E-03	2.58E-03	8.24E-05
8.09E+01	-1.99E-03	2.60E-03	2.10E-05
8.09E+01	-1.75E-03	2.60E-03	-6.28E-05
8.09E+01	-1.52E-03	2.50E-03	-1.39E-04
8.09E+01	-1.34E-03	2.35E-03	-1.19E-04
8.09E+01	-1.11E-03	2.14E-03	2.59E-05
8.10E+01	-9.21E-04	1.83E-03	3.79E-04
8.10E+01	-8.01E-04	1.37E-03	7.15E-04
8.10E+01	-7.35E-04	7.94E-04	9.10E-04
8.10E+01	-7.42E-04	2.00E-04	1.15E-03
8.10E+01	-7.60E-04	-4.11E-04	1.43E-03
8.10E+01	-8.77E-04	-1.02E-03	1.69E-03
8.10E+01	-1.15E-03	-1.60E-03	1.95E-03
8.10E+01	-1.45E-03	-2.07E-03	2.19E-03
8.10E+01	-1.79E-03	-2.38E-03	2.43E-03
8.10E+01	-2.20E-03	-2.64E-03	2.54E-03
8.10E+01	-2.55E-03	-2.87E-03	2.53E-03
8.10E+01	-2.78E-03	-3.01E-03	2.61E-03
8.10E+01	-2.89E-03	-3.09E-03	2.63E-03
8.10E+01	-2.88E-03	-3.21E-03	2.50E-03
8.10E+01	-2.79E-03	-3.35E-03	2.35E-03
8.10E+01	-2.55E-03	-3.53E-03	2.16E-03
8.10E+01	-2.16E-03	-3.76E-03	2.07E-03
8.10E+01	-1.74E-03	-4.04E-03	2.12E-03
8.10E+01	-1.30E-03	-4.35E-03	2.20E-03
8.10E+01	-8.80E-04	-4.60E-03	2.24E-03
8.11E+01	-4.97E-04	-4.72E-03	2.13E-03

8.11E+01	-1.42E-04	-4.69E-03	1.87E-03
8.11E+01	1.21E-04	-4.50E-03	1.65E-03
8.11E+01	3.29E-04	-4.15E-03	1.49E-03
8.11E+01	4.95E-04	-3.70E-03	1.41E-03
8.11E+01	5.07E-04	-3.20E-03	1.46E-03
8.11E+01	3.73E-04	-2.77E-03	1.51E-03
8.11E+01	1.71E-04	-2.39E-03	1.72E-03
8.11E+01	-5.95E-05	-2.01E-03	2.17E-03
8.11E+01	-3.14E-04	-1.68E-03	2.65E-03
8.11E+01	-6.12E-04	-1.35E-03	3.15E-03
8.11E+01	-8.64E-04	-1.00E-03	3.59E-03
8.11E+01	-1.00E-03	-6.32E-04	3.90E-03
8.11E+01	-1.10E-03	-2.89E-04	4.11E-03
8.11E+01	-1.12E-03	-2.63E-05	4.21E-03
8.11E+01	-1.05E-03	1.63E-04	4.25E-03
8.11E+01	-9.43E-04	2.26E-04	4.19E-03
8.11E+01	-7.65E-04	1.59E-04	3.95E-03
8.11E+01	-5.59E-04	8.37E-05	3.66E-03
8.11E+01	-3.34E-04	1.79E-05	3.34E-03
8.12E+01	-4.31E-05	-1.75E-05	3.04E-03
8.12E+01	2.05E-04	7.44E-06	2.91E-03
8.12E+01	3.79E-04	9.16E-06	2.84E-03
8.12E+01	5.21E-04	1.34E-06	2.93E-03
8.12E+01	5.81E-04	-5.91E-06	3.09E-03
8.12E+01	5.57E-04	-1.02E-04	3.09E-03
8.12E+01	4.28E-04	-2.70E-04	3.00E-03
8.12E+01	2.12E-04	-4.85E-04	2.85E-03
8.12E+01	1.18E-05	-7.94E-04	2.62E-03
8.12E+01	-2.45E-04	-1.22E-03	2.41E-03
8.12E+01	-5.64E-04	-1.76E-03	2.22E-03
8.12E+01	-8.65E-04	-2.37E-03	2.16E-03
8.12E+01	-1.19E-03	-3.06E-03	2.21E-03
8.12E+01	-1.50E-03	-3.84E-03	2.24E-03
8.12E+01	-1.75E-03	-4.63E-03	2.41E-03
8.12E+01	-1.97E-03	-5.37E-03	2.78E-03
8.12E+01	-2.08E-03	-6.03E-03	3.17E-03
8.12E+01	-2.13E-03	-6.57E-03	3.52E-03
8.12E+01	-2.14E-03	-6.97E-03	3.78E-03
8.12E+01	-2.04E-03	-7.21E-03	3.90E-03
8.13E+01	-1.81E-03	-7.28E-03	3.93E-03
8.13E+01	-1.47E-03	-7.22E-03	3.78E-03
8.13E+01	-1.06E-03	-7.08E-03	3.46E-03
8.13E+01	-6.35E-04	-6.87E-03	3.10E-03
8.13E+01	-1.25E-04	-6.61E-03	2.85E-03
8.13E+01	4.03E-04	-6.37E-03	2.81E-03
8.13E+01	8.36E-04	-6.25E-03	2.95E-03
8.13E+01	1.16E-03	-6.29E-03	3.18E-03

8.13E+01	1.38E-03	-6.46E-03	3.41E-03
8.13E+01	1.52E-03	-6.73E-03	3.47E-03
8.13E+01	1.61E-03	-7.04E-03	3.37E-03
8.13E+01	1.67E-03	-7.31E-03	3.25E-03
8.13E+01	1.78E-03	-7.49E-03	3.09E-03
8.13E+01	1.92E-03	-7.56E-03	2.91E-03
8.13E+01	2.00E-03	-7.58E-03	2.78E-03
8.13E+01	2.07E-03	-7.58E-03	2.74E-03
8.13E+01	2.11E-03	-7.51E-03	2.87E-03
8.13E+01	2.04E-03	-7.41E-03	3.04E-03
8.13E+01	1.87E-03	-7.31E-03	3.11E-03
8.13E+01	1.60E-03	-7.15E-03	3.16E-03
8.14E+01	1.32E-03	-6.93E-03	3.15E-03
8.14E+01	1.15E-03	-6.63E-03	3.05E-03
8.14E+01	1.04E-03	-6.26E-03	3.03E-03
8.14E+01	9.98E-04	-5.85E-03	3.08E-03
8.14E+01	1.07E-03	-5.43E-03	3.10E-03
8.14E+01	1.20E-03	-5.10E-03	3.15E-03
8.14E+01	1.34E-03	-4.86E-03	3.18E-03
8.14E+01	1.43E-03	-4.78E-03	3.11E-03
8.14E+01	1.50E-03	-4.85E-03	2.97E-03
8.14E+01	1.51E-03	-4.92E-03	2.82E-03
8.14E+01	1.41E-03	-5.02E-03	2.58E-03
8.14E+01	1.30E-03	-5.06E-03	2.26E-03
8.14E+01	1.21E-03	-4.97E-03	1.99E-03
8.14E+01	1.22E-03	-4.73E-03	1.83E-03
8.14E+01	1.28E-03	-4.45E-03	1.60E-03
8.14E+01	1.39E-03	-4.17E-03	1.37E-03
8.14E+01	1.59E-03	-3.84E-03	1.23E-03
8.14E+01	1.84E-03	-3.58E-03	1.02E-03
8.14E+01	2.05E-03	-3.38E-03	7.57E-04
8.14E+01	2.19E-03	-3.21E-03	4.23E-04
8.15E+01	2.26E-03	-3.11E-03	6.50E-05
8.15E+01	2.27E-03	-3.02E-03	-3.20E-04
8.15E+01	2.12E-03	-2.97E-03	-8.53E-04
8.15E+01	1.85E-03	-2.93E-03	-1.19E-03
8.15E+01	1.52E-03	-2.81E-03	-1.17E-03
8.15E+01	1.13E-03	-2.67E-03	-9.48E-04
8.15E+01	6.74E-04	-2.49E-03	-6.14E-04
8.15E+01	1.68E-04	-2.27E-03	-3.75E-04
8.15E+01	-2.82E-04	-2.03E-03	-1.76E-04
8.15E+01	-6.79E-04	-1.76E-03	2.80E-05
8.15E+01	-1.05E-03	-1.56E-03	1.05E-04
8.15E+01	-1.41E-03	-1.41E-03	1.27E-04
8.15E+01	-1.74E-03	-1.27E-03	1.12E-04
8.15E+01	-1.98E-03	-1.17E-03	1.13E-05
8.15E+01	-2.12E-03	-1.10E-03	-1.87E-04

8.15E+01	-2.22E-03	-1.07E-03	-4.26E-04
8.15E+01	-2.21E-03	-1.01E-03	-4.86E-04
8.15E+01	-2.11E-03	-9.35E-04	-3.95E-04
8.15E+01	-2.00E-03	-8.73E-04	-3.22E-04
8.15E+01	-1.92E-03	-7.96E-04	-2.32E-04
8.16E+01	-1.91E-03	-6.64E-04	-1.39E-04
8.16E+01	-1.88E-03	-4.93E-04	-6.08E-05
8.16E+01	-1.86E-03	-2.97E-04	8.83E-05
8.16E+01	-1.86E-03	-8.66E-05	2.84E-04
8.16E+01	-1.79E-03	1.29E-04	4.75E-04
8.16E+01	-1.65E-03	3.85E-04	6.47E-04
8.16E+01	-1.49E-03	6.10E-04	6.64E-04
8.16E+01	-1.33E-03	7.20E-04	5.02E-04
8.16E+01	-1.16E-03	7.62E-04	2.93E-04
8.16E+01	-9.58E-04	7.75E-04	1.04E-04
8.16E+01	-7.48E-04	8.01E-04	-1.93E-05
8.16E+01	-5.90E-04	8.31E-04	-1.75E-04
8.16E+01	-4.68E-04	8.42E-04	-3.89E-04
8.16E+01	-3.57E-04	8.93E-04	-5.55E-04
8.16E+01	-2.77E-04	9.10E-04	-7.64E-04
8.16E+01	-2.62E-04	8.16E-04	-9.95E-04
8.16E+01	-3.01E-04	6.38E-04	-1.16E-03
8.16E+01	-3.53E-04	3.52E-04	-1.28E-03
8.16E+01	-4.18E-04	-2.86E-06	-1.25E-03
8.16E+01	-5.26E-04	-4.46E-04	-9.55E-04
8.17E+01	-6.52E-04	-1.00E-03	-4.99E-04
8.17E+01	-7.38E-04	-1.54E-03	1.81E-05
8.17E+01	-7.88E-04	-2.08E-03	4.30E-04
8.17E+01	-8.43E-04	-2.59E-03	7.13E-04
8.17E+01	-9.39E-04	-2.95E-03	9.11E-04
8.17E+01	-1.02E-03	-3.21E-03	9.02E-04
8.17E+01	-1.06E-03	-3.33E-03	7.02E-04
8.17E+01	-1.16E-03	-3.34E-03	3.37E-04
8.17E+01	-1.31E-03	-3.33E-03	-1.55E-04
8.17E+01	-1.52E-03	-3.29E-03	-5.66E-04
8.17E+01	-1.74E-03	-3.25E-03	-8.36E-04
8.17E+01	-1.95E-03	-3.18E-03	-8.35E-04
8.17E+01	-2.21E-03	-3.07E-03	-5.51E-04
8.17E+01	-2.47E-03	-2.95E-03	-3.37E-04
8.17E+01	-2.70E-03	-2.83E-03	-2.84E-04
8.17E+01	-2.93E-03	-2.74E-03	-3.47E-04
8.17E+01	-3.10E-03	-2.68E-03	-5.19E-04
8.17E+01	-3.21E-03	-2.63E-03	-6.98E-04
8.17E+01	-3.25E-03	-2.58E-03	-8.70E-04
8.17E+01	-3.20E-03	-2.53E-03	-9.84E-04
8.18E+01	-3.07E-03	-2.49E-03	-1.04E-03
8.18E+01	-2.85E-03	-2.44E-03	-1.16E-03

8.18E+01	-2.54E-03	-2.37E-03	-1.30E-03
8.18E+01	-2.22E-03	-2.33E-03	-1.41E-03
8.18E+01	-1.95E-03	-2.34E-03	-1.52E-03
8.18E+01	-1.72E-03	-2.33E-03	-1.54E-03
8.18E+01	-1.52E-03	-2.35E-03	-1.50E-03
8.18E+01	-1.42E-03	-2.47E-03	-1.46E-03
8.18E+01	-1.45E-03	-2.65E-03	-1.31E-03
8.18E+01	-1.58E-03	-2.84E-03	-1.08E-03
8.18E+01	-1.73E-03	-3.01E-03	-8.32E-04
8.18E+01	-1.94E-03	-3.11E-03	-6.39E-04
8.18E+01	-2.19E-03	-3.17E-03	-6.87E-04
8.18E+01	-2.42E-03	-3.15E-03	-8.66E-04
8.18E+01	-2.63E-03	-3.05E-03	-1.02E-03
8.18E+01	-2.82E-03	-2.89E-03	-1.07E-03
8.18E+01	-3.06E-03	-2.72E-03	-8.92E-04
8.18E+01	-3.32E-03	-2.53E-03	-5.33E-04
8.18E+01	-3.54E-03	-2.38E-03	-1.58E-04
8.18E+01	-3.76E-03	-2.26E-03	1.84E-04
8.19E+01	-3.96E-03	-2.14E-03	4.51E-04
8.19E+01	-4.05E-03	-2.00E-03	5.88E-04
8.19E+01	-4.00E-03	-1.78E-03	6.10E-04
8.19E+01	-3.79E-03	-1.48E-03	5.28E-04
8.19E+01	-3.47E-03	-1.11E-03	3.68E-04
8.19E+01	-3.08E-03	-7.04E-04	9.02E-05
8.19E+01	-2.60E-03	-3.22E-04	-2.62E-04
8.19E+01	-2.11E-03	-6.10E-06	-5.23E-04
8.19E+01	-1.68E-03	1.83E-04	-6.97E-04
8.19E+01	-1.28E-03	2.47E-04	-7.89E-04
8.19E+01	-9.57E-04	2.20E-04	-7.23E-04
8.19E+01	-6.61E-04	1.67E-04	-5.54E-04
8.19E+01	-4.32E-04	8.11E-05	-3.68E-04
8.19E+01	-2.94E-04	-4.33E-05	-2.08E-04
8.19E+01	-1.37E-04	-1.79E-04	-1.02E-04
8.19E+01	-2.04E-05	-3.40E-04	-1.26E-05
8.19E+01	5.11E-05	-4.92E-04	-4.48E-05
8.19E+01	1.48E-04	-6.47E-04	-2.53E-04
8.19E+01	2.74E-04	-7.86E-04	-4.37E-04
8.19E+01	4.61E-04	-8.93E-04	-5.54E-04
8.20E+01	7.25E-04	-9.98E-04	-6.25E-04
8.20E+01	1.05E-03	-1.09E-03	-5.94E-04
8.20E+01	1.40E-03	-1.20E-03	-4.02E-04
8.20E+01	1.79E-03	-1.28E-03	-9.54E-06
8.20E+01	2.17E-03	-1.35E-03	3.07E-04
8.20E+01	2.52E-03	-1.50E-03	4.44E-04
8.20E+01	2.86E-03	-1.65E-03	6.34E-04
8.20E+01	3.14E-03	-1.84E-03	7.83E-04
8.20E+01	3.33E-03	-2.11E-03	6.96E-04

8.20E+01	3.41E-03	-2.39E-03	4.08E-04
8.20E+01	3.40E-03	-2.69E-03	4.83E-05
8.20E+01	3.37E-03	-2.88E-03	-2.02E-04
8.20E+01	3.26E-03	-2.96E-03	-3.59E-04
8.20E+01	3.08E-03	-2.98E-03	-5.15E-04
8.20E+01	2.88E-03	-2.86E-03	-6.10E-04
8.20E+01	2.67E-03	-2.67E-03	-6.99E-04
8.20E+01	2.45E-03	-2.50E-03	-8.59E-04
8.20E+01	2.15E-03	-2.32E-03	-9.87E-04
8.20E+01	1.86E-03	-2.12E-03	-1.01E-03
8.20E+01	1.66E-03	-1.89E-03	-8.97E-04
8.21E+01	1.44E-03	-1.68E-03	-6.53E-04
8.21E+01	1.25E-03	-1.58E-03	-3.36E-04
8.21E+01	1.10E-03	-1.54E-03	4.58E-05
8.21E+01	9.83E-04	-1.63E-03	3.60E-04
8.21E+01	8.63E-04	-1.87E-03	4.67E-04
8.21E+01	7.45E-04	-2.18E-03	5.13E-04
8.21E+01	6.97E-04	-2.53E-03	5.49E-04
8.21E+01	7.71E-04	-2.86E-03	5.89E-04
8.21E+01	8.90E-04	-3.09E-03	6.82E-04
8.21E+01	1.00E-03	-3.29E-03	7.00E-04
8.21E+01	1.14E-03	-3.39E-03	6.86E-04
8.21E+01	1.25E-03	-3.36E-03	6.40E-04
8.21E+01	1.31E-03	-3.31E-03	4.59E-04
8.21E+01	1.28E-03	-3.23E-03	2.81E-04
8.21E+01	1.15E-03	-3.15E-03	1.51E-04
8.21E+01	9.56E-04	-3.07E-03	1.72E-06
8.21E+01	6.87E-04	-3.02E-03	-1.79E-04
8.21E+01	3.55E-04	-3.01E-03	-3.89E-04
8.21E+01	1.07E-05	-3.02E-03	-5.13E-04
8.21E+01	-2.96E-04	-3.04E-03	-4.46E-04
8.22E+01	-5.56E-04	-3.03E-03	-2.45E-04
8.22E+01	-8.10E-04	-2.97E-03	2.33E-05
8.22E+01	-1.02E-03	-2.84E-03	3.41E-04
8.22E+01	-1.11E-03	-2.59E-03	6.99E-04
8.22E+01	-1.16E-03	-2.28E-03	1.01E-03
8.22E+01	-1.24E-03	-1.98E-03	1.16E-03
8.22E+01	-1.29E-03	-1.62E-03	1.25E-03
8.22E+01	-1.31E-03	-1.20E-03	1.38E-03
8.22E+01	-1.36E-03	-7.83E-04	1.40E-03
8.22E+01	-1.48E-03	-3.86E-04	1.29E-03
8.22E+01	-1.72E-03	1.91E-07	1.09E-03
8.22E+01	-2.01E-03	4.06E-04	7.46E-04
8.22E+01	-2.33E-03	7.99E-04	3.44E-04
8.22E+01	-2.69E-03	1.14E-03	-5.19E-05
8.22E+01	-2.99E-03	1.43E-03	-4.02E-04
8.22E+01	-3.23E-03	1.67E-03	-5.41E-04

8.22E+01	-3.41E-03	1.83E-03	-5.03E-04
8.22E+01	-3.55E-03	1.87E-03	-3.54E-04
8.22E+01	-3.69E-03	1.82E-03	-1.63E-04
8.22E+01	-3.73E-03	1.72E-03	-1.14E-04
8.23E+01	-3.67E-03	1.61E-03	-1.16E-04
8.23E+01	-3.52E-03	1.48E-03	-2.73E-05
8.23E+01	-3.25E-03	1.33E-03	2.22E-04
8.23E+01	-2.87E-03	1.18E-03	7.34E-04
8.23E+01	-2.41E-03	9.75E-04	1.32E-03
8.23E+01	-1.98E-03	6.80E-04	1.86E-03
8.23E+01	-1.64E-03	3.44E-04	2.40E-03
8.23E+01	-1.33E-03	2.67E-06	2.86E-03
8.23E+01	-1.03E-03	-3.33E-04	3.19E-03
8.23E+01	-7.79E-04	-6.75E-04	3.26E-03
8.23E+01	-5.67E-04	-1.07E-03	3.02E-03
8.23E+01	-3.39E-04	-1.50E-03	2.69E-03
8.23E+01	-9.29E-05	-1.99E-03	2.32E-03
8.23E+01	1.35E-04	-2.56E-03	1.92E-03
8.23E+01	2.80E-04	-3.17E-03	1.64E-03
8.23E+01	3.74E-04	-3.81E-03	1.42E-03
8.23E+01	4.58E-04	-4.42E-03	1.26E-03
8.23E+01	4.51E-04	-4.91E-03	1.24E-03
8.23E+01	4.23E-04	-5.23E-03	1.35E-03
8.23E+01	4.33E-04	-5.34E-03	1.61E-03
8.24E+01	4.23E-04	-5.27E-03	1.90E-03
8.24E+01	4.05E-04	-5.10E-03	2.00E-03
8.24E+01	3.88E-04	-4.84E-03	2.00E-03
8.24E+01	4.18E-04	-4.51E-03	2.03E-03
8.24E+01	5.26E-04	-4.15E-03	2.19E-03
8.24E+01	6.44E-04	-3.83E-03	2.50E-03
8.24E+01	7.27E-04	-3.63E-03	2.71E-03
8.24E+01	7.60E-04	-3.46E-03	2.80E-03
8.24E+01	7.35E-04	-3.22E-03	2.88E-03
8.24E+01	6.71E-04	-2.90E-03	2.88E-03
8.24E+01	5.56E-04	-2.50E-03	2.80E-03
8.24E+01	4.14E-04	-2.04E-03	2.67E-03
8.24E+01	3.49E-04	-1.54E-03	2.55E-03
8.24E+01	3.34E-04	-1.09E-03	2.52E-03
8.24E+01	3.24E-04	-7.62E-04	2.56E-03
8.24E+01	3.60E-04	-5.48E-04	2.62E-03
8.24E+01	4.32E-04	-4.56E-04	2.63E-03
8.24E+01	5.23E-04	-4.70E-04	2.51E-03
8.24E+01	5.76E-04	-5.24E-04	2.34E-03
8.24E+01	5.80E-04	-5.58E-04	2.12E-03
8.25E+01	5.99E-04	-5.26E-04	1.85E-03
8.25E+01	5.72E-04	-4.41E-04	1.57E-03
8.25E+01	4.68E-04	-3.94E-04	1.29E-03

8.25E+01	3.41E-04	-4.02E-04	1.21E-03
8.25E+01	1.96E-04	-4.29E-04	1.48E-03
8.25E+01	2.99E-05	-5.00E-04	1.88E-03
8.25E+01	-2.28E-04	-6.27E-04	2.26E-03
8.25E+01	-6.10E-04	-7.82E-04	2.53E-03
8.25E+01	-1.02E-03	-9.32E-04	2.55E-03
8.25E+01	-1.44E-03	-1.07E-03	2.29E-03
8.25E+01	-1.90E-03	-1.19E-03	1.87E-03
8.25E+01	-2.25E-03	-1.29E-03	1.50E-03
8.25E+01	-2.46E-03	-1.33E-03	1.44E-03
8.25E+01	-2.55E-03	-1.36E-03	1.56E-03
8.25E+01	-2.54E-03	-1.42E-03	1.62E-03
8.25E+01	-2.44E-03	-1.51E-03	1.58E-03
8.25E+01	-2.20E-03	-1.61E-03	1.45E-03
8.25E+01	-1.86E-03	-1.70E-03	1.34E-03
8.25E+01	-1.55E-03	-1.79E-03	1.20E-03
8.25E+01	-1.31E-03	-1.87E-03	9.30E-04
8.26E+01	-1.15E-03	-1.83E-03	7.28E-04
8.26E+01	-1.08E-03	-1.73E-03	7.15E-04
8.26E+01	-1.12E-03	-1.61E-03	8.67E-04
8.26E+01	-1.28E-03	-1.49E-03	1.17E-03
8.26E+01	-1.44E-03	-1.32E-03	1.59E-03
8.26E+01	-1.59E-03	-1.04E-03	2.11E-03
8.26E+01	-1.77E-03	-7.07E-04	2.53E-03
8.26E+01	-1.98E-03	-4.01E-04	2.70E-03
8.26E+01	-2.16E-03	-8.58E-05	2.69E-03
8.26E+01	-2.30E-03	1.73E-04	2.53E-03
8.26E+01	-2.40E-03	3.18E-04	2.27E-03
8.26E+01	-2.51E-03	3.68E-04	2.05E-03
8.26E+01	-2.61E-03	3.62E-04	1.89E-03
8.26E+01	-2.62E-03	3.62E-04	1.80E-03
8.26E+01	-2.66E-03	3.15E-04	1.74E-03
8.26E+01	-2.70E-03	2.00E-04	1.66E-03
8.26E+01	-2.66E-03	1.02E-04	1.65E-03
8.26E+01	-2.58E-03	3.81E-06	1.64E-03
8.26E+01	-2.45E-03	-1.17E-04	1.51E-03
8.26E+01	-2.28E-03	-2.32E-04	1.34E-03
8.27E+01	-2.04E-03	-3.22E-04	1.26E-03
8.27E+01	-1.67E-03	-3.82E-04	1.26E-03
8.27E+01	-1.26E-03	-4.70E-04	1.28E-03
8.27E+01	-8.39E-04	-6.22E-04	1.20E-03
8.27E+01	-3.71E-04	-7.84E-04	1.12E-03
8.27E+01	1.62E-04	-9.30E-04	1.17E-03
8.27E+01	7.29E-04	-1.09E-03	1.20E-03
8.27E+01	1.25E-03	-1.24E-03	1.25E-03
8.27E+01	1.72E-03	-1.34E-03	1.39E-03
8.27E+01	2.19E-03	-1.37E-03	1.59E-03

8.27E+01	2.56E-03	-1.34E-03	1.74E-03
8.27E+01	2.83E-03	-1.31E-03	1.70E-03
8.27E+01	3.07E-03	-1.24E-03	1.50E-03
8.27E+01	3.26E-03	-1.12E-03	1.27E-03
8.27E+01	3.37E-03	-1.01E-03	1.06E-03
8.27E+01	3.41E-03	-8.78E-04	9.40E-04
8.27E+01	3.36E-03	-7.28E-04	9.25E-04
8.27E+01	3.26E-03	-5.72E-04	9.94E-04
8.27E+01	3.12E-03	-4.10E-04	1.18E-03
8.27E+01	2.95E-03	-2.89E-04	1.46E-03
8.28E+01	2.82E-03	-1.70E-04	1.79E-03
8.28E+01	2.75E-03	-8.77E-06	2.07E-03
8.28E+01	2.76E-03	1.21E-04	2.22E-03
8.28E+01	2.78E-03	1.96E-04	2.22E-03
8.28E+01	2.81E-03	2.16E-04	2.09E-03
8.28E+01	2.87E-03	1.77E-04	1.79E-03
8.28E+01	2.88E-03	9.63E-05	1.33E-03
8.28E+01	2.80E-03	-8.83E-05	6.90E-04
8.28E+01	2.67E-03	-3.73E-04	-4.77E-05
8.28E+01	2.52E-03	-6.56E-04	-6.85E-04
8.28E+01	2.37E-03	-9.39E-04	-1.16E-03
8.28E+01	2.19E-03	-1.24E-03	-1.43E-03
8.28E+01	1.96E-03	-1.52E-03	-1.44E-03
8.28E+01	1.75E-03	-1.81E-03	-1.31E-03
8.28E+01	1.59E-03	-2.08E-03	-1.04E-03
8.28E+01	1.47E-03	-2.35E-03	-6.94E-04
8.28E+01	1.41E-03	-2.65E-03	-3.38E-04
8.28E+01	1.47E-03	-2.94E-03	1.01E-04
8.28E+01	1.65E-03	-3.23E-03	6.00E-04
8.28E+01	1.91E-03	-3.54E-03	1.12E-03
8.29E+01	2.20E-03	-3.88E-03	1.69E-03
8.29E+01	2.54E-03	-4.21E-03	2.18E-03
8.29E+01	2.94E-03	-4.52E-03	2.57E-03
8.29E+01	3.31E-03	-4.80E-03	2.81E-03
8.29E+01	3.62E-03	-5.03E-03	2.75E-03
8.29E+01	3.91E-03	-5.14E-03	2.50E-03
8.29E+01	4.10E-03	-5.07E-03	2.09E-03
8.29E+01	4.15E-03	-4.92E-03	1.49E-03
8.29E+01	4.04E-03	-4.69E-03	7.91E-04
8.29E+01	3.77E-03	-4.35E-03	3.62E-05
8.29E+01	3.36E-03	-3.88E-03	-6.52E-04
8.29E+01	2.81E-03	-3.33E-03	-1.20E-03
8.29E+01	2.16E-03	-2.81E-03	-1.65E-03
8.29E+01	1.49E-03	-2.27E-03	-1.92E-03
8.29E+01	8.82E-04	-1.71E-03	-1.98E-03
8.29E+01	3.64E-04	-1.16E-03	-1.90E-03
8.29E+01	-5.93E-05	-6.53E-04	-1.61E-03

8.29E+01	-3.06E-04	-1.91E-04	-1.10E-03
8.29E+01	-3.01E-04	2.18E-04	-5.05E-04
8.29E+01	-1.57E-04	5.47E-04	1.34E-05
8.30E+01	8.81E-05	7.61E-04	3.24E-04
8.30E+01	4.86E-04	8.87E-04	4.59E-04
8.30E+01	9.64E-04	9.46E-04	4.70E-04
8.30E+01	1.42E-03	9.27E-04	2.38E-04
8.30E+01	1.77E-03	8.64E-04	-1.05E-04
8.30E+01	1.96E-03	8.06E-04	-3.53E-04
8.30E+01	2.05E-03	7.79E-04	-4.89E-04
8.30E+01	2.06E-03	7.85E-04	-5.01E-04
8.30E+01	1.91E-03	7.92E-04	-5.44E-04
8.30E+01	1.68E-03	8.42E-04	-7.26E-04
8.30E+01	1.45E-03	9.56E-04	-1.01E-03
8.30E+01	1.24E-03	1.09E-03	-1.45E-03
8.30E+01	1.07E-03	1.20E-03	-2.02E-03
8.30E+01	9.26E-04	1.26E-03	-2.60E-03
8.30E+01	8.65E-04	1.29E-03	-3.10E-03
8.30E+01	8.75E-04	1.24E-03	-3.49E-03
8.30E+01	9.31E-04	1.05E-03	-3.74E-03
8.30E+01	1.09E-03	8.28E-04	-3.76E-03
8.30E+01	1.34E-03	6.27E-04	-3.44E-03
8.30E+01	1.65E-03	4.58E-04	-2.84E-03
8.31E+01	1.98E-03	3.30E-04	-2.24E-03
8.31E+01	2.26E-03	2.35E-04	-1.80E-03
8.31E+01	2.55E-03	2.18E-04	-1.54E-03
8.31E+01	2.83E-03	2.64E-04	-1.45E-03
8.31E+01	3.03E-03	2.47E-04	-1.60E-03
8.31E+01	3.17E-03	1.59E-04	-1.96E-03
8.31E+01	3.27E-03	7.51E-05	-2.35E-03
8.31E+01	3.33E-03	-5.78E-05	-2.77E-03
8.31E+01	3.31E-03	-3.04E-04	-3.28E-03
8.31E+01	3.20E-03	-6.38E-04	-3.70E-03
8.31E+01	3.04E-03	-1.03E-03	-3.96E-03
8.31E+01	2.85E-03	-1.42E-03	-4.03E-03
8.31E+01	2.59E-03	-1.80E-03	-3.84E-03
8.31E+01	2.33E-03	-2.13E-03	-3.42E-03
8.31E+01	2.15E-03	-2.35E-03	-2.81E-03
8.31E+01	2.06E-03	-2.47E-03	-2.21E-03
8.31E+01	2.02E-03	-2.54E-03	-1.88E-03
8.31E+01	2.02E-03	-2.55E-03	-1.89E-03
8.31E+01	2.12E-03	-2.48E-03	-2.20E-03
8.31E+01	2.35E-03	-2.29E-03	-2.67E-03
8.32E+01	2.60E-03	-1.99E-03	-3.12E-03
8.32E+01	2.83E-03	-1.65E-03	-3.45E-03
8.32E+01	3.04E-03	-1.28E-03	-3.57E-03
8.32E+01	3.18E-03	-9.45E-04	-3.50E-03

8.32E+01	3.24E-03	-6.79E-04	-3.32E-03
8.32E+01	3.24E-03	-4.35E-04	-3.00E-03
8.32E+01	3.20E-03	-1.96E-04	-2.69E-03
8.32E+01	3.23E-03	6.60E-05	-2.46E-03
8.32E+01	3.33E-03	3.76E-04	-2.20E-03
8.32E+01	3.52E-03	6.72E-04	-2.02E-03
8.32E+01	3.84E-03	9.46E-04	-1.93E-03
8.32E+01	4.21E-03	1.18E-03	-1.90E-03
8.32E+01	4.54E-03	1.32E-03	-2.05E-03
8.32E+01	4.78E-03	1.36E-03	-2.34E-03
8.32E+01	4.90E-03	1.34E-03	-2.70E-03
8.32E+01	4.98E-03	1.33E-03	-3.05E-03
8.32E+01	5.01E-03	1.36E-03	-3.25E-03
8.32E+01	4.91E-03	1.39E-03	-3.36E-03
8.32E+01	4.72E-03	1.45E-03	-3.36E-03
8.32E+01	4.48E-03	1.56E-03	-3.19E-03
8.33E+01	4.23E-03	1.66E-03	-3.03E-03
8.33E+01	3.94E-03	1.74E-03	-2.98E-03
8.33E+01	3.62E-03	1.81E-03	-2.94E-03
8.33E+01	3.39E-03	1.88E-03	-2.91E-03
8.33E+01	3.18E-03	1.98E-03	-2.96E-03
8.33E+01	2.96E-03	2.10E-03	-3.15E-03
8.33E+01	2.81E-03	2.29E-03	-3.31E-03
8.33E+01	2.73E-03	2.61E-03	-3.23E-03
8.33E+01	2.72E-03	3.01E-03	-2.95E-03
8.33E+01	2.72E-03	3.41E-03	-2.61E-03
8.33E+01	2.69E-03	3.80E-03	-2.31E-03
8.33E+01	2.68E-03	4.12E-03	-2.20E-03
8.33E+01	2.69E-03	4.36E-03	-2.25E-03
8.33E+01	2.69E-03	4.52E-03	-2.37E-03
8.33E+01	2.72E-03	4.63E-03	-2.56E-03
8.33E+01	2.82E-03	4.78E-03	-2.72E-03
8.33E+01	2.98E-03	4.92E-03	-2.84E-03
8.33E+01	3.19E-03	4.98E-03	-2.95E-03
8.33E+01	3.40E-03	4.96E-03	-2.93E-03
8.33E+01	3.60E-03	4.86E-03	-2.84E-03
8.34E+01	3.79E-03	4.69E-03	-2.76E-03
8.34E+01	3.87E-03	4.42E-03	-2.73E-03
8.34E+01	3.82E-03	4.03E-03	-2.81E-03
8.34E+01	3.67E-03	3.59E-03	-2.85E-03
8.34E+01	3.41E-03	3.20E-03	-2.77E-03
8.34E+01	3.01E-03	2.84E-03	-2.61E-03
8.34E+01	2.49E-03	2.58E-03	-2.37E-03
8.34E+01	1.92E-03	2.42E-03	-2.13E-03
8.34E+01	1.32E-03	2.31E-03	-2.03E-03
8.34E+01	7.37E-04	2.23E-03	-2.07E-03
8.34E+01	2.43E-04	2.15E-03	-2.25E-03

8.34E+01	-1.19E-04	2.09E-03	-2.40E-03
8.34E+01	-3.35E-04	2.08E-03	-2.45E-03
8.34E+01	-4.45E-04	2.06E-03	-2.49E-03
8.34E+01	-4.83E-04	2.01E-03	-2.49E-03
8.34E+01	-4.39E-04	1.93E-03	-2.49E-03
8.34E+01	-2.96E-04	1.89E-03	-2.43E-03
8.34E+01	-1.14E-04	1.90E-03	-2.17E-03
8.34E+01	6.92E-05	1.96E-03	-1.83E-03
8.34E+01	2.96E-04	2.12E-03	-1.40E-03
8.35E+01	5.32E-04	2.40E-03	-9.58E-04
8.35E+01	7.24E-04	2.77E-03	-6.85E-04
8.35E+01	8.54E-04	3.21E-03	-5.61E-04
8.35E+01	9.40E-04	3.72E-03	-5.48E-04
8.35E+01	1.03E-03	4.27E-03	-6.11E-04
8.35E+01	1.12E-03	4.84E-03	-6.87E-04
8.35E+01	1.17E-03	5.35E-03	-7.94E-04
8.35E+01	1.24E-03	5.79E-03	-8.19E-04
8.35E+01	1.36E-03	6.18E-03	-6.81E-04
8.35E+01	1.47E-03	6.42E-03	-5.89E-04
8.35E+01	1.52E-03	6.51E-03	-6.47E-04
8.35E+01	1.56E-03	6.53E-03	-7.34E-04
8.35E+01	1.62E-03	6.49E-03	-7.64E-04
8.35E+01	1.70E-03	6.43E-03	-6.94E-04
8.35E+01	1.76E-03	6.32E-03	-5.99E-04
8.35E+01	1.82E-03	6.16E-03	-5.40E-04
8.35E+01	1.91E-03	6.00E-03	-5.06E-04
8.35E+01	1.92E-03	5.83E-03	-5.66E-04
8.35E+01	1.84E-03	5.60E-03	-7.22E-04
8.35E+01	1.70E-03	5.37E-03	-8.76E-04
8.36E+01	1.52E-03	5.19E-03	-9.59E-04
8.36E+01	1.27E-03	4.94E-03	-9.86E-04
8.36E+01	9.18E-04	4.65E-03	-1.07E-03
8.36E+01	5.33E-04	4.33E-03	-1.11E-03
8.36E+01	1.60E-04	4.03E-03	-9.85E-04
8.36E+01	-1.85E-04	3.76E-03	-8.63E-04
8.36E+01	-4.99E-04	3.44E-03	-9.17E-04
8.36E+01	-7.73E-04	3.12E-03	-1.11E-03
8.36E+01	-9.56E-04	2.86E-03	-1.36E-03
8.36E+01	-9.97E-04	2.64E-03	-1.61E-03
8.36E+01	-9.48E-04	2.49E-03	-1.86E-03
8.36E+01	-8.43E-04	2.34E-03	-2.13E-03
8.36E+01	-6.56E-04	2.24E-03	-2.32E-03
8.36E+01	-4.53E-04	2.19E-03	-2.50E-03
8.36E+01	-2.93E-04	2.15E-03	-2.81E-03
8.36E+01	-1.89E-04	2.22E-03	-3.10E-03
8.36E+01	-1.24E-04	2.40E-03	-3.25E-03
8.36E+01	-1.04E-04	2.67E-03	-3.28E-03

8.36E+01	-2.08E-04	3.02E-03	-3.18E-03
8.36E+01	-4.22E-04	3.44E-03	-3.01E-03
8.37E+01	-6.87E-04	3.95E-03	-2.81E-03
8.37E+01	-9.90E-04	4.49E-03	-2.59E-03
8.37E+01	-1.31E-03	5.03E-03	-2.37E-03
8.37E+01	-1.62E-03	5.53E-03	-2.13E-03
8.37E+01	-1.89E-03	5.95E-03	-1.87E-03
8.37E+01	-2.10E-03	6.33E-03	-1.52E-03
8.37E+01	-2.26E-03	6.61E-03	-1.07E-03
8.37E+01	-2.39E-03	6.75E-03	-6.16E-04
8.37E+01	-2.44E-03	6.79E-03	-2.12E-04
8.37E+01	-2.36E-03	6.73E-03	5.93E-05
8.37E+01	-2.15E-03	6.52E-03	1.34E-04
8.37E+01	-1.85E-03	6.26E-03	1.39E-04
8.37E+01	-1.46E-03	5.93E-03	1.00E-04
8.37E+01	-9.54E-04	5.54E-03	-5.72E-07
8.37E+01	-4.45E-04	5.12E-03	-6.83E-05
8.37E+01	1.01E-05	4.68E-03	-1.83E-04
8.37E+01	4.31E-04	4.22E-03	-3.61E-04
8.37E+01	8.14E-04	3.81E-03	-4.26E-04
8.37E+01	1.13E-03	3.47E-03	-4.03E-04
8.37E+01	1.35E-03	3.19E-03	-3.45E-04
8.38E+01	1.48E-03	2.97E-03	-3.05E-04
8.38E+01	1.53E-03	2.82E-03	-2.51E-04
8.38E+01	1.51E-03	2.74E-03	-4.52E-05
8.38E+01	1.36E-03	2.66E-03	1.53E-04
8.38E+01	1.16E-03	2.58E-03	3.19E-04
8.38E+01	9.75E-04	2.55E-03	6.68E-04
8.38E+01	7.77E-04	2.53E-03	1.10E-03
8.38E+01	5.67E-04	2.51E-03	1.51E-03
8.38E+01	3.47E-04	2.49E-03	1.91E-03
8.38E+01	1.45E-04	2.46E-03	2.12E-03
8.38E+01	-5.21E-05	2.41E-03	2.05E-03
8.38E+01	-2.57E-04	2.29E-03	1.82E-03
8.38E+01	-4.21E-04	2.15E-03	1.56E-03
8.38E+01	-5.03E-04	2.06E-03	1.37E-03
8.38E+01	-5.17E-04	2.01E-03	1.18E-03
8.38E+01	-4.96E-04	2.04E-03	9.46E-04
8.38E+01	-4.81E-04	2.09E-03	7.17E-04
8.38E+01	-4.41E-04	2.18E-03	4.41E-04
8.38E+01	-3.73E-04	2.35E-03	1.41E-04
8.38E+01	-3.58E-04	2.55E-03	-1.93E-04
8.39E+01	-3.63E-04	2.78E-03	-5.79E-04
8.39E+01	-3.57E-04	3.02E-03	-9.11E-04
8.39E+01	-3.60E-04	3.24E-03	-1.18E-03
8.39E+01	-4.05E-04	3.42E-03	-1.36E-03
8.39E+01	-5.38E-04	3.55E-03	-1.33E-03

8.39E+01	-6.76E-04	3.66E-03	-1.12E-03
8.39E+01	-8.03E-04	3.71E-03	-8.29E-04
8.39E+01	-9.74E-04	3.65E-03	-4.90E-04
8.39E+01	-1.10E-03	3.51E-03	-1.34E-04
8.39E+01	-1.15E-03	3.36E-03	3.23E-04
8.39E+01	-1.12E-03	3.15E-03	8.40E-04
8.39E+01	-1.00E-03	2.81E-03	1.32E-03
8.39E+01	-8.47E-04	2.39E-03	1.79E-03
8.39E+01	-6.15E-04	1.96E-03	2.14E-03
8.39E+01	-2.84E-04	1.55E-03	2.35E-03
8.39E+01	6.66E-05	1.14E-03	2.47E-03
8.39E+01	4.33E-04	7.66E-04	2.54E-03
8.39E+01	8.25E-04	4.62E-04	2.71E-03
8.39E+01	1.19E-03	2.36E-04	2.89E-03
8.39E+01	1.48E-03	6.24E-05	2.93E-03
8.40E+01	1.62E-03	-4.75E-05	2.85E-03
8.40E+01	1.66E-03	-6.79E-05	2.62E-03
8.40E+01	1.68E-03	-4.01E-06	2.17E-03
8.40E+01	1.61E-03	9.31E-05	1.55E-03
8.40E+01	1.48E-03	1.75E-04	8.29E-04
8.40E+01	1.40E-03	2.62E-04	1.19E-04
8.40E+01	1.36E-03	3.52E-04	-3.64E-04
8.40E+01	1.35E-03	4.18E-04	-6.49E-04
8.40E+01	1.34E-03	4.59E-04	-7.89E-04
8.40E+01	1.34E-03	4.95E-04	-8.26E-04
8.40E+01	1.38E-03	5.27E-04	-9.42E-04
8.40E+01	1.43E-03	5.21E-04	-1.17E-03
8.40E+01	1.49E-03	4.96E-04	-1.51E-03
8.40E+01	1.64E-03	4.78E-04	-1.84E-03
8.40E+01	1.84E-03	4.65E-04	-2.00E-03
8.40E+01	2.02E-03	3.65E-04	-2.19E-03
8.40E+01	2.12E-03	1.27E-04	-2.37E-03
8.40E+01	2.16E-03	-1.85E-04	-2.44E-03
8.40E+01	2.16E-03	-6.07E-04	-2.41E-03
8.40E+01	2.13E-03	-1.11E-03	-2.18E-03
8.41E+01	1.97E-03	-1.69E-03	-1.89E-03
8.41E+01	1.75E-03	-2.33E-03	-1.68E-03
8.41E+01	1.52E-03	-2.87E-03	-1.49E-03
8.41E+01	1.24E-03	-3.36E-03	-1.36E-03
8.41E+01	8.77E-04	-3.81E-03	-1.14E-03
8.41E+01	4.52E-04	-4.15E-03	-7.90E-04
8.41E+01	-4.77E-06	-4.46E-03	-4.40E-04
8.41E+01	-4.83E-04	-4.69E-03	-7.67E-05
8.41E+01	-1.02E-03	-4.91E-03	1.67E-04
8.41E+01	-1.55E-03	-5.11E-03	3.07E-04
8.41E+01	-2.07E-03	-5.19E-03	5.09E-04
8.41E+01	-2.63E-03	-5.23E-03	6.21E-04

8.41E+01	-3.22E-03	-5.19E-03	6.37E-04
8.41E+01	-3.86E-03	-5.04E-03	7.06E-04
8.41E+01	-4.43E-03	-4.82E-03	8.70E-04
8.41E+01	-4.85E-03	-4.49E-03	1.22E-03
8.41E+01	-5.18E-03	-4.16E-03	1.67E-03
8.41E+01	-5.32E-03	-3.84E-03	2.06E-03
8.41E+01	-5.26E-03	-3.50E-03	2.32E-03
8.41E+01	-4.97E-03	-3.17E-03	2.32E-03
8.42E+01	-4.44E-03	-2.86E-03	2.06E-03
8.42E+01	-3.81E-03	-2.59E-03	1.73E-03
8.42E+01	-3.03E-03	-2.33E-03	1.44E-03
8.42E+01	-2.18E-03	-2.07E-03	1.23E-03
8.42E+01	-1.42E-03	-1.85E-03	1.12E-03
8.42E+01	-7.76E-04	-1.68E-03	1.04E-03
8.42E+01	-2.50E-04	-1.48E-03	1.02E-03
8.42E+01	1.52E-04	-1.22E-03	1.01E-03
8.42E+01	4.01E-04	-9.33E-04	8.95E-04
8.42E+01	4.55E-04	-6.13E-04	7.61E-04
8.42E+01	3.85E-04	-2.80E-04	6.64E-04
8.42E+01	2.60E-04	5.82E-05	6.59E-04
8.42E+01	4.27E-05	3.68E-04	8.32E-04
8.42E+01	-2.17E-04	5.81E-04	1.06E-03
8.42E+01	-4.46E-04	6.62E-04	1.40E-03
8.42E+01	-6.22E-04	6.57E-04	1.83E-03
8.42E+01	-7.06E-04	6.24E-04	2.13E-03
8.42E+01	-7.80E-04	5.16E-04	2.28E-03
8.42E+01	-8.51E-04	3.65E-04	2.42E-03
8.42E+01	-8.57E-04	2.75E-04	2.64E-03
8.43E+01	-9.59E-04	1.96E-04	2.85E-03
8.43E+01	-1.25E-03	3.38E-05	2.80E-03
8.43E+01	-1.61E-03	-1.56E-04	2.56E-03
8.43E+01	-1.99E-03	-3.46E-04	2.21E-03
8.43E+01	-2.36E-03	-5.30E-04	1.79E-03
8.43E+01	-2.70E-03	-6.81E-04	1.48E-03
8.43E+01	-2.92E-03	-7.81E-04	1.19E-03
8.43E+01	-2.99E-03	-8.51E-04	9.91E-04
8.43E+01	-2.96E-03	-8.97E-04	9.24E-04
8.43E+01	-2.91E-03	-9.22E-04	7.97E-04
8.43E+01	-2.81E-03	-1.02E-03	6.06E-04
8.43E+01	-2.64E-03	-1.04E-03	4.43E-04
8.43E+01	-2.47E-03	-1.04E-03	2.63E-04
8.43E+01	-2.29E-03	-1.19E-03	-3.43E-06
8.43E+01	-2.07E-03	-1.23E-03	-1.50E-04
8.43E+01	-1.85E-03	-1.16E-03	-7.74E-05
8.43E+01	-1.70E-03	-1.09E-03	9.65E-05
8.43E+01	-1.67E-03	-1.03E-03	2.95E-04
8.43E+01	-1.75E-03	-1.03E-03	4.77E-04

8.43E+01	-1.96E-03	-1.04E-03	7.12E-04
8.44E+01	-2.24E-03	-1.07E-03	8.91E-04
8.44E+01	-2.56E-03	-1.09E-03	1.04E-03
8.44E+01	-2.83E-03	-1.01E-03	1.38E-03
8.44E+01	-2.93E-03	-9.18E-04	1.89E-03
8.44E+01	-2.89E-03	-7.60E-04	2.46E-03
8.44E+01	-2.71E-03	-5.99E-04	2.90E-03
8.44E+01	-2.40E-03	-5.25E-04	3.10E-03
8.44E+01	-2.00E-03	-4.68E-04	3.10E-03
8.44E+01	-1.57E-03	-4.96E-04	2.81E-03
8.44E+01	-1.16E-03	-6.16E-04	2.39E-03
8.44E+01	-8.41E-04	-7.38E-04	2.02E-03
8.44E+01	-6.28E-04	-8.04E-04	1.71E-03
8.44E+01	-5.13E-04	-7.42E-04	1.53E-03
8.44E+01	-5.36E-04	-5.76E-04	1.46E-03
8.44E+01	-6.53E-04	-3.28E-04	1.55E-03
8.44E+01	-8.19E-04	1.72E-05	1.78E-03
8.44E+01	-1.00E-03	4.07E-04	1.89E-03
8.44E+01	-1.22E-03	7.92E-04	1.71E-03
8.44E+01	-1.47E-03	1.17E-03	1.46E-03
8.44E+01	-1.66E-03	1.55E-03	1.26E-03
8.45E+01	-1.77E-03	1.87E-03	1.09E-03
8.45E+01	-1.86E-03	2.09E-03	8.37E-04
8.45E+01	-1.96E-03	2.21E-03	4.94E-04
8.45E+01	-2.04E-03	2.29E-03	2.13E-04
8.45E+01	-2.12E-03	2.37E-03	2.92E-05
8.45E+01	-2.24E-03	2.42E-03	-1.10E-04
8.45E+01	-2.43E-03	2.50E-03	-1.51E-04
8.45E+01	-2.64E-03	2.62E-03	-1.05E-04
8.45E+01	-2.81E-03	2.73E-03	3.43E-06
8.45E+01	-3.00E-03	2.79E-03	1.71E-04
8.45E+01	-3.19E-03	2.73E-03	3.09E-04
8.45E+01	-3.31E-03	2.58E-03	4.52E-04
8.45E+01	-3.32E-03	2.35E-03	6.22E-04
8.45E+01	-3.22E-03	1.98E-03	7.66E-04
8.45E+01	-3.04E-03	1.50E-03	9.70E-04
8.45E+01	-2.76E-03	1.01E-03	1.30E-03
8.45E+01	-2.39E-03	5.46E-04	1.73E-03
8.45E+01	-2.04E-03	1.15E-04	2.14E-03
8.45E+01	-1.78E-03	-3.03E-04	2.30E-03
8.45E+01	-1.61E-03	-6.54E-04	2.25E-03
8.46E+01	-1.49E-03	-8.62E-04	2.04E-03
8.46E+01	-1.44E-03	-9.92E-04	1.66E-03
8.46E+01	-1.50E-03	-1.04E-03	1.23E-03
8.46E+01	-1.63E-03	-9.71E-04	8.66E-04
8.46E+01	-1.83E-03	-8.64E-04	5.56E-04
8.46E+01	-2.09E-03	-7.25E-04	3.20E-04

8.46E+01	-2.37E-03	-6.04E-04	1.87E-04
8.46E+01	-2.62E-03	-5.46E-04	2.40E-04
8.46E+01	-2.80E-03	-4.89E-04	5.17E-04
8.46E+01	-2.92E-03	-4.71E-04	8.04E-04
8.46E+01	-3.01E-03	-4.78E-04	1.03E-03
8.46E+01	-3.04E-03	-4.09E-04	1.27E-03
8.46E+01	-2.97E-03	-2.63E-04	1.41E-03
8.46E+01	-2.85E-03	-8.05E-05	1.38E-03
8.46E+01	-2.74E-03	8.20E-05	1.20E-03
8.46E+01	-2.61E-03	2.20E-04	1.05E-03
8.46E+01	-2.49E-03	3.71E-04	1.05E-03
8.46E+01	-2.37E-03	4.44E-04	1.17E-03
8.46E+01	-2.33E-03	3.96E-04	1.33E-03
8.46E+01	-2.39E-03	2.78E-04	1.51E-03
8.47E+01	-2.50E-03	8.58E-05	1.67E-03
8.47E+01	-2.67E-03	-1.20E-04	1.75E-03
8.47E+01	-2.86E-03	-3.21E-04	1.82E-03
8.47E+01	-3.06E-03	-5.08E-04	1.94E-03
8.47E+01	-3.19E-03	-6.21E-04	2.09E-03
8.47E+01	-3.23E-03	-7.47E-04	2.20E-03
8.47E+01	-3.21E-03	-8.96E-04	2.22E-03
8.47E+01	-3.14E-03	-1.04E-03	2.20E-03
8.47E+01	-3.05E-03	-1.21E-03	2.10E-03
8.47E+01	-2.89E-03	-1.34E-03	1.86E-03
8.47E+01	-2.74E-03	-1.45E-03	1.54E-03
8.47E+01	-2.65E-03	-1.53E-03	1.18E-03
8.47E+01	-2.53E-03	-1.52E-03	8.60E-04
8.47E+01	-2.45E-03	-1.50E-03	5.59E-04
8.47E+01	-2.45E-03	-1.50E-03	2.27E-04
8.47E+01	-2.58E-03	-1.53E-03	-6.48E-05
8.47E+01	-2.79E-03	-1.56E-03	-3.81E-04
8.47E+01	-3.05E-03	-1.57E-03	-8.19E-04
8.47E+01	-3.37E-03	-1.54E-03	-1.35E-03
8.47E+01	-3.67E-03	-1.46E-03	-1.97E-03
8.48E+01	-3.88E-03	-1.32E-03	-2.48E-03
8.48E+01	-4.00E-03	-1.11E-03	-2.75E-03
8.48E+01	-4.05E-03	-9.03E-04	-2.82E-03
8.48E+01	-4.09E-03	-7.19E-04	-2.65E-03
8.48E+01	-4.09E-03	-5.52E-04	-2.34E-03
8.48E+01	-4.02E-03	-4.52E-04	-1.93E-03
8.48E+01	-3.96E-03	-4.40E-04	-1.44E-03
8.48E+01	-3.92E-03	-4.99E-04	-9.89E-04
8.48E+01	-3.85E-03	-5.73E-04	-6.20E-04
8.48E+01	-3.73E-03	-6.09E-04	-3.37E-04
8.48E+01	-3.57E-03	-6.20E-04	-1.49E-04
8.48E+01	-3.36E-03	-6.15E-04	9.25E-05
8.48E+01	-3.09E-03	-5.92E-04	4.37E-04

8.48E+01	-2.74E-03	-5.59E-04	7.79E-04
8.48E+01	-2.41E-03	-5.67E-04	9.95E-04
8.48E+01	-2.13E-03	-6.47E-04	9.95E-04
8.48E+01	-1.86E-03	-7.43E-04	8.53E-04
8.48E+01	-1.60E-03	-8.17E-04	6.10E-04
8.48E+01	-1.40E-03	-8.71E-04	1.81E-04
8.48E+01	-1.29E-03	-8.76E-04	-3.33E-04
8.49E+01	-1.26E-03	-8.03E-04	-7.18E-04
8.49E+01	-1.25E-03	-6.70E-04	-8.99E-04
8.49E+01	-1.31E-03	-5.50E-04	-9.08E-04
8.49E+01	-1.44E-03	-4.95E-04	-8.89E-04
8.49E+01	-1.58E-03	-5.16E-04	-8.99E-04
8.49E+01	-1.67E-03	-5.84E-04	-8.81E-04
8.49E+01	-1.69E-03	-6.66E-04	-8.64E-04
8.49E+01	-1.61E-03	-7.48E-04	-7.99E-04
8.49E+01	-1.42E-03	-7.72E-04	-6.22E-04
8.49E+01	-1.12E-03	-7.13E-04	-3.41E-04
8.49E+01	-7.62E-04	-6.09E-04	-3.03E-05
8.49E+01	-4.70E-04	-5.20E-04	1.27E-04
8.49E+01	-2.27E-04	-4.56E-04	1.63E-04
8.49E+01	-1.60E-05	-3.62E-04	2.52E-04
8.49E+01	1.48E-04	-2.38E-04	3.81E-04
8.49E+01	2.29E-04	-1.03E-04	5.03E-04
8.49E+01	1.96E-04	8.60E-05	6.24E-04
8.49E+01	1.21E-04	3.72E-04	7.53E-04
8.49E+01	-1.26E-05	7.51E-04	8.92E-04
8.49E+01	-2.65E-04	1.14E-03	9.84E-04
8.50E+01	-5.92E-04	1.50E-03	1.03E-03
8.50E+01	-9.51E-04	1.85E-03	1.14E-03
8.50E+01	-1.33E-03	2.16E-03	1.22E-03
8.50E+01	-1.73E-03	2.36E-03	1.17E-03
8.50E+01	-2.15E-03	2.45E-03	1.10E-03
8.50E+01	-2.54E-03	2.49E-03	1.13E-03
8.50E+01	-2.91E-03	2.43E-03	1.27E-03
8.50E+01	-3.35E-03	2.21E-03	1.32E-03
8.50E+01	-3.81E-03	1.86E-03	1.22E-03
8.50E+01	-4.21E-03	1.48E-03	1.13E-03
8.50E+01	-4.52E-03	1.10E-03	1.10E-03
8.50E+01	-4.76E-03	7.07E-04	1.10E-03
8.50E+01	-4.96E-03	3.19E-04	1.07E-03
8.50E+01	-5.03E-03	7.06E-06	9.14E-04
8.50E+01	-4.97E-03	-2.34E-04	6.43E-04
8.50E+01	-4.83E-03	-4.15E-04	3.94E-04
8.50E+01	-4.60E-03	-5.63E-04	2.44E-04
8.50E+01	-4.28E-03	-7.06E-04	2.58E-04
8.50E+01	-3.85E-03	-8.56E-04	3.91E-04
8.50E+01	-3.39E-03	-1.06E-03	5.49E-04

8.51E+01	-2.94E-03	-1.36E-03	7.87E-04
8.51E+01	-2.50E-03	-1.74E-03	1.12E-03
8.51E+01	-2.06E-03	-2.14E-03	1.43E-03
8.51E+01	-1.69E-03	-2.55E-03	1.63E-03
8.51E+01	-1.44E-03	-2.98E-03	1.77E-03
8.51E+01	-1.23E-03	-3.34E-03	1.88E-03
8.51E+01	-1.04E-03	-3.59E-03	1.95E-03
8.51E+01	-9.00E-04	-3.72E-03	1.90E-03
8.51E+01	-8.23E-04	-3.67E-03	1.71E-03
8.51E+01	-7.73E-04	-3.48E-03	1.42E-03
8.51E+01	-6.97E-04	-3.16E-03	1.10E-03
8.51E+01	-6.47E-04	-2.76E-03	8.46E-04
8.51E+01	-6.43E-04	-2.38E-03	5.91E-04
8.51E+01	-6.50E-04	-2.07E-03	3.06E-04
8.51E+01	-6.79E-04	-1.83E-03	7.06E-05
8.51E+01	-7.70E-04	-1.74E-03	-2.30E-04
8.51E+01	-9.30E-04	-1.77E-03	-6.37E-04
8.51E+01	-1.10E-03	-1.81E-03	-1.09E-03
8.51E+01	-1.20E-03	-1.83E-03	-1.61E-03
8.51E+01	-1.29E-03	-1.81E-03	-2.14E-03
8.52E+01	-1.39E-03	-1.82E-03	-2.65E-03
8.52E+01	-1.42E-03	-1.84E-03	-2.90E-03
8.52E+01	-1.42E-03	-1.84E-03	-2.79E-03
8.52E+01	-1.44E-03	-1.92E-03	-2.55E-03
8.52E+01	-1.49E-03	-2.08E-03	-2.14E-03
8.52E+01	-1.64E-03	-2.26E-03	-1.58E-03
8.52E+01	-1.85E-03	-2.48E-03	-1.13E-03
8.52E+01	-2.12E-03	-2.67E-03	-8.31E-04
8.52E+01	-2.50E-03	-2.85E-03	-6.77E-04
8.52E+01	-2.93E-03	-2.99E-03	-6.84E-04
8.52E+01	-3.36E-03	-3.04E-03	-6.07E-04
8.52E+01	-3.71E-03	-3.06E-03	-3.96E-04
8.52E+01	-3.96E-03	-2.97E-03	-1.32E-04
8.52E+01	-4.17E-03	-2.87E-03	1.63E-04
8.52E+01	-4.23E-03	-2.74E-03	3.41E-04
8.52E+01	-4.10E-03	-2.54E-03	4.00E-04
8.52E+01	-3.86E-03	-2.33E-03	4.21E-04
8.52E+01	-3.50E-03	-2.04E-03	3.90E-04
8.52E+01	-3.04E-03	-1.70E-03	3.33E-04
8.52E+01	-2.47E-03	-1.32E-03	2.76E-04
8.53E+01	-1.87E-03	-9.04E-04	1.89E-04
8.53E+01	-1.37E-03	-5.84E-04	-3.62E-05
8.53E+01	-9.03E-04	-3.18E-04	-4.80E-04
8.53E+01	-4.72E-04	-1.26E-04	-9.79E-04
8.53E+01	-1.62E-04	-3.78E-05	-1.38E-03
8.53E+01	2.86E-05	-1.62E-05	-1.65E-03
8.53E+01	1.07E-04	-6.20E-05	-1.68E-03

8.53E+01	1.40E-04	-6.58E-05	-1.53E-03
8.53E+01	1.31E-04	-3.95E-05	-1.35E-03
8.53E+01	4.77E-06	-2.59E-05	-1.13E-03
8.53E+01	-1.30E-04	4.23E-05	-1.01E-03
8.53E+01	-2.04E-04	1.33E-04	-1.02E-03
8.53E+01	-2.90E-04	2.50E-04	-1.03E-03
8.53E+01	-3.37E-04	3.73E-04	-9.57E-04
8.53E+01	-3.05E-04	4.61E-04	-6.53E-04
8.53E+01	-2.35E-04	5.22E-04	-1.04E-04
8.53E+01	-1.79E-04	5.21E-04	5.63E-04
8.53E+01	-1.98E-04	4.79E-04	1.21E-03
8.53E+01	-2.07E-04	4.06E-04	1.73E-03
8.53E+01	-1.66E-04	3.18E-04	2.15E-03
8.54E+01	-1.21E-04	2.72E-04	2.42E-03
8.54E+01	-8.39E-06	2.90E-04	2.42E-03
8.54E+01	1.64E-04	3.90E-04	2.33E-03
8.54E+01	3.40E-04	5.25E-04	2.37E-03
8.54E+01	5.39E-04	6.44E-04	2.45E-03
8.54E+01	7.12E-04	7.24E-04	2.46E-03
8.54E+01	8.67E-04	7.58E-04	2.35E-03
8.54E+01	1.07E-03	7.81E-04	2.21E-03
8.54E+01	1.27E-03	7.50E-04	2.07E-03
8.54E+01	1.49E-03	6.91E-04	1.84E-03
8.54E+01	1.76E-03	6.99E-04	1.63E-03
8.54E+01	2.02E-03	7.80E-04	1.49E-03
8.54E+01	2.22E-03	8.75E-04	1.30E-03
8.54E+01	2.28E-03	9.30E-04	1.11E-03
8.54E+01	2.23E-03	9.77E-04	9.55E-04
8.54E+01	2.10E-03	1.01E-03	7.74E-04
8.54E+01	1.87E-03	1.03E-03	6.48E-04
8.54E+01	1.51E-03	1.05E-03	5.55E-04
8.54E+01	1.05E-03	1.11E-03	5.07E-04
8.54E+01	5.27E-04	1.20E-03	4.97E-04
8.55E+01	-3.43E-05	1.27E-03	4.12E-04
8.55E+01	-6.16E-04	1.30E-03	4.05E-04
8.55E+01	-1.20E-03	1.27E-03	5.37E-04
8.55E+01	-1.69E-03	1.19E-03	6.37E-04
8.55E+01	-2.07E-03	1.08E-03	6.80E-04
8.55E+01	-2.32E-03	9.56E-04	6.04E-04
8.55E+01	-2.37E-03	8.56E-04	4.58E-04
8.55E+01	-2.28E-03	8.33E-04	3.58E-04
8.55E+01	-2.04E-03	8.54E-04	2.08E-04
8.55E+01	-1.67E-03	8.99E-04	7.08E-05
8.55E+01	-1.24E-03	9.57E-04	-1.72E-06
8.55E+01	-7.15E-04	9.88E-04	-1.33E-04
8.55E+01	-9.75E-05	9.70E-04	-2.83E-04
8.55E+01	5.08E-04	8.68E-04	-4.09E-04

8.55E+01	1.10E-03	7.10E-04	-4.71E-04
8.55E+01	1.70E-03	5.64E-04	-4.25E-04
8.55E+01	2.32E-03	3.72E-04	-4.11E-04
8.55E+01	2.86E-03	1.16E-04	-4.39E-04
8.55E+01	3.30E-03	-1.73E-04	-4.24E-04
8.55E+01	3.66E-03	-5.07E-04	-3.85E-04
8.56E+01	3.96E-03	-8.48E-04	-2.50E-04
8.56E+01	4.16E-03	-1.18E-03	-3.38E-05
8.56E+01	4.27E-03	-1.49E-03	1.57E-04
8.56E+01	4.38E-03	-1.68E-03	3.88E-04
8.56E+01	4.52E-03	-1.75E-03	6.77E-04
8.56E+01	4.65E-03	-1.77E-03	8.63E-04
8.56E+01	4.75E-03	-1.72E-03	8.24E-04
8.56E+01	4.83E-03	-1.62E-03	5.91E-04
8.56E+01	4.94E-03	-1.52E-03	3.67E-04
8.56E+01	5.02E-03	-1.40E-03	2.89E-04
8.56E+01	5.06E-03	-1.32E-03	2.44E-04
8.56E+01	5.09E-03	-1.25E-03	2.30E-04
8.56E+01	5.11E-03	-1.11E-03	2.73E-04
8.56E+01	5.12E-03	-9.80E-04	2.50E-04
8.56E+01	5.09E-03	-8.27E-04	2.34E-04
8.56E+01	5.05E-03	-6.21E-04	2.73E-04
8.56E+01	5.02E-03	-3.79E-04	2.70E-04
8.56E+01	4.95E-03	-1.53E-04	1.82E-04
8.56E+01	4.81E-03	-5.02E-05	-5.25E-05
8.56E+01	4.69E-03	-4.12E-05	-3.25E-04
8.57E+01	4.59E-03	-7.61E-05	-5.36E-04
8.57E+01	4.52E-03	-1.66E-04	-6.92E-04
8.57E+01	4.49E-03	-2.52E-04	-6.32E-04
8.57E+01	4.50E-03	-3.17E-04	-3.47E-04
8.57E+01	4.62E-03	-3.49E-04	-1.81E-05
8.57E+01	4.74E-03	-3.63E-04	2.28E-04
8.57E+01	4.84E-03	-3.88E-04	3.34E-04
8.57E+01	4.99E-03	-3.54E-04	4.03E-04
8.57E+01	5.15E-03	-2.61E-04	4.08E-04
8.57E+01	5.35E-03	-1.63E-04	2.42E-04
8.57E+01	5.56E-03	-2.08E-05	4.65E-05
8.57E+01	5.76E-03	1.49E-04	-5.13E-05
8.57E+01	5.97E-03	2.97E-04	-3.17E-05
8.57E+01	6.09E-03	4.01E-04	3.17E-05
8.57E+01	6.11E-03	4.09E-04	-4.41E-05
8.57E+01	6.06E-03	3.67E-04	-2.65E-04
8.57E+01	5.98E-03	3.68E-04	-5.06E-04
8.57E+01	5.88E-03	4.12E-04	-7.27E-04
8.57E+01	5.77E-03	5.31E-04	-8.37E-04
8.57E+01	5.62E-03	7.27E-04	-8.26E-04
8.58E+01	5.44E-03	9.35E-04	-7.79E-04

8.58E+01	5.22E-03	1.14E-03	-6.21E-04
8.58E+01	4.90E-03	1.31E-03	-3.60E-04
8.58E+01	4.51E-03	1.42E-03	-8.07E-05
8.58E+01	4.12E-03	1.56E-03	1.72E-04
8.58E+01	3.73E-03	1.70E-03	2.22E-04
8.58E+01	3.34E-03	1.81E-03	8.77E-05
8.58E+01	2.91E-03	1.94E-03	-1.30E-05
8.58E+01	2.50E-03	2.05E-03	-9.80E-05
8.58E+01	2.12E-03	2.16E-03	-1.35E-04
8.58E+01	1.73E-03	2.27E-03	-3.89E-05
8.58E+01	1.39E-03	2.28E-03	3.41E-05
8.58E+01	1.11E-03	2.19E-03	2.25E-05
8.58E+01	9.37E-04	2.07E-03	-8.83E-05
8.58E+01	8.57E-04	1.90E-03	-3.95E-04
8.58E+01	8.67E-04	1.73E-03	-8.53E-04
8.58E+01	1.00E-03	1.62E-03	-1.39E-03
8.58E+01	1.26E-03	1.55E-03	-1.88E-03
8.58E+01	1.58E-03	1.52E-03	-2.16E-03
8.58E+01	1.94E-03	1.48E-03	-2.25E-03
8.59E+01	2.35E-03	1.43E-03	-2.15E-03
8.59E+01	2.76E-03	1.33E-03	-1.89E-03
8.59E+01	3.17E-03	1.19E-03	-1.62E-03
8.59E+01	3.52E-03	1.05E-03	-1.40E-03
8.59E+01	3.82E-03	9.98E-04	-1.17E-03
8.59E+01	4.08E-03	1.09E-03	-8.59E-04
8.59E+01	4.18E-03	1.28E-03	-5.68E-04
8.59E+01	4.15E-03	1.50E-03	-3.86E-04
8.59E+01	4.10E-03	1.68E-03	-2.09E-04
8.59E+01	4.02E-03	1.76E-03	-3.55E-05
8.59E+01	3.95E-03	1.66E-03	1.01E-04
8.59E+01	3.90E-03	1.37E-03	2.50E-04
8.59E+01	3.92E-03	9.44E-04	3.31E-04
8.59E+01	4.03E-03	4.29E-04	2.73E-04
8.59E+01	4.18E-03	-1.21E-04	7.59E-05
8.59E+01	4.35E-03	-6.50E-04	-2.27E-04
8.59E+01	4.57E-03	-1.08E-03	-5.75E-04
8.59E+01	4.86E-03	-1.40E-03	-1.03E-03
8.59E+01	5.23E-03	-1.66E-03	-1.61E-03
8.59E+01	5.58E-03	-1.86E-03	-2.08E-03
8.60E+01	5.91E-03	-1.98E-03	-2.27E-03
8.60E+01	6.27E-03	-2.03E-03	-2.21E-03
8.60E+01	6.54E-03	-2.09E-03	-2.10E-03
8.60E+01	6.70E-03	-2.20E-03	-1.99E-03
8.60E+01	6.81E-03	-2.32E-03	-1.87E-03
8.60E+01	6.87E-03	-2.44E-03	-1.74E-03
8.60E+01	6.86E-03	-2.54E-03	-1.65E-03
8.60E+01	6.76E-03	-2.62E-03	-1.54E-03

8.60E+01	6.58E-03	-2.62E-03	-1.28E-03
8.60E+01	6.37E-03	-2.56E-03	-8.95E-04
8.60E+01	6.11E-03	-2.43E-03	-4.10E-04
8.60E+01	5.76E-03	-2.31E-03	1.56E-05
8.60E+01	5.39E-03	-2.22E-03	3.42E-04
8.60E+01	5.04E-03	-2.08E-03	6.43E-04
8.60E+01	4.74E-03	-2.01E-03	7.90E-04
8.60E+01	4.48E-03	-2.04E-03	7.85E-04
8.60E+01	4.26E-03	-2.14E-03	7.60E-04
8.60E+01	4.13E-03	-2.29E-03	7.48E-04
8.60E+01	4.09E-03	-2.47E-03	7.65E-04
8.60E+01	4.07E-03	-2.74E-03	6.75E-04
8.61E+01	4.12E-03	-3.05E-03	4.16E-04
8.61E+01	4.26E-03	-3.33E-03	6.98E-05
8.61E+01	4.46E-03	-3.58E-03	-4.16E-04
8.61E+01	4.69E-03	-3.76E-03	-1.04E-03
8.61E+01	4.88E-03	-3.88E-03	-1.66E-03
8.61E+01	5.11E-03	-3.88E-03	-2.11E-03
8.61E+01	5.32E-03	-3.77E-03	-2.31E-03
8.61E+01	5.41E-03	-3.62E-03	-2.34E-03
8.61E+01	5.43E-03	-3.41E-03	-2.27E-03
8.61E+01	5.34E-03	-3.20E-03	-2.17E-03
8.61E+01	5.14E-03	-2.93E-03	-2.15E-03
8.61E+01	4.85E-03	-2.66E-03	-2.26E-03
8.61E+01	4.54E-03	-2.32E-03	-2.32E-03
8.61E+01	4.27E-03	-1.81E-03	-2.17E-03
8.61E+01	4.02E-03	-1.35E-03	-1.91E-03
8.61E+01	3.84E-03	-7.61E-04	-1.55E-03
8.61E+01	3.73E-03	-1.91E-04	-1.21E-03
8.61E+01	3.67E-03	2.09E-04	-8.83E-04
8.61E+01	3.72E-03	6.10E-04	-5.69E-04
8.61E+01	3.84E-03	8.47E-04	-4.67E-04
8.62E+01	3.92E-03	9.68E-04	-4.23E-04
8.62E+01	4.02E-03	1.08E-03	-3.57E-04
8.62E+01	4.16E-03	1.12E-03	-4.28E-04
8.62E+01	4.22E-03	1.06E-03	-5.04E-04
8.62E+01	4.18E-03	8.81E-04	-6.40E-04
8.62E+01	4.08E-03	6.64E-04	-9.19E-04
8.62E+01	3.92E-03	4.32E-04	-1.28E-03
8.62E+01	3.66E-03	1.62E-04	-1.73E-03
8.62E+01	3.39E-03	-2.27E-05	-2.16E-03
8.62E+01	3.18E-03	-1.48E-04	-2.56E-03
8.62E+01	3.01E-03	-2.46E-04	-2.74E-03
8.62E+01	2.87E-03	-2.33E-04	-2.52E-03
8.62E+01	2.70E-03	-2.65E-04	-2.17E-03
8.62E+01	2.52E-03	-3.36E-04	-1.78E-03
8.62E+01	2.37E-03	-3.66E-04	-1.34E-03

8.62E+01	2.15E-03	-4.55E-04	-1.02E-03
8.62E+01	1.86E-03	-5.55E-04	-7.80E-04
8.62E+01	1.52E-03	-5.82E-04	-5.70E-04
8.62E+01	1.16E-03	-5.16E-04	-3.66E-04
8.62E+01	7.29E-04	-3.67E-04	-9.96E-05
8.63E+01	1.63E-04	-1.76E-04	1.75E-04
8.63E+01	-4.65E-04	2.19E-05	4.42E-04
8.63E+01	-1.15E-03	2.58E-04	7.35E-04
8.63E+01	-1.87E-03	5.28E-04	9.31E-04
8.63E+01	-2.57E-03	7.43E-04	9.81E-04
8.63E+01	-3.25E-03	9.39E-04	9.61E-04
8.63E+01	-3.76E-03	1.14E-03	8.52E-04
8.63E+01	-4.14E-03	1.32E-03	5.97E-04
8.63E+01	-4.42E-03	1.44E-03	9.21E-05
8.63E+01	-4.52E-03	1.52E-03	-5.67E-04
8.63E+01	-4.43E-03	1.57E-03	-1.21E-03
8.63E+01	-4.21E-03	1.59E-03	-1.90E-03
8.63E+01	-3.86E-03	1.56E-03	-2.57E-03
8.63E+01	-3.40E-03	1.50E-03	-3.05E-03
8.63E+01	-2.83E-03	1.40E-03	-3.26E-03
8.63E+01	-2.20E-03	1.28E-03	-3.14E-03
8.63E+01	-1.65E-03	1.10E-03	-2.81E-03
8.63E+01	-1.16E-03	9.00E-04	-2.42E-03
8.63E+01	-7.76E-04	6.98E-04	-2.05E-03
8.63E+01	-5.05E-04	4.65E-04	-1.80E-03
8.64E+01	-3.19E-04	2.39E-04	-1.59E-03
8.64E+01	-2.65E-04	-4.58E-06	-1.33E-03
8.64E+01	-2.07E-04	-2.23E-04	-1.01E-03
8.64E+01	-1.52E-04	-4.55E-04	-6.22E-04
8.64E+01	-2.27E-04	-7.97E-04	-3.01E-04
8.64E+01	-3.19E-04	-1.19E-03	-1.21E-04
8.64E+01	-4.14E-04	-1.58E-03	-6.03E-05
8.64E+01	-5.50E-04	-1.93E-03	-1.61E-04
8.64E+01	-7.23E-04	-2.23E-03	-3.67E-04
8.64E+01	-9.12E-04	-2.43E-03	-6.92E-04
8.64E+01	-1.04E-03	-2.52E-03	-1.07E-03
8.64E+01	-1.10E-03	-2.54E-03	-1.26E-03
8.64E+01	-1.13E-03	-2.48E-03	-1.41E-03
8.64E+01	-1.11E-03	-2.47E-03	-1.68E-03
8.64E+01	-9.99E-04	-2.48E-03	-2.00E-03
8.64E+01	-8.25E-04	-2.41E-03	-2.25E-03
8.64E+01	-5.66E-04	-2.30E-03	-2.42E-03
8.64E+01	-2.36E-04	-2.17E-03	-2.55E-03
8.64E+01	1.46E-04	-1.95E-03	-2.61E-03
8.64E+01	5.94E-04	-1.65E-03	-2.48E-03
8.65E+01	9.72E-04	-1.34E-03	-2.23E-03
8.65E+01	1.28E-03	-1.04E-03	-1.98E-03

8.65E+01	1.58E-03	-7.66E-04	-1.72E-03
8.65E+01	1.79E-03	-5.08E-04	-1.49E-03
8.65E+01	1.89E-03	-3.25E-04	-1.30E-03
8.65E+01	1.83E-03	-2.34E-04	-1.15E-03
8.65E+01	1.65E-03	-1.78E-04	-1.04E-03
8.65E+01	1.36E-03	-1.16E-04	-9.17E-04
8.65E+01	9.02E-04	-6.07E-05	-7.73E-04
8.65E+01	3.49E-04	6.87E-06	-5.65E-04
8.65E+01	-2.53E-04	1.23E-04	-1.83E-04
8.65E+01	-8.79E-04	2.50E-04	2.46E-04
8.65E+01	-1.46E-03	3.93E-04	5.55E-04
8.65E+01	-2.03E-03	5.29E-04	7.76E-04
8.65E+01	-2.53E-03	6.87E-04	8.98E-04
8.65E+01	-2.88E-03	9.39E-04	9.12E-04
8.65E+01	-3.18E-03	1.18E-03	7.83E-04
8.65E+01	-3.32E-03	1.42E-03	4.90E-04
8.65E+01	-3.25E-03	1.68E-03	2.03E-04
8.65E+01	-3.08E-03	1.89E-03	3.57E-05
8.66E+01	-2.77E-03	2.07E-03	-1.27E-04
8.66E+01	-2.46E-03	2.11E-03	-3.04E-04
8.66E+01	-2.18E-03	2.11E-03	-4.71E-04
8.66E+01	-1.91E-03	2.10E-03	-7.32E-04
8.66E+01	-1.75E-03	1.97E-03	-9.68E-04
8.66E+01	-1.65E-03	1.96E-03	-1.11E-03
8.66E+01	-1.64E-03	1.93E-03	-1.23E-03
8.66E+01	-1.66E-03	1.89E-03	-1.19E-03
8.66E+01	-1.69E-03	1.90E-03	-9.87E-04
8.66E+01	-1.83E-03	1.73E-03	-7.13E-04
8.66E+01	-1.93E-03	1.60E-03	-4.82E-04
8.66E+01	-1.97E-03	1.53E-03	-2.99E-04
8.66E+01	-1.99E-03	1.39E-03	-8.32E-05
8.66E+01	-2.02E-03	1.23E-03	1.22E-05
8.66E+01	-1.97E-03	1.05E-03	-1.25E-04
8.66E+01	-1.84E-03	8.62E-04	-2.04E-04
8.66E+01	-1.68E-03	6.58E-04	1.72E-06
8.66E+01	-1.47E-03	4.14E-04	3.60E-04
8.66E+01	-1.25E-03	6.24E-05	7.50E-04
8.66E+01	-9.89E-04	-3.47E-04	1.12E-03
8.67E+01	-7.22E-04	-8.22E-04	1.41E-03
8.67E+01	-5.41E-04	-1.39E-03	1.49E-03
8.67E+01	-3.89E-04	-1.93E-03	1.34E-03
8.67E+01	-2.47E-04	-2.36E-03	1.11E-03
8.67E+01	-1.26E-04	-2.65E-03	7.36E-04
8.67E+01	-6.71E-05	-2.84E-03	2.53E-04
8.67E+01	-9.21E-05	-2.92E-03	-1.29E-04
8.67E+01	-1.42E-04	-2.94E-03	-3.58E-04
8.67E+01	-2.05E-04	-2.95E-03	-3.54E-04

8.67E+01	-3.60E-04	-3.01E-03	-1.49E-04
8.67E+01	-5.77E-04	-3.22E-03	1.46E-04
8.67E+01	-7.65E-04	-3.49E-03	5.41E-04
8.67E+01	-9.42E-04	-3.78E-03	8.57E-04
8.67E+01	-1.13E-03	-4.03E-03	9.56E-04
8.67E+01	-1.35E-03	-4.25E-03	8.87E-04
8.67E+01	-1.54E-03	-4.35E-03	7.10E-04
8.67E+01	-1.67E-03	-4.26E-03	5.33E-04
8.67E+01	-1.81E-03	-4.14E-03	3.27E-04
8.67E+01	-1.94E-03	-3.97E-03	9.99E-05
8.67E+01	-2.05E-03	-3.72E-03	1.85E-05
8.68E+01	-2.14E-03	-3.49E-03	4.41E-05
8.68E+01	-2.17E-03	-3.27E-03	1.17E-04
8.68E+01	-2.19E-03	-3.03E-03	2.65E-04
8.68E+01	-2.15E-03	-2.80E-03	4.94E-04
8.68E+01	-2.03E-03	-2.50E-03	7.60E-04
8.68E+01	-1.92E-03	-2.19E-03	8.33E-04
8.68E+01	-1.78E-03	-1.97E-03	7.55E-04
8.68E+01	-1.60E-03	-1.70E-03	7.79E-04
8.68E+01	-1.44E-03	-1.44E-03	7.66E-04
8.68E+01	-1.28E-03	-1.31E-03	6.09E-04
8.68E+01	-1.19E-03	-1.28E-03	4.77E-04
8.68E+01	-1.18E-03	-1.31E-03	3.75E-04
8.68E+01	-1.15E-03	-1.39E-03	2.29E-04
8.68E+01	-1.18E-03	-1.56E-03	9.19E-05
8.68E+01	-1.28E-03	-1.78E-03	-2.35E-05
8.68E+01	-1.37E-03	-1.99E-03	-1.09E-04
8.68E+01	-1.47E-03	-2.18E-03	-1.29E-04
8.68E+01	-1.54E-03	-2.34E-03	-1.37E-04
8.68E+01	-1.56E-03	-2.50E-03	-1.38E-04
8.68E+01	-1.55E-03	-2.71E-03	-1.15E-04
8.69E+01	-1.53E-03	-2.90E-03	-1.05E-05
8.69E+01	-1.51E-03	-3.02E-03	1.28E-04
8.69E+01	-1.55E-03	-3.11E-03	8.14E-05
8.69E+01	-1.69E-03	-3.18E-03	-5.70E-05
8.69E+01	-1.90E-03	-3.21E-03	-2.11E-04
8.69E+01	-2.15E-03	-3.22E-03	-4.50E-04
8.69E+01	-2.48E-03	-3.17E-03	-6.30E-04
8.69E+01	-2.86E-03	-3.07E-03	-7.44E-04
8.69E+01	-3.16E-03	-2.93E-03	-7.87E-04
8.69E+01	-3.41E-03	-2.76E-03	-6.24E-04
8.69E+01	-3.68E-03	-2.63E-03	-3.60E-04
8.69E+01	-3.90E-03	-2.55E-03	-6.81E-05
8.69E+01	-4.07E-03	-2.47E-03	3.32E-04
8.69E+01	-4.23E-03	-2.40E-03	6.94E-04
8.69E+01	-4.36E-03	-2.38E-03	9.63E-04
8.69E+01	-4.42E-03	-2.36E-03	1.22E-03

8.69E+01	-4.35E-03	-2.31E-03	1.48E-03
8.69E+01	-4.16E-03	-2.26E-03	1.74E-03
8.69E+01	-3.96E-03	-2.22E-03	1.82E-03
8.69E+01	-3.67E-03	-2.27E-03	1.79E-03
8.70E+01	-3.34E-03	-2.38E-03	1.85E-03
8.70E+01	-3.04E-03	-2.54E-03	1.80E-03
8.70E+01	-2.82E-03	-2.79E-03	1.59E-03
8.70E+01	-2.71E-03	-3.03E-03	1.34E-03
8.70E+01	-2.63E-03	-3.21E-03	1.07E-03
8.70E+01	-2.57E-03	-3.31E-03	7.93E-04
8.70E+01	-2.51E-03	-3.33E-03	4.70E-04
8.70E+01	-2.42E-03	-3.31E-03	1.15E-04
8.70E+01	-2.29E-03	-3.17E-03	-1.56E-04
8.70E+01	-2.11E-03	-3.03E-03	-3.80E-04
8.70E+01	-1.95E-03	-2.93E-03	-5.82E-04
8.70E+01	-1.82E-03	-2.82E-03	-6.89E-04
8.70E+01	-1.72E-03	-2.73E-03	-7.10E-04
8.70E+01	-1.67E-03	-2.60E-03	-6.76E-04
8.70E+01	-1.73E-03	-2.42E-03	-6.47E-04
8.70E+01	-1.86E-03	-2.23E-03	-6.20E-04
8.70E+01	-2.00E-03	-1.95E-03	-4.27E-04
8.70E+01	-2.18E-03	-1.58E-03	-8.16E-05
8.70E+01	-2.41E-03	-1.17E-03	2.50E-04
8.70E+01	-2.73E-03	-6.86E-04	5.71E-04
8.71E+01	-3.07E-03	-1.56E-04	8.74E-04
8.71E+01	-3.32E-03	4.71E-04	1.15E-03
8.71E+01	-3.57E-03	1.15E-03	1.41E-03
8.71E+01	-3.82E-03	1.73E-03	1.58E-03
8.71E+01	-3.96E-03	2.34E-03	1.71E-03
8.71E+01	-4.01E-03	2.92E-03	1.77E-03
8.71E+01	-4.01E-03	3.43E-03	1.71E-03
8.71E+01	-3.98E-03	3.97E-03	1.62E-03
8.71E+01	-3.91E-03	4.47E-03	1.48E-03
8.71E+01	-3.74E-03	4.96E-03	1.33E-03
8.71E+01	-3.56E-03	5.45E-03	1.19E-03
8.71E+01	-3.38E-03	5.84E-03	1.06E-03
8.71E+01	-3.15E-03	6.12E-03	1.02E-03
8.71E+01	-2.92E-03	6.27E-03	1.07E-03
8.71E+01	-2.71E-03	6.20E-03	1.14E-03
8.71E+01	-2.62E-03	5.95E-03	1.18E-03
8.71E+01	-2.64E-03	5.58E-03	1.12E-03
8.71E+01	-2.65E-03	5.11E-03	1.01E-03
8.71E+01	-2.70E-03	4.62E-03	9.43E-04
8.71E+01	-2.80E-03	4.12E-03	8.24E-04
8.72E+01	-2.92E-03	3.63E-03	5.95E-04
8.72E+01	-3.09E-03	3.18E-03	3.28E-04
8.72E+01	-3.26E-03	2.75E-03	4.14E-05

8.72E+01	-3.47E-03	2.33E-03	-1.85E-04
8.72E+01	-3.68E-03	1.93E-03	-2.47E-04
8.72E+01	-3.85E-03	1.54E-03	-1.45E-04
8.72E+01	-4.03E-03	1.20E-03	7.86E-05
8.72E+01	-4.25E-03	8.56E-04	3.15E-04
8.72E+01	-4.43E-03	5.54E-04	5.42E-04
8.72E+01	-4.57E-03	3.17E-04	8.10E-04
8.72E+01	-4.66E-03	8.41E-05	1.01E-03
8.72E+01	-4.74E-03	-1.02E-04	1.14E-03
8.72E+01	-4.78E-03	-2.22E-04	1.20E-03
8.72E+01	-4.70E-03	-2.60E-04	1.21E-03
8.72E+01	-4.51E-03	-1.56E-04	1.36E-03
8.72E+01	-4.24E-03	1.32E-05	1.53E-03
8.72E+01	-3.89E-03	2.15E-04	1.64E-03
8.72E+01	-3.53E-03	4.65E-04	1.63E-03
8.72E+01	-3.21E-03	6.88E-04	1.39E-03
8.72E+01	-2.94E-03	8.57E-04	9.68E-04
8.73E+01	-2.76E-03	9.94E-04	5.73E-04
8.73E+01	-2.61E-03	1.12E-03	2.96E-04
8.73E+01	-2.53E-03	1.24E-03	1.44E-04
8.73E+01	-2.55E-03	1.34E-03	2.82E-05
8.73E+01	-2.59E-03	1.43E-03	-4.52E-05
8.73E+01	-2.60E-03	1.58E-03	5.89E-05
8.73E+01	-2.59E-03	1.75E-03	2.68E-04
8.73E+01	-2.57E-03	1.94E-03	4.58E-04
8.73E+01	-2.54E-03	2.13E-03	6.34E-04
8.73E+01	-2.42E-03	2.34E-03	8.32E-04
8.73E+01	-2.22E-03	2.58E-03	1.10E-03
8.73E+01	-2.02E-03	2.81E-03	1.40E-03
8.73E+01	-1.79E-03	2.99E-03	1.75E-03
8.73E+01	-1.56E-03	3.15E-03	2.16E-03
8.73E+01	-1.36E-03	3.26E-03	2.53E-03
8.73E+01	-1.19E-03	3.29E-03	2.81E-03
8.73E+01	-1.10E-03	3.30E-03	3.05E-03
8.73E+01	-1.04E-03	3.32E-03	3.29E-03
8.73E+01	-9.67E-04	3.38E-03	3.50E-03
8.73E+01	-9.45E-04	3.46E-03	3.57E-03
8.74E+01	-9.35E-04	3.53E-03	3.38E-03
8.74E+01	-8.68E-04	3.62E-03	3.01E-03
8.74E+01	-7.35E-04	3.75E-03	2.56E-03
8.74E+01	-5.46E-04	3.84E-03	2.05E-03
8.74E+01	-3.36E-04	3.92E-03	1.55E-03
8.74E+01	-6.71E-05	4.01E-03	1.13E-03
8.74E+01	2.67E-04	4.10E-03	8.06E-04
8.74E+01	5.91E-04	4.19E-03	5.55E-04
8.74E+01	8.67E-04	4.26E-03	2.38E-04
8.74E+01	1.11E-03	4.32E-03	-9.44E-05

8.74E+01	1.37E-03	4.40E-03	-3.34E-04
8.74E+01	1.60E-03	4.45E-03	-4.95E-04
8.74E+01	1.76E-03	4.43E-03	-5.53E-04
8.74E+01	1.92E-03	4.35E-03	-4.81E-04
8.74E+01	2.10E-03	4.19E-03	-2.81E-04
8.74E+01	2.24E-03	3.90E-03	9.35E-06
8.74E+01	2.33E-03	3.48E-03	2.94E-04
8.74E+01	2.40E-03	2.97E-03	5.68E-04
8.74E+01	2.45E-03	2.45E-03	8.45E-04
8.74E+01	2.44E-03	1.95E-03	1.09E-03
8.75E+01	2.34E-03	1.48E-03	1.40E-03
8.75E+01	2.16E-03	1.08E-03	1.79E-03
8.75E+01	1.95E-03	7.64E-04	2.21E-03
8.75E+01	1.65E-03	5.02E-04	2.57E-03
8.75E+01	1.22E-03	2.66E-04	2.75E-03
8.75E+01	7.41E-04	7.65E-05	2.76E-03
8.75E+01	2.42E-04	-2.10E-06	2.67E-03
8.75E+01	-2.91E-04	-1.83E-05	2.44E-03
8.75E+01	-8.56E-04	1.49E-05	2.16E-03
8.75E+01	-1.45E-03	8.96E-05	1.92E-03
8.75E+01	-2.08E-03	1.05E-04	1.69E-03
8.75E+01	-2.73E-03	7.97E-05	1.40E-03
8.75E+01	-3.43E-03	-4.25E-05	9.80E-04
8.75E+01	-4.13E-03	-2.30E-04	6.17E-04
8.75E+01	-4.74E-03	-3.72E-04	4.27E-04
8.75E+01	-5.25E-03	-5.13E-04	3.81E-04
8.75E+01	-5.68E-03	-5.77E-04	4.97E-04
8.75E+01	-6.04E-03	-5.38E-04	7.34E-04
8.75E+01	-6.28E-03	-3.97E-04	9.46E-04
8.75E+01	-6.34E-03	-1.57E-04	1.02E-03
8.76E+01	-6.29E-03	1.15E-04	1.05E-03
8.76E+01	-6.13E-03	4.66E-04	1.21E-03
8.76E+01	-5.83E-03	8.85E-04	1.57E-03
8.76E+01	-5.45E-03	1.32E-03	2.02E-03
8.76E+01	-5.03E-03	1.69E-03	2.44E-03
8.76E+01	-4.67E-03	1.97E-03	2.81E-03
8.76E+01	-4.35E-03	2.22E-03	3.10E-03
8.76E+01	-4.05E-03	2.44E-03	3.21E-03
8.76E+01	-3.83E-03	2.62E-03	3.11E-03
8.76E+01	-3.64E-03	2.85E-03	2.95E-03
8.76E+01	-3.42E-03	3.16E-03	2.85E-03
8.76E+01	-3.18E-03	3.45E-03	2.72E-03
8.76E+01	-2.97E-03	3.69E-03	2.52E-03
8.76E+01	-2.78E-03	3.90E-03	2.31E-03
8.76E+01	-2.56E-03	3.99E-03	2.03E-03
8.76E+01	-2.32E-03	4.00E-03	1.66E-03
8.76E+01	-2.10E-03	3.99E-03	1.13E-03

8.76E+01	-1.87E-03	3.92E-03	3.69E-04
8.76E+01	-1.56E-03	3.90E-03	-4.18E-04
8.76E+01	-1.23E-03	3.86E-03	-1.13E-03
8.77E+01	-9.14E-04	3.72E-03	-1.72E-03
8.77E+01	-6.34E-04	3.52E-03	-2.11E-03
8.77E+01	-4.29E-04	3.19E-03	-2.30E-03
8.77E+01	-2.49E-04	2.81E-03	-2.34E-03
8.77E+01	-1.59E-04	2.40E-03	-2.33E-03
8.77E+01	-1.44E-04	1.96E-03	-2.30E-03
8.77E+01	-1.13E-04	1.58E-03	-2.14E-03
8.77E+01	-7.76E-05	1.30E-03	-1.86E-03
8.77E+01	-2.35E-05	1.15E-03	-1.56E-03
8.77E+01	4.77E-06	1.10E-03	-1.23E-03
8.77E+01	7.34E-05	1.17E-03	-8.87E-04
8.77E+01	2.38E-04	1.30E-03	-6.47E-04
8.77E+01	4.20E-04	1.40E-03	-5.15E-04
8.77E+01	6.34E-04	1.45E-03	-5.19E-04
8.77E+01	8.81E-04	1.49E-03	-5.04E-04
8.77E+01	1.16E-03	1.46E-03	-3.44E-04
8.77E+01	1.44E-03	1.33E-03	-2.25E-04
8.77E+01	1.67E-03	1.09E-03	-1.84E-04
8.77E+01	1.82E-03	7.57E-04	-6.22E-05
8.77E+01	1.90E-03	3.62E-04	1.46E-04
8.78E+01	1.90E-03	-1.19E-04	2.68E-04
8.78E+01	1.82E-03	-6.98E-04	2.45E-04
8.78E+01	1.67E-03	-1.29E-03	2.08E-04
8.78E+01	1.48E-03	-1.80E-03	2.16E-04
8.78E+01	1.27E-03	-2.19E-03	2.19E-04
8.78E+01	9.90E-04	-2.52E-03	2.44E-04
8.78E+01	7.25E-04	-2.71E-03	3.86E-04
8.78E+01	5.08E-04	-2.79E-03	6.54E-04
8.78E+01	2.68E-04	-2.86E-03	9.79E-04
8.78E+01	-7.44E-06	-2.93E-03	1.23E-03
8.78E+01	-3.14E-04	-3.03E-03	1.40E-03
8.78E+01	-6.28E-04	-3.08E-03	1.55E-03
8.78E+01	-9.17E-04	-3.03E-03	1.63E-03
8.78E+01	-1.22E-03	-2.97E-03	1.61E-03
8.78E+01	-1.51E-03	-2.82E-03	1.56E-03
8.78E+01	-1.78E-03	-2.57E-03	1.48E-03
8.78E+01	-2.07E-03	-2.27E-03	1.45E-03
8.78E+01	-2.39E-03	-1.95E-03	1.36E-03
8.78E+01	-2.73E-03	-1.67E-03	1.09E-03
8.78E+01	-3.05E-03	-1.38E-03	6.59E-04
8.79E+01	-3.38E-03	-1.15E-03	1.16E-04
8.79E+01	-3.72E-03	-9.66E-04	-3.88E-04
8.79E+01	-4.04E-03	-6.69E-04	-7.87E-04
8.79E+01	-4.24E-03	-3.23E-04	-1.14E-03

8.79E+01	-4.29E-03	9.27E-05	-1.37E-03
8.79E+01	-4.24E-03	4.50E-04	-1.49E-03
8.79E+01	-4.11E-03	7.38E-04	-1.50E-03
8.79E+01	-3.89E-03	9.90E-04	-1.36E-03
8.79E+01	-3.57E-03	1.10E-03	-1.12E-03
8.79E+01	-3.20E-03	1.19E-03	-8.42E-04
8.79E+01	-2.87E-03	1.20E-03	-6.43E-04
8.79E+01	-2.53E-03	1.14E-03	-6.32E-04
8.79E+01	-2.18E-03	1.17E-03	-6.05E-04
8.79E+01	-1.88E-03	1.29E-03	-4.91E-04
8.79E+01	-1.63E-03	1.43E-03	-3.78E-04
8.79E+01	-1.45E-03	1.56E-03	-9.82E-05
8.79E+01	-1.34E-03	1.70E-03	3.33E-04
8.79E+01	-1.35E-03	1.82E-03	7.10E-04
8.79E+01	-1.47E-03	1.94E-03	1.05E-03
8.79E+01	-1.71E-03	2.02E-03	1.28E-03
8.80E+01	-2.01E-03	2.05E-03	1.38E-03
8.80E+01	-2.33E-03	2.05E-03	1.47E-03
8.80E+01	-2.65E-03	2.00E-03	1.46E-03
8.80E+01	-2.88E-03	1.95E-03	1.27E-03
8.80E+01	-2.99E-03	1.88E-03	9.76E-04
8.80E+01	-2.97E-03	1.69E-03	5.98E-04
8.80E+01	-2.80E-03	1.49E-03	2.26E-04
8.80E+01	-2.52E-03	1.19E-03	-1.46E-04
8.80E+01	-2.13E-03	8.00E-04	-5.23E-04
8.80E+01	-1.68E-03	4.36E-04	-9.49E-04
8.80E+01	-1.24E-03	-6.10E-06	-1.51E-03
8.80E+01	-7.72E-04	-4.60E-04	-2.00E-03
8.80E+01	-3.38E-04	-8.48E-04	-2.30E-03
8.80E+01	2.46E-05	-1.20E-03	-2.63E-03
8.80E+01	3.13E-04	-1.46E-03	-2.93E-03
8.80E+01	5.60E-04	-1.62E-03	-3.03E-03
8.80E+01	8.35E-04	-1.65E-03	-3.01E-03
8.80E+01	1.09E-03	-1.64E-03	-2.91E-03
8.80E+01	1.31E-03	-1.62E-03	-2.73E-03
8.80E+01	1.53E-03	-1.54E-03	-2.41E-03
8.81E+01	1.75E-03	-1.45E-03	-1.97E-03
8.81E+01	1.97E-03	-1.35E-03	-1.51E-03
8.81E+01	2.17E-03	-1.22E-03	-1.01E-03
8.81E+01	2.36E-03	-1.09E-03	-5.54E-04
8.81E+01	2.58E-03	-9.56E-04	-1.90E-04
8.81E+01	2.77E-03	-8.54E-04	1.85E-04
8.81E+01	2.92E-03	-8.43E-04	4.68E-04
8.81E+01	3.00E-03	-8.92E-04	6.45E-04
8.81E+01	3.02E-03	-9.73E-04	7.84E-04
8.81E+01	2.96E-03	-1.16E-03	6.85E-04
8.81E+01	2.81E-03	-1.41E-03	3.67E-04

8.81E+01	2.60E-03	-1.61E-03	-3.83E-05
8.81E+01	2.48E-03	-1.73E-03	-5.17E-04
8.81E+01	2.40E-03	-1.67E-03	-9.25E-04
8.81E+01	2.33E-03	-1.52E-03	-1.30E-03
8.81E+01	2.30E-03	-1.28E-03	-1.61E-03
8.81E+01	2.32E-03	-9.16E-04	-1.69E-03
8.81E+01	2.36E-03	-5.57E-04	-1.72E-03
8.81E+01	2.34E-03	-2.99E-04	-1.83E-03
8.81E+01	2.26E-03	-1.57E-04	-1.97E-03
8.82E+01	2.20E-03	-1.09E-04	-2.10E-03
8.82E+01	2.19E-03	-6.26E-05	-2.01E-03
8.82E+01	2.15E-03	-7.32E-05	-1.74E-03
8.82E+01	2.13E-03	-1.61E-04	-1.35E-03
8.82E+01	2.17E-03	-2.29E-04	-8.14E-04
8.82E+01	2.21E-03	-3.42E-04	-2.43E-04
8.82E+01	2.21E-03	-5.33E-04	2.24E-04
8.82E+01	2.15E-03	-7.79E-04	5.59E-04
8.82E+01	2.11E-03	-1.06E-03	7.57E-04
8.82E+01	2.11E-03	-1.31E-03	8.67E-04
8.82E+01	2.08E-03	-1.57E-03	8.76E-04
8.82E+01	2.10E-03	-1.79E-03	7.68E-04
8.82E+01	2.19E-03	-1.93E-03	6.62E-04
8.82E+01	2.36E-03	-2.04E-03	5.27E-04
8.82E+01	2.59E-03	-2.17E-03	2.70E-04
8.82E+01	2.80E-03	-2.32E-03	-3.36E-05
8.82E+01	3.04E-03	-2.47E-03	-3.93E-04
8.82E+01	3.30E-03	-2.56E-03	-8.45E-04
8.82E+01	3.47E-03	-2.62E-03	-1.36E-03
8.82E+01	3.53E-03	-2.66E-03	-1.94E-03
8.83E+01	3.51E-03	-2.64E-03	-2.43E-03
8.83E+01	3.36E-03	-2.58E-03	-2.78E-03
8.83E+01	3.09E-03	-2.52E-03	-2.98E-03
8.83E+01	2.76E-03	-2.48E-03	-2.95E-03
8.83E+01	2.42E-03	-2.48E-03	-2.76E-03
8.83E+01	2.16E-03	-2.54E-03	-2.54E-03
8.83E+01	1.92E-03	-2.61E-03	-2.24E-03
8.83E+01	1.68E-03	-2.72E-03	-1.99E-03
8.83E+01	1.46E-03	-2.80E-03	-1.79E-03
8.83E+01	1.28E-03	-2.80E-03	-1.63E-03
8.83E+01	1.11E-03	-2.77E-03	-1.63E-03
8.83E+01	9.49E-04	-2.71E-03	-1.77E-03
8.83E+01	8.09E-04	-2.62E-03	-1.90E-03
8.83E+01	7.39E-04	-2.49E-03	-2.00E-03
8.83E+01	6.82E-04	-2.37E-03	-2.09E-03
8.83E+01	6.01E-04	-2.31E-03	-2.27E-03
8.83E+01	5.36E-04	-2.25E-03	-2.48E-03
8.83E+01	5.08E-04	-2.15E-03	-2.59E-03

8.83E+01	5.27E-04	-2.02E-03	-2.59E-03
8.83E+01	5.62E-04	-1.84E-03	-2.46E-03
8.84E+01	6.45E-04	-1.59E-03	-2.19E-03
8.84E+01	8.55E-04	-1.29E-03	-1.88E-03
8.84E+01	1.16E-03	-9.65E-04	-1.66E-03
8.84E+01	1.51E-03	-6.69E-04	-1.64E-03
8.84E+01	1.96E-03	-3.80E-04	-1.76E-03
8.84E+01	2.52E-03	-8.18E-05	-1.86E-03
8.84E+01	3.14E-03	1.55E-04	-1.92E-03
8.84E+01	3.75E-03	2.97E-04	-1.87E-03
8.84E+01	4.30E-03	3.64E-04	-1.67E-03
8.84E+01	4.79E-03	3.53E-04	-1.53E-03
8.84E+01	5.20E-03	2.63E-04	-1.52E-03
8.84E+01	5.48E-03	1.00E-04	-1.67E-03
8.84E+01	5.70E-03	-7.95E-05	-1.92E-03
8.84E+01	5.93E-03	-1.92E-04	-2.20E-03
8.84E+01	6.12E-03	-2.33E-04	-2.59E-03
8.84E+01	6.29E-03	-2.09E-04	-3.07E-03
8.84E+01	6.44E-03	-9.65E-05	-3.44E-03
8.84E+01	6.58E-03	1.09E-04	-3.63E-03
8.84E+01	6.73E-03	3.68E-04	-3.53E-03
8.84E+01	6.75E-03	6.05E-04	-3.28E-03
8.85E+01	6.73E-03	8.06E-04	-2.99E-03
8.85E+01	6.73E-03	1.01E-03	-2.53E-03
8.85E+01	6.73E-03	1.18E-03	-1.99E-03
8.85E+01	6.70E-03	1.24E-03	-1.50E-03
8.85E+01	6.61E-03	1.20E-03	-1.03E-03
8.85E+01	6.52E-03	1.13E-03	-6.59E-04
8.85E+01	6.39E-03	1.04E-03	-4.42E-04
8.85E+01	6.15E-03	8.95E-04	-3.48E-04
8.85E+01	5.83E-03	6.88E-04	-3.18E-04
8.85E+01	5.53E-03	4.92E-04	-3.03E-04
8.85E+01	5.28E-03	2.87E-04	-3.94E-04
8.85E+01	5.05E-03	5.19E-05	-6.38E-04
8.85E+01	4.88E-03	-1.51E-04	-8.69E-04
8.85E+01	4.83E-03	-2.70E-04	-1.00E-03
8.85E+01	4.95E-03	-2.67E-04	-1.07E-03
8.85E+01	5.13E-03	-2.20E-04	-1.04E-03
8.85E+01	5.39E-03	-1.25E-04	-8.47E-04
8.85E+01	5.73E-03	8.09E-05	-4.76E-04
8.85E+01	6.06E-03	2.87E-04	-9.10E-05
8.85E+01	6.37E-03	4.80E-04	1.67E-04
8.86E+01	6.60E-03	7.03E-04	3.34E-04
8.86E+01	6.77E-03	9.60E-04	4.11E-04
8.86E+01	6.92E-03	1.30E-03	4.14E-04
8.86E+01	6.96E-03	1.69E-03	3.87E-04
8.86E+01	6.91E-03	2.08E-03	3.56E-04

8.86E+01	6.83E-03	2.48E-03	4.41E-04
8.86E+01	6.69E-03	2.86E-03	6.94E-04
8.86E+01	6.44E-03	3.13E-03	9.39E-04
8.86E+01	6.05E-03	3.26E-03	1.04E-03
8.86E+01	5.59E-03	3.32E-03	9.16E-04
8.86E+01	5.09E-03	3.34E-03	5.14E-04
8.86E+01	4.52E-03	3.25E-03	-1.22E-05
8.86E+01	3.95E-03	3.14E-03	-5.06E-04
8.86E+01	3.40E-03	3.12E-03	-8.76E-04
8.86E+01	2.85E-03	3.09E-03	-1.12E-03
8.86E+01	2.35E-03	3.01E-03	-1.31E-03
8.86E+01	1.84E-03	2.88E-03	-1.31E-03
8.86E+01	1.37E-03	2.70E-03	-1.11E-03
8.86E+01	1.03E-03	2.49E-03	-8.61E-04
8.86E+01	8.09E-04	2.22E-03	-6.19E-04
8.87E+01	7.20E-04	1.96E-03	-4.81E-04
8.87E+01	8.26E-04	1.79E-03	-4.39E-04
8.87E+01	1.14E-03	1.69E-03	-3.89E-04
8.87E+01	1.60E-03	1.73E-03	-2.87E-04
8.87E+01	2.11E-03	1.85E-03	-7.27E-05
8.87E+01	2.62E-03	2.01E-03	1.50E-04
8.87E+01	3.10E-03	2.20E-03	2.79E-04
8.87E+01	3.50E-03	2.37E-03	3.48E-04
8.87E+01	3.83E-03	2.52E-03	3.02E-04
8.87E+01	4.10E-03	2.64E-03	1.89E-04
8.87E+01	4.31E-03	2.74E-03	1.88E-04
8.87E+01	4.44E-03	2.81E-03	3.56E-04
8.87E+01	4.45E-03	2.81E-03	6.99E-04
8.87E+01	4.34E-03	2.71E-03	1.17E-03
8.87E+01	4.15E-03	2.50E-03	1.65E-03
8.87E+01	3.92E-03	2.23E-03	1.97E-03
8.87E+01	3.67E-03	1.88E-03	2.05E-03
8.87E+01	3.49E-03	1.57E-03	1.91E-03
8.87E+01	3.45E-03	1.37E-03	1.71E-03
8.87E+01	3.55E-03	1.27E-03	1.51E-03
8.88E+01	3.72E-03	1.21E-03	1.33E-03
8.88E+01	3.89E-03	1.19E-03	1.24E-03
8.88E+01	4.06E-03	1.21E-03	1.25E-03
8.88E+01	4.22E-03	1.25E-03	1.30E-03
8.88E+01	4.30E-03	1.31E-03	1.32E-03
8.88E+01	4.35E-03	1.40E-03	1.27E-03
8.88E+01	4.42E-03	1.61E-03	1.19E-03
8.88E+01	4.50E-03	1.96E-03	1.08E-03
8.88E+01	4.51E-03	2.35E-03	1.02E-03
8.88E+01	4.50E-03	2.79E-03	1.08E-03
8.88E+01	4.47E-03	3.23E-03	1.19E-03
8.88E+01	4.39E-03	3.60E-03	1.29E-03

8.88E+01	4.21E-03	3.90E-03	1.30E-03
8.88E+01	3.97E-03	4.14E-03	1.23E-03
8.88E+01	3.79E-03	4.35E-03	1.18E-03
8.88E+01	3.59E-03	4.39E-03	1.10E-03
8.88E+01	3.34E-03	4.36E-03	1.06E-03
8.88E+01	3.08E-03	4.33E-03	1.07E-03
8.88E+01	2.81E-03	4.15E-03	1.10E-03
8.88E+01	2.62E-03	3.96E-03	1.21E-03
8.89E+01	2.49E-03	3.79E-03	1.31E-03
8.89E+01	2.39E-03	3.55E-03	1.28E-03
8.89E+01	2.41E-03	3.32E-03	1.30E-03
8.89E+01	2.55E-03	3.07E-03	1.39E-03
8.89E+01	2.77E-03	2.79E-03	1.47E-03
8.89E+01	2.96E-03	2.41E-03	1.45E-03
8.89E+01	3.18E-03	1.92E-03	1.24E-03
8.89E+01	3.48E-03	1.48E-03	9.68E-04
8.89E+01	3.69E-03	1.03E-03	6.89E-04
8.89E+01	3.92E-03	5.83E-04	4.33E-04
8.89E+01	4.22E-03	2.30E-04	4.80E-04
8.89E+01	4.43E-03	-2.73E-05	7.16E-04
8.89E+01	4.56E-03	-1.87E-04	8.19E-04
8.89E+01	4.52E-03	-3.56E-04	7.70E-04
8.89E+01	4.36E-03	-4.00E-04	6.62E-04
8.89E+01	4.18E-03	-2.90E-04	4.75E-04
8.89E+01	3.89E-03	-2.06E-04	1.54E-04
8.89E+01	3.54E-03	-7.27E-05	-1.42E-04
8.89E+01	3.16E-03	9.71E-05	-3.63E-04
8.89E+01	2.82E-03	2.19E-04	-5.68E-04
8.90E+01	2.52E-03	3.12E-04	-7.00E-04
8.90E+01	2.19E-03	3.16E-04	-7.48E-04
8.90E+01	1.91E-03	3.19E-04	-7.79E-04
8.90E+01	1.71E-03	3.77E-04	-8.18E-04
8.90E+01	1.50E-03	4.12E-04	-7.76E-04
8.90E+01	1.31E-03	4.86E-04	-7.38E-04
8.90E+01	1.17E-03	6.17E-04	-7.67E-04
8.90E+01	1.06E-03	7.65E-04	-7.33E-04
8.90E+01	9.60E-04	9.01E-04	-7.48E-04
8.90E+01	8.14E-04	9.47E-04	-8.54E-04
8.90E+01	5.96E-04	9.13E-04	-9.38E-04
8.90E+01	4.10E-04	8.67E-04	-1.02E-03
8.90E+01	2.37E-04	8.05E-04	-1.09E-03
8.90E+01	-3.68E-05	6.91E-04	-1.22E-03
8.90E+01	-3.24E-04	5.92E-04	-1.35E-03
8.90E+01	-5.58E-04	5.64E-04	-1.35E-03
8.90E+01	-7.48E-04	6.08E-04	-1.29E-03
8.90E+01	-8.88E-04	6.77E-04	-1.16E-03
8.90E+01	-9.84E-04	7.56E-04	-9.28E-04

8.90E+01	-1.02E-03	8.79E-04	-7.08E-04
8.91E+01	-1.01E-03	9.56E-04	-5.96E-04
8.91E+01	-1.03E-03	9.42E-04	-5.96E-04
8.91E+01	-1.09E-03	8.51E-04	-7.37E-04
8.91E+01	-1.13E-03	7.68E-04	-9.05E-04
8.91E+01	-1.17E-03	7.35E-04	-9.66E-04
8.91E+01	-1.28E-03	6.91E-04	-9.82E-04
8.91E+01	-1.39E-03	6.50E-04	-1.03E-03
8.91E+01	-1.49E-03	5.93E-04	-1.12E-03
8.91E+01	-1.59E-03	5.48E-04	-1.14E-03
8.91E+01	-1.69E-03	5.14E-04	-1.11E-03
8.91E+01	-1.76E-03	4.58E-04	-1.09E-03
8.91E+01	-1.80E-03	4.03E-04	-9.67E-04
8.91E+01	-1.79E-03	3.41E-04	-8.34E-04
8.91E+01	-1.72E-03	2.44E-04	-8.00E-04
8.91E+01	-1.65E-03	8.96E-05	-7.15E-04
8.91E+01	-1.52E-03	-4.29E-05	-5.45E-04
8.91E+01	-1.33E-03	-1.27E-04	-2.59E-04
8.91E+01	-1.18E-03	-2.24E-04	-2.38E-05
8.91E+01	-1.02E-03	-3.27E-04	-3.97E-05
8.91E+01	-8.62E-04	-3.73E-04	-9.19E-05
8.92E+01	-7.14E-04	-3.52E-04	-1.31E-04
8.92E+01	-5.71E-04	-3.01E-04	-1.88E-04
8.92E+01	-5.40E-04	-2.20E-04	-1.58E-04
8.92E+01	-5.95E-04	-1.48E-04	-1.49E-04
8.92E+01	-6.59E-04	-7.92E-05	-2.05E-04
8.92E+01	-8.36E-04	-3.03E-05	-2.76E-04
8.92E+01	-1.05E-03	-6.98E-05	-3.68E-04
8.92E+01	-1.21E-03	-1.57E-04	-4.72E-04
8.92E+01	-1.33E-03	-3.20E-04	-6.88E-04
8.92E+01	-1.35E-03	-6.05E-04	-1.03E-03
8.92E+01	-1.30E-03	-9.52E-04	-1.30E-03
8.92E+01	-1.17E-03	-1.32E-03	-1.44E-03
8.92E+01	-9.08E-04	-1.72E-03	-1.45E-03
8.92E+01	-6.59E-04	-2.14E-03	-1.33E-03
8.92E+01	-4.71E-04	-2.64E-03	-1.29E-03
8.92E+01	-3.39E-04	-3.17E-03	-1.28E-03
8.92E+01	-2.77E-04	-3.60E-03	-1.16E-03
8.92E+01	-2.38E-04	-3.93E-03	-9.44E-04
8.92E+01	-2.78E-04	-4.15E-03	-6.20E-04
8.92E+01	-4.14E-04	-4.25E-03	-2.61E-04
8.93E+01	-5.54E-04	-4.24E-03	4.96E-05
8.93E+01	-7.44E-04	-4.14E-03	3.93E-04
8.93E+01	-9.88E-04	-3.99E-03	6.93E-04
8.93E+01	-1.22E-03	-3.83E-03	8.90E-04
8.93E+01	-1.45E-03	-3.67E-03	1.02E-03
8.93E+01	-1.58E-03	-3.51E-03	1.02E-03

8.93E+01	-1.65E-03	-3.35E-03	9.39E-04
8.93E+01	-1.66E-03	-3.20E-03	8.01E-04
8.93E+01	-1.49E-03	-3.03E-03	5.27E-04
8.93E+01	-1.21E-03	-2.85E-03	1.53E-04
8.93E+01	-9.33E-04	-2.71E-03	-3.92E-04
8.93E+01	-5.84E-04	-2.62E-03	-1.13E-03
8.93E+01	-2.11E-04	-2.49E-03	-1.91E-03
8.93E+01	1.21E-04	-2.32E-03	-2.70E-03
8.93E+01	3.62E-04	-2.12E-03	-3.43E-03
8.93E+01	4.26E-04	-1.85E-03	-3.84E-03
8.93E+01	3.70E-04	-1.54E-03	-3.85E-03
8.93E+01	1.78E-04	-1.18E-03	-3.46E-03
8.93E+01	-1.77E-04	-8.21E-04	-2.80E-03
8.93E+01	-5.65E-04	-5.10E-04	-1.99E-03
8.94E+01	-9.53E-04	-2.50E-04	-1.00E-03
8.94E+01	-1.30E-03	-1.53E-04	-5.99E-05
8.94E+01	-1.54E-03	-2.15E-04	7.00E-04
8.94E+01	-1.71E-03	-3.97E-04	1.30E-03
8.94E+01	-1.72E-03	-7.23E-04	1.68E-03
8.94E+01	-1.55E-03	-1.08E-03	1.91E-03
8.94E+01	-1.29E-03	-1.48E-03	1.97E-03
8.94E+01	-9.23E-04	-1.85E-03	1.90E-03
8.94E+01	-4.95E-04	-2.05E-03	1.80E-03
8.94E+01	-1.02E-04	-2.19E-03	1.55E-03
8.94E+01	2.26E-04	-2.27E-03	1.21E-03
8.94E+01	3.94E-04	-2.27E-03	8.65E-04
8.94E+01	4.57E-04	-2.25E-03	5.46E-04
8.94E+01	4.77E-04	-2.19E-03	3.44E-04
8.94E+01	3.36E-04	-2.14E-03	1.84E-04
8.94E+01	8.49E-05	-2.16E-03	-1.62E-05
8.94E+01	-1.90E-04	-2.14E-03	-1.28E-04
8.94E+01	-4.85E-04	-2.08E-03	-2.15E-04
8.94E+01	-7.37E-04	-2.04E-03	-3.80E-04
8.94E+01	-9.74E-04	-1.95E-03	-4.60E-04
8.95E+01	-1.16E-03	-1.83E-03	-4.03E-04
8.95E+01	-1.23E-03	-1.73E-03	-2.36E-04
8.95E+01	-1.28E-03	-1.71E-03	-1.03E-05
8.95E+01	-1.30E-03	-1.82E-03	1.13E-04
8.95E+01	-1.24E-03	-2.02E-03	1.39E-04
8.95E+01	-1.12E-03	-2.24E-03	1.03E-04
8.95E+01	-9.28E-04	-2.46E-03	6.37E-05
8.95E+01	-6.53E-04	-2.64E-03	1.86E-04
8.95E+01	-2.86E-04	-2.68E-03	3.83E-04
8.95E+01	1.67E-04	-2.67E-03	5.53E-04
8.95E+01	5.87E-04	-2.64E-03	7.44E-04
8.95E+01	8.74E-04	-2.61E-03	8.96E-04
8.95E+01	1.08E-03	-2.58E-03	1.10E-03

8.95E+01	1.18E-03	-2.44E-03	1.40E-03
8.95E+01	1.13E-03	-2.33E-03	1.58E-03
8.95E+01	9.67E-04	-2.22E-03	1.63E-03
8.95E+01	6.97E-04	-2.03E-03	1.57E-03
8.95E+01	4.31E-04	-1.86E-03	1.48E-03
8.95E+01	1.40E-04	-1.71E-03	1.44E-03
8.95E+01	-2.32E-04	-1.59E-03	1.38E-03
8.96E+01	-5.84E-04	-1.50E-03	1.38E-03
8.96E+01	-9.34E-04	-1.39E-03	1.51E-03
8.96E+01	-1.25E-03	-1.32E-03	1.58E-03
8.96E+01	-1.57E-03	-1.31E-03	1.46E-03
8.96E+01	-1.94E-03	-1.39E-03	1.14E-03
8.96E+01	-2.25E-03	-1.52E-03	6.78E-04
8.96E+01	-2.52E-03	-1.68E-03	2.06E-04
8.96E+01	-2.71E-03	-1.89E-03	-2.15E-04
8.96E+01	-2.74E-03	-2.09E-03	-4.37E-04
8.96E+01	-2.60E-03	-2.23E-03	-2.96E-04
8.96E+01	-2.30E-03	-2.32E-03	6.73E-05
8.96E+01	-1.90E-03	-2.41E-03	4.37E-04
8.96E+01	-1.48E-03	-2.47E-03	7.45E-04
8.96E+01	-1.01E-03	-2.45E-03	9.32E-04
8.96E+01	-5.66E-04	-2.32E-03	9.82E-04
8.96E+01	-2.87E-04	-2.10E-03	9.17E-04
8.96E+01	-1.13E-04	-1.75E-03	8.76E-04
8.96E+01	-9.54E-06	-1.22E-03	1.07E-03
8.96E+01	-3.45E-05	-6.06E-04	1.42E-03
8.96E+01	-1.64E-04	1.70E-05	1.80E-03
8.97E+01	-4.00E-04	6.14E-04	2.26E-03
8.97E+01	-6.79E-04	1.16E-03	2.65E-03
8.97E+01	-9.61E-04	1.64E-03	2.82E-03
8.97E+01	-1.27E-03	2.04E-03	2.73E-03
8.97E+01	-1.53E-03	2.34E-03	2.44E-03
8.97E+01	-1.70E-03	2.60E-03	2.12E-03
8.97E+01	-1.79E-03	2.78E-03	1.82E-03
8.97E+01	-1.84E-03	2.80E-03	1.51E-03
8.97E+01	-1.88E-03	2.68E-03	1.26E-03
8.97E+01	-1.89E-03	2.47E-03	1.08E-03
8.97E+01	-1.90E-03	2.20E-03	8.66E-04
8.97E+01	-1.96E-03	1.86E-03	6.14E-04
8.97E+01	-2.08E-03	1.53E-03	3.98E-04
8.97E+01	-2.26E-03	1.32E-03	3.12E-04
8.97E+01	-2.47E-03	1.15E-03	2.97E-04
8.97E+01	-2.75E-03	1.05E-03	2.96E-04
8.97E+01	-3.06E-03	1.09E-03	3.12E-04
8.97E+01	-3.36E-03	1.18E-03	2.10E-04
8.97E+01	-3.63E-03	1.32E-03	-5.26E-05
8.97E+01	-3.83E-03	1.47E-03	-4.14E-04

8.98E+01	-4.03E-03	1.55E-03	-7.25E-04
8.98E+01	-4.20E-03	1.62E-03	-7.80E-04
8.98E+01	-4.33E-03	1.61E-03	-7.27E-04
8.98E+01	-4.49E-03	1.49E-03	-6.54E-04
8.98E+01	-4.72E-03	1.29E-03	-4.03E-04
8.98E+01	-4.95E-03	1.03E-03	-1.91E-07
8.98E+01	-5.14E-03	7.91E-04	4.43E-04
8.98E+01	-5.32E-03	6.08E-04	8.05E-04
8.98E+01	-5.47E-03	4.21E-04	1.05E-03
8.98E+01	-5.55E-03	2.61E-04	1.26E-03
8.98E+01	-5.51E-03	1.69E-04	1.45E-03
8.98E+01	-5.42E-03	6.68E-05	1.63E-03
8.98E+01	-5.33E-03	-6.73E-05	1.89E-03
8.98E+01	-5.20E-03	-2.44E-04	2.11E-03
8.98E+01	-4.99E-03	-5.00E-04	2.15E-03
8.98E+01	-4.77E-03	-7.99E-04	2.02E-03
8.98E+01	-4.53E-03	-1.14E-03	1.75E-03
8.98E+01	-4.21E-03	-1.44E-03	1.47E-03
8.98E+01	-3.84E-03	-1.64E-03	1.35E-03
8.98E+01	-3.48E-03	-1.87E-03	1.23E-03
8.99E+01	-3.20E-03	-2.12E-03	1.05E-03
8.99E+01	-3.04E-03	-2.40E-03	7.84E-04
8.99E+01	-3.00E-03	-2.69E-03	4.49E-04
8.99E+01	-3.15E-03	-2.97E-03	1.43E-04
8.99E+01	-3.49E-03	-3.27E-03	-1.14E-04
8.99E+01	-3.97E-03	-3.51E-03	-1.71E-04
8.99E+01	-4.54E-03	-3.69E-03	-4.88E-05
8.99E+01	-5.16E-03	-3.89E-03	4.31E-05
8.99E+01	-5.79E-03	-4.08E-03	1.59E-04
8.99E+01	-6.39E-03	-4.25E-03	3.72E-04
8.99E+01	-6.86E-03	-4.39E-03	6.53E-04
8.99E+01	-7.12E-03	-4.48E-03	9.89E-04
8.99E+01	-7.22E-03	-4.56E-03	1.27E-03
8.99E+01	-7.14E-03	-4.64E-03	1.44E-03
8.99E+01	-6.84E-03	-4.63E-03	1.61E-03
8.99E+01	-6.38E-03	-4.59E-03	1.70E-03
8.99E+01	-5.78E-03	-4.59E-03	1.63E-03
8.99E+01	-5.15E-03	-4.57E-03	1.50E-03
8.99E+01	-4.46E-03	-4.52E-03	1.31E-03
8.99E+01	-3.72E-03	-4.41E-03	1.11E-03
9.00E+01	-3.05E-03	-4.27E-03	9.08E-04
9.00E+01	-2.42E-03	-4.12E-03	6.13E-04
9.00E+01	-1.80E-03	-3.89E-03	2.88E-04
9.00E+01	-1.25E-03	-3.62E-03	-6.98E-05
9.00E+01	-7.91E-04	-3.33E-03	-5.02E-04
9.00E+01	-4.32E-04	-3.02E-03	-9.54E-04
9.00E+01	-1.17E-04	-2.71E-03	-1.41E-03

9.00E+01	1.93E-04	-2.41E-03	-1.77E-03
9.00E+01	4.50E-04	-2.16E-03	-1.95E-03
9.00E+01	6.52E-04	-2.00E-03	-1.98E-03
9.00E+01	8.29E-04	-1.85E-03	-1.76E-03
9.00E+01	9.57E-04	-1.70E-03	-1.37E-03
9.00E+01	9.81E-04	-1.59E-03	-9.21E-04
9.00E+01	8.52E-04	-1.51E-03	-4.34E-04
9.00E+01	6.06E-04	-1.43E-03	-9.92E-06
9.00E+01	2.60E-04	-1.36E-03	2.39E-04
9.00E+01	-2.12E-04	-1.32E-03	3.34E-04
9.00E+01	-7.68E-04	-1.28E-03	4.08E-04
9.00E+01	-1.34E-03	-1.21E-03	5.91E-04
9.00E+01	-1.87E-03	-1.11E-03	8.69E-04
9.01E+01	-2.39E-03	-1.04E-03	1.11E-03
9.01E+01	-2.92E-03	-9.80E-04	1.24E-03
9.01E+01	-3.34E-03	-9.00E-04	1.24E-03
9.01E+01	-3.60E-03	-8.06E-04	1.06E-03
9.01E+01	-3.75E-03	-7.23E-04	6.85E-04
9.01E+01	-3.82E-03	-6.50E-04	6.69E-05
9.01E+01	-3.79E-03	-5.34E-04	-7.04E-04
9.01E+01	-3.66E-03	-3.69E-04	-1.42E-03
9.01E+01	-3.51E-03	-2.30E-04	-2.02E-03
9.01E+01	-3.40E-03	-1.46E-04	-2.40E-03
9.01E+01	-3.30E-03	-8.35E-05	-2.48E-03
9.01E+01	-3.19E-03	-6.39E-05	-2.34E-03
9.01E+01	-3.11E-03	-1.18E-04	-2.13E-03
9.01E+01	-3.06E-03	-2.23E-04	-1.97E-03
9.01E+01	-3.02E-03	-3.12E-04	-1.83E-03
9.01E+01	-2.99E-03	-3.10E-04	-1.60E-03
9.01E+01	-2.99E-03	-2.65E-04	-1.40E-03
9.01E+01	-3.05E-03	-2.28E-04	-1.26E-03
9.01E+01	-3.11E-03	-1.90E-04	-1.13E-03
9.01E+01	-3.17E-03	-1.51E-04	-1.04E-03
9.02E+01	-3.23E-03	-1.25E-04	-9.97E-04
9.02E+01	-3.30E-03	-1.72E-04	-1.01E-03
9.02E+01	-3.36E-03	-2.32E-04	-9.70E-04
9.02E+01	-3.39E-03	-2.53E-04	-8.21E-04
9.02E+01	-3.41E-03	-3.15E-04	-7.30E-04
9.02E+01	-3.42E-03	-4.27E-04	-7.02E-04
9.02E+01	-3.40E-03	-5.66E-04	-5.74E-04
9.02E+01	-3.32E-03	-7.10E-04	-3.51E-04
9.02E+01	-3.22E-03	-8.77E-04	-7.27E-05
9.02E+01	-3.09E-03	-1.09E-03	1.99E-04
9.02E+01	-2.91E-03	-1.29E-03	4.24E-04
9.02E+01	-2.69E-03	-1.46E-03	5.64E-04
9.02E+01	-2.44E-03	-1.59E-03	5.14E-04
9.02E+01	-2.22E-03	-1.65E-03	3.16E-04

9.02E+01	-2.01E-03	-1.61E-03	1.12E-04
9.02E+01	-1.75E-03	-1.42E-03	-4.20E-06
9.02E+01	-1.46E-03	-1.16E-03	-3.24E-06
9.02E+01	-1.21E-03	-9.05E-04	7.90E-05
9.02E+01	-9.89E-04	-6.99E-04	2.56E-04
9.02E+01	-7.84E-04	-5.38E-04	5.66E-04
9.03E+01	-6.01E-04	-4.55E-04	8.92E-04
9.03E+01	-4.59E-04	-4.57E-04	1.08E-03
9.03E+01	-3.68E-04	-4.74E-04	1.08E-03
9.03E+01	-2.38E-04	-4.55E-04	9.58E-04
9.03E+01	-2.38E-05	-3.72E-04	8.53E-04
9.03E+01	1.92E-04	-2.53E-04	8.08E-04
9.03E+01	4.08E-04	-1.23E-04	7.81E-04
9.03E+01	6.43E-04	3.34E-05	8.46E-04
9.03E+01	8.53E-04	2.03E-04	9.79E-04
9.03E+01	9.95E-04	3.55E-04	1.02E-03
9.03E+01	1.05E-03	5.12E-04	9.29E-04
9.03E+01	1.08E-03	7.43E-04	7.33E-04
9.03E+01	1.13E-03	1.05E-03	4.75E-04
9.03E+01	1.16E-03	1.38E-03	2.41E-04
9.03E+01	1.17E-03	1.65E-03	1.03E-04
9.03E+01	1.20E-03	1.84E-03	1.24E-04
9.03E+01	1.23E-03	1.93E-03	2.19E-04
9.03E+01	1.22E-03	1.84E-03	2.82E-04
9.03E+01	1.16E-03	1.63E-03	3.71E-04
9.03E+01	1.10E-03	1.42E-03	5.09E-04
9.04E+01	1.07E-03	1.27E-03	5.73E-04
9.04E+01	9.85E-04	1.16E-03	4.09E-04
9.04E+01	8.45E-04	1.06E-03	3.17E-05
9.04E+01	6.73E-04	1.03E-03	-3.41E-04
9.04E+01	4.75E-04	1.02E-03	-5.77E-04
9.04E+01	2.19E-04	1.00E-03	-7.05E-04
9.04E+01	-1.41E-04	9.37E-04	-7.48E-04
9.04E+01	-5.10E-04	8.20E-04	-7.38E-04
9.04E+01	-8.14E-04	6.94E-04	-6.82E-04
9.04E+01	-1.10E-03	5.54E-04	-5.61E-04
9.04E+01	-1.32E-03	4.49E-04	-3.58E-04
9.04E+01	-1.45E-03	4.45E-04	-8.01E-06
9.04E+01	-1.50E-03	5.87E-04	4.68E-04
9.04E+01	-1.44E-03	8.55E-04	8.81E-04
9.04E+01	-1.34E-03	1.19E-03	1.12E-03
9.04E+01	-1.21E-03	1.59E-03	1.20E-03
9.04E+01	-1.04E-03	2.03E-03	1.14E-03
9.04E+01	-8.50E-04	2.45E-03	9.85E-04
9.04E+01	-7.14E-04	2.81E-03	6.97E-04
9.04E+01	-6.12E-04	3.10E-03	3.36E-04
9.05E+01	-5.29E-04	3.35E-03	1.12E-04

9.05E+01	-5.25E-04	3.56E-03	-9.54E-06
9.05E+01	-6.48E-04	3.69E-03	-9.98E-05
9.05E+01	-8.88E-04	3.77E-03	-1.19E-04
9.05E+01	-1.20E-03	3.84E-03	-1.43E-04
9.05E+01	-1.56E-03	3.91E-03	-2.70E-04
9.05E+01	-1.99E-03	3.93E-03	-5.67E-04
9.05E+01	-2.37E-03	3.96E-03	-9.12E-04
9.05E+01	-2.67E-03	4.01E-03	-1.05E-03
9.05E+01	-2.90E-03	4.02E-03	-9.94E-04
9.05E+01	-3.03E-03	3.98E-03	-7.74E-04
9.05E+01	-3.15E-03	3.86E-03	-3.86E-04
9.05E+01	-3.20E-03	3.71E-03	6.05E-05
9.05E+01	-3.15E-03	3.58E-03	5.57E-04
9.05E+01	-3.11E-03	3.44E-03	1.03E-03
9.05E+01	-3.03E-03	3.37E-03	1.42E-03
9.05E+01	-2.91E-03	3.40E-03	1.73E-03
9.05E+01	-2.77E-03	3.50E-03	1.80E-03
9.05E+01	-2.66E-03	3.67E-03	1.65E-03
9.05E+01	-2.64E-03	3.83E-03	1.52E-03
9.06E+01	-2.60E-03	3.94E-03	1.34E-03
9.06E+01	-2.53E-03	3.99E-03	1.14E-03
9.06E+01	-2.52E-03	3.91E-03	9.41E-04
9.06E+01	-2.55E-03	3.74E-03	6.55E-04
9.06E+01	-2.54E-03	3.56E-03	4.74E-04
9.06E+01	-2.46E-03	3.41E-03	4.48E-04
9.06E+01	-2.35E-03	3.27E-03	4.61E-04
9.06E+01	-2.23E-03	3.14E-03	5.07E-04
9.06E+01	-2.08E-03	3.02E-03	5.91E-04
9.06E+01	-1.92E-03	2.91E-03	7.09E-04
9.06E+01	-1.81E-03	2.75E-03	8.04E-04
9.06E+01	-1.74E-03	2.50E-03	8.90E-04
9.06E+01	-1.67E-03	2.20E-03	1.09E-03
9.06E+01	-1.64E-03	1.86E-03	1.40E-03
9.06E+01	-1.70E-03	1.47E-03	1.72E-03
9.06E+01	-1.83E-03	1.05E-03	2.06E-03
9.06E+01	-2.01E-03	6.45E-04	2.41E-03
9.06E+01	-2.23E-03	2.37E-04	2.67E-03
9.06E+01	-2.49E-03	-1.65E-04	2.78E-03
9.06E+01	-2.77E-03	-5.20E-04	2.73E-03
9.07E+01	-3.03E-03	-7.50E-04	2.60E-03
9.07E+01	-3.22E-03	-8.69E-04	2.43E-03
9.07E+01	-3.36E-03	-9.03E-04	2.11E-03
9.07E+01	-3.47E-03	-8.93E-04	1.70E-03
9.07E+01	-3.55E-03	-8.74E-04	1.32E-03
9.07E+01	-3.55E-03	-8.05E-04	1.02E-03
9.07E+01	-3.53E-03	-7.13E-04	7.98E-04
9.07E+01	-3.53E-03	-6.32E-04	5.43E-04

9.07E+01	-3.49E-03	-5.06E-04	2.42E-04
9.07E+01	-3.47E-03	-3.17E-04	-8.01E-05
9.07E+01	-3.43E-03	-7.92E-05	-4.71E-04
9.07E+01	-3.41E-03	2.35E-04	-7.76E-04
9.07E+01	-3.34E-03	6.21E-04	-8.70E-04
9.07E+01	-3.18E-03	1.05E-03	-7.55E-04
9.07E+01	-2.98E-03	1.46E-03	-4.25E-04
9.07E+01	-2.75E-03	1.79E-03	-3.59E-05
9.07E+01	-2.50E-03	2.07E-03	3.34E-04
9.07E+01	-2.21E-03	2.35E-03	6.42E-04
9.07E+01	-1.88E-03	2.63E-03	7.58E-04
9.07E+01	-1.54E-03	2.92E-03	8.28E-04
9.08E+01	-1.21E-03	3.23E-03	9.68E-04
9.08E+01	-8.29E-04	3.60E-03	1.17E-03
9.08E+01	-3.77E-04	4.00E-03	1.49E-03
9.08E+01	3.83E-05	4.29E-03	1.79E-03
9.08E+01	4.47E-04	4.49E-03	2.02E-03
9.08E+01	8.82E-04	4.62E-03	2.22E-03
9.08E+01	1.30E-03	4.64E-03	2.22E-03
9.08E+01	1.67E-03	4.57E-03	2.05E-03
9.08E+01	1.96E-03	4.46E-03	1.86E-03
9.08E+01	2.22E-03	4.30E-03	1.68E-03
9.08E+01	2.42E-03	4.09E-03	1.59E-03
9.08E+01	2.50E-03	3.76E-03	1.51E-03
9.08E+01	2.48E-03	3.34E-03	1.44E-03
9.08E+01	2.43E-03	2.93E-03	1.40E-03
9.08E+01	2.36E-03	2.53E-03	1.30E-03
9.08E+01	2.28E-03	2.22E-03	1.16E-03
9.08E+01	2.19E-03	2.01E-03	1.04E-03
9.08E+01	2.14E-03	1.89E-03	9.46E-04
9.08E+01	2.09E-03	1.84E-03	9.39E-04
9.08E+01	1.96E-03	1.74E-03	9.84E-04
9.09E+01	1.84E-03	1.57E-03	1.02E-03
9.09E+01	1.72E-03	1.33E-03	1.26E-03
9.09E+01	1.59E-03	9.57E-04	1.67E-03
9.09E+01	1.43E-03	4.56E-04	2.07E-03
9.09E+01	1.24E-03	-6.08E-05	2.43E-03
9.09E+01	1.10E-03	-5.13E-04	2.68E-03
9.09E+01	1.01E-03	-8.66E-04	2.83E-03
9.09E+01	9.62E-04	-1.06E-03	2.99E-03
9.09E+01	1.00E-03	-1.11E-03	3.12E-03
9.09E+01	1.10E-03	-1.02E-03	3.28E-03
9.09E+01	1.24E-03	-8.34E-04	3.37E-03
9.09E+01	1.39E-03	-6.49E-04	3.32E-03
9.09E+01	1.50E-03	-4.32E-04	3.27E-03
9.09E+01	1.61E-03	-2.07E-04	3.08E-03
9.09E+01	1.76E-03	4.46E-05	2.75E-03

9.09E+01	1.90E-03	3.40E-04	2.36E-03
9.09E+01	2.00E-03	6.14E-04	1.96E-03
9.09E+01	2.10E-03	8.96E-04	1.70E-03
9.09E+01	2.14E-03	1.16E-03	1.53E-03
9.09E+01	2.12E-03	1.36E-03	1.29E-03
9.10E+01	2.03E-03	1.51E-03	1.03E-03
9.10E+01	1.90E-03	1.59E-03	8.05E-04
9.10E+01	1.80E-03	1.61E-03	5.72E-04
9.10E+01	1.69E-03	1.57E-03	4.00E-04
9.10E+01	1.57E-03	1.44E-03	3.32E-04
9.10E+01	1.48E-03	1.26E-03	4.48E-04
9.10E+01	1.39E-03	1.01E-03	7.73E-04
9.10E+01	1.30E-03	6.20E-04	1.12E-03
9.10E+01	1.11E-03	1.38E-04	1.43E-03
9.10E+01	8.05E-04	-4.18E-04	1.71E-03
9.10E+01	4.65E-04	-1.02E-03	1.85E-03
9.10E+01	3.13E-05	-1.65E-03	1.93E-03
9.10E+01	-5.04E-04	-2.33E-03	1.94E-03
9.10E+01	-1.06E-03	-2.96E-03	1.95E-03
9.10E+01	-1.63E-03	-3.49E-03	2.10E-03
9.10E+01	-2.19E-03	-3.95E-03	2.29E-03
9.10E+01	-2.72E-03	-4.33E-03	2.46E-03
9.10E+01	-3.21E-03	-4.59E-03	2.59E-03
9.10E+01	-3.53E-03	-4.75E-03	2.67E-03
9.10E+01	-3.67E-03	-4.79E-03	2.77E-03
9.11E+01	-3.69E-03	-4.75E-03	2.83E-03
9.11E+01	-3.56E-03	-4.60E-03	2.84E-03
9.11E+01	-3.28E-03	-4.29E-03	2.93E-03
9.11E+01	-2.92E-03	-3.89E-03	3.01E-03
9.11E+01	-2.51E-03	-3.44E-03	3.04E-03
9.11E+01	-2.12E-03	-2.94E-03	3.06E-03
9.11E+01	-1.70E-03	-2.37E-03	2.98E-03
9.11E+01	-1.28E-03	-1.79E-03	2.85E-03
9.11E+01	-9.76E-04	-1.27E-03	2.63E-03
9.11E+01	-6.94E-04	-8.54E-04	2.32E-03
9.11E+01	-4.54E-04	-5.20E-04	2.09E-03
9.11E+01	-2.59E-04	-2.95E-04	1.85E-03
9.11E+01	-1.32E-04	-2.48E-04	1.54E-03
9.11E+01	-1.06E-04	-3.31E-04	1.27E-03
9.11E+01	-9.06E-05	-4.59E-04	9.79E-04
9.11E+01	-1.30E-04	-6.19E-04	6.18E-04
9.11E+01	-2.57E-04	-7.47E-04	2.03E-04
9.11E+01	-4.27E-04	-8.27E-04	-2.75E-04
9.11E+01	-6.27E-04	-8.08E-04	-6.60E-04
9.11E+01	-8.27E-04	-6.76E-04	-9.23E-04
9.12E+01	-1.07E-03	-5.60E-04	-1.15E-03
9.12E+01	-1.38E-03	-4.49E-04	-1.20E-03

9.12E+01	-1.69E-03	-3.18E-04	-1.01E-03
9.12E+01	-1.97E-03	-2.56E-04	-7.40E-04
9.12E+01	-2.19E-03	-3.10E-04	-5.09E-04
9.12E+01	-2.30E-03	-4.70E-04	-3.22E-04
9.12E+01	-2.25E-03	-6.50E-04	-1.01E-04
9.12E+01	-2.04E-03	-8.42E-04	7.06E-05
9.12E+01	-1.70E-03	-1.07E-03	1.19E-04
9.12E+01	-1.27E-03	-1.28E-03	9.96E-05
9.12E+01	-7.77E-04	-1.46E-03	3.17E-05
9.12E+01	-1.99E-04	-1.61E-03	-9.73E-06
9.12E+01	3.91E-04	-1.78E-03	-5.74E-05
9.12E+01	9.51E-04	-2.00E-03	-2.41E-04
9.12E+01	1.50E-03	-2.23E-03	-4.72E-04
9.12E+01	2.02E-03	-2.42E-03	-7.45E-04
9.12E+01	2.51E-03	-2.66E-03	-1.11E-03
9.12E+01	2.94E-03	-2.90E-03	-1.43E-03
9.12E+01	3.36E-03	-3.10E-03	-1.73E-03
9.12E+01	3.75E-03	-3.26E-03	-2.03E-03
9.13E+01	4.05E-03	-3.38E-03	-2.31E-03
9.13E+01	4.26E-03	-3.48E-03	-2.64E-03
9.13E+01	4.41E-03	-3.53E-03	-2.86E-03
9.13E+01	4.51E-03	-3.53E-03	-2.93E-03
9.13E+01	4.50E-03	-3.56E-03	-2.96E-03
9.13E+01	4.34E-03	-3.58E-03	-2.91E-03
9.13E+01	4.08E-03	-3.59E-03	-2.79E-03
9.13E+01	3.81E-03	-3.59E-03	-2.56E-03
9.13E+01	3.46E-03	-3.55E-03	-2.23E-03
9.13E+01	2.98E-03	-3.53E-03	-1.82E-03
9.13E+01	2.42E-03	-3.49E-03	-1.30E-03
9.13E+01	1.80E-03	-3.40E-03	-7.88E-04
9.13E+01	1.21E-03	-3.32E-03	-4.70E-04
9.13E+01	6.35E-04	-3.24E-03	-3.54E-04
9.13E+01	5.49E-05	-3.12E-03	-3.02E-04
9.13E+01	-4.56E-04	-2.95E-03	-2.71E-04
9.13E+01	-8.94E-04	-2.78E-03	-2.94E-04
9.13E+01	-1.28E-03	-2.64E-03	-4.53E-04
9.13E+01	-1.53E-03	-2.51E-03	-7.16E-04
9.13E+01	-1.65E-03	-2.42E-03	-1.02E-03
9.14E+01	-1.67E-03	-2.42E-03	-1.38E-03
9.14E+01	-1.57E-03	-2.50E-03	-1.75E-03
9.14E+01	-1.42E-03	-2.63E-03	-2.10E-03
9.14E+01	-1.19E-03	-2.77E-03	-2.43E-03
9.14E+01	-9.09E-04	-2.89E-03	-2.67E-03
9.14E+01	-6.35E-04	-3.05E-03	-2.87E-03
9.14E+01	-3.40E-04	-3.22E-03	-3.03E-03
9.14E+01	-2.35E-05	-3.35E-03	-3.11E-03
9.14E+01	2.80E-04	-3.49E-03	-3.19E-03

9.14E+01	5.45E-04	-3.66E-03	-3.27E-03
9.14E+01	7.71E-04	-3.83E-03	-3.25E-03
9.14E+01	9.97E-04	-3.94E-03	-3.15E-03
9.14E+01	1.19E-03	-3.99E-03	-3.00E-03
9.14E+01	1.32E-03	-3.92E-03	-2.89E-03
9.14E+01	1.45E-03	-3.73E-03	-2.96E-03
9.14E+01	1.60E-03	-3.42E-03	-3.14E-03
9.14E+01	1.80E-03	-2.97E-03	-3.47E-03
9.14E+01	2.04E-03	-2.44E-03	-3.91E-03
9.14E+01	2.34E-03	-1.87E-03	-4.28E-03
9.14E+01	2.71E-03	-1.34E-03	-4.59E-03
9.15E+01	3.11E-03	-9.36E-04	-4.79E-03
9.15E+01	3.48E-03	-6.77E-04	-4.88E-03
9.15E+01	3.79E-03	-5.69E-04	-4.93E-03
9.15E+01	4.05E-03	-5.30E-04	-4.89E-03
9.15E+01	4.28E-03	-4.53E-04	-4.77E-03
9.15E+01	4.39E-03	-3.69E-04	-4.72E-03
9.15E+01	4.36E-03	-2.72E-04	-4.65E-03
9.15E+01	4.21E-03	-1.04E-04	-4.49E-03
9.15E+01	3.92E-03	1.11E-04	-4.34E-03
9.15E+01	3.46E-03	2.96E-04	-4.20E-03
9.15E+01	2.90E-03	4.59E-04	-4.12E-03
9.15E+01	2.28E-03	6.33E-04	-4.08E-03
9.15E+01	1.63E-03	7.94E-04	-3.99E-03
9.15E+01	9.71E-04	9.57E-04	-3.83E-03
9.15E+01	3.18E-04	1.10E-03	-3.59E-03
9.15E+01	-2.42E-04	1.19E-03	-3.32E-03
9.15E+01	-6.18E-04	1.27E-03	-3.16E-03
9.15E+01	-8.67E-04	1.29E-03	-3.11E-03
9.15E+01	-1.02E-03	1.24E-03	-3.16E-03
9.15E+01	-1.02E-03	1.19E-03	-3.26E-03
9.16E+01	-8.51E-04	1.17E-03	-3.35E-03
9.16E+01	-5.65E-04	1.15E-03	-3.47E-03
9.16E+01	-2.29E-04	1.07E-03	-3.59E-03
9.16E+01	1.37E-04	9.47E-04	-3.67E-03
9.16E+01	5.34E-04	7.90E-04	-3.69E-03
9.16E+01	8.74E-04	5.48E-04	-3.70E-03
9.16E+01	1.15E-03	2.46E-04	-3.72E-03
9.16E+01	1.42E-03	-7.76E-05	-3.73E-03
9.16E+01	1.68E-03	-4.10E-04	-3.68E-03
9.16E+01	1.90E-03	-7.32E-04	-3.56E-03
9.16E+01	2.05E-03	-1.01E-03	-3.41E-03
9.16E+01	2.17E-03	-1.24E-03	-3.28E-03
9.16E+01	2.32E-03	-1.43E-03	-3.18E-03
9.16E+01	2.50E-03	-1.50E-03	-3.09E-03
9.16E+01	2.66E-03	-1.57E-03	-3.11E-03
9.16E+01	2.85E-03	-1.68E-03	-3.22E-03

9.16E+01	3.11E-03	-1.68E-03	-3.30E-03
9.16E+01	3.40E-03	-1.62E-03	-3.37E-03
9.16E+01	3.68E-03	-1.53E-03	-3.36E-03
9.16E+01	3.95E-03	-1.39E-03	-3.15E-03
9.17E+01	4.22E-03	-1.22E-03	-2.84E-03
9.17E+01	4.42E-03	-1.02E-03	-2.49E-03
9.17E+01	4.52E-03	-8.19E-04	-2.23E-03
9.17E+01	4.54E-03	-6.50E-04	-2.16E-03
9.17E+01	4.50E-03	-4.68E-04	-2.10E-03
9.17E+01	4.43E-03	-2.96E-04	-2.05E-03
9.17E+01	4.29E-03	-2.22E-04	-2.08E-03
9.17E+01	4.18E-03	-2.10E-04	-2.06E-03
9.17E+01	4.10E-03	-3.06E-04	-1.94E-03
9.17E+01	4.05E-03	-5.92E-04	-1.78E-03
9.17E+01	4.03E-03	-1.04E-03	-1.55E-03
9.17E+01	4.04E-03	-1.65E-03	-1.25E-03
9.17E+01	4.09E-03	-2.33E-03	-9.49E-04
9.17E+01	4.16E-03	-3.06E-03	-8.22E-04
9.17E+01	4.21E-03	-3.80E-03	-8.71E-04
9.17E+01	4.19E-03	-4.43E-03	-9.11E-04
9.17E+01	4.18E-03	-4.92E-03	-9.12E-04
9.17E+01	4.21E-03	-5.25E-03	-7.90E-04
9.17E+01	4.16E-03	-5.43E-03	-5.37E-04
9.17E+01	4.08E-03	-5.49E-03	-2.31E-04
9.18E+01	4.06E-03	-5.39E-03	1.27E-04
9.18E+01	4.05E-03	-5.14E-03	3.80E-04
9.18E+01	4.01E-03	-4.77E-03	4.31E-04
9.18E+01	3.96E-03	-4.30E-03	3.70E-04
9.18E+01	3.95E-03	-3.72E-03	2.46E-04
9.18E+01	3.98E-03	-3.09E-03	1.25E-04
9.18E+01	3.99E-03	-2.53E-03	3.43E-06
9.18E+01	4.00E-03	-2.13E-03	-1.75E-04
9.18E+01	4.04E-03	-1.88E-03	-3.60E-04
9.18E+01	4.10E-03	-1.79E-03	-5.77E-04
9.18E+01	4.15E-03	-1.88E-03	-9.02E-04
9.18E+01	4.15E-03	-2.09E-03	-1.31E-03
9.18E+01	4.13E-03	-2.38E-03	-1.77E-03
9.18E+01	4.11E-03	-2.64E-03	-2.17E-03
9.18E+01	4.00E-03	-2.89E-03	-2.49E-03
9.18E+01	3.77E-03	-3.22E-03	-2.77E-03
9.18E+01	3.49E-03	-3.44E-03	-2.87E-03
9.18E+01	3.09E-03	-3.66E-03	-2.87E-03
9.18E+01	2.53E-03	-3.93E-03	-2.93E-03
9.18E+01	1.87E-03	-4.03E-03	-2.78E-03
9.19E+01	1.14E-03	-4.11E-03	-2.59E-03
9.19E+01	4.26E-04	-4.11E-03	-2.32E-03
9.19E+01	-2.84E-04	-3.93E-03	-1.76E-03

9.19E+01	-1.03E-03	-3.78E-03	-1.25E-03
9.19E+01	-1.69E-03	-3.70E-03	-8.17E-04
9.19E+01	-2.19E-03	-3.64E-03	-3.16E-04
9.19E+01	-2.51E-03	-3.59E-03	8.83E-05
9.19E+01	-2.61E-03	-3.59E-03	3.60E-04
9.19E+01	-2.49E-03	-3.53E-03	4.21E-04
9.19E+01	-2.10E-03	-3.37E-03	2.84E-04
9.19E+01	-1.56E-03	-3.10E-03	-4.63E-05
9.19E+01	-9.75E-04	-2.80E-03	-5.63E-04
9.19E+01	-3.55E-04	-2.48E-03	-1.01E-03
9.19E+01	2.22E-04	-2.15E-03	-1.37E-03
9.19E+01	6.48E-04	-1.96E-03	-1.85E-03
9.19E+01	9.29E-04	-1.89E-03	-2.32E-03
9.19E+01	1.11E-03	-1.83E-03	-2.53E-03
9.19E+01	1.24E-03	-1.75E-03	-2.48E-03
9.19E+01	1.38E-03	-1.60E-03	-2.33E-03
9.19E+01	1.51E-03	-1.39E-03	-2.23E-03
9.20E+01	1.70E-03	-1.09E-03	-2.12E-03
9.20E+01	2.00E-03	-6.87E-04	-1.93E-03
9.20E+01	2.37E-03	-2.87E-04	-1.72E-03
9.20E+01	2.80E-03	7.61E-05	-1.44E-03
9.20E+01	3.25E-03	3.86E-04	-1.10E-03
9.20E+01	3.70E-03	6.59E-04	-7.38E-04
9.20E+01	4.09E-03	8.78E-04	-3.55E-04
9.20E+01	4.37E-03	1.05E-03	1.24E-05
9.20E+01	4.54E-03	1.22E-03	4.13E-04
9.20E+01	4.56E-03	1.38E-03	9.77E-04
9.20E+01	4.39E-03	1.60E-03	1.56E-03
9.20E+01	3.98E-03	1.81E-03	1.84E-03
9.20E+01	3.31E-03	1.96E-03	1.80E-03
9.20E+01	2.50E-03	2.18E-03	1.61E-03
9.20E+01	1.68E-03	2.47E-03	1.32E-03
9.20E+01	8.32E-04	2.73E-03	9.25E-04
9.20E+01	5.70E-05	3.01E-03	5.17E-04
9.20E+01	-5.12E-04	3.32E-03	2.10E-04
9.20E+01	-8.74E-04	3.64E-03	3.91E-05
9.20E+01	-1.01E-03	3.94E-03	-1.22E-04
9.21E+01	-9.69E-04	4.13E-03	-3.46E-04
9.21E+01	-7.45E-04	4.23E-03	-5.87E-04
9.21E+01	-3.41E-04	4.28E-03	-7.77E-04
9.21E+01	1.20E-04	4.23E-03	-9.07E-04
9.21E+01	6.08E-04	4.07E-03	-9.94E-04
9.21E+01	1.10E-03	3.85E-03	-9.22E-04
9.21E+01	1.52E-03	3.58E-03	-7.53E-04
9.21E+01	1.78E-03	3.23E-03	-6.94E-04
9.21E+01	1.86E-03	2.84E-03	-7.11E-04
9.21E+01	1.83E-03	2.54E-03	-6.86E-04

9.21E+01	1.64E-03	2.30E-03	-4.13E-04
9.21E+01	1.36E-03	2.17E-03	4.54E-05
9.21E+01	9.56E-04	2.12E-03	4.00E-04
9.21E+01	4.56E-04	2.10E-03	7.29E-04
9.21E+01	1.18E-05	2.14E-03	1.03E-03
9.21E+01	-4.42E-04	2.17E-03	1.20E-03
9.21E+01	-9.34E-04	2.15E-03	1.35E-03
9.21E+01	-1.38E-03	2.12E-03	1.54E-03
9.21E+01	-1.75E-03	2.06E-03	1.82E-03
9.21E+01	-2.08E-03	1.95E-03	2.11E-03
9.22E+01	-2.33E-03	1.77E-03	2.40E-03
9.22E+01	-2.46E-03	1.58E-03	2.82E-03
9.22E+01	-2.47E-03	1.45E-03	3.28E-03
9.22E+01	-2.36E-03	1.31E-03	3.56E-03
9.22E+01	-2.18E-03	1.21E-03	3.67E-03
9.22E+01	-1.89E-03	1.23E-03	3.65E-03
9.22E+01	-1.44E-03	1.39E-03	3.46E-03
9.22E+01	-9.66E-04	1.63E-03	3.15E-03
9.22E+01	-5.96E-04	1.88E-03	2.76E-03
9.22E+01	-2.92E-04	2.19E-03	2.31E-03
9.22E+01	-6.98E-05	2.53E-03	1.81E-03
9.22E+01	6.31E-05	2.87E-03	1.30E-03
9.22E+01	1.01E-04	3.18E-03	9.11E-04
9.22E+01	7.46E-05	3.47E-03	6.47E-04
9.22E+01	5.00E-05	3.82E-03	4.81E-04
9.22E+01	-9.35E-06	4.12E-03	4.84E-04
9.22E+01	-9.17E-05	4.35E-03	6.70E-04
9.22E+01	-1.01E-04	4.63E-03	1.09E-03
9.22E+01	1.18E-05	4.92E-03	1.60E-03
9.22E+01	2.27E-04	5.10E-03	1.97E-03
9.23E+01	5.09E-04	5.17E-03	2.32E-03
9.23E+01	8.60E-04	5.19E-03	2.65E-03
9.23E+01	1.34E-03	5.19E-03	2.81E-03
9.23E+01	1.87E-03	5.18E-03	2.86E-03
9.23E+01	2.34E-03	5.15E-03	2.80E-03
9.23E+01	2.77E-03	5.09E-03	2.76E-03
9.23E+01	3.13E-03	5.08E-03	2.82E-03
9.23E+01	3.44E-03	5.07E-03	2.67E-03
9.23E+01	3.63E-03	5.03E-03	2.33E-03
9.23E+01	3.67E-03	5.03E-03	2.02E-03
9.23E+01	3.71E-03	5.04E-03	1.70E-03
9.23E+01	3.77E-03	5.10E-03	1.43E-03
9.23E+01	3.79E-03	5.14E-03	1.26E-03
9.23E+01	3.87E-03	5.19E-03	1.18E-03
9.23E+01	4.02E-03	5.30E-03	1.21E-03
9.23E+01	4.24E-03	5.35E-03	1.16E-03
9.23E+01	4.52E-03	5.41E-03	1.06E-03

9.23E+01	4.80E-03	5.52E-03	1.08E-03
9.23E+01	5.13E-03	5.65E-03	1.10E-03
9.23E+01	5.47E-03	5.87E-03	1.12E-03
9.24E+01	5.67E-03	6.03E-03	1.21E-03
9.24E+01	5.85E-03	6.14E-03	1.31E-03
9.24E+01	5.95E-03	6.24E-03	1.56E-03
9.24E+01	5.91E-03	6.25E-03	1.81E-03
9.24E+01	5.76E-03	6.16E-03	1.81E-03
9.24E+01	5.43E-03	5.95E-03	1.81E-03
9.24E+01	4.99E-03	5.76E-03	1.92E-03
9.24E+01	4.46E-03	5.51E-03	2.12E-03
9.24E+01	3.79E-03	5.23E-03	2.39E-03
9.24E+01	3.08E-03	4.90E-03	2.53E-03
9.24E+01	2.36E-03	4.42E-03	2.57E-03
9.24E+01	1.74E-03	3.92E-03	2.63E-03
9.24E+01	1.25E-03	3.35E-03	2.66E-03
9.24E+01	8.44E-04	2.78E-03	2.65E-03
9.24E+01	5.88E-04	2.32E-03	2.61E-03
9.24E+01	5.15E-04	1.92E-03	2.60E-03
9.24E+01	5.55E-04	1.57E-03	2.57E-03
9.24E+01	6.78E-04	1.23E-03	2.43E-03
9.24E+01	8.88E-04	9.28E-04	2.24E-03
9.24E+01	1.14E-03	6.99E-04	1.89E-03
9.25E+01	1.39E-03	5.62E-04	1.36E-03
9.25E+01	1.59E-03	5.36E-04	8.11E-04
9.25E+01	1.77E-03	6.88E-04	3.74E-04
9.25E+01	1.97E-03	1.06E-03	7.76E-05
9.25E+01	2.08E-03	1.55E-03	-8.72E-05
9.25E+01	2.04E-03	2.04E-03	-1.65E-04
9.25E+01	1.92E-03	2.54E-03	-8.54E-05
9.25E+01	1.74E-03	3.02E-03	1.07E-04
9.25E+01	1.49E-03	3.42E-03	1.94E-04
9.25E+01	1.19E-03	3.77E-03	2.63E-04
9.25E+01	8.55E-04	4.09E-03	4.67E-04
9.25E+01	5.49E-04	4.38E-03	8.16E-04
9.25E+01	2.42E-04	4.60E-03	1.27E-03
9.25E+01	-6.90E-05	4.73E-03	1.65E-03
9.25E+01	-3.03E-04	4.75E-03	1.96E-03
9.25E+01	-4.41E-04	4.70E-03	2.16E-03
9.25E+01	-4.75E-04	4.51E-03	2.06E-03
9.25E+01	-3.92E-04	4.26E-03	1.79E-03
9.25E+01	-2.14E-04	3.98E-03	1.47E-03
9.25E+01	6.07E-05	3.68E-03	1.14E-03
9.26E+01	3.36E-04	3.41E-03	8.51E-04
9.26E+01	5.30E-04	3.18E-03	5.56E-04
9.26E+01	6.71E-04	3.03E-03	2.94E-04
9.26E+01	7.25E-04	2.98E-03	1.07E-04

9.26E+01	7.04E-04	3.02E-03	-1.01E-04
9.26E+01	5.89E-04	3.15E-03	-2.91E-04
9.26E+01	3.46E-04	3.36E-03	-4.06E-04
9.26E+01	9.27E-05	3.67E-03	-4.44E-04
9.26E+01	-1.55E-04	4.03E-03	-3.40E-04
9.26E+01	-4.38E-04	4.37E-03	-9.38E-05
9.26E+01	-6.76E-04	4.67E-03	2.40E-04
9.26E+01	-8.27E-04	4.92E-03	6.51E-04
9.26E+01	-8.67E-04	5.08E-03	1.02E-03
9.26E+01	-7.93E-04	5.15E-03	1.22E-03
9.26E+01	-6.41E-04	5.17E-03	1.27E-03
9.26E+01	-3.92E-04	5.19E-03	1.18E-03
9.26E+01	-1.09E-04	5.30E-03	9.75E-04
9.26E+01	1.08E-04	5.48E-03	6.65E-04
9.26E+01	2.84E-04	5.70E-03	2.73E-04
9.26E+01	4.27E-04	5.97E-03	-1.11E-05
9.27E+01	5.28E-04	6.25E-03	-1.73E-04
9.27E+01	5.82E-04	6.43E-03	-2.60E-04
9.27E+01	5.86E-04	6.52E-03	-3.09E-04
9.27E+01	6.48E-04	6.54E-03	-4.14E-04
9.27E+01	8.15E-04	6.54E-03	-4.81E-04
9.27E+01	1.03E-03	6.51E-03	-3.85E-04
9.27E+01	1.31E-03	6.43E-03	-1.30E-04
9.27E+01	1.65E-03	6.32E-03	2.69E-04
9.27E+01	1.99E-03	6.13E-03	6.77E-04
9.27E+01	2.29E-03	5.85E-03	9.66E-04
9.27E+01	2.50E-03	5.51E-03	1.19E-03
9.27E+01	2.67E-03	5.14E-03	1.30E-03
9.27E+01	2.82E-03	4.83E-03	1.40E-03
9.27E+01	2.85E-03	4.58E-03	1.54E-03
9.27E+01	2.82E-03	4.39E-03	1.57E-03
9.27E+01	2.78E-03	4.26E-03	1.61E-03
9.27E+01	2.72E-03	4.21E-03	1.64E-03
9.27E+01	2.64E-03	4.19E-03	1.49E-03
9.27E+01	2.46E-03	4.14E-03	1.33E-03
9.27E+01	2.25E-03	4.14E-03	1.19E-03
9.28E+01	2.11E-03	4.17E-03	1.06E-03
9.28E+01	1.96E-03	4.22E-03	1.00E-03
9.28E+01	1.84E-03	4.28E-03	8.79E-04
9.28E+01	1.77E-03	4.30E-03	7.14E-04
9.28E+01	1.78E-03	4.31E-03	5.24E-04
9.28E+01	1.85E-03	4.23E-03	2.32E-04
9.28E+01	1.93E-03	4.10E-03	-4.20E-05
9.28E+01	1.99E-03	3.94E-03	-2.15E-04
9.28E+01	2.09E-03	3.81E-03	-1.91E-04
9.28E+01	2.14E-03	3.67E-03	-6.66E-05
9.28E+01	2.05E-03	3.44E-03	-2.99E-05

9.28E+01	1.91E-03	3.24E-03	4.22E-05
9.28E+01	1.70E-03	3.06E-03	2.08E-04
9.28E+01	1.43E-03	2.85E-03	4.30E-04
9.28E+01	1.05E-03	2.69E-03	7.25E-04
9.28E+01	5.58E-04	2.56E-03	9.92E-04
9.28E+01	6.12E-05	2.46E-03	1.13E-03
9.28E+01	-5.00E-04	2.40E-03	1.11E-03
9.28E+01	-1.15E-03	2.31E-03	9.03E-04
9.28E+01	-1.76E-03	2.19E-03	6.36E-04
9.29E+01	-2.34E-03	2.18E-03	4.88E-04
9.29E+01	-2.84E-03	2.20E-03	3.26E-04
9.29E+01	-3.28E-03	2.27E-03	1.33E-04
9.29E+01	-3.68E-03	2.47E-03	7.63E-06
9.29E+01	-3.99E-03	2.73E-03	-8.87E-05
9.29E+01	-4.29E-03	3.01E-03	-1.02E-04
9.29E+01	-4.59E-03	3.33E-03	-9.77E-05
9.29E+01	-4.85E-03	3.63E-03	-1.24E-04
9.29E+01	-5.02E-03	3.97E-03	-8.75E-05
9.29E+01	-5.08E-03	4.33E-03	-6.20E-05
9.29E+01	-5.03E-03	4.67E-03	-9.44E-05
9.29E+01	-4.93E-03	4.99E-03	-1.71E-04
9.29E+01	-4.72E-03	5.29E-03	-3.01E-04
9.29E+01	-4.43E-03	5.59E-03	-3.87E-04
9.29E+01	-4.14E-03	5.78E-03	-4.49E-04
9.29E+01	-3.80E-03	5.86E-03	-5.01E-04
9.29E+01	-3.42E-03	5.90E-03	-4.10E-04
9.29E+01	-3.00E-03	5.84E-03	-2.79E-04
9.29E+01	-2.58E-03	5.67E-03	-1.81E-04
9.29E+01	-2.22E-03	5.50E-03	-3.55E-05
9.30E+01	-1.88E-03	5.34E-03	6.77E-05
9.30E+01	-1.55E-03	5.19E-03	6.29E-05
9.30E+01	-1.33E-03	5.03E-03	-7.53E-05
9.30E+01	-1.19E-03	4.80E-03	-3.49E-04
9.30E+01	-1.08E-03	4.49E-03	-6.01E-04
9.30E+01	-1.01E-03	4.16E-03	-7.42E-04
9.30E+01	-1.00E-03	3.80E-03	-8.43E-04
9.30E+01	-1.10E-03	3.38E-03	-9.51E-04
9.30E+01	-1.20E-03	3.02E-03	-1.04E-03
9.30E+01	-1.27E-03	2.73E-03	-1.07E-03
9.30E+01	-1.34E-03	2.46E-03	-1.10E-03
9.30E+01	-1.36E-03	2.18E-03	-1.21E-03
9.30E+01	-1.32E-03	1.89E-03	-1.24E-03
9.30E+01	-1.22E-03	1.53E-03	-1.19E-03
9.30E+01	-1.06E-03	1.11E-03	-1.13E-03
9.30E+01	-9.20E-04	6.28E-04	-9.95E-04
9.30E+01	-7.62E-04	1.28E-04	-7.87E-04
9.30E+01	-5.39E-04	-2.99E-04	-4.95E-04

9.30E+01	-3.52E-04	-7.03E-04	-1.61E-04
9.30E+01	-1.76E-04	-1.05E-03	4.08E-05
9.31E+01	2.94E-05	-1.30E-03	1.45E-04
9.31E+01	2.10E-04	-1.43E-03	1.49E-04
9.31E+01	3.75E-04	-1.49E-03	1.35E-05
9.31E+01	4.55E-04	-1.54E-03	-1.04E-04
9.31E+01	4.59E-04	-1.56E-03	-1.62E-04
9.31E+01	4.20E-04	-1.58E-03	-2.08E-04
9.31E+01	2.64E-04	-1.67E-03	-2.46E-04
9.31E+01	1.47E-05	-1.80E-03	-3.11E-04
9.31E+01	-3.18E-04	-1.93E-03	-3.61E-04
9.31E+01	-6.83E-04	-1.98E-03	-3.84E-04
9.31E+01	-1.03E-03	-1.95E-03	-4.78E-04
9.31E+01	-1.42E-03	-1.84E-03	-5.96E-04
9.31E+01	-1.76E-03	-1.64E-03	-6.27E-04
9.31E+01	-1.99E-03	-1.36E-03	-5.42E-04
9.31E+01	-2.16E-03	-1.06E-03	-4.21E-04
9.31E+01	-2.28E-03	-8.50E-04	-4.20E-04
9.31E+01	-2.33E-03	-7.39E-04	-5.18E-04
9.31E+01	-2.35E-03	-7.29E-04	-6.26E-04
9.31E+01	-2.36E-03	-8.34E-04	-8.03E-04
9.31E+01	-2.42E-03	-9.90E-04	-1.03E-03
9.32E+01	-2.56E-03	-1.15E-03	-1.19E-03
9.32E+01	-2.70E-03	-1.31E-03	-1.25E-03
9.32E+01	-2.88E-03	-1.43E-03	-1.17E-03
9.32E+01	-3.15E-03	-1.53E-03	-1.06E-03
9.32E+01	-3.43E-03	-1.63E-03	-9.93E-04
9.32E+01	-3.67E-03	-1.68E-03	-9.48E-04
9.32E+01	-3.83E-03	-1.73E-03	-1.07E-03
9.32E+01	-3.90E-03	-1.85E-03	-1.32E-03
9.32E+01	-3.91E-03	-2.01E-03	-1.53E-03
9.32E+01	-3.77E-03	-2.24E-03	-1.64E-03
9.32E+01	-3.50E-03	-2.56E-03	-1.57E-03
9.32E+01	-3.22E-03	-2.97E-03	-1.43E-03
9.32E+01	-2.85E-03	-3.46E-03	-1.39E-03
9.32E+01	-2.35E-03	-3.91E-03	-1.34E-03
9.32E+01	-1.81E-03	-4.26E-03	-1.32E-03
9.32E+01	-1.27E-03	-4.47E-03	-1.26E-03
9.32E+01	-7.80E-04	-4.49E-03	-1.09E-03
9.32E+01	-3.67E-04	-4.38E-03	-9.23E-04
9.32E+01	-6.98E-05	-4.17E-03	-7.09E-04
9.32E+01	-9.54E-06	-3.96E-03	-4.65E-04
9.33E+01	-1.26E-04	-3.82E-03	-3.33E-04
9.33E+01	-3.34E-04	-3.75E-03	-2.11E-04
9.33E+01	-5.80E-04	-3.76E-03	-1.14E-04
9.33E+01	-8.08E-04	-3.83E-03	-6.12E-05
9.33E+01	-1.04E-03	-3.92E-03	3.74E-05

9.33E+01	-1.16E-03	-3.99E-03	1.49E-04
9.33E+01	-1.17E-03	-4.02E-03	2.82E-04
9.33E+01	-1.13E-03	-4.08E-03	3.75E-04
9.33E+01	-1.03E-03	-4.24E-03	3.56E-04
9.33E+01	-9.36E-04	-4.48E-03	2.42E-04
9.33E+01	-8.66E-04	-4.79E-03	-3.53E-05
9.33E+01	-7.92E-04	-5.06E-03	-4.69E-04
9.33E+01	-8.13E-04	-5.22E-03	-9.39E-04
9.33E+01	-8.63E-04	-5.25E-03	-1.36E-03
9.33E+01	-9.29E-04	-5.12E-03	-1.64E-03
9.33E+01	-1.12E-03	-4.84E-03	-1.73E-03
9.33E+01	-1.40E-03	-4.51E-03	-1.71E-03
9.33E+01	-1.77E-03	-4.13E-03	-1.51E-03
9.33E+01	-2.18E-03	-3.73E-03	-1.17E-03
9.33E+01	-2.55E-03	-3.46E-03	-8.88E-04
9.34E+01	-2.91E-03	-3.34E-03	-6.61E-04
9.34E+01	-3.21E-03	-3.28E-03	-4.73E-04
9.34E+01	-3.33E-03	-3.27E-03	-3.76E-04
9.34E+01	-3.33E-03	-3.28E-03	-3.09E-04
9.34E+01	-3.20E-03	-3.38E-03	-3.07E-04
9.34E+01	-2.93E-03	-3.53E-03	-3.42E-04
9.34E+01	-2.55E-03	-3.69E-03	-3.89E-04
9.34E+01	-2.15E-03	-3.97E-03	-5.91E-04
9.34E+01	-1.75E-03	-4.24E-03	-7.68E-04
9.34E+01	-1.34E-03	-4.37E-03	-8.50E-04
9.34E+01	-9.07E-04	-4.48E-03	-1.00E-03
9.34E+01	-4.99E-04	-4.50E-03	-1.01E-03
9.34E+01	-1.84E-04	-4.41E-03	-9.20E-04
9.34E+01	5.40E-05	-4.36E-03	-8.69E-04
9.34E+01	1.90E-04	-4.35E-03	-7.02E-04
9.34E+01	2.21E-04	-4.41E-03	-6.00E-04
9.34E+01	1.41E-04	-4.58E-03	-5.94E-04
9.34E+01	-5.59E-05	-4.79E-03	-5.60E-04
9.34E+01	-2.40E-04	-4.99E-03	-5.79E-04
9.34E+01	-4.41E-04	-5.13E-03	-5.64E-04
9.35E+01	-7.30E-04	-5.19E-03	-5.33E-04
9.35E+01	-1.00E-03	-5.16E-03	-4.62E-04
9.35E+01	-1.26E-03	-4.96E-03	-2.25E-04
9.35E+01	-1.55E-03	-4.67E-03	1.01E-04
9.35E+01	-1.88E-03	-4.33E-03	5.25E-04
9.35E+01	-2.26E-03	-3.93E-03	9.68E-04
9.35E+01	-2.60E-03	-3.62E-03	1.34E-03
9.35E+01	-2.90E-03	-3.37E-03	1.74E-03
9.35E+01	-3.27E-03	-3.23E-03	2.10E-03
9.35E+01	-3.63E-03	-3.21E-03	2.39E-03
9.35E+01	-3.88E-03	-3.14E-03	2.66E-03
9.35E+01	-4.07E-03	-3.09E-03	2.72E-03

9.35E+01	-4.17E-03	-3.10E-03	2.51E-03
9.35E+01	-4.12E-03	-3.07E-03	2.12E-03
9.35E+01	-3.85E-03	-3.05E-03	1.54E-03
9.35E+01	-3.31E-03	-3.03E-03	8.38E-04
9.35E+01	-2.61E-03	-3.04E-03	1.08E-04
9.35E+01	-1.84E-03	-3.17E-03	-5.93E-04
9.35E+01	-1.05E-03	-3.31E-03	-1.07E-03
9.35E+01	-3.65E-04	-3.46E-03	-1.40E-03
9.36E+01	1.17E-04	-3.77E-03	-1.77E-03
9.36E+01	4.03E-04	-4.12E-03	-1.98E-03
9.36E+01	5.48E-04	-4.43E-03	-1.94E-03
9.36E+01	5.66E-04	-4.76E-03	-1.74E-03
9.36E+01	4.11E-04	-5.02E-03	-1.38E-03
9.36E+01	1.86E-04	-5.24E-03	-9.89E-04
9.36E+01	7.63E-07	-5.39E-03	-5.91E-04
9.36E+01	-1.37E-04	-5.48E-03	-2.32E-04
9.36E+01	-1.89E-04	-5.64E-03	4.96E-06
9.36E+01	-1.85E-04	-5.82E-03	2.53E-04
9.36E+01	-1.02E-04	-6.03E-03	4.50E-04
9.36E+01	3.60E-05	-6.37E-03	4.85E-04
9.36E+01	1.02E-04	-6.80E-03	4.13E-04
9.36E+01	1.27E-04	-7.29E-03	2.88E-04
9.36E+01	1.11E-04	-7.79E-03	2.33E-04
9.36E+01	2.04E-05	-8.23E-03	2.70E-04
9.36E+01	-1.20E-04	-8.61E-03	3.45E-04
9.36E+01	-3.30E-04	-8.86E-03	4.97E-04
9.36E+01	-5.45E-04	-8.99E-03	7.05E-04
9.36E+01	-6.70E-04	-9.03E-03	9.39E-04
9.37E+01	-7.28E-04	-9.02E-03	1.14E-03
9.37E+01	-7.33E-04	-8.98E-03	1.24E-03
9.37E+01	-6.39E-04	-8.87E-03	1.32E-03
9.37E+01	-4.45E-04	-8.68E-03	1.38E-03
9.37E+01	-1.80E-04	-8.56E-03	1.34E-03
9.37E+01	1.01E-04	-8.38E-03	1.28E-03
9.37E+01	3.58E-04	-8.29E-03	1.25E-03
9.37E+01	6.86E-04	-8.35E-03	1.21E-03
9.37E+01	9.92E-04	-8.39E-03	1.30E-03
9.37E+01	1.15E-03	-8.64E-03	1.38E-03
9.37E+01	1.26E-03	-8.94E-03	1.37E-03
9.37E+01	1.32E-03	-9.12E-03	1.51E-03
9.37E+01	1.23E-03	-9.34E-03	1.63E-03
9.37E+01	1.01E-03	-9.51E-03	1.76E-03
9.37E+01	7.20E-04	-9.62E-03	1.86E-03
9.37E+01	4.21E-04	-9.69E-03	1.81E-03
9.37E+01	1.30E-04	-9.67E-03	1.75E-03
9.37E+01	-1.64E-04	-9.57E-03	1.55E-03
9.37E+01	-4.09E-04	-9.42E-03	1.31E-03

9.37E+01	-5.65E-04	-9.13E-03	1.29E-03
9.38E+01	-6.60E-04	-8.77E-03	1.29E-03
9.38E+01	-7.45E-04	-8.36E-03	1.22E-03
9.38E+01	-8.58E-04	-7.87E-03	1.21E-03
9.38E+01	-9.35E-04	-7.31E-03	1.31E-03
9.38E+01	-9.88E-04	-6.64E-03	1.54E-03
9.38E+01	-1.13E-03	-5.93E-03	1.80E-03
9.38E+01	-1.33E-03	-5.24E-03	1.94E-03
9.38E+01	-1.56E-03	-4.51E-03	1.98E-03
9.38E+01	-1.86E-03	-3.86E-03	1.92E-03
9.38E+01	-2.20E-03	-3.32E-03	1.75E-03
9.38E+01	-2.59E-03	-2.85E-03	1.55E-03
9.38E+01	-2.97E-03	-2.53E-03	1.31E-03
9.38E+01	-3.34E-03	-2.38E-03	1.16E-03
9.38E+01	-3.78E-03	-2.33E-03	1.07E-03
9.38E+01	-4.25E-03	-2.43E-03	8.80E-04
9.38E+01	-4.67E-03	-2.62E-03	6.83E-04
9.38E+01	-5.06E-03	-2.87E-03	4.73E-04
9.38E+01	-5.50E-03	-3.21E-03	2.65E-04
9.38E+01	-5.96E-03	-3.62E-03	1.45E-04
9.38E+01	-6.39E-03	-4.05E-03	1.33E-04
9.39E+01	-6.84E-03	-4.45E-03	1.78E-04
9.39E+01	-7.29E-03	-4.86E-03	1.71E-04
9.39E+01	-7.69E-03	-5.25E-03	1.30E-04
9.39E+01	-7.98E-03	-5.54E-03	1.77E-04
9.39E+01	-8.15E-03	-5.74E-03	2.88E-04
9.39E+01	-8.27E-03	-5.86E-03	3.73E-04
9.39E+01	-8.30E-03	-5.85E-03	5.13E-04
9.39E+01	-8.18E-03	-5.70E-03	6.78E-04
9.39E+01	-7.89E-03	-5.51E-03	7.74E-04
9.39E+01	-7.53E-03	-5.34E-03	8.67E-04
9.39E+01	-7.14E-03	-5.24E-03	9.16E-04
9.39E+01	-6.71E-03	-5.23E-03	9.16E-04
9.39E+01	-6.29E-03	-5.29E-03	9.23E-04
9.39E+01	-5.93E-03	-5.40E-03	9.21E-04
9.39E+01	-5.65E-03	-5.51E-03	9.62E-04
9.39E+01	-5.47E-03	-5.58E-03	1.01E-03
9.39E+01	-5.33E-03	-5.60E-03	1.05E-03
9.39E+01	-5.25E-03	-5.58E-03	1.06E-03
9.39E+01	-5.28E-03	-5.54E-03	9.62E-04
9.39E+01	-5.36E-03	-5.45E-03	8.11E-04
9.40E+01	-5.45E-03	-5.29E-03	6.55E-04
9.40E+01	-5.52E-03	-5.12E-03	4.68E-04
9.40E+01	-5.58E-03	-4.98E-03	2.94E-04
9.40E+01	-5.62E-03	-4.86E-03	1.67E-04
9.40E+01	-5.56E-03	-4.81E-03	4.86E-05
9.40E+01	-5.47E-03	-4.83E-03	-4.65E-05

9.40E+01	-5.34E-03	-4.90E-03	-9.50E-05
9.40E+01	-5.12E-03	-4.98E-03	-1.01E-04
9.40E+01	-4.85E-03	-5.04E-03	-1.51E-05
9.40E+01	-4.56E-03	-5.04E-03	6.26E-05
9.40E+01	-4.29E-03	-4.99E-03	5.91E-05
9.40E+01	-4.08E-03	-4.85E-03	6.68E-05
9.40E+01	-3.86E-03	-4.59E-03	1.08E-04
9.40E+01	-3.64E-03	-4.27E-03	1.76E-04
9.40E+01	-3.44E-03	-3.96E-03	3.03E-04
9.40E+01	-3.23E-03	-3.66E-03	6.11E-04
9.40E+01	-2.96E-03	-3.41E-03	1.11E-03
9.40E+01	-2.65E-03	-3.25E-03	1.58E-03
9.40E+01	-2.34E-03	-3.17E-03	1.91E-03
9.40E+01	-2.07E-03	-3.14E-03	2.03E-03
9.41E+01	-1.73E-03	-3.13E-03	1.89E-03
9.41E+01	-1.36E-03	-3.14E-03	1.59E-03
9.41E+01	-1.06E-03	-3.19E-03	1.14E-03
9.41E+01	-7.85E-04	-3.26E-03	6.77E-04
9.41E+01	-5.26E-04	-3.30E-03	4.11E-04
9.41E+01	-3.08E-04	-3.33E-03	2.70E-04
9.41E+01	-1.45E-04	-3.35E-03	1.70E-04
9.41E+01	-5.17E-05	-3.30E-03	1.02E-04
9.41E+01	7.10E-05	-3.11E-03	-4.01E-05
9.41E+01	2.46E-04	-2.74E-03	-2.71E-04
9.41E+01	4.22E-04	-2.26E-03	-5.40E-04
9.41E+01	6.49E-04	-1.67E-03	-7.41E-04
9.41E+01	9.14E-04	-9.74E-04	-7.09E-04
9.41E+01	1.16E-03	-2.80E-04	-4.82E-04
9.41E+01	1.29E-03	2.88E-04	-1.94E-04
9.41E+01	1.26E-03	7.17E-04	1.33E-04
9.41E+01	1.13E-03	1.04E-03	3.60E-04
9.41E+01	9.05E-04	1.28E-03	4.07E-04
9.41E+01	5.78E-04	1.44E-03	3.80E-04
9.41E+01	2.15E-04	1.57E-03	3.78E-04
9.42E+01	-1.30E-04	1.68E-03	5.21E-04
9.42E+01	-4.29E-04	1.69E-03	7.04E-04
9.42E+01	-6.74E-04	1.58E-03	8.13E-04
9.42E+01	-8.99E-04	1.36E-03	9.22E-04
9.42E+01	-1.03E-03	1.06E-03	1.00E-03
9.42E+01	-1.01E-03	7.88E-04	1.03E-03
9.42E+01	-9.35E-04	5.45E-04	9.27E-04
9.42E+01	-8.20E-04	3.56E-04	6.45E-04
9.42E+01	-6.38E-04	2.72E-04	3.95E-04
9.42E+01	-4.16E-04	2.55E-04	3.39E-04
9.42E+01	-1.73E-04	2.56E-04	3.89E-04
9.42E+01	3.60E-05	2.42E-04	4.69E-04
9.42E+01	2.62E-04	1.86E-04	4.99E-04

9.42E+01	5.73E-04	9.44E-05	4.44E-04
9.42E+01	9.14E-04	-3.55E-05	3.81E-04
9.42E+01	1.25E-03	-2.16E-04	3.02E-04
9.42E+01	1.59E-03	-3.88E-04	2.49E-04
9.42E+01	1.88E-03	-5.35E-04	2.34E-04
9.42E+01	2.08E-03	-6.81E-04	2.00E-04
9.42E+01	2.15E-03	-7.79E-04	2.35E-04
9.43E+01	2.14E-03	-7.88E-04	3.28E-04
9.43E+01	2.13E-03	-6.67E-04	4.23E-04
9.43E+01	2.09E-03	-4.34E-04	5.54E-04
9.43E+01	2.03E-03	-1.56E-04	6.29E-04
9.43E+01	1.98E-03	1.80E-04	6.33E-04
9.43E+01	1.96E-03	6.06E-04	6.28E-04
9.43E+01	1.91E-03	1.05E-03	5.74E-04
9.43E+01	1.79E-03	1.47E-03	4.94E-04
9.43E+01	1.58E-03	1.85E-03	4.26E-04
9.43E+01	1.37E-03	2.21E-03	3.52E-04
9.43E+01	1.13E-03	2.60E-03	2.40E-04
9.43E+01	8.59E-04	2.98E-03	-2.56E-05
9.43E+01	6.55E-04	3.37E-03	-3.70E-04
9.43E+01	5.55E-04	3.81E-03	-6.94E-04
9.43E+01	5.52E-04	4.22E-03	-1.12E-03
9.43E+01	6.16E-04	4.60E-03	-1.56E-03
9.43E+01	6.78E-04	4.95E-03	-1.91E-03
9.43E+01	8.18E-04	5.24E-03	-2.17E-03
9.43E+01	9.96E-04	5.45E-03	-2.33E-03
9.43E+01	1.14E-03	5.51E-03	-2.45E-03
9.44E+01	1.31E-03	5.45E-03	-2.46E-03
9.44E+01	1.49E-03	5.34E-03	-2.30E-03
9.44E+01	1.66E-03	5.17E-03	-2.08E-03
9.44E+01	1.76E-03	4.98E-03	-1.85E-03
9.44E+01	1.75E-03	4.84E-03	-1.66E-03
9.44E+01	1.75E-03	4.76E-03	-1.61E-03
9.44E+01	1.76E-03	4.75E-03	-1.63E-03
9.44E+01	1.76E-03	4.81E-03	-1.63E-03
9.44E+01	1.80E-03	4.87E-03	-1.59E-03
9.44E+01	1.87E-03	4.97E-03	-1.41E-03
9.44E+01	2.00E-03	5.08E-03	-1.10E-03
9.44E+01	2.14E-03	5.14E-03	-7.76E-04
9.44E+01	2.24E-03	5.16E-03	-4.65E-04
9.44E+01	2.36E-03	5.18E-03	-2.35E-04
9.44E+01	2.45E-03	5.18E-03	-1.04E-04
9.44E+01	2.49E-03	5.16E-03	-8.62E-05
9.44E+01	2.49E-03	5.10E-03	-2.09E-04
9.44E+01	2.47E-03	5.05E-03	-3.24E-04
9.44E+01	2.41E-03	5.02E-03	-4.20E-04
9.44E+01	2.33E-03	4.96E-03	-5.56E-04

9.45E+01	2.16E-03	4.89E-03	-7.05E-04
9.45E+01	1.95E-03	4.80E-03	-9.56E-04
9.45E+01	1.72E-03	4.73E-03	-1.34E-03
9.45E+01	1.42E-03	4.64E-03	-1.82E-03
9.45E+01	1.09E-03	4.52E-03	-2.27E-03
9.45E+01	7.91E-04	4.46E-03	-2.50E-03
9.45E+01	5.54E-04	4.48E-03	-2.57E-03
9.45E+01	3.99E-04	4.43E-03	-2.60E-03
9.45E+01	2.76E-04	4.35E-03	-2.48E-03
9.45E+01	2.19E-04	4.24E-03	-2.20E-03
9.45E+01	2.26E-04	4.08E-03	-1.86E-03
9.45E+01	1.91E-04	3.88E-03	-1.48E-03
9.45E+01	1.23E-04	3.63E-03	-1.19E-03
9.45E+01	8.14E-05	3.36E-03	-9.02E-04
9.45E+01	5.28E-05	3.11E-03	-5.89E-04
9.45E+01	3.41E-05	2.84E-03	-3.38E-04
9.45E+01	1.14E-05	2.58E-03	-5.87E-05
9.45E+01	2.10E-06	2.35E-03	2.67E-04
9.45E+01	6.45E-05	2.17E-03	5.67E-04
9.45E+01	1.34E-04	2.04E-03	8.21E-04
9.46E+01	1.86E-04	1.93E-03	9.19E-04
9.46E+01	2.56E-04	1.90E-03	8.94E-04
9.46E+01	2.92E-04	1.96E-03	8.28E-04
9.46E+01	2.66E-04	2.07E-03	6.87E-04
9.46E+01	1.12E-04	2.21E-03	5.53E-04
9.46E+01	-1.75E-04	2.37E-03	4.23E-04
9.46E+01	-4.93E-04	2.53E-03	2.56E-04
9.46E+01	-8.50E-04	2.65E-03	1.18E-04
9.46E+01	-1.20E-03	2.68E-03	-9.35E-06
9.46E+01	-1.44E-03	2.67E-03	-7.00E-05
9.46E+01	-1.55E-03	2.69E-03	2.19E-05
9.46E+01	-1.50E-03	2.69E-03	1.85E-04
9.46E+01	-1.36E-03	2.68E-03	3.85E-04
9.46E+01	-1.15E-03	2.64E-03	5.87E-04
9.46E+01	-8.32E-04	2.56E-03	7.29E-04
9.46E+01	-4.31E-04	2.44E-03	8.45E-04
9.46E+01	3.81E-07	2.26E-03	8.92E-04
9.46E+01	4.77E-04	2.08E-03	8.83E-04
9.46E+01	9.59E-04	1.97E-03	9.01E-04
9.46E+01	1.45E-03	1.92E-03	8.99E-04
9.47E+01	1.89E-03	1.93E-03	9.12E-04
9.47E+01	2.21E-03	1.95E-03	9.52E-04
9.47E+01	2.48E-03	1.98E-03	9.75E-04
9.47E+01	2.65E-03	1.97E-03	9.64E-04
9.47E+01	2.66E-03	1.83E-03	8.05E-04
9.47E+01	2.62E-03	1.57E-03	5.70E-04
9.47E+01	2.55E-03	1.23E-03	4.26E-04

9.47E+01	2.50E-03	7.80E-04	2.83E-04
9.47E+01	2.45E-03	1.94E-04	4.50E-05
9.47E+01	2.40E-03	-4.68E-04	-2.29E-04
9.47E+01	2.41E-03	-1.14E-03	-4.95E-04
9.47E+01	2.52E-03	-1.76E-03	-7.21E-04
9.47E+01	2.66E-03	-2.33E-03	-9.01E-04
9.47E+01	2.82E-03	-2.83E-03	-1.01E-03
9.47E+01	3.01E-03	-3.16E-03	-1.02E-03
9.47E+01	3.20E-03	-3.34E-03	-1.06E-03
9.47E+01	3.39E-03	-3.38E-03	-1.13E-03
9.47E+01	3.53E-03	-3.22E-03	-1.18E-03
9.47E+01	3.65E-03	-2.95E-03	-1.27E-03
9.47E+01	3.77E-03	-2.57E-03	-1.35E-03
9.48E+01	3.80E-03	-2.12E-03	-1.40E-03
9.48E+01	3.76E-03	-1.69E-03	-1.42E-03
9.48E+01	3.69E-03	-1.22E-03	-1.34E-03
9.48E+01	3.56E-03	-7.46E-04	-1.22E-03
9.48E+01	3.39E-03	-3.04E-04	-1.18E-03
9.48E+01	3.18E-03	1.37E-04	-1.15E-03
9.48E+01	2.96E-03	5.60E-04	-1.09E-03
9.48E+01	2.78E-03	9.67E-04	-1.07E-03
9.48E+01	2.58E-03	1.29E-03	-1.17E-03
9.48E+01	2.37E-03	1.54E-03	-1.31E-03
9.48E+01	2.17E-03	1.76E-03	-1.36E-03
9.48E+01	1.97E-03	1.95E-03	-1.30E-03
9.48E+01	1.75E-03	2.09E-03	-1.30E-03
9.48E+01	1.50E-03	2.21E-03	-1.34E-03
9.48E+01	1.24E-03	2.34E-03	-1.36E-03
9.48E+01	1.02E-03	2.51E-03	-1.33E-03
9.48E+01	7.84E-04	2.68E-03	-1.23E-03
9.48E+01	5.52E-04	2.88E-03	-1.15E-03
9.48E+01	3.71E-04	3.13E-03	-1.13E-03
9.48E+01	2.35E-04	3.41E-03	-1.11E-03
9.49E+01	1.11E-04	3.66E-03	-1.13E-03
9.49E+01	-1.43E-05	3.86E-03	-1.19E-03
9.49E+01	-1.21E-04	4.00E-03	-1.26E-03
9.49E+01	-1.82E-04	4.06E-03	-1.33E-03
9.49E+01	-2.32E-04	4.02E-03	-1.37E-03
9.49E+01	-2.94E-04	3.85E-03	-1.39E-03
9.49E+01	-3.12E-04	3.63E-03	-1.36E-03
9.49E+01	-2.95E-04	3.43E-03	-1.27E-03
9.49E+01	-2.78E-04	3.27E-03	-1.22E-03
9.49E+01	-2.77E-04	3.17E-03	-1.15E-03
9.49E+01	-3.18E-04	3.14E-03	-9.94E-04
9.49E+01	-3.61E-04	3.16E-03	-8.52E-04
9.49E+01	-4.21E-04	3.19E-03	-6.90E-04
9.49E+01	-5.42E-04	3.19E-03	-5.45E-04

9.49E+01	-6.57E-04	3.13E-03	-4.06E-04
9.49E+01	-7.36E-04	3.01E-03	-1.52E-04
9.49E+01	-7.86E-04	2.83E-03	1.21E-04
9.49E+01	-8.27E-04	2.58E-03	3.29E-04
9.49E+01	-8.52E-04	2.26E-03	5.24E-04
9.49E+01	-8.06E-04	1.89E-03	6.79E-04
9.50E+01	-7.44E-04	1.52E-03	8.31E-04
9.50E+01	-7.32E-04	1.12E-03	9.23E-04
9.50E+01	-7.31E-04	7.19E-04	8.36E-04
9.50E+01	-7.14E-04	3.98E-04	6.55E-04
9.50E+01	-6.63E-04	1.21E-04	3.55E-04
9.50E+01	-5.73E-04	-9.56E-05	-8.01E-06
9.50E+01	-4.44E-04	-1.94E-04	-2.87E-04
9.50E+01	-2.44E-04	-1.87E-04	-5.16E-04
9.50E+01	-1.14E-06	-1.34E-04	-6.64E-04
9.50E+01	2.01E-04	-1.69E-04	-8.33E-04
9.50E+01	3.59E-04	-3.33E-04	-1.09E-03
9.50E+01	5.08E-04	-5.45E-04	-1.26E-03
9.50E+01	6.59E-04	-7.75E-04	-1.38E-03
9.50E+01	8.07E-04	-9.84E-04	-1.45E-03
9.50E+01	9.23E-04	-1.09E-03	-1.36E-03
9.50E+01	1.07E-03	-1.07E-03	-1.09E-03
9.50E+01	1.28E-03	-8.83E-04	-6.94E-04
9.50E+01	1.44E-03	-6.19E-04	-3.06E-04
9.50E+01	1.56E-03	-3.40E-04	-7.40E-05
9.50E+01	1.68E-03	-4.58E-06	6.26E-05
9.51E+01	1.76E-03	3.65E-04	1.86E-04
9.51E+01	1.82E-03	7.27E-04	2.61E-04
9.51E+01	1.81E-03	1.06E-03	2.57E-04
9.51E+01	1.75E-03	1.35E-03	2.17E-04
9.51E+01	1.68E-03	1.63E-03	2.08E-04
9.51E+01	1.48E-03	1.85E-03	2.23E-04
9.51E+01	1.23E-03	2.05E-03	2.45E-04
9.51E+01	9.60E-04	2.28E-03	3.07E-04
9.51E+01	6.82E-04	2.55E-03	3.11E-04
9.51E+01	4.18E-04	2.82E-03	1.28E-04
9.51E+01	1.53E-04	3.09E-03	-1.53E-04
9.51E+01	-1.95E-05	3.41E-03	-4.50E-04
9.51E+01	-6.43E-05	3.73E-03	-7.47E-04
9.51E+01	-5.46E-05	3.99E-03	-1.06E-03
9.51E+01	-1.83E-05	4.12E-03	-1.47E-03
9.51E+01	7.97E-05	4.17E-03	-1.86E-03
9.51E+01	2.61E-04	4.19E-03	-2.13E-03
9.51E+01	5.02E-04	4.16E-03	-2.34E-03
9.51E+01	7.73E-04	4.12E-03	-2.43E-03
9.51E+01	1.04E-03	4.08E-03	-2.35E-03
9.52E+01	1.31E-03	4.09E-03	-2.18E-03

9.52E+01	1.53E-03	4.13E-03	-1.97E-03
9.52E+01	1.67E-03	4.14E-03	-1.79E-03
9.52E+01	1.78E-03	4.14E-03	-1.59E-03
9.52E+01	1.88E-03	4.13E-03	-1.30E-03
9.52E+01	1.93E-03	4.07E-03	-1.04E-03
9.52E+01	1.91E-03	3.97E-03	-7.91E-04
9.52E+01	1.83E-03	3.87E-03	-5.05E-04
9.52E+01	1.75E-03	3.78E-03	-1.94E-04
9.52E+01	1.61E-03	3.73E-03	1.57E-04
9.52E+01	1.39E-03	3.68E-03	4.35E-04
9.52E+01	1.16E-03	3.68E-03	6.11E-04
9.52E+01	9.04E-04	3.83E-03	7.26E-04
9.52E+01	6.62E-04	4.05E-03	6.77E-04
9.52E+01	4.51E-04	4.37E-03	5.23E-04
9.52E+01	2.16E-04	4.74E-03	3.72E-04
9.52E+01	2.59E-05	5.15E-03	2.76E-04
9.52E+01	-1.23E-04	5.65E-03	2.18E-04
9.52E+01	-3.18E-04	5.98E-03	5.66E-05
9.52E+01	-4.63E-04	6.21E-03	-1.49E-04
9.53E+01	-5.64E-04	6.48E-03	-2.58E-04
9.53E+01	-6.34E-04	6.55E-03	-4.01E-04
9.53E+01	-5.99E-04	6.64E-03	-6.55E-04
9.53E+01	-5.91E-04	6.74E-03	-8.58E-04
9.53E+01	-5.40E-04	6.63E-03	-1.02E-03
9.53E+01	-3.43E-04	6.67E-03	-1.13E-03
9.53E+01	-2.08E-04	6.70E-03	-1.18E-03
9.53E+01	-8.49E-05	6.54E-03	-1.24E-03
9.53E+01	1.11E-04	6.46E-03	-1.21E-03
9.53E+01	2.90E-04	6.35E-03	-1.15E-03
9.53E+01	4.64E-04	6.20E-03	-1.01E-03
9.53E+01	5.86E-04	6.04E-03	-7.18E-04
9.53E+01	6.81E-04	5.81E-03	-4.87E-04
9.53E+01	8.06E-04	5.62E-03	-3.37E-04
9.53E+01	8.43E-04	5.32E-03	-3.03E-04
9.53E+01	8.85E-04	5.03E-03	-3.96E-04
9.53E+01	9.90E-04	4.84E-03	-4.20E-04
9.53E+01	1.09E-03	4.66E-03	-4.56E-04
9.53E+01	1.25E-03	4.45E-03	-5.14E-04
9.53E+01	1.39E-03	4.25E-03	-3.56E-04
9.54E+01	1.54E-03	4.07E-03	-1.76E-04
9.54E+01	1.72E-03	3.84E-03	-5.84E-05
9.54E+01	1.80E-03	3.57E-03	1.53E-04
9.54E+01	1.83E-03	3.27E-03	3.30E-04
9.54E+01	1.88E-03	2.96E-03	4.54E-04
9.54E+01	1.89E-03	2.67E-03	5.37E-04
9.54E+01	1.88E-03	2.41E-03	5.37E-04
9.54E+01	1.86E-03	2.21E-03	5.04E-04

9.54E+01	1.85E-03	1.99E-03	4.59E-04
9.54E+01	1.93E-03	1.83E-03	3.98E-04
9.54E+01	2.10E-03	1.75E-03	2.79E-04
9.54E+01	2.27E-03	1.61E-03	1.67E-04
9.54E+01	2.47E-03	1.46E-03	1.66E-04
9.54E+01	2.71E-03	1.37E-03	2.02E-04
9.54E+01	2.96E-03	1.30E-03	2.03E-04
9.54E+01	3.10E-03	1.22E-03	2.66E-04
9.54E+01	3.19E-03	1.14E-03	3.66E-04
9.54E+01	3.31E-03	1.03E-03	4.69E-04
9.54E+01	3.34E-03	8.88E-04	6.07E-04
9.54E+01	3.27E-03	6.65E-04	6.52E-04
9.55E+01	3.18E-03	4.33E-04	7.01E-04
9.55E+01	3.05E-03	1.74E-04	8.27E-04
9.55E+01	2.91E-03	-1.25E-04	9.33E-04
9.55E+01	2.72E-03	-4.26E-04	1.01E-03
9.55E+01	2.51E-03	-7.08E-04	1.01E-03
9.55E+01	2.35E-03	-8.89E-04	1.03E-03
9.55E+01	2.22E-03	-1.00E-03	1.07E-03
9.55E+01	2.11E-03	-1.07E-03	9.17E-04
9.55E+01	2.03E-03	-1.17E-03	7.70E-04
9.55E+01	1.96E-03	-1.27E-03	5.98E-04
9.55E+01	1.94E-03	-1.37E-03	2.44E-04
9.55E+01	1.93E-03	-1.56E-03	-2.00E-05
9.55E+01	1.92E-03	-1.67E-03	-1.51E-04
9.55E+01	2.00E-03	-1.72E-03	-1.88E-04
9.55E+01	2.08E-03	-1.69E-03	-3.05E-05
9.55E+01	2.15E-03	-1.56E-03	1.32E-04
9.55E+01	2.21E-03	-1.45E-03	2.13E-04
9.55E+01	2.28E-03	-1.24E-03	2.64E-04
9.55E+01	2.40E-03	-9.46E-04	3.12E-04
9.55E+01	2.53E-03	-6.55E-04	4.51E-04
9.56E+01	2.64E-03	-3.46E-04	6.38E-04
9.56E+01	2.75E-03	-4.02E-05	7.99E-04
9.56E+01	2.89E-03	2.97E-04	8.74E-04
9.56E+01	2.92E-03	5.71E-04	8.56E-04
9.56E+01	2.89E-03	8.05E-04	7.86E-04
9.56E+01	2.90E-03	1.03E-03	6.92E-04
9.56E+01	2.93E-03	1.21E-03	6.89E-04
9.56E+01	3.03E-03	1.43E-03	7.91E-04
9.56E+01	3.15E-03	1.70E-03	9.96E-04
9.56E+01	3.32E-03	1.96E-03	1.20E-03
9.56E+01	3.61E-03	2.20E-03	1.29E-03
9.56E+01	3.87E-03	2.36E-03	1.39E-03
9.56E+01	4.09E-03	2.44E-03	1.44E-03
9.56E+01	4.32E-03	2.44E-03	1.49E-03
9.56E+01	4.55E-03	2.35E-03	1.55E-03

9.56E+01	4.74E-03	2.22E-03	1.55E-03
9.56E+01	4.86E-03	2.03E-03	1.59E-03
9.56E+01	4.96E-03	1.80E-03	1.62E-03
9.56E+01	5.07E-03	1.54E-03	1.62E-03
9.56E+01	5.10E-03	1.26E-03	1.61E-03
9.57E+01	5.05E-03	9.66E-04	1.44E-03
9.57E+01	5.02E-03	7.13E-04	1.16E-03
9.57E+01	4.96E-03	5.14E-04	8.32E-04
9.57E+01	4.83E-03	3.43E-04	4.44E-04
9.57E+01	4.59E-03	2.04E-04	6.39E-05
9.57E+01	4.23E-03	5.80E-05	-2.79E-04
9.57E+01	3.80E-03	-6.56E-05	-4.99E-04
9.57E+01	3.22E-03	-1.10E-04	-5.64E-04
9.57E+01	2.54E-03	-9.23E-05	-5.54E-04
9.57E+01	1.83E-03	5.21E-05	-4.04E-04
9.57E+01	1.13E-03	3.12E-04	-1.18E-04
9.57E+01	4.81E-04	5.81E-04	2.00E-04
9.57E+01	-9.33E-05	8.62E-04	6.09E-04
9.57E+01	-5.58E-04	1.13E-03	1.10E-03
9.57E+01	-8.81E-04	1.38E-03	1.53E-03
9.57E+01	-1.12E-03	1.57E-03	1.77E-03
9.57E+01	-1.26E-03	1.62E-03	1.76E-03
9.57E+01	-1.28E-03	1.59E-03	1.68E-03
9.57E+01	-1.24E-03	1.50E-03	1.62E-03
9.57E+01	-1.14E-03	1.33E-03	1.44E-03
9.58E+01	-1.09E-03	1.14E-03	1.22E-03
9.58E+01	-1.13E-03	9.88E-04	1.02E-03
9.58E+01	-1.19E-03	8.73E-04	8.06E-04
9.58E+01	-1.30E-03	7.69E-04	6.89E-04
9.58E+01	-1.49E-03	6.52E-04	6.47E-04
9.58E+01	-1.67E-03	5.27E-04	6.87E-04
9.58E+01	-1.82E-03	3.80E-04	7.99E-04
9.58E+01	-1.91E-03	1.79E-04	8.96E-04
9.58E+01	-1.93E-03	-8.62E-05	1.07E-03
9.58E+01	-1.85E-03	-3.82E-04	1.32E-03
9.58E+01	-1.61E-03	-6.60E-04	1.55E-03
9.58E+01	-1.22E-03	-9.06E-04	1.78E-03
9.58E+01	-7.90E-04	-1.11E-03	1.93E-03
9.58E+01	-2.71E-04	-1.20E-03	2.01E-03
9.58E+01	2.81E-04	-1.14E-03	2.12E-03
9.58E+01	7.76E-04	-1.02E-03	2.14E-03
9.58E+01	1.15E-03	-8.78E-04	2.02E-03
9.58E+01	1.31E-03	-7.21E-04	1.77E-03
9.58E+01	1.35E-03	-5.53E-04	1.46E-03
9.58E+01	1.27E-03	-3.71E-04	1.22E-03
9.59E+01	1.03E-03	-2.38E-04	1.08E-03
9.59E+01	7.37E-04	-1.60E-04	1.02E-03

9.59E+01	4.07E-04	-9.57E-05	1.02E-03
9.59E+01	9.65E-05	-9.21E-05	8.92E-04
9.59E+01	-1.33E-04	-1.38E-04	6.82E-04
9.59E+01	-2.70E-04	-1.70E-04	6.24E-04
9.59E+01	-2.74E-04	-2.01E-04	6.84E-04
9.59E+01	-1.89E-04	-2.34E-04	7.93E-04
9.59E+01	-1.05E-04	-3.08E-04	8.68E-04
9.59E+01	-4.73E-05	-4.54E-04	8.78E-04
9.59E+01	-3.43E-06	-6.23E-04	1.02E-03
9.59E+01	-3.49E-05	-8.26E-04	1.29E-03
9.59E+01	-1.88E-04	-1.07E-03	1.48E-03
9.59E+01	-4.65E-04	-1.33E-03	1.57E-03
9.59E+01	-7.84E-04	-1.55E-03	1.56E-03
9.59E+01	-1.04E-03	-1.71E-03	1.45E-03
9.59E+01	-1.27E-03	-1.84E-03	1.27E-03
9.59E+01	-1.44E-03	-1.93E-03	1.07E-03
9.59E+01	-1.52E-03	-1.99E-03	1.04E-03
9.59E+01	-1.57E-03	-2.04E-03	1.16E-03
9.60E+01	-1.59E-03	-2.14E-03	1.29E-03
9.60E+01	-1.62E-03	-2.25E-03	1.42E-03
9.60E+01	-1.66E-03	-2.34E-03	1.48E-03
9.60E+01	-1.67E-03	-2.42E-03	1.43E-03
9.60E+01	-1.72E-03	-2.51E-03	1.28E-03
9.60E+01	-1.78E-03	-2.61E-03	1.07E-03
9.60E+01	-1.82E-03	-2.65E-03	9.92E-04
9.60E+01	-1.83E-03	-2.63E-03	9.98E-04
9.60E+01	-1.81E-03	-2.60E-03	9.88E-04
9.60E+01	-1.82E-03	-2.56E-03	1.02E-03
9.60E+01	-1.85E-03	-2.49E-03	1.01E-03
9.60E+01	-1.85E-03	-2.39E-03	9.15E-04
9.60E+01	-1.88E-03	-2.23E-03	7.90E-04
9.60E+01	-1.94E-03	-2.01E-03	5.78E-04
9.60E+01	-1.97E-03	-1.68E-03	3.62E-04
9.60E+01	-1.95E-03	-1.24E-03	2.58E-04
9.60E+01	-1.85E-03	-7.49E-04	2.21E-04
9.60E+01	-1.71E-03	-2.80E-04	2.40E-04
9.60E+01	-1.52E-03	9.17E-05	2.74E-04
9.60E+01	-1.25E-03	3.41E-04	3.39E-04
9.61E+01	-9.28E-04	4.41E-04	4.78E-04
9.61E+01	-5.99E-04	3.43E-04	6.22E-04
9.61E+01	-2.64E-04	7.72E-05	7.74E-04
9.61E+01	4.84E-05	-2.85E-04	9.42E-04
9.61E+01	3.28E-04	-6.97E-04	1.05E-03
9.61E+01	4.92E-04	-1.12E-03	1.07E-03
9.61E+01	5.68E-04	-1.50E-03	1.06E-03
9.61E+01	6.50E-04	-1.79E-03	1.04E-03
9.61E+01	6.70E-04	-2.04E-03	1.07E-03

9.61E+01	5.98E-04	-2.28E-03	1.10E-03
9.61E+01	4.67E-04	-2.52E-03	1.09E-03
9.61E+01	3.08E-04	-2.70E-03	1.16E-03
9.61E+01	1.80E-04	-2.81E-03	1.23E-03
9.61E+01	5.02E-05	-2.89E-03	1.29E-03
9.61E+01	-7.11E-05	-2.93E-03	1.39E-03
9.61E+01	-9.37E-05	-2.92E-03	1.46E-03
9.61E+01	-2.67E-05	-2.90E-03	1.45E-03
9.61E+01	1.12E-04	-2.90E-03	1.38E-03
9.61E+01	3.82E-04	-2.93E-03	1.32E-03
9.61E+01	7.65E-04	-2.92E-03	1.36E-03
9.62E+01	1.18E-03	-2.90E-03	1.31E-03
9.62E+01	1.58E-03	-2.85E-03	1.13E-03
9.62E+01	1.94E-03	-2.73E-03	9.61E-04
9.62E+01	2.29E-03	-2.55E-03	7.47E-04
9.62E+01	2.60E-03	-2.35E-03	5.22E-04
9.62E+01	2.77E-03	-2.17E-03	2.62E-04
9.62E+01	2.84E-03	-1.99E-03	-6.50E-05
9.62E+01	2.81E-03	-1.83E-03	-3.38E-04
9.62E+01	2.69E-03	-1.70E-03	-5.85E-04
9.62E+01	2.50E-03	-1.62E-03	-8.68E-04
9.62E+01	2.20E-03	-1.62E-03	-1.16E-03
9.62E+01	1.87E-03	-1.64E-03	-1.45E-03
9.62E+01	1.53E-03	-1.63E-03	-1.63E-03
9.62E+01	1.16E-03	-1.64E-03	-1.72E-03
9.62E+01	8.40E-04	-1.63E-03	-1.79E-03
9.62E+01	6.23E-04	-1.57E-03	-1.71E-03
9.62E+01	5.08E-04	-1.48E-03	-1.53E-03
9.62E+01	5.02E-04	-1.36E-03	-1.28E-03
9.62E+01	5.39E-04	-1.20E-03	-9.90E-04
9.62E+01	6.57E-04	-1.01E-03	-7.41E-04
9.63E+01	8.69E-04	-7.57E-04	-5.26E-04
9.63E+01	1.04E-03	-4.78E-04	-3.44E-04
9.63E+01	1.18E-03	-1.98E-04	-1.54E-04
9.63E+01	1.28E-03	1.33E-04	1.15E-04
9.63E+01	1.34E-03	4.86E-04	4.14E-04
9.63E+01	1.37E-03	8.32E-04	6.60E-04
9.63E+01	1.28E-03	1.15E-03	8.50E-04
9.63E+01	1.12E-03	1.42E-03	9.07E-04
9.63E+01	9.81E-04	1.67E-03	8.08E-04
9.63E+01	8.06E-04	1.85E-03	6.66E-04
9.63E+01	5.91E-04	1.94E-03	4.07E-04
9.63E+01	4.15E-04	1.95E-03	1.48E-04
9.63E+01	2.25E-04	1.81E-03	3.05E-06
9.63E+01	4.41E-05	1.54E-03	-2.59E-04
9.63E+01	-1.18E-04	1.12E-03	-5.71E-04
9.63E+01	-2.82E-04	6.20E-04	-8.46E-04

9.63E+01	-3.06E-04	7.57E-05	-1.11E-03
9.63E+01	-2.41E-04	-5.47E-04	-1.28E-03
9.63E+01	-1.59E-04	-1.11E-03	-1.41E-03
9.63E+01	-4.71E-05	-1.66E-03	-1.51E-03
9.64E+01	8.07E-05	-2.16E-03	-1.60E-03
9.64E+01	2.66E-04	-2.57E-03	-1.79E-03
9.64E+01	4.39E-04	-3.00E-03	-1.94E-03
9.64E+01	6.05E-04	-3.37E-03	-1.89E-03
9.64E+01	8.60E-04	-3.66E-03	-1.72E-03
9.64E+01	1.12E-03	-3.87E-03	-1.40E-03
9.64E+01	1.36E-03	-4.04E-03	-1.00E-03
9.64E+01	1.61E-03	-4.16E-03	-6.10E-04
9.64E+01	1.84E-03	-4.19E-03	-1.64E-04
9.64E+01	2.09E-03	-4.19E-03	1.66E-04
9.64E+01	2.29E-03	-4.14E-03	3.76E-04
9.64E+01	2.43E-03	-4.02E-03	5.14E-04
9.64E+01	2.63E-03	-3.89E-03	5.06E-04
9.64E+01	2.85E-03	-3.66E-03	4.44E-04
9.64E+01	3.02E-03	-3.45E-03	3.07E-04
9.64E+01	3.23E-03	-3.33E-03	1.03E-04
9.64E+01	3.46E-03	-3.20E-03	-6.12E-05
9.64E+01	3.66E-03	-3.08E-03	-3.45E-04
9.64E+01	3.85E-03	-3.00E-03	-7.28E-04
9.64E+01	4.01E-03	-2.87E-03	-1.01E-03
9.65E+01	4.20E-03	-2.70E-03	-1.27E-03
9.65E+01	4.40E-03	-2.52E-03	-1.53E-03
9.65E+01	4.53E-03	-2.33E-03	-1.74E-03
9.65E+01	4.66E-03	-2.22E-03	-1.85E-03
9.65E+01	4.79E-03	-2.15E-03	-1.76E-03
9.65E+01	4.88E-03	-2.11E-03	-1.61E-03
9.65E+01	4.89E-03	-2.14E-03	-1.36E-03
9.65E+01	4.75E-03	-2.22E-03	-9.49E-04
9.65E+01	4.49E-03	-2.36E-03	-5.59E-04
9.65E+01	4.11E-03	-2.55E-03	-2.13E-04
9.65E+01	3.54E-03	-2.72E-03	9.52E-05
9.65E+01	2.89E-03	-2.88E-03	3.26E-04
9.65E+01	2.23E-03	-3.00E-03	5.96E-04
9.65E+01	1.62E-03	-3.08E-03	8.48E-04
9.65E+01	1.13E-03	-3.16E-03	9.26E-04
9.65E+01	7.47E-04	-3.24E-03	8.96E-04
9.65E+01	5.24E-04	-3.31E-03	8.39E-04
9.65E+01	4.66E-04	-3.40E-03	8.07E-04
9.65E+01	4.63E-04	-3.53E-03	8.13E-04
9.65E+01	5.00E-04	-3.69E-03	7.54E-04
9.66E+01	5.52E-04	-3.86E-03	5.97E-04
9.66E+01	5.93E-04	-4.03E-03	3.50E-04
9.66E+01	5.95E-04	-4.20E-03	3.78E-05

9.66E+01	4.59E-04	-4.37E-03	-2.27E-04
9.66E+01	2.67E-04	-4.45E-03	-4.99E-04
9.66E+01	9.99E-05	-4.43E-03	-7.94E-04
9.66E+01	-1.41E-04	-4.33E-03	-9.68E-04
9.66E+01	-4.55E-04	-4.20E-03	-1.15E-03
9.66E+01	-7.60E-04	-4.07E-03	-1.35E-03
9.66E+01	-1.06E-03	-3.93E-03	-1.42E-03
9.66E+01	-1.33E-03	-3.83E-03	-1.46E-03
9.66E+01	-1.60E-03	-3.82E-03	-1.50E-03
9.66E+01	-1.86E-03	-3.83E-03	-1.54E-03
9.66E+01	-1.96E-03	-3.80E-03	-1.61E-03
9.66E+01	-1.98E-03	-3.76E-03	-1.65E-03
9.66E+01	-1.94E-03	-3.76E-03	-1.71E-03
9.66E+01	-1.75E-03	-3.74E-03	-1.75E-03
9.66E+01	-1.47E-03	-3.74E-03	-1.66E-03
9.66E+01	-1.16E-03	-3.73E-03	-1.52E-03
9.66E+01	-8.94E-04	-3.66E-03	-1.35E-03
9.67E+01	-6.92E-04	-3.53E-03	-1.18E-03
9.67E+01	-4.63E-04	-3.33E-03	-1.05E-03
9.67E+01	-2.94E-04	-3.07E-03	-8.76E-04
9.67E+01	-2.47E-04	-2.76E-03	-7.00E-04
9.67E+01	-2.67E-04	-2.42E-03	-5.32E-04
9.67E+01	-3.32E-04	-2.01E-03	-2.67E-04
9.67E+01	-4.48E-04	-1.58E-03	-5.28E-05
9.67E+01	-6.59E-04	-1.19E-03	9.06E-05
9.67E+01	-9.77E-04	-8.10E-04	1.96E-04
9.67E+01	-1.31E-03	-4.46E-04	1.27E-04
9.67E+01	-1.67E-03	-1.19E-04	-2.54E-05
9.67E+01	-2.10E-03	1.57E-04	-1.61E-04
9.67E+01	-2.49E-03	3.80E-04	-2.29E-04
9.67E+01	-2.80E-03	5.48E-04	-2.42E-04
9.67E+01	-3.08E-03	6.23E-04	-3.79E-04
9.67E+01	-3.32E-03	6.31E-04	-6.18E-04
9.67E+01	-3.51E-03	6.12E-04	-8.24E-04
9.67E+01	-3.57E-03	5.88E-04	-9.83E-04
9.67E+01	-3.52E-03	6.00E-04	-1.10E-03
9.67E+01	-3.41E-03	6.23E-04	-1.21E-03
9.68E+01	-3.22E-03	6.58E-04	-1.26E-03
9.68E+01	-2.99E-03	7.02E-04	-1.17E-03
9.68E+01	-2.73E-03	6.84E-04	-1.06E-03
9.68E+01	-2.50E-03	5.58E-04	-9.74E-04
9.68E+01	-2.35E-03	4.05E-04	-8.18E-04
9.68E+01	-2.24E-03	2.49E-04	-5.99E-04
9.68E+01	-2.16E-03	1.04E-04	-3.17E-04
9.68E+01	-2.13E-03	2.56E-05	-4.58E-06
9.68E+01	-2.18E-03	-8.03E-05	2.10E-04
9.68E+01	-2.25E-03	-7.76E-05	3.58E-04

9.68E+01	-2.38E-03	-4.31E-05	4.43E-04
9.68E+01	-2.54E-03	-8.45E-05	4.16E-04
9.68E+01	-2.72E-03	2.56E-05	4.62E-04
9.68E+01	-2.93E-03	6.22E-05	5.48E-04
9.68E+01	-3.03E-03	2.17E-05	5.05E-04
9.68E+01	-3.09E-03	-3.05E-06	4.14E-04
9.68E+01	-3.15E-03	-1.40E-04	2.89E-04
9.68E+01	-3.12E-03	-2.06E-04	2.00E-04
9.68E+01	-3.04E-03	-2.66E-04	7.29E-05
9.68E+01	-2.90E-03	-4.02E-04	-1.74E-04
9.69E+01	-2.74E-03	-4.83E-04	-3.77E-04
9.69E+01	-2.54E-03	-5.81E-04	-6.49E-04
9.69E+01	-2.25E-03	-6.62E-04	-9.56E-04
9.69E+01	-1.95E-03	-7.26E-04	-1.22E-03
9.69E+01	-1.67E-03	-8.90E-04	-1.52E-03
9.69E+01	-1.38E-03	-1.02E-03	-1.64E-03
9.69E+01	-1.17E-03	-1.10E-03	-1.57E-03
9.69E+01	-1.07E-03	-1.27E-03	-1.44E-03
9.69E+01	-1.14E-03	-1.44E-03	-1.19E-03
9.69E+01	-1.39E-03	-1.65E-03	-8.75E-04
9.69E+01	-1.67E-03	-1.87E-03	-5.02E-04
9.69E+01	-2.02E-03	-2.03E-03	-3.81E-07
9.69E+01	-2.44E-03	-2.15E-03	4.80E-04
9.69E+01	-2.77E-03	-2.15E-03	9.42E-04
9.69E+01	-3.02E-03	-2.07E-03	1.47E-03
9.69E+01	-3.16E-03	-2.02E-03	1.89E-03
9.69E+01	-3.20E-03	-1.96E-03	2.25E-03
9.69E+01	-3.17E-03	-1.93E-03	2.60E-03
9.69E+01	-3.01E-03	-1.92E-03	2.80E-03
9.69E+01	-2.75E-03	-1.91E-03	2.91E-03
9.70E+01	-2.45E-03	-1.93E-03	2.91E-03
9.70E+01	-2.11E-03	-1.92E-03	2.85E-03
9.70E+01	-1.74E-03	-1.83E-03	2.79E-03
9.70E+01	-1.43E-03	-1.71E-03	2.54E-03
9.70E+01	-1.26E-03	-1.54E-03	2.14E-03
9.70E+01	-1.22E-03	-1.31E-03	1.70E-03
9.70E+01	-1.28E-03	-1.05E-03	1.18E-03
9.70E+01	-1.47E-03	-7.52E-04	6.21E-04
9.70E+01	-1.80E-03	-4.06E-04	2.73E-05
9.70E+01	-2.26E-03	-8.81E-05	-5.59E-04
9.70E+01	-2.78E-03	2.12E-04	-1.07E-03
9.70E+01	-3.37E-03	4.33E-04	-1.58E-03
9.70E+01	-4.05E-03	5.39E-04	-2.01E-03
9.70E+01	-4.77E-03	6.29E-04	-2.27E-03
9.70E+01	-5.45E-03	6.85E-04	-2.43E-03
9.70E+01	-6.06E-03	7.30E-04	-2.47E-03
9.70E+01	-6.62E-03	7.49E-04	-2.39E-03

9.70E+01	-7.03E-03	7.51E-04	-2.25E-03
9.70E+01	-7.23E-03	8.66E-04	-2.00E-03
9.70E+01	-7.27E-03	9.90E-04	-1.74E-03
9.71E+01	-7.18E-03	1.08E-03	-1.59E-03
9.71E+01	-7.02E-03	1.22E-03	-1.50E-03
9.71E+01	-6.73E-03	1.34E-03	-1.49E-03
9.71E+01	-6.38E-03	1.43E-03	-1.49E-03
9.71E+01	-6.09E-03	1.42E-03	-1.44E-03
9.71E+01	-5.83E-03	1.34E-03	-1.29E-03
9.71E+01	-5.63E-03	1.26E-03	-1.04E-03
9.71E+01	-5.48E-03	1.13E-03	-7.23E-04
9.71E+01	-5.40E-03	1.00E-03	-4.45E-04
9.71E+01	-5.41E-03	8.49E-04	-2.82E-04
9.71E+01	-5.39E-03	6.81E-04	-2.27E-04
9.71E+01	-5.32E-03	5.91E-04	-1.89E-04
9.71E+01	-5.23E-03	5.17E-04	-1.95E-04
9.71E+01	-5.07E-03	4.48E-04	-2.36E-04
9.71E+01	-4.81E-03	4.31E-04	-2.10E-04
9.71E+01	-4.50E-03	3.85E-04	-2.79E-04
9.71E+01	-4.16E-03	2.78E-04	-5.55E-04
9.71E+01	-3.82E-03	1.43E-04	-8.91E-04
9.71E+01	-3.44E-03	-4.39E-06	-1.15E-03
9.71E+01	-2.98E-03	-1.05E-04	-1.23E-03
9.72E+01	-2.54E-03	-1.36E-04	-1.15E-03
9.72E+01	-2.12E-03	-1.20E-04	-1.00E-03
9.72E+01	-1.71E-03	-6.05E-05	-7.99E-04
9.72E+01	-1.34E-03	1.13E-05	-6.07E-04
9.72E+01	-1.03E-03	1.98E-05	-5.85E-04
9.72E+01	-8.05E-04	-3.24E-06	-6.54E-04
9.72E+01	-6.26E-04	-1.01E-05	-7.35E-04
9.72E+01	-4.60E-04	-3.62E-06	-8.42E-04
9.72E+01	-3.69E-04	2.29E-05	-9.82E-04
9.72E+01	-3.45E-04	1.58E-05	-1.19E-03
9.72E+01	-3.84E-04	-1.32E-05	-1.29E-03
9.72E+01	-5.18E-04	-7.10E-05	-1.21E-03
9.72E+01	-7.60E-04	-2.13E-04	-1.12E-03
9.72E+01	-1.16E-03	-4.14E-04	-1.02E-03
9.72E+01	-1.67E-03	-6.44E-04	-9.24E-04
9.72E+01	-2.20E-03	-8.47E-04	-7.83E-04
9.72E+01	-2.77E-03	-9.91E-04	-5.93E-04
9.72E+01	-3.35E-03	-1.10E-03	-4.40E-04
9.72E+01	-3.85E-03	-1.09E-03	-2.11E-04
9.72E+01	-4.22E-03	-8.97E-04	1.32E-04
9.73E+01	-4.47E-03	-6.43E-04	3.67E-04
9.73E+01	-4.64E-03	-3.54E-04	5.46E-04
9.73E+01	-4.74E-03	1.72E-06	7.23E-04
9.73E+01	-4.73E-03	3.41E-04	7.93E-04

9.73E+01	-4.66E-03	6.87E-04	8.20E-04
9.73E+01	-4.59E-03	1.01E-03	7.27E-04
9.73E+01	-4.45E-03	1.33E-03	4.96E-04
9.73E+01	-4.26E-03	1.70E-03	2.78E-04
9.73E+01	-4.04E-03	2.09E-03	7.86E-05
9.73E+01	-3.86E-03	2.48E-03	-2.96E-05
9.73E+01	-3.73E-03	2.89E-03	-6.66E-05
9.73E+01	-3.61E-03	3.24E-03	-1.96E-04
9.73E+01	-3.52E-03	3.54E-03	-3.95E-04
9.73E+01	-3.55E-03	3.77E-03	-6.34E-04
9.73E+01	-3.67E-03	3.95E-03	-8.85E-04
9.73E+01	-3.84E-03	4.13E-03	-1.08E-03
9.73E+01	-4.08E-03	4.28E-03	-1.26E-03
9.73E+01	-4.39E-03	4.42E-03	-1.33E-03
9.73E+01	-4.70E-03	4.54E-03	-1.22E-03
9.73E+01	-4.95E-03	4.62E-03	-9.70E-04
9.74E+01	-5.13E-03	4.68E-03	-6.47E-04
9.74E+01	-5.29E-03	4.66E-03	-3.92E-04
9.74E+01	-5.38E-03	4.57E-03	-2.62E-04
9.74E+01	-5.39E-03	4.50E-03	-1.71E-04
9.74E+01	-5.35E-03	4.47E-03	-1.82E-04
9.74E+01	-5.26E-03	4.49E-03	-3.14E-04
9.74E+01	-5.18E-03	4.56E-03	-4.91E-04
9.74E+01	-5.02E-03	4.65E-03	-7.04E-04
9.74E+01	-4.74E-03	4.76E-03	-8.96E-04
9.74E+01	-4.41E-03	4.83E-03	-1.06E-03
9.74E+01	-4.04E-03	4.84E-03	-1.24E-03
9.74E+01	-3.60E-03	4.85E-03	-1.36E-03
9.74E+01	-3.11E-03	4.83E-03	-1.45E-03
9.74E+01	-2.59E-03	4.76E-03	-1.58E-03
9.74E+01	-2.13E-03	4.67E-03	-1.64E-03
9.74E+01	-1.69E-03	4.54E-03	-1.62E-03
9.74E+01	-1.29E-03	4.37E-03	-1.54E-03
9.74E+01	-1.03E-03	4.10E-03	-1.43E-03
9.74E+01	-8.90E-04	3.70E-03	-1.34E-03
9.74E+01	-8.51E-04	3.24E-03	-1.18E-03
9.75E+01	-8.90E-04	2.79E-03	-9.77E-04
9.75E+01	-1.00E-03	2.35E-03	-8.01E-04
9.75E+01	-1.24E-03	1.96E-03	-5.95E-04
9.75E+01	-1.52E-03	1.68E-03	-3.91E-04
9.75E+01	-1.77E-03	1.50E-03	-2.34E-04
9.75E+01	-2.02E-03	1.40E-03	-9.50E-05
9.75E+01	-2.25E-03	1.32E-03	-5.40E-05
9.75E+01	-2.38E-03	1.31E-03	-5.23E-05
9.75E+01	-2.41E-03	1.35E-03	-3.49E-05
9.75E+01	-2.33E-03	1.40E-03	-8.13E-05
9.75E+01	-2.22E-03	1.44E-03	-1.60E-04

9.75E+01	-2.09E-03	1.45E-03	-3.07E-04
9.75E+01	-1.89E-03	1.44E-03	-5.14E-04
9.75E+01	-1.72E-03	1.41E-03	-7.54E-04
9.75E+01	-1.58E-03	1.29E-03	-1.09E-03
9.75E+01	-1.38E-03	1.14E-03	-1.37E-03
9.75E+01	-1.15E-03	1.01E-03	-1.53E-03
9.75E+01	-8.90E-04	8.81E-04	-1.66E-03
9.75E+01	-5.98E-04	8.27E-04	-1.76E-03
9.75E+01	-2.93E-04	8.83E-04	-1.77E-03
9.76E+01	7.48E-05	1.03E-03	-1.77E-03
9.76E+01	4.33E-04	1.26E-03	-1.75E-03
9.76E+01	7.28E-04	1.47E-03	-1.69E-03
9.76E+01	9.66E-04	1.62E-03	-1.57E-03
9.76E+01	1.11E-03	1.73E-03	-1.32E-03
9.76E+01	1.20E-03	1.75E-03	-9.78E-04
9.76E+01	1.21E-03	1.69E-03	-5.43E-04
9.76E+01	1.12E-03	1.55E-03	-6.29E-06
9.76E+01	1.03E-03	1.37E-03	5.34E-04
9.76E+01	9.75E-04	1.22E-03	1.04E-03
9.76E+01	9.18E-04	1.08E-03	1.50E-03
9.76E+01	9.13E-04	1.00E-03	1.86E-03
9.76E+01	1.00E-03	1.02E-03	2.10E-03
9.76E+01	1.19E-03	1.08E-03	2.20E-03
9.76E+01	1.39E-03	1.13E-03	2.18E-03
9.76E+01	1.58E-03	1.18E-03	2.03E-03
9.76E+01	1.79E-03	1.21E-03	1.77E-03
9.76E+01	1.99E-03	1.25E-03	1.49E-03
9.76E+01	2.08E-03	1.34E-03	1.22E-03
9.76E+01	2.04E-03	1.49E-03	9.21E-04
9.77E+01	1.89E-03	1.74E-03	6.86E-04
9.77E+01	1.65E-03	2.05E-03	4.35E-04
9.77E+01	1.29E-03	2.35E-03	1.59E-04
9.77E+01	7.90E-04	2.61E-03	-7.21E-05
9.77E+01	2.70E-04	2.78E-03	-3.30E-04
9.77E+01	-2.10E-04	2.87E-03	-5.44E-04
9.77E+01	-6.85E-04	2.85E-03	-6.73E-04
9.77E+01	-1.08E-03	2.73E-03	-7.72E-04
9.77E+01	-1.36E-03	2.59E-03	-7.46E-04
9.77E+01	-1.55E-03	2.45E-03	-6.57E-04
9.77E+01	-1.69E-03	2.33E-03	-6.05E-04
9.77E+01	-1.82E-03	2.27E-03	-5.88E-04
9.77E+01	-1.89E-03	2.25E-03	-7.01E-04
9.77E+01	-1.87E-03	2.28E-03	-8.95E-04
9.77E+01	-1.84E-03	2.32E-03	-1.09E-03
9.77E+01	-1.78E-03	2.33E-03	-1.27E-03
9.77E+01	-1.67E-03	2.38E-03	-1.32E-03
9.77E+01	-1.54E-03	2.46E-03	-1.28E-03

9.77E+01	-1.40E-03	2.52E-03	-1.23E-03
9.77E+01	-1.29E-03	2.62E-03	-1.12E-03
9.78E+01	-1.19E-03	2.73E-03	-1.01E-03
9.78E+01	-1.09E-03	2.86E-03	-9.27E-04
9.78E+01	-1.03E-03	3.03E-03	-8.36E-04
9.78E+01	-9.89E-04	3.18E-03	-7.80E-04
9.78E+01	-9.45E-04	3.37E-03	-5.97E-04
9.78E+01	-9.25E-04	3.60E-03	-2.73E-04
9.78E+01	-8.90E-04	3.81E-03	2.33E-05
9.78E+01	-8.86E-04	3.97E-03	3.26E-04
9.78E+01	-8.72E-04	4.05E-03	5.72E-04
9.78E+01	-7.65E-04	4.00E-03	7.18E-04
9.78E+01	-6.56E-04	3.81E-03	8.58E-04
9.78E+01	-5.42E-04	3.47E-03	9.78E-04
9.78E+01	-3.94E-04	3.06E-03	1.10E-03
9.78E+01	-2.51E-04	2.63E-03	1.20E-03
9.78E+01	-6.69E-05	2.15E-03	1.15E-03
9.78E+01	7.06E-05	1.63E-03	1.03E-03
9.78E+01	1.17E-04	1.09E-03	9.15E-04
9.78E+01	1.86E-04	5.79E-04	8.79E-04
9.78E+01	2.17E-04	1.28E-04	9.31E-04
9.78E+01	1.94E-04	-3.03E-04	9.29E-04
9.79E+01	2.09E-04	-6.73E-04	8.54E-04
9.79E+01	2.56E-04	-9.61E-04	7.73E-04
9.79E+01	3.48E-04	-1.23E-03	6.31E-04
9.79E+01	4.68E-04	-1.49E-03	4.90E-04
9.79E+01	6.04E-04	-1.71E-03	4.40E-04
9.79E+01	8.60E-04	-1.89E-03	4.40E-04
9.79E+01	1.20E-03	-2.03E-03	4.94E-04
9.79E+01	1.54E-03	-2.15E-03	5.20E-04
9.79E+01	1.93E-03	-2.24E-03	4.78E-04
9.79E+01	2.34E-03	-2.26E-03	4.92E-04
9.79E+01	2.72E-03	-2.22E-03	5.11E-04
9.79E+01	3.03E-03	-2.15E-03	4.89E-04
9.79E+01	3.26E-03	-2.02E-03	4.66E-04
9.79E+01	3.44E-03	-1.83E-03	3.97E-04
9.79E+01	3.57E-03	-1.58E-03	2.75E-04
9.79E+01	3.59E-03	-1.33E-03	8.16E-05
9.79E+01	3.54E-03	-1.13E-03	-9.78E-05
9.79E+01	3.44E-03	-9.40E-04	-1.07E-04
9.79E+01	3.30E-03	-7.73E-04	-5.70E-05
9.79E+01	3.11E-03	-6.76E-04	-3.17E-05
9.80E+01	2.86E-03	-6.15E-04	9.16E-06
9.80E+01	2.63E-03	-5.68E-04	-5.34E-06
9.80E+01	2.42E-03	-5.27E-04	-8.26E-05
9.80E+01	2.14E-03	-4.74E-04	-1.83E-04
9.80E+01	1.86E-03	-3.43E-04	-2.76E-04

9.80E+01	1.58E-03	-1.13E-04	-2.94E-04
9.80E+01	1.31E-03	1.83E-04	-2.78E-04
9.80E+01	1.05E-03	5.29E-04	-2.87E-04
9.80E+01	7.42E-04	8.75E-04	-2.94E-04
9.80E+01	4.65E-04	1.21E-03	-2.56E-04
9.80E+01	2.48E-04	1.56E-03	-1.69E-04
9.80E+01	3.19E-05	1.89E-03	-1.21E-04
9.80E+01	-1.33E-04	2.16E-03	-1.85E-04
9.80E+01	-2.05E-04	2.39E-03	-2.54E-04
9.80E+01	-1.86E-04	2.58E-03	-2.78E-04
9.80E+01	-9.21E-05	2.66E-03	-2.99E-04
9.80E+01	4.39E-06	2.62E-03	-2.89E-04
9.80E+01	1.33E-04	2.46E-03	-3.19E-04
9.80E+01	3.15E-04	2.18E-03	-3.84E-04
9.80E+01	4.85E-04	1.83E-03	-4.23E-04
9.81E+01	6.51E-04	1.39E-03	-4.89E-04
9.81E+01	8.40E-04	9.54E-04	-4.65E-04
9.81E+01	1.04E-03	5.95E-04	-3.73E-04
9.81E+01	1.23E-03	2.53E-04	-3.31E-04
9.81E+01	1.38E-03	-1.64E-05	-2.14E-04
9.81E+01	1.53E-03	-1.80E-04	-4.22E-05
9.81E+01	1.72E-03	-2.45E-04	1.38E-04
9.81E+01	1.88E-03	-2.23E-04	3.95E-04
9.81E+01	2.02E-03	-1.89E-04	6.56E-04
9.81E+01	2.16E-03	-1.58E-04	9.48E-04
9.81E+01	2.29E-03	-1.19E-04	1.27E-03
9.81E+01	2.41E-03	-1.23E-04	1.50E-03
9.81E+01	2.49E-03	-1.46E-04	1.71E-03
9.81E+01	2.56E-03	-1.40E-04	1.88E-03
9.81E+01	2.68E-03	-1.45E-04	1.97E-03
9.81E+01	2.80E-03	-1.36E-04	2.09E-03
9.81E+01	2.92E-03	-8.22E-05	2.17E-03
9.81E+01	3.03E-03	-1.96E-05	2.18E-03
9.81E+01	3.18E-03	4.63E-05	2.19E-03
9.81E+01	3.34E-03	5.72E-05	2.09E-03
9.82E+01	3.43E-03	-6.87E-06	1.83E-03
9.82E+01	3.50E-03	-7.46E-05	1.49E-03
9.82E+01	3.58E-03	-1.10E-04	1.12E-03
9.82E+01	3.65E-03	-1.22E-04	7.81E-04
9.82E+01	3.70E-03	-1.27E-04	4.67E-04
9.82E+01	3.83E-03	-7.51E-05	2.17E-04
9.82E+01	4.03E-03	2.06E-05	1.56E-04
9.82E+01	4.27E-03	1.08E-04	1.80E-04
9.82E+01	4.49E-03	1.65E-04	2.16E-04
9.82E+01	4.67E-03	1.49E-04	2.52E-04
9.82E+01	4.84E-03	1.09E-04	2.17E-04
9.82E+01	4.95E-03	5.30E-05	1.96E-04

9.82E+01	4.98E-03	-2.82E-05	2.10E-04
9.82E+01	5.00E-03	-4.10E-05	2.54E-04
9.82E+01	5.01E-03	3.34E-05	4.03E-04
9.82E+01	5.01E-03	1.52E-04	5.75E-04
9.82E+01	4.98E-03	2.82E-04	7.04E-04
9.82E+01	4.91E-03	4.14E-04	7.71E-04
9.82E+01	4.85E-03	5.35E-04	7.74E-04
9.82E+01	4.83E-03	6.21E-04	8.44E-04
9.83E+01	4.75E-03	6.44E-04	9.17E-04
9.83E+01	4.65E-03	5.71E-04	8.93E-04
9.83E+01	4.61E-03	4.53E-04	9.22E-04
9.83E+01	4.58E-03	2.85E-04	9.27E-04
9.83E+01	4.56E-03	4.04E-05	7.73E-04
9.83E+01	4.53E-03	-2.16E-04	5.34E-04
9.83E+01	4.51E-03	-4.55E-04	2.60E-04
9.83E+01	4.55E-03	-6.69E-04	2.80E-05
9.83E+01	4.54E-03	-8.60E-04	-1.78E-04
9.83E+01	4.48E-03	-1.08E-03	-3.61E-04
9.83E+01	4.39E-03	-1.30E-03	-3.88E-04
9.83E+01	4.26E-03	-1.51E-03	-3.73E-04
9.83E+01	4.09E-03	-1.78E-03	-4.07E-04
9.83E+01	3.88E-03	-2.03E-03	-3.49E-04
9.83E+01	3.71E-03	-2.15E-03	-1.87E-04
9.83E+01	3.61E-03	-2.14E-03	1.96E-05
9.83E+01	3.55E-03	-2.03E-03	2.38E-04
9.83E+01	3.56E-03	-1.83E-03	4.27E-04
9.83E+01	3.66E-03	-1.60E-03	5.86E-04
9.83E+01	3.80E-03	-1.38E-03	7.12E-04
9.84E+01	3.97E-03	-1.16E-03	7.93E-04
9.84E+01	4.14E-03	-9.82E-04	8.50E-04
9.84E+01	4.34E-03	-8.01E-04	9.34E-04
9.84E+01	4.62E-03	-6.39E-04	1.09E-03
9.84E+01	4.89E-03	-4.65E-04	1.29E-03
9.84E+01	5.14E-03	-2.78E-04	1.45E-03
9.84E+01	5.38E-03	-9.10E-05	1.59E-03
9.84E+01	5.62E-03	1.59E-04	1.68E-03
9.84E+01	5.78E-03	3.47E-04	1.68E-03
9.84E+01	5.86E-03	4.40E-04	1.67E-03
9.84E+01	5.89E-03	4.71E-04	1.67E-03
9.84E+01	5.87E-03	3.92E-04	1.66E-03
9.84E+01	5.79E-03	2.44E-04	1.70E-03
9.84E+01	5.65E-03	3.95E-05	1.75E-03
9.84E+01	5.54E-03	-1.81E-04	1.82E-03
9.84E+01	5.48E-03	-3.52E-04	1.95E-03
9.84E+01	5.47E-03	-4.87E-04	2.07E-03
9.84E+01	5.48E-03	-5.83E-04	2.15E-03
9.84E+01	5.56E-03	-6.35E-04	2.18E-03

9.84E+01	5.74E-03	-6.37E-04	2.12E-03
9.85E+01	5.95E-03	-5.89E-04	2.04E-03
9.85E+01	6.16E-03	-5.03E-04	1.90E-03
9.85E+01	6.38E-03	-3.40E-04	1.77E-03
9.85E+01	6.59E-03	-1.23E-04	1.73E-03
9.85E+01	6.78E-03	1.33E-04	1.76E-03
9.85E+01	6.89E-03	4.03E-04	1.86E-03
9.85E+01	6.92E-03	6.37E-04	2.04E-03
9.85E+01	6.91E-03	8.67E-04	2.27E-03
9.85E+01	6.81E-03	1.03E-03	2.46E-03
9.85E+01	6.59E-03	1.07E-03	2.51E-03
9.85E+01	6.28E-03	1.00E-03	2.47E-03
9.85E+01	5.95E-03	8.36E-04	2.43E-03
9.85E+01	5.59E-03	6.15E-04	2.32E-03
9.85E+01	5.18E-03	2.68E-04	2.14E-03
9.85E+01	4.74E-03	-1.57E-04	1.97E-03
9.85E+01	4.35E-03	-5.89E-04	1.79E-03
9.85E+01	3.98E-03	-1.08E-03	1.68E-03
9.85E+01	3.59E-03	-1.61E-03	1.53E-03
9.85E+01	3.22E-03	-2.21E-03	1.35E-03
9.85E+01	2.87E-03	-2.80E-03	1.27E-03
9.86E+01	2.55E-03	-3.39E-03	1.17E-03
9.86E+01	2.24E-03	-4.03E-03	1.02E-03
9.86E+01	1.91E-03	-4.64E-03	9.21E-04
9.86E+01	1.65E-03	-5.17E-03	7.88E-04
9.86E+01	1.45E-03	-5.62E-03	6.45E-04
9.86E+01	1.29E-03	-6.01E-03	4.60E-04
9.86E+01	1.18E-03	-6.34E-03	2.33E-04
9.86E+01	1.14E-03	-6.57E-03	1.09E-04
9.86E+01	1.15E-03	-6.73E-03	9.90E-05
9.86E+01	1.14E-03	-6.83E-03	1.68E-04
9.86E+01	1.08E-03	-6.87E-03	2.70E-04
9.86E+01	1.01E-03	-6.87E-03	3.41E-04
9.86E+01	9.58E-04	-6.79E-03	4.01E-04
9.86E+01	8.88E-04	-6.63E-03	4.19E-04
9.86E+01	8.30E-04	-6.44E-03	3.50E-04
9.86E+01	8.36E-04	-6.17E-03	2.87E-04
9.86E+01	8.91E-04	-5.86E-03	2.19E-04
9.86E+01	9.74E-04	-5.57E-03	1.33E-04
9.86E+01	1.04E-03	-5.30E-03	1.06E-04
9.86E+01	1.11E-03	-5.06E-03	1.42E-04
9.87E+01	1.16E-03	-4.80E-03	2.62E-04
9.87E+01	1.10E-03	-4.59E-03	3.08E-04
9.87E+01	9.63E-04	-4.40E-03	1.99E-04
9.87E+01	8.17E-04	-4.17E-03	8.62E-05
9.87E+01	6.55E-04	-3.91E-03	-8.18E-05
9.87E+01	4.96E-04	-3.64E-03	-2.93E-04

9.87E+01	2.92E-04	-3.38E-03	-4.47E-04
9.87E+01	6.90E-05	-3.19E-03	-5.64E-04
9.87E+01	-7.34E-05	-3.04E-03	-6.11E-04
9.87E+01	-2.12E-04	-2.99E-03	-6.18E-04
9.87E+01	-3.43E-04	-3.06E-03	-6.31E-04
9.87E+01	-4.06E-04	-3.17E-03	-5.92E-04
9.87E+01	-4.21E-04	-3.30E-03	-5.46E-04
9.87E+01	-3.83E-04	-3.43E-03	-6.01E-04
9.87E+01	-3.56E-04	-3.49E-03	-7.04E-04
9.87E+01	-3.18E-04	-3.48E-03	-8.24E-04
9.87E+01	-2.03E-04	-3.40E-03	-9.52E-04
9.87E+01	-1.02E-04	-3.28E-03	-1.01E-03
9.87E+01	-3.07E-05	-3.21E-03	-1.07E-03
9.87E+01	5.09E-05	-3.15E-03	-1.09E-03
9.88E+01	1.14E-04	-3.08E-03	-1.04E-03
9.88E+01	1.68E-04	-3.01E-03	-9.96E-04
9.88E+01	1.89E-04	-2.88E-03	-8.58E-04
9.88E+01	2.08E-04	-2.69E-03	-6.46E-04
9.88E+01	3.04E-04	-2.43E-03	-4.40E-04
9.88E+01	4.01E-04	-2.15E-03	-2.41E-04
9.88E+01	4.77E-04	-1.91E-03	-1.43E-04
9.88E+01	5.97E-04	-1.71E-03	-5.86E-05
9.88E+01	7.49E-04	-1.58E-03	1.15E-04
9.88E+01	9.22E-04	-1.56E-03	2.80E-04
9.88E+01	1.06E-03	-1.65E-03	4.41E-04
9.88E+01	1.12E-03	-1.82E-03	5.78E-04
9.88E+01	1.19E-03	-2.01E-03	6.64E-04
9.88E+01	1.25E-03	-2.19E-03	7.41E-04
9.88E+01	1.24E-03	-2.39E-03	7.27E-04
9.88E+01	1.22E-03	-2.59E-03	6.72E-04
9.88E+01	1.19E-03	-2.77E-03	6.31E-04
9.88E+01	1.16E-03	-2.98E-03	5.03E-04
9.88E+01	1.12E-03	-3.20E-03	3.21E-04
9.88E+01	1.05E-03	-3.42E-03	1.17E-04
9.89E+01	1.06E-03	-3.61E-03	-1.25E-04
9.89E+01	1.11E-03	-3.71E-03	-3.65E-04
9.89E+01	1.13E-03	-3.75E-03	-6.24E-04
9.89E+01	1.19E-03	-3.69E-03	-8.84E-04
9.89E+01	1.28E-03	-3.51E-03	-1.08E-03
9.89E+01	1.40E-03	-3.28E-03	-1.25E-03
9.89E+01	1.51E-03	-3.08E-03	-1.39E-03
9.89E+01	1.55E-03	-2.93E-03	-1.41E-03
9.89E+01	1.61E-03	-2.80E-03	-1.33E-03
9.89E+01	1.64E-03	-2.71E-03	-1.15E-03
9.89E+01	1.56E-03	-2.67E-03	-9.93E-04
9.89E+01	1.43E-03	-2.66E-03	-8.92E-04
9.89E+01	1.26E-03	-2.63E-03	-7.60E-04

9.89E+01	1.08E-03	-2.58E-03	-6.75E-04
9.89E+01	8.99E-04	-2.49E-03	-6.58E-04
9.89E+01	6.94E-04	-2.37E-03	-6.76E-04
9.89E+01	5.47E-04	-2.30E-03	-7.74E-04
9.89E+01	4.98E-04	-2.26E-03	-8.38E-04
9.89E+01	4.62E-04	-2.30E-03	-8.14E-04
9.89E+01	4.63E-04	-2.41E-03	-7.65E-04
9.90E+01	5.09E-04	-2.53E-03	-6.35E-04
9.90E+01	5.52E-04	-2.65E-03	-5.22E-04
9.90E+01	5.96E-04	-2.75E-03	-5.35E-04
9.90E+01	5.83E-04	-2.79E-03	-5.82E-04
9.90E+01	5.50E-04	-2.76E-03	-6.43E-04
9.90E+01	5.46E-04	-2.63E-03	-6.69E-04
9.90E+01	4.75E-04	-2.46E-03	-6.62E-04
9.90E+01	3.56E-04	-2.31E-03	-7.40E-04
9.90E+01	2.46E-04	-2.17E-03	-8.44E-04
9.90E+01	1.58E-04	-2.03E-03	-9.69E-04
9.90E+01	7.51E-05	-1.94E-03	-1.23E-03
9.90E+01	-4.52E-05	-1.91E-03	-1.54E-03
9.90E+01	-1.35E-04	-1.87E-03	-1.88E-03
9.90E+01	-1.51E-04	-1.84E-03	-2.22E-03
9.90E+01	-1.65E-04	-1.78E-03	-2.48E-03
9.90E+01	-1.83E-04	-1.70E-03	-2.69E-03
9.90E+01	-1.81E-04	-1.57E-03	-2.78E-03
9.90E+01	-1.84E-04	-1.40E-03	-2.75E-03
9.90E+01	-1.90E-04	-1.25E-03	-2.74E-03
9.90E+01	-2.37E-04	-1.12E-03	-2.73E-03
9.91E+01	-3.22E-04	-1.00E-03	-2.68E-03
9.91E+01	-3.80E-04	-8.87E-04	-2.58E-03
9.91E+01	-4.62E-04	-7.60E-04	-2.39E-03
9.91E+01	-5.64E-04	-6.71E-04	-2.24E-03
9.91E+01	-6.19E-04	-5.70E-04	-2.09E-03
9.91E+01	-6.35E-04	-4.25E-04	-1.88E-03
9.91E+01	-6.19E-04	-3.00E-04	-1.70E-03
9.91E+01	-6.26E-04	-2.05E-04	-1.55E-03
9.91E+01	-6.83E-04	-1.47E-04	-1.45E-03
9.91E+01	-7.13E-04	-1.13E-04	-1.46E-03
9.91E+01	-7.65E-04	-7.53E-05	-1.49E-03
9.91E+01	-9.13E-04	-7.92E-05	-1.56E-03
9.91E+01	-1.10E-03	-9.75E-05	-1.67E-03
9.91E+01	-1.32E-03	-9.23E-05	-1.70E-03
9.91E+01	-1.54E-03	-1.07E-04	-1.71E-03
9.91E+01	-1.77E-03	-1.44E-04	-1.72E-03
9.91E+01	-2.01E-03	-1.94E-04	-1.71E-03
9.91E+01	-2.18E-03	-2.26E-04	-1.72E-03
9.91E+01	-2.30E-03	-2.18E-04	-1.75E-03
9.91E+01	-2.44E-03	-1.87E-04	-1.85E-03

9.92E+01	-2.53E-03	-1.21E-04	-1.94E-03
9.92E+01	-2.58E-03	7.63E-07	-1.97E-03
9.92E+01	-2.61E-03	1.55E-04	-2.01E-03
9.92E+01	-2.64E-03	3.19E-04	-2.07E-03
9.92E+01	-2.70E-03	5.08E-04	-2.10E-03
9.92E+01	-2.72E-03	7.12E-04	-2.17E-03
9.92E+01	-2.68E-03	9.18E-04	-2.25E-03
9.92E+01	-2.64E-03	1.10E-03	-2.29E-03
9.92E+01	-2.56E-03	1.23E-03	-2.29E-03
9.92E+01	-2.44E-03	1.36E-03	-2.14E-03
9.92E+01	-2.31E-03	1.49E-03	-1.90E-03
9.92E+01	-2.17E-03	1.58E-03	-1.64E-03
9.92E+01	-2.04E-03	1.65E-03	-1.28E-03
9.92E+01	-1.89E-03	1.70E-03	-8.51E-04
9.92E+01	-1.69E-03	1.71E-03	-4.40E-04
9.92E+01	-1.54E-03	1.66E-03	-1.37E-04
9.92E+01	-1.39E-03	1.52E-03	-1.03E-05
9.92E+01	-1.23E-03	1.32E-03	5.53E-05
9.92E+01	-1.06E-03	1.08E-03	9.69E-05
9.92E+01	-8.66E-04	7.77E-04	2.12E-05
9.93E+01	-7.19E-04	4.55E-04	-8.87E-05
9.93E+01	-5.56E-04	1.54E-04	-1.94E-04
9.93E+01	-3.56E-04	-1.11E-04	-3.01E-04
9.93E+01	-2.05E-04	-3.50E-04	-4.04E-04
9.93E+01	-1.08E-04	-5.70E-04	-5.85E-04
9.93E+01	-4.14E-05	-7.22E-04	-7.34E-04
9.93E+01	5.34E-06	-8.03E-04	-7.72E-04
9.93E+01	1.34E-05	-8.53E-04	-7.96E-04
9.93E+01	-5.11E-05	-8.89E-04	-8.15E-04
9.93E+01	-1.29E-04	-9.14E-04	-8.84E-04
9.93E+01	-1.85E-04	-9.36E-04	-9.95E-04
9.93E+01	-2.56E-04	-9.78E-04	-1.06E-03
9.93E+01	-3.21E-04	-1.08E-03	-1.10E-03
9.93E+01	-3.50E-04	-1.18E-03	-1.03E-03
9.93E+01	-3.42E-04	-1.26E-03	-8.14E-04
9.93E+01	-3.43E-04	-1.35E-03	-5.66E-04
9.93E+01	-4.23E-04	-1.48E-03	-2.79E-04
9.93E+01	-5.39E-04	-1.61E-03	5.34E-05
9.93E+01	-6.56E-04	-1.77E-03	3.32E-04
9.93E+01	-8.10E-04	-1.95E-03	5.41E-04
9.94E+01	-1.00E-03	-2.18E-03	6.33E-04
9.94E+01	-1.20E-03	-2.45E-03	6.32E-04
9.94E+01	-1.34E-03	-2.70E-03	6.35E-04
9.94E+01	-1.42E-03	-2.90E-03	6.09E-04
9.94E+01	-1.51E-03	-3.06E-03	5.80E-04
9.94E+01	-1.59E-03	-3.14E-03	5.62E-04
9.94E+01	-1.65E-03	-3.11E-03	5.10E-04

9.94E+01	-1.75E-03	-2.99E-03	4.40E-04
9.94E+01	-1.88E-03	-2.77E-03	3.40E-04
9.94E+01	-1.96E-03	-2.46E-03	2.80E-04
9.94E+01	-1.99E-03	-2.07E-03	3.57E-04
9.94E+01	-2.00E-03	-1.67E-03	4.71E-04
9.94E+01	-2.00E-03	-1.32E-03	5.49E-04
9.94E+01	-2.00E-03	-1.04E-03	5.96E-04
9.94E+01	-1.97E-03	-8.05E-04	5.80E-04
9.94E+01	-1.89E-03	-6.17E-04	5.81E-04
9.94E+01	-1.84E-03	-4.74E-04	6.27E-04
9.94E+01	-1.79E-03	-3.31E-04	7.20E-04
9.94E+01	-1.70E-03	-1.24E-04	8.91E-04
9.94E+01	-1.61E-03	1.28E-04	9.73E-04
9.95E+01	-1.55E-03	4.01E-04	8.98E-04
9.95E+01	-1.54E-03	7.09E-04	8.03E-04
9.95E+01	-1.55E-03	1.05E-03	7.27E-04
9.95E+01	-1.61E-03	1.39E-03	6.69E-04
9.95E+01	-1.74E-03	1.67E-03	6.21E-04
9.95E+01	-1.89E-03	1.88E-03	5.92E-04
9.95E+01	-2.03E-03	2.03E-03	6.61E-04
9.95E+01	-2.17E-03	2.11E-03	7.84E-04
9.95E+01	-2.35E-03	2.11E-03	8.66E-04
9.95E+01	-2.58E-03	2.12E-03	9.11E-04
9.95E+01	-2.79E-03	2.17E-03	9.14E-04
9.95E+01	-2.96E-03	2.27E-03	9.09E-04
9.95E+01	-3.14E-03	2.38E-03	9.34E-04
9.95E+01	-3.28E-03	2.47E-03	9.45E-04
9.95E+01	-3.36E-03	2.55E-03	9.60E-04
9.95E+01	-3.40E-03	2.59E-03	9.69E-04
9.95E+01	-3.40E-03	2.56E-03	9.40E-04
9.95E+01	-3.39E-03	2.49E-03	9.19E-04
9.95E+01	-3.32E-03	2.44E-03	8.52E-04
9.95E+01	-3.19E-03	2.42E-03	6.99E-04
9.96E+01	-3.05E-03	2.43E-03	5.04E-04
9.96E+01	-2.88E-03	2.48E-03	3.42E-04
9.96E+01	-2.66E-03	2.58E-03	3.73E-04
9.96E+01	-2.40E-03	2.73E-03	6.16E-04
9.96E+01	-2.19E-03	2.87E-03	9.33E-04
9.96E+01	-2.07E-03	3.00E-03	1.26E-03
9.96E+01	-2.00E-03	3.12E-03	1.55E-03
9.96E+01	-1.94E-03	3.22E-03	1.77E-03
9.96E+01	-1.96E-03	3.33E-03	1.91E-03
9.96E+01	-2.03E-03	3.46E-03	1.93E-03
9.96E+01	-2.09E-03	3.62E-03	1.87E-03
9.96E+01	-2.16E-03	3.86E-03	1.82E-03
9.96E+01	-2.22E-03	4.08E-03	1.71E-03
9.96E+01	-2.29E-03	4.27E-03	1.63E-03

9.96E+01	-2.36E-03	4.44E-03	1.61E-03
9.96E+01	-2.40E-03	4.56E-03	1.63E-03
9.96E+01	-2.48E-03	4.63E-03	1.67E-03
9.96E+01	-2.60E-03	4.61E-03	1.53E-03
9.96E+01	-2.74E-03	4.53E-03	1.22E-03
9.96E+01	-2.88E-03	4.48E-03	8.70E-04
9.97E+01	-3.03E-03	4.43E-03	4.97E-04
9.97E+01	-3.22E-03	4.35E-03	2.33E-04
9.97E+01	-3.43E-03	4.27E-03	1.39E-04
9.97E+01	-3.61E-03	4.14E-03	1.41E-04
9.97E+01	-3.79E-03	3.95E-03	2.53E-04
9.97E+01	-3.96E-03	3.68E-03	4.29E-04
9.97E+01	-4.07E-03	3.35E-03	6.61E-04
9.97E+01	-4.05E-03	3.01E-03	1.01E-03
9.97E+01	-3.94E-03	2.67E-03	1.29E-03
9.97E+01	-3.77E-03	2.28E-03	1.41E-03
9.97E+01	-3.51E-03	1.90E-03	1.48E-03
9.97E+01	-3.20E-03	1.56E-03	1.51E-03
9.97E+01	-2.90E-03	1.23E-03	1.57E-03
9.97E+01	-2.67E-03	8.70E-04	1.64E-03
9.97E+01	-2.48E-03	4.95E-04	1.67E-03
9.97E+01	-2.33E-03	1.46E-04	1.72E-03
9.97E+01	-2.23E-03	-1.39E-04	1.76E-03
9.97E+01	-2.19E-03	-3.60E-04	1.72E-03
9.97E+01	-2.17E-03	-4.60E-04	1.66E-03
9.97E+01	-2.11E-03	-4.25E-04	1.59E-03
9.98E+01	-2.07E-03	-3.41E-04	1.52E-03
9.98E+01	-2.10E-03	-2.29E-04	1.46E-03
9.98E+01	-2.20E-03	-1.19E-04	1.37E-03
9.98E+01	-2.31E-03	-2.06E-05	1.31E-03
9.98E+01	-2.42E-03	2.21E-05	1.25E-03
9.98E+01	-2.55E-03	-4.39E-05	1.14E-03
9.98E+01	-2.71E-03	-1.50E-04	1.03E-03
9.98E+01	-2.86E-03	-2.36E-04	8.80E-04
9.98E+01	-2.98E-03	-2.83E-04	7.24E-04
9.98E+01	-3.15E-03	-3.22E-04	5.97E-04
9.98E+01	-3.31E-03	-3.56E-04	5.14E-04
9.98E+01	-3.44E-03	-3.71E-04	5.38E-04
9.98E+01	-3.55E-03	-3.95E-04	5.23E-04
9.98E+01	-3.60E-03	-4.21E-04	4.48E-04
9.98E+01	-3.64E-03	-4.55E-04	4.57E-04
9.98E+01	-3.63E-03	-4.78E-04	5.18E-04
9.98E+01	-3.54E-03	-4.63E-04	6.32E-04
9.98E+01	-3.47E-03	-4.45E-04	7.42E-04
9.98E+01	-3.41E-03	-3.95E-04	7.78E-04
9.98E+01	-3.35E-03	-2.79E-04	8.17E-04
9.99E+01	-3.32E-03	-1.30E-04	7.72E-04

9.99E+01	-3.31E-03	6.14E-05	6.67E-04
9.99E+01	-3.34E-03	3.01E-04	6.79E-04
9.99E+01	-3.38E-03	5.73E-04	7.54E-04
9.99E+01	-3.38E-03	8.83E-04	8.71E-04
9.99E+01	-3.41E-03	1.17E-03	1.02E-03
9.99E+01	-3.45E-03	1.43E-03	1.10E-03
9.99E+01	-3.48E-03	1.68E-03	1.12E-03
9.99E+01	-3.52E-03	1.89E-03	1.04E-03
9.99E+01	-3.57E-03	2.02E-03	8.65E-04
9.99E+01	-3.67E-03	2.08E-03	7.29E-04
9.99E+01	-3.74E-03	2.08E-03	6.52E-04
9.99E+01	-3.74E-03	2.04E-03	6.34E-04
9.99E+01	-3.79E-03	1.94E-03	6.59E-04
9.99E+01	-3.87E-03	1.83E-03	5.99E-04
9.99E+01	-3.94E-03	1.74E-03	5.44E-04
9.99E+01	-3.98E-03	1.68E-03	5.26E-04
9.99E+01	-3.95E-03	1.64E-03	4.24E-04
9.99E+01	-3.95E-03	1.62E-03	3.45E-04
9.99E+01	-3.91E-03	1.61E-03	3.14E-04
1.00E+02	-3.80E-03	1.59E-03	3.62E-04
1.00E+02	-3.71E-03	1.55E-03	5.43E-04
1.00E+02	-3.62E-03	1.44E-03	7.01E-04
1.00E+02	-3.51E-03	1.31E-03	8.90E-04
1.00E+02	-3.37E-03	1.21E-03	1.12E-03
1.00E+02	-3.17E-03	1.13E-03	1.22E-03
1.00E+02	-2.95E-03	1.11E-03	1.22E-03
1.00E+02	-2.67E-03	1.17E-03	1.16E-03
1.00E+02	-2.25E-03	1.28E-03	1.11E-03
1.00E+02	-1.79E-03	1.43E-03	1.17E-03
1.00E+02	-1.32E-03	1.54E-03	1.28E-03
1.00E+02	-8.78E-04	1.60E-03	1.44E-03
1.00E+02	-4.75E-04	1.65E-03	1.67E-03
1.00E+02	-9.56E-05	1.70E-03	1.85E-03
1.00E+02	1.52E-04	1.74E-03	1.97E-03
1.00E+02	2.52E-04	1.84E-03	2.02E-03
1.00E+02	2.88E-04	2.04E-03	1.96E-03
1.00E+02	2.35E-04	2.34E-03	1.83E-03
1.00E+02	1.12E-04	2.67E-03	1.62E-03
1.00E+02	-1.41E-05	3.00E-03	1.43E-03
1.00E+02	-1.32E-04	3.35E-03	1.42E-03
1.00E+02	-2.47E-04	3.65E-03	1.43E-03
1.00E+02	-4.07E-04	3.85E-03	1.40E-03
1.00E+02	-6.46E-04	3.97E-03	1.37E-03
1.00E+02	-9.18E-04	4.00E-03	1.25E-03
1.00E+02	-1.24E-03	4.00E-03	1.14E-03
1.00E+02	-1.64E-03	3.96E-03	1.02E-03
1.00E+02	-2.06E-03	3.92E-03	8.85E-04

1.00E+02	-2.45E-03	3.94E-03	8.85E-04
1.00E+02	-2.76E-03	4.00E-03	9.07E-04
1.00E+02	-3.00E-03	4.10E-03	9.32E-04
1.00E+02	-3.17E-03	4.26E-03	1.02E-03
1.00E+02	-3.22E-03	4.43E-03	9.87E-04
1.00E+02	-3.16E-03	4.58E-03	8.83E-04
1.00E+02	-3.06E-03	4.67E-03	7.41E-04
1.00E+02	-2.87E-03	4.69E-03	5.58E-04
1.00E+02	-2.63E-03	4.69E-03	5.01E-04
1.00E+02	-2.34E-03	4.63E-03	4.80E-04
1.00E+02	-2.06E-03	4.53E-03	4.21E-04
1.00E+02	-1.82E-03	4.42E-03	4.26E-04
1.00E+02	-1.56E-03	4.26E-03	4.51E-04
1.00E+02	-1.28E-03	4.10E-03	5.12E-04
1.00E+02	-1.08E-03	3.92E-03	5.79E-04
1.00E+02	-9.65E-04	3.74E-03	5.74E-04
1.00E+02	-9.17E-04	3.61E-03	6.61E-04
1.00E+02	-9.35E-04	3.52E-03	7.37E-04
1.00E+02	-9.97E-04	3.43E-03	6.75E-04
1.00E+02	-1.14E-03	3.37E-03	6.63E-04
1.00E+02	-1.31E-03	3.34E-03	6.96E-04
1.00E+02	-1.43E-03	3.32E-03	7.69E-04
1.00E+02	-1.56E-03	3.30E-03	9.03E-04
1.00E+02	-1.65E-03	3.25E-03	1.04E-03
1.00E+02	-1.68E-03	3.19E-03	1.26E-03
1.00E+02	-1.69E-03	3.11E-03	1.44E-03
1.00E+02	-1.68E-03	3.00E-03	1.42E-03
1.00E+02	-1.73E-03	2.88E-03	1.17E-03
1.00E+02	-1.78E-03	2.78E-03	7.28E-04
1.00E+02	-1.78E-03	2.68E-03	2.13E-04
1.00E+02	-1.78E-03	2.55E-03	-2.72E-04
1.00E+02	-1.82E-03	2.35E-03	-7.90E-04
1.00E+02	-1.83E-03	2.10E-03	-1.23E-03
1.00E+02	-1.83E-03	1.86E-03	-1.47E-03
1.00E+02	-1.81E-03	1.57E-03	-1.66E-03
1.00E+02	-1.79E-03	1.28E-03	-1.74E-03
1.00E+02	-1.78E-03	1.04E-03	-1.66E-03
1.00E+02	-1.72E-03	8.86E-04	-1.46E-03
1.00E+02	-1.64E-03	8.17E-04	-1.08E-03
1.00E+02	-1.57E-03	7.42E-04	-6.42E-04
1.00E+02	-1.44E-03	6.72E-04	-2.00E-04
1.00E+02	-1.27E-03	6.28E-04	2.92E-04
1.00E+02	-1.09E-03	5.88E-04	6.60E-04
1.00E+02	-9.28E-04	5.60E-04	8.85E-04
1.00E+02	-7.95E-04	5.98E-04	1.06E-03
1.00E+02	-6.09E-04	7.30E-04	1.13E-03
1.00E+02	-4.43E-04	9.24E-04	1.15E-03

1.00E+02	-3.61E-04	1.13E-03	1.09E-03
1.00E+02	-3.31E-04	1.33E-03	9.66E-04
1.00E+02	-3.56E-04	1.58E-03	8.80E-04
1.00E+02	-4.17E-04	1.83E-03	7.46E-04
1.00E+02	-5.22E-04	2.06E-03	5.91E-04
1.00E+02	-6.69E-04	2.31E-03	4.96E-04
1.00E+02	-7.62E-04	2.55E-03	4.26E-04
1.00E+02	-8.06E-04	2.82E-03	4.01E-04
1.00E+02	-8.48E-04	3.08E-03	2.79E-04
1.00E+02	-8.20E-04	3.29E-03	5.09E-05
1.00E+02	-6.98E-04	3.50E-03	-1.35E-04
1.00E+02	-4.97E-04	3.66E-03	-3.73E-04
1.00E+02	-2.39E-04	3.72E-03	-6.42E-04
1.00E+02	4.01E-05	3.74E-03	-8.70E-04
1.00E+02	3.82E-04	3.68E-03	-1.12E-03
1.00E+02	7.43E-04	3.57E-03	-1.34E-03
1.00E+02	1.04E-03	3.40E-03	-1.53E-03
1.00E+02	1.32E-03	3.19E-03	-1.67E-03
1.00E+02	1.59E-03	3.02E-03	-1.63E-03
1.00E+02	1.83E-03	2.83E-03	-1.51E-03
1.00E+02	2.05E-03	2.58E-03	-1.39E-03
1.00E+02	2.19E-03	2.31E-03	-1.23E-03
1.00E+02	2.31E-03	2.05E-03	-1.09E-03
1.00E+02	2.42E-03	1.81E-03	-9.78E-04
1.00E+02	2.45E-03	1.59E-03	-8.97E-04
1.00E+02	2.42E-03	1.38E-03	-9.11E-04
1.00E+02	2.36E-03	1.21E-03	-9.35E-04
1.00E+02	2.26E-03	1.05E-03	-9.76E-04
1.00E+02	2.16E-03	8.45E-04	-1.08E-03
1.00E+02	2.02E-03	5.97E-04	-1.18E-03
1.00E+02	1.90E-03	3.09E-04	-1.27E-03
1.00E+02	1.87E-03	-2.46E-05	-1.39E-03
1.00E+02	1.81E-03	-3.92E-04	-1.52E-03
1.00E+02	1.73E-03	-7.66E-04	-1.67E-03
1.00E+02	1.69E-03	-1.08E-03	-1.71E-03
1.01E+02	1.62E-03	-1.34E-03	-1.63E-03
1.01E+02	1.52E-03	-1.60E-03	-1.61E-03
1.01E+02	1.35E-03	-1.85E-03	-1.66E-03
1.01E+02	1.11E-03	-2.04E-03	-1.76E-03
1.01E+02	8.54E-04	-2.15E-03	-1.90E-03
1.01E+02	5.38E-04	-2.19E-03	-1.99E-03
1.01E+02	1.69E-04	-2.17E-03	-2.04E-03
1.01E+02	-1.76E-04	-2.06E-03	-1.98E-03
1.01E+02	-5.04E-04	-1.82E-03	-1.79E-03
1.01E+02	-8.33E-04	-1.54E-03	-1.60E-03
1.01E+02	-1.17E-03	-1.24E-03	-1.41E-03
1.01E+02	-1.52E-03	-9.37E-04	-1.26E-03

1.01E+02	-1.82E-03	-6.59E-04	-1.25E-03
1.01E+02	-2.08E-03	-4.30E-04	-1.33E-03
1.01E+02	-2.33E-03	-2.76E-04	-1.49E-03
1.01E+02	-2.52E-03	-1.69E-04	-1.67E-03
1.01E+02	-2.68E-03	-7.21E-05	-1.82E-03
1.01E+02	-2.80E-03	-1.93E-05	-1.99E-03
1.01E+02	-2.91E-03	9.16E-06	-2.05E-03
1.01E+02	-3.01E-03	5.19E-05	-1.96E-03
1.01E+02	-3.04E-03	8.89E-05	-1.89E-03
1.01E+02	-3.07E-03	1.08E-04	-1.85E-03
1.01E+02	-3.10E-03	6.96E-05	-1.83E-03
1.01E+02	-3.11E-03	-5.78E-05	-1.84E-03
1.01E+02	-3.13E-03	-2.53E-04	-1.83E-03
1.01E+02	-3.17E-03	-5.15E-04	-1.87E-03
1.01E+02	-3.24E-03	-7.91E-04	-1.93E-03
1.01E+02	-3.37E-03	-1.00E-03	-1.87E-03
1.01E+02	-3.46E-03	-1.13E-03	-1.71E-03
1.01E+02	-3.53E-03	-1.19E-03	-1.46E-03
1.01E+02	-3.60E-03	-1.22E-03	-1.25E-03
1.01E+02	-3.63E-03	-1.24E-03	-1.11E-03
1.01E+02	-3.59E-03	-1.23E-03	-9.52E-04
1.01E+02	-3.50E-03	-1.27E-03	-8.67E-04
1.01E+02	-3.38E-03	-1.36E-03	-8.41E-04
1.01E+02	-3.27E-03	-1.45E-03	-8.13E-04
1.01E+02	-3.15E-03	-1.55E-03	-8.56E-04
1.01E+02	-3.03E-03	-1.68E-03	-9.61E-04
1.01E+02	-2.98E-03	-1.81E-03	-1.17E-03
1.01E+02	-2.95E-03	-1.93E-03	-1.46E-03
1.01E+02	-2.92E-03	-1.97E-03	-1.67E-03
1.01E+02	-2.86E-03	-1.91E-03	-1.84E-03
1.01E+02	-2.80E-03	-1.80E-03	-2.02E-03
1.01E+02	-2.76E-03	-1.64E-03	-2.10E-03
1.01E+02	-2.64E-03	-1.40E-03	-2.08E-03
1.01E+02	-2.42E-03	-1.16E-03	-2.02E-03
1.01E+02	-2.18E-03	-9.75E-04	-2.01E-03
1.01E+02	-1.90E-03	-8.76E-04	-2.11E-03
1.01E+02	-1.54E-03	-8.39E-04	-2.23E-03
1.01E+02	-1.14E-03	-8.61E-04	-2.38E-03
1.01E+02	-7.30E-04	-9.89E-04	-2.67E-03
1.01E+02	-3.54E-04	-1.18E-03	-2.94E-03
1.01E+02	1.91E-05	-1.42E-03	-3.12E-03
1.01E+02	3.88E-04	-1.70E-03	-3.17E-03
1.01E+02	6.53E-04	-2.00E-03	-3.07E-03
1.01E+02	8.64E-04	-2.31E-03	-2.94E-03
1.01E+02	1.07E-03	-2.57E-03	-2.74E-03
1.01E+02	1.23E-03	-2.75E-03	-2.54E-03
1.01E+02	1.35E-03	-2.90E-03	-2.45E-03

1.01E+02	1.39E-03	-2.97E-03	-2.36E-03
1.01E+02	1.44E-03	-2.95E-03	-2.21E-03
1.01E+02	1.54E-03	-2.88E-03	-2.01E-03
1.01E+02	1.63E-03	-2.82E-03	-1.77E-03
1.01E+02	1.71E-03	-2.83E-03	-1.53E-03
1.01E+02	1.80E-03	-2.85E-03	-1.21E-03
1.01E+02	1.93E-03	-2.92E-03	-9.38E-04
1.01E+02	2.08E-03	-3.03E-03	-8.49E-04
1.01E+02	2.24E-03	-3.12E-03	-8.14E-04
1.01E+02	2.42E-03	-3.16E-03	-8.51E-04
1.01E+02	2.64E-03	-3.13E-03	-9.94E-04
1.01E+02	2.83E-03	-3.02E-03	-1.22E-03
1.01E+02	2.91E-03	-2.95E-03	-1.57E-03
1.01E+02	2.98E-03	-2.92E-03	-1.85E-03
1.01E+02	3.00E-03	-2.88E-03	-2.02E-03
1.01E+02	2.96E-03	-2.94E-03	-2.26E-03
1.01E+02	2.85E-03	-3.02E-03	-2.43E-03
1.01E+02	2.71E-03	-3.07E-03	-2.57E-03
1.01E+02	2.63E-03	-3.08E-03	-2.70E-03
1.01E+02	2.59E-03	-3.02E-03	-2.64E-03
1.01E+02	2.57E-03	-2.90E-03	-2.46E-03
1.01E+02	2.58E-03	-2.79E-03	-2.20E-03
1.01E+02	2.62E-03	-2.67E-03	-1.85E-03
1.01E+02	2.69E-03	-2.60E-03	-1.55E-03
1.01E+02	2.77E-03	-2.57E-03	-1.26E-03
1.01E+02	2.83E-03	-2.55E-03	-1.00E-03
1.01E+02	2.90E-03	-2.52E-03	-8.14E-04
1.01E+02	2.91E-03	-2.47E-03	-7.04E-04
1.01E+02	2.79E-03	-2.43E-03	-7.18E-04
1.01E+02	2.63E-03	-2.36E-03	-7.05E-04
1.01E+02	2.45E-03	-2.25E-03	-5.39E-04
1.01E+02	2.23E-03	-2.18E-03	-3.88E-04
1.01E+02	1.98E-03	-2.17E-03	-3.39E-04
1.01E+02	1.70E-03	-2.17E-03	-3.65E-04
1.01E+02	1.51E-03	-2.18E-03	-4.43E-04
1.01E+02	1.45E-03	-2.15E-03	-4.81E-04
1.01E+02	1.44E-03	-2.11E-03	-5.64E-04
1.01E+02	1.49E-03	-2.05E-03	-7.43E-04
1.01E+02	1.59E-03	-1.94E-03	-8.52E-04
1.01E+02	1.71E-03	-1.81E-03	-9.29E-04
1.01E+02	1.81E-03	-1.68E-03	-1.03E-03
1.01E+02	1.85E-03	-1.55E-03	-1.12E-03
1.01E+02	1.88E-03	-1.42E-03	-1.19E-03
1.01E+02	1.91E-03	-1.23E-03	-1.17E-03
1.01E+02	1.86E-03	-1.03E-03	-1.16E-03
1.01E+02	1.79E-03	-8.11E-04	-1.16E-03
1.01E+02	1.75E-03	-4.83E-04	-1.07E-03

1.01E+02	1.68E-03	-1.29E-04	-1.01E-03
1.01E+02	1.57E-03	1.67E-04	-1.02E-03
1.01E+02	1.38E-03	4.45E-04	-1.02E-03
1.01E+02	1.19E-03	7.18E-04	-1.04E-03
1.01E+02	1.04E-03	9.93E-04	-1.05E-03
1.01E+02	8.79E-04	1.24E-03	-1.06E-03
1.01E+02	7.53E-04	1.45E-03	-1.03E-03
1.01E+02	7.21E-04	1.67E-03	-8.30E-04
1.01E+02	7.63E-04	1.86E-03	-5.51E-04
1.01E+02	8.55E-04	1.96E-03	-2.99E-04
1.01E+02	9.64E-04	1.99E-03	-3.97E-05
1.01E+02	1.10E-03	1.92E-03	1.82E-04
1.01E+02	1.28E-03	1.76E-03	3.95E-04
1.01E+02	1.44E-03	1.55E-03	5.96E-04
1.01E+02	1.61E-03	1.26E-03	7.01E-04
1.01E+02	1.85E-03	9.73E-04	8.01E-04
1.01E+02	2.13E-03	6.90E-04	8.96E-04
1.01E+02	2.44E-03	3.46E-04	8.96E-04
1.01E+02	2.74E-03	-1.54E-05	8.76E-04
1.01E+02	3.06E-03	-4.05E-04	7.71E-04
1.01E+02	3.42E-03	-8.24E-04	5.66E-04
1.01E+02	3.73E-03	-1.22E-03	4.06E-04
1.01E+02	3.94E-03	-1.61E-03	2.46E-04
1.01E+02	4.08E-03	-1.93E-03	1.32E-04
1.01E+02	4.15E-03	-2.17E-03	9.42E-05
1.01E+02	4.14E-03	-2.40E-03	1.05E-05
1.01E+02	4.03E-03	-2.60E-03	-7.23E-05
1.01E+02	3.85E-03	-2.80E-03	-1.40E-04
1.01E+02	3.69E-03	-2.96E-03	-1.95E-04
1.01E+02	3.52E-03	-3.10E-03	-2.29E-04
1.01E+02	3.34E-03	-3.26E-03	-3.00E-04
1.01E+02	3.22E-03	-3.41E-03	-2.72E-04
1.01E+02	3.13E-03	-3.56E-03	-1.14E-04
1.01E+02	3.09E-03	-3.73E-03	2.63E-05
1.01E+02	3.02E-03	-3.89E-03	1.71E-04
1.01E+02	2.92E-03	-4.02E-03	3.03E-04
1.01E+02	2.89E-03	-4.10E-03	3.30E-04
1.01E+02	2.87E-03	-4.12E-03	2.54E-04
1.01E+02	2.84E-03	-4.10E-03	1.09E-04
1.01E+02	2.89E-03	-3.98E-03	3.78E-05
1.01E+02	3.00E-03	-3.77E-03	1.24E-04
1.01E+02	3.15E-03	-3.53E-03	2.28E-04
1.01E+02	3.31E-03	-3.25E-03	3.13E-04
1.01E+02	3.44E-03	-2.92E-03	3.93E-04
1.01E+02	3.62E-03	-2.51E-03	3.95E-04
1.01E+02	3.78E-03	-2.04E-03	3.34E-04
1.01E+02	3.85E-03	-1.55E-03	2.06E-04

1.01E+02	3.86E-03	-1.04E-03	1.07E-04
1.01E+02	3.80E-03	-4.50E-04	1.47E-04
1.01E+02	3.67E-03	9.77E-05	1.95E-04
1.01E+02	3.46E-03	5.52E-04	2.25E-04
1.01E+02	3.15E-03	9.23E-04	2.76E-04
1.01E+02	2.86E-03	1.18E-03	3.10E-04
1.01E+02	2.60E-03	1.32E-03	3.61E-04
1.01E+02	2.31E-03	1.35E-03	3.88E-04
1.01E+02	2.05E-03	1.30E-03	3.76E-04
1.01E+02	1.84E-03	1.21E-03	3.88E-04
1.01E+02	1.67E-03	1.08E-03	3.22E-04
1.01E+02	1.54E-03	8.55E-04	1.73E-04
1.01E+02	1.46E-03	6.19E-04	5.36E-05
1.01E+02	1.54E-03	3.96E-04	-6.45E-05
1.01E+02	1.73E-03	1.73E-04	-1.71E-04
1.01E+02	1.97E-03	-5.42E-05	-2.62E-04
1.01E+02	2.29E-03	-2.98E-04	-3.42E-04
1.01E+02	2.67E-03	-5.35E-04	-3.28E-04
1.01E+02	3.09E-03	-7.59E-04	-2.97E-04
1.01E+02	3.46E-03	-9.95E-04	-2.62E-04
1.01E+02	3.76E-03	-1.18E-03	-1.52E-04
1.01E+02	4.04E-03	-1.29E-03	-8.20E-05
1.01E+02	4.30E-03	-1.39E-03	-5.44E-05
1.01E+02	4.43E-03	-1.47E-03	-9.92E-06
1.01E+02	4.47E-03	-1.53E-03	4.77E-06
1.01E+02	4.43E-03	-1.56E-03	7.27E-05
1.01E+02	4.32E-03	-1.53E-03	1.56E-04
1.01E+02	4.14E-03	-1.52E-03	1.93E-04
1.01E+02	3.89E-03	-1.44E-03	3.31E-04
1.01E+02	3.65E-03	-1.26E-03	4.93E-04
1.01E+02	3.44E-03	-1.08E-03	6.28E-04
1.01E+02	3.23E-03	-8.29E-04	8.03E-04
1.01E+02	3.07E-03	-5.55E-04	9.74E-04
1.01E+02	3.01E-03	-2.72E-04	1.21E-03
1.01E+02	3.05E-03	2.37E-05	1.46E-03
1.01E+02	3.16E-03	2.61E-04	1.62E-03
1.01E+02	3.31E-03	4.54E-04	1.75E-03
1.01E+02	3.53E-03	5.97E-04	1.80E-03
1.01E+02	3.86E-03	6.95E-04	1.81E-03
1.01E+02	4.19E-03	7.82E-04	1.80E-03
1.01E+02	4.53E-03	8.51E-04	1.71E-03
1.01E+02	4.88E-03	9.55E-04	1.61E-03
1.01E+02	5.22E-03	1.11E-03	1.59E-03
1.01E+02	5.57E-03	1.27E-03	1.60E-03
1.01E+02	5.88E-03	1.43E-03	1.69E-03
1.01E+02	6.12E-03	1.61E-03	1.74E-03
1.01E+02	6.37E-03	1.78E-03	1.67E-03

1.02E+02	6.57E-03	1.98E-03	1.58E-03
1.02E+02	6.74E-03	2.14E-03	1.49E-03
1.02E+02	6.94E-03	2.25E-03	1.51E-03
1.02E+02	7.14E-03	2.33E-03	1.62E-03
1.02E+02	7.35E-03	2.28E-03	1.70E-03
1.02E+02	7.52E-03	2.11E-03	1.80E-03
1.02E+02	7.63E-03	1.85E-03	1.96E-03
1.02E+02	7.74E-03	1.52E-03	2.07E-03
1.02E+02	7.79E-03	1.16E-03	2.12E-03
1.02E+02	7.74E-03	7.51E-04	2.10E-03
1.02E+02	7.61E-03	3.74E-04	2.10E-03
1.02E+02	7.42E-03	8.98E-05	2.17E-03
1.02E+02	7.22E-03	-1.51E-04	2.21E-03
1.02E+02	6.95E-03	-3.43E-04	2.23E-03
1.02E+02	6.62E-03	-4.86E-04	2.23E-03
1.02E+02	6.34E-03	-5.91E-04	2.15E-03
1.02E+02	6.05E-03	-6.17E-04	2.06E-03
1.02E+02	5.74E-03	-6.00E-04	1.93E-03
1.02E+02	5.46E-03	-5.33E-04	1.75E-03
1.02E+02	5.19E-03	-3.87E-04	1.62E-03
1.02E+02	4.94E-03	-2.45E-04	1.44E-03
1.02E+02	4.70E-03	-1.29E-04	1.16E-03
1.02E+02	4.47E-03	-8.01E-06	8.41E-04
1.02E+02	4.31E-03	9.35E-05	5.74E-04
1.02E+02	4.20E-03	1.91E-04	4.43E-04
1.02E+02	4.06E-03	2.24E-04	3.28E-04
1.02E+02	3.92E-03	1.82E-04	1.51E-04
1.02E+02	3.83E-03	1.96E-04	3.53E-05
1.02E+02	3.78E-03	2.34E-04	-4.81E-05
1.02E+02	3.77E-03	2.88E-04	-9.86E-05
1.02E+02	3.79E-03	4.14E-04	-3.28E-05
1.02E+02	3.83E-03	5.78E-04	9.92E-05
1.02E+02	3.92E-03	7.79E-04	3.13E-04
1.02E+02	3.97E-03	9.78E-04	5.57E-04
1.02E+02	3.99E-03	1.11E-03	7.40E-04
1.02E+02	4.02E-03	1.22E-03	9.14E-04
1.02E+02	4.02E-03	1.32E-03	1.03E-03
1.02E+02	4.00E-03	1.39E-03	1.05E-03
1.02E+02	3.94E-03	1.49E-03	1.07E-03
1.02E+02	3.90E-03	1.63E-03	1.07E-03
1.02E+02	3.93E-03	1.80E-03	1.07E-03
1.02E+02	3.95E-03	1.98E-03	1.08E-03
1.02E+02	3.96E-03	2.09E-03	1.01E-03
1.02E+02	3.99E-03	2.18E-03	9.49E-04
1.02E+02	4.02E-03	2.29E-03	9.27E-04
1.02E+02	4.05E-03	2.37E-03	8.53E-04
1.02E+02	4.02E-03	2.45E-03	8.22E-04

1.02E+02	3.91E-03	2.54E-03	8.66E-04
1.02E+02	3.78E-03	2.64E-03	9.94E-04
1.02E+02	3.57E-03	2.71E-03	1.18E-03
1.02E+02	3.27E-03	2.70E-03	1.31E-03
1.02E+02	2.96E-03	2.68E-03	1.43E-03
1.02E+02	2.63E-03	2.66E-03	1.51E-03
1.02E+02	2.34E-03	2.62E-03	1.48E-03
1.02E+02	2.07E-03	2.64E-03	1.45E-03
1.02E+02	1.90E-03	2.71E-03	1.39E-03
1.02E+02	1.88E-03	2.80E-03	1.35E-03
1.02E+02	1.90E-03	2.90E-03	1.37E-03
1.02E+02	1.96E-03	2.92E-03	1.38E-03
1.02E+02	2.07E-03	2.94E-03	1.47E-03
1.02E+02	2.23E-03	2.93E-03	1.62E-03
1.02E+02	2.48E-03	2.86E-03	1.72E-03
1.02E+02	2.74E-03	2.75E-03	1.86E-03
1.02E+02	2.97E-03	2.60E-03	2.05E-03
1.02E+02	3.24E-03	2.44E-03	2.25E-03
1.02E+02	3.44E-03	2.31E-03	2.45E-03
1.02E+02	3.56E-03	2.12E-03	2.51E-03
1.02E+02	3.63E-03	1.92E-03	2.52E-03
1.02E+02	3.66E-03	1.74E-03	2.56E-03
1.02E+02	3.68E-03	1.53E-03	2.55E-03
1.02E+02	3.66E-03	1.36E-03	2.51E-03
1.02E+02	3.61E-03	1.21E-03	2.48E-03
1.02E+02	3.60E-03	1.08E-03	2.42E-03
1.02E+02	3.58E-03	1.01E-03	2.37E-03
1.02E+02	3.49E-03	9.46E-04	2.28E-03
1.02E+02	3.39E-03	9.08E-04	2.14E-03
1.02E+02	3.28E-03	9.17E-04	2.07E-03
1.02E+02	3.17E-03	9.09E-04	2.02E-03
1.02E+02	3.02E-03	8.78E-04	2.02E-03
1.02E+02	2.78E-03	8.77E-04	2.07E-03
1.02E+02	2.53E-03	9.01E-04	2.04E-03
1.02E+02	2.27E-03	9.71E-04	2.01E-03
1.02E+02	1.92E-03	1.08E-03	1.92E-03
1.02E+02	1.61E-03	1.24E-03	1.77E-03
1.02E+02	1.38E-03	1.49E-03	1.76E-03
1.02E+02	1.22E-03	1.79E-03	1.78E-03
1.02E+02	1.08E-03	2.09E-03	1.79E-03
1.02E+02	9.26E-04	2.39E-03	1.87E-03
1.02E+02	8.46E-04	2.67E-03	1.99E-03
1.02E+02	7.89E-04	2.89E-03	2.14E-03
1.02E+02	6.82E-04	3.00E-03	2.21E-03
1.02E+02	5.93E-04	3.02E-03	2.15E-03
1.02E+02	5.35E-04	2.98E-03	2.11E-03
1.02E+02	5.27E-04	2.89E-03	2.02E-03

1.02E+02	5.57E-04	2.74E-03	1.86E-03
1.02E+02	5.89E-04	2.57E-03	1.73E-03
1.02E+02	6.93E-04	2.41E-03	1.61E-03
1.02E+02	8.56E-04	2.26E-03	1.48E-03
1.02E+02	9.96E-04	2.09E-03	1.31E-03
1.02E+02	1.16E-03	1.92E-03	1.06E-03
1.02E+02	1.35E-03	1.77E-03	8.88E-04
1.02E+02	1.50E-03	1.64E-03	7.96E-04
1.02E+02	1.56E-03	1.53E-03	6.89E-04
1.02E+02	1.48E-03	1.46E-03	6.22E-04
1.02E+02	1.31E-03	1.42E-03	5.28E-04
1.02E+02	1.13E-03	1.42E-03	4.18E-04
1.02E+02	8.83E-04	1.41E-03	3.28E-04
1.02E+02	6.34E-04	1.40E-03	2.24E-04
1.02E+02	4.57E-04	1.44E-03	2.08E-04
1.02E+02	3.44E-04	1.52E-03	2.77E-04
1.02E+02	2.81E-04	1.59E-03	3.29E-04
1.02E+02	2.24E-04	1.66E-03	3.77E-04
1.02E+02	1.56E-04	1.72E-03	3.61E-04
1.02E+02	8.54E-05	1.77E-03	2.82E-04
1.02E+02	-4.37E-05	1.81E-03	1.87E-04
1.02E+02	-2.32E-04	1.82E-03	6.12E-05
1.02E+02	-4.13E-04	1.84E-03	5.46E-05
1.02E+02	-5.40E-04	1.91E-03	1.60E-04
1.02E+02	-6.03E-04	1.93E-03	2.09E-04
1.02E+02	-6.71E-04	1.92E-03	2.46E-04
1.02E+02	-6.89E-04	1.92E-03	2.33E-04
1.02E+02	-5.75E-04	1.93E-03	2.05E-04
1.02E+02	-4.47E-04	1.97E-03	3.00E-04
1.02E+02	-3.12E-04	2.05E-03	4.18E-04
1.02E+02	-1.17E-04	2.15E-03	5.57E-04
1.02E+02	9.96E-05	2.30E-03	7.32E-04
1.02E+02	3.41E-04	2.42E-03	8.14E-04
1.02E+02	5.41E-04	2.49E-03	8.36E-04
1.02E+02	7.10E-04	2.53E-03	7.98E-04
1.02E+02	9.27E-04	2.54E-03	6.83E-04
1.02E+02	1.13E-03	2.46E-03	5.99E-04
1.02E+02	1.31E-03	2.29E-03	5.33E-04
1.02E+02	1.48E-03	2.08E-03	4.88E-04
1.02E+02	1.64E-03	1.92E-03	5.25E-04
1.02E+02	1.82E-03	1.78E-03	5.05E-04
1.02E+02	1.88E-03	1.64E-03	3.51E-04
1.02E+02	1.85E-03	1.56E-03	1.74E-04
1.02E+02	1.82E-03	1.57E-03	-2.86E-06
1.02E+02	1.73E-03	1.60E-03	-1.36E-04
1.02E+02	1.54E-03	1.63E-03	-2.35E-04
1.02E+02	1.33E-03	1.62E-03	-3.47E-04

1.02E+02	1.12E-03	1.62E-03	-3.25E-04
1.02E+02	9.65E-04	1.63E-03	-2.06E-04
1.02E+02	8.70E-04	1.63E-03	-1.38E-04
1.02E+02	8.12E-04	1.62E-03	-1.25E-04
1.02E+02	8.57E-04	1.63E-03	-1.16E-04
1.02E+02	1.00E-03	1.66E-03	-2.42E-05
1.02E+02	1.13E-03	1.64E-03	1.03E-04
1.02E+02	1.26E-03	1.54E-03	2.50E-04
1.02E+02	1.37E-03	1.43E-03	4.55E-04
1.02E+02	1.43E-03	1.26E-03	5.64E-04
1.02E+02	1.46E-03	1.05E-03	5.36E-04
1.02E+02	1.44E-03	8.78E-04	4.86E-04
1.02E+02	1.40E-03	7.45E-04	4.06E-04
1.02E+02	1.40E-03	6.84E-04	3.21E-04
1.02E+02	1.38E-03	6.69E-04	2.30E-04
1.02E+02	1.31E-03	6.27E-04	1.22E-04
1.02E+02	1.20E-03	5.84E-04	1.12E-04
1.02E+02	1.09E-03	5.29E-04	1.56E-04
1.02E+02	9.54E-04	3.90E-04	1.87E-04
1.02E+02	7.46E-04	1.84E-04	2.50E-04
1.02E+02	5.31E-04	-3.36E-05	2.80E-04
1.02E+02	3.21E-04	-2.62E-04	2.07E-04
1.02E+02	6.64E-05	-4.57E-04	-1.60E-05
1.02E+02	-1.86E-04	-6.02E-04	-3.81E-04
1.02E+02	-3.98E-04	-6.98E-04	-7.15E-04
1.02E+02	-6.03E-04	-7.48E-04	-9.59E-04
1.02E+02	-8.40E-04	-8.28E-04	-1.18E-03
1.02E+02	-1.14E-03	-9.05E-04	-1.35E-03
1.02E+02	-1.43E-03	-9.33E-04	-1.48E-03
1.02E+02	-1.67E-03	-9.67E-04	-1.62E-03
1.02E+02	-1.92E-03	-1.00E-03	-1.72E-03
1.02E+02	-2.16E-03	-1.02E-03	-1.87E-03
1.02E+02	-2.36E-03	-9.93E-04	-2.04E-03
1.02E+02	-2.52E-03	-8.95E-04	-2.12E-03
1.02E+02	-2.66E-03	-7.93E-04	-2.20E-03
1.02E+02	-2.81E-03	-7.02E-04	-2.26E-03
1.02E+02	-2.95E-03	-6.16E-04	-2.29E-03
1.02E+02	-3.03E-03	-5.30E-04	-2.32E-03
1.02E+02	-3.12E-03	-4.38E-04	-2.35E-03
1.02E+02	-3.26E-03	-3.56E-04	-2.47E-03
1.02E+02	-3.38E-03	-2.35E-04	-2.66E-03
1.02E+02	-3.48E-03	-1.72E-05	-2.77E-03
1.02E+02	-3.58E-03	2.45E-04	-2.78E-03
1.02E+02	-3.70E-03	5.02E-04	-2.67E-03
1.02E+02	-3.83E-03	7.30E-04	-2.38E-03
1.02E+02	-3.92E-03	8.94E-04	-1.99E-03
1.02E+02	-4.00E-03	9.85E-04	-1.57E-03

1.02E+02	-4.13E-03	9.91E-04	-1.23E-03
1.02E+02	-4.22E-03	9.89E-04	-9.16E-04
1.02E+02	-4.26E-03	1.05E-03	-6.06E-04
1.02E+02	-4.30E-03	1.11E-03	-4.27E-04
1.02E+02	-4.37E-03	1.17E-03	-3.83E-04
1.02E+02	-4.49E-03	1.24E-03	-3.91E-04
1.02E+02	-4.61E-03	1.32E-03	-4.23E-04
1.02E+02	-4.77E-03	1.41E-03	-4.13E-04
1.02E+02	-4.96E-03	1.46E-03	-3.75E-04
1.02E+02	-5.13E-03	1.47E-03	-3.69E-04
1.02E+02	-5.26E-03	1.48E-03	-4.15E-04
1.02E+02	-5.36E-03	1.45E-03	-6.53E-04
1.03E+02	-5.46E-03	1.37E-03	-1.07E-03
1.03E+02	-5.59E-03	1.27E-03	-1.49E-03
1.03E+02	-5.65E-03	1.13E-03	-1.86E-03
1.03E+02	-5.69E-03	9.41E-04	-2.10E-03
1.03E+02	-5.76E-03	6.58E-04	-2.17E-03
1.03E+02	-5.82E-03	3.24E-04	-2.10E-03
1.03E+02	-5.86E-03	6.29E-06	-1.88E-03
1.03E+02	-5.89E-03	-3.07E-04	-1.70E-03
1.03E+02	-5.90E-03	-5.76E-04	-1.64E-03
1.03E+02	-5.93E-03	-7.59E-04	-1.65E-03
1.03E+02	-5.92E-03	-8.32E-04	-1.71E-03
1.03E+02	-5.86E-03	-7.93E-04	-1.75E-03
1.03E+02	-5.83E-03	-7.16E-04	-1.79E-03
1.03E+02	-5.83E-03	-6.52E-04	-1.82E-03
1.03E+02	-5.82E-03	-5.86E-04	-1.73E-03
1.03E+02	-5.85E-03	-5.35E-04	-1.60E-03
1.03E+02	-5.94E-03	-5.22E-04	-1.51E-03
1.03E+02	-6.09E-03	-5.03E-04	-1.47E-03
1.03E+02	-6.22E-03	-4.52E-04	-1.48E-03
1.03E+02	-6.32E-03	-3.77E-04	-1.50E-03
1.03E+02	-6.42E-03	-3.07E-04	-1.56E-03
1.03E+02	-6.48E-03	-2.86E-04	-1.64E-03
1.03E+02	-6.46E-03	-2.76E-04	-1.62E-03
1.03E+02	-6.35E-03	-2.87E-04	-1.51E-03
1.03E+02	-6.17E-03	-3.68E-04	-1.43E-03
1.03E+02	-5.96E-03	-4.86E-04	-1.39E-03
1.03E+02	-5.70E-03	-5.97E-04	-1.44E-03
1.03E+02	-5.38E-03	-6.57E-04	-1.54E-03
1.03E+02	-5.08E-03	-6.88E-04	-1.61E-03
1.03E+02	-4.81E-03	-7.40E-04	-1.62E-03
1.03E+02	-4.54E-03	-7.90E-04	-1.52E-03
1.03E+02	-4.32E-03	-8.64E-04	-1.37E-03
1.03E+02	-4.17E-03	-1.01E-03	-1.35E-03
1.03E+02	-4.11E-03	-1.22E-03	-1.47E-03
1.03E+02	-4.09E-03	-1.44E-03	-1.57E-03

1.03E+02	-4.03E-03	-1.63E-03	-1.60E-03
1.03E+02	-4.00E-03	-1.80E-03	-1.61E-03
1.03E+02	-3.98E-03	-1.96E-03	-1.66E-03
1.03E+02	-3.93E-03	-2.07E-03	-1.63E-03
1.03E+02	-3.85E-03	-2.13E-03	-1.44E-03
1.03E+02	-3.75E-03	-2.18E-03	-1.18E-03
1.03E+02	-3.68E-03	-2.26E-03	-8.66E-04
1.03E+02	-3.64E-03	-2.38E-03	-5.46E-04
1.03E+02	-3.58E-03	-2.51E-03	-2.75E-04
1.03E+02	-3.55E-03	-2.62E-03	-6.75E-05
1.03E+02	-3.52E-03	-2.74E-03	1.98E-05
1.03E+02	-3.46E-03	-2.82E-03	7.97E-05
1.03E+02	-3.40E-03	-2.83E-03	1.22E-04
1.03E+02	-3.36E-03	-2.81E-03	4.96E-06
1.03E+02	-3.41E-03	-2.82E-03	-2.29E-04
1.03E+02	-3.52E-03	-2.80E-03	-4.91E-04
1.03E+02	-3.63E-03	-2.76E-03	-7.59E-04
1.03E+02	-3.77E-03	-2.76E-03	-1.03E-03
1.03E+02	-3.97E-03	-2.79E-03	-1.30E-03
1.03E+02	-4.16E-03	-2.86E-03	-1.53E-03
1.03E+02	-4.35E-03	-2.91E-03	-1.66E-03
1.03E+02	-4.45E-03	-2.94E-03	-1.71E-03
1.03E+02	-4.53E-03	-3.03E-03	-1.72E-03
1.03E+02	-4.63E-03	-3.15E-03	-1.71E-03
1.03E+02	-4.64E-03	-3.25E-03	-1.72E-03
1.03E+02	-4.65E-03	-3.35E-03	-1.78E-03
1.03E+02	-4.68E-03	-3.44E-03	-1.97E-03
1.03E+02	-4.66E-03	-3.53E-03	-2.20E-03
1.03E+02	-4.64E-03	-3.56E-03	-2.31E-03
1.03E+02	-4.66E-03	-3.60E-03	-2.38E-03
1.03E+02	-4.75E-03	-3.68E-03	-2.44E-03
1.03E+02	-4.92E-03	-3.74E-03	-2.45E-03
1.03E+02	-5.11E-03	-3.79E-03	-2.42E-03
1.03E+02	-5.27E-03	-3.80E-03	-2.29E-03
1.03E+02	-5.43E-03	-3.81E-03	-2.13E-03
1.03E+02	-5.57E-03	-3.76E-03	-2.02E-03
1.03E+02	-5.61E-03	-3.62E-03	-1.95E-03
1.03E+02	-5.57E-03	-3.43E-03	-1.96E-03
1.03E+02	-5.50E-03	-3.23E-03	-2.00E-03
1.03E+02	-5.39E-03	-3.07E-03	-1.96E-03
1.03E+02	-5.26E-03	-2.96E-03	-1.82E-03
1.03E+02	-5.18E-03	-2.91E-03	-1.56E-03
1.03E+02	-5.18E-03	-2.99E-03	-1.31E-03
1.03E+02	-5.25E-03	-3.14E-03	-1.03E-03
1.03E+02	-5.32E-03	-3.24E-03	-6.92E-04
1.03E+02	-5.40E-03	-3.30E-03	-4.91E-04
1.03E+02	-5.51E-03	-3.30E-03	-5.11E-04

1.03E+02	-5.62E-03	-3.18E-03	-6.81E-04
1.03E+02	-5.63E-03	-2.95E-03	-8.96E-04
1.03E+02	-5.57E-03	-2.63E-03	-1.00E-03
1.03E+02	-5.48E-03	-2.31E-03	-1.03E-03
1.03E+02	-5.35E-03	-2.08E-03	-1.07E-03
1.03E+02	-5.17E-03	-1.94E-03	-1.07E-03
1.03E+02	-4.92E-03	-1.89E-03	-1.03E-03
1.03E+02	-4.65E-03	-1.97E-03	-1.05E-03
1.03E+02	-4.41E-03	-2.08E-03	-1.08E-03
1.03E+02	-4.13E-03	-2.19E-03	-1.08E-03
1.03E+02	-3.85E-03	-2.29E-03	-1.09E-03
1.03E+02	-3.64E-03	-2.39E-03	-1.11E-03
1.03E+02	-3.49E-03	-2.55E-03	-1.17E-03
1.03E+02	-3.36E-03	-2.71E-03	-1.24E-03
1.03E+02	-3.25E-03	-2.86E-03	-1.29E-03
1.03E+02	-3.18E-03	-3.05E-03	-1.31E-03
1.03E+02	-3.14E-03	-3.20E-03	-1.22E-03
1.03E+02	-3.08E-03	-3.31E-03	-1.02E-03
1.03E+02	-2.96E-03	-3.38E-03	-8.12E-04
1.03E+02	-2.86E-03	-3.43E-03	-6.09E-04
1.03E+02	-2.77E-03	-3.51E-03	-4.84E-04
1.03E+02	-2.67E-03	-3.57E-03	-4.03E-04
1.03E+02	-2.54E-03	-3.61E-03	-3.68E-04
1.03E+02	-2.39E-03	-3.67E-03	-4.63E-04
1.03E+02	-2.29E-03	-3.75E-03	-6.06E-04
1.03E+02	-2.28E-03	-3.85E-03	-7.44E-04
1.03E+02	-2.30E-03	-3.95E-03	-8.12E-04
1.03E+02	-2.43E-03	-4.07E-03	-8.20E-04
1.03E+02	-2.66E-03	-4.26E-03	-8.87E-04
1.03E+02	-2.91E-03	-4.49E-03	-9.21E-04
1.03E+02	-3.17E-03	-4.70E-03	-8.77E-04
1.03E+02	-3.40E-03	-4.94E-03	-8.27E-04
1.03E+02	-3.62E-03	-5.16E-03	-7.50E-04
1.03E+02	-3.77E-03	-5.34E-03	-6.29E-04
1.03E+02	-3.78E-03	-5.47E-03	-5.07E-04
1.03E+02	-3.77E-03	-5.62E-03	-4.68E-04
1.03E+02	-3.77E-03	-5.78E-03	-5.44E-04
1.03E+02	-3.70E-03	-5.91E-03	-6.69E-04
1.03E+02	-3.62E-03	-5.99E-03	-7.77E-04
1.03E+02	-3.51E-03	-6.05E-03	-8.68E-04
1.03E+02	-3.42E-03	-6.05E-03	-9.34E-04
1.03E+02	-3.36E-03	-5.98E-03	-9.11E-04
1.03E+02	-3.26E-03	-5.82E-03	-7.93E-04
1.03E+02	-3.17E-03	-5.59E-03	-6.31E-04
1.03E+02	-3.12E-03	-5.38E-03	-5.06E-04
1.03E+02	-3.10E-03	-5.21E-03	-4.24E-04
1.03E+02	-3.07E-03	-5.05E-03	-2.94E-04

1.03E+02	-3.07E-03	-4.93E-03	-1.44E-04
1.03E+02	-3.12E-03	-4.83E-03	-1.14E-05
1.03E+02	-3.23E-03	-4.72E-03	1.25E-04
1.03E+02	-3.31E-03	-4.61E-03	2.53E-04
1.03E+02	-3.37E-03	-4.49E-03	4.21E-04
1.03E+02	-3.46E-03	-4.37E-03	6.43E-04
1.03E+02	-3.54E-03	-4.24E-03	8.30E-04
1.03E+02	-3.60E-03	-4.10E-03	1.03E-03
1.03E+02	-3.65E-03	-3.93E-03	1.26E-03
1.03E+02	-3.72E-03	-3.78E-03	1.41E-03
1.03E+02	-3.85E-03	-3.67E-03	1.53E-03
1.03E+02	-4.01E-03	-3.56E-03	1.57E-03
1.03E+02	-4.18E-03	-3.48E-03	1.47E-03
1.03E+02	-4.44E-03	-3.46E-03	1.23E-03
1.03E+02	-4.74E-03	-3.49E-03	8.73E-04
1.03E+02	-4.99E-03	-3.51E-03	5.60E-04
1.03E+02	-5.21E-03	-3.52E-03	3.70E-04
1.03E+02	-5.41E-03	-3.50E-03	2.64E-04
1.03E+02	-5.62E-03	-3.44E-03	2.89E-04
1.03E+02	-5.78E-03	-3.34E-03	3.82E-04
1.03E+02	-5.89E-03	-3.19E-03	4.33E-04
1.03E+02	-6.04E-03	-3.03E-03	3.97E-04
1.03E+02	-6.19E-03	-2.85E-03	2.69E-04
1.03E+02	-6.31E-03	-2.62E-03	1.97E-04
1.03E+02	-6.39E-03	-2.38E-03	2.30E-04
1.03E+02	-6.46E-03	-2.20E-03	2.62E-04
1.03E+02	-6.57E-03	-2.09E-03	3.51E-04
1.03E+02	-6.64E-03	-2.02E-03	5.54E-04
1.03E+02	-6.67E-03	-1.98E-03	8.21E-04
1.03E+02	-6.70E-03	-1.97E-03	1.11E-03
1.03E+02	-6.68E-03	-1.96E-03	1.32E-03
1.03E+02	-6.58E-03	-1.95E-03	1.52E-03
1.03E+02	-6.40E-03	-1.89E-03	1.77E-03
1.03E+02	-6.18E-03	-1.82E-03	1.95E-03
1.03E+02	-5.98E-03	-1.76E-03	2.06E-03
1.03E+02	-5.76E-03	-1.67E-03	2.14E-03
1.03E+02	-5.50E-03	-1.56E-03	2.17E-03
1.03E+02	-5.26E-03	-1.46E-03	2.12E-03
1.03E+02	-5.07E-03	-1.37E-03	1.91E-03
1.03E+02	-4.90E-03	-1.23E-03	1.70E-03
1.03E+02	-4.76E-03	-1.04E-03	1.55E-03
1.03E+02	-4.65E-03	-8.62E-04	1.36E-03
1.03E+02	-4.61E-03	-7.09E-04	1.23E-03
1.03E+02	-4.62E-03	-5.47E-04	1.21E-03
1.03E+02	-4.62E-03	-4.05E-04	1.23E-03
1.03E+02	-4.63E-03	-2.87E-04	1.29E-03
1.03E+02	-4.67E-03	-2.43E-04	1.24E-03

1.03E+02	-4.68E-03	-2.36E-04	1.16E-03
1.03E+02	-4.61E-03	-1.69E-04	1.18E-03
1.03E+02	-4.50E-03	-1.09E-04	1.16E-03
1.03E+02	-4.41E-03	-6.43E-05	1.17E-03
1.03E+02	-4.33E-03	-2.31E-05	1.21E-03
1.03E+02	-4.23E-03	-2.10E-05	1.28E-03
1.03E+02	-4.14E-03	-5.19E-05	1.43E-03
1.03E+02	-4.11E-03	-1.50E-04	1.59E-03
1.03E+02	-4.08E-03	-2.78E-04	1.78E-03
1.03E+02	-4.04E-03	-3.45E-04	2.04E-03
1.03E+02	-4.00E-03	-3.74E-04	2.23E-03
1.03E+02	-3.98E-03	-3.73E-04	2.31E-03
1.03E+02	-4.01E-03	-3.25E-04	2.37E-03
1.03E+02	-4.01E-03	-2.49E-04	2.44E-03
1.03E+02	-4.01E-03	-1.55E-04	2.56E-03
1.03E+02	-4.05E-03	-1.19E-04	2.62E-03
1.03E+02	-4.11E-03	-1.43E-04	2.58E-03
1.03E+02	-4.13E-03	-1.14E-04	2.59E-03
1.03E+02	-4.11E-03	-3.51E-05	2.61E-03
1.03E+02	-4.05E-03	9.50E-05	2.61E-03
1.03E+02	-4.00E-03	2.90E-04	2.60E-03
1.03E+02	-3.89E-03	5.26E-04	2.52E-03
1.03E+02	-3.69E-03	7.99E-04	2.38E-03
1.03E+02	-3.50E-03	1.06E-03	2.24E-03
1.04E+02	-3.29E-03	1.31E-03	2.14E-03
1.04E+02	-3.04E-03	1.52E-03	2.18E-03
1.04E+02	-2.78E-03	1.68E-03	2.21E-03
1.04E+02	-2.56E-03	1.76E-03	2.16E-03
1.04E+02	-2.40E-03	1.73E-03	2.06E-03
1.04E+02	-2.25E-03	1.74E-03	1.95E-03
1.04E+02	-2.15E-03	1.77E-03	1.89E-03
1.04E+02	-2.15E-03	1.76E-03	1.80E-03
1.04E+02	-2.17E-03	1.73E-03	1.67E-03
1.04E+02	-2.22E-03	1.71E-03	1.67E-03
1.04E+02	-2.30E-03	1.67E-03	1.71E-03
1.04E+02	-2.40E-03	1.62E-03	1.69E-03
1.04E+02	-2.56E-03	1.52E-03	1.66E-03
1.04E+02	-2.71E-03	1.42E-03	1.73E-03
1.04E+02	-2.82E-03	1.31E-03	1.85E-03
1.04E+02	-2.97E-03	1.06E-03	1.90E-03
1.04E+02	-3.10E-03	7.97E-04	1.89E-03
1.04E+02	-3.20E-03	5.62E-04	1.88E-03
1.04E+02	-3.29E-03	2.89E-04	1.95E-03
1.04E+02	-3.31E-03	4.58E-06	2.05E-03
1.04E+02	-3.33E-03	-2.66E-04	2.15E-03
1.04E+02	-3.31E-03	-4.81E-04	2.29E-03
1.04E+02	-3.21E-03	-5.91E-04	2.47E-03

1.04E+02	-3.07E-03	-6.39E-04	2.66E-03
1.04E+02	-2.87E-03	-6.83E-04	2.78E-03
1.04E+02	-2.63E-03	-6.97E-04	2.95E-03
1.04E+02	-2.37E-03	-6.87E-04	3.13E-03
1.04E+02	-2.10E-03	-7.10E-04	3.15E-03
1.04E+02	-1.89E-03	-7.63E-04	3.07E-03
1.04E+02	-1.73E-03	-7.88E-04	2.93E-03
1.04E+02	-1.58E-03	-8.05E-04	2.78E-03
1.04E+02	-1.48E-03	-8.02E-04	2.65E-03
1.04E+02	-1.45E-03	-7.63E-04	2.45E-03
1.04E+02	-1.44E-03	-7.21E-04	2.26E-03
1.04E+02	-1.45E-03	-6.64E-04	2.11E-03
1.04E+02	-1.44E-03	-6.42E-04	1.95E-03
1.04E+02	-1.43E-03	-6.72E-04	1.84E-03
1.04E+02	-1.39E-03	-7.50E-04	1.77E-03
1.04E+02	-1.29E-03	-9.03E-04	1.70E-03
1.04E+02	-1.19E-03	-1.11E-03	1.67E-03
1.04E+02	-1.10E-03	-1.37E-03	1.57E-03
1.04E+02	-9.77E-04	-1.68E-03	1.49E-03
1.04E+02	-8.58E-04	-1.97E-03	1.55E-03
1.04E+02	-7.78E-04	-2.25E-03	1.60E-03
1.04E+02	-7.66E-04	-2.49E-03	1.63E-03
1.04E+02	-8.10E-04	-2.62E-03	1.69E-03
1.04E+02	-8.47E-04	-2.64E-03	1.73E-03
1.04E+02	-9.14E-04	-2.58E-03	1.79E-03
1.04E+02	-1.04E-03	-2.49E-03	1.81E-03
1.04E+02	-1.15E-03	-2.37E-03	1.83E-03
1.04E+02	-1.24E-03	-2.23E-03	1.93E-03
1.04E+02	-1.26E-03	-2.10E-03	1.95E-03
1.04E+02	-1.22E-03	-1.99E-03	1.94E-03
1.04E+02	-1.11E-03	-1.89E-03	1.98E-03
1.04E+02	-8.58E-04	-1.74E-03	1.99E-03
1.04E+02	-5.16E-04	-1.55E-03	2.00E-03
1.04E+02	-1.41E-04	-1.35E-03	1.98E-03
1.04E+02	2.98E-04	-1.15E-03	1.91E-03
1.04E+02	7.64E-04	-9.57E-04	1.87E-03
1.04E+02	1.22E-03	-7.81E-04	1.81E-03
1.04E+02	1.61E-03	-5.95E-04	1.72E-03
1.04E+02	1.92E-03	-3.89E-04	1.66E-03
1.04E+02	2.19E-03	-1.37E-04	1.66E-03
1.04E+02	2.37E-03	1.78E-04	1.74E-03
1.04E+02	2.44E-03	5.06E-04	1.82E-03
1.04E+02	2.42E-03	8.48E-04	1.86E-03
1.04E+02	2.36E-03	1.21E-03	1.93E-03
1.04E+02	2.27E-03	1.54E-03	1.94E-03
1.04E+02	2.14E-03	1.81E-03	1.88E-03
1.04E+02	1.96E-03	2.02E-03	1.83E-03

1.04E+02	1.78E-03	2.18E-03	1.80E-03
1.04E+02	1.63E-03	2.28E-03	1.82E-03
1.04E+02	1.45E-03	2.30E-03	1.86E-03
1.04E+02	1.31E-03	2.22E-03	1.90E-03
1.04E+02	1.23E-03	2.10E-03	2.00E-03
1.04E+02	1.19E-03	1.94E-03	2.03E-03
1.04E+02	1.19E-03	1.71E-03	1.93E-03
1.04E+02	1.20E-03	1.47E-03	1.73E-03
1.04E+02	1.32E-03	1.26E-03	1.46E-03
1.04E+02	1.56E-03	1.11E-03	1.21E-03
1.04E+02	1.83E-03	9.87E-04	1.02E-03
1.04E+02	2.16E-03	8.70E-04	8.42E-04
1.04E+02	2.56E-03	7.82E-04	7.54E-04
1.04E+02	3.02E-03	6.90E-04	7.15E-04
1.04E+02	3.52E-03	5.41E-04	6.73E-04
1.04E+02	3.98E-03	3.60E-04	6.75E-04
1.04E+02	4.38E-03	1.72E-04	6.50E-04
1.04E+02	4.72E-03	9.54E-07	5.26E-04
1.04E+02	4.95E-03	-1.34E-04	3.22E-04
1.04E+02	5.09E-03	-2.60E-04	2.00E-05
1.04E+02	5.16E-03	-3.38E-04	-2.06E-04
1.04E+02	5.16E-03	-3.39E-04	-2.50E-04
1.04E+02	5.13E-03	-3.11E-04	-2.51E-04
1.04E+02	5.03E-03	-2.39E-04	-1.73E-04
1.04E+02	4.90E-03	-1.19E-04	-1.34E-06
1.04E+02	4.86E-03	2.27E-05	1.73E-04
1.04E+02	4.81E-03	1.67E-04	3.24E-04
1.04E+02	4.77E-03	2.88E-04	3.68E-04
1.04E+02	4.77E-03	4.05E-04	3.60E-04
1.04E+02	4.82E-03	5.45E-04	3.80E-04
1.04E+02	4.92E-03	6.54E-04	3.45E-04
1.04E+02	5.02E-03	7.02E-04	2.93E-04
1.04E+02	5.13E-03	7.09E-04	2.51E-04
1.04E+02	5.27E-03	6.66E-04	1.92E-04
1.04E+02	5.38E-03	5.83E-04	1.23E-04
1.04E+02	5.48E-03	4.21E-04	-4.22E-05
1.04E+02	5.56E-03	2.33E-04	-2.58E-04
1.04E+02	5.66E-03	9.82E-05	-4.46E-04
1.04E+02	5.79E-03	-3.09E-05	-6.54E-04
1.04E+02	5.89E-03	-1.26E-04	-8.25E-04
1.04E+02	6.01E-03	-1.63E-04	-9.28E-04
1.04E+02	6.19E-03	-1.60E-04	-1.00E-03
1.04E+02	6.38E-03	-1.37E-04	-1.03E-03
1.04E+02	6.49E-03	-1.40E-04	-1.09E-03
1.04E+02	6.55E-03	-1.64E-04	-1.22E-03
1.04E+02	6.59E-03	-1.93E-04	-1.33E-03
1.04E+02	6.59E-03	-2.60E-04	-1.44E-03

1.04E+02	6.52E-03	-3.79E-04	-1.51E-03
1.04E+02	6.36E-03	-5.21E-04	-1.49E-03
1.04E+02	6.19E-03	-6.61E-04	-1.40E-03
1.04E+02	5.97E-03	-7.88E-04	-1.23E-03
1.04E+02	5.68E-03	-9.34E-04	-1.08E-03
1.04E+02	5.40E-03	-1.10E-03	-9.75E-04
1.04E+02	5.17E-03	-1.22E-03	-8.58E-04
1.04E+02	4.99E-03	-1.32E-03	-8.50E-04
1.04E+02	4.85E-03	-1.42E-03	-1.00E-03
1.04E+02	4.74E-03	-1.51E-03	-1.22E-03
1.04E+02	4.73E-03	-1.58E-03	-1.42E-03
1.04E+02	4.79E-03	-1.63E-03	-1.54E-03
1.04E+02	4.83E-03	-1.72E-03	-1.65E-03
1.04E+02	4.91E-03	-1.84E-03	-1.75E-03
1.04E+02	5.04E-03	-1.93E-03	-1.74E-03
1.04E+02	5.23E-03	-2.01E-03	-1.71E-03
1.04E+02	5.42E-03	-2.08E-03	-1.75E-03
1.04E+02	5.57E-03	-2.08E-03	-1.82E-03
1.04E+02	5.76E-03	-1.98E-03	-1.92E-03
1.04E+02	5.96E-03	-1.77E-03	-2.04E-03
1.04E+02	6.07E-03	-1.49E-03	-2.13E-03
1.04E+02	6.13E-03	-1.18E-03	-2.22E-03
1.04E+02	6.15E-03	-8.11E-04	-2.25E-03
1.04E+02	6.10E-03	-3.95E-04	-2.22E-03
1.04E+02	6.00E-03	4.98E-05	-2.18E-03
1.04E+02	5.86E-03	5.30E-04	-2.07E-03
1.04E+02	5.76E-03	1.04E-03	-1.91E-03
1.04E+02	5.76E-03	1.61E-03	-1.72E-03
1.04E+02	5.77E-03	2.19E-03	-1.55E-03
1.04E+02	5.79E-03	2.71E-03	-1.50E-03
1.04E+02	5.86E-03	3.20E-03	-1.48E-03
1.04E+02	5.97E-03	3.65E-03	-1.46E-03
1.04E+02	6.11E-03	3.95E-03	-1.57E-03
1.04E+02	6.23E-03	4.14E-03	-1.74E-03
1.04E+02	6.34E-03	4.23E-03	-1.94E-03
1.04E+02	6.47E-03	4.26E-03	-2.13E-03
1.04E+02	6.56E-03	4.30E-03	-2.29E-03
1.04E+02	6.59E-03	4.31E-03	-2.49E-03
1.04E+02	6.61E-03	4.36E-03	-2.67E-03
1.04E+02	6.62E-03	4.47E-03	-2.85E-03
1.04E+02	6.59E-03	4.58E-03	-3.12E-03
1.04E+02	6.51E-03	4.73E-03	-3.39E-03
1.04E+02	6.44E-03	4.91E-03	-3.59E-03
1.04E+02	6.45E-03	5.09E-03	-3.68E-03
1.04E+02	6.44E-03	5.21E-03	-3.63E-03
1.04E+02	6.40E-03	5.24E-03	-3.57E-03
1.04E+02	6.37E-03	5.20E-03	-3.45E-03

1.04E+02	6.35E-03	5.13E-03	-3.25E-03
1.04E+02	6.32E-03	5.01E-03	-3.05E-03
1.04E+02	6.26E-03	4.86E-03	-2.81E-03
1.04E+02	6.20E-03	4.71E-03	-2.52E-03
1.04E+02	6.21E-03	4.61E-03	-2.24E-03
1.04E+02	6.21E-03	4.53E-03	-1.92E-03
1.04E+02	6.18E-03	4.40E-03	-1.67E-03
1.04E+02	6.19E-03	4.22E-03	-1.49E-03
1.04E+02	6.26E-03	4.00E-03	-1.37E-03
1.04E+02	6.36E-03	3.70E-03	-1.38E-03
1.04E+02	6.49E-03	3.36E-03	-1.49E-03
1.04E+02	6.66E-03	3.01E-03	-1.65E-03
1.04E+02	6.94E-03	2.69E-03	-1.83E-03
1.04E+02	7.30E-03	2.47E-03	-1.96E-03
1.04E+02	7.66E-03	2.27E-03	-2.10E-03
1.04E+02	8.03E-03	2.11E-03	-2.20E-03
1.04E+02	8.40E-03	2.05E-03	-2.18E-03
1.04E+02	8.76E-03	2.01E-03	-2.22E-03
1.04E+02	9.04E-03	1.99E-03	-2.30E-03
1.04E+02	9.23E-03	1.99E-03	-2.37E-03
1.04E+02	9.39E-03	2.01E-03	-2.42E-03
1.04E+02	9.46E-03	2.05E-03	-2.41E-03
1.04E+02	9.43E-03	2.04E-03	-2.39E-03
1.04E+02	9.32E-03	1.99E-03	-2.31E-03
1.04E+02	9.17E-03	1.96E-03	-2.07E-03
1.04E+02	9.00E-03	1.93E-03	-1.77E-03
1.04E+02	8.77E-03	1.92E-03	-1.52E-03
1.04E+02	8.48E-03	1.95E-03	-1.33E-03
1.04E+02	8.19E-03	2.04E-03	-1.23E-03
1.04E+02	7.92E-03	2.19E-03	-1.16E-03
1.04E+02	7.62E-03	2.33E-03	-1.14E-03
1.04E+02	7.30E-03	2.44E-03	-1.21E-03
1.04E+02	7.01E-03	2.54E-03	-1.20E-03
1.04E+02	6.73E-03	2.61E-03	-1.15E-03
1.04E+02	6.48E-03	2.58E-03	-1.08E-03
1.04E+02	6.21E-03	2.50E-03	-9.47E-04
1.05E+02	5.98E-03	2.35E-03	-8.24E-04
1.05E+02	5.81E-03	2.18E-03	-6.79E-04
1.05E+02	5.61E-03	1.98E-03	-5.72E-04
1.05E+02	5.41E-03	1.74E-03	-5.96E-04
1.05E+02	5.26E-03	1.56E-03	-5.96E-04
1.05E+02	5.15E-03	1.46E-03	-5.46E-04
1.05E+02	5.06E-03	1.42E-03	-5.15E-04
1.05E+02	4.94E-03	1.45E-03	-5.04E-04
1.05E+02	4.85E-03	1.54E-03	-5.52E-04
1.05E+02	4.83E-03	1.70E-03	-6.12E-04
1.05E+02	4.78E-03	1.89E-03	-6.72E-04

1.05E+02	4.71E-03	2.05E-03	-7.60E-04
1.05E+02	4.63E-03	2.20E-03	-7.79E-04
1.05E+02	4.54E-03	2.36E-03	-7.65E-04
1.05E+02	4.42E-03	2.50E-03	-7.96E-04
1.05E+02	4.26E-03	2.61E-03	-7.85E-04
1.05E+02	4.14E-03	2.75E-03	-7.02E-04
1.05E+02	4.11E-03	2.91E-03	-5.38E-04
1.05E+02	4.11E-03	3.09E-03	-3.28E-04
1.05E+02	4.12E-03	3.26E-03	-2.24E-04
1.05E+02	4.18E-03	3.43E-03	-2.09E-04
1.05E+02	4.28E-03	3.63E-03	-2.28E-04
1.05E+02	4.38E-03	3.80E-03	-3.40E-04
1.05E+02	4.43E-03	3.95E-03	-5.01E-04
1.05E+02	4.43E-03	4.06E-03	-7.01E-04
1.05E+02	4.43E-03	4.13E-03	-9.12E-04
1.05E+02	4.39E-03	4.17E-03	-1.05E-03
1.05E+02	4.29E-03	4.11E-03	-1.17E-03
1.05E+02	4.16E-03	4.00E-03	-1.25E-03
1.05E+02	3.99E-03	3.88E-03	-1.23E-03
1.05E+02	3.78E-03	3.74E-03	-1.27E-03
1.05E+02	3.51E-03	3.59E-03	-1.39E-03
1.05E+02	3.23E-03	3.46E-03	-1.59E-03
1.05E+02	3.01E-03	3.40E-03	-1.85E-03
1.05E+02	2.80E-03	3.40E-03	-2.09E-03
1.05E+02	2.60E-03	3.36E-03	-2.33E-03
1.05E+02	2.47E-03	3.29E-03	-2.51E-03
1.05E+02	2.41E-03	3.22E-03	-2.52E-03
1.05E+02	2.38E-03	3.16E-03	-2.40E-03
1.05E+02	2.36E-03	3.12E-03	-2.13E-03
1.05E+02	2.33E-03	3.12E-03	-1.74E-03
1.05E+02	2.34E-03	3.18E-03	-1.38E-03
1.05E+02	2.34E-03	3.28E-03	-1.09E-03
1.05E+02	2.30E-03	3.43E-03	-8.84E-04
1.05E+02	2.27E-03	3.59E-03	-7.22E-04
1.05E+02	2.26E-03	3.80E-03	-5.30E-04
1.05E+02	2.28E-03	3.99E-03	-4.03E-04
1.05E+02	2.28E-03	4.13E-03	-3.05E-04
1.05E+02	2.28E-03	4.26E-03	-1.26E-04
1.05E+02	2.33E-03	4.36E-03	4.02E-05
1.05E+02	2.37E-03	4.41E-03	1.65E-04
1.05E+02	2.38E-03	4.44E-03	2.24E-04
1.05E+02	2.39E-03	4.46E-03	1.87E-04
1.05E+02	2.40E-03	4.49E-03	2.06E-04
1.05E+02	2.39E-03	4.53E-03	2.60E-04
1.05E+02	2.35E-03	4.55E-03	2.62E-04
1.05E+02	2.25E-03	4.55E-03	2.56E-04
1.05E+02	2.17E-03	4.55E-03	2.31E-04

1.05E+02	2.13E-03	4.51E-03	2.55E-04
1.05E+02	2.07E-03	4.45E-03	3.05E-04
1.05E+02	2.03E-03	4.35E-03	3.16E-04
1.05E+02	2.06E-03	4.25E-03	3.64E-04
1.05E+02	2.13E-03	4.22E-03	3.82E-04
1.05E+02	2.22E-03	4.11E-03	3.93E-04
1.05E+02	2.31E-03	4.00E-03	4.67E-04
1.05E+02	2.49E-03	3.94E-03	5.30E-04
1.05E+02	2.76E-03	3.84E-03	6.68E-04
1.05E+02	3.02E-03	3.77E-03	7.65E-04
1.05E+02	3.36E-03	3.62E-03	7.03E-04
1.05E+02	3.78E-03	3.49E-03	7.29E-04
1.05E+02	4.24E-03	3.42E-03	7.66E-04
1.05E+02	4.66E-03	3.27E-03	7.06E-04
1.05E+02	5.03E-03	3.12E-03	6.59E-04
1.05E+02	5.35E-03	2.98E-03	6.17E-04
1.05E+02	5.64E-03	2.83E-03	6.16E-04
1.05E+02	5.83E-03	2.65E-03	6.29E-04
1.05E+02	5.91E-03	2.42E-03	6.62E-04
1.05E+02	5.98E-03	2.25E-03	7.97E-04
1.05E+02	5.99E-03	2.10E-03	9.79E-04
1.05E+02	5.93E-03	1.99E-03	1.05E-03
1.05E+02	5.81E-03	1.93E-03	9.70E-04
1.05E+02	5.69E-03	1.90E-03	8.40E-04
1.05E+02	5.61E-03	1.93E-03	6.77E-04
1.05E+02	5.46E-03	1.96E-03	5.41E-04
1.05E+02	5.27E-03	1.93E-03	4.09E-04
1.05E+02	5.10E-03	1.88E-03	2.91E-04
1.05E+02	4.94E-03	1.84E-03	3.23E-04
1.05E+02	4.75E-03	1.83E-03	3.90E-04
1.05E+02	4.50E-03	1.84E-03	4.43E-04
1.05E+02	4.27E-03	1.91E-03	5.43E-04
1.05E+02	4.07E-03	2.07E-03	6.57E-04
1.05E+02	3.80E-03	2.28E-03	7.15E-04
1.05E+02	3.52E-03	2.47E-03	5.80E-04
1.05E+02	3.30E-03	2.65E-03	3.82E-04
1.05E+02	3.10E-03	2.85E-03	2.82E-04
1.05E+02	2.95E-03	3.00E-03	1.87E-04
1.05E+02	2.82E-03	3.06E-03	1.66E-04
1.05E+02	2.66E-03	3.08E-03	2.47E-04
1.05E+02	2.52E-03	3.12E-03	3.32E-04
1.05E+02	2.32E-03	3.14E-03	4.19E-04
1.05E+02	2.09E-03	3.10E-03	4.57E-04
1.05E+02	1.87E-03	3.06E-03	5.28E-04
1.05E+02	1.63E-03	3.06E-03	6.92E-04
1.05E+02	1.43E-03	3.03E-03	7.85E-04
1.05E+02	1.24E-03	3.01E-03	8.38E-04

1.05E+02	1.05E-03	3.01E-03	9.20E-04
1.05E+02	9.43E-04	3.02E-03	9.59E-04
1.05E+02	9.18E-04	3.02E-03	9.68E-04
1.05E+02	9.01E-04	2.96E-03	9.13E-04
1.05E+02	8.93E-04	2.87E-03	8.39E-04
1.05E+02	9.14E-04	2.88E-03	8.67E-04
1.05E+02	9.14E-04	2.90E-03	8.49E-04
1.05E+02	8.56E-04	2.90E-03	7.53E-04
1.05E+02	7.36E-04	2.94E-03	7.62E-04
1.05E+02	5.96E-04	3.00E-03	8.54E-04
1.05E+02	4.81E-04	3.05E-03	9.61E-04
1.05E+02	3.24E-04	3.06E-03	9.97E-04
1.05E+02	1.73E-04	3.04E-03	9.35E-04
1.05E+02	9.99E-05	3.07E-03	8.89E-04
1.05E+02	4.96E-05	3.09E-03	8.04E-04
1.05E+02	2.40E-05	3.11E-03	6.56E-04
1.05E+02	-1.83E-05	3.18E-03	5.20E-04
1.05E+02	-4.67E-05	3.28E-03	2.86E-04
1.05E+02	-1.85E-05	3.36E-03	-1.53E-06
1.05E+02	-2.37E-05	3.42E-03	-2.24E-04
1.05E+02	6.10E-06	3.41E-03	-4.09E-04
1.05E+02	1.08E-04	3.36E-03	-4.58E-04
1.05E+02	2.44E-04	3.25E-03	-3.96E-04
1.05E+02	3.88E-04	3.06E-03	-3.63E-04
1.05E+02	4.78E-04	2.82E-03	-3.16E-04
1.05E+02	5.95E-04	2.61E-03	-2.16E-04
1.05E+02	7.38E-04	2.47E-03	-2.14E-05
1.05E+02	8.09E-04	2.41E-03	2.20E-04
1.05E+02	8.31E-04	2.38E-03	3.99E-04
1.05E+02	8.09E-04	2.41E-03	5.82E-04
1.05E+02	7.28E-04	2.50E-03	7.80E-04
1.05E+02	5.75E-04	2.59E-03	9.66E-04
1.05E+02	3.52E-04	2.68E-03	1.18E-03
1.05E+02	1.24E-04	2.76E-03	1.36E-03
1.05E+02	-7.92E-05	2.82E-03	1.48E-03
1.05E+02	-2.85E-04	2.85E-03	1.53E-03
1.05E+02	-4.53E-04	2.79E-03	1.47E-03
1.05E+02	-5.41E-04	2.71E-03	1.46E-03
1.05E+02	-5.81E-04	2.59E-03	1.43E-03
1.05E+02	-5.83E-04	2.37E-03	1.24E-03
1.05E+02	-5.92E-04	2.09E-03	9.97E-04
1.05E+02	-5.83E-04	1.79E-03	7.39E-04
1.05E+02	-4.77E-04	1.53E-03	5.21E-04
1.05E+02	-3.87E-04	1.27E-03	3.37E-04
1.05E+02	-3.10E-04	1.00E-03	1.03E-04
1.05E+02	-1.87E-04	7.61E-04	-8.45E-05
1.05E+02	-7.74E-05	5.18E-04	-2.40E-04

1.05E+02	3.91E-05	2.52E-04	-4.67E-04
1.05E+02	1.29E-04	3.24E-06	-6.57E-04
1.05E+02	2.03E-04	-2.53E-04	-7.98E-04
1.05E+02	2.96E-04	-5.13E-04	-9.10E-04
1.05E+02	2.95E-04	-7.49E-04	-9.52E-04
1.05E+02	1.89E-04	-1.00E-03	-1.02E-03
1.05E+02	4.16E-05	-1.22E-03	-1.02E-03
1.05E+02	-1.84E-04	-1.38E-03	-9.30E-04
1.05E+02	-4.76E-04	-1.57E-03	-9.19E-04
1.05E+02	-8.41E-04	-1.72E-03	-9.41E-04
1.05E+02	-1.24E-03	-1.83E-03	-1.03E-03
1.05E+02	-1.56E-03	-1.90E-03	-1.20E-03
1.05E+02	-1.83E-03	-1.90E-03	-1.32E-03
1.05E+02	-2.07E-03	-1.90E-03	-1.40E-03
1.05E+02	-2.18E-03	-1.91E-03	-1.36E-03
1.05E+02	-2.25E-03	-1.94E-03	-1.20E-03
1.05E+02	-2.24E-03	-2.03E-03	-1.09E-03
1.05E+02	-2.22E-03	-2.14E-03	-1.01E-03
1.05E+02	-2.21E-03	-2.23E-03	-9.69E-04
1.05E+02	-2.14E-03	-2.29E-03	-9.76E-04
1.05E+02	-2.04E-03	-2.29E-03	-9.13E-04
1.05E+02	-2.00E-03	-2.28E-03	-9.12E-04
1.05E+02	-1.98E-03	-2.24E-03	-1.02E-03
1.05E+02	-1.99E-03	-2.16E-03	-1.02E-03
1.05E+02	-2.07E-03	-2.09E-03	-1.03E-03
1.05E+02	-2.20E-03	-2.04E-03	-1.13E-03
1.05E+02	-2.40E-03	-1.99E-03	-1.18E-03
1.05E+02	-2.63E-03	-1.87E-03	-1.22E-03
1.05E+02	-2.87E-03	-1.73E-03	-1.25E-03
1.05E+02	-3.16E-03	-1.57E-03	-1.21E-03
1.05E+02	-3.45E-03	-1.39E-03	-1.12E-03
1.05E+02	-3.72E-03	-1.22E-03	-8.83E-04
1.05E+02	-3.93E-03	-1.07E-03	-6.24E-04
1.05E+02	-4.12E-03	-1.01E-03	-4.50E-04
1.05E+02	-4.28E-03	-9.96E-04	-2.67E-04
1.05E+02	-4.31E-03	-9.97E-04	-9.54E-05
1.05E+02	-4.24E-03	-1.02E-03	4.06E-05
1.05E+02	-4.13E-03	-1.08E-03	5.49E-05
1.05E+02	-3.98E-03	-1.20E-03	-8.74E-05
1.05E+02	-3.77E-03	-1.26E-03	-2.72E-04
1.05E+02	-3.51E-03	-1.31E-03	-6.00E-04
1.05E+02	-3.22E-03	-1.37E-03	-1.03E-03
1.05E+02	-2.90E-03	-1.36E-03	-1.41E-03
1.05E+02	-2.55E-03	-1.33E-03	-1.75E-03
1.05E+02	-2.15E-03	-1.24E-03	-1.99E-03
1.05E+02	-1.79E-03	-1.13E-03	-2.18E-03
1.05E+02	-1.46E-03	-1.04E-03	-2.28E-03

1.05E+02	-1.16E-03	-9.00E-04	-2.25E-03
1.06E+02	-9.32E-04	-7.84E-04	-2.22E-03
1.06E+02	-8.05E-04	-7.31E-04	-2.20E-03
1.06E+02	-8.02E-04	-6.46E-04	-2.13E-03
1.06E+02	-8.78E-04	-5.34E-04	-2.06E-03
1.06E+02	-9.63E-04	-3.90E-04	-1.98E-03
1.06E+02	-1.12E-03	-2.21E-04	-1.79E-03
1.06E+02	-1.32E-03	-1.10E-04	-1.51E-03
1.06E+02	-1.51E-03	-5.34E-05	-1.16E-03
1.06E+02	-1.71E-03	-6.71E-05	-8.17E-04
1.06E+02	-1.93E-03	-1.95E-04	-6.36E-04
1.06E+02	-2.14E-03	-3.51E-04	-5.13E-04
1.06E+02	-2.31E-03	-5.09E-04	-3.77E-04
1.06E+02	-2.42E-03	-6.70E-04	-2.21E-04
1.06E+02	-2.52E-03	-8.16E-04	-4.67E-05
1.06E+02	-2.60E-03	-1.01E-03	4.88E-05
1.06E+02	-2.61E-03	-1.22E-03	1.09E-04
1.06E+02	-2.54E-03	-1.44E-03	1.45E-04
1.06E+02	-2.38E-03	-1.70E-03	6.87E-05
1.06E+02	-2.19E-03	-1.98E-03	-4.62E-05
1.06E+02	-1.92E-03	-2.23E-03	-1.73E-04
1.06E+02	-1.53E-03	-2.44E-03	-3.01E-04
1.06E+02	-1.11E-03	-2.59E-03	-3.53E-04
1.06E+02	-7.07E-04	-2.71E-03	-4.22E-04
1.06E+02	-3.03E-04	-2.81E-03	-5.07E-04
1.06E+02	9.71E-05	-2.88E-03	-5.51E-04
1.06E+02	4.71E-04	-2.95E-03	-6.36E-04
1.06E+02	7.87E-04	-3.04E-03	-7.06E-04
1.06E+02	1.04E-03	-3.10E-03	-7.22E-04
1.06E+02	1.28E-03	-3.14E-03	-7.27E-04
1.06E+02	1.49E-03	-3.16E-03	-6.85E-04
1.06E+02	1.62E-03	-3.22E-03	-6.11E-04
1.06E+02	1.72E-03	-3.32E-03	-4.61E-04
1.06E+02	1.80E-03	-3.41E-03	-2.03E-04
1.06E+02	1.83E-03	-3.51E-03	-1.49E-05
1.06E+02	1.79E-03	-3.59E-03	8.47E-05
1.06E+02	1.73E-03	-3.62E-03	1.97E-04
1.06E+02	1.66E-03	-3.59E-03	2.63E-04
1.06E+02	1.60E-03	-3.48E-03	2.68E-04
1.06E+02	1.44E-03	-3.34E-03	1.55E-04
1.06E+02	1.23E-03	-3.19E-03	-6.75E-05
1.06E+02	1.02E-03	-2.99E-03	-2.22E-04
1.06E+02	7.97E-04	-2.78E-03	-3.39E-04
1.06E+02	5.49E-04	-2.62E-03	-4.44E-04
1.06E+02	2.89E-04	-2.45E-03	-4.67E-04
1.06E+02	7.06E-05	-2.27E-03	-4.45E-04
1.06E+02	-9.56E-05	-2.08E-03	-4.05E-04

1.06E+02	-2.40E-04	-1.90E-03	-4.11E-04
1.06E+02	-3.10E-04	-1.74E-03	-4.63E-04
1.06E+02	-2.77E-04	-1.56E-03	-4.33E-04
1.06E+02	-1.81E-04	-1.42E-03	-3.96E-04
1.06E+02	-9.38E-05	-1.37E-03	-4.13E-04
1.06E+02	-6.77E-05	-1.36E-03	-4.37E-04
1.06E+02	-4.98E-05	-1.36E-03	-4.92E-04
1.06E+02	-6.29E-05	-1.39E-03	-5.22E-04
1.06E+02	-1.81E-04	-1.43E-03	-4.96E-04
1.06E+02	-3.78E-04	-1.49E-03	-4.50E-04
1.06E+02	-6.02E-04	-1.52E-03	-3.32E-04
1.06E+02	-8.44E-04	-1.53E-03	-1.70E-04
1.06E+02	-1.12E-03	-1.61E-03	3.85E-05
1.06E+02	-1.45E-03	-1.71E-03	3.73E-04
1.06E+02	-1.76E-03	-1.80E-03	7.51E-04
1.06E+02	-2.04E-03	-1.90E-03	1.06E-03
1.06E+02	-2.31E-03	-2.04E-03	1.22E-03
1.06E+02	-2.58E-03	-2.20E-03	1.19E-03
1.06E+02	-2.79E-03	-2.34E-03	1.07E-03
1.06E+02	-2.97E-03	-2.48E-03	8.57E-04
1.06E+02	-3.15E-03	-2.63E-03	5.74E-04
1.06E+02	-3.35E-03	-2.73E-03	3.36E-04
1.06E+02	-3.53E-03	-2.79E-03	1.34E-04
1.06E+02	-3.64E-03	-2.82E-03	-5.80E-05
1.06E+02	-3.74E-03	-2.82E-03	-2.49E-04
1.06E+02	-3.84E-03	-2.81E-03	-5.05E-04
1.06E+02	-3.89E-03	-2.74E-03	-7.48E-04
1.06E+02	-3.91E-03	-2.64E-03	-9.44E-04
1.06E+02	-3.91E-03	-2.57E-03	-1.16E-03
1.06E+02	-3.94E-03	-2.52E-03	-1.29E-03
1.06E+02	-3.97E-03	-2.50E-03	-1.24E-03
1.06E+02	-3.97E-03	-2.52E-03	-1.10E-03
1.06E+02	-4.04E-03	-2.58E-03	-9.17E-04
1.06E+02	-4.16E-03	-2.71E-03	-8.04E-04
1.06E+02	-4.25E-03	-2.82E-03	-7.01E-04
1.06E+02	-4.34E-03	-2.89E-03	-5.27E-04
1.06E+02	-4.42E-03	-2.92E-03	-3.77E-04
1.06E+02	-4.53E-03	-2.94E-03	-2.37E-04
1.06E+02	-4.63E-03	-2.92E-03	-5.53E-05
1.06E+02	-4.63E-03	-2.85E-03	1.34E-04
1.06E+02	-4.64E-03	-2.82E-03	3.26E-04
1.06E+02	-4.67E-03	-2.81E-03	4.40E-04
1.06E+02	-4.62E-03	-2.80E-03	5.47E-04
1.06E+02	-4.55E-03	-2.77E-03	7.63E-04
1.06E+02	-4.50E-03	-2.73E-03	9.33E-04
1.06E+02	-4.47E-03	-2.74E-03	1.10E-03
1.06E+02	-4.48E-03	-2.70E-03	1.35E-03

1.06E+02	-4.49E-03	-2.65E-03	1.55E-03
1.06E+02	-4.55E-03	-2.66E-03	1.67E-03
1.06E+02	-4.70E-03	-2.66E-03	1.61E-03
1.06E+02	-4.84E-03	-2.69E-03	1.42E-03
1.06E+02	-4.94E-03	-2.70E-03	1.29E-03
1.06E+02	-5.02E-03	-2.68E-03	1.18E-03
1.06E+02	-5.14E-03	-2.72E-03	1.07E-03
1.06E+02	-5.26E-03	-2.79E-03	9.42E-04
1.06E+02	-5.36E-03	-2.88E-03	7.79E-04
1.06E+02	-5.46E-03	-2.98E-03	6.48E-04
1.06E+02	-5.60E-03	-3.14E-03	4.92E-04
1.06E+02	-5.72E-03	-3.34E-03	3.11E-04
1.06E+02	-5.79E-03	-3.45E-03	2.34E-04
1.06E+02	-5.83E-03	-3.53E-03	1.46E-04
1.06E+02	-5.86E-03	-3.61E-03	-7.44E-06
1.06E+02	-5.87E-03	-3.63E-03	-1.08E-04
1.06E+02	-5.85E-03	-3.63E-03	-1.76E-04
1.06E+02	-5.77E-03	-3.60E-03	-2.27E-04
1.06E+02	-5.72E-03	-3.58E-03	-2.99E-04
1.06E+02	-5.66E-03	-3.55E-03	-4.13E-04
1.06E+02	-5.56E-03	-3.47E-03	-4.24E-04
1.06E+02	-5.46E-03	-3.34E-03	-3.48E-04
1.06E+02	-5.37E-03	-3.22E-03	-2.36E-04
1.06E+02	-5.35E-03	-3.10E-03	-6.68E-06
1.06E+02	-5.33E-03	-2.95E-03	2.65E-04
1.06E+02	-5.30E-03	-2.80E-03	5.25E-04
1.06E+02	-5.32E-03	-2.66E-03	7.85E-04
1.06E+02	-5.34E-03	-2.51E-03	1.04E-03
1.06E+02	-5.35E-03	-2.32E-03	1.29E-03
1.06E+02	-5.33E-03	-2.14E-03	1.43E-03
1.06E+02	-5.32E-03	-2.00E-03	1.39E-03
1.06E+02	-5.34E-03	-1.85E-03	1.25E-03
1.06E+02	-5.33E-03	-1.72E-03	1.03E-03
1.06E+02	-5.28E-03	-1.61E-03	7.88E-04
1.06E+02	-5.24E-03	-1.52E-03	5.58E-04
1.06E+02	-5.22E-03	-1.48E-03	3.55E-04
1.06E+02	-5.17E-03	-1.45E-03	2.74E-04
1.06E+02	-5.11E-03	-1.40E-03	2.85E-04
1.06E+02	-5.11E-03	-1.34E-03	2.90E-04
1.06E+02	-5.19E-03	-1.25E-03	2.79E-04
1.06E+02	-5.30E-03	-1.12E-03	2.83E-04
1.06E+02	-5.39E-03	-9.29E-04	3.65E-04
1.06E+02	-5.52E-03	-7.24E-04	4.86E-04
1.06E+02	-5.64E-03	-5.33E-04	5.98E-04
1.06E+02	-5.71E-03	-3.13E-04	7.63E-04
1.06E+02	-5.72E-03	-6.73E-05	9.33E-04
1.06E+02	-5.69E-03	1.33E-04	1.03E-03

1.06E+02	-5.64E-03	3.07E-04	1.11E-03
1.06E+02	-5.56E-03	4.78E-04	1.19E-03
1.06E+02	-5.42E-03	6.46E-04	1.26E-03
1.06E+02	-5.31E-03	8.05E-04	1.26E-03
1.06E+02	-5.21E-03	9.14E-04	1.15E-03
1.06E+02	-5.10E-03	1.02E-03	1.03E-03
1.06E+02	-4.98E-03	1.14E-03	9.62E-04
1.06E+02	-4.88E-03	1.23E-03	8.58E-04
1.06E+02	-4.84E-03	1.31E-03	7.69E-04
1.06E+02	-4.83E-03	1.40E-03	7.48E-04
1.06E+02	-4.81E-03	1.47E-03	7.06E-04
1.06E+02	-4.85E-03	1.48E-03	6.05E-04
1.06E+02	-4.93E-03	1.42E-03	4.40E-04
1.06E+02	-4.99E-03	1.30E-03	3.15E-04
1.06E+02	-5.04E-03	1.17E-03	3.37E-04
1.06E+02	-5.06E-03	1.02E-03	3.68E-04
1.06E+02	-5.10E-03	8.51E-04	3.61E-04
1.06E+02	-5.15E-03	7.50E-04	3.86E-04
1.06E+02	-5.15E-03	7.32E-04	4.47E-04
1.06E+02	-5.12E-03	7.81E-04	5.45E-04
1.06E+02	-5.09E-03	8.42E-04	6.02E-04
1.06E+02	-5.01E-03	9.22E-04	6.48E-04
1.06E+02	-4.87E-03	1.03E-03	7.76E-04
1.06E+02	-4.68E-03	1.12E-03	9.05E-04
1.06E+02	-4.47E-03	1.17E-03	1.03E-03
1.06E+02	-4.25E-03	1.22E-03	1.17E-03
1.06E+02	-3.98E-03	1.26E-03	1.26E-03
1.06E+02	-3.68E-03	1.29E-03	1.31E-03
1.06E+02	-3.41E-03	1.27E-03	1.33E-03
1.06E+02	-3.18E-03	1.21E-03	1.33E-03
1.06E+02	-2.98E-03	1.14E-03	1.38E-03
1.06E+02	-2.84E-03	1.01E-03	1.40E-03
1.06E+02	-2.79E-03	8.26E-04	1.37E-03
1.06E+02	-2.81E-03	6.42E-04	1.35E-03
1.06E+02	-2.88E-03	4.80E-04	1.29E-03
1.06E+02	-2.99E-03	3.78E-04	1.21E-03
1.06E+02	-3.16E-03	3.17E-04	1.13E-03
1.06E+02	-3.34E-03	2.79E-04	1.06E-03
1.06E+02	-3.51E-03	2.73E-04	1.09E-03
1.06E+02	-3.67E-03	2.55E-04	1.14E-03
1.06E+02	-3.83E-03	2.08E-04	1.14E-03
1.06E+02	-3.99E-03	1.33E-04	1.19E-03
1.06E+02	-4.08E-03	2.33E-05	1.30E-03
1.06E+02	-4.10E-03	-9.94E-05	1.44E-03
1.06E+02	-4.11E-03	-2.39E-04	1.57E-03
1.06E+02	-4.11E-03	-3.81E-04	1.66E-03
1.06E+02	-4.05E-03	-4.71E-04	1.79E-03

1.06E+02	-3.97E-03	-5.50E-04	1.93E-03
1.06E+02	-3.88E-03	-6.47E-04	2.03E-03
1.06E+02	-3.82E-03	-7.37E-04	2.10E-03
1.06E+02	-3.79E-03	-8.17E-04	2.10E-03
1.06E+02	-3.73E-03	-8.41E-04	2.07E-03
1.06E+02	-3.72E-03	-8.46E-04	2.00E-03
1.06E+02	-3.74E-03	-8.52E-04	1.87E-03
1.06E+02	-3.72E-03	-8.09E-04	1.79E-03
1.06E+02	-3.69E-03	-7.60E-04	1.75E-03
1.06E+02	-3.67E-03	-7.49E-04	1.70E-03
1.06E+02	-3.70E-03	-7.36E-04	1.69E-03
1.06E+02	-3.74E-03	-6.96E-04	1.74E-03
1.06E+02	-3.75E-03	-6.11E-04	1.83E-03
1.07E+02	-3.81E-03	-4.82E-04	1.89E-03
1.07E+02	-3.90E-03	-3.32E-04	1.82E-03
1.07E+02	-3.94E-03	-1.18E-04	1.74E-03
1.07E+02	-3.93E-03	1.67E-04	1.73E-03
1.07E+02	-3.87E-03	4.36E-04	1.75E-03
1.07E+02	-3.78E-03	6.58E-04	1.82E-03
1.07E+02	-3.65E-03	8.34E-04	1.95E-03
1.07E+02	-3.45E-03	9.85E-04	2.11E-03
1.07E+02	-3.24E-03	1.09E-03	2.25E-03
1.07E+02	-3.03E-03	1.11E-03	2.21E-03
1.07E+02	-2.80E-03	1.14E-03	2.11E-03
1.07E+02	-2.54E-03	1.22E-03	2.03E-03
1.07E+02	-2.31E-03	1.31E-03	1.88E-03
1.07E+02	-2.16E-03	1.42E-03	1.68E-03
1.07E+02	-2.07E-03	1.56E-03	1.48E-03
1.07E+02	-1.97E-03	1.70E-03	1.32E-03
1.07E+02	-1.95E-03	1.82E-03	1.22E-03
1.07E+02	-2.02E-03	1.84E-03	1.11E-03
1.07E+02	-2.11E-03	1.82E-03	1.04E-03
1.07E+02	-2.22E-03	1.75E-03	1.01E-03
1.07E+02	-2.35E-03	1.64E-03	8.41E-04
1.07E+02	-2.51E-03	1.49E-03	6.36E-04
1.07E+02	-2.69E-03	1.37E-03	4.66E-04
1.07E+02	-2.82E-03	1.29E-03	2.93E-04
1.07E+02	-2.92E-03	1.26E-03	1.76E-04
1.07E+02	-3.01E-03	1.22E-03	4.01E-05
1.07E+02	-3.06E-03	1.15E-03	-1.10E-04
1.07E+02	-3.09E-03	1.08E-03	-2.11E-04
1.07E+02	-3.10E-03	9.50E-04	-3.48E-04
1.07E+02	-3.12E-03	7.67E-04	-4.72E-04
1.07E+02	-3.16E-03	5.54E-04	-5.61E-04
1.07E+02	-3.14E-03	3.35E-04	-6.72E-04
1.07E+02	-3.10E-03	1.44E-04	-7.32E-04
1.07E+02	-3.09E-03	-3.76E-05	-7.67E-04

1.07E+02	-3.10E-03	-2.10E-04	-8.19E-04
1.07E+02	-3.13E-03	-3.19E-04	-8.31E-04
1.07E+02	-3.16E-03	-3.85E-04	-8.78E-04
1.07E+02	-3.21E-03	-4.29E-04	-9.22E-04
1.07E+02	-3.32E-03	-4.22E-04	-8.02E-04
1.07E+02	-3.38E-03	-3.82E-04	-5.85E-04
1.07E+02	-3.40E-03	-3.31E-04	-3.17E-04
1.07E+02	-3.43E-03	-3.20E-04	-7.53E-05
1.07E+02	-3.43E-03	-3.73E-04	7.65E-05
1.07E+02	-3.35E-03	-4.45E-04	2.80E-04
1.07E+02	-3.20E-03	-5.36E-04	4.45E-04
1.07E+02	-3.01E-03	-6.60E-04	4.76E-04
1.07E+02	-2.85E-03	-7.99E-04	4.52E-04
1.07E+02	-2.65E-03	-9.32E-04	3.55E-04
1.07E+02	-2.43E-03	-1.06E-03	2.59E-04
1.07E+02	-2.30E-03	-1.18E-03	1.72E-04
1.07E+02	-2.26E-03	-1.31E-03	4.69E-05
1.07E+02	-2.30E-03	-1.41E-03	-3.13E-05
1.07E+02	-2.41E-03	-1.49E-03	-1.39E-04
1.07E+02	-2.59E-03	-1.55E-03	-3.12E-04
1.07E+02	-2.84E-03	-1.57E-03	-4.16E-04
1.07E+02	-3.05E-03	-1.53E-03	-4.23E-04
1.07E+02	-3.20E-03	-1.42E-03	-3.03E-04
1.07E+02	-3.34E-03	-1.30E-03	-9.77E-05
1.07E+02	-3.41E-03	-1.18E-03	8.22E-05
1.07E+02	-3.40E-03	-1.05E-03	2.54E-04
1.07E+02	-3.31E-03	-9.00E-04	3.75E-04
1.07E+02	-3.13E-03	-7.66E-04	3.83E-04
1.07E+02	-2.92E-03	-6.35E-04	3.25E-04
1.07E+02	-2.67E-03	-5.04E-04	2.40E-04
1.07E+02	-2.36E-03	-3.92E-04	1.60E-04
1.07E+02	-2.08E-03	-3.14E-04	1.03E-04
1.07E+02	-1.87E-03	-3.68E-04	5.87E-05
1.07E+02	-1.70E-03	-5.10E-04	1.05E-04
1.07E+02	-1.61E-03	-6.99E-04	2.36E-04
1.07E+02	-1.60E-03	-9.60E-04	3.28E-04
1.07E+02	-1.67E-03	-1.20E-03	4.15E-04
1.07E+02	-1.81E-03	-1.36E-03	5.25E-04
1.07E+02	-1.94E-03	-1.42E-03	6.07E-04
1.07E+02	-2.08E-03	-1.39E-03	6.32E-04
1.07E+02	-2.24E-03	-1.34E-03	6.10E-04
1.07E+02	-2.34E-03	-1.25E-03	6.98E-04
1.07E+02	-2.41E-03	-1.12E-03	9.07E-04
1.07E+02	-2.47E-03	-1.01E-03	1.08E-03
1.07E+02	-2.51E-03	-9.03E-04	1.23E-03
1.07E+02	-2.53E-03	-7.75E-04	1.37E-03
1.07E+02	-2.46E-03	-6.47E-04	1.47E-03

1.07E+02	-2.36E-03	-4.76E-04	1.53E-03
1.07E+02	-2.29E-03	-2.91E-04	1.48E-03
1.07E+02	-2.22E-03	-9.59E-05	1.32E-03
1.07E+02	-2.16E-03	1.29E-04	1.15E-03
1.07E+02	-2.11E-03	3.06E-04	9.44E-04
1.07E+02	-2.12E-03	4.37E-04	7.30E-04
1.07E+02	-2.20E-03	5.30E-04	5.07E-04
1.07E+02	-2.28E-03	6.07E-04	2.58E-04
1.07E+02	-2.40E-03	7.08E-04	6.56E-05
1.07E+02	-2.57E-03	7.90E-04	-8.34E-05
1.07E+02	-2.71E-03	8.71E-04	-1.32E-04
1.07E+02	-2.83E-03	9.51E-04	-1.34E-05
1.07E+02	-2.93E-03	9.58E-04	1.71E-04
1.07E+02	-3.01E-03	8.80E-04	4.36E-04
1.07E+02	-3.10E-03	7.28E-04	7.74E-04
1.07E+02	-3.08E-03	5.13E-04	1.09E-03
1.07E+02	-2.99E-03	2.78E-04	1.40E-03
1.07E+02	-2.89E-03	4.58E-06	1.63E-03
1.07E+02	-2.77E-03	-2.90E-04	1.77E-03
1.07E+02	-2.61E-03	-5.19E-04	1.94E-03
1.07E+02	-2.42E-03	-7.29E-04	2.02E-03
1.07E+02	-2.26E-03	-9.41E-04	1.98E-03
1.07E+02	-2.15E-03	-1.13E-03	1.89E-03
1.07E+02	-2.03E-03	-1.30E-03	1.73E-03
1.07E+02	-1.89E-03	-1.42E-03	1.57E-03
1.07E+02	-1.80E-03	-1.53E-03	1.39E-03
1.07E+02	-1.68E-03	-1.64E-03	1.16E-03
1.07E+02	-1.53E-03	-1.74E-03	1.05E-03
1.07E+02	-1.36E-03	-1.83E-03	9.82E-04
1.07E+02	-1.22E-03	-1.95E-03	8.20E-04
1.07E+02	-1.14E-03	-2.12E-03	6.52E-04
1.07E+02	-1.06E-03	-2.32E-03	5.04E-04
1.07E+02	-9.80E-04	-2.54E-03	3.98E-04
1.07E+02	-9.89E-04	-2.81E-03	3.15E-04
1.07E+02	-1.05E-03	-3.16E-03	1.91E-04
1.07E+02	-1.15E-03	-3.49E-03	1.20E-04
1.07E+02	-1.29E-03	-3.80E-03	9.25E-05
1.07E+02	-1.44E-03	-4.09E-03	9.25E-05
1.07E+02	-1.67E-03	-4.30E-03	2.23E-04
1.07E+02	-1.89E-03	-4.54E-03	3.85E-04
1.07E+02	-2.03E-03	-4.72E-03	5.58E-04
1.07E+02	-2.16E-03	-4.81E-03	7.36E-04
1.07E+02	-2.24E-03	-4.90E-03	8.24E-04
1.07E+02	-2.21E-03	-4.93E-03	9.32E-04
1.07E+02	-2.08E-03	-4.86E-03	1.04E-03
1.07E+02	-1.88E-03	-4.72E-03	1.06E-03
1.07E+02	-1.64E-03	-4.50E-03	1.07E-03

1.07E+02	-1.33E-03	-4.20E-03	1.08E-03
1.07E+02	-9.39E-04	-3.80E-03	1.12E-03
1.07E+02	-5.81E-04	-3.41E-03	1.18E-03
1.07E+02	-2.74E-04	-3.07E-03	1.23E-03
1.07E+02	-4.01E-06	-2.73E-03	1.39E-03
1.07E+02	2.09E-04	-2.43E-03	1.68E-03
1.07E+02	3.60E-04	-2.18E-03	2.02E-03
1.07E+02	3.90E-04	-1.97E-03	2.38E-03
1.07E+02	3.78E-04	-1.78E-03	2.68E-03
1.07E+02	3.83E-04	-1.58E-03	2.92E-03
1.07E+02	3.68E-04	-1.38E-03	3.03E-03
1.07E+02	3.79E-04	-1.20E-03	2.94E-03
1.07E+02	4.51E-04	-1.03E-03	2.76E-03
1.07E+02	5.88E-04	-8.33E-04	2.60E-03
1.07E+02	7.73E-04	-7.06E-04	2.41E-03
1.07E+02	9.38E-04	-6.73E-04	2.19E-03
1.07E+02	1.08E-03	-7.05E-04	1.93E-03
1.07E+02	1.23E-03	-8.41E-04	1.57E-03
1.07E+02	1.34E-03	-1.04E-03	1.19E-03
1.07E+02	1.40E-03	-1.26E-03	7.54E-04
1.07E+02	1.45E-03	-1.48E-03	3.04E-04
1.07E+02	1.53E-03	-1.64E-03	-1.08E-04
1.07E+02	1.65E-03	-1.76E-03	-5.54E-04
1.07E+02	1.74E-03	-1.89E-03	-9.43E-04
1.07E+02	1.79E-03	-2.03E-03	-1.18E-03
1.07E+02	1.85E-03	-2.18E-03	-1.27E-03
1.07E+02	1.87E-03	-2.33E-03	-1.20E-03
1.07E+02	1.80E-03	-2.53E-03	-1.09E-03
1.07E+02	1.71E-03	-2.76E-03	-9.30E-04
1.07E+02	1.60E-03	-2.97E-03	-6.86E-04
1.07E+02	1.50E-03	-3.18E-03	-4.59E-04
1.07E+02	1.40E-03	-3.36E-03	-2.64E-04
1.07E+02	1.26E-03	-3.55E-03	-9.04E-05
1.07E+02	1.19E-03	-3.72E-03	1.24E-04
1.07E+02	1.16E-03	-3.83E-03	4.55E-04
1.07E+02	1.09E-03	-3.96E-03	8.08E-04
1.07E+02	1.01E-03	-4.05E-03	1.15E-03
1.07E+02	9.40E-04	-4.04E-03	1.53E-03
1.07E+02	8.67E-04	-3.99E-03	1.83E-03
1.07E+02	7.71E-04	-3.88E-03	1.98E-03
1.07E+02	6.40E-04	-3.69E-03	2.03E-03
1.07E+02	5.51E-04	-3.44E-03	1.96E-03
1.07E+02	5.09E-04	-3.18E-03	1.77E-03
1.07E+02	4.59E-04	-2.97E-03	1.48E-03
1.07E+02	4.50E-04	-2.86E-03	1.08E-03
1.07E+02	5.25E-04	-2.81E-03	7.32E-04
1.07E+02	6.27E-04	-2.80E-03	4.88E-04

1.07E+02	7.18E-04	-2.85E-03	3.22E-04
1.07E+02	7.63E-04	-2.91E-03	2.45E-04
1.07E+02	7.73E-04	-2.96E-03	1.90E-04
1.07E+02	7.69E-04	-2.95E-03	1.12E-04
1.07E+02	6.93E-04	-2.88E-03	3.81E-07
1.07E+02	5.71E-04	-2.77E-03	-6.79E-05
1.07E+02	4.79E-04	-2.58E-03	8.51E-05
1.07E+02	4.38E-04	-2.35E-03	3.96E-04
1.07E+02	4.26E-04	-2.18E-03	7.01E-04
1.07E+02	4.20E-04	-2.07E-03	9.65E-04
1.07E+02	4.79E-04	-2.02E-03	1.17E-03
1.07E+02	6.09E-04	-2.01E-03	1.31E-03
1.07E+02	7.36E-04	-2.04E-03	1.31E-03
1.07E+02	8.76E-04	-2.11E-03	1.18E-03
1.07E+02	1.07E-03	-2.14E-03	1.09E-03
1.07E+02	1.29E-03	-2.15E-03	1.08E-03
1.07E+02	1.49E-03	-2.18E-03	1.00E-03
1.07E+02	1.63E-03	-2.23E-03	8.66E-04
1.07E+02	1.73E-03	-2.30E-03	6.53E-04
1.07E+02	1.84E-03	-2.36E-03	3.71E-04
1.07E+02	1.90E-03	-2.44E-03	5.76E-05
1.07E+02	1.94E-03	-2.49E-03	-3.32E-04
1.07E+02	2.00E-03	-2.47E-03	-7.04E-04
1.07E+02	2.07E-03	-2.41E-03	-9.70E-04
1.07E+02	2.18E-03	-2.33E-03	-1.11E-03
1.08E+02	2.29E-03	-2.25E-03	-1.08E-03
1.08E+02	2.38E-03	-2.21E-03	-9.37E-04
1.08E+02	2.53E-03	-2.15E-03	-7.09E-04
1.08E+02	2.66E-03	-2.08E-03	-4.51E-04
1.08E+02	2.75E-03	-2.04E-03	-3.20E-04
1.08E+02	2.84E-03	-2.00E-03	-2.69E-04
1.08E+02	2.92E-03	-1.91E-03	-1.93E-04
1.08E+02	2.97E-03	-1.79E-03	-1.23E-04
1.08E+02	2.96E-03	-1.67E-03	1.13E-05
1.08E+02	2.88E-03	-1.53E-03	2.65E-04
1.08E+02	2.84E-03	-1.38E-03	5.58E-04
1.08E+02	2.81E-03	-1.22E-03	8.46E-04
1.08E+02	2.78E-03	-1.12E-03	9.93E-04
1.08E+02	2.77E-03	-1.06E-03	9.94E-04
1.08E+02	2.82E-03	-9.69E-04	9.74E-04
1.08E+02	2.97E-03	-8.81E-04	8.83E-04
1.08E+02	3.18E-03	-7.94E-04	7.84E-04
1.08E+02	3.41E-03	-6.91E-04	7.57E-04
1.08E+02	3.69E-03	-5.79E-04	7.42E-04
1.08E+02	3.98E-03	-4.97E-04	6.85E-04
1.08E+02	4.21E-03	-4.89E-04	4.99E-04
1.08E+02	4.43E-03	-5.50E-04	1.81E-04

1.08E+02	4.65E-03	-6.37E-04	-1.78E-04
1.08E+02	4.86E-03	-7.24E-04	-5.29E-04
1.08E+02	5.04E-03	-8.22E-04	-8.30E-04
1.08E+02	5.18E-03	-9.06E-04	-1.03E-03
1.08E+02	5.33E-03	-9.70E-04	-1.13E-03
1.08E+02	5.47E-03	-1.03E-03	-1.13E-03
1.08E+02	5.58E-03	-1.13E-03	-1.13E-03
1.08E+02	5.67E-03	-1.26E-03	-1.15E-03
1.08E+02	5.79E-03	-1.36E-03	-1.08E-03
1.08E+02	5.96E-03	-1.43E-03	-9.74E-04
1.08E+02	6.12E-03	-1.49E-03	-8.46E-04
1.08E+02	6.25E-03	-1.53E-03	-6.58E-04
1.08E+02	6.39E-03	-1.55E-03	-4.40E-04
1.08E+02	6.50E-03	-1.53E-03	-1.94E-04
1.08E+02	6.52E-03	-1.50E-03	-1.18E-05
1.08E+02	6.49E-03	-1.48E-03	4.67E-05
1.08E+02	6.47E-03	-1.42E-03	4.86E-05
1.08E+02	6.42E-03	-1.36E-03	-8.47E-05
1.08E+02	6.37E-03	-1.30E-03	-3.78E-04
1.08E+02	6.28E-03	-1.22E-03	-7.02E-04
1.08E+02	6.20E-03	-1.11E-03	-9.94E-04
1.08E+02	6.15E-03	-9.74E-04	-1.20E-03
1.08E+02	6.05E-03	-8.34E-04	-1.33E-03
1.08E+02	5.91E-03	-7.15E-04	-1.49E-03
1.08E+02	5.78E-03	-5.97E-04	-1.64E-03
1.08E+02	5.64E-03	-4.73E-04	-1.75E-03
1.08E+02	5.50E-03	-4.07E-04	-1.88E-03
1.08E+02	5.34E-03	-4.12E-04	-1.99E-03
1.08E+02	5.19E-03	-4.52E-04	-2.03E-03
1.08E+02	5.10E-03	-4.95E-04	-1.98E-03
1.08E+02	5.01E-03	-5.39E-04	-1.85E-03
1.08E+02	4.93E-03	-5.89E-04	-1.65E-03
1.08E+02	4.89E-03	-5.89E-04	-1.35E-03
1.08E+02	4.88E-03	-5.17E-04	-1.03E-03
1.08E+02	4.85E-03	-4.16E-04	-8.21E-04
1.08E+02	4.78E-03	-2.80E-04	-7.32E-04
1.08E+02	4.68E-03	-9.21E-05	-7.17E-04
1.08E+02	4.61E-03	1.41E-04	-7.56E-04
1.08E+02	4.51E-03	3.89E-04	-8.30E-04
1.08E+02	4.38E-03	6.11E-04	-9.83E-04
1.08E+02	4.26E-03	8.39E-04	-1.19E-03
1.08E+02	4.16E-03	1.10E-03	-1.41E-03
1.08E+02	4.11E-03	1.34E-03	-1.68E-03
1.08E+02	4.05E-03	1.56E-03	-1.92E-03
1.08E+02	3.99E-03	1.80E-03	-2.06E-03
1.08E+02	3.97E-03	2.02E-03	-2.15E-03
1.08E+02	3.92E-03	2.24E-03	-2.19E-03

1.08E+02	3.84E-03	2.42E-03	-2.25E-03
1.08E+02	3.77E-03	2.61E-03	-2.28E-03
1.08E+02	3.74E-03	2.85E-03	-2.18E-03
1.08E+02	3.71E-03	3.09E-03	-2.06E-03
1.08E+02	3.65E-03	3.30E-03	-1.95E-03
1.08E+02	3.58E-03	3.53E-03	-1.86E-03
1.08E+02	3.57E-03	3.73E-03	-1.90E-03
1.08E+02	3.60E-03	3.90E-03	-1.97E-03
1.08E+02	3.63E-03	4.02E-03	-2.04E-03
1.08E+02	3.71E-03	4.10E-03	-2.06E-03
1.08E+02	3.81E-03	4.18E-03	-1.97E-03
1.08E+02	3.92E-03	4.20E-03	-1.89E-03
1.08E+02	4.02E-03	4.15E-03	-1.84E-03
1.08E+02	4.06E-03	4.03E-03	-1.75E-03
1.08E+02	4.12E-03	3.88E-03	-1.69E-03
1.08E+02	4.17E-03	3.69E-03	-1.67E-03
1.08E+02	4.16E-03	3.45E-03	-1.75E-03
1.08E+02	4.18E-03	3.19E-03	-1.91E-03
1.08E+02	4.25E-03	2.97E-03	-2.02E-03
1.08E+02	4.36E-03	2.77E-03	-2.09E-03
1.08E+02	4.50E-03	2.55E-03	-2.14E-03
1.08E+02	4.63E-03	2.32E-03	-2.09E-03
1.08E+02	4.81E-03	2.02E-03	-1.98E-03
1.08E+02	5.02E-03	1.67E-03	-1.82E-03
1.08E+02	5.21E-03	1.26E-03	-1.63E-03
1.08E+02	5.39E-03	8.08E-04	-1.50E-03
1.08E+02	5.59E-03	4.02E-04	-1.33E-03
1.08E+02	5.82E-03	8.77E-05	-1.18E-03
1.08E+02	6.03E-03	-1.79E-04	-1.16E-03
1.08E+02	6.19E-03	-3.73E-04	-1.17E-03
1.08E+02	6.37E-03	-4.83E-04	-1.16E-03
1.08E+02	6.55E-03	-5.32E-04	-1.17E-03
1.08E+02	6.66E-03	-5.54E-04	-1.21E-03
1.08E+02	6.74E-03	-5.60E-04	-1.32E-03
1.08E+02	6.85E-03	-4.89E-04	-1.36E-03
1.08E+02	6.95E-03	-3.48E-04	-1.37E-03
1.08E+02	7.02E-03	-1.72E-04	-1.42E-03
1.08E+02	7.04E-03	5.34E-05	-1.44E-03
1.08E+02	7.03E-03	3.07E-04	-1.45E-03
1.08E+02	7.03E-03	5.50E-04	-1.48E-03
1.08E+02	6.96E-03	7.46E-04	-1.51E-03
1.08E+02	6.78E-03	8.80E-04	-1.62E-03
1.08E+02	6.54E-03	1.00E-03	-1.77E-03
1.08E+02	6.25E-03	1.12E-03	-1.91E-03
1.08E+02	5.89E-03	1.22E-03	-2.07E-03
1.08E+02	5.50E-03	1.35E-03	-2.16E-03
1.08E+02	5.10E-03	1.50E-03	-2.11E-03

1.08E+02	4.74E-03	1.67E-03	-2.00E-03
1.08E+02	4.38E-03	1.81E-03	-1.91E-03
1.08E+02	4.00E-03	1.86E-03	-1.92E-03
1.08E+02	3.72E-03	1.84E-03	-1.96E-03
1.08E+02	3.52E-03	1.78E-03	-1.91E-03
1.08E+02	3.38E-03	1.64E-03	-1.89E-03
1.08E+02	3.28E-03	1.48E-03	-1.83E-03
1.08E+02	3.19E-03	1.33E-03	-1.73E-03
1.08E+02	3.22E-03	1.18E-03	-1.68E-03
1.08E+02	3.30E-03	1.06E-03	-1.62E-03
1.08E+02	3.38E-03	9.21E-04	-1.63E-03
1.08E+02	3.53E-03	7.87E-04	-1.69E-03
1.08E+02	3.72E-03	7.03E-04	-1.70E-03
1.08E+02	3.95E-03	6.46E-04	-1.73E-03
1.08E+02	4.24E-03	5.84E-04	-1.80E-03
1.08E+02	4.52E-03	5.58E-04	-1.86E-03
1.08E+02	4.87E-03	6.12E-04	-1.96E-03
1.08E+02	5.20E-03	6.81E-04	-2.06E-03
1.08E+02	5.45E-03	7.70E-04	-2.16E-03
1.08E+02	5.68E-03	9.30E-04	-2.22E-03
1.08E+02	5.90E-03	1.14E-03	-2.13E-03
1.08E+02	6.05E-03	1.36E-03	-1.97E-03
1.08E+02	6.09E-03	1.58E-03	-1.84E-03
1.08E+02	6.02E-03	1.79E-03	-1.75E-03
1.08E+02	5.92E-03	1.98E-03	-1.71E-03
1.08E+02	5.79E-03	2.17E-03	-1.72E-03
1.08E+02	5.53E-03	2.30E-03	-1.84E-03
1.08E+02	5.24E-03	2.40E-03	-2.06E-03
1.08E+02	4.91E-03	2.50E-03	-2.10E-03
1.08E+02	4.57E-03	2.58E-03	-2.11E-03
1.08E+02	4.26E-03	2.68E-03	-2.12E-03
1.08E+02	3.83E-03	2.76E-03	-2.03E-03
1.08E+02	3.40E-03	2.81E-03	-1.92E-03
1.08E+02	2.99E-03	2.85E-03	-1.68E-03
1.08E+02	2.54E-03	2.89E-03	-1.46E-03
1.08E+02	2.21E-03	2.89E-03	-1.37E-03
1.08E+02	1.97E-03	2.87E-03	-1.18E-03
1.08E+02	1.85E-03	2.88E-03	-9.53E-04
1.08E+02	1.90E-03	2.83E-03	-8.04E-04
1.08E+02	1.98E-03	2.75E-03	-6.60E-04
1.08E+02	2.17E-03	2.62E-03	-5.64E-04
1.08E+02	2.45E-03	2.52E-03	-5.04E-04
1.08E+02	2.67E-03	2.41E-03	-6.07E-04
1.08E+02	2.87E-03	2.25E-03	-9.11E-04
1.08E+02	3.05E-03	2.19E-03	-1.09E-03
1.08E+02	3.15E-03	2.09E-03	-1.14E-03
1.08E+02	3.27E-03	2.01E-03	-1.07E-03

1.08E+02	3.25E-03	2.03E-03	-7.57E-04
1.08E+02	3.17E-03	1.97E-03	-4.35E-04
1.08E+02	3.15E-03	1.92E-03	-2.49E-04
1.08E+02	3.06E-03	1.86E-03	-1.36E-04
1.08E+02	2.95E-03	1.79E-03	-1.30E-04
1.08E+02	2.98E-03	1.82E-03	-3.35E-04
1.08E+02	3.10E-03	1.87E-03	-5.88E-04
1.08E+02	3.26E-03	2.02E-03	-5.86E-04
1.08E+02	3.50E-03	2.30E-03	-5.13E-04
1.08E+02	3.75E-03	2.52E-03	-5.12E-04
1.08E+02	3.97E-03	2.77E-03	-4.04E-04
1.08E+02	4.13E-03	2.95E-03	-2.54E-04
1.08E+02	4.17E-03	2.99E-03	-1.92E-04
1.08E+02	4.14E-03	3.02E-03	-1.50E-04
1.08E+02	4.05E-03	3.06E-03	-1.72E-04
1.08E+02	3.89E-03	3.03E-03	-2.91E-04
1.08E+02	3.63E-03	2.98E-03	-3.95E-04
1.08E+02	3.39E-03	3.02E-03	-5.70E-04
1.08E+02	3.21E-03	3.04E-03	-8.41E-04
1.08E+02	3.05E-03	3.03E-03	-1.09E-03
1.08E+02	2.90E-03	2.98E-03	-1.36E-03
1.08E+02	2.84E-03	2.86E-03	-1.64E-03
1.08E+02	2.89E-03	2.72E-03	-1.84E-03
1.08E+02	2.95E-03	2.53E-03	-1.99E-03
1.08E+02	3.02E-03	2.36E-03	-2.05E-03
1.08E+02	3.03E-03	2.12E-03	-2.14E-03
1.08E+02	3.13E-03	1.91E-03	-2.26E-03
1.08E+02	3.27E-03	1.80E-03	-2.24E-03
1.08E+02	3.28E-03	1.67E-03	-2.11E-03
1.08E+02	3.40E-03	1.69E-03	-1.98E-03
1.08E+02	3.51E-03	1.74E-03	-1.77E-03
1.08E+02	3.63E-03	1.77E-03	-1.59E-03
1.08E+02	3.79E-03	1.84E-03	-1.47E-03
1.08E+02	3.84E-03	1.89E-03	-1.34E-03
1.08E+02	4.00E-03	2.00E-03	-1.30E-03
1.08E+02	4.13E-03	2.12E-03	-1.36E-03
1.08E+02	4.21E-03	2.22E-03	-1.52E-03
1.09E+02	4.37E-03	2.36E-03	-1.69E-03
1.09E+02	4.48E-03	2.53E-03	-1.76E-03
1.09E+02	4.59E-03	2.65E-03	-1.92E-03
1.09E+02	4.64E-03	2.77E-03	-2.16E-03
1.09E+02	4.62E-03	2.88E-03	-2.46E-03
1.09E+02	4.63E-03	2.96E-03	-2.76E-03
1.09E+02	4.58E-03	3.11E-03	-2.87E-03
1.09E+02	4.46E-03	3.24E-03	-2.95E-03
1.09E+02	4.35E-03	3.34E-03	-3.02E-03
1.09E+02	4.23E-03	3.47E-03	-3.00E-03

1.09E+02	4.14E-03	3.57E-03	-3.01E-03
1.09E+02	4.07E-03	3.63E-03	-2.99E-03
1.09E+02	4.02E-03	3.62E-03	-2.88E-03
1.09E+02	4.06E-03	3.59E-03	-2.70E-03
1.09E+02	4.12E-03	3.54E-03	-2.40E-03
1.09E+02	4.09E-03	3.41E-03	-2.14E-03
1.09E+02	4.05E-03	3.26E-03	-1.99E-03
1.09E+02	4.01E-03	3.17E-03	-1.78E-03
1.09E+02	3.94E-03	3.13E-03	-1.59E-03
1.09E+02	3.84E-03	3.11E-03	-1.54E-03
1.09E+02	3.68E-03	3.12E-03	-1.52E-03
1.09E+02	3.56E-03	3.18E-03	-1.55E-03
1.09E+02	3.49E-03	3.26E-03	-1.60E-03
1.09E+02	3.43E-03	3.32E-03	-1.67E-03
1.09E+02	3.43E-03	3.34E-03	-1.76E-03
1.09E+02	3.48E-03	3.37E-03	-1.73E-03
1.09E+02	3.58E-03	3.40E-03	-1.70E-03
1.09E+02	3.69E-03	3.35E-03	-1.80E-03
1.09E+02	3.76E-03	3.33E-03	-1.81E-03
1.09E+02	3.87E-03	3.39E-03	-1.75E-03
1.09E+02	3.99E-03	3.47E-03	-1.66E-03
1.09E+02	4.05E-03	3.53E-03	-1.50E-03
1.09E+02	4.08E-03	3.54E-03	-1.37E-03
1.09E+02	4.13E-03	3.54E-03	-1.18E-03
1.09E+02	4.19E-03	3.51E-03	-9.11E-04
1.09E+02	4.22E-03	3.39E-03	-7.11E-04
1.09E+02	4.18E-03	3.26E-03	-5.81E-04
1.09E+02	4.14E-03	3.13E-03	-5.36E-04
1.09E+02	4.15E-03	3.02E-03	-5.55E-04
1.09E+02	4.11E-03	2.95E-03	-5.55E-04
1.09E+02	4.01E-03	2.89E-03	-6.32E-04
1.09E+02	3.89E-03	2.88E-03	-7.72E-04
1.09E+02	3.72E-03	2.91E-03	-9.29E-04
1.09E+02	3.55E-03	2.91E-03	-1.14E-03
1.09E+02	3.31E-03	2.90E-03	-1.32E-03
1.09E+02	3.04E-03	2.85E-03	-1.45E-03
1.09E+02	2.84E-03	2.77E-03	-1.54E-03
1.09E+02	2.63E-03	2.64E-03	-1.54E-03
1.09E+02	2.45E-03	2.46E-03	-1.48E-03
1.09E+02	2.39E-03	2.26E-03	-1.38E-03
1.09E+02	2.38E-03	2.06E-03	-1.25E-03
1.09E+02	2.41E-03	1.86E-03	-1.18E-03
1.09E+02	2.43E-03	1.66E-03	-1.12E-03
1.09E+02	2.44E-03	1.47E-03	-1.02E-03
1.09E+02	2.49E-03	1.33E-03	-8.91E-04
1.09E+02	2.47E-03	1.20E-03	-6.83E-04
1.09E+02	2.36E-03	1.02E-03	-5.41E-04

1.09E+02	2.19E-03	8.20E-04	-4.78E-04
1.09E+02	1.97E-03	6.59E-04	-3.37E-04
1.09E+02	1.74E-03	5.30E-04	-2.24E-04
1.09E+02	1.50E-03	4.37E-04	-9.88E-05
1.09E+02	1.25E-03	3.90E-04	5.17E-05
1.09E+02	1.06E-03	4.00E-04	1.01E-04
1.09E+02	8.85E-04	4.67E-04	7.17E-05
1.09E+02	7.05E-04	5.29E-04	-1.34E-04
1.09E+02	6.03E-04	6.00E-04	-4.66E-04
1.09E+02	5.58E-04	7.25E-04	-7.45E-04
1.09E+02	5.83E-04	8.57E-04	-1.02E-03
1.09E+02	6.56E-04	1.01E-03	-1.19E-03
1.09E+02	7.27E-04	1.21E-03	-1.16E-03
1.09E+02	8.45E-04	1.41E-03	-1.03E-03
1.09E+02	9.52E-04	1.61E-03	-8.37E-04
1.09E+02	9.52E-04	1.74E-03	-6.32E-04
1.09E+02	8.87E-04	1.83E-03	-4.78E-04
1.09E+02	7.67E-04	1.89E-03	-3.04E-04
1.09E+02	5.92E-04	1.91E-03	-1.98E-04
1.09E+02	3.82E-04	1.86E-03	-1.29E-04
1.09E+02	1.09E-04	1.79E-03	2.29E-05
1.09E+02	-1.47E-04	1.71E-03	2.03E-04
1.09E+02	-3.68E-04	1.57E-03	4.69E-04
1.09E+02	-6.04E-04	1.42E-03	7.47E-04
1.09E+02	-7.55E-04	1.24E-03	9.52E-04
1.09E+02	-8.01E-04	1.07E-03	1.19E-03
1.09E+02	-7.73E-04	9.39E-04	1.33E-03
1.09E+02	-6.77E-04	8.09E-04	1.33E-03
1.09E+02	-5.78E-04	7.59E-04	1.28E-03
1.09E+02	-4.52E-04	7.76E-04	1.14E-03
1.09E+02	-3.28E-04	8.04E-04	9.71E-04
1.09E+02	-2.92E-04	8.94E-04	8.63E-04
1.09E+02	-3.40E-04	9.79E-04	7.69E-04
1.09E+02	-4.62E-04	1.11E-03	7.57E-04
1.09E+02	-6.28E-04	1.28E-03	7.09E-04
1.09E+02	-8.46E-04	1.43E-03	4.78E-04
1.09E+02	-1.15E-03	1.61E-03	2.52E-04
1.09E+02	-1.46E-03	1.86E-03	1.01E-04
1.09E+02	-1.71E-03	2.14E-03	1.91E-06
1.09E+02	-1.98E-03	2.43E-03	-5.76E-05
1.09E+02	-2.21E-03	2.68E-03	-1.35E-04
1.09E+02	-2.35E-03	2.92E-03	-9.73E-05
1.09E+02	-2.43E-03	3.10E-03	9.17E-05
1.09E+02	-2.48E-03	3.17E-03	3.05E-04
1.09E+02	-2.54E-03	3.18E-03	6.07E-04
1.09E+02	-2.57E-03	3.17E-03	1.03E-03
1.09E+02	-2.56E-03	3.11E-03	1.48E-03

1.09E+02	-2.60E-03	3.00E-03	1.91E-03
1.09E+02	-2.68E-03	2.85E-03	2.21E-03
1.09E+02	-2.75E-03	2.73E-03	2.41E-03
1.09E+02	-2.80E-03	2.63E-03	2.52E-03
1.09E+02	-2.82E-03	2.50E-03	2.37E-03
1.09E+02	-2.83E-03	2.36E-03	2.14E-03
1.09E+02	-2.78E-03	2.24E-03	1.92E-03
1.09E+02	-2.61E-03	2.12E-03	1.73E-03
1.09E+02	-2.42E-03	1.97E-03	1.61E-03
1.09E+02	-2.24E-03	1.76E-03	1.43E-03
1.09E+02	-2.00E-03	1.53E-03	1.34E-03
1.09E+02	-1.77E-03	1.36E-03	1.41E-03
1.09E+02	-1.58E-03	1.20E-03	1.44E-03
1.09E+02	-1.45E-03	1.03E-03	1.39E-03
1.09E+02	-1.39E-03	9.21E-04	1.23E-03
1.09E+02	-1.36E-03	8.61E-04	1.01E-03
1.09E+02	-1.39E-03	8.52E-04	8.85E-04
1.09E+02	-1.51E-03	8.75E-04	8.46E-04
1.09E+02	-1.67E-03	9.29E-04	9.17E-04
1.09E+02	-1.85E-03	1.04E-03	1.07E-03
1.09E+02	-2.05E-03	1.15E-03	1.21E-03
1.09E+02	-2.28E-03	1.26E-03	1.34E-03
1.09E+02	-2.50E-03	1.39E-03	1.49E-03
1.09E+02	-2.65E-03	1.58E-03	1.62E-03
1.09E+02	-2.79E-03	1.81E-03	1.69E-03
1.09E+02	-2.96E-03	2.03E-03	1.72E-03
1.09E+02	-3.11E-03	2.25E-03	1.75E-03
1.09E+02	-3.22E-03	2.46E-03	1.85E-03
1.09E+02	-3.33E-03	2.62E-03	1.91E-03
1.09E+02	-3.51E-03	2.70E-03	1.85E-03
1.09E+02	-3.77E-03	2.73E-03	1.74E-03
1.09E+02	-4.04E-03	2.72E-03	1.55E-03
1.09E+02	-4.31E-03	2.68E-03	1.30E-03
1.09E+02	-4.62E-03	2.62E-03	1.05E-03
1.09E+02	-4.93E-03	2.55E-03	8.00E-04
1.09E+02	-5.20E-03	2.51E-03	6.88E-04
1.09E+02	-5.42E-03	2.48E-03	6.28E-04
1.09E+02	-5.60E-03	2.44E-03	5.25E-04
1.09E+02	-5.72E-03	2.40E-03	4.88E-04
1.09E+02	-5.73E-03	2.37E-03	5.27E-04
1.09E+02	-5.67E-03	2.34E-03	5.95E-04
1.09E+02	-5.63E-03	2.26E-03	6.72E-04
1.09E+02	-5.61E-03	2.11E-03	7.54E-04
1.09E+02	-5.54E-03	1.93E-03	8.16E-04
1.09E+02	-5.48E-03	1.69E-03	9.16E-04
1.09E+02	-5.47E-03	1.42E-03	1.08E-03
1.09E+02	-5.50E-03	1.14E-03	1.23E-03

1.09E+02	-5.50E-03	8.75E-04	1.43E-03
1.09E+02	-5.45E-03	7.12E-04	1.71E-03
1.09E+02	-5.41E-03	5.60E-04	1.97E-03
1.09E+02	-5.40E-03	4.10E-04	2.18E-03
1.09E+02	-5.36E-03	3.44E-04	2.33E-03
1.09E+02	-5.29E-03	3.21E-04	2.40E-03
1.09E+02	-5.26E-03	3.40E-04	2.34E-03
1.09E+02	-5.24E-03	3.82E-04	2.15E-03
1.09E+02	-5.15E-03	4.46E-04	1.97E-03
1.09E+02	-5.02E-03	5.70E-04	1.89E-03
1.09E+02	-4.91E-03	7.03E-04	1.80E-03
1.09E+02	-4.82E-03	7.72E-04	1.61E-03
1.09E+02	-4.71E-03	8.34E-04	1.47E-03
1.09E+02	-4.59E-03	9.26E-04	1.40E-03
1.09E+02	-4.48E-03	9.89E-04	1.33E-03
1.09E+02	-4.44E-03	1.06E-03	1.29E-03
1.09E+02	-4.41E-03	1.17E-03	1.27E-03
1.09E+02	-4.37E-03	1.33E-03	1.31E-03
1.09E+02	-4.39E-03	1.49E-03	1.32E-03
1.09E+02	-4.43E-03	1.61E-03	1.26E-03
1.09E+02	-4.44E-03	1.72E-03	1.26E-03
1.09E+02	-4.45E-03	1.83E-03	1.36E-03
1.09E+02	-4.42E-03	1.86E-03	1.46E-03
1.09E+02	-4.35E-03	1.84E-03	1.62E-03
1.09E+02	-4.26E-03	1.78E-03	1.82E-03
1.09E+02	-4.12E-03	1.67E-03	1.97E-03
1.09E+02	-3.95E-03	1.53E-03	2.00E-03
1.09E+02	-3.80E-03	1.32E-03	1.89E-03
1.09E+02	-3.64E-03	1.09E-03	1.68E-03
1.09E+02	-3.44E-03	9.02E-04	1.43E-03
1.09E+02	-3.24E-03	6.96E-04	1.15E-03
1.09E+02	-3.07E-03	5.22E-04	8.77E-04
1.09E+02	-2.92E-03	4.06E-04	6.03E-04
1.09E+02	-2.79E-03	2.95E-04	3.03E-04
1.09E+02	-2.64E-03	2.32E-04	3.11E-05
1.09E+02	-2.55E-03	1.78E-04	-1.82E-04
1.09E+02	-2.45E-03	1.93E-04	-2.36E-04
1.09E+02	-2.34E-03	2.84E-04	-1.70E-04
1.09E+02	-2.27E-03	3.60E-04	-7.53E-05
1.09E+02	-2.18E-03	4.66E-04	1.05E-04
1.09E+02	-2.12E-03	5.64E-04	3.59E-04
1.09E+02	-2.07E-03	6.62E-04	6.81E-04
1.09E+02	-2.03E-03	7.34E-04	1.02E-03
1.09E+02	-2.07E-03	7.04E-04	1.26E-03
1.09E+02	-2.12E-03	6.33E-04	1.38E-03
1.09E+02	-2.19E-03	5.25E-04	1.36E-03
1.09E+02	-2.31E-03	3.50E-04	1.25E-03

1.09E+02	-2.49E-03	1.31E-04	1.16E-03
1.09E+02	-2.75E-03	-6.50E-05	1.19E-03
1.10E+02	-3.02E-03	-2.20E-04	1.28E-03
1.10E+02	-3.33E-03	-3.63E-04	1.36E-03
1.10E+02	-3.71E-03	-5.18E-04	1.38E-03
1.10E+02	-4.09E-03	-6.71E-04	1.34E-03
1.10E+02	-4.45E-03	-7.93E-04	1.31E-03
1.10E+02	-4.79E-03	-9.18E-04	1.28E-03
1.10E+02	-5.11E-03	-1.05E-03	1.19E-03
1.10E+02	-5.42E-03	-1.19E-03	1.10E-03
1.10E+02	-5.66E-03	-1.28E-03	1.09E-03
1.10E+02	-5.82E-03	-1.34E-03	1.08E-03
1.10E+02	-5.99E-03	-1.47E-03	1.10E-03
1.10E+02	-6.14E-03	-1.57E-03	1.21E-03
1.10E+02	-6.27E-03	-1.63E-03	1.44E-03
1.10E+02	-6.32E-03	-1.71E-03	1.62E-03
1.10E+02	-6.28E-03	-1.72E-03	1.69E-03
1.10E+02	-6.31E-03	-1.75E-03	1.81E-03
1.10E+02	-6.25E-03	-1.76E-03	1.92E-03
1.10E+02	-6.14E-03	-1.68E-03	1.96E-03
1.10E+02	-6.07E-03	-1.61E-03	1.92E-03
1.10E+02	-5.99E-03	-1.53E-03	1.87E-03
1.10E+02	-5.93E-03	-1.40E-03	1.87E-03
1.10E+02	-5.88E-03	-1.27E-03	1.79E-03
1.10E+02	-5.84E-03	-1.15E-03	1.68E-03
1.10E+02	-5.89E-03	-1.02E-03	1.68E-03
1.10E+02	-5.95E-03	-8.53E-04	1.75E-03
1.10E+02	-6.03E-03	-6.67E-04	1.80E-03
1.10E+02	-6.17E-03	-4.57E-04	1.76E-03
1.10E+02	-6.30E-03	-2.28E-04	1.62E-03
1.10E+02	-6.42E-03	4.58E-06	1.49E-03
1.10E+02	-6.51E-03	2.13E-04	1.36E-03
1.10E+02	-6.56E-03	3.56E-04	1.23E-03
1.10E+02	-6.59E-03	4.38E-04	1.20E-03
1.10E+02	-6.57E-03	4.81E-04	1.23E-03
1.10E+02	-6.49E-03	4.93E-04	1.28E-03
1.10E+02	-6.41E-03	4.74E-04	1.30E-03
1.10E+02	-6.36E-03	4.28E-04	1.26E-03
1.10E+02	-6.32E-03	3.99E-04	1.25E-03
1.10E+02	-6.28E-03	3.93E-04	1.19E-03
1.10E+02	-6.28E-03	3.62E-04	1.03E-03
1.10E+02	-6.34E-03	3.05E-04	8.81E-04
1.10E+02	-6.43E-03	2.25E-04	7.80E-04
1.10E+02	-6.52E-03	1.16E-04	7.89E-04
1.10E+02	-6.65E-03	-2.94E-05	8.65E-04
1.10E+02	-6.77E-03	-2.49E-04	8.77E-04
1.10E+02	-6.86E-03	-4.96E-04	8.94E-04

1.10E+02	-6.90E-03	-6.93E-04	9.19E-04
1.10E+02	-6.87E-03	-8.47E-04	8.87E-04
1.10E+02	-6.80E-03	-9.50E-04	8.69E-04
1.10E+02	-6.70E-03	-9.84E-04	9.01E-04
1.10E+02	-6.52E-03	-9.52E-04	9.92E-04
1.10E+02	-6.33E-03	-8.82E-04	1.07E-03
1.10E+02	-6.16E-03	-7.94E-04	1.02E-03
1.10E+02	-5.99E-03	-6.37E-04	9.56E-04
1.10E+02	-5.81E-03	-4.13E-04	9.46E-04
1.10E+02	-5.63E-03	-1.45E-04	8.79E-04
1.10E+02	-5.49E-03	1.75E-04	8.24E-04
1.10E+02	-5.40E-03	5.01E-04	7.71E-04
1.10E+02	-5.31E-03	8.37E-04	7.05E-04
1.10E+02	-5.24E-03	1.16E-03	6.56E-04
1.10E+02	-5.24E-03	1.41E-03	5.61E-04
1.10E+02	-5.22E-03	1.62E-03	5.53E-04
1.10E+02	-5.15E-03	1.80E-03	6.59E-04
1.10E+02	-5.04E-03	1.93E-03	7.23E-04
1.10E+02	-4.94E-03	2.01E-03	7.76E-04
1.10E+02	-4.86E-03	2.05E-03	8.45E-04
1.10E+02	-4.73E-03	2.07E-03	8.96E-04
1.10E+02	-4.60E-03	2.05E-03	9.11E-04
1.10E+02	-4.53E-03	1.96E-03	8.04E-04
1.10E+02	-4.47E-03	1.81E-03	6.19E-04
1.10E+02	-4.41E-03	1.66E-03	5.25E-04
1.10E+02	-4.34E-03	1.48E-03	4.62E-04
1.10E+02	-4.30E-03	1.27E-03	4.36E-04
1.10E+02	-4.31E-03	1.02E-03	5.51E-04
1.10E+02	-4.31E-03	8.01E-04	7.12E-04
1.10E+02	-4.32E-03	5.95E-04	9.28E-04
1.10E+02	-4.40E-03	3.65E-04	1.08E-03
1.10E+02	-4.46E-03	1.61E-04	1.12E-03
1.10E+02	-4.47E-03	-9.16E-06	1.25E-03
1.10E+02	-4.41E-03	-1.41E-04	1.37E-03
1.10E+02	-4.31E-03	-2.60E-04	1.43E-03
1.10E+02	-4.20E-03	-3.88E-04	1.57E-03
1.10E+02	-3.99E-03	-4.80E-04	1.66E-03
1.10E+02	-3.73E-03	-5.88E-04	1.66E-03
1.10E+02	-3.49E-03	-7.31E-04	1.54E-03
1.10E+02	-3.23E-03	-8.72E-04	1.31E-03
1.10E+02	-2.97E-03	-9.76E-04	1.15E-03
1.10E+02	-2.74E-03	-1.02E-03	1.04E-03
1.10E+02	-2.57E-03	-1.06E-03	8.95E-04
1.10E+02	-2.49E-03	-1.11E-03	7.88E-04
1.10E+02	-2.50E-03	-1.16E-03	7.15E-04
1.10E+02	-2.55E-03	-1.24E-03	6.30E-04
1.10E+02	-2.65E-03	-1.39E-03	5.13E-04

1.10E+02	-2.78E-03	-1.56E-03	4.11E-04
1.10E+02	-2.85E-03	-1.69E-03	4.30E-04
1.10E+02	-2.87E-03	-1.79E-03	5.05E-04
1.10E+02	-2.85E-03	-1.89E-03	5.17E-04
1.10E+02	-2.83E-03	-1.93E-03	5.45E-04
1.10E+02	-2.80E-03	-1.93E-03	6.03E-04
1.10E+02	-2.70E-03	-1.88E-03	6.60E-04
1.10E+02	-2.64E-03	-1.81E-03	7.51E-04
1.10E+02	-2.58E-03	-1.77E-03	8.44E-04
1.10E+02	-2.51E-03	-1.72E-03	1.04E-03
1.10E+02	-2.43E-03	-1.66E-03	1.29E-03
1.10E+02	-2.36E-03	-1.66E-03	1.47E-03
1.10E+02	-2.38E-03	-1.69E-03	1.65E-03
1.10E+02	-2.44E-03	-1.74E-03	1.72E-03
1.10E+02	-2.49E-03	-1.78E-03	1.71E-03
1.10E+02	-2.60E-03	-1.77E-03	1.72E-03
1.10E+02	-2.72E-03	-1.74E-03	1.64E-03
1.10E+02	-2.83E-03	-1.70E-03	1.57E-03
1.10E+02	-2.96E-03	-1.64E-03	1.54E-03
1.10E+02	-3.11E-03	-1.61E-03	1.44E-03
1.10E+02	-3.34E-03	-1.66E-03	1.31E-03
1.10E+02	-3.64E-03	-1.76E-03	1.13E-03
1.10E+02	-3.90E-03	-1.87E-03	9.77E-04
1.10E+02	-4.19E-03	-2.00E-03	9.12E-04
1.10E+02	-4.51E-03	-2.17E-03	8.29E-04
1.10E+02	-4.78E-03	-2.31E-03	7.59E-04
1.10E+02	-5.03E-03	-2.40E-03	7.26E-04
1.10E+02	-5.23E-03	-2.46E-03	6.46E-04
1.10E+02	-5.38E-03	-2.48E-03	5.23E-04
1.10E+02	-5.50E-03	-2.45E-03	3.65E-04
1.10E+02	-5.52E-03	-2.37E-03	1.74E-04
1.10E+02	-5.47E-03	-2.27E-03	5.72E-07
1.10E+02	-5.41E-03	-2.18E-03	-1.67E-04
1.10E+02	-5.30E-03	-2.13E-03	-2.22E-04
1.10E+02	-5.15E-03	-2.07E-03	-7.78E-05
1.10E+02	-4.98E-03	-2.05E-03	1.63E-04
1.10E+02	-4.85E-03	-2.07E-03	4.87E-04
1.10E+02	-4.75E-03	-2.11E-03	8.27E-04
1.10E+02	-4.63E-03	-2.13E-03	1.06E-03
1.10E+02	-4.51E-03	-2.13E-03	1.19E-03
1.10E+02	-4.43E-03	-2.11E-03	1.19E-03
1.10E+02	-4.35E-03	-2.07E-03	1.11E-03
1.10E+02	-4.26E-03	-2.00E-03	1.05E-03
1.10E+02	-4.14E-03	-1.93E-03	9.98E-04
1.10E+02	-4.04E-03	-1.90E-03	9.29E-04
1.10E+02	-3.97E-03	-1.91E-03	8.74E-04
1.10E+02	-3.90E-03	-1.97E-03	8.15E-04

1.10E+02	-3.80E-03	-2.04E-03	7.56E-04
1.10E+02	-3.72E-03	-2.12E-03	6.68E-04
1.10E+02	-3.63E-03	-2.22E-03	5.86E-04
1.10E+02	-3.51E-03	-2.27E-03	5.76E-04
1.10E+02	-3.36E-03	-2.32E-03	5.98E-04
1.10E+02	-3.22E-03	-2.37E-03	6.38E-04
1.10E+02	-3.12E-03	-2.45E-03	6.78E-04
1.10E+02	-3.00E-03	-2.55E-03	6.89E-04
1.10E+02	-2.86E-03	-2.65E-03	6.72E-04
1.10E+02	-2.76E-03	-2.74E-03	5.65E-04
1.10E+02	-2.65E-03	-2.80E-03	3.93E-04
1.10E+02	-2.53E-03	-2.78E-03	2.84E-04
1.10E+02	-2.39E-03	-2.72E-03	1.67E-04
1.10E+02	-2.25E-03	-2.68E-03	-5.15E-06
1.10E+02	-2.17E-03	-2.65E-03	-1.70E-04
1.10E+02	-2.08E-03	-2.63E-03	-3.72E-04
1.10E+02	-1.97E-03	-2.63E-03	-5.78E-04
1.10E+02	-1.92E-03	-2.65E-03	-7.98E-04
1.10E+02	-1.84E-03	-2.72E-03	-1.02E-03
1.10E+02	-1.75E-03	-2.79E-03	-1.11E-03
1.10E+02	-1.66E-03	-2.85E-03	-1.10E-03
1.10E+02	-1.55E-03	-2.93E-03	-1.02E-03
1.10E+02	-1.48E-03	-3.04E-03	-8.71E-04
1.10E+02	-1.41E-03	-3.13E-03	-7.35E-04
1.10E+02	-1.30E-03	-3.20E-03	-6.12E-04
1.10E+02	-1.21E-03	-3.26E-03	-5.37E-04
1.10E+02	-1.15E-03	-3.32E-03	-5.41E-04
1.10E+02	-1.08E-03	-3.32E-03	-4.70E-04
1.10E+02	-9.91E-04	-3.29E-03	-3.03E-04
1.10E+02	-9.13E-04	-3.27E-03	-1.67E-04
1.10E+02	-9.07E-04	-3.26E-03	1.37E-05
1.10E+02	-9.40E-04	-3.24E-03	1.92E-04
1.10E+02	-9.69E-04	-3.23E-03	2.55E-04
1.10E+02	-1.05E-03	-3.20E-03	2.61E-04
1.10E+02	-1.15E-03	-3.21E-03	1.40E-04
1.10E+02	-1.20E-03	-3.20E-03	3.78E-05
1.10E+02	-1.20E-03	-3.13E-03	5.15E-05
1.10E+02	-1.16E-03	-3.06E-03	1.91E-06
1.10E+02	-1.10E-03	-2.97E-03	-3.30E-05
1.10E+02	-1.02E-03	-2.87E-03	-6.68E-05
1.10E+02	-8.60E-04	-2.77E-03	-1.11E-04
1.10E+02	-6.69E-04	-2.66E-03	-5.59E-05
1.10E+02	-4.87E-04	-2.56E-03	-4.71E-05
1.10E+02	-2.69E-04	-2.43E-03	-3.05E-05
1.10E+02	-6.48E-06	-2.24E-03	5.26E-05
1.10E+02	2.97E-04	-2.07E-03	7.34E-05
1.10E+02	5.91E-04	-1.93E-03	1.44E-04

1.10E+02	8.63E-04	-1.81E-03	2.88E-04
1.10E+02	1.19E-03	-1.70E-03	4.17E-04
1.10E+02	1.50E-03	-1.63E-03	5.01E-04
1.10E+02	1.75E-03	-1.62E-03	4.74E-04
1.10E+02	2.00E-03	-1.65E-03	4.09E-04
1.10E+02	2.18E-03	-1.69E-03	3.83E-04
1.10E+02	2.30E-03	-1.76E-03	3.60E-04
1.10E+02	2.34E-03	-1.85E-03	3.95E-04
1.10E+02	2.28E-03	-1.95E-03	5.26E-04
1.10E+02	2.21E-03	-2.02E-03	6.95E-04
1.10E+02	2.10E-03	-2.06E-03	8.76E-04
1.10E+02	1.94E-03	-2.12E-03	9.48E-04
1.10E+02	1.77E-03	-2.20E-03	8.97E-04
1.10E+02	1.62E-03	-2.27E-03	8.87E-04
1.11E+02	1.51E-03	-2.34E-03	8.62E-04
1.11E+02	1.42E-03	-2.41E-03	8.13E-04
1.11E+02	1.32E-03	-2.47E-03	7.99E-04
1.11E+02	1.27E-03	-2.54E-03	7.23E-04
1.11E+02	1.26E-03	-2.60E-03	5.98E-04
1.11E+02	1.20E-03	-2.71E-03	4.21E-04
1.11E+02	1.17E-03	-2.86E-03	2.25E-04
1.11E+02	1.13E-03	-2.99E-03	1.45E-04
1.11E+02	1.06E-03	-3.09E-03	5.19E-05
1.11E+02	9.44E-04	-3.20E-03	-8.43E-05
1.11E+02	7.54E-04	-3.28E-03	-1.41E-04
1.11E+02	5.99E-04	-3.34E-03	-1.92E-04
1.11E+02	4.97E-04	-3.36E-03	-2.12E-04
1.11E+02	3.89E-04	-3.36E-03	-1.72E-04
1.11E+02	3.30E-04	-3.38E-03	-6.43E-05
1.11E+02	3.14E-04	-3.36E-03	1.68E-04
1.11E+02	3.40E-04	-3.35E-03	3.75E-04
1.11E+02	3.73E-04	-3.39E-03	4.91E-04
1.11E+02	3.61E-04	-3.46E-03	6.06E-04
1.11E+02	3.53E-04	-3.52E-03	7.60E-04
1.11E+02	3.38E-04	-3.55E-03	9.65E-04
1.11E+02	2.68E-04	-3.56E-03	1.12E-03
1.11E+02	1.58E-04	-3.56E-03	1.15E-03
1.11E+02	4.10E-05	-3.52E-03	1.17E-03
1.11E+02	-9.56E-05	-3.51E-03	1.16E-03
1.11E+02	-2.83E-04	-3.57E-03	1.04E-03
1.11E+02	-5.21E-04	-3.64E-03	9.35E-04
1.11E+02	-7.52E-04	-3.74E-03	8.53E-04
1.11E+02	-9.07E-04	-3.87E-03	8.13E-04
1.11E+02	-1.03E-03	-4.00E-03	8.15E-04
1.11E+02	-1.10E-03	-4.18E-03	7.30E-04
1.11E+02	-1.07E-03	-4.35E-03	6.32E-04
1.11E+02	-9.70E-04	-4.51E-03	5.29E-04

1.11E+02	-7.97E-04	-4.69E-03	3.89E-04
1.11E+02	-6.38E-04	-4.86E-03	3.35E-04
1.11E+02	-4.70E-04	-5.02E-03	3.18E-04
1.11E+02	-2.53E-04	-5.17E-03	2.98E-04
1.11E+02	-9.65E-05	-5.35E-03	2.97E-04
1.11E+02	1.43E-05	-5.59E-03	2.30E-04
1.11E+02	1.32E-04	-5.83E-03	1.83E-04
1.11E+02	2.28E-04	-6.05E-03	2.00E-04
1.11E+02	3.30E-04	-6.25E-03	1.72E-04
1.11E+02	4.17E-04	-6.41E-03	1.87E-04
1.11E+02	4.91E-04	-6.51E-03	2.38E-04
1.11E+02	6.30E-04	-6.56E-03	2.92E-04
1.11E+02	7.90E-04	-6.55E-03	4.31E-04
1.11E+02	9.22E-04	-6.52E-03	5.09E-04
1.11E+02	1.05E-03	-6.49E-03	5.31E-04
1.11E+02	1.17E-03	-6.38E-03	5.71E-04
1.11E+02	1.29E-03	-6.25E-03	4.90E-04
1.11E+02	1.38E-03	-6.10E-03	4.28E-04
1.11E+02	1.44E-03	-5.88E-03	5.18E-04
1.11E+02	1.55E-03	-5.62E-03	6.61E-04
1.11E+02	1.68E-03	-5.32E-03	8.57E-04
1.11E+02	1.76E-03	-5.02E-03	9.60E-04
1.11E+02	1.86E-03	-4.78E-03	8.95E-04
1.11E+02	2.02E-03	-4.52E-03	7.80E-04
1.11E+02	2.23E-03	-4.25E-03	5.25E-04
1.11E+02	2.47E-03	-4.00E-03	1.99E-04
1.11E+02	2.75E-03	-3.71E-03	-2.99E-05
1.11E+02	3.10E-03	-3.43E-03	-1.92E-04
1.11E+02	3.51E-03	-3.17E-03	-2.36E-04
1.11E+02	3.87E-03	-2.96E-03	-1.92E-04
1.11E+02	4.20E-03	-2.87E-03	-1.78E-04
1.11E+02	4.52E-03	-2.83E-03	-1.44E-04
1.11E+02	4.81E-03	-2.89E-03	-1.59E-04
1.11E+02	5.06E-03	-3.05E-03	-2.75E-04
1.11E+02	5.25E-03	-3.22E-03	-3.58E-04
1.11E+02	5.45E-03	-3.35E-03	-3.56E-04
1.11E+02	5.65E-03	-3.42E-03	-2.97E-04
1.11E+02	5.80E-03	-3.48E-03	-2.91E-04
1.11E+02	5.94E-03	-3.55E-03	-3.59E-04
1.11E+02	6.11E-03	-3.59E-03	-3.52E-04
1.11E+02	6.31E-03	-3.60E-03	-3.13E-04
1.11E+02	6.50E-03	-3.66E-03	-3.25E-04
1.11E+02	6.67E-03	-3.68E-03	-2.98E-04
1.11E+02	6.86E-03	-3.66E-03	-2.37E-04
1.11E+02	7.08E-03	-3.60E-03	-1.75E-04
1.11E+02	7.22E-03	-3.52E-03	-1.27E-04
1.11E+02	7.30E-03	-3.49E-03	-1.34E-04

1.11E+02	7.33E-03	-3.44E-03	-9.92E-05
1.11E+02	7.30E-03	-3.37E-03	-6.81E-05
1.11E+02	7.19E-03	-3.34E-03	-1.45E-04
1.11E+02	6.98E-03	-3.30E-03	-2.04E-04
1.11E+02	6.72E-03	-3.28E-03	-2.61E-04
1.11E+02	6.46E-03	-3.24E-03	-3.42E-04
1.11E+02	6.16E-03	-3.20E-03	-4.61E-04
1.11E+02	5.84E-03	-3.20E-03	-6.90E-04
1.11E+02	5.58E-03	-3.17E-03	-9.06E-04
1.11E+02	5.40E-03	-3.12E-03	-1.13E-03
1.11E+02	5.25E-03	-3.09E-03	-1.43E-03
1.11E+02	5.14E-03	-3.04E-03	-1.66E-03
1.11E+02	5.06E-03	-2.97E-03	-1.82E-03
1.11E+02	5.03E-03	-2.88E-03	-1.91E-03
1.11E+02	4.98E-03	-2.78E-03	-1.95E-03
1.11E+02	4.84E-03	-2.72E-03	-1.97E-03
1.11E+02	4.70E-03	-2.66E-03	-1.87E-03
1.11E+02	4.52E-03	-2.60E-03	-1.61E-03
1.11E+02	4.29E-03	-2.58E-03	-1.36E-03
1.11E+02	4.01E-03	-2.60E-03	-1.15E-03
1.11E+02	3.68E-03	-2.60E-03	-9.59E-04
1.11E+02	3.39E-03	-2.55E-03	-8.01E-04
1.11E+02	3.10E-03	-2.47E-03	-7.22E-04
1.11E+02	2.82E-03	-2.39E-03	-7.83E-04
1.11E+02	2.61E-03	-2.30E-03	-9.13E-04
1.11E+02	2.45E-03	-2.21E-03	-1.07E-03
1.11E+02	2.39E-03	-2.16E-03	-1.28E-03
1.11E+02	2.33E-03	-2.15E-03	-1.47E-03
1.11E+02	2.30E-03	-2.16E-03	-1.64E-03
1.11E+02	2.36E-03	-2.16E-03	-1.82E-03
1.11E+02	2.44E-03	-2.16E-03	-1.95E-03
1.11E+02	2.51E-03	-2.15E-03	-2.09E-03
1.11E+02	2.62E-03	-2.10E-03	-2.16E-03
1.11E+02	2.76E-03	-1.94E-03	-2.16E-03
1.11E+02	2.94E-03	-1.76E-03	-2.25E-03
1.11E+02	3.09E-03	-1.56E-03	-2.37E-03
1.11E+02	3.18E-03	-1.30E-03	-2.44E-03
1.11E+02	3.31E-03	-1.01E-03	-2.50E-03
1.11E+02	3.39E-03	-6.81E-04	-2.51E-03
1.11E+02	3.40E-03	-3.78E-04	-2.54E-03
1.11E+02	3.40E-03	-1.19E-04	-2.59E-03
1.11E+02	3.39E-03	1.47E-04	-2.55E-03
1.11E+02	3.38E-03	4.01E-04	-2.50E-03
1.11E+02	3.35E-03	6.34E-04	-2.43E-03
1.11E+02	3.31E-03	8.77E-04	-2.23E-03
1.11E+02	3.31E-03	1.11E-03	-1.96E-03
1.11E+02	3.33E-03	1.31E-03	-1.66E-03

1.11E+02	3.32E-03	1.46E-03	-1.45E-03
1.11E+02	3.32E-03	1.54E-03	-1.37E-03
1.11E+02	3.33E-03	1.59E-03	-1.33E-03
1.11E+02	3.34E-03	1.58E-03	-1.41E-03
1.11E+02	3.31E-03	1.48E-03	-1.60E-03
1.11E+02	3.23E-03	1.38E-03	-1.70E-03
1.11E+02	3.16E-03	1.26E-03	-1.67E-03
1.11E+02	3.10E-03	1.11E-03	-1.52E-03
1.11E+02	3.03E-03	9.54E-04	-1.32E-03
1.11E+02	2.95E-03	7.40E-04	-1.19E-03
1.11E+02	2.92E-03	5.56E-04	-1.05E-03
1.11E+02	2.95E-03	4.00E-04	-9.84E-04
1.11E+02	3.00E-03	2.41E-04	-1.05E-03
1.11E+02	3.02E-03	1.18E-04	-1.19E-03
1.11E+02	3.05E-03	2.96E-05	-1.37E-03
1.11E+02	3.09E-03	-2.35E-05	-1.50E-03
1.11E+02	3.06E-03	-8.03E-05	-1.56E-03
1.11E+02	3.00E-03	-1.73E-04	-1.61E-03
1.11E+02	2.93E-03	-2.70E-04	-1.58E-03
1.11E+02	2.85E-03	-3.66E-04	-1.55E-03
1.11E+02	2.78E-03	-4.78E-04	-1.61E-03
1.11E+02	2.71E-03	-5.69E-04	-1.63E-03
1.11E+02	2.69E-03	-6.07E-04	-1.60E-03
1.11E+02	2.77E-03	-6.04E-04	-1.54E-03
1.11E+02	2.89E-03	-5.96E-04	-1.47E-03
1.11E+02	3.04E-03	-6.53E-04	-1.51E-03
1.11E+02	3.29E-03	-7.31E-04	-1.50E-03
1.11E+02	3.62E-03	-7.95E-04	-1.42E-03
1.11E+02	4.00E-03	-8.90E-04	-1.37E-03
1.11E+02	4.38E-03	-9.80E-04	-1.30E-03
1.11E+02	4.75E-03	-1.05E-03	-1.28E-03
1.11E+02	5.10E-03	-1.09E-03	-1.33E-03
1.11E+02	5.36E-03	-1.11E-03	-1.41E-03
1.11E+02	5.50E-03	-1.14E-03	-1.54E-03
1.11E+02	5.57E-03	-1.17E-03	-1.64E-03
1.11E+02	5.58E-03	-1.18E-03	-1.62E-03
1.11E+02	5.53E-03	-1.24E-03	-1.59E-03
1.11E+02	5.40E-03	-1.33E-03	-1.56E-03
1.11E+02	5.25E-03	-1.44E-03	-1.52E-03
1.11E+02	5.14E-03	-1.54E-03	-1.53E-03
1.11E+02	5.02E-03	-1.64E-03	-1.61E-03
1.11E+02	4.90E-03	-1.76E-03	-1.80E-03
1.11E+02	4.85E-03	-1.87E-03	-2.00E-03
1.11E+02	4.89E-03	-1.92E-03	-2.08E-03
1.11E+02	5.01E-03	-1.95E-03	-2.11E-03
1.11E+02	5.16E-03	-1.97E-03	-2.04E-03
1.11E+02	5.34E-03	-1.96E-03	-1.85E-03

1.11E+02	5.57E-03	-1.93E-03	-1.67E-03
1.11E+02	5.80E-03	-1.90E-03	-1.58E-03
1.11E+02	5.98E-03	-1.84E-03	-1.63E-03
1.11E+02	6.12E-03	-1.76E-03	-1.79E-03
1.11E+02	6.22E-03	-1.62E-03	-1.96E-03
1.11E+02	6.30E-03	-1.46E-03	-2.13E-03
1.11E+02	6.27E-03	-1.31E-03	-2.26E-03
1.11E+02	6.20E-03	-1.15E-03	-2.28E-03
1.11E+02	6.13E-03	-9.94E-04	-2.21E-03
1.11E+02	6.00E-03	-8.42E-04	-2.12E-03
1.11E+02	5.82E-03	-7.20E-04	-2.13E-03
1.11E+02	5.60E-03	-6.07E-04	-2.25E-03
1.11E+02	5.39E-03	-4.57E-04	-2.39E-03
1.11E+02	5.22E-03	-2.94E-04	-2.56E-03
1.11E+02	5.03E-03	-1.46E-04	-2.77E-03
1.11E+02	4.87E-03	-1.34E-05	-2.90E-03
1.11E+02	4.78E-03	9.59E-05	-2.92E-03
1.11E+02	4.75E-03	1.52E-04	-2.86E-03
1.11E+02	4.71E-03	1.19E-04	-2.77E-03
1.11E+02	4.67E-03	9.16E-06	-2.68E-03
1.11E+02	4.67E-03	-1.00E-04	-2.48E-03
1.11E+02	4.66E-03	-2.00E-04	-2.26E-03
1.11E+02	4.62E-03	-3.01E-04	-2.12E-03
1.11E+02	4.55E-03	-3.45E-04	-1.96E-03
1.11E+02	4.49E-03	-3.25E-04	-1.83E-03
1.11E+02	4.43E-03	-2.64E-04	-1.77E-03
1.12E+02	4.32E-03	-1.85E-04	-1.74E-03
1.12E+02	4.20E-03	-1.16E-04	-1.78E-03
1.12E+02	4.10E-03	-4.29E-05	-1.78E-03
1.12E+02	4.00E-03	1.66E-05	-1.78E-03
1.12E+02	3.91E-03	2.71E-05	-1.85E-03
1.12E+02	3.78E-03	2.42E-05	-1.90E-03
1.12E+02	3.69E-03	4.48E-05	-1.97E-03
1.12E+02	3.65E-03	9.17E-05	-2.05E-03
1.12E+02	3.61E-03	1.41E-04	-2.09E-03
1.12E+02	3.58E-03	1.72E-04	-2.14E-03
1.12E+02	3.58E-03	2.17E-04	-2.12E-03
1.12E+02	3.59E-03	2.74E-04	-1.99E-03
1.12E+02	3.62E-03	3.16E-04	-1.83E-03
1.12E+02	3.61E-03	3.70E-04	-1.62E-03
1.12E+02	3.58E-03	4.61E-04	-1.36E-03
1.12E+02	3.57E-03	5.91E-04	-1.14E-03
1.12E+02	3.54E-03	7.41E-04	-1.01E-03
1.12E+02	3.47E-03	8.78E-04	-9.54E-04
1.12E+02	3.43E-03	1.02E-03	-9.41E-04
1.12E+02	3.42E-03	1.17E-03	-9.15E-04
1.12E+02	3.41E-03	1.29E-03	-9.11E-04

1.12E+02	3.40E-03	1.37E-03	-8.96E-04
1.12E+02	3.38E-03	1.46E-03	-8.26E-04
1.12E+02	3.41E-03	1.53E-03	-7.09E-04
1.12E+02	3.42E-03	1.59E-03	-5.37E-04
1.12E+02	3.35E-03	1.56E-03	-4.34E-04
1.12E+02	3.25E-03	1.47E-03	-4.23E-04
1.12E+02	3.11E-03	1.34E-03	-4.32E-04
1.12E+02	2.94E-03	1.14E-03	-5.63E-04
1.12E+02	2.71E-03	9.05E-04	-7.55E-04
1.12E+02	2.46E-03	6.69E-04	-8.81E-04
1.12E+02	2.27E-03	4.71E-04	-9.16E-04
1.12E+02	2.10E-03	3.00E-04	-8.51E-04
1.12E+02	1.92E-03	1.18E-04	-8.40E-04
1.12E+02	1.81E-03	-5.11E-05	-8.75E-04
1.12E+02	1.76E-03	-1.74E-04	-8.61E-04
1.12E+02	1.75E-03	-2.84E-04	-9.20E-04
1.12E+02	1.73E-03	-3.98E-04	-1.06E-03
1.12E+02	1.72E-03	-4.72E-04	-1.20E-03
1.12E+02	1.73E-03	-4.87E-04	-1.33E-03
1.12E+02	1.73E-03	-4.69E-04	-1.44E-03
1.12E+02	1.66E-03	-4.62E-04	-1.52E-03
1.12E+02	1.56E-03	-4.62E-04	-1.50E-03
1.12E+02	1.47E-03	-4.39E-04	-1.28E-03
1.12E+02	1.36E-03	-4.24E-04	-9.98E-04
1.12E+02	1.20E-03	-4.34E-04	-7.35E-04
1.12E+02	1.04E-03	-4.17E-04	-4.85E-04
1.12E+02	9.31E-04	-3.48E-04	-3.21E-04
1.12E+02	8.58E-04	-2.34E-04	-2.18E-04
1.12E+02	7.91E-04	-1.11E-04	-1.63E-04
1.12E+02	7.52E-04	-8.58E-06	-2.09E-04
1.12E+02	7.59E-04	1.09E-04	-2.37E-04
1.12E+02	7.95E-04	2.14E-04	-2.08E-04
1.12E+02	7.87E-04	2.63E-04	-1.38E-04
1.12E+02	7.18E-04	2.89E-04	-1.47E-05
1.12E+02	6.32E-04	3.24E-04	4.43E-05
1.12E+02	5.31E-04	3.86E-04	1.81E-05
1.12E+02	3.81E-04	4.55E-04	-9.14E-05
1.12E+02	2.18E-04	5.54E-04	-2.69E-04
1.12E+02	1.15E-04	7.32E-04	-3.77E-04
1.12E+02	5.99E-05	9.41E-04	-4.54E-04
1.12E+02	1.18E-05	1.10E-03	-5.68E-04
1.12E+02	-4.71E-05	1.20E-03	-6.31E-04
1.12E+02	-7.32E-05	1.25E-03	-6.81E-04
1.12E+02	-5.55E-05	1.24E-03	-7.22E-04
1.12E+02	-5.65E-05	1.24E-03	-7.01E-04
1.12E+02	-6.85E-05	1.22E-03	-7.00E-04
1.12E+02	-6.87E-05	1.23E-03	-6.19E-04

1.12E+02	-4.81E-05	1.32E-03	-4.29E-04
1.12E+02	-4.83E-05	1.41E-03	-2.83E-04
1.12E+02	-1.30E-04	1.53E-03	-1.42E-04
1.12E+02	-2.29E-04	1.65E-03	-6.29E-05
1.12E+02	-3.12E-04	1.75E-03	-5.74E-05
1.12E+02	-4.39E-04	1.87E-03	-2.73E-05
1.12E+02	-5.87E-04	1.98E-03	-1.85E-05
1.12E+02	-7.19E-04	2.11E-03	4.60E-05
1.12E+02	-8.54E-04	2.27E-03	1.68E-04
1.12E+02	-9.83E-04	2.41E-03	2.05E-04
1.12E+02	-1.12E-03	2.54E-03	2.08E-04
1.12E+02	-1.22E-03	2.68E-03	1.97E-04
1.12E+02	-1.23E-03	2.85E-03	2.01E-04
1.12E+02	-1.18E-03	3.03E-03	3.05E-04
1.12E+02	-1.11E-03	3.16E-03	3.98E-04
1.12E+02	-9.50E-04	3.25E-03	4.71E-04
1.12E+02	-7.27E-04	3.32E-03	5.66E-04
1.12E+02	-4.92E-04	3.34E-03	6.02E-04
1.12E+02	-2.65E-04	3.32E-03	6.29E-04
1.12E+02	-5.99E-05	3.30E-03	6.44E-04
1.12E+02	1.66E-04	3.29E-03	6.17E-04
1.12E+02	3.50E-04	3.33E-03	5.50E-04
1.12E+02	4.67E-04	3.36E-03	3.92E-04
1.12E+02	5.89E-04	3.41E-03	2.92E-04
1.12E+02	7.22E-04	3.50E-03	3.27E-04
1.12E+02	8.74E-04	3.52E-03	3.94E-04
1.12E+02	1.00E-03	3.48E-03	5.33E-04
1.12E+02	1.10E-03	3.43E-03	7.22E-04
1.12E+02	1.26E-03	3.40E-03	8.54E-04
1.12E+02	1.41E-03	3.38E-03	9.01E-04
1.12E+02	1.54E-03	3.35E-03	8.37E-04
1.12E+02	1.69E-03	3.35E-03	7.08E-04
1.12E+02	1.82E-03	3.36E-03	5.92E-04
1.12E+02	1.93E-03	3.35E-03	4.66E-04
1.12E+02	1.98E-03	3.35E-03	3.74E-04
1.12E+02	1.94E-03	3.34E-03	3.93E-04
1.12E+02	1.88E-03	3.31E-03	5.16E-04
1.12E+02	1.77E-03	3.23E-03	7.29E-04
1.12E+02	1.57E-03	3.11E-03	9.14E-04
1.12E+02	1.31E-03	2.96E-03	9.84E-04
1.12E+02	1.02E-03	2.82E-03	1.01E-03
1.12E+02	7.22E-04	2.71E-03	1.01E-03
1.12E+02	3.99E-04	2.59E-03	9.86E-04
1.12E+02	6.56E-05	2.50E-03	1.02E-03
1.12E+02	-1.96E-04	2.45E-03	1.12E-03
1.12E+02	-3.98E-04	2.41E-03	1.25E-03
1.12E+02	-5.91E-04	2.35E-03	1.37E-03

1.12E+02	-7.38E-04	2.25E-03	1.39E-03
1.12E+02	-7.95E-04	2.15E-03	1.38E-03
1.12E+02	-7.77E-04	2.08E-03	1.36E-03
1.12E+02	-7.36E-04	2.01E-03	1.31E-03
1.12E+02	-6.84E-04	1.99E-03	1.29E-03
1.12E+02	-5.58E-04	2.04E-03	1.25E-03
1.12E+02	-3.52E-04	2.16E-03	1.24E-03
1.12E+02	-1.40E-04	2.34E-03	1.25E-03
1.12E+02	5.59E-05	2.51E-03	1.19E-03
1.12E+02	2.58E-04	2.67E-03	1.16E-03
1.12E+02	4.50E-04	2.79E-03	1.11E-03
1.12E+02	5.98E-04	2.83E-03	1.00E-03
1.12E+02	6.54E-04	2.81E-03	9.44E-04
1.12E+02	6.63E-04	2.75E-03	9.67E-04
1.12E+02	6.96E-04	2.68E-03	1.09E-03
1.12E+02	6.45E-04	2.56E-03	1.21E-03
1.12E+02	5.35E-04	2.39E-03	1.29E-03
1.12E+02	4.64E-04	2.27E-03	1.45E-03
1.12E+02	3.79E-04	2.15E-03	1.63E-03
1.12E+02	2.78E-04	2.02E-03	1.75E-03
1.12E+02	1.14E-04	1.93E-03	1.89E-03
1.12E+02	-9.71E-05	1.87E-03	1.98E-03
1.12E+02	-2.74E-04	1.84E-03	1.99E-03
1.12E+02	-4.90E-04	1.82E-03	1.95E-03
1.12E+02	-7.40E-04	1.80E-03	1.86E-03
1.12E+02	-9.58E-04	1.83E-03	1.78E-03
1.12E+02	-1.15E-03	1.93E-03	1.74E-03
1.12E+02	-1.31E-03	2.04E-03	1.69E-03
1.12E+02	-1.48E-03	2.16E-03	1.70E-03
1.12E+02	-1.65E-03	2.28E-03	1.76E-03
1.12E+02	-1.78E-03	2.43E-03	1.80E-03
1.12E+02	-1.89E-03	2.61E-03	1.81E-03
1.12E+02	-2.02E-03	2.79E-03	1.69E-03
1.12E+02	-2.10E-03	2.99E-03	1.57E-03
1.12E+02	-2.08E-03	3.24E-03	1.56E-03
1.12E+02	-2.02E-03	3.48E-03	1.54E-03
1.12E+02	-1.96E-03	3.71E-03	1.58E-03
1.12E+02	-1.89E-03	3.90E-03	1.67E-03
1.12E+02	-1.81E-03	4.03E-03	1.74E-03
1.12E+02	-1.77E-03	4.12E-03	1.79E-03
1.12E+02	-1.78E-03	4.13E-03	1.78E-03
1.12E+02	-1.80E-03	4.13E-03	1.86E-03
1.12E+02	-1.81E-03	4.17E-03	2.09E-03
1.12E+02	-1.77E-03	4.20E-03	2.37E-03
1.12E+02	-1.76E-03	4.19E-03	2.70E-03
1.12E+02	-1.77E-03	4.14E-03	2.94E-03
1.12E+02	-1.75E-03	4.05E-03	3.06E-03

1.12E+02	-1.75E-03	3.92E-03	3.03E-03
1.12E+02	-1.81E-03	3.71E-03	2.80E-03
1.12E+02	-1.89E-03	3.43E-03	2.47E-03
1.12E+02	-1.97E-03	3.18E-03	2.15E-03
1.12E+02	-2.08E-03	2.90E-03	1.81E-03
1.12E+02	-2.24E-03	2.62E-03	1.54E-03
1.12E+02	-2.44E-03	2.40E-03	1.35E-03
1.12E+02	-2.61E-03	2.19E-03	1.21E-03
1.12E+02	-2.74E-03	2.05E-03	1.08E-03
1.12E+02	-2.87E-03	1.93E-03	8.89E-04
1.12E+02	-2.99E-03	1.83E-03	7.37E-04
1.12E+02	-3.04E-03	1.82E-03	7.09E-04
1.12E+02	-3.04E-03	1.83E-03	7.11E-04
1.12E+02	-3.00E-03	1.87E-03	7.10E-04
1.12E+02	-2.96E-03	1.91E-03	6.95E-04
1.12E+02	-2.86E-03	1.92E-03	6.95E-04
1.12E+02	-2.71E-03	1.98E-03	7.13E-04
1.12E+02	-2.56E-03	2.04E-03	6.92E-04
1.12E+02	-2.38E-03	2.11E-03	6.78E-04
1.12E+02	-2.15E-03	2.25E-03	7.79E-04
1.12E+02	-1.88E-03	2.43E-03	9.26E-04
1.12E+02	-1.61E-03	2.62E-03	1.01E-03
1.12E+02	-1.43E-03	2.80E-03	1.09E-03
1.12E+02	-1.29E-03	2.98E-03	1.08E-03
1.12E+02	-1.18E-03	3.15E-03	9.91E-04
1.12E+02	-1.17E-03	3.30E-03	8.74E-04
1.12E+02	-1.23E-03	3.42E-03	6.90E-04
1.12E+02	-1.30E-03	3.55E-03	6.06E-04
1.12E+02	-1.42E-03	3.69E-03	6.40E-04
1.12E+02	-1.59E-03	3.77E-03	6.81E-04
1.12E+02	-1.86E-03	3.83E-03	8.15E-04
1.12E+02	-2.16E-03	3.88E-03	1.01E-03
1.12E+02	-2.43E-03	3.92E-03	1.22E-03
1.12E+02	-2.71E-03	3.95E-03	1.42E-03
1.12E+02	-3.01E-03	3.92E-03	1.47E-03
1.12E+02	-3.24E-03	3.87E-03	1.52E-03
1.12E+02	-3.37E-03	3.83E-03	1.66E-03
1.12E+02	-3.46E-03	3.74E-03	1.77E-03
1.13E+02	-3.55E-03	3.63E-03	1.85E-03
1.13E+02	-3.61E-03	3.52E-03	1.86E-03
1.13E+02	-3.63E-03	3.41E-03	1.75E-03
1.13E+02	-3.64E-03	3.31E-03	1.53E-03
1.13E+02	-3.68E-03	3.21E-03	1.20E-03
1.13E+02	-3.72E-03	3.14E-03	8.84E-04
1.13E+02	-3.72E-03	3.13E-03	6.81E-04
1.13E+02	-3.70E-03	3.14E-03	5.02E-04
1.13E+02	-3.71E-03	3.13E-03	3.84E-04

1.13E+02	-3.74E-03	3.13E-03	3.43E-04
1.13E+02	-3.70E-03	3.14E-03	2.91E-04
1.13E+02	-3.63E-03	3.15E-03	2.22E-04
1.13E+02	-3.57E-03	3.12E-03	4.41E-05
1.13E+02	-3.49E-03	3.07E-03	-2.30E-04
1.13E+02	-3.38E-03	3.09E-03	-4.34E-04
1.13E+02	-3.24E-03	3.16E-03	-5.71E-04
1.13E+02	-3.11E-03	3.23E-03	-6.08E-04
1.13E+02	-3.02E-03	3.33E-03	-5.04E-04
1.13E+02	-2.88E-03	3.42E-03	-3.23E-04
1.13E+02	-2.73E-03	3.50E-03	-6.10E-06
1.13E+02	-2.59E-03	3.57E-03	3.69E-04
1.13E+02	-2.43E-03	3.60E-03	7.11E-04
1.13E+02	-2.27E-03	3.64E-03	1.08E-03
1.13E+02	-2.11E-03	3.67E-03	1.36E-03
1.13E+02	-1.98E-03	3.66E-03	1.49E-03
1.13E+02	-1.91E-03	3.60E-03	1.51E-03
1.13E+02	-1.86E-03	3.52E-03	1.48E-03
1.13E+02	-1.85E-03	3.43E-03	1.44E-03
1.13E+02	-1.94E-03	3.30E-03	1.32E-03
1.13E+02	-2.09E-03	3.15E-03	1.13E-03
1.13E+02	-2.24E-03	3.05E-03	9.57E-04
1.13E+02	-2.40E-03	2.98E-03	7.62E-04
1.13E+02	-2.56E-03	2.95E-03	5.51E-04
1.13E+02	-2.73E-03	2.98E-03	4.20E-04
1.13E+02	-2.86E-03	3.05E-03	3.68E-04
1.13E+02	-2.93E-03	3.16E-03	3.81E-04
1.13E+02	-3.03E-03	3.26E-03	3.87E-04
1.13E+02	-3.11E-03	3.34E-03	3.30E-04
1.13E+02	-3.11E-03	3.45E-03	3.19E-04
1.13E+02	-3.08E-03	3.60E-03	2.97E-04
1.13E+02	-3.01E-03	3.77E-03	1.94E-04
1.13E+02	-2.95E-03	3.99E-03	1.24E-04
1.13E+02	-2.83E-03	4.25E-03	9.06E-05
1.13E+02	-2.66E-03	4.54E-03	9.56E-05
1.13E+02	-2.52E-03	4.80E-03	1.31E-04
1.13E+02	-2.39E-03	4.99E-03	1.55E-04
1.13E+02	-2.24E-03	5.16E-03	2.49E-04
1.13E+02	-2.11E-03	5.32E-03	4.00E-04
1.13E+02	-1.98E-03	5.46E-03	5.36E-04
1.13E+02	-1.90E-03	5.58E-03	7.12E-04
1.13E+02	-1.86E-03	5.70E-03	8.91E-04
1.13E+02	-1.84E-03	5.80E-03	1.04E-03
1.13E+02	-1.94E-03	5.85E-03	1.14E-03
1.13E+02	-2.12E-03	5.86E-03	1.13E-03
1.13E+02	-2.38E-03	5.83E-03	1.11E-03
1.13E+02	-2.68E-03	5.80E-03	1.06E-03

1.13E+02	-2.94E-03	5.74E-03	9.09E-04
1.13E+02	-3.24E-03	5.64E-03	7.80E-04
1.13E+02	-3.51E-03	5.55E-03	6.30E-04
1.13E+02	-3.67E-03	5.44E-03	5.08E-04
1.13E+02	-3.79E-03	5.35E-03	4.55E-04
1.13E+02	-3.87E-03	5.22E-03	3.36E-04
1.13E+02	-3.91E-03	5.05E-03	2.20E-04
1.13E+02	-3.87E-03	4.90E-03	8.53E-05
1.13E+02	-3.78E-03	4.73E-03	-1.15E-04
1.13E+02	-3.70E-03	4.56E-03	-2.38E-04
1.13E+02	-3.61E-03	4.45E-03	-2.27E-04
1.13E+02	-3.45E-03	4.38E-03	-1.14E-04
1.13E+02	-3.26E-03	4.35E-03	4.88E-05
1.13E+02	-3.11E-03	4.32E-03	1.79E-04
1.13E+02	-2.95E-03	4.30E-03	2.82E-04
1.13E+02	-2.78E-03	4.29E-03	4.04E-04
1.13E+02	-2.61E-03	4.28E-03	4.37E-04
1.13E+02	-2.45E-03	4.25E-03	4.33E-04
1.13E+02	-2.31E-03	4.24E-03	5.29E-04
1.13E+02	-2.14E-03	4.25E-03	6.44E-04
1.13E+02	-1.96E-03	4.29E-03	7.80E-04
1.13E+02	-1.84E-03	4.32E-03	8.33E-04
1.13E+02	-1.75E-03	4.31E-03	7.66E-04
1.13E+02	-1.68E-03	4.33E-03	7.63E-04
1.13E+02	-1.63E-03	4.33E-03	7.40E-04
1.13E+02	-1.65E-03	4.30E-03	7.19E-04
1.13E+02	-1.73E-03	4.28E-03	7.62E-04
1.13E+02	-1.82E-03	4.23E-03	7.79E-04
1.13E+02	-1.92E-03	4.14E-03	8.47E-04
1.13E+02	-2.06E-03	4.00E-03	8.99E-04
1.13E+02	-2.22E-03	3.78E-03	9.05E-04
1.13E+02	-2.36E-03	3.56E-03	9.38E-04
1.13E+02	-2.49E-03	3.33E-03	8.99E-04
1.13E+02	-2.61E-03	3.07E-03	7.89E-04
1.13E+02	-2.75E-03	2.80E-03	7.03E-04
1.13E+02	-2.88E-03	2.55E-03	6.66E-04
1.13E+02	-3.00E-03	2.32E-03	6.65E-04
1.13E+02	-3.17E-03	2.07E-03	6.75E-04
1.13E+02	-3.38E-03	1.82E-03	6.71E-04
1.13E+02	-3.59E-03	1.57E-03	6.84E-04
1.13E+02	-3.81E-03	1.36E-03	7.06E-04
1.13E+02	-4.03E-03	1.17E-03	6.80E-04
1.13E+02	-4.26E-03	1.01E-03	6.47E-04
1.13E+02	-4.47E-03	8.95E-04	5.78E-04
1.13E+02	-4.61E-03	8.44E-04	4.77E-04
1.13E+02	-4.73E-03	8.57E-04	3.94E-04
1.13E+02	-4.82E-03	8.79E-04	2.97E-04

1.13E+02	-4.86E-03	9.65E-04	3.10E-04
1.13E+02	-4.87E-03	1.10E-03	3.93E-04
1.13E+02	-4.86E-03	1.22E-03	3.70E-04
1.13E+02	-4.84E-03	1.37E-03	3.41E-04
1.13E+02	-4.81E-03	1.57E-03	3.78E-04
1.13E+02	-4.70E-03	1.82E-03	4.47E-04
1.13E+02	-4.61E-03	2.07E-03	4.98E-04
1.13E+02	-4.53E-03	2.28E-03	5.22E-04
1.13E+02	-4.44E-03	2.46E-03	6.32E-04
1.13E+02	-4.35E-03	2.60E-03	7.67E-04
1.13E+02	-4.27E-03	2.70E-03	8.20E-04
1.13E+02	-4.24E-03	2.76E-03	8.25E-04
1.13E+02	-4.21E-03	2.84E-03	7.68E-04
1.13E+02	-4.16E-03	2.93E-03	6.70E-04
1.13E+02	-4.13E-03	3.07E-03	5.65E-04
1.13E+02	-4.14E-03	3.20E-03	4.20E-04
1.13E+02	-4.15E-03	3.30E-03	3.08E-04
1.13E+02	-4.18E-03	3.42E-03	2.22E-04
1.13E+02	-4.23E-03	3.46E-03	4.35E-05
1.13E+02	-4.32E-03	3.43E-03	-1.42E-04
1.13E+02	-4.42E-03	3.36E-03	-2.55E-04
1.13E+02	-4.48E-03	3.27E-03	-2.90E-04
1.13E+02	-4.53E-03	3.19E-03	-2.28E-04
1.13E+02	-4.57E-03	3.06E-03	-2.02E-04
1.13E+02	-4.56E-03	2.92E-03	-2.02E-04
1.13E+02	-4.51E-03	2.81E-03	-1.37E-04
1.13E+02	-4.38E-03	2.71E-03	-1.42E-04
1.13E+02	-4.21E-03	2.59E-03	-1.97E-04
1.13E+02	-4.02E-03	2.50E-03	-2.12E-04
1.13E+02	-3.74E-03	2.45E-03	-2.35E-04
1.13E+02	-3.42E-03	2.42E-03	-2.67E-04
1.13E+02	-3.11E-03	2.38E-03	-3.84E-04
1.13E+02	-2.79E-03	2.36E-03	-5.45E-04
1.13E+02	-2.46E-03	2.37E-03	-5.93E-04
1.13E+02	-2.10E-03	2.41E-03	-6.13E-04
1.13E+02	-1.75E-03	2.42E-03	-6.66E-04
1.13E+02	-1.44E-03	2.44E-03	-7.18E-04
1.13E+02	-1.11E-03	2.50E-03	-8.10E-04
1.13E+02	-8.00E-04	2.59E-03	-8.98E-04
1.13E+02	-5.49E-04	2.67E-03	-1.01E-03
1.13E+02	-3.38E-04	2.74E-03	-1.17E-03
1.13E+02	-1.26E-04	2.87E-03	-1.24E-03
1.13E+02	4.50E-05	3.03E-03	-1.26E-03
1.13E+02	1.36E-04	3.17E-03	-1.26E-03
1.13E+02	1.60E-04	3.32E-03	-1.17E-03
1.13E+02	1.50E-04	3.45E-03	-1.04E-03
1.13E+02	1.22E-04	3.57E-03	-8.87E-04

1.13E+02	4.22E-05	3.64E-03	-7.81E-04
1.13E+02	-7.74E-05	3.66E-03	-7.56E-04
1.13E+02	-2.02E-04	3.70E-03	-6.75E-04
1.13E+02	-2.95E-04	3.75E-03	-5.92E-04
1.13E+02	-3.71E-04	3.75E-03	-5.24E-04
1.13E+02	-5.03E-04	3.71E-03	-3.85E-04
1.13E+02	-6.41E-04	3.63E-03	-2.29E-04
1.13E+02	-7.62E-04	3.53E-03	-1.01E-04
1.13E+02	-9.17E-04	3.43E-03	-1.32E-05
1.13E+02	-1.06E-03	3.32E-03	6.10E-05
1.13E+02	-1.14E-03	3.26E-03	1.97E-04
1.13E+02	-1.17E-03	3.24E-03	3.65E-04
1.13E+02	-1.15E-03	3.22E-03	5.63E-04
1.13E+02	-1.14E-03	3.23E-03	8.34E-04
1.13E+02	-1.11E-03	3.18E-03	1.10E-03
1.13E+02	-1.03E-03	3.14E-03	1.32E-03
1.13E+02	-9.78E-04	3.09E-03	1.49E-03
1.13E+02	-9.60E-04	3.02E-03	1.57E-03
1.13E+02	-9.18E-04	3.01E-03	1.65E-03
1.13E+02	-8.66E-04	2.99E-03	1.68E-03
1.13E+02	-7.78E-04	2.97E-03	1.63E-03
1.13E+02	-6.95E-04	2.97E-03	1.60E-03
1.13E+02	-6.25E-04	2.91E-03	1.53E-03
1.13E+02	-5.02E-04	2.83E-03	1.41E-03
1.13E+02	-3.91E-04	2.74E-03	1.25E-03
1.13E+02	-2.76E-04	2.59E-03	9.70E-04
1.13E+02	-1.07E-04	2.47E-03	7.15E-04
1.13E+02	8.89E-05	2.40E-03	6.05E-04
1.13E+02	3.32E-04	2.37E-03	5.53E-04
1.13E+02	5.44E-04	2.36E-03	5.45E-04
1.13E+02	6.96E-04	2.34E-03	4.90E-04
1.13E+02	8.76E-04	2.32E-03	3.87E-04
1.13E+02	1.04E-03	2.29E-03	3.79E-04
1.13E+02	1.14E-03	2.23E-03	3.84E-04
1.13E+02	1.23E-03	2.16E-03	3.78E-04
1.13E+02	1.30E-03	2.11E-03	4.18E-04
1.13E+02	1.40E-03	2.05E-03	4.08E-04
1.13E+02	1.46E-03	1.94E-03	3.60E-04
1.13E+02	1.44E-03	1.80E-03	2.96E-04
1.13E+02	1.45E-03	1.65E-03	1.80E-04
1.13E+02	1.45E-03	1.53E-03	6.73E-05
1.13E+02	1.41E-03	1.38E-03	-7.97E-05
1.13E+02	1.40E-03	1.23E-03	-2.27E-04
1.13E+02	1.39E-03	1.13E-03	-2.45E-04
1.13E+02	1.40E-03	1.02E-03	-2.41E-04
1.13E+02	1.42E-03	8.88E-04	-2.71E-04
1.13E+02	1.38E-03	7.45E-04	-2.83E-04

1.13E+02	1.37E-03	6.13E-04	-3.54E-04
1.13E+02	1.41E-03	4.65E-04	-4.64E-04
1.13E+02	1.44E-03	2.91E-04	-5.79E-04
1.14E+02	1.51E-03	2.18E-04	-6.84E-04
1.14E+02	1.59E-03	1.78E-04	-6.92E-04
1.14E+02	1.70E-03	1.45E-04	-6.98E-04
1.14E+02	1.83E-03	1.82E-04	-7.04E-04
1.14E+02	1.88E-03	2.05E-04	-5.80E-04
1.14E+02	1.97E-03	2.44E-04	-3.91E-04
1.14E+02	2.08E-03	2.97E-04	-2.03E-04
1.14E+02	2.14E-03	2.96E-04	-1.16E-04
1.14E+02	2.24E-03	3.08E-04	-7.38E-05
1.14E+02	2.33E-03	3.02E-04	5.05E-05
1.14E+02	2.41E-03	2.70E-04	6.81E-05
1.14E+02	2.50E-03	2.31E-04	-1.53E-05
1.14E+02	2.53E-03	1.26E-04	-8.54E-05
1.14E+02	2.56E-03	3.05E-05	-2.05E-04
1.14E+02	2.65E-03	-4.96E-05	-3.29E-04
1.14E+02	2.70E-03	-1.42E-04	-4.95E-04
1.14E+02	2.72E-03	-2.46E-04	-7.52E-04
1.14E+02	2.72E-03	-3.83E-04	-9.45E-04
1.14E+02	2.68E-03	-4.78E-04	-1.07E-03
1.14E+02	2.65E-03	-5.93E-04	-1.23E-03
1.14E+02	2.55E-03	-7.55E-04	-1.28E-03
1.14E+02	2.39E-03	-9.20E-04	-1.27E-03
1.14E+02	2.29E-03	-1.11E-03	-1.23E-03
1.14E+02	2.17E-03	-1.31E-03	-1.11E-03
1.14E+02	2.05E-03	-1.49E-03	-1.04E-03
1.14E+02	2.00E-03	-1.64E-03	-9.78E-04
1.14E+02	1.98E-03	-1.76E-03	-8.31E-04
1.14E+02	2.00E-03	-1.85E-03	-7.38E-04
1.14E+02	2.02E-03	-1.90E-03	-6.56E-04
1.14E+02	2.00E-03	-1.99E-03	-5.41E-04
1.14E+02	2.05E-03	-2.07E-03	-3.93E-04
1.14E+02	2.09E-03	-2.17E-03	-2.20E-04
1.14E+02	2.09E-03	-2.34E-03	-1.08E-04
1.14E+02	2.10E-03	-2.43E-03	3.49E-05
1.14E+02	2.11E-03	-2.49E-03	1.53E-04
1.14E+02	2.17E-03	-2.58E-03	1.05E-04
1.14E+02	2.25E-03	-2.62E-03	7.06E-05
1.14E+02	2.31E-03	-2.64E-03	7.48E-05
1.14E+02	2.41E-03	-2.64E-03	1.89E-05
1.14E+02	2.51E-03	-2.61E-03	-2.63E-05
1.14E+02	2.56E-03	-2.62E-03	-7.02E-05
1.14E+02	2.61E-03	-2.66E-03	-1.17E-04
1.14E+02	2.65E-03	-2.72E-03	-1.36E-04
1.14E+02	2.69E-03	-2.78E-03	-2.23E-04

1.14E+02	2.70E-03	-2.85E-03	-3.96E-04
1.14E+02	2.70E-03	-2.90E-03	-5.69E-04
1.14E+02	2.73E-03	-2.91E-03	-7.54E-04
1.14E+02	2.77E-03	-2.95E-03	-9.28E-04
1.14E+02	2.79E-03	-3.04E-03	-1.08E-03
1.14E+02	2.80E-03	-3.19E-03	-1.17E-03
1.14E+02	2.80E-03	-3.37E-03	-1.09E-03
1.14E+02	2.82E-03	-3.59E-03	-9.96E-04
1.14E+02	2.83E-03	-3.89E-03	-9.69E-04
1.14E+02	2.82E-03	-4.19E-03	-9.29E-04
1.14E+02	2.82E-03	-4.46E-03	-8.59E-04
1.14E+02	2.84E-03	-4.70E-03	-7.36E-04
1.14E+02	2.81E-03	-4.91E-03	-6.64E-04
1.14E+02	2.78E-03	-5.09E-03	-6.81E-04
1.14E+02	2.75E-03	-5.22E-03	-6.79E-04
1.14E+02	2.73E-03	-5.31E-03	-6.51E-04
1.14E+02	2.68E-03	-5.37E-03	-5.73E-04
1.14E+02	2.57E-03	-5.38E-03	-3.98E-04
1.14E+02	2.49E-03	-5.35E-03	-2.39E-04
1.14E+02	2.41E-03	-5.30E-03	-1.72E-04
1.14E+02	2.30E-03	-5.23E-03	-2.04E-04
1.14E+02	2.22E-03	-5.18E-03	-2.71E-04
1.14E+02	2.17E-03	-5.09E-03	-2.28E-04
1.14E+02	2.17E-03	-4.99E-03	-1.84E-04
1.14E+02	2.18E-03	-4.90E-03	-2.60E-04
1.14E+02	2.15E-03	-4.79E-03	-3.77E-04
1.14E+02	2.11E-03	-4.66E-03	-5.47E-04
1.14E+02	2.08E-03	-4.50E-03	-7.43E-04
1.14E+02	1.97E-03	-4.35E-03	-9.74E-04
1.14E+02	1.81E-03	-4.24E-03	-1.29E-03
1.14E+02	1.63E-03	-4.13E-03	-1.50E-03
1.14E+02	1.40E-03	-4.01E-03	-1.57E-03
1.14E+02	1.16E-03	-3.95E-03	-1.58E-03
1.14E+02	8.51E-04	-3.91E-03	-1.45E-03
1.14E+02	5.20E-04	-3.91E-03	-1.34E-03
1.14E+02	2.58E-04	-3.96E-03	-1.38E-03
1.14E+02	2.37E-05	-4.03E-03	-1.47E-03
1.14E+02	-1.57E-04	-4.10E-03	-1.60E-03
1.14E+02	-2.14E-04	-4.13E-03	-1.62E-03
1.14E+02	-1.64E-04	-4.11E-03	-1.48E-03
1.14E+02	-4.96E-05	-4.12E-03	-1.37E-03
1.14E+02	3.93E-05	-4.18E-03	-1.28E-03
1.14E+02	1.01E-04	-4.27E-03	-1.23E-03
1.14E+02	1.96E-04	-4.37E-03	-1.19E-03
1.14E+02	2.31E-04	-4.45E-03	-1.09E-03
1.14E+02	1.73E-04	-4.57E-03	-9.88E-04
1.14E+02	1.01E-04	-4.69E-03	-9.00E-04

1.14E+02	1.18E-05	-4.74E-03	-7.98E-04
1.14E+02	-8.49E-05	-4.80E-03	-8.18E-04
1.14E+02	-1.89E-04	-4.85E-03	-8.78E-04
1.14E+02	-2.82E-04	-4.89E-03	-9.04E-04
1.14E+02	-2.74E-04	-4.95E-03	-9.62E-04
1.14E+02	-2.24E-04	-5.00E-03	-1.02E-03
1.14E+02	-1.88E-04	-5.07E-03	-1.18E-03
1.14E+02	-1.11E-04	-5.18E-03	-1.44E-03
1.14E+02	4.39E-06	-5.26E-03	-1.63E-03
1.14E+02	1.34E-04	-5.37E-03	-1.82E-03
1.14E+02	2.29E-04	-5.53E-03	-2.00E-03
1.14E+02	2.71E-04	-5.71E-03	-2.15E-03
1.14E+02	3.31E-04	-5.89E-03	-2.30E-03
1.14E+02	3.88E-04	-6.04E-03	-2.36E-03
1.14E+02	3.79E-04	-6.20E-03	-2.40E-03
1.14E+02	3.75E-04	-6.35E-03	-2.42E-03
1.14E+02	3.92E-04	-6.46E-03	-2.32E-03
1.14E+02	4.12E-04	-6.54E-03	-2.20E-03
1.14E+02	4.16E-04	-6.62E-03	-2.08E-03
1.14E+02	3.70E-04	-6.70E-03	-1.92E-03
1.14E+02	3.74E-04	-6.76E-03	-1.74E-03
1.14E+02	4.12E-04	-6.81E-03	-1.51E-03
1.14E+02	4.11E-04	-6.90E-03	-1.30E-03
1.14E+02	4.33E-04	-7.03E-03	-1.12E-03
1.14E+02	4.79E-04	-7.10E-03	-8.90E-04
1.14E+02	5.41E-04	-7.15E-03	-6.88E-04
1.14E+02	6.40E-04	-7.18E-03	-5.42E-04
1.14E+02	7.39E-04	-7.16E-03	-4.05E-04
1.14E+02	8.73E-04	-7.13E-03	-3.57E-04
1.14E+02	1.06E-03	-7.07E-03	-3.62E-04
1.14E+02	1.21E-03	-7.01E-03	-4.15E-04
1.14E+02	1.33E-03	-6.98E-03	-5.44E-04
1.14E+02	1.47E-03	-6.90E-03	-6.42E-04
1.14E+02	1.59E-03	-6.83E-03	-7.95E-04
1.14E+02	1.69E-03	-6.78E-03	-1.06E-03
1.14E+02	1.71E-03	-6.73E-03	-1.35E-03
1.14E+02	1.69E-03	-6.71E-03	-1.64E-03
1.14E+02	1.69E-03	-6.70E-03	-1.87E-03
1.14E+02	1.65E-03	-6.71E-03	-2.04E-03
1.14E+02	1.56E-03	-6.74E-03	-2.22E-03
1.14E+02	1.50E-03	-6.74E-03	-2.32E-03
1.14E+02	1.48E-03	-6.71E-03	-2.28E-03
1.14E+02	1.47E-03	-6.68E-03	-2.15E-03
1.14E+02	1.42E-03	-6.65E-03	-1.93E-03
1.14E+02	1.36E-03	-6.64E-03	-1.68E-03
1.14E+02	1.31E-03	-6.65E-03	-1.45E-03
1.14E+02	1.23E-03	-6.69E-03	-1.29E-03

1.14E+02	1.11E-03	-6.80E-03	-1.23E-03
1.14E+02	1.02E-03	-6.94E-03	-1.23E-03
1.14E+02	9.59E-04	-7.07E-03	-1.24E-03
1.14E+02	9.17E-04	-7.21E-03	-1.30E-03
1.14E+02	8.39E-04	-7.33E-03	-1.36E-03
1.14E+02	7.64E-04	-7.42E-03	-1.42E-03
1.14E+02	7.28E-04	-7.51E-03	-1.55E-03
1.14E+02	6.79E-04	-7.59E-03	-1.63E-03
1.14E+02	6.17E-04	-7.70E-03	-1.72E-03
1.14E+02	5.53E-04	-7.85E-03	-1.79E-03
1.14E+02	5.07E-04	-7.96E-03	-1.73E-03
1.14E+02	5.10E-04	-8.03E-03	-1.62E-03
1.14E+02	5.29E-04	-8.07E-03	-1.45E-03
1.14E+02	5.69E-04	-8.05E-03	-1.15E-03
1.14E+02	6.69E-04	-7.99E-03	-7.96E-04
1.14E+02	7.63E-04	-7.90E-03	-4.51E-04
1.14E+02	7.89E-04	-7.83E-03	-2.47E-04
1.14E+02	7.88E-04	-7.77E-03	-2.05E-04
1.14E+02	7.96E-04	-7.68E-03	-1.94E-04
1.14E+02	8.02E-04	-7.58E-03	-2.63E-04
1.14E+02	7.68E-04	-7.48E-03	-3.48E-04
1.14E+02	6.94E-04	-7.36E-03	-3.49E-04
1.14E+02	6.32E-04	-7.21E-03	-3.15E-04
1.14E+02	5.62E-04	-7.03E-03	-2.40E-04
1.14E+02	4.24E-04	-6.88E-03	-2.15E-04
1.14E+02	2.59E-04	-6.74E-03	-2.91E-04
1.14E+02	1.20E-04	-6.54E-03	-3.65E-04
1.14E+02	-1.53E-05	-6.31E-03	-4.60E-04
1.14E+02	-1.48E-04	-6.07E-03	-5.77E-04
1.14E+02	-2.62E-04	-5.80E-03	-6.40E-04
1.14E+02	-3.30E-04	-5.48E-03	-6.92E-04
1.14E+02	-3.31E-04	-5.13E-03	-7.34E-04
1.14E+02	-3.13E-04	-4.78E-03	-7.64E-04
1.14E+02	-2.55E-04	-4.48E-03	-8.62E-04
1.14E+02	-1.21E-04	-4.20E-03	-9.61E-04
1.14E+02	4.29E-05	-3.98E-03	-1.07E-03
1.14E+02	2.17E-04	-3.83E-03	-1.21E-03
1.14E+02	3.45E-04	-3.75E-03	-1.30E-03
1.14E+02	4.52E-04	-3.71E-03	-1.27E-03
1.14E+02	5.77E-04	-3.69E-03	-1.07E-03
1.14E+02	6.24E-04	-3.72E-03	-7.65E-04
1.14E+02	6.24E-04	-3.81E-03	-4.79E-04
1.14E+02	6.11E-04	-3.88E-03	-2.10E-04
1.14E+02	5.96E-04	-3.90E-03	-2.14E-05
1.14E+02	6.17E-04	-3.91E-03	2.78E-05
1.14E+02	6.23E-04	-3.89E-03	3.07E-05
1.14E+02	6.70E-04	-3.82E-03	6.75E-05

1.14E+02	7.84E-04	-3.72E-03	1.45E-04
1.14E+02	8.68E-04	-3.64E-03	2.19E-04
1.14E+02	9.14E-04	-3.63E-03	2.01E-04
1.14E+02	9.59E-04	-3.64E-03	1.47E-04
1.14E+02	1.01E-03	-3.64E-03	9.59E-05
1.14E+02	1.04E-03	-3.68E-03	-4.46E-05
1.14E+02	1.04E-03	-3.75E-03	-2.12E-04
1.14E+02	1.03E-03	-3.81E-03	-3.59E-04
1.14E+02	1.03E-03	-3.87E-03	-4.91E-04
1.14E+02	1.00E-03	-3.96E-03	-5.47E-04
1.14E+02	9.15E-04	-4.12E-03	-5.65E-04
1.14E+02	7.95E-04	-4.31E-03	-5.33E-04
1.14E+02	6.28E-04	-4.52E-03	-4.85E-04
1.14E+02	4.38E-04	-4.73E-03	-5.36E-04
1.14E+02	2.50E-04	-4.92E-03	-5.83E-04
1.15E+02	3.81E-05	-5.06E-03	-5.58E-04
1.15E+02	-1.35E-04	-5.13E-03	-4.74E-04
1.15E+02	-3.16E-04	-5.14E-03	-2.94E-04
1.15E+02	-5.42E-04	-5.18E-03	-8.32E-05
1.15E+02	-7.41E-04	-5.24E-03	1.98E-04
1.15E+02	-9.20E-04	-5.29E-03	5.63E-04
1.15E+02	-1.09E-03	-5.37E-03	8.28E-04
1.15E+02	-1.30E-03	-5.49E-03	9.77E-04
1.15E+02	-1.54E-03	-5.57E-03	1.05E-03
1.15E+02	-1.71E-03	-5.59E-03	1.07E-03
1.15E+02	-1.82E-03	-5.54E-03	1.14E-03
1.15E+02	-1.94E-03	-5.44E-03	1.16E-03
1.15E+02	-2.02E-03	-5.32E-03	1.11E-03
1.15E+02	-2.06E-03	-5.17E-03	1.06E-03
1.15E+02	-2.06E-03	-5.03E-03	9.52E-04
1.15E+02	-2.02E-03	-4.93E-03	7.83E-04
1.15E+02	-1.96E-03	-4.86E-03	6.19E-04
1.15E+02	-1.82E-03	-4.74E-03	4.82E-04
1.15E+02	-1.66E-03	-4.60E-03	4.06E-04
1.15E+02	-1.50E-03	-4.46E-03	3.72E-04
1.15E+02	-1.32E-03	-4.30E-03	3.82E-04
1.15E+02	-1.14E-03	-4.12E-03	4.47E-04
1.15E+02	-9.37E-04	-3.98E-03	5.09E-04
1.15E+02	-7.65E-04	-3.89E-03	5.27E-04
1.15E+02	-6.65E-04	-3.87E-03	5.03E-04
1.15E+02	-5.50E-04	-3.89E-03	4.30E-04
1.15E+02	-4.05E-04	-3.91E-03	3.75E-04
1.15E+02	-2.98E-04	-3.97E-03	3.60E-04
1.15E+02	-2.24E-04	-4.06E-03	3.42E-04
1.15E+02	-1.39E-04	-4.11E-03	3.91E-04
1.15E+02	-3.80E-05	-4.13E-03	4.21E-04
1.15E+02	3.36E-05	-4.17E-03	3.49E-04

1.15E+02	7.29E-05	-4.21E-03	3.43E-04
1.15E+02	1.30E-04	-4.21E-03	3.64E-04
1.15E+02	2.14E-04	-4.17E-03	3.35E-04
1.15E+02	2.70E-04	-4.15E-03	2.74E-04
1.15E+02	3.01E-04	-4.15E-03	8.91E-05
1.15E+02	3.64E-04	-4.15E-03	-1.31E-04
1.15E+02	4.59E-04	-4.14E-03	-3.21E-04
1.15E+02	5.86E-04	-4.16E-03	-5.30E-04
1.15E+02	7.00E-04	-4.19E-03	-6.74E-04
1.15E+02	8.45E-04	-4.22E-03	-7.54E-04
1.15E+02	1.05E-03	-4.27E-03	-7.85E-04
1.15E+02	1.21E-03	-4.36E-03	-7.70E-04
1.15E+02	1.31E-03	-4.48E-03	-7.86E-04
1.15E+02	1.40E-03	-4.59E-03	-7.56E-04
1.15E+02	1.48E-03	-4.65E-03	-6.61E-04
1.15E+02	1.57E-03	-4.71E-03	-6.08E-04
1.15E+02	1.63E-03	-4.77E-03	-5.46E-04
1.15E+02	1.68E-03	-4.78E-03	-4.23E-04
1.15E+02	1.77E-03	-4.73E-03	-2.55E-04
1.15E+02	1.81E-03	-4.66E-03	-8.41E-05
1.15E+02	1.82E-03	-4.61E-03	1.77E-05
1.15E+02	1.83E-03	-4.55E-03	1.05E-04
1.15E+02	1.81E-03	-4.49E-03	2.12E-04
1.15E+02	1.76E-03	-4.41E-03	2.87E-04
1.15E+02	1.62E-03	-4.31E-03	3.52E-04
1.15E+02	1.44E-03	-4.17E-03	3.90E-04
1.15E+02	1.29E-03	-4.00E-03	3.78E-04
1.15E+02	1.14E-03	-3.81E-03	3.21E-04
1.15E+02	9.95E-04	-3.63E-03	1.85E-04
1.15E+02	9.10E-04	-3.45E-03	4.52E-05
1.15E+02	8.81E-04	-3.25E-03	-5.17E-05
1.15E+02	9.26E-04	-3.06E-03	-1.71E-04
1.15E+02	9.79E-04	-2.90E-03	-2.63E-04
1.15E+02	1.03E-03	-2.77E-03	-2.73E-04
1.15E+02	1.14E-03	-2.65E-03	-2.13E-04
1.15E+02	1.22E-03	-2.54E-03	-7.29E-05
1.15E+02	1.24E-03	-2.48E-03	7.76E-05
1.15E+02	1.20E-03	-2.46E-03	2.15E-04
1.15E+02	1.14E-03	-2.43E-03	4.08E-04
1.15E+02	1.05E-03	-2.40E-03	6.32E-04
1.15E+02	8.90E-04	-2.41E-03	8.62E-04
1.15E+02	6.53E-04	-2.44E-03	1.12E-03
1.15E+02	4.48E-04	-2.45E-03	1.42E-03
1.15E+02	2.59E-04	-2.44E-03	1.74E-03
1.15E+02	4.48E-05	-2.46E-03	1.97E-03
1.15E+02	-1.43E-04	-2.48E-03	2.09E-03
1.15E+02	-2.76E-04	-2.47E-03	2.15E-03

1.15E+02	-3.64E-04	-2.47E-03	2.13E-03
1.15E+02	-4.39E-04	-2.47E-03	2.05E-03
1.15E+02	-5.11E-04	-2.47E-03	1.93E-03
1.15E+02	-5.29E-04	-2.43E-03	1.77E-03
1.15E+02	-4.98E-04	-2.34E-03	1.67E-03
1.15E+02	-4.71E-04	-2.26E-03	1.58E-03
1.15E+02	-4.27E-04	-2.21E-03	1.44E-03
1.15E+02	-3.39E-04	-2.11E-03	1.30E-03
1.15E+02	-2.05E-04	-2.00E-03	1.11E-03
1.15E+02	-5.66E-05	-1.87E-03	9.01E-04
1.15E+02	7.02E-05	-1.73E-03	7.88E-04
1.15E+02	2.37E-04	-1.60E-03	7.21E-04
1.15E+02	4.18E-04	-1.48E-03	6.82E-04
1.15E+02	5.15E-04	-1.41E-03	6.34E-04
1.15E+02	5.67E-04	-1.39E-03	5.87E-04
1.15E+02	5.72E-04	-1.39E-03	6.18E-04
1.15E+02	5.26E-04	-1.38E-03	6.82E-04
1.15E+02	4.42E-04	-1.35E-03	7.34E-04
1.15E+02	2.57E-04	-1.32E-03	7.99E-04
1.15E+02	3.41E-05	-1.28E-03	8.77E-04
1.15E+02	-1.77E-04	-1.18E-03	9.93E-04
1.15E+02	-4.29E-04	-1.09E-03	1.11E-03
1.15E+02	-6.79E-04	-1.03E-03	1.16E-03
1.15E+02	-8.87E-04	-9.61E-04	1.15E-03
1.15E+02	-1.05E-03	-8.87E-04	1.06E-03
1.15E+02	-1.16E-03	-7.97E-04	8.63E-04
1.15E+02	-1.26E-03	-6.70E-04	6.34E-04
1.15E+02	-1.28E-03	-5.05E-04	4.18E-04
1.15E+02	-1.23E-03	-2.89E-04	2.91E-04
1.15E+02	-1.15E-03	-5.89E-05	2.83E-04
1.15E+02	-1.07E-03	1.56E-04	2.94E-04
1.15E+02	-9.50E-04	3.78E-04	3.43E-04
1.15E+02	-7.95E-04	6.02E-04	4.02E-04
1.15E+02	-6.28E-04	7.88E-04	4.16E-04
1.15E+02	-4.73E-04	9.36E-04	4.39E-04
1.15E+02	-3.39E-04	1.06E-03	4.27E-04
1.15E+02	-1.95E-04	1.16E-03	3.95E-04
1.15E+02	-6.31E-05	1.23E-03	3.54E-04
1.15E+02	8.96E-06	1.23E-03	2.68E-04
1.15E+02	5.11E-05	1.17E-03	2.99E-04
1.15E+02	7.17E-05	1.07E-03	4.77E-04
1.15E+02	5.40E-05	9.33E-04	6.57E-04
1.15E+02	-2.19E-05	7.89E-04	8.32E-04
1.15E+02	-1.23E-04	6.32E-04	9.82E-04
1.15E+02	-1.62E-04	4.67E-04	1.12E-03
1.15E+02	-1.52E-04	3.79E-04	1.32E-03
1.15E+02	-1.29E-04	3.06E-04	1.45E-03

1.15E+02	-6.98E-05	2.24E-04	1.46E-03
1.15E+02	5.23E-05	2.08E-04	1.49E-03
1.15E+02	2.24E-04	1.89E-04	1.46E-03
1.15E+02	3.96E-04	1.71E-04	1.42E-03
1.15E+02	5.71E-04	1.79E-04	1.47E-03
1.15E+02	7.78E-04	1.81E-04	1.57E-03
1.15E+02	9.51E-04	1.95E-04	1.69E-03
1.15E+02	1.03E-03	1.81E-04	1.70E-03
1.15E+02	1.07E-03	1.45E-04	1.60E-03
1.15E+02	1.08E-03	1.46E-04	1.45E-03
1.15E+02	1.07E-03	1.56E-04	1.25E-03
1.15E+02	1.02E-03	1.80E-04	1.03E-03
1.15E+02	9.04E-04	2.02E-04	8.20E-04
1.15E+02	8.38E-04	2.40E-04	6.26E-04
1.15E+02	7.72E-04	2.92E-04	5.25E-04
1.15E+02	6.15E-04	2.51E-04	4.87E-04
1.15E+02	4.57E-04	1.58E-04	6.08E-04
1.15E+02	3.10E-04	8.66E-05	9.99E-04
1.15E+02	1.59E-04	1.39E-05	1.52E-03
1.15E+02	4.39E-06	-4.08E-05	2.04E-03
1.15E+02	-1.48E-04	-6.50E-05	2.50E-03
1.15E+02	-2.16E-04	-5.09E-05	2.81E-03
1.15E+02	-2.15E-04	1.14E-05	3.01E-03
1.15E+02	-1.82E-04	7.29E-05	3.07E-03
1.15E+02	-9.50E-05	1.28E-04	3.03E-03
1.15E+02	2.65E-05	2.07E-04	2.96E-03
1.15E+02	1.63E-04	2.71E-04	2.81E-03
1.15E+02	2.67E-04	3.23E-04	2.56E-03
1.15E+02	2.97E-04	3.89E-04	2.27E-03
1.15E+02	3.29E-04	4.83E-04	1.94E-03
1.15E+02	3.84E-04	6.61E-04	1.65E-03
1.15E+02	4.06E-04	9.07E-04	1.40E-03
1.15E+02	4.31E-04	1.18E-03	1.14E-03
1.15E+02	4.92E-04	1.50E-03	9.36E-04
1.15E+02	5.96E-04	1.82E-03	7.58E-04
1.15E+02	7.06E-04	2.07E-03	5.39E-04
1.15E+02	7.68E-04	2.27E-03	3.60E-04
1.15E+02	8.49E-04	2.46E-03	2.11E-04
1.15E+02	9.30E-04	2.65E-03	9.88E-05
1.15E+02	9.32E-04	2.83E-03	3.93E-05
1.15E+02	8.80E-04	2.97E-03	3.81E-06
1.15E+02	7.93E-04	3.11E-03	1.18E-04
1.15E+02	6.80E-04	3.21E-03	3.80E-04
1.15E+02	5.19E-04	3.26E-03	6.73E-04
1.15E+02	2.83E-04	3.23E-03	9.59E-04
1.15E+02	6.10E-05	3.14E-03	1.13E-03
1.15E+02	-9.02E-05	3.04E-03	1.22E-03

1.15E+02	-2.21E-04	2.91E-03	1.22E-03
1.15E+02	-3.29E-04	2.74E-03	1.05E-03
1.15E+02	-3.85E-04	2.61E-03	8.93E-04
1.15E+02	-3.98E-04	2.52E-03	7.82E-04
1.15E+02	-3.68E-04	2.43E-03	6.73E-04
1.15E+02	-3.30E-04	2.36E-03	6.65E-04
1.15E+02	-2.90E-04	2.26E-03	6.90E-04
1.15E+02	-1.97E-04	2.17E-03	7.38E-04
1.15E+02	-9.75E-05	2.08E-03	8.23E-04
1.15E+02	-3.83E-05	1.92E-03	8.08E-04
1.15E+02	2.19E-05	1.76E-03	7.64E-04
1.15E+02	9.08E-05	1.61E-03	7.05E-04
1.15E+02	1.37E-04	1.49E-03	5.52E-04
1.15E+02	1.05E-04	1.42E-03	4.27E-04
1.15E+02	1.58E-05	1.43E-03	3.71E-04
1.15E+02	-4.43E-05	1.54E-03	3.78E-04
1.15E+02	-1.27E-04	1.73E-03	4.27E-04
1.15E+02	-2.69E-04	1.95E-03	3.67E-04
1.15E+02	-4.06E-04	2.23E-03	2.63E-04
1.15E+02	-5.19E-04	2.57E-03	1.75E-04
1.15E+02	-6.01E-04	2.88E-03	-3.81E-07
1.15E+02	-6.92E-04	3.17E-03	-1.32E-04
1.15E+02	-7.85E-04	3.43E-03	-1.55E-04
1.15E+02	-7.89E-04	3.65E-03	-1.03E-04
1.15E+02	-7.56E-04	3.84E-03	4.86E-05
1.15E+02	-6.98E-04	3.95E-03	1.47E-04
1.15E+02	-5.50E-04	4.03E-03	2.02E-04
1.16E+02	-3.35E-04	4.11E-03	2.77E-04
1.16E+02	-5.89E-05	4.18E-03	2.47E-04
1.16E+02	2.32E-04	4.27E-03	1.41E-04
1.16E+02	5.06E-04	4.36E-03	2.86E-06
1.16E+02	8.30E-04	4.46E-03	-1.29E-04
1.16E+02	1.14E-03	4.55E-03	-1.25E-04
1.16E+02	1.38E-03	4.59E-03	-5.30E-05
1.16E+02	1.60E-03	4.58E-03	3.20E-05
1.16E+02	1.79E-03	4.57E-03	1.87E-04
1.16E+02	1.97E-03	4.57E-03	3.11E-04
1.16E+02	2.13E-03	4.58E-03	4.03E-04
1.16E+02	2.20E-03	4.63E-03	5.09E-04
1.16E+02	2.27E-03	4.73E-03	5.91E-04
1.16E+02	2.31E-03	4.88E-03	7.18E-04
1.16E+02	2.30E-03	5.00E-03	8.32E-04
1.16E+02	2.27E-03	5.06E-03	9.16E-04
1.16E+02	2.26E-03	5.07E-03	1.10E-03
1.16E+02	2.27E-03	5.03E-03	1.33E-03
1.16E+02	2.27E-03	4.96E-03	1.52E-03
1.16E+02	2.22E-03	4.86E-03	1.65E-03

1.16E+02	2.18E-03	4.78E-03	1.73E-03
1.16E+02	2.18E-03	4.78E-03	1.81E-03
1.16E+02	2.12E-03	4.81E-03	1.86E-03
1.16E+02	2.01E-03	4.88E-03	1.83E-03
1.16E+02	1.88E-03	5.01E-03	1.76E-03
1.16E+02	1.74E-03	5.17E-03	1.59E-03
1.16E+02	1.57E-03	5.33E-03	1.31E-03
1.16E+02	1.37E-03	5.52E-03	1.07E-03
1.16E+02	1.19E-03	5.70E-03	8.38E-04
1.16E+02	1.06E-03	5.91E-03	6.68E-04
1.16E+02	9.46E-04	6.11E-03	6.03E-04
1.16E+02	8.54E-04	6.21E-03	5.26E-04
1.16E+02	8.30E-04	6.26E-03	5.36E-04
1.16E+02	8.68E-04	6.24E-03	5.94E-04
1.16E+02	9.47E-04	6.13E-03	6.02E-04
1.16E+02	1.04E-03	6.00E-03	6.31E-04
1.16E+02	1.16E-03	5.84E-03	6.11E-04
1.16E+02	1.34E-03	5.72E-03	5.77E-04
1.16E+02	1.50E-03	5.61E-03	5.98E-04
1.16E+02	1.58E-03	5.48E-03	6.01E-04
1.16E+02	1.61E-03	5.35E-03	6.64E-04
1.16E+02	1.58E-03	5.21E-03	7.41E-04
1.16E+02	1.48E-03	5.02E-03	7.02E-04
1.16E+02	1.31E-03	4.80E-03	6.60E-04
1.16E+02	1.13E-03	4.59E-03	6.44E-04
1.16E+02	1.02E-03	4.38E-03	6.39E-04
1.16E+02	9.37E-04	4.21E-03	6.78E-04
1.16E+02	8.86E-04	4.04E-03	6.58E-04
1.16E+02	9.05E-04	3.88E-03	6.45E-04
1.16E+02	1.01E-03	3.79E-03	7.52E-04
1.16E+02	1.18E-03	3.73E-03	8.61E-04
1.16E+02	1.33E-03	3.67E-03	9.43E-04
1.16E+02	1.45E-03	3.65E-03	9.93E-04
1.16E+02	1.61E-03	3.64E-03	1.00E-03
1.16E+02	1.72E-03	3.65E-03	1.02E-03
1.16E+02	1.75E-03	3.65E-03	9.38E-04
1.16E+02	1.75E-03	3.66E-03	8.08E-04
1.16E+02	1.75E-03	3.71E-03	7.45E-04
1.16E+02	1.76E-03	3.74E-03	6.47E-04
1.16E+02	1.77E-03	3.74E-03	5.17E-04
1.16E+02	1.80E-03	3.71E-03	3.65E-04
1.16E+02	1.91E-03	3.69E-03	1.37E-04
1.16E+02	2.04E-03	3.67E-03	-1.31E-04
1.16E+02	2.15E-03	3.62E-03	-4.88E-04
1.16E+02	2.28E-03	3.55E-03	-8.73E-04
1.16E+02	2.38E-03	3.51E-03	-1.16E-03
1.16E+02	2.45E-03	3.49E-03	-1.37E-03

1.16E+02	2.43E-03	3.45E-03	-1.46E-03
1.16E+02	2.29E-03	3.43E-03	-1.42E-03
1.16E+02	2.11E-03	3.45E-03	-1.31E-03
1.16E+02	1.91E-03	3.51E-03	-1.11E-03
1.16E+02	1.65E-03	3.60E-03	-8.97E-04
1.16E+02	1.36E-03	3.68E-03	-7.19E-04
1.16E+02	1.07E-03	3.77E-03	-5.30E-04
1.16E+02	7.99E-04	3.85E-03	-4.26E-04
1.16E+02	5.00E-04	3.88E-03	-3.97E-04
1.16E+02	1.74E-04	3.90E-03	-3.51E-04
1.16E+02	-1.09E-04	3.91E-03	-3.16E-04
1.16E+02	-3.59E-04	3.93E-03	-2.97E-04
1.16E+02	-6.28E-04	3.96E-03	-3.52E-04
1.16E+02	-8.79E-04	4.00E-03	-4.97E-04
1.16E+02	-1.08E-03	4.08E-03	-6.27E-04
1.16E+02	-1.26E-03	4.18E-03	-7.64E-04
1.16E+02	-1.44E-03	4.29E-03	-9.25E-04
1.16E+02	-1.66E-03	4.39E-03	-1.03E-03
1.16E+02	-1.83E-03	4.48E-03	-1.08E-03
1.16E+02	-1.96E-03	4.53E-03	-1.11E-03
1.16E+02	-2.12E-03	4.54E-03	-1.12E-03
1.16E+02	-2.25E-03	4.51E-03	-1.12E-03
1.16E+02	-2.32E-03	4.51E-03	-9.67E-04
1.16E+02	-2.37E-03	4.53E-03	-7.24E-04
1.16E+02	-2.38E-03	4.58E-03	-4.82E-04
1.16E+02	-2.37E-03	4.66E-03	-1.83E-04
1.16E+02	-2.35E-03	4.77E-03	1.03E-04
1.16E+02	-2.27E-03	4.93E-03	3.82E-04
1.16E+02	-2.21E-03	5.06E-03	5.96E-04
1.16E+02	-2.18E-03	5.15E-03	6.42E-04
1.16E+02	-2.15E-03	5.25E-03	6.36E-04
1.16E+02	-2.13E-03	5.32E-03	5.80E-04
1.16E+02	-2.15E-03	5.35E-03	4.36E-04
1.16E+02	-2.27E-03	5.37E-03	2.81E-04
1.16E+02	-2.41E-03	5.38E-03	1.02E-04
1.16E+02	-2.55E-03	5.41E-03	-4.65E-05
1.16E+02	-2.71E-03	5.43E-03	-1.23E-04
1.16E+02	-2.88E-03	5.42E-03	-2.36E-04
1.16E+02	-2.99E-03	5.43E-03	-3.19E-04
1.16E+02	-3.08E-03	5.46E-03	-3.93E-04
1.16E+02	-3.12E-03	5.46E-03	-6.13E-04
1.16E+02	-3.17E-03	5.43E-03	-8.83E-04
1.16E+02	-3.21E-03	5.37E-03	-1.13E-03
1.16E+02	-3.17E-03	5.29E-03	-1.38E-03
1.16E+02	-3.14E-03	5.20E-03	-1.62E-03
1.16E+02	-3.11E-03	5.07E-03	-1.92E-03
1.16E+02	-3.03E-03	4.93E-03	-2.14E-03

1.16E+02	-2.96E-03	4.80E-03	-2.22E-03
1.16E+02	-2.89E-03	4.69E-03	-2.26E-03
1.16E+02	-2.90E-03	4.57E-03	-2.26E-03
1.16E+02	-2.98E-03	4.50E-03	-2.23E-03
1.16E+02	-3.07E-03	4.47E-03	-2.19E-03
1.16E+02	-3.20E-03	4.49E-03	-2.08E-03
1.16E+02	-3.38E-03	4.55E-03	-1.96E-03
1.16E+02	-3.55E-03	4.66E-03	-1.76E-03
1.16E+02	-3.70E-03	4.84E-03	-1.41E-03
1.16E+02	-3.80E-03	4.99E-03	-1.08E-03
1.16E+02	-3.88E-03	5.14E-03	-7.69E-04
1.16E+02	-3.94E-03	5.29E-03	-4.24E-04
1.16E+02	-3.94E-03	5.43E-03	-9.48E-05
1.16E+02	-3.90E-03	5.52E-03	2.19E-04
1.16E+02	-3.85E-03	5.51E-03	4.16E-04
1.16E+02	-3.74E-03	5.39E-03	4.46E-04
1.16E+02	-3.59E-03	5.21E-03	4.19E-04
1.16E+02	-3.41E-03	4.95E-03	3.04E-04
1.16E+02	-3.25E-03	4.63E-03	8.66E-05
1.16E+02	-3.16E-03	4.32E-03	-1.66E-04
1.16E+02	-3.08E-03	4.08E-03	-4.85E-04
1.16E+02	-3.03E-03	3.93E-03	-7.87E-04
1.16E+02	-3.07E-03	3.87E-03	-1.01E-03
1.16E+02	-3.16E-03	3.88E-03	-1.24E-03
1.16E+02	-3.30E-03	4.02E-03	-1.37E-03
1.16E+02	-3.42E-03	4.23E-03	-1.46E-03
1.16E+02	-3.53E-03	4.44E-03	-1.57E-03
1.16E+02	-3.67E-03	4.70E-03	-1.60E-03
1.16E+02	-3.73E-03	4.98E-03	-1.58E-03
1.16E+02	-3.71E-03	5.27E-03	-1.56E-03
1.16E+02	-3.66E-03	5.55E-03	-1.58E-03
1.16E+02	-3.55E-03	5.81E-03	-1.63E-03
1.16E+02	-3.36E-03	6.08E-03	-1.60E-03
1.16E+02	-3.14E-03	6.37E-03	-1.48E-03
1.16E+02	-2.90E-03	6.66E-03	-1.28E-03
1.16E+02	-2.71E-03	6.96E-03	-9.73E-04
1.16E+02	-2.52E-03	7.24E-03	-6.75E-04
1.16E+02	-2.30E-03	7.50E-03	-4.23E-04
1.16E+02	-2.13E-03	7.72E-03	-2.16E-04
1.16E+02	-1.97E-03	7.88E-03	-8.96E-05
1.16E+02	-1.78E-03	8.01E-03	8.24E-05
1.16E+02	-1.57E-03	8.11E-03	2.70E-04
1.16E+02	-1.39E-03	8.09E-03	3.23E-04
1.16E+02	-1.24E-03	7.98E-03	3.46E-04
1.16E+02	-1.13E-03	7.82E-03	3.43E-04
1.16E+02	-1.04E-03	7.59E-03	2.69E-04
1.16E+02	-1.05E-03	7.32E-03	1.08E-04

1.16E+02	-1.15E-03	6.98E-03	-2.36E-04
1.16E+02	-1.27E-03	6.64E-03	-5.73E-04
1.16E+02	-1.41E-03	6.34E-03	-7.97E-04
1.16E+02	-1.59E-03	5.99E-03	-1.05E-03
1.16E+02	-1.82E-03	5.60E-03	-1.28E-03
1.16E+02	-2.07E-03	5.19E-03	-1.49E-03
1.16E+02	-2.27E-03	4.77E-03	-1.77E-03
1.16E+02	-2.47E-03	4.32E-03	-2.02E-03
1.16E+02	-2.65E-03	3.88E-03	-2.28E-03
1.16E+02	-2.75E-03	3.49E-03	-2.43E-03
1.16E+02	-2.78E-03	3.17E-03	-2.44E-03
1.16E+02	-2.73E-03	2.91E-03	-2.47E-03
1.16E+02	-2.66E-03	2.71E-03	-2.45E-03
1.16E+02	-2.55E-03	2.58E-03	-2.34E-03
1.16E+02	-2.35E-03	2.56E-03	-2.16E-03
1.16E+02	-2.15E-03	2.61E-03	-1.94E-03
1.16E+02	-1.99E-03	2.67E-03	-1.81E-03
1.16E+02	-1.81E-03	2.73E-03	-1.67E-03
1.16E+02	-1.66E-03	2.85E-03	-1.46E-03
1.16E+02	-1.52E-03	2.93E-03	-1.25E-03
1.16E+02	-1.43E-03	3.01E-03	-1.02E-03
1.16E+02	-1.36E-03	3.14E-03	-7.80E-04
1.16E+02	-1.23E-03	3.20E-03	-5.37E-04
1.16E+02	-1.11E-03	3.28E-03	-3.89E-04
1.16E+02	-9.15E-04	3.34E-03	-3.77E-04
1.16E+02	-6.92E-04	3.36E-03	-3.00E-04
1.16E+02	-4.26E-04	3.48E-03	-2.65E-04
1.16E+02	-7.51E-05	3.49E-03	-3.92E-04
1.16E+02	2.49E-04	3.52E-03	-4.54E-04
1.16E+02	5.44E-04	3.56E-03	-4.63E-04
1.16E+02	8.50E-04	3.56E-03	-5.53E-04
1.16E+02	1.15E-03	3.58E-03	-6.63E-04
1.16E+02	1.35E-03	3.54E-03	-8.07E-04
1.16E+02	1.52E-03	3.49E-03	-9.46E-04
1.16E+02	1.63E-03	3.46E-03	-9.85E-04
1.16E+02	1.69E-03	3.45E-03	-1.01E-03
1.16E+02	1.76E-03	3.44E-03	-1.00E-03
1.16E+02	1.71E-03	3.38E-03	-8.58E-04
1.16E+02	1.67E-03	3.32E-03	-6.66E-04
1.17E+02	1.67E-03	3.18E-03	-4.89E-04
1.17E+02	1.65E-03	2.92E-03	-3.11E-04
1.17E+02	1.70E-03	2.62E-03	-1.68E-04
1.17E+02	1.78E-03	2.32E-03	6.03E-05
1.17E+02	1.95E-03	1.98E-03	2.55E-04
1.17E+02	2.19E-03	1.60E-03	3.02E-04
1.17E+02	2.37E-03	1.24E-03	3.78E-04
1.17E+02	2.54E-03	9.01E-04	3.42E-04

1.17E+02	2.67E-03	5.45E-04	1.85E-04
1.17E+02	2.69E-03	2.31E-04	-3.45E-05
1.17E+02	2.62E-03	-7.63E-07	-4.09E-04
1.17E+02	2.48E-03	-1.42E-04	-7.66E-04
1.17E+02	2.31E-03	-1.80E-04	-1.10E-03
1.17E+02	2.10E-03	-1.56E-04	-1.39E-03
1.17E+02	1.80E-03	-5.76E-05	-1.48E-03
1.17E+02	1.54E-03	1.06E-04	-1.48E-03
1.17E+02	1.35E-03	2.54E-04	-1.43E-03
1.17E+02	1.17E-03	3.46E-04	-1.41E-03
1.17E+02	1.06E-03	4.05E-04	-1.39E-03
1.17E+02	1.04E-03	4.67E-04	-1.30E-03
1.17E+02	1.12E-03	5.22E-04	-1.20E-03
1.17E+02	1.29E-03	5.54E-04	-1.11E-03
1.17E+02	1.47E-03	6.32E-04	-9.82E-04
1.17E+02	1.69E-03	7.78E-04	-8.53E-04
1.17E+02	1.99E-03	9.63E-04	-7.46E-04
1.17E+02	2.25E-03	1.17E-03	-6.37E-04
1.17E+02	2.49E-03	1.33E-03	-5.71E-04
1.17E+02	2.73E-03	1.46E-03	-4.81E-04
1.17E+02	2.91E-03	1.58E-03	-3.58E-04
1.17E+02	3.00E-03	1.65E-03	-2.84E-04
1.17E+02	2.96E-03	1.73E-03	-1.97E-04
1.17E+02	2.84E-03	1.83E-03	-9.75E-05
1.17E+02	2.68E-03	1.92E-03	-3.91E-05
1.17E+02	2.41E-03	2.02E-03	1.14E-06
1.17E+02	2.06E-03	2.09E-03	-4.14E-05
1.17E+02	1.69E-03	2.16E-03	-9.17E-05
1.17E+02	1.29E-03	2.25E-03	-7.32E-05
1.17E+02	8.54E-04	2.33E-03	-1.03E-04
1.17E+02	4.01E-04	2.40E-03	-1.04E-04
1.17E+02	-6.45E-05	2.50E-03	-3.09E-05
1.17E+02	-4.82E-04	2.59E-03	7.67E-05
1.17E+02	-8.81E-04	2.69E-03	2.53E-04
1.17E+02	-1.28E-03	2.76E-03	3.77E-04
1.17E+02	-1.59E-03	2.83E-03	4.98E-04
1.17E+02	-1.81E-03	2.96E-03	7.05E-04
1.17E+02	-1.98E-03	3.12E-03	8.42E-04
1.17E+02	-2.11E-03	3.23E-03	9.27E-04
1.17E+02	-2.21E-03	3.38E-03	1.04E-03
1.17E+02	-2.25E-03	3.55E-03	1.06E-03
1.17E+02	-2.26E-03	3.66E-03	9.65E-04
1.17E+02	-2.34E-03	3.74E-03	7.88E-04
1.17E+02	-2.43E-03	3.80E-03	5.54E-04
1.17E+02	-2.48E-03	3.86E-03	3.79E-04
1.17E+02	-2.48E-03	3.88E-03	1.89E-04
1.17E+02	-2.49E-03	3.86E-03	-2.33E-05

1.17E+02	-2.48E-03	3.85E-03	-1.46E-04
1.17E+02	-2.41E-03	3.88E-03	-2.09E-04
1.17E+02	-2.34E-03	3.93E-03	-1.79E-04
1.17E+02	-2.32E-03	3.96E-03	-1.67E-04
1.17E+02	-2.29E-03	3.99E-03	-2.52E-04
1.17E+02	-2.25E-03	4.04E-03	-2.76E-04
1.17E+02	-2.18E-03	4.08E-03	-2.57E-04
1.17E+02	-2.12E-03	4.09E-03	-2.13E-04
1.17E+02	-2.08E-03	4.05E-03	-7.93E-05
1.17E+02	-1.97E-03	3.99E-03	7.92E-05
1.17E+02	-1.81E-03	3.89E-03	2.46E-04
1.17E+02	-1.63E-03	3.71E-03	3.12E-04
1.17E+02	-1.38E-03	3.49E-03	2.34E-04
1.17E+02	-1.06E-03	3.26E-03	2.25E-04
1.17E+02	-7.02E-04	3.02E-03	1.84E-04
1.17E+02	-2.79E-04	2.72E-03	4.10E-05
1.17E+02	1.17E-04	2.41E-03	-5.11E-05
1.17E+02	4.92E-04	2.12E-03	-1.68E-04
1.17E+02	8.46E-04	1.86E-03	-3.15E-04
1.17E+02	1.14E-03	1.60E-03	-5.01E-04
1.17E+02	1.41E-03	1.34E-03	-6.89E-04
1.17E+02	1.66E-03	1.11E-03	-7.47E-04
1.17E+02	1.92E-03	9.02E-04	-7.87E-04
1.17E+02	2.18E-03	7.35E-04	-8.06E-04
1.17E+02	2.34E-03	6.13E-04	-7.45E-04
1.17E+02	2.52E-03	4.75E-04	-6.68E-04
1.17E+02	2.72E-03	3.69E-04	-5.01E-04
1.17E+02	2.81E-03	2.54E-04	-3.21E-04
1.17E+02	2.84E-03	1.07E-04	-2.80E-04
1.17E+02	2.80E-03	2.63E-05	-2.55E-04
1.17E+02	2.68E-03	-2.54E-05	-2.51E-04
1.17E+02	2.52E-03	-5.95E-05	-2.85E-04
1.17E+02	2.23E-03	-3.74E-05	-1.80E-04
1.17E+02	1.89E-03	4.84E-05	5.23E-05
1.17E+02	1.56E-03	2.07E-04	3.49E-04
1.17E+02	1.19E-03	3.83E-04	6.06E-04
1.17E+02	8.41E-04	5.60E-04	7.58E-04
1.17E+02	5.61E-04	7.63E-04	9.54E-04
1.17E+02	3.36E-04	9.64E-04	1.07E-03
1.17E+02	2.35E-04	1.15E-03	9.86E-04
1.17E+02	1.99E-04	1.36E-03	9.17E-04
1.17E+02	2.38E-04	1.61E-03	8.96E-04
1.17E+02	4.26E-04	1.85E-03	9.38E-04
1.17E+02	6.70E-04	2.05E-03	1.09E-03
1.17E+02	9.21E-04	2.18E-03	1.22E-03
1.17E+02	1.18E-03	2.26E-03	1.31E-03
1.17E+02	1.45E-03	2.36E-03	1.40E-03

1.17E+02	1.72E-03	2.43E-03	1.46E-03
1.17E+02	1.91E-03	2.51E-03	1.52E-03
1.17E+02	2.03E-03	2.65E-03	1.53E-03
1.17E+02	2.18E-03	2.77E-03	1.52E-03
1.17E+02	2.25E-03	2.90E-03	1.57E-03
1.17E+02	2.24E-03	2.92E-03	1.55E-03
1.17E+02	2.22E-03	2.87E-03	1.45E-03
1.17E+02	2.17E-03	2.85E-03	1.49E-03
1.17E+02	2.10E-03	2.69E-03	1.53E-03
1.17E+02	2.03E-03	2.53E-03	1.44E-03
1.17E+02	1.92E-03	2.32E-03	1.31E-03
1.17E+02	1.79E-03	2.09E-03	1.15E-03
1.17E+02	1.66E-03	1.85E-03	9.74E-04
1.17E+02	1.47E-03	1.47E-03	7.27E-04
1.17E+02	1.26E-03	1.10E-03	5.60E-04
1.17E+02	1.06E-03	7.51E-04	5.45E-04
1.17E+02	9.04E-04	3.65E-04	5.20E-04
1.17E+02	8.12E-04	1.68E-05	4.96E-04
1.17E+02	7.35E-04	-2.94E-04	5.33E-04
1.17E+02	7.53E-04	-5.58E-04	6.17E-04
1.17E+02	8.01E-04	-7.60E-04	7.00E-04
1.17E+02	8.26E-04	-9.29E-04	6.42E-04
1.17E+02	9.14E-04	-1.08E-03	4.67E-04
1.17E+02	1.02E-03	-1.16E-03	3.68E-04
1.17E+02	1.11E-03	-1.21E-03	2.47E-04
1.17E+02	1.14E-03	-1.30E-03	2.84E-05
1.17E+02	1.10E-03	-1.36E-03	-1.36E-04
1.17E+02	1.02E-03	-1.37E-03	-2.80E-04
1.17E+02	8.70E-04	-1.35E-03	-4.01E-04
1.17E+02	6.29E-04	-1.32E-03	-5.46E-04
1.17E+02	3.41E-04	-1.26E-03	-7.51E-04
1.17E+02	3.78E-05	-1.15E-03	-8.43E-04
1.17E+02	-2.24E-04	-9.85E-04	-8.77E-04
1.17E+02	-4.32E-04	-8.53E-04	-8.49E-04
1.17E+02	-6.11E-04	-7.19E-04	-6.59E-04
1.17E+02	-7.02E-04	-5.46E-04	-4.43E-04
1.17E+02	-7.10E-04	-3.90E-04	-2.37E-04
1.17E+02	-6.78E-04	-3.13E-04	-7.06E-05
1.17E+02	-5.71E-04	-3.23E-04	2.02E-05
1.17E+02	-3.91E-04	-3.49E-04	1.54E-04
1.17E+02	-1.54E-04	-3.87E-04	3.25E-04
1.17E+02	1.22E-04	-4.58E-04	4.91E-04
1.17E+02	3.68E-04	-5.33E-04	6.51E-04
1.17E+02	6.24E-04	-6.46E-04	7.26E-04
1.17E+02	9.19E-04	-7.90E-04	7.65E-04
1.17E+02	1.14E-03	-9.60E-04	7.70E-04
1.17E+02	1.29E-03	-1.19E-03	6.67E-04

1.17E+02	1.40E-03	-1.45E-03	5.62E-04
1.17E+02	1.46E-03	-1.70E-03	4.33E-04
1.17E+02	1.47E-03	-1.96E-03	2.23E-04
1.17E+02	1.36E-03	-2.20E-03	3.62E-05
1.17E+02	1.17E-03	-2.42E-03	-1.53E-04
1.17E+02	9.87E-04	-2.57E-03	-3.23E-04
1.17E+02	7.22E-04	-2.67E-03	-4.48E-04
1.17E+02	4.33E-04	-2.74E-03	-6.16E-04
1.17E+02	1.74E-04	-2.73E-03	-7.23E-04
1.17E+02	-9.56E-05	-2.64E-03	-7.44E-04
1.17E+02	-3.55E-04	-2.52E-03	-7.75E-04
1.17E+02	-6.67E-04	-2.38E-03	-7.38E-04
1.17E+02	-1.02E-03	-2.23E-03	-7.07E-04
1.17E+02	-1.32E-03	-2.13E-03	-7.06E-04
1.17E+02	-1.65E-03	-2.04E-03	-6.17E-04
1.17E+02	-2.00E-03	-2.03E-03	-5.41E-04
1.17E+02	-2.30E-03	-2.06E-03	-4.48E-04
1.17E+02	-2.56E-03	-2.09E-03	-2.52E-04
1.17E+02	-2.76E-03	-2.15E-03	-6.29E-05
1.17E+02	-2.94E-03	-2.25E-03	1.36E-04
1.17E+02	-3.11E-03	-2.35E-03	3.73E-04
1.17E+02	-3.20E-03	-2.45E-03	5.99E-04
1.17E+02	-3.28E-03	-2.54E-03	7.93E-04
1.17E+02	-3.34E-03	-2.64E-03	8.84E-04
1.17E+02	-3.31E-03	-2.75E-03	9.32E-04
1.17E+02	-3.20E-03	-2.82E-03	1.05E-03
1.17E+02	-3.00E-03	-2.87E-03	1.13E-03
1.17E+02	-2.73E-03	-2.92E-03	1.20E-03
1.17E+02	-2.42E-03	-2.96E-03	1.34E-03
1.17E+02	-2.04E-03	-3.03E-03	1.44E-03
1.17E+02	-1.64E-03	-3.15E-03	1.51E-03
1.17E+02	-1.33E-03	-3.34E-03	1.47E-03
1.17E+02	-1.06E-03	-3.58E-03	1.29E-03
1.17E+02	-8.27E-04	-3.79E-03	1.15E-03
1.17E+02	-6.49E-04	-4.02E-03	1.01E-03
1.17E+02	-5.29E-04	-4.25E-03	9.31E-04
1.17E+02	-4.96E-04	-4.44E-03	9.47E-04
1.17E+02	-4.91E-04	-4.60E-03	9.85E-04
1.17E+02	-5.27E-04	-4.71E-03	1.03E-03
1.17E+02	-6.29E-04	-4.83E-03	1.00E-03
1.17E+02	-7.01E-04	-4.96E-03	9.44E-04
1.17E+02	-7.52E-04	-5.03E-03	9.61E-04
1.17E+02	-7.64E-04	-5.10E-03	9.75E-04
1.17E+02	-7.33E-04	-5.18E-03	9.95E-04
1.17E+02	-7.19E-04	-5.23E-03	1.04E-03
1.17E+02	-6.52E-04	-5.25E-03	1.07E-03
1.17E+02	-5.28E-04	-5.24E-03	1.10E-03

1.17E+02	-3.75E-04	-5.23E-03	1.09E-03
1.17E+02	-1.64E-04	-5.23E-03	1.05E-03
1.17E+02	8.74E-05	-5.18E-03	1.08E-03
1.17E+02	4.10E-04	-5.11E-03	1.10E-03
1.18E+02	7.78E-04	-5.04E-03	1.07E-03
1.18E+02	1.12E-03	-4.95E-03	1.10E-03
1.18E+02	1.51E-03	-4.84E-03	1.13E-03
1.18E+02	1.92E-03	-4.71E-03	1.15E-03
1.18E+02	2.27E-03	-4.60E-03	1.09E-03
1.18E+02	2.60E-03	-4.54E-03	9.41E-04
1.18E+02	2.89E-03	-4.45E-03	8.73E-04
1.18E+02	3.12E-03	-4.36E-03	8.87E-04
1.18E+02	3.27E-03	-4.32E-03	8.96E-04
1.18E+02	3.30E-03	-4.29E-03	9.48E-04
1.18E+02	3.23E-03	-4.31E-03	9.53E-04
1.18E+02	3.12E-03	-4.39E-03	9.06E-04
1.18E+02	2.94E-03	-4.50E-03	8.91E-04
1.18E+02	2.74E-03	-4.66E-03	8.45E-04
1.18E+02	2.56E-03	-4.83E-03	8.29E-04
1.18E+02	2.42E-03	-4.98E-03	8.50E-04
1.18E+02	2.33E-03	-5.18E-03	8.27E-04
1.18E+02	2.22E-03	-5.38E-03	8.38E-04
1.18E+02	2.12E-03	-5.57E-03	8.48E-04
1.18E+02	2.03E-03	-5.79E-03	7.79E-04
1.18E+02	1.88E-03	-6.01E-03	6.69E-04
1.18E+02	1.67E-03	-6.27E-03	4.82E-04
1.18E+02	1.43E-03	-6.52E-03	2.37E-04
1.18E+02	1.17E-03	-6.70E-03	1.24E-05
1.18E+02	9.10E-04	-6.83E-03	-1.89E-04
1.18E+02	6.16E-04	-6.89E-03	-3.10E-04
1.18E+02	3.15E-04	-6.90E-03	-4.02E-04
1.18E+02	7.48E-05	-6.88E-03	-5.21E-04
1.18E+02	-1.71E-04	-6.85E-03	-5.77E-04
1.18E+02	-4.46E-04	-6.89E-03	-6.21E-04
1.18E+02	-6.90E-04	-6.98E-03	-6.17E-04
1.18E+02	-9.20E-04	-7.07E-03	-5.13E-04
1.18E+02	-1.16E-03	-7.20E-03	-4.58E-04
1.18E+02	-1.41E-03	-7.34E-03	-4.10E-04
1.18E+02	-1.69E-03	-7.44E-03	-2.79E-04
1.18E+02	-1.91E-03	-7.50E-03	-7.11E-05
1.18E+02	-2.12E-03	-7.53E-03	2.20E-04
1.18E+02	-2.34E-03	-7.58E-03	4.72E-04
1.18E+02	-2.51E-03	-7.64E-03	6.45E-04
1.18E+02	-2.61E-03	-7.66E-03	7.79E-04
1.18E+02	-2.64E-03	-7.69E-03	7.43E-04
1.18E+02	-2.62E-03	-7.70E-03	5.63E-04
1.18E+02	-2.54E-03	-7.67E-03	3.77E-04

1.18E+02	-2.33E-03	-7.61E-03	1.55E-04
1.18E+02	-2.08E-03	-7.52E-03	-8.13E-05
1.18E+02	-1.84E-03	-7.43E-03	-3.59E-04
1.18E+02	-1.57E-03	-7.34E-03	-6.61E-04
1.18E+02	-1.31E-03	-7.23E-03	-8.54E-04
1.18E+02	-1.07E-03	-7.15E-03	-9.98E-04
1.18E+02	-8.71E-04	-7.07E-03	-1.11E-03
1.18E+02	-7.48E-04	-7.00E-03	-1.17E-03
1.18E+02	-6.06E-04	-6.90E-03	-1.24E-03
1.18E+02	-4.70E-04	-6.78E-03	-1.29E-03
1.18E+02	-3.69E-04	-6.67E-03	-1.35E-03
1.18E+02	-2.21E-04	-6.57E-03	-1.40E-03
1.18E+02	-4.43E-05	-6.47E-03	-1.30E-03
1.18E+02	1.63E-04	-6.40E-03	-1.17E-03
1.18E+02	3.69E-04	-6.39E-03	-1.04E-03
1.18E+02	4.94E-04	-6.42E-03	-9.22E-04
1.18E+02	6.15E-04	-6.51E-03	-8.75E-04
1.18E+02	7.16E-04	-6.65E-03	-8.52E-04
1.18E+02	7.19E-04	-6.84E-03	-8.62E-04
1.18E+02	6.67E-04	-7.07E-03	-9.00E-04
1.18E+02	6.07E-04	-7.27E-03	-8.57E-04
1.18E+02	5.68E-04	-7.46E-03	-7.80E-04
1.18E+02	5.33E-04	-7.65E-03	-7.15E-04
1.18E+02	4.96E-04	-7.84E-03	-6.73E-04
1.18E+02	5.31E-04	-8.02E-03	-7.14E-04
1.18E+02	6.11E-04	-8.17E-03	-8.06E-04
1.18E+02	6.78E-04	-8.31E-03	-9.42E-04
1.18E+02	7.89E-04	-8.46E-03	-1.08E-03
1.18E+02	9.35E-04	-8.57E-03	-1.11E-03
1.18E+02	1.08E-03	-8.67E-03	-1.08E-03
1.18E+02	1.21E-03	-8.79E-03	-1.08E-03
1.18E+02	1.27E-03	-8.91E-03	-1.03E-03
1.18E+02	1.34E-03	-9.00E-03	-9.75E-04
1.18E+02	1.48E-03	-9.04E-03	-9.73E-04
1.18E+02	1.59E-03	-9.03E-03	-1.04E-03
1.18E+02	1.70E-03	-8.98E-03	-1.18E-03
1.18E+02	1.85E-03	-8.83E-03	-1.28E-03
1.18E+02	2.03E-03	-8.62E-03	-1.30E-03
1.18E+02	2.22E-03	-8.38E-03	-1.34E-03
1.18E+02	2.38E-03	-8.14E-03	-1.31E-03
1.18E+02	2.51E-03	-7.89E-03	-1.24E-03
1.18E+02	2.67E-03	-7.61E-03	-1.19E-03
1.18E+02	2.77E-03	-7.37E-03	-1.18E-03
1.18E+02	2.85E-03	-7.17E-03	-1.22E-03
1.18E+02	2.91E-03	-7.01E-03	-1.23E-03
1.18E+02	2.93E-03	-6.91E-03	-1.19E-03
1.18E+02	2.93E-03	-6.87E-03	-1.17E-03

1.18E+02	2.81E-03	-6.90E-03	-1.14E-03
1.18E+02	2.62E-03	-6.97E-03	-1.10E-03
1.18E+02	2.47E-03	-7.04E-03	-1.06E-03
1.18E+02	2.28E-03	-7.12E-03	-1.03E-03
1.18E+02	2.08E-03	-7.23E-03	-1.05E-03
1.18E+02	1.90E-03	-7.33E-03	-1.04E-03
1.18E+02	1.74E-03	-7.39E-03	-9.35E-04
1.18E+02	1.62E-03	-7.43E-03	-8.66E-04
1.18E+02	1.50E-03	-7.48E-03	-8.43E-04
1.18E+02	1.36E-03	-7.54E-03	-8.39E-04
1.18E+02	1.28E-03	-7.58E-03	-8.55E-04
1.18E+02	1.19E-03	-7.62E-03	-8.87E-04
1.18E+02	1.05E-03	-7.73E-03	-9.59E-04
1.18E+02	9.27E-04	-7.85E-03	-9.70E-04
1.18E+02	7.98E-04	-7.94E-03	-8.88E-04
1.18E+02	6.78E-04	-8.01E-03	-8.13E-04
1.18E+02	4.83E-04	-8.06E-03	-7.88E-04
1.18E+02	2.27E-04	-8.11E-03	-8.32E-04
1.18E+02	4.02E-05	-8.14E-03	-8.63E-04
1.18E+02	-1.43E-04	-8.12E-03	-8.26E-04
1.18E+02	-3.41E-04	-8.08E-03	-8.25E-04
1.18E+02	-5.04E-04	-8.01E-03	-8.48E-04
1.18E+02	-6.27E-04	-7.87E-03	-8.29E-04
1.18E+02	-7.09E-04	-7.67E-03	-8.37E-04
1.18E+02	-7.90E-04	-7.44E-03	-8.12E-04
1.18E+02	-8.87E-04	-7.16E-03	-7.00E-04
1.18E+02	-9.68E-04	-6.83E-03	-5.89E-04
1.18E+02	-1.04E-03	-6.45E-03	-5.11E-04
1.18E+02	-1.17E-03	-6.10E-03	-5.25E-04
1.18E+02	-1.31E-03	-5.76E-03	-5.93E-04
1.18E+02	-1.42E-03	-5.43E-03	-5.64E-04
1.18E+02	-1.53E-03	-5.15E-03	-4.80E-04
1.18E+02	-1.67E-03	-4.94E-03	-4.19E-04
1.18E+02	-1.85E-03	-4.77E-03	-4.04E-04
1.18E+02	-2.00E-03	-4.65E-03	-4.86E-04
1.18E+02	-2.11E-03	-4.56E-03	-6.29E-04
1.18E+02	-2.21E-03	-4.51E-03	-7.75E-04
1.18E+02	-2.27E-03	-4.50E-03	-9.09E-04
1.18E+02	-2.25E-03	-4.48E-03	-9.41E-04
1.18E+02	-2.15E-03	-4.44E-03	-8.72E-04
1.18E+02	-1.98E-03	-4.42E-03	-7.47E-04
1.18E+02	-1.79E-03	-4.39E-03	-5.28E-04
1.18E+02	-1.52E-03	-4.39E-03	-2.89E-04
1.18E+02	-1.19E-03	-4.40E-03	-4.56E-05
1.18E+02	-8.93E-04	-4.50E-03	1.71E-04
1.18E+02	-5.98E-04	-4.69E-03	2.52E-04
1.18E+02	-2.66E-04	-4.90E-03	2.95E-04

1.18E+02	7.42E-05	-5.13E-03	3.09E-04
1.18E+02	4.00E-04	-5.35E-03	2.50E-04
1.18E+02	6.76E-04	-5.53E-03	2.27E-04
1.18E+02	9.59E-04	-5.67E-03	2.30E-04
1.18E+02	1.27E-03	-5.75E-03	2.04E-04
1.18E+02	1.53E-03	-5.79E-03	1.08E-04
1.18E+02	1.74E-03	-5.84E-03	-8.14E-05
1.18E+02	1.94E-03	-5.85E-03	-2.29E-04
1.18E+02	2.14E-03	-5.82E-03	-2.68E-04
1.18E+02	2.29E-03	-5.81E-03	-2.82E-04
1.18E+02	2.33E-03	-5.83E-03	-2.62E-04
1.18E+02	2.32E-03	-5.85E-03	-2.15E-04
1.18E+02	2.31E-03	-5.88E-03	-1.40E-04
1.18E+02	2.26E-03	-5.91E-03	-7.06E-06
1.18E+02	2.21E-03	-5.95E-03	1.17E-04
1.18E+02	2.23E-03	-5.98E-03	2.53E-04
1.18E+02	2.33E-03	-5.99E-03	4.41E-04
1.18E+02	2.47E-03	-5.98E-03	6.07E-04
1.18E+02	2.62E-03	-5.96E-03	7.49E-04
1.18E+02	2.77E-03	-5.92E-03	8.62E-04
1.18E+02	2.98E-03	-5.84E-03	9.20E-04
1.18E+02	3.18E-03	-5.77E-03	9.50E-04
1.18E+02	3.33E-03	-5.70E-03	9.21E-04
1.18E+02	3.44E-03	-5.62E-03	8.58E-04
1.18E+02	3.53E-03	-5.50E-03	7.83E-04
1.18E+02	3.56E-03	-5.37E-03	6.15E-04
1.18E+02	3.49E-03	-5.21E-03	4.18E-04
1.18E+02	3.33E-03	-5.01E-03	2.59E-04
1.18E+02	3.17E-03	-4.79E-03	1.21E-04
1.18E+02	2.98E-03	-4.54E-03	1.56E-05
1.18E+02	2.73E-03	-4.32E-03	-1.21E-04
1.18E+02	2.52E-03	-4.13E-03	-2.37E-04
1.18E+02	2.35E-03	-3.91E-03	-2.16E-04
1.18E+02	2.21E-03	-3.74E-03	-1.34E-04
1.18E+02	2.04E-03	-3.60E-03	-3.59E-05
1.18E+02	1.83E-03	-3.47E-03	6.43E-05
1.18E+02	1.69E-03	-3.36E-03	1.24E-04
1.18E+02	1.54E-03	-3.26E-03	1.74E-04
1.18E+02	1.35E-03	-3.17E-03	2.24E-04
1.18E+02	1.17E-03	-3.09E-03	2.95E-04
1.18E+02	1.03E-03	-2.96E-03	4.56E-04
1.18E+02	9.22E-04	-2.82E-03	6.78E-04
1.18E+02	7.73E-04	-2.72E-03	9.31E-04
1.18E+02	5.87E-04	-2.61E-03	1.19E-03
1.18E+02	4.39E-04	-2.50E-03	1.38E-03
1.18E+02	2.61E-04	-2.42E-03	1.50E-03
1.18E+02	1.47E-05	-2.37E-03	1.52E-03

1.18E+02	-2.43E-04	-2.34E-03	1.43E-03
1.18E+02	-4.63E-04	-2.28E-03	1.36E-03
1.18E+02	-6.50E-04	-2.19E-03	1.32E-03
1.18E+02	-8.68E-04	-2.10E-03	1.25E-03
1.18E+02	-1.13E-03	-2.00E-03	1.11E-03
1.18E+02	-1.34E-03	-1.89E-03	8.71E-04
1.18E+02	-1.48E-03	-1.73E-03	6.55E-04
1.18E+02	-1.62E-03	-1.58E-03	4.91E-04
1.18E+02	-1.72E-03	-1.45E-03	3.12E-04
1.18E+02	-1.74E-03	-1.32E-03	1.90E-04
1.18E+02	-1.68E-03	-1.22E-03	8.39E-05
1.18E+02	-1.57E-03	-1.17E-03	-4.46E-05
1.18E+02	-1.46E-03	-1.17E-03	-9.23E-05
1.18E+02	-1.28E-03	-1.18E-03	-1.04E-04
1.18E+02	-1.05E-03	-1.20E-03	-1.54E-04
1.18E+02	-8.54E-04	-1.22E-03	-2.65E-04
1.19E+02	-6.66E-04	-1.21E-03	-4.01E-04
1.19E+02	-4.91E-04	-1.16E-03	-3.77E-04
1.19E+02	-2.98E-04	-1.07E-03	-1.96E-04
1.19E+02	-1.26E-04	-9.94E-04	1.83E-05
1.19E+02	-4.44E-05	-9.52E-04	3.01E-04
1.19E+02	4.37E-05	-9.29E-04	6.31E-04
1.19E+02	1.69E-04	-9.21E-04	9.28E-04
1.19E+02	2.88E-04	-8.99E-04	1.11E-03
1.19E+02	4.14E-04	-8.65E-04	1.14E-03
1.19E+02	5.75E-04	-7.80E-04	1.14E-03
1.19E+02	7.78E-04	-6.25E-04	1.10E-03
1.19E+02	9.83E-04	-4.73E-04	9.51E-04
1.19E+02	1.17E-03	-3.18E-04	8.38E-04
1.19E+02	1.37E-03	-1.72E-04	7.76E-04
1.19E+02	1.59E-03	-6.69E-05	7.30E-04
1.19E+02	1.76E-03	2.40E-05	6.76E-04
1.19E+02	1.89E-03	7.02E-05	5.72E-04
1.19E+02	2.02E-03	1.58E-04	5.15E-04
1.19E+02	2.18E-03	2.80E-04	5.57E-04
1.19E+02	2.31E-03	3.59E-04	6.06E-04
1.19E+02	2.39E-03	4.77E-04	6.03E-04
1.19E+02	2.45E-03	5.60E-04	5.60E-04
1.19E+02	2.56E-03	6.26E-04	5.46E-04
1.19E+02	2.62E-03	7.14E-04	5.26E-04
1.19E+02	2.65E-03	7.31E-04	4.27E-04
1.19E+02	2.68E-03	7.57E-04	3.58E-04
1.19E+02	2.68E-03	8.39E-04	3.60E-04
1.19E+02	2.68E-03	9.33E-04	3.49E-04
1.19E+02	2.62E-03	1.02E-03	3.04E-04
1.19E+02	2.52E-03	1.13E-03	3.17E-04
1.19E+02	2.43E-03	1.29E-03	4.15E-04

1.19E+02	2.33E-03	1.49E-03	5.04E-04
1.19E+02	2.17E-03	1.64E-03	6.36E-04
1.19E+02	2.02E-03	1.78E-03	8.03E-04
1.19E+02	1.90E-03	1.97E-03	9.14E-04
1.19E+02	1.80E-03	2.14E-03	9.78E-04
1.19E+02	1.69E-03	2.28E-03	1.04E-03
1.19E+02	1.55E-03	2.42E-03	1.15E-03
1.19E+02	1.47E-03	2.55E-03	1.29E-03
1.19E+02	1.38E-03	2.67E-03	1.46E-03
1.19E+02	1.23E-03	2.75E-03	1.57E-03
1.19E+02	1.09E-03	2.77E-03	1.56E-03
1.19E+02	9.74E-04	2.79E-03	1.55E-03
1.19E+02	8.84E-04	2.77E-03	1.46E-03
1.19E+02	8.09E-04	2.73E-03	1.30E-03
1.19E+02	7.35E-04	2.74E-03	1.16E-03
1.19E+02	7.16E-04	2.77E-03	9.87E-04
1.19E+02	7.39E-04	2.84E-03	8.21E-04
1.19E+02	7.05E-04	2.90E-03	6.37E-04
1.19E+02	6.63E-04	2.99E-03	4.80E-04
1.19E+02	6.30E-04	3.15E-03	3.28E-04
1.19E+02	5.85E-04	3.27E-03	1.41E-04
1.19E+02	5.45E-04	3.43E-03	2.16E-05
1.19E+02	4.38E-04	3.59E-03	-6.01E-05
1.19E+02	3.41E-04	3.71E-03	-1.28E-04
1.19E+02	2.97E-04	3.84E-03	-1.60E-04
1.19E+02	1.95E-04	3.89E-03	-1.89E-04
1.19E+02	9.04E-05	3.88E-03	-1.78E-04
1.19E+02	4.12E-05	3.89E-03	-9.08E-05
1.19E+02	1.51E-05	3.89E-03	4.29E-05
1.19E+02	7.06E-06	3.88E-03	2.08E-04
1.19E+02	-1.89E-05	3.92E-03	4.13E-04
1.19E+02	-2.56E-05	3.98E-03	6.36E-04
1.19E+02	5.34E-06	4.08E-03	8.43E-04
1.19E+02	-1.22E-05	4.20E-03	8.92E-04
1.19E+02	-3.40E-05	4.32E-03	7.47E-04
1.19E+02	-9.35E-06	4.47E-03	5.60E-04
1.19E+02	4.77E-05	4.65E-03	3.82E-04
1.19E+02	1.35E-04	4.84E-03	2.70E-04
1.19E+02	2.18E-04	5.04E-03	2.29E-04
1.19E+02	3.29E-04	5.20E-03	2.33E-04
1.19E+02	4.64E-04	5.38E-03	3.23E-04
1.19E+02	5.30E-04	5.52E-03	4.21E-04
1.19E+02	5.44E-04	5.60E-03	4.63E-04
1.19E+02	5.51E-04	5.76E-03	5.23E-04
1.19E+02	5.01E-04	5.97E-03	5.58E-04
1.19E+02	3.79E-04	6.16E-03	4.94E-04
1.19E+02	1.75E-04	6.40E-03	4.81E-04

1.19E+02	-9.90E-05	6.60E-03	5.21E-04
1.19E+02	-3.70E-04	6.79E-03	5.43E-04
1.19E+02	-7.10E-04	6.94E-03	5.58E-04
1.19E+02	-1.11E-03	6.98E-03	4.71E-04
1.19E+02	-1.44E-03	7.01E-03	4.50E-04
1.19E+02	-1.73E-03	7.02E-03	5.63E-04
1.19E+02	-1.97E-03	7.01E-03	6.03E-04
1.19E+02	-2.16E-03	7.01E-03	5.85E-04
1.19E+02	-2.33E-03	7.01E-03	5.32E-04
1.19E+02	-2.39E-03	7.03E-03	5.20E-04
1.19E+02	-2.41E-03	7.01E-03	5.90E-04
1.19E+02	-2.45E-03	6.91E-03	6.69E-04
1.19E+02	-2.45E-03	6.80E-03	8.00E-04
1.19E+02	-2.47E-03	6.65E-03	9.46E-04
1.19E+02	-2.47E-03	6.47E-03	1.06E-03
1.19E+02	-2.49E-03	6.31E-03	1.16E-03
1.19E+02	-2.53E-03	6.21E-03	1.21E-03
1.19E+02	-2.50E-03	6.20E-03	1.21E-03
1.19E+02	-2.47E-03	6.24E-03	1.18E-03
1.19E+02	-2.44E-03	6.25E-03	1.10E-03
1.19E+02	-2.37E-03	6.24E-03	1.00E-03
1.19E+02	-2.22E-03	6.23E-03	9.27E-04
1.19E+02	-2.04E-03	6.18E-03	8.34E-04
1.19E+02	-1.92E-03	6.07E-03	7.18E-04
1.19E+02	-1.88E-03	5.93E-03	5.95E-04
1.19E+02	-1.83E-03	5.81E-03	4.30E-04
1.19E+02	-1.82E-03	5.74E-03	2.58E-04
1.19E+02	-1.89E-03	5.65E-03	3.91E-05
1.19E+02	-2.00E-03	5.54E-03	-1.59E-04
1.19E+02	-2.13E-03	5.47E-03	-1.86E-04
1.19E+02	-2.26E-03	5.41E-03	-1.37E-04
1.19E+02	-2.44E-03	5.33E-03	-8.93E-05
1.19E+02	-2.65E-03	5.23E-03	-2.04E-05
1.19E+02	-2.81E-03	5.15E-03	7.19E-05
1.19E+02	-2.97E-03	5.08E-03	2.04E-04
1.19E+02	-3.15E-03	5.00E-03	2.85E-04
1.19E+02	-3.30E-03	4.93E-03	3.00E-04
1.19E+02	-3.40E-03	4.90E-03	3.62E-04
1.19E+02	-3.46E-03	4.89E-03	4.38E-04
1.19E+02	-3.49E-03	4.87E-03	4.99E-04
1.19E+02	-3.54E-03	4.83E-03	5.15E-04
1.19E+02	-3.56E-03	4.80E-03	4.06E-04
1.19E+02	-3.55E-03	4.77E-03	2.24E-04
1.19E+02	-3.55E-03	4.72E-03	3.89E-05
1.19E+02	-3.49E-03	4.67E-03	-9.71E-05
1.19E+02	-3.37E-03	4.68E-03	-1.10E-04
1.19E+02	-3.19E-03	4.72E-03	-1.07E-04

1.19E+02	-2.96E-03	4.73E-03	-1.88E-04
1.19E+02	-2.74E-03	4.72E-03	-3.19E-04
1.19E+02	-2.47E-03	4.71E-03	-5.12E-04
1.19E+02	-2.13E-03	4.75E-03	-6.79E-04
1.19E+02	-1.81E-03	4.80E-03	-8.64E-04
1.19E+02	-1.52E-03	4.81E-03	-1.13E-03
1.19E+02	-1.22E-03	4.86E-03	-1.26E-03
1.19E+02	-9.59E-04	4.94E-03	-1.29E-03
1.19E+02	-7.64E-04	4.98E-03	-1.29E-03
1.19E+02	-6.52E-04	5.03E-03	-1.25E-03
1.19E+02	-5.98E-04	5.08E-03	-1.26E-03
1.19E+02	-5.38E-04	5.11E-03	-1.29E-03
1.19E+02	-5.29E-04	5.10E-03	-1.25E-03
1.19E+02	-5.70E-04	5.06E-03	-1.17E-03
1.19E+02	-6.21E-04	5.01E-03	-1.04E-03
1.19E+02	-7.08E-04	4.96E-03	-8.82E-04
1.19E+02	-8.13E-04	4.86E-03	-7.64E-04
1.19E+02	-9.79E-04	4.74E-03	-6.54E-04
1.19E+02	-1.20E-03	4.64E-03	-6.20E-04
1.19E+02	-1.40E-03	4.55E-03	-7.00E-04
1.19E+02	-1.65E-03	4.45E-03	-8.40E-04
1.19E+02	-1.94E-03	4.31E-03	-1.05E-03
1.19E+02	-2.21E-03	4.17E-03	-1.24E-03
1.19E+02	-2.47E-03	4.02E-03	-1.39E-03
1.19E+02	-2.70E-03	3.84E-03	-1.54E-03
1.19E+02	-2.94E-03	3.64E-03	-1.64E-03
1.19E+02	-3.16E-03	3.44E-03	-1.65E-03
1.19E+02	-3.27E-03	3.25E-03	-1.57E-03
1.19E+02	-3.38E-03	3.05E-03	-1.44E-03
1.19E+02	-3.48E-03	2.86E-03	-1.34E-03
1.19E+02	-3.54E-03	2.71E-03	-1.31E-03
1.19E+02	-3.59E-03	2.58E-03	-1.26E-03
1.19E+02	-3.61E-03	2.46E-03	-1.21E-03
1.19E+02	-3.62E-03	2.36E-03	-1.13E-03
1.19E+02	-3.61E-03	2.30E-03	-9.34E-04
1.19E+02	-3.49E-03	2.25E-03	-6.75E-04
1.19E+02	-3.36E-03	2.19E-03	-3.95E-04
1.19E+02	-3.27E-03	2.13E-03	-1.94E-04
1.19E+02	-3.12E-03	2.07E-03	-7.65E-05
1.19E+02	-2.91E-03	2.04E-03	3.19E-05
1.19E+02	-2.68E-03	2.02E-03	2.19E-05
1.19E+02	-2.46E-03	2.02E-03	-3.32E-05
1.19E+02	-2.27E-03	2.03E-03	-8.79E-05
1.19E+02	-2.06E-03	2.03E-03	-1.71E-04
1.19E+02	-1.85E-03	2.05E-03	-2.35E-04
1.19E+02	-1.74E-03	2.04E-03	-3.81E-04
1.19E+02	-1.64E-03	2.01E-03	-5.91E-04

1.19E+02	-1.53E-03	2.02E-03	-7.67E-04
1.19E+02	-1.42E-03	2.04E-03	-9.19E-04
1.19E+02	-1.33E-03	2.07E-03	-1.07E-03
1.19E+02	-1.26E-03	2.11E-03	-1.20E-03
1.19E+02	-1.14E-03	2.20E-03	-1.29E-03
1.19E+02	-1.01E-03	2.30E-03	-1.36E-03
1.19E+02	-9.06E-04	2.37E-03	-1.44E-03
1.19E+02	-7.65E-04	2.43E-03	-1.54E-03
1.19E+02	-5.93E-04	2.51E-03	-1.56E-03
1.19E+02	-4.10E-04	2.60E-03	-1.57E-03
1.19E+02	-2.33E-04	2.63E-03	-1.65E-03
1.19E+02	-1.24E-04	2.68E-03	-1.69E-03
1.19E+02	-3.30E-05	2.73E-03	-1.70E-03
1.19E+02	4.18E-05	2.78E-03	-1.65E-03
1.19E+02	5.34E-06	2.78E-03	-1.56E-03
1.19E+02	-9.73E-05	2.71E-03	-1.41E-03
1.19E+02	-2.17E-04	2.65E-03	-1.13E-03
1.19E+02	-3.54E-04	2.56E-03	-8.42E-04
1.19E+02	-4.94E-04	2.40E-03	-6.70E-04
1.19E+02	-6.83E-04	2.22E-03	-5.98E-04
1.19E+02	-8.69E-04	2.05E-03	-6.41E-04
1.19E+02	-1.00E-03	1.92E-03	-7.30E-04
1.19E+02	-1.15E-03	1.81E-03	-8.13E-04
1.19E+02	-1.27E-03	1.70E-03	-9.12E-04
1.19E+02	-1.34E-03	1.61E-03	-9.33E-04
1.19E+02	-1.38E-03	1.52E-03	-8.54E-04
1.19E+02	-1.38E-03	1.45E-03	-7.90E-04
1.19E+02	-1.43E-03	1.40E-03	-7.57E-04
1.20E+02	-1.48E-03	1.42E-03	-7.63E-04
1.20E+02	-1.48E-03	1.54E-03	-8.23E-04
1.20E+02	-1.50E-03	1.72E-03	-9.58E-04
1.20E+02	-1.55E-03	1.91E-03	-1.18E-03
1.20E+02	-1.58E-03	2.12E-03	-1.37E-03
1.20E+02	-1.62E-03	2.34E-03	-1.54E-03
1.20E+02	-1.66E-03	2.52E-03	-1.74E-03
1.20E+02	-1.74E-03	2.66E-03	-1.89E-03
1.20E+02	-1.81E-03	2.81E-03	-1.97E-03
1.20E+02	-1.84E-03	2.96E-03	-1.97E-03
1.20E+02	-1.85E-03	3.13E-03	-1.92E-03
1.20E+02	-1.86E-03	3.28E-03	-1.89E-03
1.20E+02	-1.82E-03	3.44E-03	-1.80E-03
1.20E+02	-1.74E-03	3.65E-03	-1.59E-03
1.20E+02	-1.65E-03	3.83E-03	-1.41E-03
1.20E+02	-1.56E-03	3.98E-03	-1.21E-03
1.20E+02	-1.47E-03	4.13E-03	-9.73E-04
1.20E+02	-1.34E-03	4.24E-03	-7.41E-04
1.20E+02	-1.25E-03	4.32E-03	-5.12E-04

1.20E+02	-1.22E-03	4.35E-03	-3.91E-04
1.20E+02	-1.22E-03	4.36E-03	-3.46E-04
1.20E+02	-1.25E-03	4.37E-03	-2.71E-04
1.20E+02	-1.33E-03	4.38E-03	-2.72E-04
1.20E+02	-1.45E-03	4.39E-03	-3.38E-04
1.20E+02	-1.63E-03	4.42E-03	-3.77E-04
1.20E+02	-1.77E-03	4.49E-03	-3.90E-04
1.20E+02	-1.94E-03	4.57E-03	-4.13E-04
1.20E+02	-2.15E-03	4.62E-03	-5.44E-04
1.20E+02	-2.34E-03	4.65E-03	-7.23E-04
1.20E+02	-2.51E-03	4.69E-03	-8.06E-04
1.20E+02	-2.64E-03	4.73E-03	-8.47E-04
1.20E+02	-2.75E-03	4.74E-03	-8.67E-04
1.20E+02	-2.88E-03	4.76E-03	-8.10E-04
1.20E+02	-2.94E-03	4.78E-03	-7.14E-04
1.20E+02	-2.96E-03	4.80E-03	-6.04E-04
1.20E+02	-2.99E-03	4.78E-03	-5.19E-04
1.20E+02	-2.96E-03	4.75E-03	-3.95E-04
1.20E+02	-2.89E-03	4.74E-03	-1.39E-04
1.20E+02	-2.82E-03	4.72E-03	1.09E-04
1.20E+02	-2.75E-03	4.65E-03	2.97E-04
1.20E+02	-2.71E-03	4.60E-03	4.88E-04
1.20E+02	-2.67E-03	4.58E-03	6.18E-04
1.20E+02	-2.65E-03	4.57E-03	6.49E-04
1.20E+02	-2.70E-03	4.54E-03	5.34E-04
1.20E+02	-2.75E-03	4.50E-03	2.84E-04
1.20E+02	-2.77E-03	4.47E-03	1.07E-04
1.20E+02	-2.74E-03	4.45E-03	4.69E-05
1.20E+02	-2.67E-03	4.39E-03	3.97E-05
1.20E+02	-2.61E-03	4.32E-03	9.12E-05
1.20E+02	-2.49E-03	4.26E-03	1.44E-04
1.20E+02	-2.33E-03	4.21E-03	2.14E-04
1.20E+02	-2.15E-03	4.17E-03	2.65E-04
1.20E+02	-1.95E-03	4.15E-03	2.39E-04
1.20E+02	-1.73E-03	4.19E-03	2.60E-04
1.20E+02	-1.47E-03	4.28E-03	2.75E-04
1.20E+02	-1.22E-03	4.35E-03	2.28E-04
1.20E+02	-1.01E-03	4.42E-03	2.55E-04
1.20E+02	-8.25E-04	4.54E-03	3.33E-04
1.20E+02	-6.70E-04	4.67E-03	4.17E-04
1.20E+02	-6.21E-04	4.82E-03	4.73E-04
1.20E+02	-6.64E-04	4.98E-03	4.17E-04
1.20E+02	-7.40E-04	5.18E-03	3.68E-04
1.20E+02	-8.56E-04	5.43E-03	3.64E-04
1.20E+02	-1.02E-03	5.68E-03	3.16E-04
1.20E+02	-1.24E-03	5.90E-03	3.05E-04
1.20E+02	-1.46E-03	6.10E-03	3.31E-04

1.20E+02	-1.63E-03	6.26E-03	3.63E-04
1.20E+02	-1.79E-03	6.34E-03	3.98E-04
1.20E+02	-1.93E-03	6.34E-03	3.48E-04
1.20E+02	-2.00E-03	6.29E-03	2.90E-04
1.20E+02	-1.99E-03	6.23E-03	2.92E-04
1.20E+02	-1.93E-03	6.11E-03	2.60E-04
1.20E+02	-1.86E-03	5.95E-03	2.36E-04
1.20E+02	-1.77E-03	5.74E-03	2.59E-04
1.20E+02	-1.65E-03	5.52E-03	2.59E-04
1.20E+02	-1.54E-03	5.23E-03	2.13E-04
1.20E+02	-1.46E-03	4.86E-03	7.02E-05
1.20E+02	-1.35E-03	4.51E-03	-6.24E-05
1.20E+02	-1.22E-03	4.19E-03	-1.24E-04
1.20E+02	-1.06E-03	3.86E-03	-2.84E-04
1.20E+02	-9.24E-04	3.56E-03	-4.81E-04
1.20E+02	-7.98E-04	3.33E-03	-6.27E-04
1.20E+02	-6.33E-04	3.15E-03	-7.70E-04
1.20E+02	-4.87E-04	2.97E-03	-8.87E-04
1.20E+02	-3.68E-04	2.79E-03	-9.72E-04
1.20E+02	-2.26E-04	2.64E-03	-9.36E-04
1.20E+02	-8.74E-05	2.54E-03	-7.78E-04
1.20E+02	2.46E-05	2.42E-03	-6.65E-04
1.20E+02	7.06E-05	2.30E-03	-5.57E-04
1.20E+02	4.60E-05	2.22E-03	-4.33E-04
1.20E+02	7.25E-06	2.14E-03	-3.84E-04
1.20E+02	-1.04E-04	2.06E-03	-3.52E-04
1.20E+02	-3.09E-04	1.96E-03	-3.49E-04
1.20E+02	-5.21E-04	1.84E-03	-3.56E-04
1.20E+02	-7.35E-04	1.76E-03	-2.87E-04
1.20E+02	-9.31E-04	1.72E-03	-2.45E-04
1.20E+02	-1.12E-03	1.68E-03	-2.77E-04
1.20E+02	-1.32E-03	1.68E-03	-3.37E-04
1.20E+02	-1.39E-03	1.76E-03	-4.02E-04
1.20E+02	-1.36E-03	1.92E-03	-4.24E-04
1.20E+02	-1.32E-03	2.08E-03	-4.62E-04
1.20E+02	-1.20E-03	2.25E-03	-4.99E-04
1.20E+02	-1.01E-03	2.43E-03	-4.54E-04
1.20E+02	-7.78E-04	2.56E-03	-3.94E-04
1.20E+02	-5.46E-04	2.62E-03	-3.01E-04
1.20E+02	-3.50E-04	2.65E-03	-7.92E-05
1.20E+02	-1.39E-04	2.66E-03	2.43E-04
1.20E+02	9.14E-05	2.63E-03	6.19E-04
1.20E+02	2.53E-04	2.56E-03	9.55E-04
1.20E+02	4.12E-04	2.46E-03	1.24E-03
1.20E+02	6.21E-04	2.36E-03	1.60E-03
1.20E+02	8.28E-04	2.22E-03	1.92E-03
1.20E+02	1.05E-03	2.03E-03	2.14E-03

1.20E+02	1.25E-03	1.83E-03	2.35E-03
1.20E+02	1.45E-03	1.58E-03	2.48E-03
1.20E+02	1.69E-03	1.34E-03	2.47E-03
1.20E+02	1.87E-03	1.06E-03	2.34E-03
1.20E+02	2.03E-03	7.50E-04	2.15E-03
1.20E+02	2.17E-03	4.92E-04	2.01E-03
1.20E+02	2.22E-03	2.11E-04	1.82E-03
1.20E+02	2.24E-03	-3.99E-05	1.59E-03
1.20E+02	2.20E-03	-2.77E-04	1.45E-03
1.20E+02	2.14E-03	-5.30E-04	1.39E-03
1.20E+02	2.14E-03	-7.10E-04	1.49E-03
1.20E+02	2.09E-03	-8.67E-04	1.60E-03
1.20E+02	2.08E-03	-1.01E-03	1.52E-03
1.20E+02	2.17E-03	-9.73E-04	1.35E-03
1.20E+02	2.30E-03	-8.75E-04	1.25E-03
1.20E+02	2.41E-03	-7.93E-04	1.11E-03
1.20E+02	2.55E-03	-6.20E-04	9.07E-04
1.20E+02	2.70E-03	-4.30E-04	8.50E-04
1.20E+02	2.77E-03	-2.28E-04	8.74E-04
1.20E+02	2.79E-03	-8.49E-05	8.57E-04
1.20E+02	2.73E-03	5.91E-06	8.56E-04
1.20E+02	2.65E-03	1.75E-04	9.32E-04
1.20E+02	2.49E-03	3.08E-04	9.71E-04
1.20E+02	2.28E-03	4.33E-04	9.09E-04
1.20E+02	2.05E-03	5.46E-04	9.20E-04
1.20E+02	1.77E-03	6.13E-04	9.64E-04
1.20E+02	1.58E-03	6.98E-04	1.00E-03
1.20E+02	1.36E-03	7.12E-04	1.11E-03
1.20E+02	1.10E-03	6.26E-04	1.13E-03
1.20E+02	9.51E-04	4.77E-04	1.15E-03
1.20E+02	8.00E-04	3.28E-04	1.28E-03
1.20E+02	7.04E-04	2.15E-04	1.26E-03
1.20E+02	6.37E-04	1.30E-04	1.17E-03
1.20E+02	6.09E-04	1.11E-04	1.07E-03
1.20E+02	6.48E-04	1.64E-04	8.95E-04
1.20E+02	6.41E-04	2.56E-04	7.89E-04
1.20E+02	6.31E-04	3.24E-04	6.74E-04
1.20E+02	6.35E-04	3.80E-04	6.82E-04
1.20E+02	6.13E-04	4.66E-04	9.02E-04
1.20E+02	5.95E-04	5.02E-04	1.09E-03
1.20E+02	5.81E-04	5.16E-04	1.29E-03
1.20E+02	5.67E-04	5.91E-04	1.49E-03
1.20E+02	5.74E-04	7.22E-04	1.61E-03
1.20E+02	6.22E-04	9.34E-04	1.68E-03
1.20E+02	7.09E-04	1.15E-03	1.61E-03
1.20E+02	8.41E-04	1.31E-03	1.52E-03
1.20E+02	1.01E-03	1.50E-03	1.49E-03

1.20E+02	1.21E-03	1.61E-03	1.39E-03
1.20E+02	1.40E-03	1.62E-03	1.26E-03
1.20E+02	1.53E-03	1.58E-03	1.14E-03
1.20E+02	1.66E-03	1.58E-03	1.04E-03
1.20E+02	1.81E-03	1.61E-03	1.01E-03
1.20E+02	1.89E-03	1.64E-03	9.68E-04
1.20E+02	1.97E-03	1.73E-03	9.36E-04
1.20E+02	2.01E-03	1.85E-03	9.75E-04
1.20E+02	2.06E-03	1.93E-03	9.44E-04
1.20E+02	2.14E-03	1.99E-03	8.81E-04
1.20E+02	2.18E-03	2.02E-03	8.55E-04
1.20E+02	2.30E-03	2.04E-03	7.87E-04
1.20E+02	2.50E-03	2.09E-03	7.59E-04
1.20E+02	2.67E-03	2.13E-03	7.83E-04
1.20E+02	2.89E-03	2.17E-03	8.42E-04
1.20E+02	3.10E-03	2.23E-03	1.02E-03
1.20E+02	3.31E-03	2.24E-03	1.24E-03
1.20E+02	3.45E-03	2.18E-03	1.43E-03
1.20E+02	3.47E-03	2.07E-03	1.65E-03
1.20E+02	3.51E-03	1.90E-03	1.85E-03
1.20E+02	3.54E-03	1.69E-03	2.06E-03
1.20E+02	3.50E-03	1.41E-03	2.23E-03
1.20E+02	3.44E-03	1.05E-03	2.31E-03
1.20E+02	3.34E-03	6.82E-04	2.38E-03
1.20E+02	3.25E-03	3.11E-04	2.33E-03
1.20E+02	3.15E-03	-8.34E-05	2.09E-03
1.20E+02	2.97E-03	-4.28E-04	1.87E-03
1.20E+02	2.82E-03	-7.02E-04	1.66E-03
1.20E+02	2.69E-03	-9.18E-04	1.49E-03
1.20E+02	2.55E-03	-1.08E-03	1.37E-03
1.20E+02	2.41E-03	-1.22E-03	1.19E-03
1.20E+02	2.27E-03	-1.32E-03	1.07E-03
1.20E+02	2.09E-03	-1.35E-03	9.18E-04
1.20E+02	1.89E-03	-1.35E-03	6.56E-04
1.20E+02	1.64E-03	-1.30E-03	4.80E-04
1.20E+02	1.34E-03	-1.22E-03	3.76E-04
1.20E+02	1.10E-03	-1.14E-03	3.00E-04
1.20E+02	8.15E-04	-1.08E-03	2.49E-04
1.20E+02	5.19E-04	-1.08E-03	1.53E-04
1.20E+02	2.97E-04	-1.07E-03	1.11E-04
1.21E+02	1.32E-04	-1.03E-03	1.25E-04
1.21E+02	9.19E-05	-1.00E-03	1.22E-04
1.21E+02	1.15E-04	-9.59E-04	2.04E-04
1.21E+02	2.01E-04	-9.00E-04	3.54E-04
1.21E+02	4.08E-04	-8.51E-04	5.16E-04
1.21E+02	6.11E-04	-8.38E-04	6.30E-04
1.21E+02	7.98E-04	-9.06E-04	6.09E-04

1.21E+02	9.96E-04	-1.01E-03	5.47E-04
1.21E+02	1.16E-03	-1.12E-03	4.84E-04
1.21E+02	1.30E-03	-1.28E-03	4.02E-04
1.21E+02	1.37E-03	-1.42E-03	4.20E-04
1.21E+02	1.36E-03	-1.52E-03	4.98E-04
1.21E+02	1.37E-03	-1.62E-03	5.29E-04
1.21E+02	1.35E-03	-1.71E-03	5.12E-04
1.21E+02	1.25E-03	-1.79E-03	3.46E-04
1.21E+02	1.16E-03	-1.86E-03	5.46E-05
1.21E+02	1.12E-03	-1.88E-03	-2.34E-04
1.21E+02	1.12E-03	-1.89E-03	-5.25E-04
1.21E+02	1.12E-03	-1.89E-03	-7.41E-04
1.21E+02	1.14E-03	-1.87E-03	-8.26E-04
1.21E+02	1.22E-03	-1.83E-03	-7.89E-04
1.21E+02	1.31E-03	-1.77E-03	-6.04E-04
1.21E+02	1.34E-03	-1.70E-03	-4.15E-04
1.21E+02	1.36E-03	-1.65E-03	-2.92E-04
1.21E+02	1.41E-03	-1.54E-03	-1.69E-04
1.21E+02	1.46E-03	-1.43E-03	-1.26E-04
1.21E+02	1.48E-03	-1.37E-03	-1.30E-04
1.21E+02	1.46E-03	-1.34E-03	-5.63E-05
1.21E+02	1.44E-03	-1.35E-03	4.52E-05
1.21E+02	1.39E-03	-1.44E-03	1.17E-04
1.21E+02	1.27E-03	-1.58E-03	1.28E-04
1.21E+02	1.13E-03	-1.74E-03	1.18E-04
1.21E+02	9.99E-04	-1.85E-03	1.64E-04
1.21E+02	9.08E-04	-1.92E-03	1.71E-04
1.21E+02	8.42E-04	-1.99E-03	1.26E-04
1.21E+02	7.69E-04	-2.03E-03	1.50E-04
1.21E+02	7.51E-04	-2.01E-03	2.16E-04
1.21E+02	7.51E-04	-2.01E-03	2.65E-04
1.21E+02	7.21E-04	-2.04E-03	2.41E-04
1.21E+02	7.29E-04	-2.08E-03	1.59E-04
1.21E+02	7.72E-04	-2.12E-03	1.75E-04
1.21E+02	8.24E-04	-2.17E-03	2.48E-04
1.21E+02	8.75E-04	-2.22E-03	2.90E-04
1.21E+02	8.87E-04	-2.24E-03	3.83E-04
1.21E+02	9.16E-04	-2.21E-03	5.13E-04
1.21E+02	9.62E-04	-2.15E-03	6.80E-04
1.21E+02	9.67E-04	-2.12E-03	8.29E-04
1.21E+02	9.90E-04	-2.13E-03	9.19E-04
1.21E+02	1.03E-03	-2.15E-03	1.02E-03
1.21E+02	1.08E-03	-2.19E-03	1.04E-03
1.21E+02	1.16E-03	-2.30E-03	9.71E-04
1.21E+02	1.24E-03	-2.42E-03	9.05E-04
1.21E+02	1.34E-03	-2.55E-03	7.95E-04
1.21E+02	1.49E-03	-2.65E-03	6.59E-04

1.21E+02	1.62E-03	-2.74E-03	4.84E-04
1.21E+02	1.73E-03	-2.84E-03	2.47E-04
1.21E+02	1.87E-03	-2.89E-03	9.46E-05
1.21E+02	2.03E-03	-2.88E-03	3.70E-05
1.21E+02	2.19E-03	-2.88E-03	-1.89E-05
1.21E+02	2.31E-03	-2.86E-03	-3.13E-05
1.21E+02	2.41E-03	-2.83E-03	-6.22E-05
1.21E+02	2.54E-03	-2.83E-03	-1.40E-04
1.21E+02	2.64E-03	-2.84E-03	-2.01E-04
1.21E+02	2.70E-03	-2.89E-03	-3.15E-04
1.21E+02	2.76E-03	-2.93E-03	-3.85E-04
1.21E+02	2.82E-03	-2.94E-03	-3.21E-04
1.21E+02	2.85E-03	-2.95E-03	-2.22E-04
1.21E+02	2.82E-03	-2.94E-03	-6.29E-05
1.21E+02	2.74E-03	-2.89E-03	1.46E-04
1.21E+02	2.63E-03	-2.82E-03	3.51E-04
1.21E+02	2.46E-03	-2.76E-03	5.20E-04
1.21E+02	2.22E-03	-2.76E-03	5.79E-04
1.21E+02	1.97E-03	-2.80E-03	5.77E-04
1.21E+02	1.73E-03	-2.83E-03	5.55E-04
1.21E+02	1.50E-03	-2.91E-03	4.75E-04
1.21E+02	1.26E-03	-3.00E-03	4.19E-04
1.21E+02	1.02E-03	-3.07E-03	4.26E-04
1.21E+02	8.56E-04	-3.11E-03	4.63E-04
1.21E+02	7.17E-04	-3.12E-03	5.47E-04
1.21E+02	5.63E-04	-3.16E-03	5.54E-04
1.21E+02	4.51E-04	-3.20E-03	4.82E-04
1.21E+02	4.05E-04	-3.21E-03	4.17E-04
1.21E+02	4.30E-04	-3.18E-03	2.61E-04
1.21E+02	4.91E-04	-3.15E-03	9.78E-05
1.21E+02	5.66E-04	-3.13E-03	-8.01E-06
1.21E+02	7.29E-04	-3.09E-03	-1.15E-04
1.21E+02	8.97E-04	-3.08E-03	-1.59E-04
1.21E+02	9.98E-04	-3.12E-03	-2.46E-04
1.21E+02	1.12E-03	-3.22E-03	-3.81E-04
1.21E+02	1.24E-03	-3.33E-03	-4.28E-04
1.21E+02	1.35E-03	-3.38E-03	-4.68E-04
1.21E+02	1.40E-03	-3.44E-03	-4.64E-04
1.21E+02	1.38E-03	-3.43E-03	-3.46E-04
1.21E+02	1.38E-03	-3.34E-03	-2.20E-04
1.21E+02	1.35E-03	-3.23E-03	-1.06E-04
1.21E+02	1.29E-03	-3.14E-03	-4.06E-05
1.21E+02	1.22E-03	-3.07E-03	-2.84E-05
1.21E+02	1.20E-03	-2.98E-03	-5.34E-06
1.21E+02	1.23E-03	-2.91E-03	-3.15E-05
1.21E+02	1.27E-03	-2.83E-03	-1.21E-04
1.21E+02	1.33E-03	-2.73E-03	-2.45E-04

1.21E+02	1.40E-03	-2.65E-03	-3.86E-04
1.21E+02	1.50E-03	-2.51E-03	-4.62E-04
1.21E+02	1.58E-03	-2.39E-03	-5.16E-04
1.21E+02	1.63E-03	-2.34E-03	-5.61E-04
1.21E+02	1.67E-03	-2.30E-03	-5.42E-04
1.21E+02	1.70E-03	-2.31E-03	-5.49E-04
1.21E+02	1.70E-03	-2.35E-03	-6.10E-04
1.21E+02	1.65E-03	-2.39E-03	-6.77E-04
1.21E+02	1.59E-03	-2.44E-03	-7.68E-04
1.21E+02	1.54E-03	-2.47E-03	-8.47E-04
1.21E+02	1.44E-03	-2.51E-03	-9.22E-04
1.21E+02	1.32E-03	-2.57E-03	-1.06E-03
1.21E+02	1.24E-03	-2.60E-03	-1.10E-03
1.21E+02	1.16E-03	-2.63E-03	-1.00E-03
1.21E+02	1.10E-03	-2.71E-03	-8.96E-04
1.21E+02	1.02E-03	-2.81E-03	-7.40E-04
1.21E+02	9.28E-04	-2.92E-03	-6.19E-04
1.21E+02	8.99E-04	-3.01E-03	-5.44E-04
1.21E+02	8.15E-04	-3.10E-03	-5.06E-04
1.21E+02	7.10E-04	-3.21E-03	-5.98E-04
1.21E+02	6.69E-04	-3.28E-03	-6.86E-04
1.21E+02	6.53E-04	-3.32E-03	-7.32E-04
1.21E+02	6.83E-04	-3.38E-03	-7.82E-04
1.21E+02	7.02E-04	-3.43E-03	-8.12E-04
1.21E+02	7.46E-04	-3.47E-03	-9.12E-04
1.21E+02	8.92E-04	-3.47E-03	-1.07E-03
1.21E+02	1.03E-03	-3.47E-03	-1.24E-03
1.21E+02	1.15E-03	-3.51E-03	-1.54E-03
1.21E+02	1.29E-03	-3.57E-03	-1.87E-03
1.21E+02	1.42E-03	-3.62E-03	-2.15E-03
1.21E+02	1.55E-03	-3.70E-03	-2.41E-03
1.21E+02	1.62E-03	-3.83E-03	-2.60E-03
1.21E+02	1.67E-03	-3.96E-03	-2.67E-03
1.21E+02	1.76E-03	-4.09E-03	-2.71E-03
1.21E+02	1.82E-03	-4.20E-03	-2.74E-03
1.21E+02	1.84E-03	-4.31E-03	-2.82E-03
1.21E+02	1.92E-03	-4.38E-03	-2.92E-03
1.21E+02	2.03E-03	-4.40E-03	-2.95E-03
1.21E+02	2.17E-03	-4.39E-03	-2.95E-03
1.21E+02	2.32E-03	-4.37E-03	-2.88E-03
1.21E+02	2.47E-03	-4.34E-03	-2.71E-03
1.21E+02	2.65E-03	-4.35E-03	-2.55E-03
1.21E+02	2.85E-03	-4.39E-03	-2.39E-03
1.21E+02	3.03E-03	-4.47E-03	-2.24E-03
1.21E+02	3.21E-03	-4.58E-03	-2.08E-03
1.21E+02	3.41E-03	-4.65E-03	-1.83E-03
1.21E+02	3.61E-03	-4.73E-03	-1.61E-03

1.21E+02	3.78E-03	-4.80E-03	-1.42E-03
1.21E+02	3.93E-03	-4.84E-03	-1.26E-03
1.21E+02	4.10E-03	-4.87E-03	-1.24E-03
1.21E+02	4.27E-03	-4.88E-03	-1.35E-03
1.21E+02	4.40E-03	-4.90E-03	-1.61E-03
1.21E+02	4.54E-03	-4.93E-03	-1.93E-03
1.21E+02	4.69E-03	-4.93E-03	-2.17E-03
1.21E+02	4.83E-03	-4.95E-03	-2.30E-03
1.21E+02	4.90E-03	-5.01E-03	-2.33E-03
1.21E+02	4.90E-03	-5.09E-03	-2.24E-03
1.21E+02	4.86E-03	-5.19E-03	-2.14E-03
1.21E+02	4.82E-03	-5.28E-03	-2.04E-03
1.21E+02	4.73E-03	-5.35E-03	-1.99E-03
1.21E+02	4.63E-03	-5.42E-03	-2.03E-03
1.21E+02	4.59E-03	-5.41E-03	-2.01E-03
1.21E+02	4.61E-03	-5.35E-03	-1.94E-03
1.21E+02	4.64E-03	-5.30E-03	-1.86E-03
1.21E+02	4.66E-03	-5.27E-03	-1.70E-03
1.21E+02	4.70E-03	-5.24E-03	-1.55E-03
1.21E+02	4.74E-03	-5.20E-03	-1.41E-03
1.21E+02	4.70E-03	-5.21E-03	-1.34E-03
1.21E+02	4.60E-03	-5.25E-03	-1.33E-03
1.21E+02	4.47E-03	-5.28E-03	-1.28E-03
1.21E+02	4.31E-03	-5.31E-03	-1.28E-03
1.21E+02	4.11E-03	-5.37E-03	-1.36E-03
1.21E+02	3.86E-03	-5.42E-03	-1.42E-03
1.21E+02	3.62E-03	-5.44E-03	-1.39E-03
1.21E+02	3.45E-03	-5.44E-03	-1.28E-03
1.21E+02	3.27E-03	-5.42E-03	-1.15E-03
1.21E+02	3.12E-03	-5.40E-03	-1.12E-03
1.21E+02	3.01E-03	-5.35E-03	-1.10E-03
1.21E+02	2.93E-03	-5.28E-03	-1.09E-03
1.21E+02	2.87E-03	-5.21E-03	-1.11E-03
1.21E+02	2.79E-03	-5.16E-03	-1.08E-03
1.21E+02	2.72E-03	-5.11E-03	-9.53E-04
1.21E+02	2.68E-03	-5.07E-03	-7.39E-04
1.21E+02	2.60E-03	-5.05E-03	-5.29E-04
1.21E+02	2.52E-03	-5.09E-03	-4.10E-04
1.21E+02	2.46E-03	-5.13E-03	-3.27E-04
1.21E+02	2.43E-03	-5.13E-03	-2.55E-04
1.21E+02	2.40E-03	-5.15E-03	-2.65E-04
1.21E+02	2.35E-03	-5.15E-03	-3.15E-04
1.21E+02	2.30E-03	-5.06E-03	-3.69E-04
1.21E+02	2.29E-03	-4.92E-03	-4.55E-04
1.21E+02	2.27E-03	-4.72E-03	-5.48E-04
1.21E+02	2.19E-03	-4.52E-03	-7.15E-04
1.21E+02	2.12E-03	-4.29E-03	-9.11E-04

1.21E+02	2.07E-03	-4.00E-03	-1.01E-03
1.21E+02	2.01E-03	-3.74E-03	-1.05E-03
1.21E+02	1.97E-03	-3.51E-03	-1.00E-03
1.21E+02	1.91E-03	-3.34E-03	-8.96E-04
1.21E+02	1.91E-03	-3.23E-03	-7.52E-04
1.22E+02	1.92E-03	-3.13E-03	-5.32E-04
1.22E+02	1.85E-03	-3.10E-03	-3.73E-04
1.22E+02	1.80E-03	-3.10E-03	-2.74E-04
1.22E+02	1.75E-03	-3.08E-03	-1.74E-04
1.22E+02	1.66E-03	-3.04E-03	-1.58E-04
1.22E+02	1.52E-03	-3.00E-03	-2.19E-04
1.22E+02	1.31E-03	-2.95E-03	-3.23E-04
1.22E+02	1.10E-03	-2.89E-03	-4.22E-04
1.22E+02	8.59E-04	-2.82E-03	-4.43E-04
1.22E+02	5.66E-04	-2.77E-03	-4.43E-04
1.22E+02	2.96E-04	-2.76E-03	-3.98E-04
1.22E+02	5.76E-05	-2.70E-03	-2.36E-04
1.22E+02	-1.62E-04	-2.63E-03	-1.08E-04
1.22E+02	-3.60E-04	-2.57E-03	-8.18E-05
1.22E+02	-5.25E-04	-2.48E-03	-1.21E-04
1.22E+02	-6.07E-04	-2.38E-03	-2.05E-04
1.22E+02	-6.29E-04	-2.23E-03	-2.93E-04
1.22E+02	-6.40E-04	-2.09E-03	-4.54E-04
1.22E+02	-5.88E-04	-1.95E-03	-6.39E-04
1.22E+02	-4.76E-04	-1.75E-03	-7.20E-04
1.22E+02	-3.40E-04	-1.53E-03	-7.59E-04
1.22E+02	-2.48E-04	-1.32E-03	-8.42E-04
1.22E+02	-2.41E-04	-1.08E-03	-9.50E-04
1.22E+02	-2.28E-04	-7.80E-04	-1.05E-03
1.22E+02	-2.57E-04	-4.58E-04	-1.10E-03
1.22E+02	-3.93E-04	-1.61E-04	-1.08E-03
1.22E+02	-5.67E-04	1.05E-04	-9.70E-04
1.22E+02	-7.79E-04	3.45E-04	-7.39E-04
1.22E+02	-1.04E-03	5.25E-04	-4.88E-04
1.22E+02	-1.32E-03	6.13E-04	-3.22E-04
1.22E+02	-1.64E-03	6.61E-04	-2.04E-04
1.22E+02	-1.92E-03	6.94E-04	-1.20E-04
1.22E+02	-2.10E-03	7.19E-04	-2.75E-05
1.22E+02	-2.26E-03	7.01E-04	6.22E-05
1.22E+02	-2.38E-03	6.01E-04	9.98E-05
1.22E+02	-2.42E-03	4.63E-04	1.69E-04
1.22E+02	-2.44E-03	2.87E-04	2.11E-04
1.22E+02	-2.44E-03	6.90E-05	1.35E-04
1.22E+02	-2.46E-03	-1.38E-04	7.82E-06
1.22E+02	-2.43E-03	-2.94E-04	-1.64E-04
1.22E+02	-2.35E-03	-3.89E-04	-3.74E-04
1.22E+02	-2.28E-03	-4.60E-04	-6.11E-04

1.22E+02	-2.21E-03	-5.17E-04	-8.34E-04
1.22E+02	-2.11E-03	-5.44E-04	-9.30E-04
1.22E+02	-2.00E-03	-5.64E-04	-9.45E-04
1.22E+02	-1.92E-03	-6.12E-04	-9.56E-04
1.22E+02	-1.88E-03	-6.84E-04	-9.49E-04
1.22E+02	-1.84E-03	-7.35E-04	-9.59E-04
1.22E+02	-1.76E-03	-7.44E-04	-9.67E-04
1.22E+02	-1.71E-03	-7.33E-04	-9.52E-04
1.22E+02	-1.68E-03	-7.02E-04	-9.38E-04
1.22E+02	-1.65E-03	-6.43E-04	-8.55E-04
1.22E+02	-1.61E-03	-5.91E-04	-7.60E-04
1.22E+02	-1.56E-03	-5.82E-04	-7.56E-04
1.22E+02	-1.56E-03	-6.13E-04	-7.62E-04
1.22E+02	-1.56E-03	-6.66E-04	-7.89E-04
1.22E+02	-1.53E-03	-7.32E-04	-8.54E-04
1.22E+02	-1.54E-03	-8.16E-04	-9.41E-04
1.22E+02	-1.59E-03	-9.15E-04	-1.14E-03
1.22E+02	-1.64E-03	-9.74E-04	-1.33E-03
1.22E+02	-1.70E-03	-9.71E-04	-1.45E-03
1.22E+02	-1.75E-03	-9.62E-04	-1.61E-03
1.22E+02	-1.82E-03	-9.37E-04	-1.73E-03
1.22E+02	-1.89E-03	-8.76E-04	-1.82E-03
1.22E+02	-1.88E-03	-7.82E-04	-1.89E-03
1.22E+02	-1.84E-03	-6.83E-04	-1.91E-03
1.22E+02	-1.81E-03	-6.34E-04	-1.95E-03
1.22E+02	-1.72E-03	-6.32E-04	-1.94E-03
1.22E+02	-1.61E-03	-6.73E-04	-1.83E-03
1.22E+02	-1.47E-03	-8.00E-04	-1.69E-03
1.22E+02	-1.39E-03	-1.01E-03	-1.51E-03
1.22E+02	-1.33E-03	-1.25E-03	-1.26E-03
1.22E+02	-1.23E-03	-1.46E-03	-9.70E-04
1.22E+02	-1.16E-03	-1.65E-03	-6.77E-04
1.22E+02	-1.14E-03	-1.82E-03	-4.62E-04
1.22E+02	-1.13E-03	-1.94E-03	-3.37E-04
1.22E+02	-1.13E-03	-2.00E-03	-2.70E-04
1.22E+02	-1.13E-03	-2.03E-03	-3.40E-04
1.22E+02	-1.17E-03	-2.04E-03	-4.69E-04
1.22E+02	-1.26E-03	-2.01E-03	-5.50E-04
1.22E+02	-1.33E-03	-1.93E-03	-5.93E-04
1.22E+02	-1.42E-03	-1.82E-03	-5.86E-04
1.22E+02	-1.58E-03	-1.69E-03	-6.20E-04
1.22E+02	-1.76E-03	-1.56E-03	-7.09E-04
1.22E+02	-1.93E-03	-1.39E-03	-7.64E-04
1.22E+02	-2.09E-03	-1.20E-03	-8.53E-04
1.22E+02	-2.25E-03	-1.02E-03	-9.59E-04
1.22E+02	-2.43E-03	-7.99E-04	-1.01E-03
1.22E+02	-2.58E-03	-5.47E-04	-1.07E-03

1.22E+02	-2.69E-03	-2.96E-04	-1.09E-03
1.22E+02	-2.82E-03	-8.64E-05	-1.09E-03
1.22E+02	-2.93E-03	9.54E-05	-1.04E-03
1.22E+02	-3.01E-03	2.76E-04	-8.96E-04
1.22E+02	-3.07E-03	4.39E-04	-7.15E-04
1.22E+02	-3.14E-03	5.61E-04	-5.10E-04
1.22E+02	-3.25E-03	6.61E-04	-2.26E-04
1.22E+02	-3.33E-03	7.87E-04	1.16E-04
1.22E+02	-3.38E-03	9.26E-04	5.02E-04
1.22E+02	-3.47E-03	1.04E-03	8.33E-04
1.22E+02	-3.56E-03	1.11E-03	1.08E-03
1.22E+02	-3.60E-03	1.17E-03	1.34E-03
1.22E+02	-3.61E-03	1.20E-03	1.54E-03
1.22E+02	-3.65E-03	1.16E-03	1.57E-03
1.22E+02	-3.72E-03	1.06E-03	1.47E-03
1.22E+02	-3.77E-03	9.17E-04	1.29E-03
1.22E+02	-3.77E-03	7.57E-04	1.11E-03
1.22E+02	-3.77E-03	5.65E-04	9.78E-04
1.22E+02	-3.74E-03	3.35E-04	8.31E-04
1.22E+02	-3.63E-03	1.28E-04	7.03E-04
1.22E+02	-3.45E-03	-6.16E-05	5.44E-04
1.22E+02	-3.24E-03	-2.70E-04	2.42E-04
1.22E+02	-2.99E-03	-4.80E-04	-1.39E-04
1.22E+02	-2.71E-03	-6.57E-04	-5.22E-04
1.22E+02	-2.39E-03	-7.89E-04	-8.46E-04
1.22E+02	-2.11E-03	-9.27E-04	-1.06E-03
1.22E+02	-1.90E-03	-1.10E-03	-1.13E-03
1.22E+02	-1.70E-03	-1.28E-03	-9.20E-04
1.22E+02	-1.55E-03	-1.47E-03	-4.78E-04
1.22E+02	-1.49E-03	-1.71E-03	-1.70E-05
1.22E+02	-1.51E-03	-1.98E-03	4.03E-04
1.22E+02	-1.55E-03	-2.21E-03	7.25E-04
1.22E+02	-1.56E-03	-2.36E-03	9.28E-04
1.22E+02	-1.56E-03	-2.44E-03	1.05E-03
1.22E+02	-1.52E-03	-2.48E-03	1.09E-03
1.22E+02	-1.42E-03	-2.48E-03	1.15E-03
1.22E+02	-1.29E-03	-2.46E-03	1.30E-03
1.22E+02	-1.13E-03	-2.47E-03	1.49E-03
1.22E+02	-1.02E-03	-2.53E-03	1.68E-03
1.22E+02	-9.76E-04	-2.61E-03	1.86E-03
1.22E+02	-9.49E-04	-2.68E-03	1.97E-03
1.22E+02	-1.01E-03	-2.72E-03	1.97E-03
1.22E+02	-1.14E-03	-2.72E-03	1.83E-03
1.22E+02	-1.27E-03	-2.65E-03	1.69E-03
1.22E+02	-1.39E-03	-2.50E-03	1.58E-03
1.22E+02	-1.51E-03	-2.32E-03	1.42E-03
1.22E+02	-1.65E-03	-2.13E-03	1.25E-03

1.22E+02	-1.79E-03	-1.95E-03	1.09E-03
1.22E+02	-1.84E-03	-1.78E-03	8.87E-04
1.22E+02	-1.88E-03	-1.61E-03	6.69E-04
1.22E+02	-1.94E-03	-1.46E-03	4.27E-04
1.22E+02	-1.97E-03	-1.30E-03	2.17E-04
1.22E+02	-1.98E-03	-1.12E-03	1.72E-04
1.22E+02	-1.98E-03	-9.49E-04	2.18E-04
1.22E+02	-2.03E-03	-8.03E-04	3.04E-04
1.22E+02	-2.09E-03	-6.74E-04	5.04E-04
1.22E+02	-2.13E-03	-5.67E-04	8.10E-04
1.22E+02	-2.18E-03	-5.03E-04	1.18E-03
1.22E+02	-2.28E-03	-5.08E-04	1.49E-03
1.22E+02	-2.43E-03	-5.53E-04	1.68E-03
1.22E+02	-2.61E-03	-5.81E-04	1.83E-03
1.22E+02	-2.83E-03	-6.16E-04	1.89E-03
1.22E+02	-3.12E-03	-6.48E-04	1.92E-03
1.22E+02	-3.47E-03	-6.32E-04	2.03E-03
1.22E+02	-3.81E-03	-5.89E-04	2.20E-03
1.22E+02	-4.13E-03	-5.49E-04	2.40E-03
1.22E+02	-4.48E-03	-5.53E-04	2.55E-03
1.22E+02	-4.81E-03	-5.98E-04	2.58E-03
1.22E+02	-5.07E-03	-6.12E-04	2.54E-03
1.22E+02	-5.25E-03	-5.99E-04	2.39E-03
1.22E+02	-5.39E-03	-5.90E-04	2.15E-03
1.22E+02	-5.52E-03	-5.43E-04	1.90E-03
1.22E+02	-5.59E-03	-4.68E-04	1.67E-03
1.22E+02	-5.62E-03	-3.80E-04	1.53E-03
1.22E+02	-5.67E-03	-3.22E-04	1.44E-03
1.22E+02	-5.75E-03	-3.49E-04	1.30E-03
1.22E+02	-5.80E-03	-3.89E-04	1.21E-03
1.22E+02	-5.83E-03	-4.37E-04	1.17E-03
1.22E+02	-5.88E-03	-5.00E-04	1.13E-03
1.22E+02	-5.94E-03	-5.12E-04	1.22E-03
1.22E+02	-5.97E-03	-4.62E-04	1.42E-03
1.22E+02	-5.95E-03	-3.45E-04	1.72E-03
1.22E+02	-5.98E-03	-2.06E-04	2.00E-03
1.22E+02	-6.05E-03	-6.96E-05	2.13E-03
1.22E+02	-6.10E-03	1.05E-04	2.21E-03
1.22E+02	-6.16E-03	2.99E-04	2.22E-03
1.22E+02	-6.22E-03	4.67E-04	2.12E-03
1.22E+02	-6.33E-03	6.26E-04	2.05E-03
1.22E+02	-6.42E-03	8.13E-04	2.07E-03
1.22E+02	-6.47E-03	1.05E-03	2.23E-03
1.22E+02	-6.53E-03	1.29E-03	2.42E-03
1.22E+02	-6.58E-03	1.48E-03	2.49E-03
1.22E+02	-6.55E-03	1.69E-03	2.50E-03
1.22E+02	-6.46E-03	1.91E-03	2.41E-03

1.22E+02	-6.29E-03	2.10E-03	2.21E-03
1.22E+02	-6.05E-03	2.33E-03	2.04E-03
1.22E+02	-5.73E-03	2.54E-03	1.92E-03
1.22E+02	-5.33E-03	2.72E-03	1.84E-03
1.22E+02	-4.96E-03	2.83E-03	1.77E-03
1.22E+02	-4.66E-03	2.80E-03	1.68E-03
1.22E+02	-4.43E-03	2.68E-03	1.59E-03
1.22E+02	-4.26E-03	2.50E-03	1.51E-03
1.22E+02	-4.13E-03	2.27E-03	1.39E-03
1.22E+02	-4.09E-03	2.03E-03	1.32E-03
1.22E+02	-4.09E-03	1.83E-03	1.33E-03
1.22E+02	-4.09E-03	1.69E-03	1.40E-03
1.22E+02	-4.12E-03	1.60E-03	1.47E-03
1.22E+02	-4.19E-03	1.48E-03	1.41E-03
1.22E+02	-4.24E-03	1.32E-03	1.32E-03
1.22E+02	-4.24E-03	1.16E-03	1.28E-03
1.22E+02	-4.18E-03	9.92E-04	1.23E-03
1.23E+02	-4.10E-03	8.26E-04	1.23E-03
1.23E+02	-4.01E-03	7.15E-04	1.30E-03
1.23E+02	-3.87E-03	6.73E-04	1.38E-03
1.23E+02	-3.75E-03	6.81E-04	1.47E-03
1.23E+02	-3.67E-03	7.08E-04	1.45E-03
1.23E+02	-3.59E-03	7.69E-04	1.38E-03
1.23E+02	-3.47E-03	8.84E-04	1.39E-03
1.23E+02	-3.32E-03	1.03E-03	1.47E-03
1.23E+02	-3.14E-03	1.16E-03	1.58E-03
1.23E+02	-2.96E-03	1.30E-03	1.67E-03
1.23E+02	-2.72E-03	1.44E-03	1.71E-03
1.23E+02	-2.45E-03	1.56E-03	1.70E-03
1.23E+02	-2.19E-03	1.64E-03	1.66E-03
1.23E+02	-1.90E-03	1.68E-03	1.67E-03
1.23E+02	-1.58E-03	1.72E-03	1.83E-03
1.23E+02	-1.27E-03	1.74E-03	2.01E-03
1.23E+02	-1.03E-03	1.72E-03	2.07E-03
1.23E+02	-9.05E-04	1.69E-03	2.07E-03
1.23E+02	-8.08E-04	1.69E-03	2.00E-03
1.23E+02	-7.62E-04	1.72E-03	1.92E-03
1.23E+02	-8.02E-04	1.76E-03	1.83E-03
1.23E+02	-8.60E-04	1.79E-03	1.73E-03
1.23E+02	-9.27E-04	1.83E-03	1.66E-03
1.23E+02	-1.01E-03	1.84E-03	1.57E-03
1.23E+02	-1.09E-03	1.80E-03	1.45E-03
1.23E+02	-1.20E-03	1.75E-03	1.39E-03
1.23E+02	-1.27E-03	1.70E-03	1.37E-03
1.23E+02	-1.30E-03	1.70E-03	1.40E-03
1.23E+02	-1.33E-03	1.71E-03	1.42E-03
1.23E+02	-1.33E-03	1.74E-03	1.41E-03

1.23E+02	-1.29E-03	1.79E-03	1.45E-03
1.23E+02	-1.24E-03	1.84E-03	1.49E-03
1.23E+02	-1.19E-03	1.88E-03	1.52E-03
1.23E+02	-1.21E-03	1.89E-03	1.62E-03
1.23E+02	-1.21E-03	1.91E-03	1.76E-03
1.23E+02	-1.18E-03	1.91E-03	1.93E-03
1.23E+02	-1.19E-03	1.87E-03	2.09E-03
1.23E+02	-1.21E-03	1.78E-03	2.22E-03
1.23E+02	-1.22E-03	1.68E-03	2.38E-03
1.23E+02	-1.21E-03	1.58E-03	2.53E-03
1.23E+02	-1.17E-03	1.45E-03	2.60E-03
1.23E+02	-1.16E-03	1.33E-03	2.66E-03
1.23E+02	-1.10E-03	1.22E-03	2.72E-03
1.23E+02	-1.00E-03	1.11E-03	2.77E-03
1.23E+02	-9.69E-04	9.38E-04	2.77E-03
1.23E+02	-9.73E-04	7.07E-04	2.57E-03
1.23E+02	-9.80E-04	4.81E-04	2.31E-03
1.23E+02	-1.00E-03	3.17E-04	2.08E-03
1.23E+02	-9.99E-04	2.20E-04	1.89E-03
1.23E+02	-1.04E-03	1.77E-04	1.78E-03
1.23E+02	-1.07E-03	1.95E-04	1.70E-03
1.23E+02	-1.02E-03	2.63E-04	1.67E-03
1.23E+02	-9.92E-04	3.13E-04	1.68E-03
1.23E+02	-9.72E-04	3.24E-04	1.64E-03
1.23E+02	-9.07E-04	3.38E-04	1.57E-03
1.23E+02	-7.87E-04	3.77E-04	1.52E-03
1.23E+02	-5.95E-04	4.31E-04	1.40E-03
1.23E+02	-4.02E-04	5.05E-04	1.31E-03
1.23E+02	-1.86E-04	6.24E-04	1.24E-03
1.23E+02	9.23E-05	7.89E-04	1.19E-03
1.23E+02	3.18E-04	9.63E-04	1.18E-03
1.23E+02	4.62E-04	1.10E-03	1.11E-03
1.23E+02	5.66E-04	1.23E-03	1.00E-03
1.23E+02	6.30E-04	1.40E-03	9.54E-04
1.23E+02	6.44E-04	1.59E-03	8.84E-04
1.23E+02	5.67E-04	1.79E-03	8.40E-04
1.23E+02	4.50E-04	2.00E-03	8.00E-04
1.23E+02	3.90E-04	2.22E-03	7.10E-04
1.23E+02	3.51E-04	2.43E-03	6.50E-04
1.23E+02	3.22E-04	2.60E-03	5.36E-04
1.23E+02	3.42E-04	2.72E-03	3.72E-04
1.23E+02	3.97E-04	2.84E-03	2.21E-04
1.23E+02	4.83E-04	2.94E-03	-2.88E-05
1.23E+02	5.43E-04	3.01E-03	-3.20E-04
1.23E+02	5.55E-04	3.09E-03	-5.28E-04
1.23E+02	6.02E-04	3.21E-03	-6.12E-04
1.23E+02	6.20E-04	3.33E-03	-5.52E-04

1.23E+02	5.62E-04	3.40E-03	-4.49E-04
1.23E+02	5.06E-04	3.41E-03	-2.99E-04
1.23E+02	4.64E-04	3.44E-03	-6.24E-05
1.23E+02	4.52E-04	3.44E-03	9.78E-05
1.23E+02	4.48E-04	3.41E-03	1.46E-04
1.23E+02	4.50E-04	3.40E-03	1.31E-04
1.23E+02	5.53E-04	3.41E-03	1.87E-05
1.23E+02	7.05E-04	3.46E-03	-1.51E-04
1.23E+02	8.60E-04	3.49E-03	-4.03E-04
1.23E+02	1.06E-03	3.52E-03	-7.09E-04
1.23E+02	1.27E-03	3.60E-03	-9.08E-04
1.23E+02	1.51E-03	3.65E-03	-1.09E-03
1.23E+02	1.71E-03	3.65E-03	-1.33E-03
1.23E+02	1.83E-03	3.65E-03	-1.52E-03
1.23E+02	1.94E-03	3.64E-03	-1.69E-03
1.23E+02	2.04E-03	3.63E-03	-1.80E-03
1.23E+02	2.07E-03	3.62E-03	-1.83E-03
1.23E+02	2.08E-03	3.59E-03	-1.85E-03
1.23E+02	2.09E-03	3.60E-03	-1.76E-03
1.23E+02	2.13E-03	3.66E-03	-1.64E-03
1.23E+02	2.17E-03	3.72E-03	-1.53E-03
1.23E+02	2.17E-03	3.82E-03	-1.40E-03
1.23E+02	2.22E-03	3.94E-03	-1.31E-03
1.23E+02	2.29E-03	4.08E-03	-1.19E-03
1.23E+02	2.30E-03	4.21E-03	-1.06E-03
1.23E+02	2.27E-03	4.29E-03	-9.82E-04
1.23E+02	2.19E-03	4.36E-03	-8.38E-04
1.23E+02	2.09E-03	4.41E-03	-6.73E-04
1.23E+02	1.94E-03	4.43E-03	-5.67E-04
1.23E+02	1.68E-03	4.44E-03	-4.70E-04
1.23E+02	1.41E-03	4.45E-03	-4.20E-04
1.23E+02	1.19E-03	4.53E-03	-3.95E-04
1.23E+02	9.53E-04	4.62E-03	-3.90E-04
1.23E+02	7.42E-04	4.72E-03	-4.34E-04
1.23E+02	6.04E-04	4.86E-03	-3.52E-04
1.23E+02	5.07E-04	5.02E-03	-1.88E-04
1.23E+02	4.48E-04	5.17E-03	-9.16E-05
1.23E+02	3.71E-04	5.32E-03	-5.42E-05
1.23E+02	3.14E-04	5.45E-03	-1.36E-04
1.23E+02	3.53E-04	5.61E-03	-2.82E-04
1.23E+02	3.83E-04	5.78E-03	-4.20E-04
1.23E+02	3.88E-04	5.91E-03	-5.53E-04
1.23E+02	3.77E-04	6.07E-03	-5.89E-04
1.23E+02	3.38E-04	6.22E-03	-5.70E-04
1.23E+02	2.73E-04	6.30E-03	-5.74E-04
1.23E+02	9.78E-05	6.34E-03	-5.49E-04
1.23E+02	-1.24E-04	6.35E-03	-5.42E-04

1.23E+02	-3.16E-04	6.35E-03	-5.41E-04
1.23E+02	-5.04E-04	6.34E-03	-5.04E-04
1.23E+02	-6.57E-04	6.32E-03	-5.23E-04
1.23E+02	-7.52E-04	6.32E-03	-5.05E-04
1.23E+02	-7.85E-04	6.33E-03	-4.20E-04
1.23E+02	-7.76E-04	6.30E-03	-3.90E-04
1.23E+02	-7.69E-04	6.22E-03	-3.97E-04
1.23E+02	-7.54E-04	6.10E-03	-4.78E-04
1.23E+02	-6.82E-04	5.95E-03	-5.88E-04
1.23E+02	-6.08E-04	5.80E-03	-6.56E-04
1.23E+02	-5.54E-04	5.58E-03	-7.81E-04
1.23E+02	-4.83E-04	5.35E-03	-8.97E-04
1.23E+02	-4.02E-04	5.13E-03	-9.57E-04
1.23E+02	-2.71E-04	4.90E-03	-1.05E-03
1.23E+02	-1.38E-04	4.66E-03	-1.10E-03
1.23E+02	-5.53E-06	4.44E-03	-1.09E-03
1.23E+02	2.23E-04	4.29E-03	-1.04E-03
1.23E+02	4.60E-04	4.15E-03	-9.45E-04
1.23E+02	6.78E-04	4.02E-03	-9.05E-04
1.23E+02	9.24E-04	3.91E-03	-8.65E-04
1.23E+02	1.14E-03	3.83E-03	-7.76E-04
1.23E+02	1.35E-03	3.76E-03	-7.79E-04
1.23E+02	1.48E-03	3.71E-03	-8.72E-04
1.23E+02	1.54E-03	3.67E-03	-9.81E-04
1.23E+02	1.63E-03	3.65E-03	-1.09E-03
1.23E+02	1.71E-03	3.65E-03	-1.12E-03
1.23E+02	1.74E-03	3.62E-03	-1.16E-03
1.23E+02	1.78E-03	3.57E-03	-1.23E-03
1.23E+02	1.82E-03	3.54E-03	-1.23E-03
1.23E+02	1.88E-03	3.49E-03	-1.34E-03
1.23E+02	1.97E-03	3.45E-03	-1.49E-03
1.23E+02	2.07E-03	3.44E-03	-1.60E-03
1.23E+02	2.23E-03	3.46E-03	-1.69E-03
1.23E+02	2.46E-03	3.53E-03	-1.65E-03
1.23E+02	2.67E-03	3.58E-03	-1.56E-03
1.23E+02	2.86E-03	3.56E-03	-1.57E-03
1.23E+02	3.02E-03	3.54E-03	-1.56E-03
1.23E+02	3.16E-03	3.50E-03	-1.57E-03
1.23E+02	3.26E-03	3.44E-03	-1.55E-03
1.23E+02	3.26E-03	3.41E-03	-1.47E-03
1.23E+02	3.27E-03	3.41E-03	-1.43E-03
1.23E+02	3.33E-03	3.47E-03	-1.38E-03
1.23E+02	3.35E-03	3.54E-03	-1.29E-03
1.23E+02	3.38E-03	3.60E-03	-1.23E-03
1.23E+02	3.42E-03	3.65E-03	-1.10E-03
1.23E+02	3.49E-03	3.64E-03	-1.02E-03
1.23E+02	3.58E-03	3.63E-03	-1.06E-03

1.23E+02	3.61E-03	3.57E-03	-1.05E-03
1.23E+02	3.63E-03	3.50E-03	-1.04E-03
1.23E+02	3.75E-03	3.50E-03	-1.02E-03
1.23E+02	3.77E-03	3.49E-03	-8.67E-04
1.23E+02	3.74E-03	3.50E-03	-7.90E-04
1.23E+02	3.70E-03	3.49E-03	-7.81E-04
1.23E+02	3.62E-03	3.54E-03	-7.45E-04
1.23E+02	3.53E-03	3.61E-03	-7.91E-04
1.23E+02	3.37E-03	3.68E-03	-7.96E-04
1.23E+02	3.21E-03	3.78E-03	-7.34E-04
1.23E+02	3.09E-03	3.88E-03	-6.57E-04
1.23E+02	2.91E-03	3.98E-03	-5.24E-04
1.23E+02	2.71E-03	4.05E-03	-4.49E-04
1.23E+02	2.47E-03	4.11E-03	-3.59E-04
1.23E+02	2.26E-03	4.15E-03	-3.07E-04
1.23E+02	2.06E-03	4.09E-03	-3.66E-04
1.23E+02	1.82E-03	4.05E-03	-3.14E-04
1.23E+02	1.61E-03	3.93E-03	-2.47E-04
1.23E+02	1.47E-03	3.75E-03	-1.62E-04
1.23E+02	1.35E-03	3.61E-03	1.77E-05
1.23E+02	1.20E-03	3.40E-03	1.06E-04
1.23E+02	1.12E-03	3.14E-03	1.69E-04
1.23E+02	1.08E-03	2.93E-03	2.32E-04
1.23E+02	1.05E-03	2.73E-03	1.83E-04
1.23E+02	1.02E-03	2.58E-03	7.74E-05
1.23E+02	9.78E-04	2.49E-03	-1.72E-05
1.23E+02	1.00E-03	2.44E-03	-9.29E-05
1.23E+02	1.01E-03	2.42E-03	-1.35E-04
1.23E+02	9.76E-04	2.38E-03	-1.91E-04
1.24E+02	9.94E-04	2.36E-03	-2.38E-04
1.24E+02	1.01E-03	2.39E-03	-2.13E-04
1.24E+02	1.06E-03	2.43E-03	-2.50E-04
1.24E+02	1.13E-03	2.48E-03	-3.12E-04
1.24E+02	1.20E-03	2.53E-03	-3.30E-04
1.24E+02	1.35E-03	2.62E-03	-3.17E-04
1.24E+02	1.49E-03	2.74E-03	-1.81E-04
1.24E+02	1.58E-03	2.81E-03	-4.20E-05
1.24E+02	1.70E-03	2.82E-03	9.56E-05
1.24E+02	1.80E-03	2.82E-03	2.98E-04
1.24E+02	1.89E-03	2.77E-03	4.10E-04
1.24E+02	1.97E-03	2.66E-03	4.98E-04
1.24E+02	2.01E-03	2.54E-03	6.76E-04
1.24E+02	2.11E-03	2.43E-03	9.15E-04
1.24E+02	2.23E-03	2.33E-03	1.21E-03
1.24E+02	2.32E-03	2.19E-03	1.42E-03
1.24E+02	2.42E-03	2.03E-03	1.51E-03
1.24E+02	2.53E-03	1.89E-03	1.54E-03

1.24E+02	2.67E-03	1.73E-03	1.43E-03
1.24E+02	2.83E-03	1.55E-03	1.21E-03
1.24E+02	2.94E-03	1.38E-03	1.03E-03
1.24E+02	3.05E-03	1.23E-03	8.02E-04
1.24E+02	3.14E-03	1.11E-03	6.03E-04
1.24E+02	3.17E-03	9.95E-04	4.15E-04
1.24E+02	3.16E-03	8.65E-04	2.10E-04
1.24E+02	3.15E-03	7.98E-04	1.41E-04
1.24E+02	3.13E-03	7.81E-04	9.16E-05
1.24E+02	3.11E-03	7.75E-04	-5.87E-05
1.24E+02	3.05E-03	8.31E-04	-2.16E-04
1.24E+02	3.03E-03	9.37E-04	-3.96E-04
1.24E+02	3.08E-03	1.06E-03	-5.31E-04
1.24E+02	3.11E-03	1.16E-03	-5.96E-04
1.24E+02	3.14E-03	1.20E-03	-6.62E-04
1.24E+02	3.20E-03	1.21E-03	-6.20E-04
1.24E+02	3.28E-03	1.20E-03	-5.19E-04
1.24E+02	3.36E-03	1.13E-03	-4.36E-04
1.24E+02	3.40E-03	1.04E-03	-2.99E-04
1.24E+02	3.42E-03	9.59E-04	-1.89E-04
1.24E+02	3.46E-03	8.77E-04	-1.05E-04
1.24E+02	3.45E-03	7.89E-04	-6.83E-05
1.24E+02	3.43E-03	6.60E-04	-1.52E-04
1.24E+02	3.45E-03	5.44E-04	-2.22E-04
1.24E+02	3.49E-03	4.43E-04	-3.06E-04
1.24E+02	3.53E-03	3.02E-04	-4.97E-04
1.24E+02	3.54E-03	1.56E-04	-6.59E-04
1.24E+02	3.52E-03	1.93E-05	-7.91E-04
1.24E+02	3.51E-03	-1.25E-04	-9.47E-04
1.24E+02	3.46E-03	-2.55E-04	-1.09E-03
1.24E+02	3.35E-03	-3.86E-04	-1.25E-03
1.24E+02	3.23E-03	-4.94E-04	-1.31E-03
1.24E+02	3.13E-03	-5.45E-04	-1.26E-03
1.24E+02	3.06E-03	-5.89E-04	-1.20E-03
1.24E+02	2.97E-03	-6.42E-04	-1.14E-03
1.24E+02	2.89E-03	-6.67E-04	-1.05E-03
1.24E+02	2.90E-03	-6.62E-04	-9.23E-04
1.24E+02	2.93E-03	-6.62E-04	-8.17E-04
1.24E+02	2.95E-03	-6.84E-04	-7.68E-04
1.24E+02	3.02E-03	-7.06E-04	-6.99E-04
1.24E+02	3.09E-03	-7.14E-04	-5.82E-04
1.24E+02	3.15E-03	-7.60E-04	-5.27E-04
1.24E+02	3.16E-03	-8.29E-04	-5.19E-04
1.24E+02	3.10E-03	-8.87E-04	-5.84E-04
1.24E+02	3.05E-03	-9.44E-04	-7.80E-04
1.24E+02	2.97E-03	-9.68E-04	-9.77E-04
1.24E+02	2.84E-03	-9.81E-04	-1.14E-03

1.24E+02	2.72E-03	-9.60E-04	-1.23E-03
1.24E+02	2.60E-03	-8.98E-04	-1.20E-03
1.24E+02	2.47E-03	-8.51E-04	-1.23E-03
1.24E+02	2.30E-03	-7.98E-04	-1.28E-03
1.24E+02	2.07E-03	-7.59E-04	-1.23E-03
1.24E+02	1.91E-03	-7.04E-04	-1.15E-03
1.24E+02	1.77E-03	-6.39E-04	-1.03E-03
1.24E+02	1.58E-03	-6.02E-04	-9.21E-04
1.24E+02	1.44E-03	-5.91E-04	-8.89E-04
1.24E+02	1.37E-03	-6.04E-04	-7.66E-04
1.24E+02	1.35E-03	-6.14E-04	-6.29E-04
1.24E+02	1.33E-03	-6.70E-04	-5.68E-04
1.24E+02	1.33E-03	-7.38E-04	-5.07E-04
1.24E+02	1.39E-03	-8.01E-04	-5.13E-04
1.24E+02	1.44E-03	-8.74E-04	-5.40E-04
1.24E+02	1.48E-03	-9.22E-04	-5.72E-04
1.24E+02	1.52E-03	-9.59E-04	-6.70E-04
1.24E+02	1.58E-03	-9.19E-04	-7.45E-04
1.24E+02	1.63E-03	-8.35E-04	-8.37E-04
1.24E+02	1.64E-03	-7.33E-04	-9.37E-04
1.24E+02	1.60E-03	-5.86E-04	-9.97E-04
1.24E+02	1.59E-03	-4.19E-04	-1.05E-03
1.24E+02	1.58E-03	-2.05E-04	-9.77E-04
1.24E+02	1.52E-03	-2.14E-05	-8.47E-04
1.24E+02	1.46E-03	8.47E-05	-7.91E-04
1.24E+02	1.43E-03	2.29E-04	-7.25E-04
1.24E+02	1.40E-03	4.03E-04	-6.68E-04
1.24E+02	1.37E-03	5.28E-04	-7.06E-04
1.24E+02	1.33E-03	6.53E-04	-7.40E-04
1.24E+02	1.29E-03	7.70E-04	-7.51E-04
1.24E+02	1.33E-03	8.36E-04	-7.15E-04
1.24E+02	1.35E-03	8.67E-04	-5.87E-04
1.24E+02	1.38E-03	8.22E-04	-4.69E-04
1.24E+02	1.43E-03	7.43E-04	-3.06E-04
1.24E+02	1.50E-03	6.87E-04	-1.58E-04
1.24E+02	1.61E-03	6.11E-04	-1.61E-04
1.24E+02	1.69E-03	5.38E-04	-1.80E-04
1.24E+02	1.75E-03	5.22E-04	-2.38E-04
1.24E+02	1.85E-03	5.51E-04	-3.21E-04
1.24E+02	1.89E-03	5.61E-04	-3.46E-04
1.24E+02	1.89E-03	5.32E-04	-3.80E-04
1.24E+02	1.89E-03	5.18E-04	-2.97E-04
1.24E+02	1.85E-03	4.83E-04	-1.50E-04
1.24E+02	1.78E-03	3.99E-04	-1.13E-04
1.24E+02	1.66E-03	3.46E-04	-5.74E-05
1.24E+02	1.52E-03	3.09E-04	-1.54E-05
1.24E+02	1.44E-03	2.71E-04	-2.19E-05

1.24E+02	1.35E-03	2.61E-04	-5.30E-05
1.24E+02	1.27E-03	2.41E-04	-1.67E-04
1.24E+02	1.28E-03	2.43E-04	-2.00E-04
1.24E+02	1.33E-03	2.78E-04	-1.31E-04
1.24E+02	1.42E-03	2.76E-04	-1.22E-04
1.24E+02	1.48E-03	2.60E-04	-1.57E-04
1.24E+02	1.51E-03	2.65E-04	-2.49E-04
1.24E+02	1.59E-03	2.81E-04	-3.38E-04
1.24E+02	1.61E-03	3.25E-04	-3.27E-04
1.24E+02	1.58E-03	3.71E-04	-2.99E-04
1.24E+02	1.58E-03	4.32E-04	-1.63E-04
1.24E+02	1.56E-03	5.17E-04	1.13E-04
1.24E+02	1.52E-03	5.64E-04	3.27E-04
1.24E+02	1.48E-03	6.04E-04	5.13E-04
1.24E+02	1.41E-03	6.54E-04	6.76E-04
1.24E+02	1.42E-03	6.97E-04	7.19E-04
1.24E+02	1.43E-03	7.73E-04	6.96E-04
1.24E+02	1.39E-03	8.39E-04	5.96E-04
1.24E+02	1.38E-03	8.80E-04	4.95E-04
1.24E+02	1.39E-03	9.62E-04	5.41E-04
1.24E+02	1.40E-03	9.96E-04	5.75E-04
1.24E+02	1.39E-03	9.46E-04	5.65E-04
1.24E+02	1.36E-03	8.83E-04	5.87E-04
1.24E+02	1.39E-03	8.13E-04	5.37E-04
1.24E+02	1.42E-03	7.83E-04	4.55E-04
1.24E+02	1.45E-03	7.59E-04	3.23E-04
1.24E+02	1.52E-03	7.05E-04	1.63E-04
1.24E+02	1.59E-03	6.70E-04	9.31E-05
1.24E+02	1.65E-03	5.81E-04	1.95E-05
1.24E+02	1.68E-03	4.34E-04	-2.63E-05
1.24E+02	1.67E-03	2.54E-04	2.73E-05
1.24E+02	1.69E-03	3.89E-05	1.15E-04
1.24E+02	1.72E-03	-1.59E-04	2.60E-04
1.24E+02	1.67E-03	-3.97E-04	3.98E-04
1.24E+02	1.61E-03	-6.31E-04	4.37E-04
1.24E+02	1.54E-03	-8.02E-04	4.52E-04
1.24E+02	1.43E-03	-9.76E-04	4.02E-04
1.24E+02	1.31E-03	-1.14E-03	2.25E-04
1.24E+02	1.11E-03	-1.30E-03	2.38E-05
1.24E+02	9.19E-04	-1.43E-03	-1.43E-04
1.24E+02	7.51E-04	-1.55E-03	-2.45E-04
1.24E+02	5.07E-04	-1.70E-03	-3.05E-04
1.24E+02	3.10E-04	-1.85E-03	-3.55E-04
1.24E+02	1.43E-04	-1.99E-03	-3.11E-04
1.24E+02	-4.33E-05	-2.10E-03	-2.43E-04
1.24E+02	-2.21E-04	-2.21E-03	-2.41E-04
1.24E+02	-4.49E-04	-2.27E-03	-2.60E-04

1.24E+02	-6.74E-04	-2.26E-03	-3.26E-04
1.24E+02	-8.69E-04	-2.20E-03	-4.12E-04
1.24E+02	-1.11E-03	-2.09E-03	-5.11E-04
1.24E+02	-1.36E-03	-2.01E-03	-6.50E-04
1.24E+02	-1.59E-03	-1.91E-03	-6.96E-04
1.24E+02	-1.80E-03	-1.81E-03	-7.21E-04
1.24E+02	-1.97E-03	-1.77E-03	-8.35E-04
1.24E+02	-2.13E-03	-1.73E-03	-9.27E-04
1.24E+02	-2.22E-03	-1.68E-03	-1.01E-03
1.24E+02	-2.15E-03	-1.62E-03	-1.05E-03
1.24E+02	-2.03E-03	-1.52E-03	-1.03E-03
1.24E+02	-1.89E-03	-1.51E-03	-1.11E-03
1.24E+02	-1.64E-03	-1.54E-03	-1.14E-03
1.24E+02	-1.34E-03	-1.59E-03	-1.09E-03
1.24E+02	-1.01E-03	-1.75E-03	-1.14E-03
1.24E+02	-7.15E-04	-1.95E-03	-1.16E-03
1.24E+02	-4.37E-04	-2.13E-03	-1.15E-03
1.24E+02	-1.30E-04	-2.28E-03	-1.15E-03
1.24E+02	1.11E-04	-2.40E-03	-1.12E-03
1.24E+02	2.86E-04	-2.51E-03	-1.11E-03
1.24E+02	4.37E-04	-2.57E-03	-1.01E-03
1.24E+02	5.24E-04	-2.62E-03	-8.35E-04
1.24E+02	5.43E-04	-2.71E-03	-7.09E-04
1.24E+02	4.66E-04	-2.86E-03	-5.85E-04
1.24E+02	3.10E-04	-3.03E-03	-5.05E-04
1.24E+02	1.28E-04	-3.20E-03	-5.06E-04
1.24E+02	-1.19E-04	-3.37E-03	-5.44E-04
1.24E+02	-4.29E-04	-3.57E-03	-6.93E-04
1.24E+02	-7.08E-04	-3.76E-03	-8.72E-04
1.24E+02	-9.34E-04	-3.88E-03	-9.71E-04
1.24E+02	-1.12E-03	-3.99E-03	-1.06E-03
1.24E+02	-1.26E-03	-4.09E-03	-1.10E-03
1.24E+02	-1.35E-03	-4.18E-03	-1.08E-03
1.24E+02	-1.34E-03	-4.26E-03	-1.08E-03
1.24E+02	-1.25E-03	-4.36E-03	-1.09E-03
1.24E+02	-1.13E-03	-4.49E-03	-1.22E-03
1.24E+02	-9.52E-04	-4.65E-03	-1.42E-03
1.24E+02	-7.38E-04	-4.81E-03	-1.53E-03
1.24E+02	-5.03E-04	-4.98E-03	-1.61E-03
1.24E+02	-2.82E-04	-5.18E-03	-1.60E-03
1.24E+02	-1.14E-04	-5.41E-03	-1.46E-03
1.25E+02	6.47E-05	-5.63E-03	-1.25E-03
1.25E+02	2.17E-04	-5.86E-03	-9.99E-04
1.25E+02	2.82E-04	-6.13E-03	-8.06E-04
1.25E+02	3.26E-04	-6.39E-03	-6.64E-04
1.25E+02	3.49E-04	-6.59E-03	-5.18E-04
1.25E+02	3.27E-04	-6.75E-03	-4.92E-04

1.25E+02	2.37E-04	-6.87E-03	-5.75E-04
1.25E+02	6.28E-05	-6.91E-03	-6.54E-04
1.25E+02	-1.01E-04	-6.86E-03	-7.16E-04
1.25E+02	-2.41E-04	-6.75E-03	-6.98E-04
1.25E+02	-4.09E-04	-6.58E-03	-6.48E-04
1.25E+02	-5.46E-04	-6.38E-03	-6.44E-04
1.25E+02	-6.39E-04	-6.12E-03	-6.25E-04
1.25E+02	-6.86E-04	-5.80E-03	-6.43E-04
1.25E+02	-6.93E-04	-5.47E-03	-6.76E-04
1.25E+02	-7.09E-04	-5.09E-03	-6.21E-04
1.25E+02	-6.89E-04	-4.67E-03	-5.19E-04
1.25E+02	-6.60E-04	-4.24E-03	-3.73E-04
1.25E+02	-6.95E-04	-3.84E-03	-2.36E-04
1.25E+02	-7.41E-04	-3.48E-03	-1.39E-04
1.25E+02	-7.80E-04	-3.16E-03	4.02E-05
1.25E+02	-8.29E-04	-2.89E-03	2.57E-04
1.25E+02	-9.10E-04	-2.72E-03	4.22E-04
1.25E+02	-1.07E-03	-2.65E-03	5.21E-04
1.25E+02	-1.25E-03	-2.65E-03	5.22E-04
1.25E+02	-1.43E-03	-2.71E-03	4.68E-04
1.25E+02	-1.66E-03	-2.83E-03	3.81E-04
1.25E+02	-1.89E-03	-2.99E-03	2.72E-04
1.25E+02	-2.11E-03	-3.18E-03	2.68E-04
1.25E+02	-2.30E-03	-3.35E-03	3.64E-04
1.25E+02	-2.46E-03	-3.51E-03	4.38E-04
1.25E+02	-2.65E-03	-3.66E-03	5.23E-04
1.25E+02	-2.83E-03	-3.78E-03	5.79E-04
1.25E+02	-2.95E-03	-3.85E-03	5.86E-04
1.25E+02	-3.09E-03	-3.90E-03	5.92E-04
1.25E+02	-3.22E-03	-3.95E-03	5.29E-04
1.25E+02	-3.30E-03	-3.98E-03	5.14E-04
1.25E+02	-3.33E-03	-3.99E-03	5.94E-04
1.25E+02	-3.36E-03	-4.03E-03	6.42E-04
1.25E+02	-3.44E-03	-4.11E-03	6.70E-04
1.25E+02	-3.55E-03	-4.19E-03	6.35E-04
1.25E+02	-3.62E-03	-4.21E-03	5.40E-04
1.25E+02	-3.72E-03	-4.20E-03	4.29E-04
1.25E+02	-3.83E-03	-4.13E-03	2.58E-04
1.25E+02	-3.87E-03	-3.99E-03	1.01E-04
1.25E+02	-3.90E-03	-3.79E-03	1.91E-07
1.25E+02	-3.88E-03	-3.58E-03	-6.24E-05
1.25E+02	-3.86E-03	-3.39E-03	-2.19E-05
1.25E+02	-3.87E-03	-3.23E-03	9.33E-05
1.25E+02	-3.83E-03	-3.08E-03	1.68E-04
1.25E+02	-3.81E-03	-2.94E-03	1.31E-04
1.25E+02	-3.81E-03	-2.82E-03	-5.23E-05
1.25E+02	-3.77E-03	-2.72E-03	-2.80E-04

1.25E+02	-3.70E-03	-2.59E-03	-4.34E-04
1.25E+02	-3.59E-03	-2.48E-03	-5.39E-04
1.25E+02	-3.48E-03	-2.39E-03	-5.21E-04
1.25E+02	-3.35E-03	-2.33E-03	-3.20E-04
1.25E+02	-3.12E-03	-2.32E-03	-2.08E-05
1.25E+02	-2.87E-03	-2.35E-03	2.88E-04
1.25E+02	-2.63E-03	-2.46E-03	4.87E-04
1.25E+02	-2.37E-03	-2.60E-03	6.36E-04
1.25E+02	-2.12E-03	-2.70E-03	8.43E-04
1.25E+02	-1.90E-03	-2.81E-03	9.63E-04
1.25E+02	-1.75E-03	-2.90E-03	9.83E-04
1.25E+02	-1.67E-03	-2.95E-03	9.91E-04
1.25E+02	-1.60E-03	-2.97E-03	1.01E-03
1.25E+02	-1.54E-03	-2.96E-03	1.10E-03
1.25E+02	-1.50E-03	-2.96E-03	1.13E-03
1.25E+02	-1.41E-03	-2.95E-03	1.11E-03
1.25E+02	-1.25E-03	-2.88E-03	1.13E-03
1.25E+02	-1.05E-03	-2.80E-03	1.07E-03
1.25E+02	-8.12E-04	-2.72E-03	9.34E-04
1.25E+02	-5.88E-04	-2.65E-03	8.08E-04
1.25E+02	-3.19E-04	-2.61E-03	6.65E-04
1.25E+02	-2.96E-05	-2.61E-03	5.85E-04
1.25E+02	1.93E-04	-2.69E-03	5.36E-04
1.25E+02	3.97E-04	-2.81E-03	4.90E-04
1.25E+02	5.92E-04	-2.90E-03	5.39E-04
1.25E+02	7.47E-04	-2.96E-03	5.72E-04
1.25E+02	8.32E-04	-3.02E-03	5.22E-04
1.25E+02	8.10E-04	-3.04E-03	4.34E-04
1.25E+02	7.46E-04	-3.01E-03	3.06E-04
1.25E+02	6.51E-04	-2.91E-03	2.12E-04
1.25E+02	4.67E-04	-2.80E-03	1.20E-04
1.25E+02	2.65E-04	-2.72E-03	4.23E-05
1.25E+02	7.78E-05	-2.64E-03	1.28E-04
1.25E+02	-1.24E-04	-2.60E-03	2.73E-04
1.25E+02	-3.51E-04	-2.61E-03	3.79E-04
1.25E+02	-6.44E-04	-2.65E-03	4.66E-04
1.25E+02	-9.17E-04	-2.71E-03	5.08E-04
1.25E+02	-1.12E-03	-2.74E-03	5.61E-04
1.25E+02	-1.33E-03	-2.77E-03	6.01E-04
1.25E+02	-1.50E-03	-2.81E-03	5.50E-04
1.25E+02	-1.59E-03	-2.80E-03	5.15E-04
1.25E+02	-1.60E-03	-2.74E-03	5.15E-04
1.25E+02	-1.55E-03	-2.70E-03	4.97E-04
1.25E+02	-1.48E-03	-2.64E-03	5.17E-04
1.25E+02	-1.38E-03	-2.53E-03	5.07E-04
1.25E+02	-1.22E-03	-2.34E-03	4.56E-04
1.25E+02	-1.10E-03	-2.08E-03	3.44E-04

1.25E+02	-1.03E-03	-1.78E-03	1.02E-04
1.25E+02	-9.59E-04	-1.40E-03	-7.04E-05
1.25E+02	-9.03E-04	-9.68E-04	-1.40E-04
1.25E+02	-8.69E-04	-5.85E-04	-2.42E-04
1.25E+02	-9.09E-04	-2.84E-04	-3.18E-04
1.25E+02	-9.80E-04	-7.93E-05	-3.32E-04
1.25E+02	-1.02E-03	4.69E-05	-2.87E-04
1.25E+02	-1.12E-03	8.53E-05	-2.27E-04
1.25E+02	-1.25E-03	1.95E-05	-2.69E-04
1.25E+02	-1.38E-03	-7.13E-05	-3.24E-04
1.25E+02	-1.46E-03	-1.23E-04	-3.23E-04
1.25E+02	-1.51E-03	-1.78E-04	-3.49E-04
1.25E+02	-1.58E-03	-2.24E-04	-3.37E-04
1.25E+02	-1.61E-03	-2.25E-04	-2.90E-04
1.25E+02	-1.57E-03	-1.94E-04	-2.26E-04
1.25E+02	-1.54E-03	-1.37E-04	-8.11E-05
1.25E+02	-1.50E-03	-7.90E-05	7.63E-05
1.25E+02	-1.44E-03	1.34E-05	2.94E-04
1.25E+02	-1.38E-03	1.57E-04	5.76E-04
1.25E+02	-1.33E-03	2.94E-04	7.53E-04
1.25E+02	-1.33E-03	4.26E-04	8.59E-04
1.25E+02	-1.38E-03	5.56E-04	9.29E-04
1.25E+02	-1.40E-03	6.70E-04	9.28E-04
1.25E+02	-1.41E-03	7.48E-04	8.90E-04
1.25E+02	-1.46E-03	7.28E-04	7.29E-04
1.25E+02	-1.48E-03	6.19E-04	5.19E-04
1.25E+02	-1.50E-03	4.87E-04	3.72E-04
1.25E+02	-1.51E-03	2.99E-04	1.59E-04
1.25E+02	-1.54E-03	5.53E-05	-3.85E-05
1.25E+02	-1.61E-03	-1.89E-04	-1.04E-04
1.25E+02	-1.64E-03	-4.22E-04	-8.51E-05
1.25E+02	-1.67E-03	-6.16E-04	3.83E-05
1.25E+02	-1.70E-03	-7.86E-04	1.11E-04
1.25E+02	-1.68E-03	-9.30E-04	8.05E-05
1.25E+02	-1.63E-03	-1.01E-03	4.39E-05
1.25E+02	-1.52E-03	-1.06E-03	-4.48E-05
1.25E+02	-1.34E-03	-1.07E-03	-1.04E-04
1.25E+02	-1.15E-03	-1.07E-03	-7.90E-05
1.25E+02	-8.85E-04	-1.08E-03	2.19E-05
1.25E+02	-5.73E-04	-1.09E-03	2.43E-04
1.25E+02	-3.29E-04	-1.14E-03	4.46E-04
1.25E+02	-1.03E-04	-1.23E-03	5.61E-04
1.25E+02	9.86E-05	-1.29E-03	6.74E-04
1.25E+02	2.86E-04	-1.32E-03	7.43E-04
1.25E+02	4.33E-04	-1.33E-03	7.82E-04
1.25E+02	4.78E-04	-1.30E-03	8.88E-04
1.25E+02	5.03E-04	-1.20E-03	1.01E-03

1.25E+02	5.01E-04	-1.08E-03	1.11E-03
1.25E+02	4.12E-04	-9.80E-04	1.12E-03
1.25E+02	3.19E-04	-9.26E-04	9.87E-04
1.25E+02	2.72E-04	-8.50E-04	8.44E-04
1.25E+02	2.70E-04	-7.19E-04	7.03E-04
1.25E+02	3.40E-04	-5.47E-04	5.42E-04
1.25E+02	4.14E-04	-3.42E-04	4.24E-04
1.25E+02	5.25E-04	-1.44E-04	3.22E-04
1.25E+02	7.17E-04	2.88E-05	3.21E-04
1.25E+02	8.67E-04	1.22E-04	4.19E-04
1.25E+02	9.76E-04	9.10E-05	4.89E-04
1.25E+02	1.08E-03	-1.70E-05	5.75E-04
1.25E+02	1.18E-03	-1.69E-04	6.03E-04
1.25E+02	1.28E-03	-3.73E-04	5.18E-04
1.25E+02	1.35E-03	-5.91E-04	4.56E-04
1.25E+02	1.41E-03	-7.78E-04	3.95E-04
1.25E+02	1.47E-03	-9.58E-04	2.83E-04
1.25E+02	1.43E-03	-1.16E-03	1.29E-04
1.25E+02	1.33E-03	-1.40E-03	-6.73E-05
1.25E+02	1.21E-03	-1.65E-03	-2.04E-04
1.25E+02	1.07E-03	-1.88E-03	-3.15E-04
1.25E+02	9.01E-04	-2.11E-03	-5.05E-04
1.25E+02	6.87E-04	-2.32E-03	-6.77E-04
1.25E+02	4.81E-04	-2.48E-03	-7.62E-04
1.25E+02	3.39E-04	-2.60E-03	-7.46E-04
1.25E+02	1.91E-04	-2.68E-03	-6.36E-04
1.25E+02	4.27E-05	-2.79E-03	-5.70E-04
1.25E+02	-8.93E-05	-2.93E-03	-4.88E-04
1.25E+02	-2.05E-04	-3.05E-03	-3.54E-04
1.25E+02	-3.24E-04	-3.22E-03	-3.77E-04
1.25E+02	-4.78E-04	-3.40E-03	-4.52E-04
1.25E+02	-6.10E-04	-3.48E-03	-4.93E-04
1.25E+02	-7.20E-04	-3.54E-03	-5.37E-04
1.25E+02	-8.50E-04	-3.55E-03	-5.01E-04
1.25E+02	-1.00E-03	-3.54E-03	-4.93E-04
1.25E+02	-1.15E-03	-3.53E-03	-4.72E-04
1.25E+02	-1.27E-03	-3.46E-03	-3.62E-04
1.25E+02	-1.40E-03	-3.43E-03	-3.35E-04
1.25E+02	-1.55E-03	-3.40E-03	-3.84E-04
1.25E+02	-1.68E-03	-3.33E-03	-4.63E-04
1.25E+02	-1.76E-03	-3.23E-03	-5.20E-04
1.25E+02	-1.83E-03	-3.13E-03	-4.80E-04
1.25E+02	-1.95E-03	-3.10E-03	-4.17E-04
1.25E+02	-2.08E-03	-3.07E-03	-2.78E-04
1.25E+02	-2.19E-03	-3.02E-03	-3.26E-05
1.25E+02	-2.27E-03	-2.98E-03	1.79E-04
1.25E+02	-2.34E-03	-2.95E-03	3.40E-04

1.25E+02	-2.38E-03	-2.90E-03	4.60E-04
1.25E+02	-2.33E-03	-2.82E-03	5.10E-04
1.25E+02	-2.24E-03	-2.73E-03	5.45E-04
1.25E+02	-2.15E-03	-2.66E-03	5.36E-04
1.25E+02	-2.01E-03	-2.62E-03	5.29E-04
1.25E+02	-1.82E-03	-2.59E-03	6.87E-04
1.26E+02	-1.63E-03	-2.60E-03	8.57E-04
1.26E+02	-1.48E-03	-2.71E-03	9.34E-04
1.26E+02	-1.39E-03	-2.87E-03	1.00E-03
1.26E+02	-1.29E-03	-3.01E-03	1.02E-03
1.26E+02	-1.17E-03	-3.15E-03	1.00E-03
1.26E+02	-1.11E-03	-3.28E-03	9.13E-04
1.26E+02	-1.05E-03	-3.40E-03	7.48E-04
1.26E+02	-9.79E-04	-3.49E-03	6.43E-04
1.26E+02	-8.89E-04	-3.56E-03	5.85E-04
1.26E+02	-8.07E-04	-3.67E-03	5.20E-04
1.26E+02	-7.46E-04	-3.79E-03	4.92E-04
1.26E+02	-6.48E-04	-3.91E-03	5.04E-04
1.26E+02	-5.23E-04	-4.03E-03	5.52E-04
1.26E+02	-4.38E-04	-4.14E-03	6.05E-04
1.26E+02	-3.70E-04	-4.24E-03	6.32E-04
1.26E+02	-2.84E-04	-4.29E-03	6.99E-04
1.26E+02	-1.80E-04	-4.26E-03	7.92E-04
1.26E+02	-8.68E-05	-4.20E-03	8.68E-04
1.26E+02	-5.07E-05	-4.09E-03	9.59E-04
1.26E+02	-2.99E-05	-3.96E-03	1.03E-03
1.26E+02	-2.35E-05	-3.79E-03	1.08E-03
1.26E+02	-1.03E-04	-3.63E-03	1.07E-03
1.26E+02	-2.64E-04	-3.48E-03	1.01E-03
1.26E+02	-4.78E-04	-3.28E-03	1.02E-03
1.26E+02	-6.99E-04	-3.03E-03	1.10E-03
1.26E+02	-9.29E-04	-2.76E-03	1.12E-03
1.26E+02	-1.20E-03	-2.49E-03	1.13E-03
1.26E+02	-1.44E-03	-2.20E-03	1.13E-03
1.26E+02	-1.59E-03	-1.93E-03	1.10E-03
1.26E+02	-1.71E-03	-1.70E-03	9.93E-04
1.26E+02	-1.78E-03	-1.56E-03	7.38E-04
1.26E+02	-1.77E-03	-1.50E-03	5.16E-04
1.26E+02	-1.68E-03	-1.48E-03	4.35E-04
1.26E+02	-1.53E-03	-1.57E-03	4.04E-04
1.26E+02	-1.40E-03	-1.72E-03	4.55E-04
1.26E+02	-1.27E-03	-1.91E-03	5.74E-04
1.26E+02	-1.12E-03	-2.09E-03	7.15E-04
1.26E+02	-1.04E-03	-2.28E-03	8.67E-04
1.26E+02	-1.03E-03	-2.44E-03	9.37E-04
1.26E+02	-1.05E-03	-2.52E-03	9.51E-04
1.26E+02	-1.08E-03	-2.50E-03	9.54E-04

1.26E+02	-1.11E-03	-2.42E-03	8.92E-04
1.26E+02	-1.18E-03	-2.28E-03	8.59E-04
1.26E+02	-1.26E-03	-2.10E-03	9.12E-04
1.26E+02	-1.31E-03	-1.88E-03	9.98E-04
1.26E+02	-1.39E-03	-1.65E-03	1.09E-03
1.26E+02	-1.53E-03	-1.51E-03	1.11E-03
1.26E+02	-1.68E-03	-1.38E-03	1.13E-03
1.26E+02	-1.83E-03	-1.26E-03	1.19E-03
1.26E+02	-1.99E-03	-1.14E-03	1.20E-03
1.26E+02	-2.15E-03	-9.59E-04	1.22E-03
1.26E+02	-2.30E-03	-7.40E-04	1.23E-03
1.26E+02	-2.32E-03	-4.60E-04	1.20E-03
1.26E+02	-2.25E-03	-1.13E-04	1.24E-03
1.26E+02	-2.17E-03	1.81E-04	1.20E-03
1.26E+02	-2.00E-03	4.28E-04	1.15E-03
1.26E+02	-1.77E-03	6.42E-04	1.17E-03
1.26E+02	-1.50E-03	7.67E-04	1.12E-03
1.26E+02	-1.26E-03	8.48E-04	1.09E-03
1.26E+02	-1.04E-03	9.09E-04	1.11E-03
1.26E+02	-8.00E-04	9.38E-04	1.17E-03
1.26E+02	-5.94E-04	9.48E-04	1.33E-03
1.26E+02	-4.67E-04	8.75E-04	1.46E-03
1.26E+02	-3.97E-04	7.36E-04	1.50E-03
1.26E+02	-3.81E-04	5.95E-04	1.59E-03
1.26E+02	-4.14E-04	4.24E-04	1.64E-03
1.26E+02	-5.28E-04	2.49E-04	1.70E-03
1.26E+02	-7.47E-04	8.13E-05	1.74E-03
1.26E+02	-9.66E-04	-7.63E-05	1.66E-03
1.26E+02	-1.19E-03	-1.91E-04	1.52E-03
1.26E+02	-1.46E-03	-3.01E-04	1.35E-03
1.26E+02	-1.71E-03	-3.88E-04	1.14E-03
1.26E+02	-1.87E-03	-4.01E-04	1.06E-03
1.26E+02	-1.95E-03	-3.48E-04	1.03E-03
1.26E+02	-1.96E-03	-2.62E-04	9.94E-04
1.26E+02	-1.94E-03	-1.28E-04	1.01E-03
1.26E+02	-1.85E-03	5.63E-05	9.81E-04
1.26E+02	-1.71E-03	2.75E-04	9.15E-04
1.26E+02	-1.57E-03	5.02E-04	7.87E-04
1.26E+02	-1.38E-03	6.88E-04	5.68E-04
1.26E+02	-1.17E-03	8.77E-04	4.18E-04
1.26E+02	-9.29E-04	1.06E-03	3.19E-04
1.26E+02	-6.90E-04	1.21E-03	2.33E-04
1.26E+02	-5.05E-04	1.36E-03	2.42E-04
1.26E+02	-3.25E-04	1.49E-03	3.09E-04
1.26E+02	-1.43E-04	1.60E-03	4.45E-04
1.26E+02	-4.12E-05	1.71E-03	6.08E-04
1.26E+02	-3.81E-07	1.79E-03	6.90E-04

1.26E+02	6.10E-06	1.92E-03	7.74E-04
1.26E+02	3.62E-06	2.07E-03	8.41E-04
1.26E+02	1.34E-05	2.23E-03	8.60E-04
1.26E+02	-1.22E-05	2.42E-03	9.36E-04
1.26E+02	-1.96E-05	2.64E-03	9.98E-04
1.26E+02	3.85E-05	2.86E-03	1.03E-03
1.26E+02	9.16E-05	3.05E-03	1.06E-03
1.26E+02	1.33E-04	3.12E-03	1.03E-03
1.26E+02	1.79E-04	3.11E-03	1.07E-03
1.26E+02	2.08E-04	3.03E-03	1.15E-03
1.26E+02	1.90E-04	2.89E-03	1.16E-03
1.26E+02	8.22E-05	2.75E-03	1.15E-03
1.26E+02	-5.46E-05	2.63E-03	1.11E-03
1.26E+02	-1.45E-04	2.58E-03	1.03E-03
1.26E+02	-2.37E-04	2.59E-03	9.45E-04
1.26E+02	-3.15E-04	2.63E-03	7.79E-04
1.26E+02	-3.27E-04	2.71E-03	6.63E-04
1.26E+02	-2.93E-04	2.82E-03	6.60E-04
1.26E+02	-2.30E-04	2.91E-03	6.17E-04
1.26E+02	-2.20E-04	2.98E-03	5.77E-04
1.26E+02	-2.68E-04	3.06E-03	5.47E-04
1.26E+02	-3.24E-04	3.16E-03	5.23E-04
1.26E+02	-4.90E-04	3.28E-03	5.22E-04
1.26E+02	-7.62E-04	3.38E-03	4.60E-04
1.26E+02	-1.06E-03	3.51E-03	4.48E-04
1.26E+02	-1.41E-03	3.66E-03	5.67E-04
1.26E+02	-1.78E-03	3.78E-03	7.59E-04
1.26E+02	-2.18E-03	3.88E-03	1.03E-03
1.26E+02	-2.59E-03	3.96E-03	1.29E-03
1.26E+02	-2.91E-03	4.02E-03	1.48E-03
1.26E+02	-3.19E-03	4.07E-03	1.62E-03
1.26E+02	-3.42E-03	4.07E-03	1.59E-03
1.26E+02	-3.53E-03	4.08E-03	1.42E-03
1.26E+02	-3.52E-03	4.14E-03	1.27E-03
1.26E+02	-3.38E-03	4.21E-03	1.10E-03
1.26E+02	-3.18E-03	4.25E-03	9.73E-04
1.26E+02	-2.98E-03	4.24E-03	9.09E-04
1.26E+02	-2.73E-03	4.19E-03	8.55E-04
1.26E+02	-2.48E-03	4.11E-03	8.35E-04
1.26E+02	-2.29E-03	3.95E-03	7.78E-04
1.26E+02	-2.10E-03	3.76E-03	7.43E-04
1.26E+02	-1.90E-03	3.63E-03	8.70E-04
1.26E+02	-1.72E-03	3.53E-03	9.73E-04
1.26E+02	-1.57E-03	3.48E-03	9.98E-04
1.26E+02	-1.45E-03	3.46E-03	1.04E-03
1.26E+02	-1.27E-03	3.46E-03	1.05E-03
1.26E+02	-1.06E-03	3.47E-03	1.07E-03

1.26E+02	-8.91E-04	3.45E-03	1.07E-03
1.26E+02	-7.31E-04	3.42E-03	1.06E-03
1.26E+02	-5.83E-04	3.42E-03	1.16E-03
1.26E+02	-4.49E-04	3.42E-03	1.30E-03
1.26E+02	-3.58E-04	3.43E-03	1.42E-03
1.26E+02	-3.42E-04	3.46E-03	1.57E-03
1.26E+02	-3.20E-04	3.53E-03	1.67E-03
1.26E+02	-2.74E-04	3.63E-03	1.73E-03
1.26E+02	-2.43E-04	3.75E-03	1.68E-03
1.26E+02	-1.57E-04	3.85E-03	1.52E-03
1.26E+02	-1.22E-05	3.99E-03	1.38E-03
1.26E+02	1.62E-04	4.15E-03	1.22E-03
1.26E+02	3.45E-04	4.27E-03	9.97E-04
1.26E+02	4.70E-04	4.41E-03	8.35E-04
1.26E+02	6.04E-04	4.58E-03	7.18E-04
1.26E+02	7.58E-04	4.76E-03	6.15E-04
1.26E+02	8.58E-04	4.93E-03	5.28E-04
1.26E+02	9.40E-04	5.07E-03	4.26E-04
1.26E+02	9.93E-04	5.20E-03	3.59E-04
1.26E+02	1.02E-03	5.33E-03	2.76E-04
1.26E+02	1.04E-03	5.39E-03	1.40E-04
1.26E+02	9.85E-04	5.39E-03	8.54E-05
1.26E+02	8.79E-04	5.36E-03	9.59E-05
1.26E+02	7.57E-04	5.28E-03	1.01E-04
1.26E+02	5.49E-04	5.17E-03	7.25E-05
1.26E+02	2.82E-04	5.00E-03	-1.54E-05
1.26E+02	2.75E-05	4.81E-03	-5.86E-05
1.26E+02	-2.04E-04	4.62E-03	-5.99E-05
1.26E+02	-3.89E-04	4.43E-03	-1.11E-04
1.26E+02	-5.44E-04	4.24E-03	-1.51E-04
1.26E+02	-6.19E-04	4.10E-03	-1.71E-04
1.26E+02	-5.61E-04	3.97E-03	-1.81E-04
1.26E+02	-4.59E-04	3.84E-03	-1.44E-04
1.26E+02	-3.57E-04	3.70E-03	-1.72E-04
1.26E+02	-2.57E-04	3.55E-03	-2.71E-04
1.26E+02	-1.76E-04	3.44E-03	-3.57E-04
1.26E+02	-1.28E-04	3.35E-03	-5.04E-04
1.26E+02	-1.54E-04	3.28E-03	-6.54E-04
1.26E+02	-2.35E-04	3.28E-03	-7.22E-04
1.26E+02	-3.10E-04	3.33E-03	-7.12E-04
1.26E+02	-4.14E-04	3.41E-03	-6.95E-04
1.26E+02	-5.35E-04	3.48E-03	-8.00E-04
1.26E+02	-5.87E-04	3.53E-03	-9.02E-04
1.26E+02	-5.38E-04	3.60E-03	-9.14E-04
1.26E+02	-3.79E-04	3.62E-03	-9.42E-04
1.26E+02	-1.66E-04	3.61E-03	-9.51E-04
1.26E+02	7.21E-05	3.63E-03	-9.20E-04

1.26E+02	3.85E-04	3.67E-03	-8.83E-04
1.26E+02	6.95E-04	3.71E-03	-8.36E-04
1.26E+02	9.43E-04	3.73E-03	-8.13E-04
1.26E+02	1.16E-03	3.70E-03	-7.61E-04
1.26E+02	1.34E-03	3.65E-03	-6.53E-04
1.26E+02	1.47E-03	3.54E-03	-6.32E-04
1.26E+02	1.54E-03	3.37E-03	-6.97E-04
1.26E+02	1.54E-03	3.19E-03	-7.52E-04
1.26E+02	1.57E-03	3.01E-03	-7.97E-04
1.26E+02	1.58E-03	2.84E-03	-8.21E-04
1.26E+02	1.53E-03	2.65E-03	-9.00E-04
1.26E+02	1.45E-03	2.47E-03	-1.02E-03
1.26E+02	1.37E-03	2.37E-03	-1.10E-03
1.26E+02	1.29E-03	2.29E-03	-1.21E-03
1.26E+02	1.17E-03	2.24E-03	-1.37E-03
1.26E+02	1.02E-03	2.23E-03	-1.48E-03
1.26E+02	9.31E-04	2.25E-03	-1.50E-03
1.26E+02	8.84E-04	2.28E-03	-1.45E-03
1.27E+02	8.24E-04	2.24E-03	-1.45E-03
1.27E+02	7.94E-04	2.14E-03	-1.52E-03
1.27E+02	8.18E-04	2.03E-03	-1.53E-03
1.27E+02	8.89E-04	1.91E-03	-1.58E-03
1.27E+02	9.85E-04	1.78E-03	-1.68E-03
1.27E+02	1.07E-03	1.73E-03	-1.72E-03
1.27E+02	1.20E-03	1.75E-03	-1.67E-03
1.27E+02	1.35E-03	1.86E-03	-1.51E-03
1.27E+02	1.41E-03	2.01E-03	-1.37E-03
1.27E+02	1.45E-03	2.14E-03	-1.31E-03
1.27E+02	1.51E-03	2.28E-03	-1.23E-03
1.27E+02	1.52E-03	2.40E-03	-1.20E-03
1.27E+02	1.53E-03	2.46E-03	-1.27E-03
1.27E+02	1.50E-03	2.48E-03	-1.35E-03
1.27E+02	1.47E-03	2.51E-03	-1.41E-03
1.27E+02	1.53E-03	2.58E-03	-1.42E-03
1.27E+02	1.54E-03	2.63E-03	-1.42E-03
1.27E+02	1.53E-03	2.61E-03	-1.45E-03
1.27E+02	1.55E-03	2.57E-03	-1.44E-03
1.27E+02	1.57E-03	2.52E-03	-1.40E-03
1.27E+02	1.61E-03	2.43E-03	-1.44E-03
1.27E+02	1.61E-03	2.29E-03	-1.55E-03
1.27E+02	1.64E-03	2.17E-03	-1.72E-03
1.27E+02	1.73E-03	2.06E-03	-1.82E-03
1.27E+02	1.77E-03	1.91E-03	-1.88E-03
1.27E+02	1.83E-03	1.70E-03	-1.99E-03
1.27E+02	1.92E-03	1.49E-03	-2.00E-03
1.27E+02	2.02E-03	1.31E-03	-1.94E-03
1.27E+02	2.15E-03	1.12E-03	-2.01E-03

1.27E+02	2.21E-03	9.71E-04	-2.12E-03
1.27E+02	2.25E-03	9.03E-04	-2.27E-03
1.27E+02	2.34E-03	9.19E-04	-2.47E-03
1.27E+02	2.36E-03	9.77E-04	-2.66E-03
1.27E+02	2.32E-03	1.03E-03	-2.83E-03
1.27E+02	2.26E-03	1.12E-03	-2.86E-03
1.27E+02	2.19E-03	1.19E-03	-2.77E-03
1.27E+02	2.09E-03	1.22E-03	-2.71E-03
1.27E+02	1.91E-03	1.22E-03	-2.63E-03
1.27E+02	1.75E-03	1.25E-03	-2.56E-03
1.27E+02	1.63E-03	1.36E-03	-2.50E-03
1.27E+02	1.50E-03	1.50E-03	-2.45E-03
1.27E+02	1.39E-03	1.69E-03	-2.50E-03
1.27E+02	1.32E-03	1.86E-03	-2.53E-03
1.27E+02	1.27E-03	2.07E-03	-2.47E-03
1.27E+02	1.25E-03	2.26E-03	-2.43E-03
1.27E+02	1.16E-03	2.34E-03	-2.38E-03
1.27E+02	1.08E-03	2.46E-03	-2.39E-03
1.27E+02	1.08E-03	2.57E-03	-2.39E-03
1.27E+02	1.05E-03	2.68E-03	-2.29E-03
1.27E+02	1.01E-03	2.81E-03	-2.33E-03
1.27E+02	9.81E-04	2.87E-03	-2.40E-03
1.27E+02	9.63E-04	3.00E-03	-2.33E-03
1.27E+02	9.43E-04	3.04E-03	-2.33E-03
1.27E+02	9.01E-04	3.01E-03	-2.31E-03
1.27E+02	8.53E-04	2.96E-03	-2.28E-03
1.27E+02	8.27E-04	2.87E-03	-2.31E-03
1.27E+02	8.20E-04	2.76E-03	-2.33E-03
1.27E+02	7.63E-04	2.60E-03	-2.39E-03
1.27E+02	7.66E-04	2.44E-03	-2.46E-03
1.27E+02	8.44E-04	2.33E-03	-2.42E-03
1.27E+02	9.29E-04	2.24E-03	-2.33E-03
1.27E+02	1.06E-03	2.18E-03	-2.25E-03
1.27E+02	1.17E-03	2.09E-03	-2.19E-03
1.27E+02	1.36E-03	2.01E-03	-2.16E-03
1.27E+02	1.59E-03	1.97E-03	-2.15E-03
1.27E+02	1.79E-03	1.93E-03	-2.18E-03
1.27E+02	2.00E-03	1.89E-03	-2.37E-03
1.27E+02	2.20E-03	1.89E-03	-2.50E-03
1.27E+02	2.37E-03	1.94E-03	-2.58E-03
1.27E+02	2.50E-03	1.99E-03	-2.69E-03
1.27E+02	2.56E-03	2.02E-03	-2.74E-03
1.27E+02	2.61E-03	2.08E-03	-2.78E-03
1.27E+02	2.64E-03	2.16E-03	-2.78E-03
1.27E+02	2.60E-03	2.24E-03	-2.80E-03
1.27E+02	2.56E-03	2.29E-03	-2.86E-03
1.27E+02	2.51E-03	2.40E-03	-2.77E-03

1.27E+02	2.46E-03	2.53E-03	-2.67E-03
1.27E+02	2.41E-03	2.61E-03	-2.69E-03
1.27E+02	2.35E-03	2.68E-03	-2.69E-03
1.27E+02	2.31E-03	2.75E-03	-2.66E-03
1.27E+02	2.37E-03	2.80E-03	-2.58E-03
1.27E+02	2.44E-03	2.81E-03	-2.45E-03
1.27E+02	2.55E-03	2.78E-03	-2.31E-03
1.27E+02	2.74E-03	2.81E-03	-2.07E-03
1.27E+02	2.95E-03	2.84E-03	-1.89E-03
1.27E+02	3.19E-03	2.85E-03	-1.88E-03
1.27E+02	3.38E-03	2.91E-03	-1.88E-03
1.27E+02	3.54E-03	3.02E-03	-1.89E-03
1.27E+02	3.74E-03	3.15E-03	-1.93E-03
1.27E+02	3.88E-03	3.30E-03	-1.96E-03
1.27E+02	4.01E-03	3.43E-03	-2.05E-03
1.27E+02	4.16E-03	3.54E-03	-2.09E-03
1.27E+02	4.32E-03	3.67E-03	-2.07E-03
1.27E+02	4.51E-03	3.75E-03	-2.07E-03
1.27E+02	4.67E-03	3.82E-03	-2.03E-03
1.27E+02	4.82E-03	3.89E-03	-1.94E-03
1.27E+02	5.03E-03	3.90E-03	-1.84E-03
1.27E+02	5.18E-03	3.88E-03	-1.68E-03
1.27E+02	5.27E-03	3.81E-03	-1.52E-03
1.27E+02	5.32E-03	3.72E-03	-1.34E-03
1.27E+02	5.30E-03	3.62E-03	-1.18E-03
1.27E+02	5.25E-03	3.51E-03	-1.12E-03
1.27E+02	5.13E-03	3.42E-03	-1.10E-03
1.27E+02	4.96E-03	3.35E-03	-1.08E-03
1.27E+02	4.84E-03	3.30E-03	-1.10E-03
1.27E+02	4.70E-03	3.26E-03	-1.12E-03
1.27E+02	4.55E-03	3.19E-03	-1.18E-03
1.27E+02	4.47E-03	3.12E-03	-1.23E-03
1.27E+02	4.44E-03	3.05E-03	-1.19E-03
1.27E+02	4.45E-03	2.95E-03	-1.19E-03
1.27E+02	4.45E-03	2.84E-03	-1.20E-03
1.27E+02	4.44E-03	2.74E-03	-1.16E-03
1.27E+02	4.46E-03	2.62E-03	-1.13E-03
1.27E+02	4.45E-03	2.50E-03	-1.08E-03
1.27E+02	4.36E-03	2.32E-03	-1.02E-03
1.27E+02	4.25E-03	2.14E-03	-8.77E-04
1.27E+02	4.10E-03	1.97E-03	-5.81E-04
1.27E+02	3.92E-03	1.77E-03	-2.98E-04
1.27E+02	3.72E-03	1.57E-03	-5.49E-05
1.27E+02	3.51E-03	1.39E-03	2.06E-04
1.27E+02	3.38E-03	1.28E-03	4.38E-04
1.27E+02	3.29E-03	1.23E-03	6.44E-04
1.27E+02	3.21E-03	1.21E-03	7.59E-04

1.27E+02	3.19E-03	1.24E-03	8.19E-04
1.27E+02	3.21E-03	1.30E-03	9.55E-04
1.27E+02	3.25E-03	1.32E-03	1.06E-03
1.27E+02	3.26E-03	1.28E-03	1.09E-03
1.27E+02	3.20E-03	1.19E-03	1.08E-03
1.27E+02	3.16E-03	1.08E-03	9.93E-04
1.27E+02	3.12E-03	9.83E-04	8.91E-04
1.27E+02	2.99E-03	8.53E-04	7.64E-04
1.27E+02	2.84E-03	7.19E-04	6.54E-04
1.27E+02	2.67E-03	6.07E-04	6.86E-04
1.27E+02	2.48E-03	4.96E-04	7.18E-04
1.27E+02	2.26E-03	3.10E-04	6.71E-04
1.27E+02	2.00E-03	1.22E-04	6.38E-04
1.27E+02	1.80E-03	-1.13E-05	6.50E-04
1.27E+02	1.62E-03	-1.44E-04	7.22E-04
1.27E+02	1.46E-03	-2.37E-04	7.25E-04
1.27E+02	1.37E-03	-3.57E-04	6.77E-04
1.27E+02	1.31E-03	-4.25E-04	7.55E-04
1.27E+02	1.33E-03	-4.68E-04	8.19E-04
1.27E+02	1.38E-03	-5.92E-04	8.58E-04
1.27E+02	1.42E-03	-6.58E-04	1.00E-03
1.27E+02	1.47E-03	-7.56E-04	1.11E-03
1.27E+02	1.56E-03	-8.63E-04	1.15E-03
1.27E+02	1.64E-03	-9.37E-04	1.14E-03
1.27E+02	1.68E-03	-1.05E-03	1.09E-03
1.27E+02	1.76E-03	-1.09E-03	1.10E-03
1.27E+02	1.82E-03	-1.12E-03	1.12E-03
1.27E+02	1.84E-03	-1.16E-03	1.05E-03
1.27E+02	1.83E-03	-1.20E-03	9.53E-04
1.27E+02	1.77E-03	-1.19E-03	9.49E-04
1.27E+02	1.75E-03	-1.15E-03	1.00E-03
1.27E+02	1.68E-03	-1.13E-03	1.11E-03
1.27E+02	1.56E-03	-1.13E-03	1.25E-03
1.27E+02	1.45E-03	-1.15E-03	1.45E-03
1.27E+02	1.28E-03	-1.15E-03	1.72E-03
1.27E+02	1.07E-03	-1.19E-03	1.87E-03
1.27E+02	7.98E-04	-1.25E-03	1.93E-03
1.27E+02	5.10E-04	-1.28E-03	1.92E-03
1.27E+02	2.90E-04	-1.32E-03	1.83E-03
1.27E+02	7.38E-05	-1.39E-03	1.74E-03
1.27E+02	-1.19E-04	-1.49E-03	1.62E-03
1.27E+02	-2.49E-04	-1.60E-03	1.57E-03
1.27E+02	-3.26E-04	-1.67E-03	1.61E-03
1.27E+02	-3.74E-04	-1.78E-03	1.55E-03
1.27E+02	-4.15E-04	-1.87E-03	1.46E-03
1.27E+02	-4.73E-04	-1.88E-03	1.44E-03
1.27E+02	-5.20E-04	-1.89E-03	1.37E-03

1.27E+02	-5.68E-04	-1.78E-03	1.25E-03
1.27E+02	-7.02E-04	-1.62E-03	1.09E-03
1.27E+02	-8.33E-04	-1.48E-03	8.98E-04
1.27E+02	-9.30E-04	-1.31E-03	8.17E-04
1.27E+02	-1.06E-03	-1.16E-03	7.75E-04
1.27E+02	-1.26E-03	-1.04E-03	7.29E-04
1.27E+02	-1.52E-03	-9.72E-04	6.49E-04
1.27E+02	-1.74E-03	-9.15E-04	5.44E-04
1.27E+02	-1.97E-03	-8.58E-04	5.60E-04
1.27E+02	-2.22E-03	-8.40E-04	5.84E-04
1.27E+02	-2.42E-03	-8.37E-04	5.86E-04
1.27E+02	-2.57E-03	-7.93E-04	6.71E-04
1.27E+02	-2.63E-03	-7.42E-04	7.60E-04
1.27E+02	-2.64E-03	-7.93E-04	7.92E-04
1.27E+02	-2.61E-03	-8.34E-04	8.80E-04
1.27E+02	-2.42E-03	-7.62E-04	1.06E-03
1.27E+02	-2.22E-03	-7.46E-04	1.19E-03
1.27E+02	-2.05E-03	-7.65E-04	1.28E-03
1.27E+02	-1.82E-03	-7.54E-04	1.37E-03
1.27E+02	-1.58E-03	-7.83E-04	1.45E-03
1.27E+02	-1.33E-03	-7.72E-04	1.55E-03
1.27E+02	-1.14E-03	-7.57E-04	1.51E-03
1.27E+02	-1.02E-03	-7.62E-04	1.38E-03
1.27E+02	-8.98E-04	-7.27E-04	1.33E-03
1.27E+02	-8.12E-04	-6.92E-04	1.33E-03
1.27E+02	-7.86E-04	-6.78E-04	1.24E-03
1.27E+02	-8.18E-04	-7.37E-04	1.05E-03
1.27E+02	-8.96E-04	-8.00E-04	9.54E-04
1.27E+02	-1.01E-03	-8.76E-04	8.54E-04
1.27E+02	-1.18E-03	-1.01E-03	6.65E-04
1.28E+02	-1.41E-03	-1.08E-03	5.08E-04
1.28E+02	-1.62E-03	-1.13E-03	4.08E-04
1.28E+02	-1.80E-03	-1.16E-03	4.03E-04
1.28E+02	-1.99E-03	-1.17E-03	4.04E-04
1.28E+02	-2.15E-03	-1.21E-03	3.48E-04
1.28E+02	-2.22E-03	-1.23E-03	3.79E-04
1.28E+02	-2.29E-03	-1.24E-03	4.21E-04
1.28E+02	-2.32E-03	-1.30E-03	4.48E-04
1.28E+02	-2.34E-03	-1.36E-03	5.44E-04
1.28E+02	-2.35E-03	-1.42E-03	6.23E-04
1.28E+02	-2.29E-03	-1.48E-03	7.19E-04
1.28E+02	-2.25E-03	-1.57E-03	8.23E-04
1.28E+02	-2.24E-03	-1.72E-03	8.50E-04
1.28E+02	-2.17E-03	-1.86E-03	8.90E-04
1.28E+02	-2.09E-03	-1.98E-03	9.44E-04
1.28E+02	-1.99E-03	-2.13E-03	9.21E-04
1.28E+02	-1.91E-03	-2.33E-03	8.35E-04

1.28E+02	-1.83E-03	-2.51E-03	7.31E-04
1.28E+02	-1.75E-03	-2.69E-03	6.11E-04
1.28E+02	-1.73E-03	-2.89E-03	4.30E-04
1.28E+02	-1.73E-03	-3.09E-03	1.97E-04
1.28E+02	-1.70E-03	-3.24E-03	4.44E-05
1.28E+02	-1.66E-03	-3.34E-03	-2.48E-06
1.28E+02	-1.59E-03	-3.41E-03	-2.59E-05
1.28E+02	-1.53E-03	-3.47E-03	1.41E-05
1.28E+02	-1.47E-03	-3.48E-03	1.04E-04
1.28E+02	-1.36E-03	-3.48E-03	1.75E-04
1.28E+02	-1.28E-03	-3.46E-03	2.08E-04
1.28E+02	-1.24E-03	-3.41E-03	1.58E-04
1.28E+02	-1.22E-03	-3.28E-03	1.50E-04
1.28E+02	-1.19E-03	-3.06E-03	2.19E-04
1.28E+02	-1.18E-03	-2.81E-03	2.03E-04
1.28E+02	-1.20E-03	-2.53E-03	1.62E-04
1.28E+02	-1.24E-03	-2.23E-03	1.72E-04
1.28E+02	-1.24E-03	-1.93E-03	2.05E-04
1.28E+02	-1.28E-03	-1.68E-03	2.67E-04
1.28E+02	-1.35E-03	-1.54E-03	2.92E-04
1.28E+02	-1.42E-03	-1.47E-03	3.13E-04
1.28E+02	-1.47E-03	-1.44E-03	3.75E-04
1.28E+02	-1.54E-03	-1.48E-03	3.43E-04
1.28E+02	-1.64E-03	-1.55E-03	2.45E-04
1.28E+02	-1.73E-03	-1.60E-03	1.58E-04
1.28E+02	-1.77E-03	-1.64E-03	6.75E-05
1.28E+02	-1.80E-03	-1.67E-03	2.38E-05
1.28E+02	-1.87E-03	-1.73E-03	-3.99E-05
1.28E+02	-1.92E-03	-1.81E-03	-1.44E-04
1.28E+02	-1.95E-03	-1.87E-03	-2.16E-04
1.28E+02	-1.97E-03	-1.94E-03	-3.00E-04
1.28E+02	-1.99E-03	-2.04E-03	-3.52E-04
1.28E+02	-2.04E-03	-2.12E-03	-3.07E-04
1.28E+02	-2.04E-03	-2.16E-03	-2.25E-04
1.28E+02	-2.04E-03	-2.13E-03	-1.25E-04
1.28E+02	-2.10E-03	-2.08E-03	-1.39E-05
1.28E+02	-2.15E-03	-1.98E-03	7.21E-05
1.28E+02	-2.17E-03	-1.79E-03	1.91E-04
1.28E+02	-2.21E-03	-1.59E-03	2.71E-04
1.28E+02	-2.28E-03	-1.36E-03	2.07E-04
1.28E+02	-2.34E-03	-1.15E-03	1.27E-04
1.28E+02	-2.32E-03	-9.04E-04	5.97E-05
1.28E+02	-2.31E-03	-6.80E-04	-2.56E-05
1.28E+02	-2.31E-03	-5.26E-04	-1.04E-04
1.28E+02	-2.26E-03	-3.57E-04	-1.79E-04
1.28E+02	-2.21E-03	-1.77E-04	-1.68E-04
1.28E+02	-2.13E-03	3.51E-05	-1.26E-04

1.28E+02	-2.08E-03	2.70E-04	-1.67E-04
1.28E+02	-2.05E-03	5.06E-04	-2.71E-04
1.28E+02	-2.01E-03	7.89E-04	-4.14E-04
1.28E+02	-1.97E-03	1.09E-03	-5.20E-04
1.28E+02	-1.99E-03	1.36E-03	-6.45E-04
1.28E+02	-2.01E-03	1.56E-03	-8.08E-04
1.28E+02	-2.00E-03	1.74E-03	-8.64E-04
1.28E+02	-1.97E-03	1.89E-03	-9.27E-04
1.28E+02	-1.91E-03	1.94E-03	-1.12E-03
1.28E+02	-1.85E-03	1.96E-03	-1.30E-03
1.28E+02	-1.71E-03	1.98E-03	-1.37E-03
1.28E+02	-1.50E-03	1.98E-03	-1.29E-03
1.28E+02	-1.30E-03	1.95E-03	-1.16E-03
1.28E+02	-1.12E-03	1.85E-03	-1.07E-03
1.28E+02	-9.47E-04	1.73E-03	-9.50E-04
1.28E+02	-7.90E-04	1.59E-03	-8.36E-04
1.28E+02	-6.33E-04	1.40E-03	-7.04E-04
1.28E+02	-5.64E-04	1.19E-03	-4.63E-04
1.28E+02	-5.39E-04	1.01E-03	-1.77E-04
1.28E+02	-5.03E-04	8.70E-04	1.04E-04
1.28E+02	-5.60E-04	7.35E-04	3.22E-04
1.28E+02	-6.46E-04	5.89E-04	4.08E-04
1.28E+02	-7.13E-04	4.63E-04	4.29E-04
1.28E+02	-7.75E-04	3.38E-04	3.59E-04
1.28E+02	-7.86E-04	2.00E-04	1.54E-04
1.28E+02	-7.92E-04	7.42E-05	-7.02E-05
1.28E+02	-7.20E-04	-4.02E-05	-2.79E-04
1.28E+02	-5.22E-04	-1.50E-04	-4.54E-04
1.28E+02	-3.15E-04	-2.63E-04	-5.70E-04
1.28E+02	-1.06E-04	-4.09E-04	-7.41E-04
1.28E+02	1.23E-04	-5.27E-04	-9.06E-04
1.28E+02	3.75E-04	-5.43E-04	-9.73E-04
1.28E+02	6.63E-04	-4.78E-04	-1.02E-03
1.28E+02	9.37E-04	-3.54E-04	-9.70E-04
1.28E+02	1.21E-03	-2.04E-04	-8.33E-04
1.28E+02	1.51E-03	-6.73E-05	-6.45E-04
1.28E+02	1.77E-03	1.51E-05	-3.93E-04
1.28E+02	1.95E-03	-2.38E-05	-2.07E-04
1.28E+02	2.11E-03	-1.59E-04	-5.38E-05
1.28E+02	2.22E-03	-3.38E-04	1.05E-04
1.28E+02	2.29E-03	-5.54E-04	1.76E-04
1.28E+02	2.29E-03	-7.67E-04	2.49E-04
1.28E+02	2.23E-03	-9.59E-04	3.30E-04
1.28E+02	2.19E-03	-1.14E-03	3.83E-04
1.28E+02	2.12E-03	-1.31E-03	4.55E-04
1.28E+02	1.99E-03	-1.50E-03	4.76E-04
1.28E+02	1.89E-03	-1.71E-03	4.93E-04

1.28E+02	1.82E-03	-1.88E-03	5.21E-04
1.28E+02	1.79E-03	-2.04E-03	4.44E-04
1.28E+02	1.78E-03	-2.17E-03	3.39E-04
1.28E+02	1.76E-03	-2.22E-03	2.77E-04
1.28E+02	1.77E-03	-2.23E-03	2.52E-04
1.28E+02	1.75E-03	-2.21E-03	2.21E-04
1.28E+02	1.64E-03	-2.22E-03	1.06E-04
1.28E+02	1.51E-03	-2.26E-03	9.54E-06
1.28E+02	1.32E-03	-2.31E-03	-4.96E-06
1.28E+02	1.08E-03	-2.42E-03	-1.39E-05
1.28E+02	7.93E-04	-2.52E-03	-9.16E-06
1.28E+02	4.18E-04	-2.55E-03	2.38E-05
1.28E+02	5.34E-05	-2.56E-03	6.92E-05
1.28E+02	-3.13E-04	-2.52E-03	1.55E-04
1.28E+02	-7.50E-04	-2.45E-03	1.96E-04
1.28E+02	-1.19E-03	-2.41E-03	1.65E-04
1.28E+02	-1.59E-03	-2.30E-03	1.96E-04
1.28E+02	-1.94E-03	-2.20E-03	1.79E-04
1.28E+02	-2.24E-03	-2.16E-03	1.13E-04
1.28E+02	-2.50E-03	-2.10E-03	1.54E-04
1.28E+02	-2.64E-03	-2.04E-03	2.00E-04
1.28E+02	-2.67E-03	-2.02E-03	2.85E-04
1.28E+02	-2.65E-03	-2.02E-03	4.04E-04
1.28E+02	-2.55E-03	-2.10E-03	4.43E-04
1.28E+02	-2.37E-03	-2.21E-03	4.95E-04
1.28E+02	-2.13E-03	-2.32E-03	4.83E-04
1.28E+02	-1.89E-03	-2.48E-03	4.03E-04
1.28E+02	-1.70E-03	-2.64E-03	3.88E-04
1.28E+02	-1.50E-03	-2.81E-03	4.03E-04
1.28E+02	-1.30E-03	-2.99E-03	4.82E-04
1.28E+02	-1.19E-03	-3.17E-03	5.62E-04
1.28E+02	-1.13E-03	-3.37E-03	5.88E-04
1.28E+02	-1.09E-03	-3.52E-03	6.49E-04
1.28E+02	-1.08E-03	-3.61E-03	6.80E-04
1.28E+02	-1.08E-03	-3.66E-03	6.26E-04
1.28E+02	-1.14E-03	-3.69E-03	5.37E-04
1.28E+02	-1.20E-03	-3.70E-03	4.07E-04
1.28E+02	-1.24E-03	-3.71E-03	2.94E-04
1.28E+02	-1.32E-03	-3.74E-03	2.25E-04
1.28E+02	-1.40E-03	-3.85E-03	1.79E-04
1.28E+02	-1.45E-03	-3.99E-03	2.66E-04
1.28E+02	-1.47E-03	-4.14E-03	4.64E-04
1.28E+02	-1.46E-03	-4.33E-03	6.32E-04
1.28E+02	-1.46E-03	-4.49E-03	7.86E-04
1.28E+02	-1.43E-03	-4.65E-03	8.91E-04
1.28E+02	-1.32E-03	-4.75E-03	9.29E-04
1.28E+02	-1.19E-03	-4.82E-03	9.25E-04

1.28E+02	-1.06E-03	-4.88E-03	8.20E-04
1.28E+02	-8.77E-04	-4.88E-03	7.45E-04
1.28E+02	-6.57E-04	-4.81E-03	7.25E-04
1.28E+02	-4.33E-04	-4.76E-03	5.84E-04
1.28E+02	-2.79E-04	-4.72E-03	3.92E-04
1.28E+02	-1.79E-04	-4.69E-03	1.90E-04
1.28E+02	-7.57E-05	-4.64E-03	-2.23E-05
1.28E+02	-5.32E-05	-4.59E-03	-1.92E-04
1.28E+02	-9.82E-05	-4.56E-03	-3.63E-04
1.28E+02	-1.52E-04	-4.49E-03	-4.13E-04
1.28E+02	-2.29E-04	-4.38E-03	-3.02E-04
1.28E+02	-3.13E-04	-4.29E-03	-1.60E-04
1.28E+02	-4.55E-04	-4.21E-03	2.54E-05
1.28E+02	-6.25E-04	-4.16E-03	1.95E-04
1.28E+02	-7.28E-04	-4.11E-03	3.48E-04
1.28E+02	-8.50E-04	-4.05E-03	5.18E-04
1.28E+02	-1.01E-03	-4.03E-03	5.90E-04
1.28E+02	-1.15E-03	-3.96E-03	6.89E-04
1.28E+02	-1.29E-03	-3.85E-03	8.72E-04
1.28E+02	-1.41E-03	-3.75E-03	9.92E-04
1.28E+02	-1.57E-03	-3.64E-03	1.11E-03
1.28E+02	-1.79E-03	-3.54E-03	1.20E-03
1.28E+02	-1.96E-03	-3.42E-03	1.19E-03
1.28E+02	-2.12E-03	-3.28E-03	1.09E-03
1.28E+02	-2.28E-03	-3.17E-03	7.91E-04
1.28E+02	-2.39E-03	-3.06E-03	4.06E-04
1.28E+02	-2.44E-03	-2.91E-03	9.56E-05
1.28E+02	-2.44E-03	-2.77E-03	-1.93E-04
1.28E+02	-2.42E-03	-2.65E-03	-3.94E-04
1.28E+02	-2.43E-03	-2.61E-03	-4.73E-04
1.28E+02	-2.37E-03	-2.64E-03	-5.08E-04
1.28E+02	-2.33E-03	-2.73E-03	-4.52E-04
1.28E+02	-2.37E-03	-2.93E-03	-4.07E-04
1.28E+02	-2.43E-03	-3.15E-03	-3.81E-04
1.28E+02	-2.53E-03	-3.34E-03	-2.32E-04
1.28E+02	-2.61E-03	-3.48E-03	-7.90E-05
1.28E+02	-2.69E-03	-3.58E-03	1.14E-04
1.28E+02	-2.79E-03	-3.63E-03	4.42E-04
1.28E+02	-2.80E-03	-3.63E-03	8.11E-04
1.28E+02	-2.76E-03	-3.59E-03	1.22E-03
1.28E+02	-2.73E-03	-3.58E-03	1.51E-03
1.28E+02	-2.63E-03	-3.55E-03	1.64E-03
1.29E+02	-2.46E-03	-3.49E-03	1.78E-03
1.29E+02	-2.27E-03	-3.42E-03	1.90E-03
1.29E+02	-2.08E-03	-3.34E-03	1.98E-03
1.29E+02	-1.94E-03	-3.25E-03	2.07E-03
1.29E+02	-1.78E-03	-3.15E-03	2.07E-03

1.29E+02	-1.63E-03	-3.03E-03	2.05E-03
1.29E+02	-1.55E-03	-2.92E-03	1.99E-03
1.29E+02	-1.50E-03	-2.84E-03	1.81E-03
1.29E+02	-1.47E-03	-2.74E-03	1.65E-03
1.29E+02	-1.40E-03	-2.63E-03	1.45E-03
1.29E+02	-1.35E-03	-2.56E-03	1.17E-03
1.29E+02	-1.32E-03	-2.48E-03	9.85E-04
1.29E+02	-1.24E-03	-2.39E-03	8.82E-04
1.29E+02	-1.12E-03	-2.29E-03	8.67E-04
1.29E+02	-1.02E-03	-2.23E-03	9.10E-04
1.29E+02	-9.18E-04	-2.24E-03	9.46E-04
1.29E+02	-7.95E-04	-2.26E-03	1.08E-03
1.29E+02	-6.70E-04	-2.27E-03	1.23E-03
1.29E+02	-5.57E-04	-2.29E-03	1.33E-03
1.29E+02	-5.09E-04	-2.31E-03	1.46E-03
1.29E+02	-5.09E-04	-2.31E-03	1.49E-03
1.29E+02	-4.95E-04	-2.31E-03	1.38E-03
1.29E+02	-5.06E-04	-2.30E-03	1.19E-03
1.29E+02	-5.38E-04	-2.34E-03	9.28E-04
1.29E+02	-5.20E-04	-2.40E-03	7.47E-04
1.29E+02	-4.63E-04	-2.49E-03	6.42E-04
1.29E+02	-3.71E-04	-2.65E-03	5.37E-04
1.29E+02	-2.67E-04	-2.81E-03	5.33E-04
1.29E+02	-1.58E-04	-2.97E-03	5.13E-04
1.29E+02	1.39E-05	-3.13E-03	4.19E-04
1.29E+02	1.84E-04	-3.26E-03	2.78E-04
1.29E+02	3.65E-04	-3.42E-03	1.43E-05
1.29E+02	6.22E-04	-3.55E-03	-2.00E-04
1.29E+02	9.15E-04	-3.62E-03	-2.57E-04
1.29E+02	1.24E-03	-3.71E-03	-2.43E-04
1.29E+02	1.50E-03	-3.83E-03	-1.44E-04
1.29E+02	1.70E-03	-3.95E-03	-3.09E-05
1.29E+02	1.92E-03	-4.05E-03	8.07E-05
1.29E+02	2.06E-03	-4.14E-03	2.37E-04
1.29E+02	2.11E-03	-4.26E-03	3.46E-04
1.29E+02	2.11E-03	-4.35E-03	4.58E-04
1.29E+02	2.09E-03	-4.39E-03	6.14E-04
1.29E+02	2.05E-03	-4.42E-03	7.04E-04
1.29E+02	1.98E-03	-4.44E-03	7.80E-04
1.29E+02	1.90E-03	-4.43E-03	9.22E-04
1.29E+02	1.89E-03	-4.38E-03	1.13E-03
1.29E+02	1.88E-03	-4.33E-03	1.37E-03
1.29E+02	1.85E-03	-4.32E-03	1.52E-03
1.29E+02	1.84E-03	-4.34E-03	1.57E-03
1.29E+02	1.84E-03	-4.36E-03	1.58E-03
1.29E+02	1.83E-03	-4.38E-03	1.49E-03
1.29E+02	1.77E-03	-4.42E-03	1.34E-03

1.29E+02	1.67E-03	-4.42E-03	1.19E-03
1.29E+02	1.62E-03	-4.38E-03	1.02E-03
1.29E+02	1.58E-03	-4.32E-03	9.28E-04
1.29E+02	1.53E-03	-4.28E-03	8.52E-04
1.29E+02	1.49E-03	-4.27E-03	7.60E-04
1.29E+02	1.48E-03	-4.24E-03	7.14E-04
1.29E+02	1.50E-03	-4.21E-03	6.26E-04
1.29E+02	1.51E-03	-4.17E-03	5.17E-04
1.29E+02	1.47E-03	-4.06E-03	4.74E-04
1.29E+02	1.45E-03	-3.88E-03	4.46E-04
1.29E+02	1.42E-03	-3.61E-03	4.51E-04
1.29E+02	1.31E-03	-3.32E-03	4.41E-04
1.29E+02	1.18E-03	-3.05E-03	3.85E-04
1.29E+02	1.05E-03	-2.77E-03	3.96E-04
1.29E+02	9.08E-04	-2.48E-03	4.31E-04
1.29E+02	7.54E-04	-2.22E-03	4.63E-04
1.29E+02	5.28E-04	-1.96E-03	5.15E-04
1.29E+02	3.36E-04	-1.70E-03	5.58E-04
1.29E+02	2.00E-04	-1.42E-03	6.05E-04
1.29E+02	1.66E-05	-1.18E-03	5.66E-04
1.29E+02	-1.35E-04	-9.67E-04	4.26E-04
1.29E+02	-2.27E-04	-7.45E-04	3.25E-04
1.29E+02	-2.57E-04	-5.32E-04	2.34E-04
1.29E+02	-2.20E-04	-3.66E-04	1.01E-04
1.29E+02	-1.86E-04	-2.48E-04	-2.88E-05
1.29E+02	-8.64E-05	-1.49E-04	-1.68E-04
1.29E+02	9.92E-05	-4.79E-05	-2.48E-04
1.29E+02	2.84E-04	2.10E-05	-2.97E-04
1.29E+02	4.81E-04	5.66E-05	-3.77E-04
1.29E+02	7.06E-04	1.18E-04	-3.93E-04
1.29E+02	9.65E-04	2.01E-04	-3.81E-04
1.29E+02	1.23E-03	2.92E-04	-3.58E-04
1.29E+02	1.43E-03	3.91E-04	-2.69E-04
1.29E+02	1.64E-03	4.88E-04	-1.81E-04
1.29E+02	1.86E-03	5.88E-04	-8.30E-05
1.29E+02	1.99E-03	6.86E-04	3.15E-05
1.29E+02	2.07E-03	7.67E-04	1.11E-04
1.29E+02	2.12E-03	8.62E-04	2.65E-04
1.29E+02	2.15E-03	9.91E-04	4.78E-04
1.29E+02	2.15E-03	1.09E-03	6.46E-04
1.29E+02	2.07E-03	1.18E-03	8.83E-04
1.29E+02	1.96E-03	1.27E-03	1.17E-03
1.29E+02	1.85E-03	1.33E-03	1.42E-03
1.29E+02	1.68E-03	1.36E-03	1.58E-03
1.29E+02	1.44E-03	1.30E-03	1.52E-03
1.29E+02	1.20E-03	1.20E-03	1.41E-03
1.29E+02	9.61E-04	1.09E-03	1.32E-03

1.29E+02	7.27E-04	9.50E-04	1.17E-03
1.29E+02	4.56E-04	8.40E-04	1.07E-03
1.29E+02	1.97E-04	7.83E-04	9.83E-04
1.29E+02	6.10E-06	7.90E-04	8.96E-04
1.29E+02	-1.98E-04	8.69E-04	8.47E-04
1.29E+02	-4.16E-04	9.63E-04	7.45E-04
1.29E+02	-6.21E-04	1.10E-03	6.40E-04
1.29E+02	-8.05E-04	1.30E-03	5.71E-04
1.29E+02	-9.48E-04	1.51E-03	4.66E-04
1.29E+02	-1.10E-03	1.77E-03	3.93E-04
1.29E+02	-1.22E-03	2.06E-03	3.48E-04
1.29E+02	-1.23E-03	2.40E-03	3.14E-04
1.29E+02	-1.21E-03	2.74E-03	3.57E-04
1.29E+02	-1.21E-03	2.98E-03	3.73E-04
1.29E+02	-1.19E-03	3.17E-03	3.56E-04
1.29E+02	-1.17E-03	3.30E-03	3.72E-04
1.29E+02	-1.17E-03	3.37E-03	3.60E-04
1.29E+02	-1.23E-03	3.40E-03	3.72E-04
1.29E+02	-1.37E-03	3.38E-03	4.10E-04
1.29E+02	-1.49E-03	3.37E-03	4.13E-04
1.29E+02	-1.61E-03	3.40E-03	4.35E-04
1.29E+02	-1.77E-03	3.41E-03	4.20E-04
1.29E+02	-1.88E-03	3.40E-03	3.63E-04
1.29E+02	-1.96E-03	3.41E-03	3.46E-04
1.29E+02	-1.99E-03	3.42E-03	2.82E-04
1.29E+02	-2.02E-03	3.38E-03	1.47E-04
1.29E+02	-2.08E-03	3.36E-03	-1.43E-05
1.29E+02	-2.06E-03	3.39E-03	-1.99E-04
1.29E+02	-2.03E-03	3.45E-03	-3.32E-04
1.29E+02	-2.05E-03	3.51E-03	-4.41E-04
1.29E+02	-2.05E-03	3.59E-03	-5.25E-04
1.29E+02	-2.05E-03	3.68E-03	-5.19E-04
1.29E+02	-2.08E-03	3.79E-03	-5.36E-04
1.29E+02	-2.15E-03	3.90E-03	-6.05E-04
1.29E+02	-2.30E-03	4.00E-03	-6.81E-04
1.29E+02	-2.45E-03	4.10E-03	-7.56E-04
1.29E+02	-2.58E-03	4.20E-03	-7.78E-04
1.29E+02	-2.73E-03	4.27E-03	-7.88E-04
1.29E+02	-2.86E-03	4.33E-03	-7.84E-04
1.29E+02	-2.93E-03	4.36E-03	-6.51E-04
1.29E+02	-2.95E-03	4.39E-03	-4.77E-04
1.29E+02	-2.91E-03	4.38E-03	-3.55E-04
1.29E+02	-2.87E-03	4.33E-03	-2.31E-04
1.29E+02	-2.79E-03	4.26E-03	-1.66E-04
1.29E+02	-2.68E-03	4.16E-03	-1.53E-04
1.29E+02	-2.59E-03	4.04E-03	-1.75E-04
1.29E+02	-2.51E-03	3.85E-03	-3.01E-04

1.29E+02	-2.42E-03	3.65E-03	-3.75E-04
1.29E+02	-2.32E-03	3.45E-03	-3.78E-04
1.29E+02	-2.24E-03	3.24E-03	-4.33E-04
1.29E+02	-2.21E-03	3.06E-03	-4.90E-04
1.29E+02	-2.15E-03	2.90E-03	-5.99E-04
1.29E+02	-2.02E-03	2.81E-03	-7.48E-04
1.29E+02	-1.87E-03	2.76E-03	-8.94E-04
1.29E+02	-1.71E-03	2.71E-03	-1.13E-03
1.29E+02	-1.50E-03	2.70E-03	-1.37E-03
1.29E+02	-1.26E-03	2.69E-03	-1.55E-03
1.29E+02	-9.80E-04	2.63E-03	-1.72E-03
1.29E+02	-7.51E-04	2.55E-03	-1.76E-03
1.29E+02	-5.71E-04	2.44E-03	-1.71E-03
1.29E+02	-4.01E-04	2.30E-03	-1.58E-03
1.29E+02	-3.27E-04	2.15E-03	-1.40E-03
1.29E+02	-3.38E-04	1.93E-03	-1.29E-03
1.29E+02	-3.60E-04	1.70E-03	-1.13E-03
1.29E+02	-4.14E-04	1.51E-03	-9.17E-04
1.29E+02	-4.54E-04	1.36E-03	-7.47E-04
1.29E+02	-4.81E-04	1.29E-03	-5.66E-04
1.29E+02	-4.94E-04	1.30E-03	-4.34E-04
1.29E+02	-3.88E-04	1.36E-03	-3.17E-04
1.29E+02	-2.33E-04	1.45E-03	-1.47E-04
1.29E+02	-8.96E-05	1.49E-03	1.91E-06
1.29E+02	8.37E-05	1.47E-03	1.85E-04
1.29E+02	2.68E-04	1.45E-03	3.89E-04
1.29E+02	4.67E-04	1.37E-03	5.07E-04
1.29E+02	6.23E-04	1.27E-03	6.07E-04
1.29E+02	7.15E-04	1.19E-03	6.89E-04
1.29E+02	8.54E-04	1.13E-03	7.05E-04
1.29E+02	9.88E-04	1.10E-03	6.95E-04
1.29E+02	1.08E-03	1.05E-03	5.86E-04
1.29E+02	1.17E-03	9.86E-04	4.06E-04
1.29E+02	1.24E-03	9.22E-04	2.57E-04
1.29E+02	1.30E-03	8.42E-04	8.85E-05
1.29E+02	1.28E-03	7.26E-04	-7.31E-05
1.29E+02	1.17E-03	5.93E-04	-1.84E-04
1.29E+02	1.08E-03	4.80E-04	-2.57E-04
1.29E+02	9.64E-04	3.75E-04	-2.76E-04
1.29E+02	8.10E-04	2.60E-04	-3.19E-04
1.29E+02	6.90E-04	1.44E-04	-3.88E-04
1.29E+02	6.18E-04	6.16E-05	-4.01E-04
1.29E+02	6.34E-04	8.96E-06	-4.50E-04
1.29E+02	6.88E-04	-3.91E-05	-5.55E-04
1.29E+02	7.56E-04	-6.14E-05	-6.48E-04
1.29E+02	8.99E-04	-3.59E-05	-7.35E-04
1.29E+02	1.04E-03	4.88E-05	-7.51E-04

1.29E+02	1.10E-03	1.50E-04	-7.44E-04
1.29E+02	1.13E-03	2.53E-04	-7.21E-04
1.29E+02	1.12E-03	4.15E-04	-5.31E-04
1.29E+02	1.05E-03	6.06E-04	-2.94E-04
1.29E+02	9.03E-04	8.13E-04	-1.02E-04
1.29E+02	6.60E-04	1.07E-03	9.14E-05
1.29E+02	3.98E-04	1.35E-03	1.94E-04
1.30E+02	1.45E-04	1.64E-03	2.45E-04
1.30E+02	-1.64E-04	1.90E-03	2.11E-04
1.30E+02	-4.68E-04	2.10E-03	1.07E-05
1.30E+02	-7.22E-04	2.28E-03	-1.67E-04
1.30E+02	-9.22E-04	2.45E-03	-2.75E-04
1.30E+02	-1.06E-03	2.58E-03	-3.08E-04
1.30E+02	-1.17E-03	2.70E-03	-1.88E-04
1.30E+02	-1.21E-03	2.82E-03	-4.43E-05
1.30E+02	-1.18E-03	2.95E-03	5.02E-05
1.30E+02	-1.16E-03	3.06E-03	2.56E-05
1.30E+02	-1.10E-03	3.12E-03	-1.77E-04
1.30E+02	-9.88E-04	3.17E-03	-3.68E-04
1.30E+02	-8.40E-04	3.25E-03	-4.87E-04
1.30E+02	-6.77E-04	3.32E-03	-6.03E-04
1.30E+02	-5.48E-04	3.36E-03	-6.69E-04
1.30E+02	-4.09E-04	3.39E-03	-6.95E-04
1.30E+02	-2.36E-04	3.41E-03	-6.92E-04
1.30E+02	-8.77E-05	3.41E-03	-6.54E-04
1.30E+02	4.77E-05	3.37E-03	-6.28E-04
1.30E+02	1.94E-04	3.33E-03	-5.66E-04
1.30E+02	3.54E-04	3.30E-03	-4.83E-04
1.30E+02	5.23E-04	3.25E-03	-4.42E-04
1.30E+02	6.56E-04	3.20E-03	-3.15E-04
1.30E+02	7.81E-04	3.16E-03	-8.09E-05
1.30E+02	9.40E-04	3.15E-03	1.90E-04
1.30E+02	1.06E-03	3.15E-03	4.47E-04
1.30E+02	1.13E-03	3.12E-03	5.57E-04
1.30E+02	1.20E-03	3.11E-03	5.68E-04
1.30E+02	1.26E-03	3.13E-03	5.04E-04
1.30E+02	1.28E-03	3.14E-03	3.08E-04
1.30E+02	1.27E-03	3.15E-03	1.03E-04
1.30E+02	1.19E-03	3.13E-03	-5.53E-05
1.30E+02	1.14E-03	3.07E-03	-1.46E-04
1.30E+02	1.07E-03	2.97E-03	-1.80E-04
1.30E+02	9.60E-04	2.76E-03	-3.01E-04
1.30E+02	8.79E-04	2.47E-03	-4.50E-04
1.30E+02	8.27E-04	2.17E-03	-5.46E-04
1.30E+02	8.20E-04	1.84E-03	-7.10E-04
1.30E+02	8.22E-04	1.52E-03	-9.18E-04
1.30E+02	8.12E-04	1.26E-03	-1.10E-03

1.30E+02	8.43E-04	1.05E-03	-1.24E-03
1.30E+02	8.77E-04	8.66E-04	-1.27E-03
1.30E+02	8.79E-04	6.59E-04	-1.23E-03
1.30E+02	8.81E-04	4.13E-04	-1.14E-03
1.30E+02	8.83E-04	2.09E-04	-9.98E-04
1.30E+02	8.57E-04	-1.47E-05	-8.65E-04
1.30E+02	7.47E-04	-2.23E-04	-7.55E-04
1.30E+02	5.70E-04	-3.53E-04	-6.79E-04
1.30E+02	3.76E-04	-4.46E-04	-6.34E-04
1.30E+02	1.48E-04	-4.51E-04	-5.96E-04
1.30E+02	-1.37E-04	-4.75E-04	-5.73E-04
1.30E+02	-4.01E-04	-5.21E-04	-5.09E-04
1.30E+02	-5.85E-04	-4.76E-04	-3.05E-04
1.30E+02	-6.96E-04	-4.32E-04	-2.96E-05
1.30E+02	-7.45E-04	-3.78E-04	1.69E-04
1.30E+02	-7.44E-04	-2.91E-04	3.03E-04
1.30E+02	-6.29E-04	-1.56E-04	4.02E-04
1.30E+02	-4.51E-04	4.14E-05	4.61E-04
1.30E+02	-3.00E-04	2.31E-04	4.15E-04
1.30E+02	-1.17E-04	4.01E-04	2.76E-04
1.30E+02	5.91E-05	5.62E-04	2.39E-04
1.30E+02	2.15E-04	7.06E-04	2.38E-04
1.30E+02	3.42E-04	7.94E-04	1.89E-04
1.30E+02	3.86E-04	8.47E-04	1.76E-04
1.30E+02	4.30E-04	9.04E-04	9.52E-05
1.30E+02	4.63E-04	9.46E-04	-5.44E-05
1.30E+02	4.45E-04	9.56E-04	-2.26E-04
1.30E+02	4.33E-04	9.49E-04	-3.81E-04
1.30E+02	4.39E-04	9.81E-04	-3.57E-04
1.30E+02	4.80E-04	1.01E-03	-2.77E-04
1.30E+02	5.46E-04	9.85E-04	-2.84E-04
1.30E+02	6.06E-04	9.27E-04	-3.03E-04
1.30E+02	6.95E-04	8.67E-04	-3.51E-04
1.30E+02	8.48E-04	8.26E-04	-4.30E-04
1.30E+02	1.01E-03	8.01E-04	-5.55E-04
1.30E+02	1.15E-03	7.54E-04	-7.84E-04
1.30E+02	1.33E-03	7.48E-04	-1.01E-03
1.30E+02	1.53E-03	8.01E-04	-1.20E-03
1.30E+02	1.70E-03	8.64E-04	-1.36E-03
1.30E+02	1.83E-03	9.65E-04	-1.39E-03
1.30E+02	1.93E-03	1.11E-03	-1.28E-03
1.30E+02	2.03E-03	1.26E-03	-1.12E-03
1.30E+02	2.08E-03	1.39E-03	-9.83E-04
1.30E+02	2.05E-03	1.49E-03	-9.63E-04
1.30E+02	2.01E-03	1.60E-03	-1.00E-03
1.30E+02	1.93E-03	1.73E-03	-1.05E-03
1.30E+02	1.82E-03	1.81E-03	-1.17E-03

1.30E+02	1.64E-03	1.85E-03	-1.26E-03
1.30E+02	1.42E-03	1.89E-03	-1.30E-03
1.30E+02	1.24E-03	1.93E-03	-1.34E-03
1.30E+02	1.02E-03	1.97E-03	-1.38E-03
1.30E+02	7.84E-04	2.00E-03	-1.46E-03
1.30E+02	6.19E-04	2.09E-03	-1.49E-03
1.30E+02	4.75E-04	2.24E-03	-1.47E-03
1.30E+02	3.71E-04	2.43E-03	-1.52E-03
1.30E+02	2.88E-04	2.65E-03	-1.53E-03
1.30E+02	2.33E-04	2.89E-03	-1.44E-03
1.30E+02	2.79E-04	3.11E-03	-1.28E-03
1.30E+02	3.49E-04	3.27E-03	-1.08E-03
1.30E+02	4.16E-04	3.35E-03	-9.57E-04
1.30E+02	5.41E-04	3.38E-03	-8.56E-04
1.30E+02	6.87E-04	3.42E-03	-7.09E-04
1.30E+02	8.41E-04	3.43E-03	-7.07E-04
1.30E+02	9.79E-04	3.41E-03	-8.42E-04
1.30E+02	1.07E-03	3.42E-03	-1.00E-03
1.30E+02	1.16E-03	3.42E-03	-1.17E-03
1.30E+02	1.19E-03	3.41E-03	-1.22E-03
1.30E+02	1.13E-03	3.34E-03	-1.20E-03
1.30E+02	1.04E-03	3.20E-03	-1.18E-03
1.30E+02	9.20E-04	3.04E-03	-1.10E-03
1.30E+02	7.82E-04	2.86E-03	-1.12E-03
1.30E+02	6.07E-04	2.67E-03	-1.24E-03
1.30E+02	4.52E-04	2.56E-03	-1.33E-03
1.30E+02	3.84E-04	2.53E-03	-1.45E-03
1.30E+02	3.69E-04	2.59E-03	-1.55E-03
1.30E+02	4.02E-04	2.70E-03	-1.65E-03
1.30E+02	5.03E-04	2.81E-03	-1.72E-03
1.30E+02	6.72E-04	2.95E-03	-1.66E-03
1.30E+02	8.88E-04	3.05E-03	-1.60E-03
1.30E+02	1.09E-03	3.07E-03	-1.56E-03
1.30E+02	1.27E-03	3.07E-03	-1.48E-03
1.30E+02	1.46E-03	3.06E-03	-1.43E-03
1.30E+02	1.65E-03	3.08E-03	-1.35E-03
1.30E+02	1.79E-03	3.13E-03	-1.29E-03
1.30E+02	1.92E-03	3.16E-03	-1.28E-03
1.30E+02	2.02E-03	3.19E-03	-1.19E-03
1.30E+02	2.09E-03	3.22E-03	-1.10E-03
1.30E+02	2.08E-03	3.23E-03	-1.03E-03
1.30E+02	1.98E-03	3.25E-03	-9.65E-04
1.30E+02	1.85E-03	3.26E-03	-9.94E-04
1.30E+02	1.70E-03	3.31E-03	-1.05E-03
1.30E+02	1.45E-03	3.39E-03	-1.14E-03
1.30E+02	1.19E-03	3.46E-03	-1.30E-03
1.30E+02	9.61E-04	3.62E-03	-1.31E-03

1.30E+02	7.78E-04	3.76E-03	-1.17E-03
1.30E+02	6.24E-04	3.81E-03	-1.00E-03
1.30E+02	4.56E-04	3.82E-03	-7.44E-04
1.30E+02	3.62E-04	3.79E-03	-4.84E-04
1.30E+02	3.51E-04	3.75E-03	-2.94E-04
1.30E+02	3.40E-04	3.71E-03	-2.19E-04
1.30E+02	3.67E-04	3.64E-03	-3.14E-04
1.30E+02	4.79E-04	3.67E-03	-4.00E-04
1.30E+02	6.53E-04	3.75E-03	-5.15E-04
1.30E+02	8.68E-04	3.81E-03	-6.99E-04
1.30E+02	1.06E-03	3.88E-03	-7.61E-04
1.30E+02	1.26E-03	3.93E-03	-8.16E-04
1.30E+02	1.49E-03	3.95E-03	-8.93E-04
1.30E+02	1.63E-03	3.92E-03	-9.35E-04
1.30E+02	1.72E-03	3.86E-03	-1.09E-03
1.30E+02	1.78E-03	3.79E-03	-1.20E-03
1.30E+02	1.76E-03	3.73E-03	-1.28E-03
1.30E+02	1.71E-03	3.63E-03	-1.45E-03
1.30E+02	1.56E-03	3.52E-03	-1.52E-03
1.30E+02	1.36E-03	3.45E-03	-1.52E-03
1.30E+02	1.17E-03	3.35E-03	-1.54E-03
1.30E+02	9.90E-04	3.28E-03	-1.54E-03
1.30E+02	8.76E-04	3.22E-03	-1.59E-03
1.30E+02	8.54E-04	3.17E-03	-1.53E-03
1.30E+02	9.19E-04	3.18E-03	-1.34E-03
1.30E+02	1.06E-03	3.18E-03	-1.23E-03
1.30E+02	1.20E-03	3.19E-03	-1.13E-03
1.30E+02	1.35E-03	3.17E-03	-1.06E-03
1.30E+02	1.56E-03	3.12E-03	-9.85E-04
1.30E+02	1.76E-03	3.03E-03	-8.38E-04
1.30E+02	1.93E-03	2.85E-03	-7.07E-04
1.30E+02	2.10E-03	2.68E-03	-5.04E-04
1.30E+02	2.24E-03	2.53E-03	-2.62E-04
1.30E+02	2.34E-03	2.35E-03	-1.74E-04
1.30E+02	2.34E-03	2.20E-03	-1.84E-04
1.30E+02	2.23E-03	2.07E-03	-2.44E-04
1.30E+02	2.11E-03	1.96E-03	-3.77E-04
1.30E+02	1.92E-03	1.90E-03	-5.52E-04
1.30E+02	1.66E-03	1.80E-03	-8.16E-04
1.30E+02	1.43E-03	1.73E-03	-1.05E-03
1.30E+02	1.20E-03	1.73E-03	-1.12E-03
1.30E+02	9.80E-04	1.71E-03	-1.17E-03
1.30E+02	7.39E-04	1.68E-03	-1.18E-03
1.30E+02	4.64E-04	1.67E-03	-1.16E-03
1.30E+02	2.53E-04	1.66E-03	-1.17E-03
1.30E+02	6.45E-05	1.65E-03	-1.14E-03
1.30E+02	-1.21E-04	1.63E-03	-1.08E-03

1.30E+02	-2.56E-04	1.62E-03	-9.65E-04
1.30E+02	-3.52E-04	1.63E-03	-6.97E-04
1.30E+02	-3.89E-04	1.60E-03	-4.75E-04
1.30E+02	-3.97E-04	1.55E-03	-2.72E-04
1.30E+02	-4.13E-04	1.49E-03	-8.96E-06
1.30E+02	-3.54E-04	1.44E-03	2.15E-04
1.30E+02	-2.63E-04	1.41E-03	4.37E-04
1.30E+02	-2.35E-04	1.36E-03	5.16E-04
1.30E+02	-1.93E-04	1.29E-03	4.70E-04
1.30E+02	-1.45E-04	1.30E-03	4.98E-04
1.30E+02	-1.22E-04	1.32E-03	4.49E-04
1.30E+02	-1.07E-04	1.34E-03	3.68E-04
1.30E+02	-1.34E-04	1.40E-03	3.27E-04
1.30E+02	-1.08E-04	1.42E-03	2.01E-04
1.30E+02	-2.17E-05	1.44E-03	8.72E-05
1.30E+02	5.23E-05	1.40E-03	-5.15E-05
1.30E+02	1.53E-04	1.28E-03	-2.22E-04
1.30E+02	2.54E-04	1.16E-03	-2.80E-04
1.30E+02	3.68E-04	9.94E-04	-3.58E-04
1.31E+02	4.91E-04	8.05E-04	-4.51E-04
1.31E+02	5.38E-04	6.53E-04	-4.39E-04
1.31E+02	5.98E-04	5.47E-04	-3.49E-04
1.31E+02	6.82E-04	4.87E-04	-1.53E-04
1.31E+02	6.79E-04	4.11E-04	2.63E-05
1.31E+02	6.50E-04	3.22E-04	1.47E-04
1.31E+02	5.91E-04	2.58E-04	3.13E-04
1.31E+02	4.91E-04	1.75E-04	4.49E-04
1.31E+02	3.88E-04	9.54E-05	5.87E-04
1.31E+02	2.04E-04	2.12E-05	7.66E-04
1.31E+02	2.42E-05	-8.11E-05	8.73E-04
1.31E+02	-7.06E-05	-1.55E-04	9.25E-04
1.31E+02	-1.61E-04	-2.07E-04	9.63E-04
1.31E+02	-1.92E-04	-2.80E-04	9.49E-04
1.31E+02	-1.30E-04	-3.42E-04	9.84E-04
1.31E+02	1.14E-06	-4.00E-04	1.06E-03
1.31E+02	2.03E-04	-4.91E-04	1.08E-03
1.31E+02	3.82E-04	-5.92E-04	1.13E-03
1.31E+02	5.41E-04	-7.01E-04	1.16E-03
1.31E+02	7.40E-04	-8.15E-04	1.14E-03
1.31E+02	8.81E-04	-9.25E-04	1.11E-03
1.31E+02	9.60E-04	-1.05E-03	9.89E-04
1.31E+02	1.03E-03	-1.14E-03	9.28E-04
1.31E+02	1.08E-03	-1.17E-03	9.34E-04
1.31E+02	1.11E-03	-1.21E-03	8.92E-04
1.31E+02	1.07E-03	-1.25E-03	8.79E-04
1.31E+02	1.02E-03	-1.27E-03	8.16E-04
1.31E+02	1.04E-03	-1.27E-03	7.69E-04

1.31E+02	1.08E-03	-1.26E-03	7.83E-04
1.31E+02	1.14E-03	-1.27E-03	6.97E-04
1.31E+02	1.27E-03	-1.32E-03	6.73E-04
1.31E+02	1.45E-03	-1.36E-03	7.81E-04
1.31E+02	1.65E-03	-1.49E-03	8.42E-04
1.31E+02	1.84E-03	-1.66E-03	8.68E-04
1.31E+02	1.99E-03	-1.80E-03	8.63E-04
1.31E+02	2.14E-03	-1.91E-03	8.45E-04
1.31E+02	2.26E-03	-1.92E-03	8.62E-04
1.31E+02	2.31E-03	-1.89E-03	8.09E-04
1.31E+02	2.37E-03	-1.81E-03	7.77E-04
1.31E+02	2.41E-03	-1.64E-03	9.03E-04
1.31E+02	2.42E-03	-1.47E-03	1.01E-03
1.31E+02	2.40E-03	-1.33E-03	1.07E-03
1.31E+02	2.34E-03	-1.18E-03	1.19E-03
1.31E+02	2.32E-03	-1.00E-03	1.30E-03
1.31E+02	2.30E-03	-8.17E-04	1.37E-03
1.31E+02	2.20E-03	-6.90E-04	1.32E-03
1.31E+02	2.08E-03	-6.02E-04	1.21E-03
1.31E+02	1.96E-03	-5.08E-04	1.20E-03
1.31E+02	1.84E-03	-4.70E-04	1.17E-03
1.31E+02	1.70E-03	-4.89E-04	1.14E-03
1.31E+02	1.52E-03	-5.11E-04	1.18E-03
1.31E+02	1.38E-03	-5.42E-04	1.23E-03
1.31E+02	1.25E-03	-5.54E-04	1.27E-03
1.31E+02	1.08E-03	-5.64E-04	1.25E-03
1.31E+02	9.30E-04	-6.21E-04	1.12E-03
1.31E+02	8.39E-04	-6.32E-04	1.03E-03
1.31E+02	8.14E-04	-6.33E-04	9.52E-04
1.31E+02	7.97E-04	-7.17E-04	8.37E-04
1.31E+02	7.91E-04	-7.99E-04	7.67E-04
1.31E+02	8.34E-04	-9.03E-04	7.01E-04
1.31E+02	9.07E-04	-1.06E-03	6.49E-04
1.31E+02	9.33E-04	-1.25E-03	5.76E-04
1.31E+02	9.08E-04	-1.46E-03	4.47E-04
1.31E+02	8.69E-04	-1.63E-03	3.91E-04
1.31E+02	7.88E-04	-1.73E-03	3.78E-04
1.31E+02	6.58E-04	-1.80E-03	3.72E-04
1.31E+02	4.56E-04	-1.85E-03	4.73E-04
1.31E+02	2.45E-04	-1.90E-03	6.50E-04
1.31E+02	6.47E-05	-1.93E-03	8.61E-04
1.31E+02	-1.53E-04	-2.00E-03	1.08E-03
1.31E+02	-3.48E-04	-2.13E-03	1.24E-03
1.31E+02	-4.81E-04	-2.24E-03	1.44E-03
1.31E+02	-5.95E-04	-2.34E-03	1.62E-03
1.31E+02	-6.86E-04	-2.43E-03	1.66E-03
1.31E+02	-7.93E-04	-2.49E-03	1.65E-03

1.31E+02	-8.69E-04	-2.52E-03	1.59E-03
1.31E+02	-8.86E-04	-2.53E-03	1.48E-03
1.31E+02	-9.14E-04	-2.55E-03	1.35E-03
1.31E+02	-9.08E-04	-2.57E-03	1.18E-03
1.31E+02	-8.57E-04	-2.56E-03	1.07E-03
1.31E+02	-7.78E-04	-2.52E-03	1.03E-03
1.31E+02	-6.66E-04	-2.42E-03	1.00E-03
1.31E+02	-6.14E-04	-2.30E-03	9.85E-04
1.31E+02	-5.99E-04	-2.13E-03	9.38E-04
1.31E+02	-5.85E-04	-1.93E-03	8.74E-04
1.31E+02	-6.28E-04	-1.74E-03	8.32E-04
1.31E+02	-6.98E-04	-1.62E-03	7.80E-04
1.31E+02	-7.65E-04	-1.54E-03	8.22E-04
1.31E+02	-8.25E-04	-1.48E-03	9.98E-04
1.31E+02	-8.67E-04	-1.47E-03	1.23E-03
1.31E+02	-9.32E-04	-1.48E-03	1.54E-03
1.31E+02	-9.99E-04	-1.49E-03	1.85E-03
1.31E+02	-1.01E-03	-1.52E-03	2.03E-03
1.31E+02	-1.03E-03	-1.54E-03	2.14E-03
1.31E+02	-1.08E-03	-1.59E-03	2.11E-03
1.31E+02	-1.07E-03	-1.62E-03	2.04E-03
1.31E+02	-1.05E-03	-1.64E-03	2.00E-03
1.31E+02	-9.99E-04	-1.67E-03	1.90E-03
1.31E+02	-9.65E-04	-1.71E-03	1.83E-03
1.31E+02	-9.61E-04	-1.75E-03	1.79E-03
1.31E+02	-9.02E-04	-1.80E-03	1.72E-03
1.31E+02	-8.60E-04	-1.84E-03	1.64E-03
1.31E+02	-8.55E-04	-1.91E-03	1.45E-03
1.31E+02	-8.20E-04	-1.99E-03	1.22E-03
1.31E+02	-7.69E-04	-2.02E-03	1.09E-03
1.31E+02	-6.85E-04	-2.04E-03	9.97E-04
1.31E+02	-6.11E-04	-2.07E-03	9.85E-04
1.31E+02	-5.52E-04	-2.09E-03	1.09E-03
1.31E+02	-4.32E-04	-2.15E-03	1.22E-03
1.31E+02	-3.15E-04	-2.21E-03	1.33E-03
1.31E+02	-2.42E-04	-2.29E-03	1.33E-03
1.31E+02	-1.62E-04	-2.36E-03	1.23E-03
1.31E+02	-8.41E-05	-2.35E-03	1.20E-03
1.31E+02	-3.68E-05	-2.33E-03	1.11E-03
1.31E+02	-2.40E-05	-2.32E-03	1.01E-03
1.31E+02	-5.42E-05	-2.26E-03	9.74E-04
1.31E+02	-8.60E-05	-2.20E-03	9.58E-04
1.31E+02	-8.96E-05	-2.15E-03	9.97E-04
1.31E+02	-1.08E-04	-2.15E-03	1.05E-03
1.31E+02	-1.01E-04	-2.18E-03	1.11E-03
1.31E+02	-4.58E-05	-2.15E-03	1.25E-03
1.31E+02	3.57E-05	-2.09E-03	1.40E-03

1.31E+02	1.22E-04	-1.98E-03	1.51E-03
1.31E+02	1.60E-04	-1.85E-03	1.59E-03
1.31E+02	2.07E-04	-1.71E-03	1.62E-03
1.31E+02	2.58E-04	-1.56E-03	1.61E-03
1.31E+02	2.37E-04	-1.48E-03	1.57E-03
1.31E+02	2.01E-04	-1.44E-03	1.49E-03
1.31E+02	1.70E-04	-1.37E-03	1.47E-03
1.31E+02	1.29E-04	-1.33E-03	1.43E-03
1.31E+02	4.56E-05	-1.29E-03	1.33E-03
1.31E+02	-1.20E-04	-1.25E-03	1.25E-03
1.31E+02	-2.60E-04	-1.20E-03	1.18E-03
1.31E+02	-3.69E-04	-1.15E-03	1.13E-03
1.31E+02	-5.13E-04	-1.16E-03	1.11E-03
1.31E+02	-6.10E-04	-1.22E-03	1.05E-03
1.31E+02	-6.62E-04	-1.31E-03	1.05E-03
1.31E+02	-6.91E-04	-1.41E-03	1.09E-03
1.31E+02	-7.11E-04	-1.52E-03	1.12E-03
1.31E+02	-7.91E-04	-1.62E-03	1.20E-03
1.31E+02	-8.76E-04	-1.68E-03	1.28E-03
1.31E+02	-9.64E-04	-1.69E-03	1.32E-03
1.31E+02	-1.13E-03	-1.67E-03	1.29E-03
1.31E+02	-1.33E-03	-1.65E-03	1.21E-03
1.31E+02	-1.50E-03	-1.59E-03	1.22E-03
1.31E+02	-1.67E-03	-1.48E-03	1.31E-03
1.31E+02	-1.82E-03	-1.39E-03	1.39E-03
1.31E+02	-1.97E-03	-1.31E-03	1.50E-03
1.31E+02	-2.12E-03	-1.24E-03	1.65E-03
1.31E+02	-2.22E-03	-1.18E-03	1.79E-03
1.31E+02	-2.32E-03	-1.18E-03	1.81E-03
1.31E+02	-2.38E-03	-1.26E-03	1.65E-03
1.31E+02	-2.37E-03	-1.36E-03	1.44E-03
1.31E+02	-2.27E-03	-1.43E-03	1.28E-03
1.31E+02	-2.11E-03	-1.54E-03	1.11E-03
1.31E+02	-1.94E-03	-1.64E-03	1.02E-03
1.31E+02	-1.74E-03	-1.72E-03	1.05E-03
1.31E+02	-1.53E-03	-1.79E-03	1.14E-03
1.31E+02	-1.33E-03	-1.86E-03	1.22E-03
1.31E+02	-1.18E-03	-1.95E-03	1.18E-03
1.31E+02	-1.05E-03	-2.00E-03	1.07E-03
1.31E+02	-9.32E-04	-1.99E-03	9.93E-04
1.31E+02	-8.55E-04	-1.99E-03	8.60E-04
1.31E+02	-8.40E-04	-2.00E-03	7.71E-04
1.31E+02	-8.84E-04	-2.01E-03	7.41E-04
1.31E+02	-9.07E-04	-2.05E-03	7.02E-04
1.31E+02	-9.45E-04	-2.14E-03	6.61E-04
1.31E+02	-1.02E-03	-2.34E-03	5.47E-04
1.31E+02	-1.07E-03	-2.59E-03	4.50E-04

1.31E+02	-1.09E-03	-2.83E-03	4.59E-04
1.31E+02	-1.08E-03	-3.06E-03	4.86E-04
1.31E+02	-1.11E-03	-3.25E-03	5.16E-04
1.31E+02	-1.16E-03	-3.42E-03	5.30E-04
1.31E+02	-1.13E-03	-3.50E-03	5.05E-04
1.31E+02	-1.06E-03	-3.52E-03	5.03E-04
1.31E+02	-1.00E-03	-3.52E-03	4.85E-04
1.31E+02	-8.87E-04	-3.50E-03	4.33E-04
1.31E+02	-7.44E-04	-3.43E-03	4.19E-04
1.31E+02	-5.74E-04	-3.38E-03	3.40E-04
1.31E+02	-4.45E-04	-3.33E-03	2.03E-04
1.31E+02	-3.80E-04	-3.27E-03	1.04E-04
1.31E+02	-3.19E-04	-3.20E-03	-1.11E-05
1.31E+02	-3.13E-04	-3.10E-03	-8.39E-05
1.31E+02	-3.87E-04	-3.01E-03	-1.57E-04
1.31E+02	-4.89E-04	-2.94E-03	-2.81E-04
1.31E+02	-6.08E-04	-2.84E-03	-3.33E-04
1.31E+02	-7.33E-04	-2.73E-03	-3.87E-04
1.31E+02	-8.99E-04	-2.59E-03	-4.70E-04
1.31E+02	-1.13E-03	-2.42E-03	-5.19E-04
1.31E+02	-1.35E-03	-2.22E-03	-5.92E-04
1.31E+02	-1.57E-03	-1.98E-03	-6.35E-04
1.31E+02	-1.85E-03	-1.75E-03	-6.62E-04
1.31E+02	-2.16E-03	-1.53E-03	-7.13E-04
1.31E+02	-2.44E-03	-1.28E-03	-6.61E-04
1.31E+02	-2.68E-03	-1.04E-03	-6.02E-04
1.31E+02	-2.87E-03	-8.40E-04	-6.40E-04
1.31E+02	-3.02E-03	-6.34E-04	-6.60E-04
1.31E+02	-3.07E-03	-4.17E-04	-6.41E-04
1.31E+02	-3.00E-03	-2.06E-04	-5.76E-04
1.31E+02	-2.92E-03	-5.78E-05	-5.10E-04
1.32E+02	-2.80E-03	-4.58E-06	-4.79E-04
1.32E+02	-2.63E-03	-1.74E-05	-3.67E-04
1.32E+02	-2.43E-03	-1.15E-04	-2.43E-04
1.32E+02	-2.24E-03	-3.06E-04	-1.96E-04
1.32E+02	-2.10E-03	-5.28E-04	-1.65E-04
1.32E+02	-1.93E-03	-7.49E-04	-1.46E-04
1.32E+02	-1.71E-03	-9.55E-04	-1.02E-04
1.32E+02	-1.54E-03	-1.15E-03	-2.40E-05
1.32E+02	-1.37E-03	-1.36E-03	2.99E-05
1.32E+02	-1.19E-03	-1.54E-03	1.12E-04
1.32E+02	-1.00E-03	-1.69E-03	1.84E-04
1.32E+02	-8.02E-04	-1.88E-03	1.82E-04
1.32E+02	-6.27E-04	-2.05E-03	1.73E-04
1.32E+02	-4.40E-04	-2.18E-03	1.25E-04
1.32E+02	-2.08E-04	-2.23E-03	3.66E-05
1.32E+02	-1.34E-06	-2.25E-03	-4.56E-05

1.32E+02	1.97E-04	-2.28E-03	-1.23E-04
1.32E+02	4.18E-04	-2.33E-03	-5.59E-05
1.32E+02	6.40E-04	-2.37E-03	1.50E-04
1.32E+02	8.33E-04	-2.45E-03	3.35E-04
1.32E+02	9.48E-04	-2.56E-03	4.69E-04
1.32E+02	1.03E-03	-2.67E-03	5.07E-04
1.32E+02	1.14E-03	-2.74E-03	4.45E-04
1.32E+02	1.21E-03	-2.77E-03	2.96E-04
1.32E+02	1.26E-03	-2.77E-03	7.63E-07
1.32E+02	1.34E-03	-2.73E-03	-2.90E-04
1.32E+02	1.46E-03	-2.62E-03	-4.61E-04
1.32E+02	1.60E-03	-2.54E-03	-6.04E-04
1.32E+02	1.68E-03	-2.50E-03	-6.70E-04
1.32E+02	1.72E-03	-2.46E-03	-6.61E-04
1.32E+02	1.75E-03	-2.41E-03	-6.44E-04
1.32E+02	1.70E-03	-2.35E-03	-6.51E-04
1.32E+02	1.58E-03	-2.30E-03	-7.46E-04
1.32E+02	1.43E-03	-2.21E-03	-7.86E-04
1.32E+02	1.27E-03	-2.04E-03	-6.86E-04
1.32E+02	1.10E-03	-1.87E-03	-6.15E-04
1.32E+02	8.87E-04	-1.70E-03	-6.04E-04
1.32E+02	6.79E-04	-1.54E-03	-6.22E-04
1.32E+02	5.62E-04	-1.42E-03	-6.72E-04
1.32E+02	4.84E-04	-1.35E-03	-7.27E-04
1.32E+02	4.01E-04	-1.37E-03	-8.37E-04
1.32E+02	3.34E-04	-1.41E-03	-9.48E-04
1.32E+02	3.11E-04	-1.42E-03	-9.49E-04
1.32E+02	3.15E-04	-1.43E-03	-9.28E-04
1.32E+02	2.85E-04	-1.44E-03	-8.62E-04
1.32E+02	2.19E-04	-1.43E-03	-7.40E-04
1.32E+02	1.57E-04	-1.40E-03	-6.87E-04
1.32E+02	7.86E-05	-1.37E-03	-6.99E-04
1.32E+02	-3.60E-05	-1.34E-03	-7.96E-04
1.32E+02	-1.39E-04	-1.32E-03	-9.38E-04
1.32E+02	-2.11E-04	-1.29E-03	-1.03E-03
1.32E+02	-2.56E-04	-1.30E-03	-1.12E-03
1.32E+02	-3.11E-04	-1.34E-03	-1.19E-03
1.32E+02	-4.01E-04	-1.41E-03	-1.18E-03
1.32E+02	-4.34E-04	-1.48E-03	-1.13E-03
1.32E+02	-4.32E-04	-1.56E-03	-1.12E-03
1.32E+02	-4.79E-04	-1.67E-03	-1.25E-03
1.32E+02	-5.40E-04	-1.77E-03	-1.48E-03
1.32E+02	-5.78E-04	-1.82E-03	-1.68E-03
1.32E+02	-5.85E-04	-1.82E-03	-1.81E-03
1.32E+02	-6.03E-04	-1.82E-03	-1.86E-03
1.32E+02	-6.82E-04	-1.81E-03	-1.82E-03
1.32E+02	-7.68E-04	-1.82E-03	-1.76E-03

1.32E+02	-8.45E-04	-1.82E-03	-1.65E-03
1.32E+02	-9.82E-04	-1.84E-03	-1.59E-03
1.32E+02	-1.14E-03	-1.89E-03	-1.61E-03
1.32E+02	-1.26E-03	-1.89E-03	-1.60E-03
1.32E+02	-1.39E-03	-1.81E-03	-1.55E-03
1.32E+02	-1.55E-03	-1.70E-03	-1.50E-03
1.32E+02	-1.78E-03	-1.51E-03	-1.41E-03
1.32E+02	-2.00E-03	-1.27E-03	-1.33E-03
1.32E+02	-2.19E-03	-1.00E-03	-1.23E-03
1.32E+02	-2.43E-03	-7.89E-04	-1.17E-03
1.32E+02	-2.68E-03	-6.56E-04	-1.21E-03
1.32E+02	-2.87E-03	-5.22E-04	-1.24E-03
1.32E+02	-3.00E-03	-3.84E-04	-1.25E-03
1.32E+02	-3.08E-03	-2.92E-04	-1.29E-03
1.32E+02	-3.16E-03	-2.27E-04	-1.30E-03
1.32E+02	-3.17E-03	-1.92E-04	-1.35E-03
1.32E+02	-3.12E-03	-1.56E-04	-1.47E-03
1.32E+02	-3.05E-03	-1.06E-04	-1.61E-03
1.32E+02	-2.92E-03	-8.41E-05	-1.84E-03
1.32E+02	-2.72E-03	-4.14E-05	-2.05E-03
1.32E+02	-2.48E-03	3.93E-05	-2.17E-03
1.32E+02	-2.20E-03	1.18E-04	-2.26E-03
1.32E+02	-1.96E-03	2.13E-04	-2.25E-03
1.32E+02	-1.74E-03	3.09E-04	-2.12E-03
1.32E+02	-1.54E-03	3.80E-04	-1.94E-03
1.32E+02	-1.39E-03	4.28E-04	-1.72E-03
1.32E+02	-1.29E-03	4.15E-04	-1.58E-03
1.32E+02	-1.21E-03	3.64E-04	-1.48E-03
1.32E+02	-1.08E-03	3.29E-04	-1.37E-03
1.32E+02	-9.12E-04	2.82E-04	-1.32E-03
1.32E+02	-7.64E-04	2.53E-04	-1.26E-03
1.32E+02	-6.21E-04	2.81E-04	-1.13E-03
1.32E+02	-4.38E-04	3.70E-04	-1.01E-03
1.32E+02	-2.89E-04	4.86E-04	-9.69E-04
1.32E+02	-2.07E-04	5.63E-04	-1.10E-03
1.32E+02	-1.33E-04	6.28E-04	-1.25E-03
1.32E+02	-6.89E-05	6.86E-04	-1.33E-03
1.32E+02	-4.31E-05	7.06E-04	-1.44E-03
1.32E+02	-6.92E-05	7.11E-04	-1.52E-03
1.32E+02	-1.18E-04	7.06E-04	-1.53E-03
1.32E+02	-1.12E-04	6.97E-04	-1.49E-03
1.32E+02	-8.14E-05	6.85E-04	-1.38E-03
1.32E+02	-7.88E-05	5.89E-04	-1.32E-03
1.32E+02	-5.57E-05	4.27E-04	-1.35E-03
1.32E+02	-2.86E-06	2.52E-04	-1.39E-03
1.32E+02	9.21E-05	1.68E-05	-1.48E-03
1.32E+02	1.83E-04	-2.48E-04	-1.57E-03

1.32E+02	2.39E-04	-5.00E-04	-1.59E-03
1.32E+02	3.48E-04	-7.19E-04	-1.60E-03
1.32E+02	4.30E-04	-9.05E-04	-1.56E-03
1.32E+02	4.45E-04	-1.10E-03	-1.60E-03
1.32E+02	4.72E-04	-1.27E-03	-1.66E-03
1.32E+02	5.02E-04	-1.38E-03	-1.64E-03
1.32E+02	5.50E-04	-1.42E-03	-1.61E-03
1.32E+02	5.66E-04	-1.40E-03	-1.55E-03
1.32E+02	5.19E-04	-1.34E-03	-1.42E-03
1.32E+02	4.93E-04	-1.21E-03	-1.24E-03
1.32E+02	4.53E-04	-1.03E-03	-9.85E-04
1.32E+02	3.48E-04	-8.60E-04	-7.51E-04
1.32E+02	2.50E-04	-7.25E-04	-6.01E-04
1.32E+02	1.86E-04	-5.80E-04	-4.34E-04
1.32E+02	1.66E-04	-4.48E-04	-3.07E-04
1.32E+02	1.77E-04	-3.62E-04	-2.35E-04
1.32E+02	1.41E-04	-2.87E-04	-1.46E-04
1.32E+02	1.05E-04	-2.24E-04	-9.23E-05
1.32E+02	6.96E-05	-1.55E-04	-5.53E-05
1.32E+02	-6.43E-05	-9.59E-05	-1.06E-04
1.32E+02	-2.11E-04	-5.11E-05	-3.12E-04
1.32E+02	-3.26E-04	5.68E-05	-4.84E-04
1.32E+02	-4.32E-04	1.90E-04	-6.02E-04
1.32E+02	-5.19E-04	3.02E-04	-7.02E-04
1.32E+02	-6.42E-04	3.80E-04	-7.54E-04
1.32E+02	-7.28E-04	4.22E-04	-7.94E-04
1.32E+02	-7.66E-04	4.72E-04	-7.47E-04
1.32E+02	-8.79E-04	4.80E-04	-6.75E-04
1.32E+02	-1.02E-03	4.61E-04	-6.59E-04
1.32E+02	-1.16E-03	5.12E-04	-5.77E-04
1.32E+02	-1.25E-03	6.07E-04	-4.84E-04
1.32E+02	-1.29E-03	7.30E-04	-4.07E-04
1.32E+02	-1.35E-03	8.84E-04	-2.35E-04
1.32E+02	-1.34E-03	1.04E-03	-1.45E-05
1.32E+02	-1.24E-03	1.20E-03	2.40E-04
1.32E+02	-1.15E-03	1.30E-03	4.41E-04
1.32E+02	-1.05E-03	1.30E-03	4.73E-04
1.32E+02	-9.06E-04	1.27E-03	4.96E-04
1.32E+02	-7.46E-04	1.23E-03	5.35E-04
1.32E+02	-5.67E-04	1.17E-03	4.97E-04
1.32E+02	-4.42E-04	1.10E-03	4.71E-04
1.32E+02	-3.09E-04	1.03E-03	4.72E-04
1.32E+02	-1.44E-04	9.68E-04	5.03E-04
1.32E+02	-5.57E-05	8.87E-04	5.78E-04
1.32E+02	-1.75E-05	7.81E-04	6.01E-04
1.32E+02	-1.49E-05	6.71E-04	6.22E-04
1.32E+02	-5.25E-05	5.81E-04	6.43E-04

1.32E+02	-1.04E-04	4.76E-04	5.62E-04
1.32E+02	-2.21E-04	3.81E-04	4.70E-04
1.32E+02	-3.68E-04	3.23E-04	3.94E-04
1.32E+02	-4.77E-04	2.96E-04	3.76E-04
1.32E+02	-5.98E-04	3.07E-04	4.81E-04
1.32E+02	-7.38E-04	2.99E-04	5.78E-04
1.32E+02	-8.47E-04	2.83E-04	6.83E-04
1.32E+02	-9.19E-04	2.97E-04	8.49E-04
1.32E+02	-9.56E-04	3.08E-04	9.88E-04
1.32E+02	-9.85E-04	3.27E-04	1.12E-03
1.32E+02	-9.87E-04	3.66E-04	1.23E-03
1.32E+02	-8.79E-04	4.32E-04	1.28E-03
1.32E+02	-7.06E-04	5.25E-04	1.39E-03
1.32E+02	-5.33E-04	5.61E-04	1.47E-03
1.32E+02	-3.34E-04	5.41E-04	1.50E-03
1.32E+02	-1.31E-04	5.19E-04	1.58E-03
1.32E+02	6.87E-05	4.73E-04	1.57E-03
1.32E+02	2.45E-04	4.41E-04	1.48E-03
1.32E+02	3.60E-04	4.55E-04	1.38E-03
1.32E+02	5.15E-04	5.41E-04	1.25E-03
1.32E+02	6.96E-04	7.25E-04	1.19E-03
1.32E+02	8.18E-04	9.01E-04	1.15E-03
1.32E+02	9.60E-04	1.06E-03	1.15E-03
1.32E+02	1.11E-03	1.22E-03	1.28E-03
1.32E+02	1.25E-03	1.33E-03	1.39E-03
1.32E+02	1.38E-03	1.41E-03	1.50E-03
1.32E+02	1.44E-03	1.45E-03	1.62E-03
1.32E+02	1.49E-03	1.46E-03	1.66E-03
1.32E+02	1.52E-03	1.43E-03	1.62E-03
1.32E+02	1.49E-03	1.36E-03	1.53E-03
1.32E+02	1.44E-03	1.27E-03	1.44E-03
1.32E+02	1.39E-03	1.20E-03	1.45E-03
1.32E+02	1.36E-03	1.12E-03	1.48E-03
1.32E+02	1.33E-03	9.85E-04	1.53E-03
1.32E+02	1.28E-03	8.65E-04	1.67E-03
1.32E+02	1.29E-03	7.32E-04	1.83E-03
1.32E+02	1.34E-03	5.76E-04	2.00E-03
1.32E+02	1.34E-03	3.84E-04	2.09E-03
1.32E+02	1.34E-03	1.34E-04	2.05E-03
1.32E+02	1.35E-03	-9.31E-05	2.01E-03
1.32E+02	1.34E-03	-3.11E-04	1.96E-03
1.32E+02	1.33E-03	-5.16E-04	1.93E-03
1.32E+02	1.27E-03	-6.75E-04	1.98E-03
1.33E+02	1.20E-03	-8.25E-04	2.02E-03
1.33E+02	1.19E-03	-9.32E-04	2.07E-03
1.33E+02	1.16E-03	-1.02E-03	2.07E-03
1.33E+02	1.12E-03	-1.12E-03	2.00E-03

1.33E+02	1.11E-03	-1.18E-03	1.96E-03
1.33E+02	1.11E-03	-1.24E-03	1.92E-03
1.33E+02	1.10E-03	-1.33E-03	1.77E-03
1.33E+02	1.04E-03	-1.41E-03	1.58E-03
1.33E+02	9.86E-04	-1.46E-03	1.35E-03
1.33E+02	9.75E-04	-1.47E-03	1.15E-03
1.33E+02	9.37E-04	-1.48E-03	1.00E-03
1.33E+02	8.59E-04	-1.51E-03	8.23E-04
1.33E+02	7.69E-04	-1.54E-03	6.90E-04
1.33E+02	6.61E-04	-1.53E-03	6.24E-04
1.33E+02	5.18E-04	-1.51E-03	5.62E-04
1.33E+02	2.98E-04	-1.47E-03	5.70E-04
1.33E+02	5.40E-05	-1.41E-03	6.18E-04
1.33E+02	-1.51E-04	-1.32E-03	7.18E-04
1.33E+02	-3.83E-04	-1.23E-03	9.21E-04
1.33E+02	-6.44E-04	-1.16E-03	1.14E-03
1.33E+02	-8.82E-04	-1.08E-03	1.38E-03
1.33E+02	-1.08E-03	-9.69E-04	1.62E-03
1.33E+02	-1.23E-03	-8.83E-04	1.73E-03
1.33E+02	-1.38E-03	-8.05E-04	1.72E-03
1.33E+02	-1.50E-03	-7.23E-04	1.63E-03
1.33E+02	-1.55E-03	-6.20E-04	1.50E-03
1.33E+02	-1.58E-03	-5.02E-04	1.40E-03
1.33E+02	-1.62E-03	-4.35E-04	1.29E-03
1.33E+02	-1.61E-03	-4.14E-04	1.21E-03
1.33E+02	-1.58E-03	-4.11E-04	1.21E-03
1.33E+02	-1.53E-03	-4.47E-04	1.15E-03
1.33E+02	-1.49E-03	-5.19E-04	1.02E-03
1.33E+02	-1.45E-03	-5.71E-04	8.89E-04
1.33E+02	-1.38E-03	-5.77E-04	7.13E-04
1.33E+02	-1.33E-03	-5.51E-04	4.79E-04
1.33E+02	-1.35E-03	-5.08E-04	2.23E-04
1.33E+02	-1.39E-03	-4.47E-04	-1.32E-05
1.33E+02	-1.45E-03	-3.59E-04	-1.13E-04
1.33E+02	-1.55E-03	-2.86E-04	-1.23E-04
1.33E+02	-1.68E-03	-2.42E-04	-7.72E-05
1.33E+02	-1.84E-03	-1.89E-04	1.06E-04
1.33E+02	-1.95E-03	-1.04E-04	3.73E-04
1.33E+02	-2.06E-03	-1.91E-07	6.40E-04
1.33E+02	-2.22E-03	6.41E-05	7.88E-04
1.33E+02	-2.37E-03	1.00E-04	8.19E-04
1.33E+02	-2.50E-03	1.45E-04	8.52E-04
1.33E+02	-2.62E-03	1.70E-04	8.31E-04
1.33E+02	-2.72E-03	1.77E-04	7.88E-04
1.33E+02	-2.80E-03	1.84E-04	7.76E-04
1.33E+02	-2.78E-03	1.91E-04	7.17E-04
1.33E+02	-2.68E-03	1.67E-04	6.23E-04

1.33E+02	-2.59E-03	9.54E-05	5.04E-04
1.33E+02	-2.45E-03	9.54E-06	3.94E-04
1.33E+02	-2.29E-03	-8.68E-05	3.65E-04
1.33E+02	-2.13E-03	-2.08E-04	3.15E-04
1.33E+02	-1.98E-03	-3.50E-04	1.38E-04
1.33E+02	-1.90E-03	-4.78E-04	-9.52E-05
1.33E+02	-1.82E-03	-5.64E-04	-3.24E-04
1.33E+02	-1.73E-03	-5.95E-04	-5.04E-04
1.33E+02	-1.71E-03	-6.21E-04	-6.68E-04
1.33E+02	-1.72E-03	-6.77E-04	-8.40E-04
1.33E+02	-1.74E-03	-6.98E-04	-8.91E-04
1.33E+02	-1.78E-03	-7.05E-04	-8.47E-04
1.33E+02	-1.82E-03	-7.20E-04	-7.68E-04
1.33E+02	-1.92E-03	-7.15E-04	-5.85E-04
1.33E+02	-1.99E-03	-7.06E-04	-3.90E-04
1.33E+02	-1.99E-03	-6.89E-04	-2.36E-04
1.33E+02	-2.01E-03	-6.80E-04	-1.17E-04
1.33E+02	-2.00E-03	-6.91E-04	-8.45E-05
1.33E+02	-1.90E-03	-6.74E-04	-5.15E-06
1.33E+02	-1.75E-03	-6.46E-04	1.10E-04
1.33E+02	-1.56E-03	-6.50E-04	1.24E-04
1.33E+02	-1.40E-03	-6.67E-04	9.50E-05
1.33E+02	-1.25E-03	-6.83E-04	8.96E-06
1.33E+02	-1.07E-03	-6.87E-04	-1.12E-04
1.33E+02	-9.78E-04	-7.17E-04	-2.51E-04
1.33E+02	-9.61E-04	-8.20E-04	-4.75E-04
1.33E+02	-9.46E-04	-9.34E-04	-6.53E-04
1.33E+02	-9.78E-04	-1.04E-03	-7.75E-04
1.33E+02	-1.05E-03	-1.15E-03	-9.34E-04
1.33E+02	-1.16E-03	-1.24E-03	-1.04E-03
1.33E+02	-1.29E-03	-1.28E-03	-1.08E-03
1.33E+02	-1.34E-03	-1.27E-03	-1.10E-03
1.33E+02	-1.38E-03	-1.25E-03	-1.09E-03
1.33E+02	-1.40E-03	-1.24E-03	-1.12E-03
1.33E+02	-1.38E-03	-1.21E-03	-1.15E-03
1.33E+02	-1.32E-03	-1.16E-03	-1.13E-03
1.33E+02	-1.22E-03	-1.13E-03	-1.15E-03
1.33E+02	-1.14E-03	-1.12E-03	-1.14E-03
1.33E+02	-1.05E-03	-1.09E-03	-1.10E-03
1.33E+02	-9.07E-04	-1.04E-03	-1.08E-03
1.33E+02	-7.87E-04	-9.57E-04	-1.05E-03
1.33E+02	-6.96E-04	-9.12E-04	-1.10E-03
1.33E+02	-5.55E-04	-8.94E-04	-1.12E-03
1.33E+02	-3.90E-04	-8.94E-04	-1.04E-03
1.33E+02	-2.11E-04	-9.45E-04	-9.43E-04
1.33E+02	-4.69E-05	-1.03E-03	-7.83E-04
1.33E+02	8.95E-05	-1.13E-03	-5.69E-04

1.33E+02	2.61E-04	-1.25E-03	-3.73E-04
1.33E+02	4.16E-04	-1.40E-03	-2.04E-04
1.33E+02	5.16E-04	-1.57E-03	-1.30E-04
1.33E+02	6.10E-04	-1.73E-03	-1.23E-04
1.33E+02	7.06E-04	-1.85E-03	-1.23E-04
1.33E+02	8.11E-04	-1.94E-03	-2.17E-04
1.33E+02	8.99E-04	-1.98E-03	-3.90E-04
1.33E+02	9.73E-04	-1.96E-03	-5.60E-04
1.33E+02	1.10E-03	-1.86E-03	-7.15E-04
1.33E+02	1.24E-03	-1.69E-03	-8.42E-04
1.33E+02	1.33E-03	-1.54E-03	-9.88E-04
1.33E+02	1.44E-03	-1.38E-03	-1.12E-03
1.33E+02	1.53E-03	-1.22E-03	-1.20E-03
1.33E+02	1.59E-03	-1.08E-03	-1.30E-03
1.33E+02	1.61E-03	-9.34E-04	-1.43E-03
1.33E+02	1.55E-03	-7.82E-04	-1.50E-03
1.33E+02	1.51E-03	-6.33E-04	-1.54E-03
1.33E+02	1.46E-03	-4.69E-04	-1.57E-03
1.33E+02	1.35E-03	-3.40E-04	-1.64E-03
1.33E+02	1.24E-03	-2.47E-04	-1.76E-03
1.33E+02	1.13E-03	-1.32E-04	-1.78E-03
1.33E+02	1.04E-03	-3.76E-05	-1.72E-03
1.33E+02	9.54E-04	2.37E-05	-1.64E-03
1.33E+02	8.52E-04	9.98E-05	-1.51E-03
1.33E+02	8.23E-04	1.99E-04	-1.34E-03
1.33E+02	8.55E-04	3.35E-04	-1.13E-03
1.33E+02	8.78E-04	4.67E-04	-9.73E-04
1.33E+02	9.22E-04	5.74E-04	-9.38E-04
1.33E+02	9.95E-04	7.11E-04	-8.81E-04
1.33E+02	1.08E-03	8.48E-04	-8.65E-04
1.33E+02	1.13E-03	9.51E-04	-9.53E-04
1.33E+02	1.11E-03	1.06E-03	-1.03E-03
1.33E+02	1.09E-03	1.18E-03	-1.12E-03
1.33E+02	1.05E-03	1.28E-03	-1.17E-03
1.33E+02	9.49E-04	1.36E-03	-1.20E-03
1.33E+02	7.97E-04	1.41E-03	-1.28E-03
1.33E+02	6.28E-04	1.48E-03	-1.29E-03
1.33E+02	4.67E-04	1.59E-03	-1.25E-03
1.33E+02	3.29E-04	1.70E-03	-1.30E-03
1.33E+02	1.91E-04	1.82E-03	-1.35E-03
1.33E+02	1.17E-04	1.95E-03	-1.40E-03
1.33E+02	1.26E-04	2.10E-03	-1.47E-03
1.33E+02	1.46E-04	2.23E-03	-1.53E-03
1.33E+02	1.99E-04	2.29E-03	-1.66E-03
1.33E+02	3.11E-04	2.31E-03	-1.76E-03
1.33E+02	4.46E-04	2.33E-03	-1.77E-03
1.33E+02	5.68E-04	2.31E-03	-1.83E-03

1.33E+02	6.44E-04	2.28E-03	-1.93E-03
1.33E+02	6.79E-04	2.24E-03	-2.07E-03
1.33E+02	7.12E-04	2.21E-03	-2.23E-03
1.33E+02	7.02E-04	2.19E-03	-2.30E-03
1.33E+02	6.41E-04	2.12E-03	-2.36E-03
1.33E+02	6.15E-04	2.08E-03	-2.33E-03
1.33E+02	5.95E-04	2.06E-03	-2.18E-03
1.33E+02	5.74E-04	2.01E-03	-2.08E-03
1.33E+02	5.54E-04	1.94E-03	-2.00E-03
1.33E+02	5.07E-04	1.85E-03	-1.99E-03
1.33E+02	5.08E-04	1.79E-03	-2.07E-03
1.33E+02	5.12E-04	1.75E-03	-2.17E-03
1.33E+02	4.93E-04	1.71E-03	-2.35E-03
1.33E+02	5.24E-04	1.71E-03	-2.44E-03
1.33E+02	5.78E-04	1.76E-03	-2.40E-03
1.33E+02	6.37E-04	1.79E-03	-2.33E-03
1.33E+02	6.55E-04	1.82E-03	-2.24E-03
1.33E+02	6.51E-04	1.84E-03	-2.16E-03
1.33E+02	7.11E-04	1.88E-03	-2.10E-03
1.33E+02	7.74E-04	1.94E-03	-2.04E-03
1.33E+02	8.34E-04	2.00E-03	-2.05E-03
1.33E+02	9.35E-04	2.06E-03	-2.10E-03
1.33E+02	1.06E-03	2.12E-03	-2.07E-03
1.33E+02	1.23E-03	2.16E-03	-2.04E-03
1.33E+02	1.36E-03	2.15E-03	-1.99E-03
1.33E+02	1.44E-03	2.10E-03	-1.89E-03
1.33E+02	1.54E-03	2.06E-03	-1.80E-03
1.33E+02	1.57E-03	2.03E-03	-1.75E-03
1.33E+02	1.54E-03	1.96E-03	-1.79E-03
1.33E+02	1.50E-03	1.89E-03	-1.86E-03
1.33E+02	1.46E-03	1.89E-03	-1.85E-03
1.33E+02	1.44E-03	1.91E-03	-1.83E-03
1.33E+02	1.41E-03	1.92E-03	-1.78E-03
1.33E+02	1.36E-03	1.95E-03	-1.63E-03
1.33E+02	1.40E-03	1.97E-03	-1.42E-03
1.33E+02	1.49E-03	1.98E-03	-1.15E-03
1.33E+02	1.55E-03	1.95E-03	-9.19E-04
1.33E+02	1.62E-03	1.88E-03	-7.68E-04
1.33E+02	1.72E-03	1.86E-03	-6.41E-04
1.33E+02	1.84E-03	1.85E-03	-6.25E-04
1.33E+02	1.97E-03	1.86E-03	-6.84E-04
1.33E+02	2.04E-03	1.90E-03	-7.00E-04
1.33E+02	2.14E-03	1.97E-03	-6.41E-04
1.33E+02	2.24E-03	2.03E-03	-4.59E-04
1.33E+02	2.27E-03	2.04E-03	-2.63E-04
1.33E+02	2.31E-03	1.99E-03	-1.36E-04
1.33E+02	2.35E-03	1.93E-03	9.35E-06

1.33E+02	2.40E-03	1.86E-03	8.18E-05
1.33E+02	2.43E-03	1.80E-03	2.67E-05
1.33E+02	2.43E-03	1.78E-03	-4.10E-05
1.33E+02	2.48E-03	1.84E-03	-1.02E-04
1.33E+02	2.58E-03	1.97E-03	-1.00E-04
1.33E+02	2.64E-03	2.11E-03	-4.16E-05
1.33E+02	2.68E-03	2.25E-03	-1.62E-05
1.33E+02	2.70E-03	2.39E-03	3.11E-05
1.34E+02	2.70E-03	2.54E-03	2.56E-05
1.34E+02	2.65E-03	2.65E-03	-6.41E-05
1.34E+02	2.54E-03	2.77E-03	-1.22E-04
1.34E+02	2.40E-03	2.91E-03	-1.71E-04
1.34E+02	2.29E-03	3.10E-03	-1.53E-04
1.34E+02	2.16E-03	3.26E-03	-1.52E-04
1.34E+02	2.06E-03	3.37E-03	-2.15E-04
1.34E+02	2.01E-03	3.43E-03	-1.65E-04
1.34E+02	2.00E-03	3.43E-03	-1.34E-04
1.34E+02	2.04E-03	3.37E-03	-1.60E-04
1.34E+02	2.05E-03	3.28E-03	-1.71E-04
1.34E+02	2.07E-03	3.17E-03	-2.28E-04
1.34E+02	2.16E-03	3.11E-03	-2.34E-04
1.34E+02	2.21E-03	3.08E-03	-1.87E-04
1.34E+02	2.22E-03	3.03E-03	-1.26E-04
1.34E+02	2.21E-03	3.02E-03	1.70E-05
1.34E+02	2.14E-03	3.03E-03	1.44E-04
1.34E+02	2.05E-03	3.03E-03	1.87E-04
1.34E+02	1.88E-03	3.05E-03	2.58E-04
1.34E+02	1.65E-03	3.09E-03	3.30E-04
1.34E+02	1.44E-03	3.18E-03	3.53E-04
1.34E+02	1.20E-03	3.30E-03	3.88E-04
1.34E+02	9.49E-04	3.39E-03	4.07E-04
1.34E+02	7.47E-04	3.50E-03	5.07E-04
1.34E+02	5.89E-04	3.59E-03	7.07E-04
1.34E+02	4.96E-04	3.63E-03	8.19E-04
1.34E+02	4.08E-04	3.63E-03	8.73E-04
1.34E+02	3.47E-04	3.59E-03	8.64E-04
1.34E+02	3.93E-04	3.52E-03	7.48E-04
1.34E+02	4.69E-04	3.45E-03	6.08E-04
1.34E+02	5.70E-04	3.37E-03	3.96E-04
1.34E+02	7.14E-04	3.29E-03	2.06E-04
1.34E+02	8.74E-04	3.21E-03	1.26E-04
1.34E+02	1.06E-03	3.10E-03	3.51E-05
1.34E+02	1.21E-03	2.98E-03	5.15E-06
1.34E+02	1.32E-03	2.86E-03	4.75E-05
1.34E+02	1.47E-03	2.74E-03	9.44E-05
1.34E+02	1.59E-03	2.65E-03	1.84E-04
1.34E+02	1.68E-03	2.54E-03	2.09E-04

1.34E+02	1.82E-03	2.44E-03	2.47E-04
1.34E+02	1.97E-03	2.39E-03	4.22E-04
1.34E+02	2.12E-03	2.32E-03	5.55E-04
1.34E+02	2.23E-03	2.24E-03	6.51E-04
1.34E+02	2.28E-03	2.18E-03	7.66E-04
1.34E+02	2.35E-03	2.15E-03	8.26E-04
1.34E+02	2.39E-03	2.16E-03	8.40E-04
1.34E+02	2.36E-03	2.18E-03	7.64E-04
1.34E+02	2.31E-03	2.23E-03	6.35E-04
1.34E+02	2.25E-03	2.33E-03	5.62E-04
1.34E+02	2.21E-03	2.44E-03	4.80E-04
1.34E+02	2.18E-03	2.53E-03	4.30E-04
1.34E+02	2.10E-03	2.59E-03	4.71E-04
1.34E+02	2.07E-03	2.60E-03	4.80E-04
1.34E+02	2.08E-03	2.59E-03	4.83E-04
1.34E+02	2.07E-03	2.54E-03	4.73E-04
1.34E+02	2.09E-03	2.44E-03	4.16E-04
1.34E+02	2.12E-03	2.38E-03	4.73E-04
1.34E+02	2.15E-03	2.31E-03	5.95E-04
1.34E+02	2.17E-03	2.24E-03	6.99E-04
1.34E+02	2.10E-03	2.18E-03	8.28E-04
1.34E+02	2.05E-03	2.12E-03	8.63E-04
1.34E+02	2.02E-03	2.07E-03	8.13E-04
1.34E+02	1.93E-03	2.02E-03	6.66E-04
1.34E+02	1.84E-03	1.98E-03	4.21E-04
1.34E+02	1.79E-03	2.00E-03	3.08E-04
1.34E+02	1.75E-03	2.05E-03	2.76E-04
1.34E+02	1.70E-03	2.09E-03	2.43E-04
1.34E+02	1.61E-03	2.14E-03	2.87E-04
1.34E+02	1.49E-03	2.17E-03	3.48E-04
1.34E+02	1.45E-03	2.20E-03	4.26E-04
1.34E+02	1.39E-03	2.20E-03	4.82E-04
1.34E+02	1.37E-03	2.13E-03	4.67E-04
1.34E+02	1.42E-03	2.08E-03	5.22E-04
1.34E+02	1.52E-03	2.02E-03	6.20E-04
1.34E+02	1.68E-03	1.95E-03	6.39E-04
1.34E+02	1.80E-03	1.91E-03	7.04E-04
1.34E+02	1.92E-03	1.85E-03	7.78E-04
1.34E+02	2.12E-03	1.83E-03	7.72E-04
1.34E+02	2.23E-03	1.82E-03	8.14E-04
1.34E+02	2.29E-03	1.81E-03	7.61E-04
1.34E+02	2.36E-03	1.83E-03	6.44E-04
1.34E+02	2.39E-03	1.88E-03	6.09E-04
1.34E+02	2.38E-03	1.90E-03	5.05E-04
1.34E+02	2.31E-03	1.88E-03	4.50E-04
1.34E+02	2.22E-03	1.91E-03	4.63E-04
1.34E+02	2.17E-03	1.97E-03	4.51E-04

1.34E+02	2.13E-03	2.04E-03	4.76E-04
1.34E+02	2.09E-03	2.11E-03	4.26E-04
1.34E+02	2.10E-03	2.15E-03	3.91E-04
1.34E+02	2.17E-03	2.21E-03	4.92E-04
1.34E+02	2.24E-03	2.24E-03	6.00E-04
1.34E+02	2.27E-03	2.22E-03	6.73E-04
1.34E+02	2.26E-03	2.13E-03	6.94E-04
1.34E+02	2.26E-03	2.01E-03	7.52E-04
1.34E+02	2.24E-03	1.88E-03	9.09E-04
1.34E+02	2.13E-03	1.68E-03	9.86E-04
1.34E+02	1.98E-03	1.48E-03	9.60E-04
1.34E+02	1.81E-03	1.36E-03	9.19E-04
1.34E+02	1.61E-03	1.25E-03	8.34E-04
1.34E+02	1.38E-03	1.14E-03	7.58E-04
1.34E+02	1.10E-03	1.04E-03	7.23E-04
1.34E+02	8.37E-04	9.63E-04	7.00E-04
1.34E+02	6.03E-04	8.96E-04	6.89E-04
1.34E+02	3.54E-04	8.08E-04	6.32E-04
1.34E+02	1.78E-04	7.07E-04	5.84E-04
1.34E+02	8.60E-05	6.75E-04	6.59E-04
1.34E+02	6.41E-05	7.02E-04	7.87E-04
1.34E+02	7.48E-05	7.64E-04	9.49E-04
1.34E+02	5.65E-05	8.59E-04	1.16E-03
1.34E+02	8.72E-05	9.87E-04	1.37E-03
1.34E+02	1.45E-04	1.15E-03	1.62E-03
1.34E+02	1.58E-04	1.29E-03	1.86E-03
1.34E+02	1.64E-04	1.41E-03	2.00E-03
1.34E+02	1.74E-04	1.57E-03	2.10E-03
1.34E+02	2.15E-04	1.71E-03	2.10E-03
1.34E+02	2.87E-04	1.86E-03	2.02E-03
1.34E+02	3.55E-04	2.03E-03	2.01E-03
1.34E+02	4.77E-04	2.19E-03	2.03E-03
1.34E+02	6.25E-04	2.33E-03	2.04E-03
1.34E+02	7.10E-04	2.43E-03	1.97E-03
1.34E+02	7.80E-04	2.48E-03	1.78E-03
1.34E+02	8.48E-04	2.50E-03	1.64E-03
1.34E+02	8.77E-04	2.50E-03	1.51E-03
1.34E+02	8.41E-04	2.43E-03	1.34E-03
1.34E+02	7.08E-04	2.36E-03	1.24E-03
1.34E+02	5.62E-04	2.30E-03	1.16E-03
1.34E+02	4.40E-04	2.24E-03	1.14E-03
1.34E+02	2.65E-04	2.15E-03	1.16E-03
1.34E+02	1.02E-04	2.01E-03	1.20E-03
1.34E+02	5.53E-06	1.89E-03	1.34E-03
1.34E+02	-4.88E-05	1.76E-03	1.45E-03
1.34E+02	-4.73E-05	1.60E-03	1.50E-03
1.34E+02	-1.66E-05	1.49E-03	1.55E-03

1.34E+02	7.51E-05	1.43E-03	1.62E-03
1.34E+02	2.33E-04	1.43E-03	1.72E-03
1.34E+02	3.70E-04	1.45E-03	1.81E-03
1.34E+02	5.05E-04	1.44E-03	1.81E-03
1.34E+02	6.50E-04	1.41E-03	1.82E-03
1.34E+02	7.71E-04	1.36E-03	1.86E-03
1.34E+02	8.63E-04	1.25E-03	1.84E-03
1.34E+02	8.61E-04	1.09E-03	1.76E-03
1.34E+02	8.14E-04	9.16E-04	1.61E-03
1.34E+02	7.83E-04	7.59E-04	1.42E-03
1.34E+02	7.11E-04	6.22E-04	1.23E-03
1.34E+02	6.41E-04	5.00E-04	1.05E-03
1.34E+02	5.76E-04	4.14E-04	1.00E-03
1.34E+02	5.08E-04	3.70E-04	1.10E-03
1.34E+02	4.76E-04	3.28E-04	1.21E-03
1.34E+02	3.97E-04	2.70E-04	1.30E-03
1.34E+02	2.96E-04	2.24E-04	1.42E-03
1.34E+02	2.33E-04	1.95E-04	1.50E-03
1.34E+02	1.34E-04	1.71E-04	1.55E-03
1.34E+02	1.54E-05	1.27E-04	1.55E-03
1.34E+02	-5.66E-05	1.06E-04	1.61E-03
1.34E+02	-9.82E-05	1.30E-04	1.77E-03
1.34E+02	-1.08E-04	1.29E-04	1.92E-03
1.34E+02	-1.16E-04	1.19E-04	2.08E-03
1.34E+02	-1.32E-04	1.08E-04	2.23E-03
1.34E+02	-9.65E-05	7.93E-05	2.27E-03
1.34E+02	-6.71E-05	5.32E-05	2.24E-03
1.34E+02	-8.18E-05	1.51E-05	2.10E-03
1.34E+02	-7.78E-05	-1.72E-06	1.95E-03
1.34E+02	-7.74E-05	2.23E-05	1.87E-03
1.34E+02	-9.25E-05	2.06E-05	1.75E-03
1.34E+02	-1.52E-04	-7.25E-06	1.60E-03
1.34E+02	-2.64E-04	-3.32E-05	1.48E-03
1.34E+02	-3.40E-04	-5.25E-05	1.38E-03
1.34E+02	-4.39E-04	-6.94E-05	1.33E-03
1.34E+02	-5.68E-04	-1.20E-04	1.27E-03
1.34E+02	-6.44E-04	-1.87E-04	1.26E-03
1.34E+02	-7.00E-04	-2.25E-04	1.34E-03
1.34E+02	-7.26E-04	-2.71E-04	1.42E-03
1.34E+02	-7.42E-04	-3.35E-04	1.55E-03
1.34E+02	-7.55E-04	-3.92E-04	1.76E-03
1.34E+02	-6.86E-04	-4.61E-04	1.96E-03
1.34E+02	-5.66E-04	-5.46E-04	2.14E-03
1.34E+02	-4.38E-04	-6.67E-04	2.26E-03
1.34E+02	-2.71E-04	-8.15E-04	2.31E-03
1.34E+02	-8.53E-05	-9.31E-04	2.39E-03
1.34E+02	9.14E-05	-1.05E-03	2.41E-03

1.34E+02	2.08E-04	-1.19E-03	2.32E-03
1.34E+02	2.42E-04	-1.32E-03	2.21E-03
1.34E+02	2.57E-04	-1.42E-03	2.06E-03
1.34E+02	2.65E-04	-1.50E-03	1.93E-03
1.34E+02	2.22E-04	-1.56E-03	1.82E-03
1.34E+02	1.48E-04	-1.62E-03	1.71E-03
1.34E+02	7.31E-05	-1.64E-03	1.71E-03
1.34E+02	-2.17E-05	-1.63E-03	1.74E-03
1.34E+02	-1.75E-04	-1.62E-03	1.67E-03
1.34E+02	-4.06E-04	-1.59E-03	1.58E-03
1.34E+02	-6.36E-04	-1.53E-03	1.41E-03
1.34E+02	-8.21E-04	-1.46E-03	1.16E-03
1.34E+02	-1.02E-03	-1.38E-03	8.66E-04
1.34E+02	-1.18E-03	-1.27E-03	5.32E-04
1.34E+02	-1.24E-03	-1.14E-03	2.64E-04
1.34E+02	-1.26E-03	-9.97E-04	5.61E-05
1.34E+02	-1.26E-03	-8.82E-04	-1.37E-04
1.34E+02	-1.28E-03	-7.80E-04	-1.98E-04
1.34E+02	-1.31E-03	-6.66E-04	-1.62E-04
1.34E+02	-1.32E-03	-5.52E-04	-7.74E-05
1.35E+02	-1.40E-03	-4.53E-04	1.75E-05
1.35E+02	-1.48E-03	-3.84E-04	6.05E-05
1.35E+02	-1.53E-03	-3.13E-04	1.53E-04
1.35E+02	-1.57E-03	-2.43E-04	2.72E-04
1.35E+02	-1.59E-03	-2.14E-04	3.08E-04
1.35E+02	-1.67E-03	-1.77E-04	3.31E-04
1.35E+02	-1.72E-03	-1.47E-04	3.51E-04
1.35E+02	-1.72E-03	-1.72E-04	3.52E-04
1.35E+02	-1.80E-03	-2.41E-04	3.97E-04
1.35E+02	-1.88E-03	-3.56E-04	3.93E-04
1.35E+02	-1.95E-03	-5.02E-04	3.05E-04
1.35E+02	-2.07E-03	-6.77E-04	2.26E-04
1.35E+02	-2.16E-03	-8.77E-04	1.08E-04
1.35E+02	-2.28E-03	-1.05E-03	-2.48E-06
1.35E+02	-2.41E-03	-1.12E-03	-3.28E-05
1.35E+02	-2.46E-03	-1.11E-03	-9.54E-07
1.35E+02	-2.56E-03	-1.09E-03	7.19E-05
1.35E+02	-2.65E-03	-1.10E-03	8.98E-05
1.35E+02	-2.67E-03	-1.09E-03	9.54E-05
1.35E+02	-2.68E-03	-1.07E-03	1.06E-04
1.35E+02	-2.66E-03	-1.08E-03	1.62E-05
1.35E+02	-2.66E-03	-1.09E-03	-8.95E-05
1.35E+02	-2.63E-03	-1.08E-03	-1.32E-04
1.35E+02	-2.54E-03	-1.04E-03	-1.70E-04
1.35E+02	-2.46E-03	-9.99E-04	-2.17E-04
1.35E+02	-2.40E-03	-1.01E-03	-2.55E-04
1.35E+02	-2.38E-03	-1.05E-03	-2.53E-04

1.35E+02	-2.36E-03	-1.08E-03	-2.42E-04
1.35E+02	-2.34E-03	-1.15E-03	-2.99E-04
1.35E+02	-2.38E-03	-1.22E-03	-3.26E-04
1.35E+02	-2.44E-03	-1.26E-03	-2.92E-04
1.35E+02	-2.49E-03	-1.27E-03	-2.90E-04
1.35E+02	-2.54E-03	-1.27E-03	-2.90E-04
1.35E+02	-2.62E-03	-1.30E-03	-3.44E-04
1.35E+02	-2.67E-03	-1.35E-03	-4.22E-04
1.35E+02	-2.68E-03	-1.39E-03	-4.64E-04
1.35E+02	-2.66E-03	-1.47E-03	-5.43E-04
1.35E+02	-2.59E-03	-1.54E-03	-6.05E-04
1.35E+02	-2.53E-03	-1.58E-03	-6.40E-04
1.35E+02	-2.40E-03	-1.59E-03	-6.78E-04
1.35E+02	-2.24E-03	-1.54E-03	-6.96E-04
1.35E+02	-2.14E-03	-1.44E-03	-7.55E-04
1.35E+02	-2.06E-03	-1.32E-03	-8.15E-04
1.35E+02	-2.00E-03	-1.16E-03	-7.97E-04
1.35E+02	-1.98E-03	-1.00E-03	-8.04E-04
1.35E+02	-2.00E-03	-8.96E-04	-8.42E-04
1.35E+02	-2.09E-03	-8.34E-04	-8.60E-04
1.35E+02	-2.17E-03	-8.02E-04	-9.06E-04
1.35E+02	-2.22E-03	-7.73E-04	-9.47E-04
1.35E+02	-2.31E-03	-7.68E-04	-1.04E-03
1.35E+02	-2.36E-03	-7.81E-04	-1.17E-03
1.35E+02	-2.34E-03	-7.46E-04	-1.21E-03
1.35E+02	-2.30E-03	-7.08E-04	-1.27E-03
1.35E+02	-2.25E-03	-6.89E-04	-1.36E-03
1.35E+02	-2.24E-03	-6.58E-04	-1.41E-03
1.35E+02	-2.23E-03	-6.39E-04	-1.44E-03
1.35E+02	-2.24E-03	-6.35E-04	-1.41E-03
1.35E+02	-2.36E-03	-6.79E-04	-1.36E-03
1.35E+02	-2.54E-03	-7.70E-04	-1.35E-03
1.35E+02	-2.74E-03	-8.46E-04	-1.28E-03
1.35E+02	-2.96E-03	-9.15E-04	-1.24E-03
1.35E+02	-3.17E-03	-9.99E-04	-1.33E-03
1.35E+02	-3.39E-03	-1.07E-03	-1.44E-03
1.35E+02	-3.52E-03	-1.09E-03	-1.50E-03
1.35E+02	-3.54E-03	-1.08E-03	-1.51E-03
1.35E+02	-3.54E-03	-1.08E-03	-1.48E-03
1.35E+02	-3.49E-03	-1.14E-03	-1.50E-03
1.35E+02	-3.39E-03	-1.24E-03	-1.44E-03
1.35E+02	-3.26E-03	-1.36E-03	-1.32E-03
1.35E+02	-3.11E-03	-1.49E-03	-1.23E-03
1.35E+02	-3.00E-03	-1.59E-03	-1.11E-03
1.35E+02	-2.87E-03	-1.65E-03	-1.01E-03
1.35E+02	-2.68E-03	-1.65E-03	-9.14E-04
1.35E+02	-2.51E-03	-1.62E-03	-7.58E-04

1.35E+02	-2.36E-03	-1.62E-03	-6.53E-04
1.35E+02	-2.19E-03	-1.61E-03	-5.43E-04
1.35E+02	-2.02E-03	-1.60E-03	-4.74E-04
1.35E+02	-1.87E-03	-1.61E-03	-5.40E-04
1.35E+02	-1.79E-03	-1.60E-03	-6.03E-04
1.35E+02	-1.76E-03	-1.58E-03	-6.91E-04
1.35E+02	-1.71E-03	-1.49E-03	-8.23E-04
1.35E+02	-1.72E-03	-1.37E-03	-9.50E-04
1.35E+02	-1.77E-03	-1.27E-03	-1.14E-03
1.35E+02	-1.81E-03	-1.14E-03	-1.28E-03
1.35E+02	-1.86E-03	-9.86E-04	-1.35E-03
1.35E+02	-1.89E-03	-8.37E-04	-1.45E-03
1.35E+02	-1.94E-03	-7.07E-04	-1.56E-03
1.35E+02	-2.00E-03	-6.02E-04	-1.68E-03
1.35E+02	-2.01E-03	-5.20E-04	-1.81E-03
1.35E+02	-2.03E-03	-4.82E-04	-1.88E-03
1.35E+02	-2.10E-03	-5.25E-04	-1.96E-03
1.35E+02	-2.15E-03	-6.20E-04	-1.98E-03
1.35E+02	-2.19E-03	-7.39E-04	-1.90E-03
1.35E+02	-2.17E-03	-8.93E-04	-1.85E-03
1.35E+02	-2.13E-03	-1.05E-03	-1.77E-03
1.35E+02	-2.08E-03	-1.19E-03	-1.67E-03
1.35E+02	-1.94E-03	-1.31E-03	-1.58E-03
1.35E+02	-1.79E-03	-1.40E-03	-1.50E-03
1.35E+02	-1.67E-03	-1.49E-03	-1.53E-03
1.35E+02	-1.54E-03	-1.53E-03	-1.58E-03
1.35E+02	-1.41E-03	-1.52E-03	-1.55E-03
1.35E+02	-1.32E-03	-1.48E-03	-1.59E-03
1.35E+02	-1.29E-03	-1.42E-03	-1.62E-03
1.35E+02	-1.32E-03	-1.33E-03	-1.61E-03
1.35E+02	-1.33E-03	-1.25E-03	-1.62E-03
1.35E+02	-1.36E-03	-1.17E-03	-1.57E-03
1.35E+02	-1.45E-03	-1.11E-03	-1.52E-03
1.35E+02	-1.53E-03	-1.09E-03	-1.50E-03
1.35E+02	-1.60E-03	-1.09E-03	-1.44E-03
1.35E+02	-1.65E-03	-1.12E-03	-1.45E-03
1.35E+02	-1.68E-03	-1.18E-03	-1.51E-03
1.35E+02	-1.76E-03	-1.24E-03	-1.55E-03
1.35E+02	-1.80E-03	-1.29E-03	-1.64E-03
1.35E+02	-1.82E-03	-1.32E-03	-1.72E-03
1.35E+02	-1.91E-03	-1.39E-03	-1.82E-03
1.35E+02	-1.97E-03	-1.49E-03	-1.92E-03
1.35E+02	-2.04E-03	-1.57E-03	-1.92E-03
1.35E+02	-2.11E-03	-1.66E-03	-1.93E-03
1.35E+02	-2.16E-03	-1.73E-03	-1.91E-03
1.35E+02	-2.26E-03	-1.77E-03	-1.84E-03
1.35E+02	-2.33E-03	-1.79E-03	-1.83E-03

1.35E+02	-2.34E-03	-1.76E-03	-1.79E-03
1.35E+02	-2.37E-03	-1.75E-03	-1.75E-03
1.35E+02	-2.40E-03	-1.76E-03	-1.80E-03
1.35E+02	-2.38E-03	-1.75E-03	-1.79E-03
1.35E+02	-2.31E-03	-1.74E-03	-1.80E-03
1.35E+02	-2.18E-03	-1.77E-03	-1.77E-03
1.35E+02	-2.08E-03	-1.82E-03	-1.53E-03
1.35E+02	-1.96E-03	-1.90E-03	-1.19E-03
1.35E+02	-1.79E-03	-2.00E-03	-8.11E-04
1.35E+02	-1.70E-03	-2.13E-03	-4.84E-04
1.35E+02	-1.63E-03	-2.30E-03	-3.01E-04
1.35E+02	-1.57E-03	-2.43E-03	-1.42E-04
1.35E+02	-1.51E-03	-2.52E-03	-7.29E-05
1.35E+02	-1.44E-03	-2.57E-03	-1.34E-04
1.35E+02	-1.44E-03	-2.55E-03	-2.12E-04
1.35E+02	-1.43E-03	-2.49E-03	-3.48E-04
1.35E+02	-1.39E-03	-2.41E-03	-4.84E-04
1.35E+02	-1.39E-03	-2.34E-03	-6.29E-04
1.35E+02	-1.42E-03	-2.33E-03	-8.49E-04
1.35E+02	-1.45E-03	-2.31E-03	-9.92E-04
1.35E+02	-1.47E-03	-2.32E-03	-1.09E-03
1.35E+02	-1.47E-03	-2.36E-03	-1.20E-03
1.35E+02	-1.53E-03	-2.38E-03	-1.21E-03
1.35E+02	-1.62E-03	-2.39E-03	-1.19E-03
1.35E+02	-1.62E-03	-2.36E-03	-1.10E-03
1.35E+02	-1.66E-03	-2.33E-03	-9.75E-04
1.35E+02	-1.68E-03	-2.36E-03	-9.11E-04
1.35E+02	-1.59E-03	-2.38E-03	-8.09E-04
1.35E+02	-1.48E-03	-2.43E-03	-7.01E-04
1.35E+02	-1.31E-03	-2.54E-03	-6.48E-04
1.35E+02	-1.15E-03	-2.65E-03	-5.71E-04
1.35E+02	-1.02E-03	-2.78E-03	-5.04E-04
1.35E+02	-8.32E-04	-2.91E-03	-4.82E-04
1.35E+02	-6.98E-04	-3.06E-03	-4.78E-04
1.35E+02	-6.18E-04	-3.20E-03	-5.43E-04
1.35E+02	-5.36E-04	-3.32E-03	-6.22E-04
1.35E+02	-4.74E-04	-3.37E-03	-6.65E-04
1.35E+02	-4.05E-04	-3.40E-03	-7.65E-04
1.35E+02	-3.71E-04	-3.41E-03	-8.42E-04
1.35E+02	-3.83E-04	-3.39E-03	-8.33E-04
1.35E+02	-3.47E-04	-3.34E-03	-7.97E-04
1.35E+02	-3.16E-04	-3.25E-03	-7.65E-04
1.35E+02	-3.00E-04	-3.18E-03	-8.45E-04
1.35E+02	-1.99E-04	-3.09E-03	-9.53E-04
1.35E+02	-3.78E-05	-2.97E-03	-9.98E-04
1.35E+02	1.95E-04	-2.85E-03	-1.08E-03
1.35E+02	4.74E-04	-2.71E-03	-1.13E-03

1.35E+02	7.39E-04	-2.54E-03	-1.10E-03
1.35E+02	1.05E-03	-2.36E-03	-1.06E-03
1.35E+02	1.34E-03	-2.18E-03	-1.01E-03
1.35E+02	1.54E-03	-2.01E-03	-1.02E-03
1.35E+02	1.69E-03	-1.84E-03	-1.01E-03
1.35E+02	1.80E-03	-1.63E-03	-8.58E-04
1.35E+02	1.84E-03	-1.44E-03	-6.96E-04
1.35E+02	1.81E-03	-1.31E-03	-5.69E-04
1.35E+02	1.68E-03	-1.21E-03	-4.27E-04
1.35E+02	1.54E-03	-1.12E-03	-3.31E-04
1.35E+02	1.38E-03	-1.06E-03	-2.82E-04
1.35E+02	1.17E-03	-1.04E-03	-3.19E-04
1.35E+02	9.72E-04	-1.03E-03	-4.24E-04
1.35E+02	8.20E-04	-9.66E-04	-4.37E-04
1.35E+02	6.82E-04	-8.64E-04	-4.06E-04
1.35E+02	5.34E-04	-7.67E-04	-3.97E-04
1.35E+02	3.45E-04	-6.67E-04	-3.60E-04
1.35E+02	1.74E-04	-5.93E-04	-3.68E-04
1.35E+02	5.68E-05	-5.74E-04	-3.79E-04
1.35E+02	-8.22E-05	-6.35E-04	-3.50E-04
1.35E+02	-1.93E-04	-7.69E-04	-3.20E-04
1.35E+02	-2.37E-04	-9.03E-04	-1.96E-04
1.35E+02	-2.44E-04	-1.05E-03	-2.77E-05
1.35E+02	-2.04E-04	-1.24E-03	9.06E-05
1.35E+02	-1.72E-04	-1.43E-03	2.17E-04
1.35E+02	-1.25E-04	-1.60E-03	3.06E-04
1.35E+02	-4.77E-05	-1.75E-03	3.36E-04
1.35E+02	-2.38E-05	-1.89E-03	3.06E-04
1.35E+02	3.62E-06	-2.02E-03	2.22E-04
1.35E+02	5.80E-05	-2.15E-03	1.81E-04
1.35E+02	1.39E-04	-2.26E-03	1.88E-04
1.35E+02	2.42E-04	-2.38E-03	2.08E-04
1.36E+02	2.74E-04	-2.55E-03	2.43E-04
1.36E+02	3.08E-04	-2.74E-03	2.80E-04
1.36E+02	3.80E-04	-2.93E-03	3.32E-04
1.36E+02	4.12E-04	-3.12E-03	3.81E-04
1.36E+02	4.41E-04	-3.28E-03	3.76E-04
1.36E+02	5.10E-04	-3.38E-03	3.82E-04
1.36E+02	6.24E-04	-3.40E-03	4.06E-04
1.36E+02	7.77E-04	-3.39E-03	3.52E-04
1.36E+02	9.54E-04	-3.34E-03	2.84E-04
1.36E+02	1.17E-03	-3.28E-03	2.81E-04
1.36E+02	1.45E-03	-3.18E-03	3.21E-04
1.36E+02	1.72E-03	-3.10E-03	3.70E-04
1.36E+02	1.94E-03	-3.09E-03	3.55E-04
1.36E+02	2.19E-03	-3.08E-03	3.25E-04
1.36E+02	2.40E-03	-3.05E-03	3.38E-04

1.36E+02	2.56E-03	-2.98E-03	2.52E-04
1.36E+02	2.67E-03	-2.88E-03	5.44E-05
1.36E+02	2.74E-03	-2.75E-03	-1.51E-04
1.36E+02	2.86E-03	-2.54E-03	-3.55E-04
1.36E+02	2.96E-03	-2.33E-03	-5.04E-04
1.36E+02	3.01E-03	-2.17E-03	-6.10E-04
1.36E+02	3.06E-03	-2.05E-03	-6.41E-04
1.36E+02	3.11E-03	-1.96E-03	-5.60E-04
1.36E+02	3.15E-03	-1.93E-03	-5.24E-04
1.36E+02	3.13E-03	-1.94E-03	-4.77E-04
1.36E+02	3.08E-03	-1.95E-03	-3.51E-04
1.36E+02	3.04E-03	-1.95E-03	-2.18E-04
1.36E+02	2.96E-03	-1.96E-03	-5.02E-05
1.36E+02	2.85E-03	-1.98E-03	7.02E-05
1.36E+02	2.72E-03	-2.03E-03	1.43E-04
1.36E+02	2.62E-03	-2.08E-03	2.78E-04
1.36E+02	2.55E-03	-2.16E-03	4.17E-04
1.36E+02	2.45E-03	-2.28E-03	5.37E-04
1.36E+02	2.32E-03	-2.41E-03	6.27E-04
1.36E+02	2.23E-03	-2.54E-03	6.44E-04
1.36E+02	2.12E-03	-2.66E-03	6.13E-04
1.36E+02	2.01E-03	-2.79E-03	5.59E-04
1.36E+02	1.90E-03	-2.89E-03	5.70E-04
1.36E+02	1.83E-03	-2.94E-03	6.49E-04
1.36E+02	1.77E-03	-2.99E-03	6.25E-04
1.36E+02	1.72E-03	-3.09E-03	4.91E-04
1.36E+02	1.65E-03	-3.17E-03	3.35E-04
1.36E+02	1.59E-03	-3.24E-03	1.68E-04
1.36E+02	1.53E-03	-3.29E-03	-5.15E-06
1.36E+02	1.40E-03	-3.33E-03	-2.12E-04
1.36E+02	1.28E-03	-3.34E-03	-3.96E-04
1.36E+02	1.17E-03	-3.27E-03	-4.29E-04
1.36E+02	1.06E-03	-3.16E-03	-3.76E-04
1.36E+02	9.22E-04	-3.02E-03	-3.31E-04
1.36E+02	7.70E-04	-2.84E-03	-2.32E-04
1.36E+02	6.80E-04	-2.64E-03	-6.39E-05
1.36E+02	6.39E-04	-2.44E-03	1.38E-04
1.36E+02	6.14E-04	-2.29E-03	3.21E-04
1.36E+02	6.40E-04	-2.17E-03	4.22E-04
1.36E+02	6.98E-04	-2.05E-03	5.09E-04
1.36E+02	7.89E-04	-1.95E-03	5.70E-04
1.36E+02	8.96E-04	-1.91E-03	5.53E-04
1.36E+02	9.57E-04	-1.88E-03	5.59E-04
1.36E+02	1.02E-03	-1.84E-03	6.16E-04
1.36E+02	1.08E-03	-1.80E-03	7.02E-04
1.36E+02	1.07E-03	-1.75E-03	7.56E-04
1.36E+02	1.04E-03	-1.70E-03	7.22E-04

1.36E+02	1.03E-03	-1.61E-03	7.18E-04
1.36E+02	1.05E-03	-1.46E-03	7.17E-04
1.36E+02	1.09E-03	-1.29E-03	6.59E-04
1.36E+02	1.14E-03	-1.11E-03	6.49E-04
1.36E+02	1.21E-03	-9.22E-04	6.65E-04
1.36E+02	1.32E-03	-7.28E-04	6.87E-04
1.36E+02	1.39E-03	-5.62E-04	7.19E-04
1.36E+02	1.41E-03	-4.50E-04	7.55E-04
1.36E+02	1.45E-03	-3.17E-04	8.65E-04
1.36E+02	1.44E-03	-1.67E-04	9.77E-04
1.36E+02	1.41E-03	4.39E-06	1.03E-03
1.36E+02	1.32E-03	2.44E-04	1.07E-03
1.36E+02	1.19E-03	5.39E-04	1.10E-03
1.36E+02	1.10E-03	8.84E-04	1.13E-03
1.36E+02	9.99E-04	1.22E-03	1.16E-03
1.36E+02	8.82E-04	1.46E-03	1.11E-03
1.36E+02	8.33E-04	1.64E-03	1.04E-03
1.36E+02	8.37E-04	1.75E-03	9.19E-04
1.36E+02	8.75E-04	1.77E-03	6.37E-04
1.36E+02	9.17E-04	1.72E-03	3.31E-04
1.36E+02	9.97E-04	1.64E-03	1.28E-04
1.36E+02	1.14E-03	1.54E-03	3.53E-05
1.36E+02	1.26E-03	1.43E-03	2.04E-05
1.36E+02	1.33E-03	1.28E-03	-1.96E-05
1.36E+02	1.39E-03	1.15E-03	-3.68E-05
1.36E+02	1.45E-03	1.04E-03	1.35E-05
1.36E+02	1.52E-03	9.10E-04	2.38E-05
1.36E+02	1.56E-03	7.78E-04	2.42E-05
1.36E+02	1.57E-03	6.66E-04	5.40E-05
1.36E+02	1.62E-03	5.96E-04	9.54E-05
1.36E+02	1.66E-03	5.89E-04	1.82E-04
1.36E+02	1.64E-03	5.84E-04	2.52E-04
1.36E+02	1.64E-03	5.92E-04	3.20E-04
1.36E+02	1.68E-03	6.43E-04	4.26E-04
1.36E+02	1.70E-03	6.74E-04	4.81E-04
1.36E+02	1.69E-03	7.04E-04	5.37E-04
1.36E+02	1.65E-03	7.48E-04	6.46E-04
1.36E+02	1.65E-03	7.77E-04	7.87E-04
1.36E+02	1.65E-03	7.77E-04	9.91E-04
1.36E+02	1.58E-03	7.01E-04	1.14E-03
1.36E+02	1.53E-03	5.68E-04	1.17E-03
1.36E+02	1.51E-03	4.45E-04	1.15E-03
1.36E+02	1.53E-03	3.25E-04	9.87E-04
1.36E+02	1.56E-03	2.40E-04	7.31E-04
1.36E+02	1.59E-03	2.26E-04	5.09E-04
1.36E+02	1.67E-03	2.63E-04	3.46E-04
1.36E+02	1.76E-03	3.33E-04	3.27E-04

1.36E+02	1.78E-03	3.51E-04	3.76E-04
1.36E+02	1.79E-03	2.74E-04	4.39E-04
1.36E+02	1.78E-03	1.58E-04	5.86E-04
1.36E+02	1.75E-03	-2.10E-05	6.81E-04
1.36E+02	1.70E-03	-2.44E-04	7.14E-04
1.36E+02	1.62E-03	-4.44E-04	7.61E-04
1.36E+02	1.60E-03	-6.07E-04	8.02E-04
1.36E+02	1.60E-03	-7.27E-04	8.93E-04
1.36E+02	1.57E-03	-8.55E-04	1.01E-03
1.36E+02	1.54E-03	-1.01E-03	1.14E-03
1.36E+02	1.52E-03	-1.14E-03	1.34E-03
1.36E+02	1.53E-03	-1.27E-03	1.52E-03
1.36E+02	1.51E-03	-1.40E-03	1.57E-03
1.36E+02	1.47E-03	-1.49E-03	1.61E-03
1.36E+02	1.48E-03	-1.48E-03	1.67E-03
1.36E+02	1.50E-03	-1.38E-03	1.75E-03
1.36E+02	1.47E-03	-1.23E-03	1.87E-03
1.36E+02	1.43E-03	-1.09E-03	1.94E-03
1.36E+02	1.39E-03	-9.47E-04	2.05E-03
1.36E+02	1.34E-03	-8.14E-04	2.12E-03
1.36E+02	1.26E-03	-7.23E-04	2.11E-03
1.36E+02	1.14E-03	-6.16E-04	2.07E-03
1.36E+02	1.04E-03	-4.85E-04	1.99E-03
1.36E+02	1.01E-03	-3.08E-04	1.92E-03
1.36E+02	9.58E-04	-9.75E-05	1.87E-03
1.36E+02	8.87E-04	8.14E-05	1.78E-03
1.36E+02	8.31E-04	2.67E-04	1.77E-03
1.36E+02	7.82E-04	4.17E-04	1.70E-03
1.36E+02	7.17E-04	4.61E-04	1.51E-03
1.36E+02	5.92E-04	4.80E-04	1.43E-03
1.36E+02	4.41E-04	4.86E-04	1.39E-03
1.36E+02	3.07E-04	4.91E-04	1.36E-03
1.36E+02	1.26E-04	5.29E-04	1.36E-03
1.36E+02	-8.87E-05	5.29E-04	1.29E-03
1.36E+02	-2.86E-04	5.13E-04	1.25E-03
1.36E+02	-4.79E-04	4.98E-04	1.29E-03
1.36E+02	-6.36E-04	4.37E-04	1.30E-03
1.36E+02	-8.03E-04	3.68E-04	1.31E-03
1.36E+02	-9.54E-04	2.79E-04	1.28E-03
1.36E+02	-1.01E-03	1.90E-04	1.24E-03
1.36E+02	-1.06E-03	1.18E-04	1.25E-03
1.36E+02	-1.14E-03	1.28E-05	1.25E-03
1.36E+02	-1.17E-03	-6.28E-05	1.30E-03
1.36E+02	-1.19E-03	-1.26E-04	1.39E-03
1.36E+02	-1.20E-03	-2.26E-04	1.41E-03
1.36E+02	-1.23E-03	-3.10E-04	1.42E-03
1.36E+02	-1.27E-03	-3.64E-04	1.44E-03

1.36E+02	-1.21E-03	-3.53E-04	1.47E-03
1.36E+02	-1.14E-03	-2.79E-04	1.51E-03
1.36E+02	-1.09E-03	-1.70E-04	1.44E-03
1.36E+02	-9.97E-04	-1.30E-05	1.25E-03
1.36E+02	-8.72E-04	1.86E-04	1.07E-03
1.36E+02	-7.04E-04	4.01E-04	8.61E-04
1.36E+02	-5.84E-04	5.75E-04	6.43E-04
1.36E+02	-4.95E-04	7.15E-04	5.12E-04
1.36E+02	-3.72E-04	8.52E-04	4.74E-04
1.36E+02	-3.18E-04	9.51E-04	5.70E-04
1.36E+02	-3.56E-04	9.83E-04	6.81E-04
1.36E+02	-4.55E-04	9.66E-04	7.37E-04
1.36E+02	-6.08E-04	9.43E-04	8.17E-04
1.36E+02	-7.86E-04	9.13E-04	7.98E-04
1.36E+02	-1.00E-03	8.81E-04	7.23E-04
1.36E+02	-1.22E-03	8.89E-04	7.08E-04
1.36E+02	-1.37E-03	9.43E-04	6.67E-04
1.36E+02	-1.46E-03	1.04E-03	6.26E-04
1.36E+02	-1.51E-03	1.11E-03	5.48E-04
1.36E+02	-1.49E-03	1.12E-03	4.14E-04
1.36E+02	-1.36E-03	1.13E-03	3.13E-04
1.36E+02	-1.17E-03	1.09E-03	1.75E-04
1.36E+02	-9.95E-04	1.01E-03	6.66E-05
1.36E+02	-8.25E-04	9.31E-04	3.05E-05
1.36E+02	-6.23E-04	8.64E-04	-2.56E-05
1.36E+02	-4.51E-04	8.64E-04	-3.62E-05
1.36E+02	-3.64E-04	8.90E-04	-5.17E-05
1.36E+02	-3.26E-04	9.20E-04	-1.26E-04
1.36E+02	-3.07E-04	1.00E-03	-1.57E-04
1.36E+02	-3.00E-04	1.11E-03	-1.72E-04
1.36E+02	-3.22E-04	1.22E-03	-2.00E-04
1.36E+02	-4.07E-04	1.32E-03	-2.27E-04
1.36E+02	-4.86E-04	1.41E-03	-2.45E-04
1.36E+02	-5.53E-04	1.48E-03	-1.93E-04
1.36E+02	-6.79E-04	1.51E-03	-1.42E-04
1.36E+02	-8.04E-04	1.48E-03	-1.31E-04
1.36E+02	-8.89E-04	1.44E-03	-3.30E-05
1.36E+02	-9.42E-04	1.42E-03	8.91E-05
1.36E+02	-9.77E-04	1.39E-03	1.71E-04
1.36E+02	-1.04E-03	1.37E-03	2.50E-04
1.36E+02	-1.08E-03	1.36E-03	2.69E-04
1.36E+02	-1.07E-03	1.37E-03	2.85E-04
1.36E+02	-1.11E-03	1.37E-03	2.86E-04
1.36E+02	-1.15E-03	1.35E-03	2.28E-04
1.37E+02	-1.16E-03	1.34E-03	2.24E-04
1.37E+02	-1.16E-03	1.33E-03	1.82E-04
1.37E+02	-1.14E-03	1.26E-03	7.25E-05

1.37E+02	-1.17E-03	1.18E-03	2.69E-05
1.37E+02	-1.20E-03	1.11E-03	1.37E-05
1.37E+02	-1.19E-03	1.07E-03	4.48E-05
1.37E+02	-1.23E-03	1.03E-03	3.38E-05
1.37E+02	-1.30E-03	9.54E-04	-9.31E-05
1.37E+02	-1.33E-03	8.78E-04	-1.69E-04
1.37E+02	-1.34E-03	8.17E-04	-2.03E-04
1.37E+02	-1.30E-03	7.51E-04	-2.44E-04
1.37E+02	-1.25E-03	6.88E-04	-2.38E-04
1.37E+02	-1.15E-03	6.18E-04	-2.52E-04
1.37E+02	-9.55E-04	5.33E-04	-2.91E-04
1.37E+02	-7.58E-04	4.22E-04	-3.62E-04
1.37E+02	-5.68E-04	2.80E-04	-5.05E-04
1.37E+02	-3.72E-04	1.57E-04	-5.87E-04
1.37E+02	-1.82E-04	7.71E-05	-5.67E-04
1.37E+02	-1.62E-05	8.20E-06	-5.39E-04
1.37E+02	7.02E-05	-4.50E-05	-4.84E-04
1.37E+02	1.15E-04	-6.22E-05	-4.16E-04
1.37E+02	1.69E-04	-3.53E-05	-3.53E-04
1.37E+02	1.77E-04	3.13E-05	-2.78E-04
1.37E+02	1.49E-04	8.18E-05	-2.86E-04
1.37E+02	1.47E-04	1.40E-04	-3.32E-04
1.37E+02	1.75E-04	2.44E-04	-3.56E-04
1.37E+02	2.19E-04	3.27E-04	-4.45E-04
1.37E+02	2.39E-04	3.93E-04	-5.48E-04
1.37E+02	2.26E-04	4.42E-04	-6.64E-04
1.37E+02	2.54E-04	4.85E-04	-7.82E-04
1.37E+02	2.86E-04	5.58E-04	-8.24E-04
1.37E+02	2.61E-04	6.00E-04	-9.14E-04
1.37E+02	2.35E-04	6.42E-04	-9.90E-04
1.37E+02	2.30E-04	7.32E-04	-9.23E-04
1.37E+02	2.55E-04	8.12E-04	-7.96E-04
1.37E+02	2.63E-04	8.69E-04	-5.86E-04
1.37E+02	2.53E-04	9.15E-04	-3.23E-04
1.37E+02	3.01E-04	9.64E-04	-1.21E-04
1.37E+02	3.52E-04	1.02E-03	2.14E-05
1.37E+02	3.83E-04	1.04E-03	3.36E-05
1.37E+02	4.55E-04	1.06E-03	-3.93E-05
1.37E+02	5.56E-04	1.12E-03	-1.75E-05
1.37E+02	6.66E-04	1.16E-03	1.72E-05
1.37E+02	7.33E-04	1.17E-03	6.18E-05
1.37E+02	7.27E-04	1.14E-03	1.48E-04
1.37E+02	7.32E-04	1.09E-03	1.67E-04
1.37E+02	7.50E-04	1.04E-03	1.54E-04
1.37E+02	7.27E-04	9.70E-04	3.30E-05
1.37E+02	7.34E-04	9.09E-04	-1.74E-04
1.37E+02	8.01E-04	9.36E-04	-2.75E-04

1.37E+02	9.32E-04	1.00E-03	-3.50E-04
1.37E+02	1.10E-03	1.06E-03	-4.44E-04
1.37E+02	1.24E-03	1.11E-03	-5.31E-04
1.37E+02	1.42E-03	1.15E-03	-6.28E-04
1.37E+02	1.62E-03	1.19E-03	-6.60E-04
1.37E+02	1.74E-03	1.21E-03	-6.73E-04
1.37E+02	1.85E-03	1.19E-03	-7.07E-04
1.37E+02	1.93E-03	1.20E-03	-6.67E-04
1.37E+02	2.00E-03	1.25E-03	-5.97E-04
1.37E+02	2.02E-03	1.29E-03	-5.63E-04
1.37E+02	1.97E-03	1.33E-03	-5.52E-04
1.37E+02	1.90E-03	1.40E-03	-5.86E-04
1.37E+02	1.84E-03	1.48E-03	-6.08E-04
1.37E+02	1.72E-03	1.57E-03	-6.16E-04
1.37E+02	1.57E-03	1.61E-03	-6.78E-04
1.37E+02	1.44E-03	1.68E-03	-7.08E-04
1.37E+02	1.32E-03	1.75E-03	-7.08E-04
1.37E+02	1.19E-03	1.79E-03	-7.17E-04
1.37E+02	1.03E-03	1.80E-03	-6.67E-04
1.37E+02	8.72E-04	1.80E-03	-5.81E-04
1.37E+02	7.50E-04	1.82E-03	-4.38E-04
1.37E+02	5.83E-04	1.82E-03	-2.80E-04
1.37E+02	3.97E-04	1.75E-03	-2.46E-04
1.37E+02	2.37E-04	1.64E-03	-2.70E-04
1.37E+02	9.29E-05	1.52E-03	-3.03E-04
1.37E+02	-3.95E-05	1.38E-03	-3.91E-04
1.37E+02	-1.95E-04	1.23E-03	-4.93E-04
1.37E+02	-3.39E-04	1.11E-03	-5.84E-04
1.37E+02	-4.29E-04	1.02E-03	-6.73E-04
1.37E+02	-5.15E-04	9.46E-04	-7.76E-04
1.37E+02	-5.92E-04	8.93E-04	-9.00E-04
1.37E+02	-6.10E-04	8.89E-04	-9.52E-04
1.37E+02	-5.58E-04	9.25E-04	-9.36E-04
1.37E+02	-4.68E-04	9.79E-04	-9.62E-04
1.37E+02	-3.63E-04	1.04E-03	-9.81E-04
1.37E+02	-2.09E-04	1.10E-03	-9.82E-04
1.37E+02	5.72E-06	1.18E-03	-9.88E-04
1.37E+02	2.00E-04	1.25E-03	-9.82E-04
1.37E+02	3.59E-04	1.29E-03	-1.01E-03
1.37E+02	5.14E-04	1.33E-03	-9.81E-04
1.37E+02	6.27E-04	1.39E-03	-8.91E-04
1.37E+02	7.01E-04	1.45E-03	-8.54E-04
1.37E+02	7.22E-04	1.53E-03	-8.22E-04
1.37E+02	6.98E-04	1.62E-03	-7.74E-04
1.37E+02	7.08E-04	1.71E-03	-7.06E-04
1.37E+02	7.07E-04	1.79E-03	-6.28E-04
1.37E+02	6.80E-04	1.83E-03	-6.57E-04

1.37E+02	6.89E-04	1.87E-03	-7.48E-04
1.37E+02	7.36E-04	1.95E-03	-7.72E-04
1.37E+02	8.09E-04	2.02E-03	-7.58E-04
1.37E+02	8.85E-04	2.08E-03	-7.32E-04
1.37E+02	9.80E-04	2.13E-03	-6.93E-04
1.37E+02	1.12E-03	2.17E-03	-6.66E-04
1.37E+02	1.26E-03	2.19E-03	-6.58E-04
1.37E+02	1.35E-03	2.16E-03	-7.05E-04
1.37E+02	1.45E-03	2.13E-03	-7.56E-04
1.37E+02	1.58E-03	2.15E-03	-7.30E-04
1.37E+02	1.70E-03	2.17E-03	-6.88E-04
1.37E+02	1.77E-03	2.19E-03	-6.27E-04
1.37E+02	1.80E-03	2.20E-03	-5.15E-04
1.37E+02	1.84E-03	2.19E-03	-4.12E-04
1.37E+02	1.85E-03	2.18E-03	-3.26E-04
1.37E+02	1.81E-03	2.14E-03	-2.99E-04
1.37E+02	1.73E-03	2.06E-03	-3.56E-04
1.37E+02	1.65E-03	2.02E-03	-4.07E-04
1.37E+02	1.59E-03	2.01E-03	-4.83E-04
1.37E+02	1.52E-03	1.98E-03	-5.88E-04
1.37E+02	1.44E-03	1.95E-03	-6.07E-04
1.37E+02	1.40E-03	1.94E-03	-5.53E-04
1.37E+02	1.38E-03	1.92E-03	-4.96E-04
1.37E+02	1.32E-03	1.86E-03	-5.28E-04
1.37E+02	1.25E-03	1.79E-03	-6.25E-04
1.37E+02	1.22E-03	1.73E-03	-6.42E-04
1.37E+02	1.20E-03	1.66E-03	-6.12E-04
1.37E+02	1.16E-03	1.58E-03	-5.56E-04
1.37E+02	1.06E-03	1.52E-03	-4.36E-04
1.37E+02	9.81E-04	1.47E-03	-3.32E-04
1.37E+02	9.13E-04	1.44E-03	-2.60E-04
1.37E+02	8.01E-04	1.40E-03	-2.57E-04
1.37E+02	6.95E-04	1.40E-03	-3.45E-04
1.37E+02	6.28E-04	1.46E-03	-4.04E-04
1.37E+02	5.84E-04	1.54E-03	-4.43E-04
1.37E+02	5.39E-04	1.63E-03	-4.70E-04
1.37E+02	4.74E-04	1.74E-03	-4.21E-04
1.37E+02	4.34E-04	1.83E-03	-3.03E-04
1.37E+02	3.91E-04	1.92E-03	-1.16E-04
1.37E+02	3.05E-04	1.97E-03	2.86E-05
1.37E+02	2.23E-04	1.95E-03	5.02E-05
1.37E+02	1.49E-04	1.92E-03	5.95E-05
1.37E+02	1.08E-04	1.92E-03	8.49E-05
1.37E+02	8.53E-05	1.90E-03	5.55E-05
1.37E+02	4.39E-05	1.88E-03	-8.58E-06
1.37E+02	2.44E-05	1.85E-03	-4.62E-05
1.37E+02	5.40E-05	1.83E-03	-2.02E-05

1.37E+02	9.00E-05	1.80E-03	4.98E-05
1.37E+02	1.06E-04	1.73E-03	1.11E-04
1.37E+02	1.52E-04	1.68E-03	2.23E-04
1.37E+02	2.24E-04	1.65E-03	3.73E-04
1.37E+02	2.77E-04	1.61E-03	4.36E-04
1.37E+02	2.95E-04	1.58E-03	4.40E-04
1.37E+02	2.94E-04	1.58E-03	4.11E-04
1.37E+02	3.21E-04	1.62E-03	3.68E-04
1.37E+02	3.29E-04	1.69E-03	3.46E-04
1.37E+02	2.75E-04	1.70E-03	2.56E-04
1.37E+02	2.19E-04	1.71E-03	1.69E-04
1.37E+02	1.70E-04	1.74E-03	1.55E-04
1.37E+02	8.74E-05	1.75E-03	9.75E-05
1.37E+02	-6.05E-05	1.75E-03	2.12E-05
1.37E+02	-2.25E-04	1.77E-03	-2.10E-05
1.37E+02	-3.50E-04	1.82E-03	-1.72E-05
1.37E+02	-4.83E-04	1.88E-03	3.36E-05
1.37E+02	-6.40E-04	1.90E-03	3.38E-05
1.37E+02	-7.69E-04	1.92E-03	5.15E-06
1.37E+02	-8.44E-04	1.94E-03	-1.72E-06
1.37E+02	-8.64E-04	1.91E-03	-4.71E-05
1.37E+02	-8.71E-04	1.86E-03	-8.64E-05
1.37E+02	-8.81E-04	1.77E-03	-1.10E-04
1.37E+02	-8.34E-04	1.69E-03	-1.17E-04
1.37E+02	-7.86E-04	1.65E-03	-8.51E-05
1.37E+02	-8.05E-04	1.55E-03	-1.60E-04
1.37E+02	-8.16E-04	1.48E-03	-3.07E-04
1.37E+02	-8.25E-04	1.49E-03	-3.94E-04
1.37E+02	-8.50E-04	1.52E-03	-4.80E-04
1.37E+02	-8.91E-04	1.59E-03	-5.26E-04
1.37E+02	-9.55E-04	1.67E-03	-5.13E-04
1.37E+02	-9.76E-04	1.76E-03	-4.74E-04
1.37E+02	-9.98E-04	1.84E-03	-3.74E-04
1.37E+02	-1.08E-03	1.86E-03	-3.10E-04
1.37E+02	-1.20E-03	1.86E-03	-3.00E-04
1.37E+02	-1.34E-03	1.88E-03	-2.86E-04
1.37E+02	-1.50E-03	1.90E-03	-3.88E-04
1.37E+02	-1.69E-03	1.91E-03	-5.63E-04
1.37E+02	-1.90E-03	1.94E-03	-6.61E-04
1.37E+02	-2.07E-03	1.98E-03	-6.60E-04
1.37E+02	-2.18E-03	2.02E-03	-5.41E-04
1.37E+02	-2.30E-03	2.03E-03	-3.98E-04
1.37E+02	-2.36E-03	2.01E-03	-2.69E-04
1.37E+02	-2.34E-03	2.01E-03	-6.94E-05
1.37E+02	-2.24E-03	2.05E-03	1.31E-04
1.37E+02	-2.06E-03	2.13E-03	2.84E-04
1.37E+02	-1.89E-03	2.24E-03	3.73E-04

1.37E+02	-1.67E-03	2.37E-03	3.52E-04
1.37E+02	-1.40E-03	2.52E-03	3.14E-04
1.37E+02	-1.18E-03	2.60E-03	2.65E-04
1.37E+02	-9.75E-04	2.61E-03	1.68E-04
1.37E+02	-7.81E-04	2.58E-03	1.24E-04
1.37E+02	-6.03E-04	2.50E-03	7.34E-05
1.37E+02	-4.40E-04	2.37E-03	-7.44E-06
1.37E+02	-3.38E-04	2.20E-03	-1.64E-05
1.37E+02	-2.45E-04	2.07E-03	7.63E-07
1.38E+02	-1.46E-04	1.97E-03	8.01E-06
1.38E+02	-1.34E-04	1.89E-03	-2.78E-05
1.38E+02	-1.62E-04	1.79E-03	-1.21E-04
1.38E+02	-1.76E-04	1.72E-03	-1.48E-04
1.38E+02	-1.74E-04	1.69E-03	-9.19E-05
1.38E+02	-1.51E-04	1.64E-03	-2.67E-06
1.38E+02	-1.65E-04	1.58E-03	1.53E-04
1.38E+02	-1.53E-04	1.53E-03	3.11E-04
1.38E+02	-7.84E-05	1.50E-03	3.99E-04
1.38E+02	-2.98E-05	1.50E-03	3.78E-04
1.38E+02	2.96E-05	1.53E-03	2.39E-04
1.38E+02	1.32E-04	1.60E-03	1.57E-04
1.38E+02	2.29E-04	1.70E-03	1.39E-04
1.38E+02	3.24E-04	1.77E-03	6.60E-05
1.38E+02	3.62E-04	1.80E-03	2.21E-05
1.38E+02	3.36E-04	1.79E-03	2.67E-05
1.38E+02	3.08E-04	1.77E-03	7.31E-05
1.38E+02	2.08E-04	1.74E-03	1.26E-04
1.38E+02	5.78E-05	1.69E-03	9.10E-05
1.38E+02	-5.80E-05	1.69E-03	8.68E-05
1.38E+02	-1.48E-04	1.77E-03	1.38E-04
1.38E+02	-1.96E-04	1.83E-03	1.42E-04
1.38E+02	-2.38E-04	1.88E-03	2.06E-04
1.38E+02	-2.94E-04	1.92E-03	3.12E-04
1.38E+02	-3.12E-04	1.88E-03	3.33E-04
1.38E+02	-3.54E-04	1.81E-03	2.66E-04
1.38E+02	-4.48E-04	1.68E-03	9.71E-05
1.38E+02	-5.42E-04	1.56E-03	-9.54E-06
1.38E+02	-6.32E-04	1.50E-03	4.88E-05
1.38E+02	-7.04E-04	1.43E-03	1.27E-04
1.38E+02	-7.88E-04	1.38E-03	2.55E-04
1.38E+02	-8.87E-04	1.38E-03	4.08E-04
1.38E+02	-9.27E-04	1.40E-03	4.96E-04
1.38E+02	-9.63E-04	1.45E-03	5.87E-04
1.38E+02	-1.01E-03	1.49E-03	6.11E-04
1.38E+02	-1.00E-03	1.55E-03	6.03E-04
1.38E+02	-9.53E-04	1.65E-03	6.63E-04
1.38E+02	-8.53E-04	1.74E-03	6.93E-04

1.38E+02	-7.52E-04	1.81E-03	7.22E-04
1.38E+02	-6.82E-04	1.88E-03	7.39E-04
1.38E+02	-5.70E-04	1.91E-03	6.48E-04
1.38E+02	-4.48E-04	1.94E-03	5.23E-04
1.38E+02	-3.68E-04	1.93E-03	3.46E-04
1.38E+02	-2.78E-04	1.88E-03	1.12E-04
1.38E+02	-1.59E-04	1.88E-03	-3.51E-05
1.38E+02	-3.11E-05	1.86E-03	-1.52E-04
1.38E+02	5.68E-05	1.80E-03	-3.07E-04
1.38E+02	1.03E-04	1.74E-03	-4.45E-04
1.38E+02	1.77E-04	1.68E-03	-5.70E-04
1.38E+02	2.73E-04	1.63E-03	-6.19E-04
1.38E+02	3.46E-04	1.55E-03	-6.55E-04
1.38E+02	4.27E-04	1.44E-03	-6.82E-04
1.38E+02	5.12E-04	1.36E-03	-5.61E-04
1.38E+02	5.94E-04	1.27E-03	-4.20E-04
1.38E+02	6.47E-04	1.17E-03	-2.92E-04
1.38E+02	6.13E-04	1.05E-03	-1.18E-04
1.38E+02	5.67E-04	9.14E-04	1.43E-05
1.38E+02	5.14E-04	7.97E-04	1.36E-04
1.38E+02	3.84E-04	6.68E-04	1.92E-04
1.38E+02	2.32E-04	5.38E-04	1.46E-04
1.38E+02	9.29E-05	4.40E-04	1.23E-04
1.38E+02	-2.69E-05	3.56E-04	8.77E-05
1.38E+02	-1.34E-04	2.42E-04	4.58E-05
1.38E+02	-2.56E-04	1.03E-04	7.40E-05
1.38E+02	-3.35E-04	-4.73E-05	8.87E-05
1.38E+02	-3.54E-04	-2.10E-04	5.65E-05
1.38E+02	-3.83E-04	-3.88E-04	-1.41E-05
1.38E+02	-3.90E-04	-5.71E-04	-1.38E-04
1.38E+02	-3.52E-04	-7.02E-04	-2.21E-04
1.38E+02	-2.89E-04	-7.54E-04	-2.83E-04
1.38E+02	-2.01E-04	-7.59E-04	-3.77E-04
1.38E+02	-1.47E-04	-7.24E-04	-3.72E-04
1.38E+02	-9.57E-05	-6.68E-04	-3.08E-04
1.38E+02	-9.16E-06	-6.25E-04	-2.63E-04
1.38E+02	2.99E-05	-6.29E-04	-2.41E-04
1.38E+02	3.13E-05	-6.90E-04	-2.91E-04
1.38E+02	4.69E-05	-7.48E-04	-2.86E-04
1.38E+02	6.07E-05	-8.10E-04	-2.57E-04
1.38E+02	7.65E-05	-8.89E-04	-3.10E-04
1.38E+02	6.79E-05	-9.31E-04	-3.27E-04
1.38E+02	5.05E-05	-9.36E-04	-3.62E-04
1.38E+02	5.42E-05	-9.02E-04	-4.22E-04
1.38E+02	7.25E-06	-8.42E-04	-4.51E-04
1.38E+02	-7.17E-05	-8.03E-04	-5.40E-04
1.38E+02	-1.31E-04	-7.53E-04	-5.59E-04

1.38E+02	-1.88E-04	-6.75E-04	-4.62E-04
1.38E+02	-2.26E-04	-6.30E-04	-3.97E-04
1.38E+02	-2.91E-04	-6.17E-04	-3.28E-04
1.38E+02	-3.73E-04	-6.13E-04	-2.90E-04
1.38E+02	-3.87E-04	-6.31E-04	-3.25E-04
1.38E+02	-4.04E-04	-6.72E-04	-3.50E-04
1.38E+02	-4.41E-04	-7.54E-04	-4.17E-04
1.38E+02	-4.59E-04	-8.31E-04	-4.70E-04
1.38E+02	-4.84E-04	-8.77E-04	-4.17E-04
1.38E+02	-4.90E-04	-9.38E-04	-3.46E-04
1.38E+02	-5.46E-04	-9.98E-04	-2.78E-04
1.38E+02	-6.76E-04	-1.07E-03	-2.71E-04
1.38E+02	-7.77E-04	-1.12E-03	-3.12E-04
1.38E+02	-8.95E-04	-1.15E-03	-3.12E-04
1.38E+02	-1.04E-03	-1.21E-03	-3.61E-04
1.38E+02	-1.14E-03	-1.28E-03	-4.13E-04
1.38E+02	-1.19E-03	-1.34E-03	-3.67E-04
1.38E+02	-1.22E-03	-1.43E-03	-3.36E-04
1.38E+02	-1.27E-03	-1.55E-03	-3.13E-04
1.38E+02	-1.34E-03	-1.66E-03	-2.40E-04
1.38E+02	-1.35E-03	-1.77E-03	-1.79E-04
1.38E+02	-1.37E-03	-1.87E-03	-1.40E-04
1.38E+02	-1.43E-03	-1.96E-03	-1.80E-04
1.38E+02	-1.47E-03	-2.03E-03	-2.81E-04
1.38E+02	-1.52E-03	-2.06E-03	-3.44E-04
1.38E+02	-1.55E-03	-2.07E-03	-4.33E-04
1.38E+02	-1.60E-03	-2.11E-03	-5.20E-04
1.38E+02	-1.69E-03	-2.14E-03	-5.33E-04
1.38E+02	-1.75E-03	-2.15E-03	-5.28E-04
1.38E+02	-1.81E-03	-2.15E-03	-5.28E-04
1.38E+02	-1.93E-03	-2.17E-03	-6.00E-04
1.38E+02	-2.01E-03	-2.21E-03	-7.41E-04
1.38E+02	-2.08E-03	-2.22E-03	-8.06E-04
1.38E+02	-2.12E-03	-2.21E-03	-8.16E-04
1.38E+02	-2.17E-03	-2.22E-03	-8.14E-04
1.38E+02	-2.27E-03	-2.21E-03	-7.35E-04
1.38E+02	-2.32E-03	-2.17E-03	-6.15E-04
1.38E+02	-2.35E-03	-2.13E-03	-4.79E-04
1.38E+02	-2.41E-03	-2.11E-03	-3.85E-04
1.38E+02	-2.49E-03	-2.10E-03	-3.47E-04
1.38E+02	-2.55E-03	-2.02E-03	-2.51E-04
1.38E+02	-2.59E-03	-1.88E-03	-2.08E-04
1.38E+02	-2.61E-03	-1.71E-03	-2.75E-04
1.38E+02	-2.65E-03	-1.49E-03	-3.59E-04
1.38E+02	-2.66E-03	-1.21E-03	-4.62E-04
1.38E+02	-2.59E-03	-8.68E-04	-5.42E-04
1.38E+02	-2.54E-03	-5.27E-04	-6.78E-04

1.38E+02	-2.49E-03	-2.33E-04	-8.88E-04
1.38E+02	-2.37E-03	6.73E-05	-9.78E-04
1.38E+02	-2.23E-03	3.41E-04	-9.46E-04
1.38E+02	-2.09E-03	5.33E-04	-8.41E-04
1.38E+02	-2.00E-03	6.79E-04	-6.54E-04
1.38E+02	-1.91E-03	7.88E-04	-4.78E-04
1.38E+02	-1.78E-03	8.74E-04	-3.50E-04
1.38E+02	-1.69E-03	9.58E-04	-2.68E-04
1.38E+02	-1.61E-03	1.02E-03	-2.58E-04
1.38E+02	-1.50E-03	1.10E-03	-2.14E-04
1.38E+02	-1.36E-03	1.20E-03	-1.40E-04
1.38E+02	-1.20E-03	1.26E-03	-1.50E-04
1.38E+02	-1.08E-03	1.28E-03	-1.42E-04
1.38E+02	-9.72E-04	1.29E-03	-9.40E-05
1.38E+02	-8.46E-04	1.30E-03	-5.61E-05
1.38E+02	-7.79E-04	1.30E-03	-1.75E-05
1.38E+02	-7.70E-04	1.28E-03	-7.63E-05
1.38E+02	-7.33E-04	1.28E-03	-1.56E-04
1.38E+02	-6.64E-04	1.31E-03	-1.47E-04
1.38E+02	-5.90E-04	1.34E-03	-1.38E-04
1.38E+02	-5.29E-04	1.35E-03	-1.12E-04
1.38E+02	-4.87E-04	1.36E-03	-7.82E-05
1.38E+02	-4.10E-04	1.35E-03	-4.63E-05
1.38E+02	-3.34E-04	1.36E-03	6.98E-05
1.38E+02	-3.37E-04	1.33E-03	1.91E-04
1.38E+02	-3.55E-04	1.28E-03	3.17E-04
1.38E+02	-3.66E-04	1.24E-03	4.88E-04
1.38E+02	-4.14E-04	1.14E-03	5.92E-04
1.38E+02	-5.04E-04	1.02E-03	6.74E-04
1.38E+02	-6.04E-04	9.21E-04	7.50E-04
1.38E+02	-6.49E-04	8.68E-04	7.53E-04
1.38E+02	-6.92E-04	8.74E-04	7.19E-04
1.38E+02	-7.72E-04	8.76E-04	5.96E-04
1.38E+02	-8.21E-04	8.81E-04	4.59E-04
1.38E+02	-8.63E-04	9.47E-04	3.75E-04
1.38E+02	-8.90E-04	1.02E-03	1.94E-04
1.38E+02	-9.09E-04	1.06E-03	-1.89E-05
1.38E+02	-9.47E-04	1.10E-03	-1.81E-04
1.38E+02	-8.90E-04	1.13E-03	-3.10E-04
1.38E+02	-7.79E-04	1.12E-03	-3.76E-04
1.38E+02	-6.48E-04	1.04E-03	-3.94E-04
1.38E+02	-4.24E-04	9.19E-04	-2.80E-04
1.38E+02	-1.65E-04	7.64E-04	-1.28E-05
1.38E+02	1.25E-04	5.44E-04	2.24E-04
1.38E+02	4.08E-04	2.78E-04	4.02E-04
1.38E+02	6.24E-04	3.36E-05	5.32E-04
1.38E+02	8.43E-04	-1.59E-04	5.70E-04

1.38E+02	1.04E-03	-2.81E-04	6.25E-04
1.38E+02	1.15E-03	-3.71E-04	6.80E-04
1.38E+02	1.23E-03	-4.59E-04	7.22E-04
1.38E+02	1.25E-03	-5.34E-04	7.98E-04
1.38E+02	1.20E-03	-6.46E-04	7.85E-04
1.38E+02	1.09E-03	-8.01E-04	7.50E-04
1.38E+02	9.18E-04	-9.60E-04	7.77E-04
1.38E+02	7.89E-04	-1.10E-03	8.01E-04
1.38E+02	7.22E-04	-1.18E-03	8.74E-04
1.38E+02	6.62E-04	-1.23E-03	9.61E-04
1.38E+02	6.44E-04	-1.24E-03	1.01E-03
1.38E+02	6.83E-04	-1.21E-03	1.10E-03
1.38E+02	7.63E-04	-1.17E-03	1.17E-03
1.38E+02	8.48E-04	-1.17E-03	1.14E-03
1.38E+02	8.82E-04	-1.18E-03	1.08E-03
1.38E+02	9.10E-04	-1.18E-03	9.73E-04
1.38E+02	9.45E-04	-1.15E-03	8.59E-04
1.38E+02	9.30E-04	-1.10E-03	7.94E-04
1.38E+02	9.01E-04	-1.04E-03	7.35E-04
1.38E+02	8.97E-04	-9.69E-04	7.37E-04
1.38E+02	9.03E-04	-8.92E-04	7.47E-04
1.39E+02	8.90E-04	-8.54E-04	6.43E-04
1.39E+02	8.45E-04	-8.46E-04	4.86E-04
1.39E+02	8.33E-04	-8.31E-04	3.24E-04
1.39E+02	8.76E-04	-8.43E-04	1.78E-04
1.39E+02	9.19E-04	-9.10E-04	5.72E-05
1.39E+02	9.77E-04	-1.02E-03	-8.45E-05
1.39E+02	1.07E-03	-1.13E-03	-1.60E-04
1.39E+02	1.20E-03	-1.23E-03	-1.55E-04
1.39E+02	1.32E-03	-1.36E-03	-1.40E-04
1.39E+02	1.40E-03	-1.51E-03	-5.80E-05
1.39E+02	1.45E-03	-1.64E-03	8.24E-05
1.39E+02	1.51E-03	-1.77E-03	2.24E-04
1.39E+02	1.52E-03	-1.88E-03	3.14E-04
1.39E+02	1.48E-03	-2.02E-03	2.75E-04
1.39E+02	1.49E-03	-2.13E-03	2.21E-04
1.39E+02	1.50E-03	-2.20E-03	2.26E-04
1.39E+02	1.49E-03	-2.28E-03	2.03E-04
1.39E+02	1.43E-03	-2.34E-03	2.06E-04
1.39E+02	1.35E-03	-2.37E-03	2.39E-04
1.39E+02	1.29E-03	-2.36E-03	2.78E-04
1.39E+02	1.19E-03	-2.28E-03	3.17E-04
1.39E+02	1.05E-03	-2.20E-03	2.58E-04
1.39E+02	9.44E-04	-2.06E-03	2.19E-04
1.39E+02	8.65E-04	-1.86E-03	2.29E-04
1.39E+02	8.49E-04	-1.67E-03	2.07E-04
1.39E+02	8.86E-04	-1.48E-03	2.68E-04

1.39E+02	9.38E-04	-1.30E-03	3.96E-04
1.39E+02	1.06E-03	-1.15E-03	5.07E-04
1.39E+02	1.17E-03	-1.02E-03	5.36E-04
1.39E+02	1.23E-03	-9.72E-04	3.98E-04
1.39E+02	1.30E-03	-9.45E-04	2.38E-04
1.39E+02	1.34E-03	-8.90E-04	1.33E-04
1.39E+02	1.38E-03	-8.62E-04	-4.77E-05
1.39E+02	1.35E-03	-8.48E-04	-2.48E-04
1.39E+02	1.26E-03	-8.45E-04	-4.00E-04
1.39E+02	1.20E-03	-8.59E-04	-5.31E-04
1.39E+02	1.12E-03	-8.97E-04	-5.97E-04
1.39E+02	1.02E-03	-1.02E-03	-6.64E-04
1.39E+02	9.40E-04	-1.18E-03	-7.18E-04
1.39E+02	8.78E-04	-1.32E-03	-6.78E-04
1.39E+02	8.91E-04	-1.46E-03	-6.55E-04
1.39E+02	9.22E-04	-1.59E-03	-6.83E-04
1.39E+02	9.24E-04	-1.70E-03	-7.27E-04
1.39E+02	1.01E-03	-1.76E-03	-7.36E-04
1.39E+02	1.13E-03	-1.78E-03	-6.58E-04
1.39E+02	1.24E-03	-1.82E-03	-5.90E-04
1.39E+02	1.38E-03	-1.88E-03	-4.91E-04
1.39E+02	1.51E-03	-1.91E-03	-2.73E-04
1.39E+02	1.62E-03	-1.96E-03	-9.69E-05
1.39E+02	1.64E-03	-2.02E-03	-1.11E-05
1.39E+02	1.54E-03	-2.07E-03	2.54E-05
1.39E+02	1.44E-03	-2.07E-03	-2.00E-05
1.39E+02	1.32E-03	-1.99E-03	-5.80E-05
1.39E+02	1.15E-03	-1.87E-03	-9.96E-05
1.39E+02	9.86E-04	-1.76E-03	-1.70E-04
1.39E+02	8.53E-04	-1.62E-03	-1.68E-04
1.39E+02	7.75E-04	-1.49E-03	-1.80E-04
1.39E+02	7.28E-04	-1.39E-03	-2.27E-04
1.39E+02	6.82E-04	-1.29E-03	-2.41E-04
1.39E+02	7.06E-04	-1.19E-03	-2.85E-04
1.39E+02	7.85E-04	-1.06E-03	-2.99E-04
1.39E+02	8.32E-04	-9.62E-04	-3.02E-04
1.39E+02	8.92E-04	-9.20E-04	-3.50E-04
1.39E+02	9.87E-04	-8.80E-04	-3.15E-04
1.39E+02	1.08E-03	-8.63E-04	-2.71E-04
1.39E+02	1.17E-03	-8.88E-04	-2.86E-04
1.39E+02	1.19E-03	-9.06E-04	-2.68E-04
1.39E+02	1.24E-03	-9.16E-04	-2.59E-04
1.39E+02	1.32E-03	-9.12E-04	-2.11E-04
1.39E+02	1.32E-03	-8.98E-04	-1.45E-04
1.39E+02	1.31E-03	-9.02E-04	-1.29E-04
1.39E+02	1.28E-03	-8.65E-04	-3.03E-05
1.39E+02	1.22E-03	-8.02E-04	8.51E-05

1.39E+02	1.18E-03	-7.64E-04	1.46E-04
1.39E+02	1.11E-03	-7.13E-04	2.40E-04
1.39E+02	1.07E-03	-6.56E-04	3.38E-04
1.39E+02	1.10E-03	-5.84E-04	4.68E-04
1.39E+02	1.11E-03	-5.26E-04	5.47E-04
1.39E+02	1.14E-03	-5.28E-04	4.73E-04
1.39E+02	1.21E-03	-5.15E-04	4.04E-04
1.39E+02	1.29E-03	-4.74E-04	3.29E-04
1.39E+02	1.38E-03	-4.42E-04	2.17E-04
1.39E+02	1.42E-03	-3.81E-04	1.65E-04
1.39E+02	1.45E-03	-3.02E-04	7.04E-05
1.39E+02	1.52E-03	-1.87E-04	-4.25E-05
1.39E+02	1.51E-03	-4.06E-05	-1.24E-04
1.39E+02	1.46E-03	8.93E-05	-2.33E-04
1.39E+02	1.42E-03	2.58E-04	-2.33E-04
1.39E+02	1.34E-03	4.53E-04	-1.53E-04
1.39E+02	1.28E-03	6.13E-04	-1.13E-04
1.39E+02	1.16E-03	7.56E-04	-2.52E-05
1.39E+02	9.91E-04	8.44E-04	7.10E-05
1.39E+02	8.77E-04	8.82E-04	1.51E-04
1.39E+02	7.53E-04	8.91E-04	2.57E-04
1.39E+02	6.21E-04	8.21E-04	2.91E-04
1.39E+02	5.36E-04	7.17E-04	3.28E-04
1.39E+02	4.73E-04	6.36E-04	4.25E-04
1.39E+02	4.46E-04	5.42E-04	4.41E-04
1.39E+02	3.76E-04	4.36E-04	3.84E-04
1.39E+02	2.56E-04	3.11E-04	2.29E-04
1.39E+02	1.77E-04	1.76E-04	-4.04E-05
1.39E+02	5.53E-05	4.54E-05	-2.84E-04
1.39E+02	-1.14E-04	-8.77E-05	-4.93E-04
1.39E+02	-2.94E-04	-2.07E-04	-6.51E-04
1.39E+02	-4.85E-04	-3.01E-04	-7.08E-04
1.39E+02	-6.23E-04	-3.86E-04	-7.75E-04
1.39E+02	-7.64E-04	-4.46E-04	-8.27E-04
1.39E+02	-9.12E-04	-4.51E-04	-8.29E-04
1.39E+02	-9.69E-04	-3.95E-04	-8.66E-04
1.39E+02	-1.00E-03	-2.77E-04	-8.93E-04
1.39E+02	-1.07E-03	-1.80E-04	-9.79E-04
1.39E+02	-1.10E-03	-1.22E-04	-1.09E-03
1.39E+02	-1.10E-03	-4.90E-05	-1.05E-03
1.39E+02	-1.08E-03	1.14E-06	-9.59E-04
1.39E+02	-1.07E-03	5.05E-05	-8.55E-04
1.39E+02	-1.08E-03	1.26E-04	-7.27E-04
1.39E+02	-1.06E-03	2.19E-04	-6.36E-04
1.39E+02	-1.02E-03	3.76E-04	-5.19E-04
1.39E+02	-1.02E-03	5.58E-04	-4.51E-04
1.39E+02	-1.02E-03	7.49E-04	-4.58E-04

1.39E+02	-1.05E-03	9.74E-04	-4.06E-04
1.39E+02	-1.10E-03	1.16E-03	-3.85E-04
1.39E+02	-1.17E-03	1.28E-03	-3.93E-04
1.39E+02	-1.31E-03	1.36E-03	-3.37E-04
1.39E+02	-1.43E-03	1.40E-03	-2.97E-04
1.39E+02	-1.51E-03	1.41E-03	-2.55E-04
1.39E+02	-1.62E-03	1.35E-03	-2.68E-04
1.39E+02	-1.69E-03	1.22E-03	-3.37E-04
1.39E+02	-1.69E-03	1.08E-03	-2.67E-04
1.39E+02	-1.64E-03	9.29E-04	-1.57E-04
1.39E+02	-1.56E-03	7.50E-04	-6.69E-05
1.39E+02	-1.51E-03	5.61E-04	6.16E-05
1.39E+02	-1.40E-03	3.84E-04	1.49E-04
1.39E+02	-1.21E-03	2.43E-04	2.34E-04
1.39E+02	-1.08E-03	8.74E-05	2.73E-04
1.39E+02	-9.45E-04	-9.46E-05	2.33E-04
1.39E+02	-7.99E-04	-2.38E-04	2.90E-04
1.39E+02	-6.45E-04	-3.43E-04	3.81E-04
1.39E+02	-4.69E-04	-4.37E-04	4.25E-04
1.39E+02	-3.48E-04	-4.92E-04	5.11E-04
1.39E+02	-2.41E-04	-5.27E-04	5.72E-04
1.39E+02	-1.16E-04	-5.52E-04	5.97E-04
1.39E+02	-3.99E-05	-5.84E-04	5.75E-04
1.39E+02	3.03E-05	-6.54E-04	4.92E-04
1.39E+02	1.10E-04	-6.79E-04	5.31E-04
1.39E+02	1.63E-04	-6.64E-04	6.20E-04
1.39E+02	1.73E-04	-6.82E-04	6.29E-04
1.39E+02	7.13E-05	-7.05E-04	6.59E-04
1.39E+02	-7.71E-05	-7.26E-04	6.62E-04
1.39E+02	-2.14E-04	-7.54E-04	5.91E-04
1.39E+02	-4.09E-04	-7.80E-04	4.71E-04
1.39E+02	-6.18E-04	-7.94E-04	2.80E-04
1.39E+02	-8.00E-04	-7.47E-04	1.26E-04
1.39E+02	-9.53E-04	-6.47E-04	5.15E-05
1.39E+02	-1.06E-03	-5.65E-04	-1.24E-05
1.39E+02	-1.21E-03	-4.99E-04	4.37E-05
1.39E+02	-1.39E-03	-4.57E-04	2.05E-04
1.39E+02	-1.54E-03	-4.58E-04	3.64E-04
1.39E+02	-1.71E-03	-4.94E-04	5.17E-04
1.39E+02	-1.89E-03	-5.97E-04	5.50E-04
1.39E+02	-2.00E-03	-7.27E-04	5.01E-04
1.39E+02	-2.07E-03	-8.42E-04	4.57E-04
1.39E+02	-2.09E-03	-9.70E-04	3.36E-04
1.39E+02	-2.10E-03	-1.07E-03	2.06E-04
1.39E+02	-2.11E-03	-1.12E-03	1.18E-04
1.39E+02	-2.02E-03	-1.16E-03	6.07E-05
1.39E+02	-1.90E-03	-1.19E-03	8.75E-05

1.39E+02	-1.78E-03	-1.24E-03	1.50E-04
1.39E+02	-1.63E-03	-1.30E-03	2.66E-04
1.39E+02	-1.44E-03	-1.32E-03	4.34E-04
1.39E+02	-1.24E-03	-1.35E-03	5.13E-04
1.39E+02	-1.07E-03	-1.37E-03	5.61E-04
1.39E+02	-9.58E-04	-1.35E-03	6.40E-04
1.39E+02	-8.36E-04	-1.31E-03	7.01E-04
1.39E+02	-7.54E-04	-1.27E-03	7.52E-04
1.39E+02	-7.48E-04	-1.27E-03	7.45E-04
1.39E+02	-7.35E-04	-1.32E-03	7.54E-04
1.39E+02	-7.47E-04	-1.40E-03	8.73E-04
1.39E+02	-7.83E-04	-1.52E-03	1.00E-03
1.39E+02	-8.65E-04	-1.64E-03	1.12E-03
1.39E+02	-1.01E-03	-1.74E-03	1.22E-03
1.39E+02	-1.11E-03	-1.81E-03	1.22E-03
1.39E+02	-1.21E-03	-1.87E-03	1.17E-03
1.39E+02	-1.34E-03	-1.94E-03	1.05E-03
1.39E+02	-1.43E-03	-2.00E-03	9.11E-04
1.39E+02	-1.48E-03	-2.03E-03	8.71E-04
1.39E+02	-1.49E-03	-2.06E-03	7.62E-04
1.39E+02	-1.48E-03	-2.13E-03	5.63E-04
1.39E+02	-1.48E-03	-2.18E-03	4.30E-04
1.39E+02	-1.45E-03	-2.20E-03	3.68E-04
1.39E+02	-1.39E-03	-2.18E-03	3.94E-04
1.39E+02	-1.36E-03	-2.16E-03	3.85E-04
1.39E+02	-1.31E-03	-2.13E-03	3.11E-04
1.39E+02	-1.25E-03	-2.07E-03	3.50E-04
1.39E+02	-1.17E-03	-2.02E-03	4.33E-04
1.39E+02	-1.09E-03	-2.03E-03	5.02E-04
1.39E+02	-1.07E-03	-2.06E-03	6.29E-04
1.39E+02	-1.02E-03	-2.10E-03	7.80E-04
1.39E+02	-9.89E-04	-2.16E-03	9.43E-04
1.39E+02	-1.04E-03	-2.25E-03	1.07E-03
1.40E+02	-1.09E-03	-2.35E-03	1.13E-03
1.40E+02	-1.15E-03	-2.40E-03	1.20E-03
1.40E+02	-1.21E-03	-2.40E-03	1.25E-03
1.40E+02	-1.25E-03	-2.37E-03	1.21E-03
1.40E+02	-1.30E-03	-2.31E-03	1.20E-03
1.40E+02	-1.27E-03	-2.18E-03	1.22E-03
1.40E+02	-1.17E-03	-2.03E-03	1.30E-03
1.40E+02	-1.07E-03	-1.90E-03	1.39E-03
1.40E+02	-9.50E-04	-1.84E-03	1.44E-03
1.40E+02	-8.12E-04	-1.81E-03	1.53E-03
1.40E+02	-6.79E-04	-1.79E-03	1.60E-03
1.40E+02	-5.54E-04	-1.81E-03	1.56E-03
1.40E+02	-5.08E-04	-1.84E-03	1.51E-03
1.40E+02	-4.90E-04	-1.85E-03	1.44E-03

1.40E+02	-4.55E-04	-1.87E-03	1.35E-03
1.40E+02	-4.76E-04	-1.88E-03	1.29E-03
1.40E+02	-5.32E-04	-1.92E-03	1.20E-03
1.40E+02	-5.84E-04	-1.98E-03	1.14E-03
1.40E+02	-6.23E-04	-2.04E-03	1.14E-03
1.40E+02	-6.40E-04	-2.13E-03	1.12E-03
1.40E+02	-6.71E-04	-2.25E-03	1.10E-03
1.40E+02	-6.85E-04	-2.35E-03	1.05E-03
1.40E+02	-6.22E-04	-2.43E-03	9.20E-04
1.40E+02	-5.28E-04	-2.48E-03	8.13E-04
1.40E+02	-3.99E-04	-2.54E-03	7.55E-04
1.40E+02	-1.87E-04	-2.59E-03	8.12E-04
1.40E+02	9.48E-05	-2.62E-03	9.96E-04
1.40E+02	4.04E-04	-2.69E-03	1.19E-03
1.40E+02	6.63E-04	-2.81E-03	1.36E-03
1.40E+02	8.82E-04	-2.96E-03	1.50E-03
1.40E+02	1.10E-03	-3.13E-03	1.57E-03
1.40E+02	1.24E-03	-3.32E-03	1.58E-03
1.40E+02	1.27E-03	-3.52E-03	1.45E-03
1.40E+02	1.26E-03	-3.71E-03	1.26E-03
1.40E+02	1.20E-03	-3.82E-03	1.12E-03
1.40E+02	1.12E-03	-3.89E-03	9.58E-04
1.40E+02	9.78E-04	-3.94E-03	8.28E-04
1.40E+02	8.07E-04	-3.98E-03	7.82E-04
1.40E+02	6.73E-04	-4.00E-03	7.94E-04
1.40E+02	5.23E-04	-4.02E-03	8.32E-04
1.40E+02	3.43E-04	-4.06E-03	7.70E-04
1.40E+02	2.00E-04	-4.13E-03	6.54E-04
1.40E+02	1.05E-04	-4.17E-03	5.97E-04
1.40E+02	5.38E-05	-4.20E-03	5.47E-04
1.40E+02	1.93E-05	-4.25E-03	5.21E-04
1.40E+02	-4.77E-06	-4.26E-03	5.42E-04
1.40E+02	4.90E-05	-4.24E-03	5.91E-04
1.40E+02	1.36E-04	-4.21E-03	6.57E-04
1.40E+02	1.87E-04	-4.20E-03	6.44E-04
1.40E+02	2.47E-04	-4.18E-03	5.49E-04
1.40E+02	3.11E-04	-4.10E-03	4.57E-04
1.40E+02	3.93E-04	-3.96E-03	3.49E-04
1.40E+02	4.76E-04	-3.81E-03	2.34E-04
1.40E+02	5.20E-04	-3.67E-03	1.82E-04
1.40E+02	5.97E-04	-3.52E-03	1.99E-04
1.40E+02	6.87E-04	-3.39E-03	2.56E-04
1.40E+02	7.40E-04	-3.32E-03	2.52E-04
1.40E+02	8.02E-04	-3.32E-03	1.95E-04
1.40E+02	8.83E-04	-3.31E-03	2.37E-04
1.40E+02	9.85E-04	-3.28E-03	2.92E-04
1.40E+02	1.06E-03	-3.26E-03	2.98E-04

1.40E+02	1.10E-03	-3.23E-03	3.19E-04
1.40E+02	1.16E-03	-3.22E-03	3.22E-04
1.40E+02	1.22E-03	-3.22E-03	3.71E-04
1.40E+02	1.25E-03	-3.26E-03	4.76E-04
1.40E+02	1.27E-03	-3.32E-03	5.96E-04
1.40E+02	1.30E-03	-3.35E-03	7.98E-04
1.40E+02	1.33E-03	-3.37E-03	9.57E-04
1.40E+02	1.33E-03	-3.39E-03	9.61E-04
1.40E+02	1.26E-03	-3.41E-03	8.51E-04
1.40E+02	1.17E-03	-3.43E-03	6.06E-04
1.40E+02	1.08E-03	-3.41E-03	3.35E-04
1.40E+02	9.33E-04	-3.39E-03	9.04E-05
1.40E+02	7.80E-04	-3.40E-03	-1.75E-04
1.40E+02	6.94E-04	-3.40E-03	-3.21E-04
1.40E+02	6.37E-04	-3.42E-03	-3.43E-04
1.40E+02	5.87E-04	-3.48E-03	-3.35E-04
1.40E+02	5.05E-04	-3.58E-03	-2.96E-04
1.40E+02	4.18E-04	-3.68E-03	-2.85E-04
1.40E+02	3.80E-04	-3.74E-03	-2.98E-04
1.40E+02	3.19E-04	-3.76E-03	-3.23E-04
1.40E+02	2.51E-04	-3.76E-03	-4.06E-04
1.40E+02	2.35E-04	-3.69E-03	-4.31E-04
1.40E+02	2.75E-04	-3.56E-03	-3.67E-04
1.40E+02	3.72E-04	-3.44E-03	-3.17E-04
1.40E+02	4.70E-04	-3.36E-03	-2.41E-04
1.40E+02	6.01E-04	-3.30E-03	-1.44E-04
1.40E+02	7.88E-04	-3.23E-03	-6.29E-05
1.40E+02	9.19E-04	-3.19E-03	-6.48E-06
1.40E+02	9.94E-04	-3.20E-03	-1.98E-05
1.40E+02	1.06E-03	-3.22E-03	2.00E-05
1.40E+02	1.08E-03	-3.22E-03	1.59E-04
1.40E+02	1.05E-03	-3.24E-03	2.70E-04
1.40E+02	9.36E-04	-3.27E-03	3.55E-04
1.40E+02	7.85E-04	-3.28E-03	4.09E-04
1.40E+02	6.63E-04	-3.25E-03	4.40E-04
1.40E+02	5.06E-04	-3.22E-03	4.64E-04
1.40E+02	3.10E-04	-3.19E-03	3.73E-04
1.40E+02	9.98E-05	-3.14E-03	2.29E-04
1.40E+02	-1.22E-04	-3.05E-03	1.37E-04
1.40E+02	-3.08E-04	-2.94E-03	2.56E-05
1.40E+02	-5.11E-04	-2.86E-03	-9.21E-05
1.40E+02	-7.11E-04	-2.79E-03	-1.68E-04
1.40E+02	-8.15E-04	-2.70E-03	-1.67E-04
1.40E+02	-8.77E-04	-2.58E-03	-9.69E-05
1.40E+02	-9.04E-04	-2.48E-03	-5.72E-05
1.40E+02	-8.80E-04	-2.43E-03	-2.78E-05
1.40E+02	-8.01E-04	-2.34E-03	2.80E-05

1.40E+02	-6.61E-04	-2.24E-03	-7.06E-06
1.40E+02	-5.48E-04	-2.23E-03	-1.60E-04
1.40E+02	-4.36E-04	-2.25E-03	-3.08E-04
1.40E+02	-2.56E-04	-2.23E-03	-4.21E-04
1.40E+02	-7.74E-05	-2.22E-03	-5.41E-04
1.40E+02	8.30E-05	-2.20E-03	-6.79E-04
1.40E+02	2.39E-04	-2.13E-03	-7.89E-04
1.40E+02	3.88E-04	-2.01E-03	-7.60E-04
1.40E+02	5.69E-04	-1.84E-03	-6.53E-04
1.40E+02	6.98E-04	-1.71E-03	-5.27E-04
1.40E+02	7.35E-04	-1.56E-03	-3.52E-04
1.40E+02	7.82E-04	-1.41E-03	-1.91E-04
1.40E+02	8.21E-04	-1.33E-03	-2.10E-06
1.40E+02	7.76E-04	-1.25E-03	6.68E-05
1.40E+02	7.09E-04	-1.29E-03	-4.81E-05
1.40E+02	6.86E-04	-1.35E-03	-5.66E-05
1.40E+02	6.60E-04	-1.35E-03	-8.14E-05
1.40E+02	6.13E-04	-1.35E-03	-2.36E-04
1.40E+02	5.36E-04	-1.35E-03	-3.16E-04
1.40E+02	4.74E-04	-1.31E-03	-3.50E-04
1.40E+02	4.69E-04	-1.23E-03	-3.44E-04
1.40E+02	4.22E-04	-1.16E-03	-2.96E-04
1.40E+02	3.09E-04	-1.02E-03	-3.23E-04
1.40E+02	2.39E-04	-9.13E-04	-3.19E-04
1.40E+02	2.19E-04	-7.04E-04	-2.39E-04
1.40E+02	1.44E-04	-4.06E-04	-2.16E-04
1.40E+02	6.58E-05	-1.80E-04	-2.47E-04
1.40E+02	2.88E-05	9.84E-05	-2.72E-04
1.40E+02	2.38E-05	3.61E-04	-2.62E-04
1.40E+02	2.14E-05	6.03E-04	-3.57E-04
1.40E+02	-2.98E-05	8.25E-04	-5.83E-04
1.40E+02	-2.06E-05	1.03E-03	-6.89E-04
1.40E+02	3.81E-05	1.27E-03	-7.27E-04
1.40E+02	1.21E-04	1.48E-03	-7.76E-04
1.40E+02	2.20E-04	1.68E-03	-7.42E-04
1.40E+02	3.47E-04	1.84E-03	-7.09E-04
1.40E+02	5.78E-04	2.04E-03	-6.64E-04
1.40E+02	7.73E-04	2.17E-03	-6.14E-04
1.40E+02	9.61E-04	2.22E-03	-5.90E-04
1.40E+02	1.18E-03	2.29E-03	-5.33E-04
1.40E+02	1.36E-03	2.35E-03	-5.65E-04
1.40E+02	1.53E-03	2.36E-03	-7.12E-04
1.40E+02	1.60E-03	2.32E-03	-9.21E-04
1.40E+02	1.64E-03	2.27E-03	-1.12E-03
1.40E+02	1.69E-03	2.26E-03	-1.21E-03
1.40E+02	1.65E-03	2.26E-03	-1.21E-03
1.40E+02	1.53E-03	2.24E-03	-1.14E-03

1.40E+02	1.40E-03	2.26E-03	-1.01E-03
1.40E+02	1.28E-03	2.29E-03	-8.14E-04
1.40E+02	1.16E-03	2.35E-03	-5.75E-04
1.40E+02	9.88E-04	2.39E-03	-4.06E-04
1.40E+02	7.90E-04	2.41E-03	-3.17E-04
1.40E+02	6.52E-04	2.48E-03	-2.53E-04
1.40E+02	5.34E-04	2.54E-03	-2.40E-04
1.40E+02	4.22E-04	2.59E-03	-2.90E-04
1.40E+02	3.72E-04	2.67E-03	-2.87E-04
1.40E+02	3.87E-04	2.77E-03	-2.36E-04
1.40E+02	4.51E-04	2.86E-03	-2.66E-04
1.40E+02	4.92E-04	2.89E-03	-2.80E-04
1.40E+02	4.98E-04	2.90E-03	-2.49E-04
1.40E+02	5.31E-04	2.92E-03	-2.23E-04
1.40E+02	5.38E-04	2.96E-03	-1.57E-04
1.40E+02	4.72E-04	2.99E-03	-1.64E-04
1.40E+02	3.54E-04	3.03E-03	-2.23E-04
1.40E+02	2.23E-04	3.11E-03	-2.70E-04
1.40E+02	1.08E-04	3.22E-03	-3.69E-04
1.40E+02	-3.22E-05	3.32E-03	-4.83E-04
1.40E+02	-1.68E-04	3.41E-03	-5.70E-04
1.40E+02	-2.16E-04	3.47E-03	-5.63E-04
1.40E+02	-2.17E-04	3.52E-03	-4.71E-04
1.40E+02	-2.13E-04	3.52E-03	-4.09E-04
1.40E+02	-1.76E-04	3.50E-03	-3.02E-04
1.40E+02	-1.20E-04	3.46E-03	-1.05E-04
1.40E+02	-6.33E-05	3.41E-03	4.92E-05
1.40E+02	-3.11E-05	3.39E-03	1.26E-04
1.40E+02	-1.47E-05	3.40E-03	1.46E-04
1.40E+02	5.97E-05	3.47E-03	1.36E-04
1.40E+02	1.71E-04	3.57E-03	1.73E-04
1.40E+02	2.83E-04	3.65E-03	1.76E-04
1.40E+02	4.41E-04	3.69E-03	9.65E-05
1.40E+02	6.57E-04	3.72E-03	2.90E-05
1.40E+02	9.06E-04	3.72E-03	-4.79E-05
1.40E+02	1.13E-03	3.68E-03	-1.39E-04
1.40E+02	1.30E-03	3.63E-03	-2.30E-04
1.40E+02	1.46E-03	3.57E-03	-3.79E-04
1.40E+02	1.59E-03	3.54E-03	-5.48E-04
1.40E+02	1.62E-03	3.50E-03	-7.66E-04
1.40E+02	1.60E-03	3.48E-03	-9.98E-04
1.40E+02	1.53E-03	3.50E-03	-1.05E-03
1.40E+02	1.41E-03	3.53E-03	-9.83E-04
1.40E+02	1.26E-03	3.54E-03	-8.43E-04
1.40E+02	1.05E-03	3.58E-03	-6.01E-04
1.41E+02	8.92E-04	3.63E-03	-3.62E-04
1.41E+02	7.80E-04	3.74E-03	-1.19E-04

1.41E+02	6.59E-04	3.81E-03	8.30E-05
1.41E+02	6.06E-04	3.84E-03	2.11E-04
1.41E+02	6.39E-04	3.89E-03	3.98E-04
1.41E+02	7.31E-04	3.92E-03	5.89E-04
1.41E+02	8.47E-04	3.91E-03	7.17E-04
1.41E+02	9.19E-04	3.85E-03	8.08E-04
1.41E+02	9.81E-04	3.77E-03	8.11E-04
1.41E+02	1.05E-03	3.70E-03	7.71E-04
1.41E+02	1.06E-03	3.61E-03	7.00E-04
1.41E+02	1.03E-03	3.52E-03	5.74E-04
1.41E+02	1.01E-03	3.50E-03	5.06E-04
1.41E+02	9.96E-04	3.51E-03	4.42E-04
1.41E+02	9.81E-04	3.52E-03	3.03E-04
1.41E+02	9.61E-04	3.56E-03	1.63E-04
1.41E+02	9.46E-04	3.60E-03	2.67E-06
1.41E+02	9.73E-04	3.64E-03	-1.38E-04
1.41E+02	9.76E-04	3.68E-03	-2.25E-04
1.41E+02	9.49E-04	3.67E-03	-3.11E-04
1.41E+02	9.35E-04	3.68E-03	-2.89E-04
1.41E+02	9.07E-04	3.73E-03	-1.62E-04
1.41E+02	8.54E-04	3.78E-03	-2.96E-05
1.41E+02	7.50E-04	3.85E-03	1.51E-04
1.41E+02	6.41E-04	3.94E-03	3.66E-04
1.41E+02	6.07E-04	4.01E-03	5.93E-04
1.41E+02	5.81E-04	4.05E-03	8.33E-04
1.41E+02	5.28E-04	4.02E-03	9.74E-04
1.41E+02	4.88E-04	3.93E-03	1.04E-03
1.41E+02	4.47E-04	3.82E-03	1.07E-03
1.41E+02	4.03E-04	3.68E-03	9.67E-04
1.41E+02	3.11E-04	3.54E-03	7.85E-04
1.41E+02	1.96E-04	3.43E-03	5.95E-04
1.41E+02	1.42E-04	3.38E-03	4.56E-04
1.41E+02	8.81E-05	3.36E-03	4.40E-04
1.41E+02	4.29E-05	3.31E-03	4.88E-04
1.41E+02	4.41E-05	3.23E-03	5.62E-04
1.41E+02	6.81E-05	3.11E-03	6.53E-04
1.41E+02	1.32E-04	2.96E-03	6.52E-04
1.41E+02	1.75E-04	2.77E-03	5.62E-04
1.41E+02	2.09E-04	2.58E-03	4.59E-04
1.41E+02	3.07E-04	2.44E-03	3.60E-04
1.41E+02	4.00E-04	2.33E-03	3.28E-04
1.41E+02	4.36E-04	2.26E-03	2.98E-04
1.41E+02	4.54E-04	2.20E-03	2.38E-04
1.41E+02	4.51E-04	2.18E-03	2.73E-04
1.41E+02	4.10E-04	2.19E-03	3.31E-04
1.41E+02	3.21E-04	2.20E-03	3.72E-04
1.41E+02	1.90E-04	2.21E-03	4.55E-04

1.41E+02	9.44E-05	2.23E-03	5.62E-04
1.41E+02	2.59E-05	2.26E-03	6.92E-04
1.41E+02	-5.68E-05	2.25E-03	7.41E-04
1.41E+02	-8.43E-05	2.21E-03	6.70E-04
1.41E+02	-5.47E-05	2.15E-03	5.82E-04
1.41E+02	-1.41E-05	2.06E-03	4.09E-04
1.41E+02	1.68E-05	1.93E-03	1.42E-04
1.41E+02	2.25E-05	1.82E-03	-6.71E-05
1.41E+02	4.86E-05	1.70E-03	-1.96E-04
1.41E+02	6.87E-05	1.57E-03	-2.44E-04
1.41E+02	1.30E-05	1.40E-03	-2.15E-04
1.41E+02	-6.35E-05	1.20E-03	-1.57E-04
1.41E+02	-1.07E-04	1.06E-03	-5.78E-05
1.41E+02	-1.39E-04	9.14E-04	3.57E-05
1.41E+02	-1.63E-04	7.80E-04	6.14E-05
1.41E+02	-1.80E-04	6.92E-04	5.74E-05
1.41E+02	-1.67E-04	6.40E-04	8.58E-06
1.41E+02	-9.75E-05	6.75E-04	-8.83E-05
1.41E+02	-8.37E-05	6.53E-04	-1.60E-04
1.41E+02	-1.35E-04	5.85E-04	-2.44E-04
1.41E+02	-1.50E-04	5.75E-04	-3.03E-04
1.41E+02	-2.15E-04	5.61E-04	-2.77E-04
1.41E+02	-3.46E-04	5.79E-04	-3.27E-04
1.41E+02	-5.10E-04	5.97E-04	-4.09E-04
1.41E+02	-6.75E-04	6.82E-04	-3.92E-04
1.41E+02	-8.07E-04	8.26E-04	-3.47E-04
1.41E+02	-9.68E-04	9.28E-04	-2.77E-04
1.41E+02	-1.08E-03	1.07E-03	-2.07E-04
1.41E+02	-1.12E-03	1.22E-03	-1.38E-04
1.41E+02	-1.13E-03	1.34E-03	-1.09E-04
1.41E+02	-1.06E-03	1.43E-03	-2.24E-04
1.41E+02	-9.81E-04	1.48E-03	-3.72E-04
1.41E+02	-8.57E-04	1.55E-03	-5.45E-04
1.41E+02	-6.72E-04	1.61E-03	-7.10E-04
1.41E+02	-5.05E-04	1.71E-03	-8.05E-04
1.41E+02	-3.52E-04	1.74E-03	-9.26E-04
1.41E+02	-1.84E-04	1.74E-03	-9.58E-04
1.41E+02	-3.95E-05	1.71E-03	-9.38E-04
1.41E+02	3.68E-05	1.63E-03	-9.89E-04
1.41E+02	3.36E-05	1.51E-03	-1.09E-03
1.41E+02	-2.67E-06	1.40E-03	-1.25E-03
1.41E+02	-2.37E-05	1.35E-03	-1.36E-03
1.41E+02	-6.89E-05	1.35E-03	-1.43E-03
1.41E+02	-1.19E-04	1.32E-03	-1.49E-03
1.41E+02	-1.39E-04	1.33E-03	-1.44E-03
1.41E+02	-1.49E-04	1.36E-03	-1.29E-03
1.41E+02	-1.46E-04	1.33E-03	-1.19E-03

1.41E+02	-1.40E-04	1.26E-03	-1.11E-03
1.41E+02	-1.20E-04	1.20E-03	-9.69E-04
1.41E+02	-6.79E-05	1.17E-03	-8.81E-04
1.41E+02	-2.92E-05	1.17E-03	-8.54E-04
1.41E+02	-4.20E-06	1.20E-03	-8.73E-04
1.41E+02	4.23E-05	1.27E-03	-9.17E-04
1.41E+02	8.93E-05	1.37E-03	-9.32E-04
1.41E+02	1.26E-04	1.44E-03	-1.04E-03
1.41E+02	1.17E-04	1.45E-03	-1.21E-03
1.41E+02	5.13E-05	1.45E-03	-1.34E-03
1.41E+02	-1.72E-06	1.44E-03	-1.47E-03
1.41E+02	-8.74E-05	1.40E-03	-1.56E-03
1.41E+02	-2.43E-04	1.33E-03	-1.65E-03
1.41E+02	-3.99E-04	1.24E-03	-1.77E-03
1.41E+02	-5.50E-04	1.16E-03	-1.85E-03
1.41E+02	-6.94E-04	1.09E-03	-1.97E-03
1.41E+02	-8.39E-04	1.01E-03	-2.08E-03
1.41E+02	-9.84E-04	9.95E-04	-2.10E-03
1.41E+02	-1.06E-03	1.04E-03	-2.07E-03
1.41E+02	-1.12E-03	1.12E-03	-2.02E-03
1.41E+02	-1.20E-03	1.18E-03	-2.00E-03
1.41E+02	-1.22E-03	1.23E-03	-1.99E-03
1.41E+02	-1.20E-03	1.28E-03	-1.86E-03
1.41E+02	-1.17E-03	1.25E-03	-1.72E-03
1.41E+02	-1.15E-03	1.17E-03	-1.58E-03
1.41E+02	-1.16E-03	1.09E-03	-1.36E-03
1.41E+02	-1.13E-03	1.00E-03	-1.17E-03
1.41E+02	-1.06E-03	9.43E-04	-9.95E-04
1.41E+02	-1.02E-03	8.82E-04	-9.04E-04
1.41E+02	-9.74E-04	8.55E-04	-9.36E-04
1.41E+02	-8.99E-04	8.96E-04	-1.00E-03
1.41E+02	-8.15E-04	9.78E-04	-1.16E-03
1.41E+02	-7.25E-04	1.06E-03	-1.38E-03
1.41E+02	-7.07E-04	1.12E-03	-1.52E-03
1.41E+02	-6.86E-04	1.17E-03	-1.58E-03
1.41E+02	-6.43E-04	1.20E-03	-1.53E-03
1.41E+02	-6.72E-04	1.15E-03	-1.45E-03
1.41E+02	-6.82E-04	1.08E-03	-1.42E-03
1.41E+02	-6.55E-04	1.02E-03	-1.37E-03
1.41E+02	-6.10E-04	9.89E-04	-1.35E-03
1.41E+02	-5.50E-04	9.57E-04	-1.39E-03
1.41E+02	-5.35E-04	9.42E-04	-1.43E-03
1.41E+02	-4.96E-04	9.64E-04	-1.46E-03
1.41E+02	-4.25E-04	1.00E-03	-1.45E-03
1.41E+02	-4.06E-04	1.01E-03	-1.39E-03
1.41E+02	-3.94E-04	9.59E-04	-1.37E-03
1.41E+02	-3.41E-04	9.13E-04	-1.30E-03

1.41E+02	-2.73E-04	8.70E-04	-1.21E-03
1.41E+02	-1.85E-04	8.01E-04	-1.19E-03
1.41E+02	-8.83E-05	7.90E-04	-1.12E-03
1.41E+02	3.11E-05	8.31E-04	-1.03E-03
1.41E+02	2.06E-04	9.01E-04	-9.55E-04
1.41E+02	3.57E-04	9.93E-04	-8.45E-04
1.41E+02	5.01E-04	1.04E-03	-7.68E-04
1.41E+02	6.83E-04	1.07E-03	-6.30E-04
1.41E+02	8.45E-04	1.10E-03	-5.16E-04
1.41E+02	9.96E-04	1.09E-03	-5.64E-04
1.41E+02	1.09E-03	1.10E-03	-6.48E-04
1.41E+02	1.15E-03	1.17E-03	-7.45E-04
1.41E+02	1.25E-03	1.29E-03	-8.68E-04
1.41E+02	1.29E-03	1.45E-03	-9.98E-04
1.41E+02	1.29E-03	1.60E-03	-1.18E-03
1.41E+02	1.29E-03	1.78E-03	-1.32E-03
1.41E+02	1.27E-03	1.98E-03	-1.40E-03
1.41E+02	1.24E-03	2.13E-03	-1.58E-03
1.41E+02	1.19E-03	2.27E-03	-1.73E-03
1.41E+02	1.13E-03	2.43E-03	-1.80E-03
1.41E+02	1.14E-03	2.61E-03	-1.82E-03
1.41E+02	1.17E-03	2.82E-03	-1.78E-03
1.41E+02	1.20E-03	2.99E-03	-1.79E-03
1.41E+02	1.29E-03	3.13E-03	-1.77E-03
1.41E+02	1.40E-03	3.23E-03	-1.71E-03
1.41E+02	1.52E-03	3.26E-03	-1.75E-03
1.41E+02	1.65E-03	3.25E-03	-1.78E-03
1.41E+02	1.76E-03	3.22E-03	-1.75E-03
1.41E+02	1.90E-03	3.18E-03	-1.69E-03
1.41E+02	2.00E-03	3.12E-03	-1.61E-03
1.41E+02	2.00E-03	3.01E-03	-1.60E-03
1.41E+02	1.94E-03	2.89E-03	-1.59E-03
1.41E+02	1.82E-03	2.80E-03	-1.51E-03
1.41E+02	1.67E-03	2.70E-03	-1.46E-03
1.41E+02	1.47E-03	2.62E-03	-1.41E-03
1.41E+02	1.25E-03	2.59E-03	-1.37E-03
1.41E+02	1.10E-03	2.59E-03	-1.36E-03
1.41E+02	9.72E-04	2.62E-03	-1.32E-03
1.41E+02	8.40E-04	2.61E-03	-1.30E-03
1.41E+02	7.51E-04	2.59E-03	-1.28E-03
1.41E+02	6.84E-04	2.56E-03	-1.20E-03
1.41E+02	6.36E-04	2.46E-03	-1.15E-03
1.41E+02	5.30E-04	2.30E-03	-1.08E-03
1.41E+02	3.65E-04	2.14E-03	-9.74E-04
1.41E+02	2.51E-04	2.01E-03	-8.96E-04
1.41E+02	1.18E-04	1.91E-03	-8.10E-04
1.41E+02	-9.10E-05	1.77E-03	-7.58E-04

1.41E+02	-2.95E-04	1.64E-03	-7.51E-04
1.41E+02	-4.68E-04	1.59E-03	-7.12E-04
1.41E+02	-6.13E-04	1.53E-03	-7.43E-04
1.41E+02	-7.36E-04	1.45E-03	-8.79E-04
1.41E+02	-8.72E-04	1.38E-03	-9.28E-04
1.41E+02	-9.38E-04	1.34E-03	-8.83E-04
1.41E+02	-9.30E-04	1.36E-03	-8.09E-04
1.41E+02	-9.13E-04	1.38E-03	-7.51E-04
1.41E+02	-8.17E-04	1.42E-03	-7.52E-04
1.41E+02	-6.66E-04	1.48E-03	-7.01E-04
1.42E+02	-4.73E-04	1.54E-03	-6.14E-04
1.42E+02	-2.57E-04	1.59E-03	-5.91E-04
1.42E+02	-9.25E-05	1.61E-03	-5.93E-04
1.42E+02	8.72E-05	1.63E-03	-6.26E-04
1.42E+02	2.57E-04	1.63E-03	-6.54E-04
1.42E+02	3.50E-04	1.62E-03	-6.92E-04
1.42E+02	3.74E-04	1.56E-03	-7.34E-04
1.42E+02	3.36E-04	1.56E-03	-5.95E-04
1.42E+02	2.57E-04	1.57E-03	-3.95E-04
1.42E+02	1.16E-04	1.52E-03	-2.32E-04
1.42E+02	-1.03E-04	1.51E-03	-3.19E-05
1.42E+02	-3.10E-04	1.54E-03	8.81E-05
1.42E+02	-4.58E-04	1.59E-03	1.37E-04
1.42E+02	-5.96E-04	1.67E-03	1.14E-04
1.42E+02	-7.01E-04	1.71E-03	1.30E-05
1.42E+02	-7.33E-04	1.75E-03	-9.92E-06
1.42E+02	-6.88E-04	1.79E-03	-3.87E-05
1.42E+02	-5.83E-04	1.78E-03	-1.31E-04
1.42E+02	-4.81E-04	1.76E-03	-1.53E-04
1.42E+02	-3.52E-04	1.74E-03	-1.54E-04
1.42E+02	-1.60E-04	1.74E-03	-1.58E-04
1.42E+02	1.16E-05	1.78E-03	-1.26E-04
1.42E+02	1.42E-04	1.82E-03	-1.27E-04
1.42E+02	2.70E-04	1.91E-03	-7.46E-05
1.42E+02	3.91E-04	2.05E-03	4.25E-05
1.42E+02	4.99E-04	2.13E-03	9.92E-05
1.42E+02	5.64E-04	2.21E-03	2.25E-04
1.42E+02	6.29E-04	2.31E-03	3.86E-04
1.42E+02	7.41E-04	2.36E-03	4.22E-04
1.42E+02	7.94E-04	2.34E-03	4.66E-04
1.42E+02	8.19E-04	2.28E-03	5.10E-04
1.42E+02	8.65E-04	2.17E-03	5.82E-04
1.42E+02	8.84E-04	2.04E-03	7.43E-04
1.42E+02	8.97E-04	1.88E-03	7.75E-04
1.42E+02	8.56E-04	1.64E-03	7.44E-04
1.42E+02	8.05E-04	1.40E-03	7.76E-04
1.42E+02	8.53E-04	1.27E-03	7.87E-04

1.42E+02	9.04E-04	1.14E-03	7.78E-04
1.42E+02	9.80E-04	9.98E-04	7.53E-04
1.42E+02	1.12E-03	9.70E-04	7.50E-04
1.42E+02	1.28E-03	8.75E-04	6.64E-04
1.42E+02	1.48E-03	7.81E-04	5.00E-04
1.42E+02	1.63E-03	7.52E-04	4.28E-04
1.42E+02	1.73E-03	6.67E-04	3.09E-04
1.42E+02	1.86E-03	6.11E-04	2.05E-04
1.42E+02	1.92E-03	5.81E-04	2.39E-04
1.42E+02	1.90E-03	5.37E-04	2.21E-04
1.42E+02	1.88E-03	4.75E-04	1.89E-04
1.42E+02	1.85E-03	4.39E-04	2.92E-04
1.42E+02	1.79E-03	4.28E-04	5.12E-04
1.42E+02	1.69E-03	3.97E-04	7.64E-04
1.42E+02	1.55E-03	3.87E-04	9.90E-04
1.42E+02	1.45E-03	3.90E-04	1.18E-03
1.42E+02	1.33E-03	4.09E-04	1.32E-03
1.42E+02	1.13E-03	4.11E-04	1.37E-03
1.42E+02	9.06E-04	3.92E-04	1.39E-03
1.42E+02	6.57E-04	4.14E-04	1.42E-03
1.42E+02	3.83E-04	3.83E-04	1.36E-03
1.42E+02	8.64E-05	3.52E-04	1.37E-03
1.42E+02	-2.22E-04	4.00E-04	1.43E-03
1.42E+02	-4.31E-04	4.19E-04	1.38E-03
1.42E+02	-5.51E-04	4.89E-04	1.46E-03
1.42E+02	-6.62E-04	5.30E-04	1.58E-03
1.42E+02	-6.73E-04	4.89E-04	1.60E-03
1.42E+02	-5.83E-04	4.79E-04	1.63E-03
1.42E+02	-4.75E-04	3.68E-04	1.66E-03
1.42E+02	-3.68E-04	2.00E-04	1.71E-03
1.42E+02	-3.21E-04	5.72E-05	1.72E-03
1.42E+02	-2.73E-04	-1.21E-04	1.66E-03
1.42E+02	-2.31E-04	-2.70E-04	1.60E-03
1.42E+02	-2.78E-04	-3.98E-04	1.50E-03
1.42E+02	-3.40E-04	-5.34E-04	1.41E-03
1.42E+02	-4.18E-04	-6.23E-04	1.41E-03
1.42E+02	-5.20E-04	-6.86E-04	1.37E-03
1.42E+02	-6.51E-04	-7.91E-04	1.30E-03
1.42E+02	-8.49E-04	-8.92E-04	1.30E-03
1.42E+02	-1.01E-03	-9.54E-04	1.35E-03
1.42E+02	-1.10E-03	-9.99E-04	1.38E-03
1.42E+02	-1.19E-03	-1.04E-03	1.39E-03
1.42E+02	-1.22E-03	-1.10E-03	1.38E-03
1.42E+02	-1.20E-03	-1.11E-03	1.40E-03
1.42E+02	-1.14E-03	-1.12E-03	1.46E-03
1.42E+02	-1.08E-03	-1.17E-03	1.51E-03
1.42E+02	-1.06E-03	-1.18E-03	1.53E-03

1.42E+02	-1.03E-03	-1.25E-03	1.47E-03
1.42E+02	-9.66E-04	-1.30E-03	1.41E-03
1.42E+02	-9.32E-04	-1.34E-03	1.30E-03
1.42E+02	-8.87E-04	-1.41E-03	1.11E-03
1.42E+02	-8.31E-04	-1.34E-03	1.04E-03
1.42E+02	-7.93E-04	-1.28E-03	1.00E-03
1.42E+02	-7.38E-04	-1.25E-03	8.42E-04
1.42E+02	-7.44E-04	-1.15E-03	6.72E-04
1.42E+02	-7.73E-04	-1.08E-03	4.60E-04
1.42E+02	-7.53E-04	-9.98E-04	2.33E-04
1.42E+02	-7.88E-04	-9.44E-04	-4.01E-06
1.42E+02	-8.23E-04	-9.53E-04	-2.57E-04
1.42E+02	-8.34E-04	-9.74E-04	-3.51E-04
1.42E+02	-8.64E-04	-9.80E-04	-3.12E-04
1.42E+02	-8.86E-04	-9.99E-04	-2.90E-04
1.42E+02	-9.63E-04	-1.03E-03	-2.29E-04
1.42E+02	-1.04E-03	-1.00E-03	-1.62E-04
1.42E+02	-1.06E-03	-9.13E-04	-5.05E-05
1.42E+02	-1.09E-03	-7.80E-04	1.62E-04
1.42E+02	-1.11E-03	-6.37E-04	3.05E-04
1.42E+02	-1.12E-03	-4.72E-04	4.78E-04
1.42E+02	-1.10E-03	-3.00E-04	6.86E-04
1.42E+02	-1.03E-03	-2.07E-04	7.99E-04
1.42E+02	-1.02E-03	-1.43E-04	9.45E-04
1.42E+02	-1.04E-03	-1.21E-04	1.06E-03
1.42E+02	-1.03E-03	-1.32E-04	1.09E-03
1.42E+02	-1.08E-03	-9.16E-05	1.12E-03
1.42E+02	-1.18E-03	-8.95E-05	1.06E-03
1.42E+02	-1.27E-03	-8.35E-05	9.95E-04
1.42E+02	-1.36E-03	-1.98E-05	9.88E-04
1.42E+02	-1.46E-03	-1.34E-06	8.96E-04
1.42E+02	-1.58E-03	2.46E-05	7.55E-04
1.42E+02	-1.72E-03	7.69E-05	5.99E-04
1.42E+02	-1.80E-03	1.16E-04	3.80E-04
1.42E+02	-1.83E-03	1.78E-04	1.89E-04
1.42E+02	-1.89E-03	2.26E-04	1.74E-05
1.42E+02	-1.90E-03	2.61E-04	-9.86E-05
1.42E+02	-1.90E-03	3.06E-04	-8.11E-05
1.42E+02	-1.90E-03	3.31E-04	-7.04E-05
1.42E+02	-1.92E-03	3.37E-04	-3.80E-05
1.42E+02	-2.00E-03	3.34E-04	1.00E-04
1.42E+02	-2.05E-03	3.35E-04	2.83E-04
1.42E+02	-2.11E-03	3.38E-04	5.01E-04
1.42E+02	-2.23E-03	3.23E-04	6.33E-04
1.42E+02	-2.32E-03	3.07E-04	6.82E-04
1.42E+02	-2.40E-03	3.05E-04	7.80E-04
1.42E+02	-2.44E-03	2.71E-04	8.00E-04

1.42E+02	-2.47E-03	1.83E-04	7.29E-04
1.42E+02	-2.52E-03	8.14E-05	6.48E-04
1.42E+02	-2.47E-03	-2.94E-05	5.15E-04
1.42E+02	-2.37E-03	-1.37E-04	4.17E-04
1.42E+02	-2.29E-03	-2.56E-04	3.53E-04
1.42E+02	-2.19E-03	-3.88E-04	3.10E-04
1.42E+02	-2.08E-03	-4.85E-04	3.32E-04
1.42E+02	-1.96E-03	-5.89E-04	2.94E-04
1.42E+02	-1.85E-03	-7.12E-04	2.33E-04
1.42E+02	-1.82E-03	-7.96E-04	2.65E-04
1.42E+02	-1.78E-03	-8.26E-04	3.44E-04
1.42E+02	-1.76E-03	-8.16E-04	4.70E-04
1.42E+02	-1.82E-03	-7.84E-04	5.90E-04
1.42E+02	-1.88E-03	-7.28E-04	7.10E-04
1.42E+02	-1.98E-03	-6.40E-04	9.62E-04
1.42E+02	-2.07E-03	-5.53E-04	1.28E-03
1.42E+02	-2.20E-03	-4.81E-04	1.52E-03
1.42E+02	-2.41E-03	-4.19E-04	1.67E-03
1.42E+02	-2.59E-03	-3.58E-04	1.68E-03
1.42E+02	-2.72E-03	-2.68E-04	1.65E-03
1.42E+02	-2.87E-03	-1.82E-04	1.60E-03
1.42E+02	-3.00E-03	-1.38E-04	1.50E-03
1.42E+02	-3.10E-03	-1.05E-04	1.45E-03
1.42E+02	-3.16E-03	-9.08E-05	1.45E-03
1.42E+02	-3.19E-03	-1.33E-04	1.39E-03
1.42E+02	-3.25E-03	-2.09E-04	1.33E-03
1.42E+02	-3.27E-03	-2.86E-04	1.25E-03
1.42E+02	-3.25E-03	-3.16E-04	1.18E-03
1.42E+02	-3.27E-03	-3.09E-04	1.11E-03
1.42E+02	-3.29E-03	-3.36E-04	9.53E-04
1.42E+02	-3.29E-03	-3.47E-04	8.56E-04
1.42E+02	-3.23E-03	-3.19E-04	8.76E-04
1.42E+02	-3.14E-03	-3.44E-04	8.84E-04
1.42E+02	-3.07E-03	-4.01E-04	9.33E-04
1.42E+02	-2.94E-03	-4.66E-04	9.66E-04
1.42E+02	-2.72E-03	-5.27E-04	9.44E-04
1.42E+02	-2.54E-03	-5.64E-04	8.57E-04
1.42E+02	-2.37E-03	-6.12E-04	6.48E-04
1.42E+02	-2.20E-03	-6.31E-04	4.97E-04
1.42E+02	-2.06E-03	-6.07E-04	4.39E-04
1.42E+02	-1.92E-03	-6.26E-04	3.89E-04
1.42E+02	-1.87E-03	-6.73E-04	4.21E-04
1.42E+02	-1.87E-03	-7.24E-04	4.76E-04
1.42E+02	-1.83E-03	-7.86E-04	5.23E-04
1.42E+02	-1.85E-03	-8.29E-04	5.82E-04
1.42E+02	-1.88E-03	-8.72E-04	5.75E-04
1.42E+02	-1.86E-03	-8.94E-04	6.11E-04

1.42E+02	-1.81E-03	-8.71E-04	7.20E-04
1.42E+02	-1.72E-03	-8.61E-04	8.04E-04
1.42E+02	-1.64E-03	-8.69E-04	9.23E-04
1.42E+02	-1.54E-03	-8.94E-04	1.03E-03
1.42E+02	-1.37E-03	-9.33E-04	1.04E-03
1.42E+02	-1.20E-03	-9.77E-04	1.02E-03
1.42E+02	-1.04E-03	-1.04E-03	9.37E-04
1.42E+02	-8.59E-04	-1.08E-03	8.42E-04
1.42E+02	-6.89E-04	-1.07E-03	7.69E-04
1.42E+02	-5.19E-04	-1.08E-03	6.12E-04
1.42E+02	-4.14E-04	-1.11E-03	4.52E-04
1.42E+02	-3.98E-04	-1.18E-03	3.34E-04
1.42E+02	-3.91E-04	-1.27E-03	2.13E-04
1.42E+02	-4.31E-04	-1.34E-03	1.81E-04
1.42E+02	-5.33E-04	-1.42E-03	1.63E-04
1.42E+02	-6.40E-04	-1.48E-03	2.17E-04
1.42E+02	-7.73E-04	-1.48E-03	4.37E-04
1.42E+02	-9.14E-04	-1.47E-03	6.31E-04
1.42E+02	-1.08E-03	-1.42E-03	7.75E-04
1.42E+02	-1.29E-03	-1.36E-03	8.67E-04
1.42E+02	-1.42E-03	-1.30E-03	9.04E-04
1.42E+02	-1.51E-03	-1.22E-03	9.81E-04
1.43E+02	-1.60E-03	-1.19E-03	9.84E-04
1.43E+02	-1.63E-03	-1.24E-03	9.48E-04
1.43E+02	-1.63E-03	-1.32E-03	9.96E-04
1.43E+02	-1.57E-03	-1.49E-03	1.01E-03
1.43E+02	-1.47E-03	-1.74E-03	1.03E-03
1.43E+02	-1.40E-03	-1.99E-03	1.07E-03
1.43E+02	-1.25E-03	-2.22E-03	1.07E-03
1.43E+02	-1.04E-03	-2.41E-03	1.04E-03
1.43E+02	-8.42E-04	-2.58E-03	9.33E-04
1.43E+02	-6.11E-04	-2.74E-03	7.43E-04
1.43E+02	-3.56E-04	-2.83E-03	5.97E-04
1.43E+02	-9.82E-05	-2.92E-03	3.92E-04
1.43E+02	1.20E-04	-3.02E-03	1.46E-04
1.43E+02	2.76E-04	-3.08E-03	-5.72E-07
1.43E+02	4.59E-04	-3.12E-03	-3.26E-05
1.43E+02	6.48E-04	-3.14E-03	8.87E-05
1.43E+02	7.60E-04	-3.15E-03	2.70E-04
1.43E+02	8.22E-04	-3.19E-03	4.14E-04
1.43E+02	8.37E-04	-3.24E-03	6.02E-04
1.43E+02	8.26E-04	-3.30E-03	7.88E-04
1.43E+02	7.78E-04	-3.40E-03	9.37E-04
1.43E+02	6.63E-04	-3.51E-03	1.11E-03
1.43E+02	5.78E-04	-3.61E-03	1.25E-03
1.43E+02	5.34E-04	-3.67E-03	1.31E-03
1.43E+02	4.87E-04	-3.72E-03	1.27E-03

1.43E+02	4.83E-04	-3.75E-03	1.17E-03
1.43E+02	5.24E-04	-3.73E-03	1.19E-03
1.43E+02	5.79E-04	-3.67E-03	1.24E-03
1.43E+02	6.21E-04	-3.64E-03	1.24E-03
1.43E+02	6.03E-04	-3.63E-03	1.27E-03
1.43E+02	5.98E-04	-3.67E-03	1.30E-03
1.43E+02	6.46E-04	-3.73E-03	1.37E-03
1.43E+02	6.64E-04	-3.83E-03	1.46E-03
1.43E+02	6.82E-04	-3.97E-03	1.48E-03
1.43E+02	7.18E-04	-4.08E-03	1.53E-03
1.43E+02	7.69E-04	-4.17E-03	1.56E-03
1.43E+02	8.43E-04	-4.26E-03	1.49E-03
1.43E+02	8.72E-04	-4.35E-03	1.42E-03
1.43E+02	8.82E-04	-4.42E-03	1.36E-03
1.43E+02	9.18E-04	-4.47E-03	1.27E-03
1.43E+02	9.28E-04	-4.51E-03	1.19E-03
1.43E+02	9.12E-04	-4.53E-03	1.04E-03
1.43E+02	9.10E-04	-4.50E-03	9.49E-04
1.43E+02	9.19E-04	-4.44E-03	9.72E-04
1.43E+02	8.96E-04	-4.38E-03	1.02E-03
1.43E+02	8.05E-04	-4.32E-03	1.10E-03
1.43E+02	6.85E-04	-4.27E-03	1.11E-03
1.43E+02	6.01E-04	-4.22E-03	1.08E-03
1.43E+02	5.13E-04	-4.18E-03	1.07E-03
1.43E+02	3.94E-04	-4.20E-03	9.81E-04
1.43E+02	3.13E-04	-4.23E-03	8.79E-04
1.43E+02	2.64E-04	-4.25E-03	8.51E-04
1.43E+02	2.21E-04	-4.30E-03	7.70E-04
1.43E+02	1.56E-04	-4.39E-03	6.64E-04
1.43E+02	3.80E-05	-4.49E-03	5.65E-04
1.43E+02	-4.33E-05	-4.57E-03	4.55E-04
1.43E+02	-1.05E-04	-4.64E-03	3.69E-04
1.43E+02	-1.87E-04	-4.72E-03	2.24E-04
1.43E+02	-2.07E-04	-4.78E-03	1.00E-04
1.43E+02	-1.79E-04	-4.78E-03	7.23E-05
1.43E+02	-1.10E-04	-4.76E-03	2.96E-05
1.43E+02	-4.22E-05	-4.75E-03	7.82E-06
1.43E+02	-2.02E-05	-4.73E-03	-2.86E-06
1.43E+02	6.01E-05	-4.72E-03	-2.86E-05
1.43E+02	1.34E-04	-4.74E-03	-2.57E-05
1.43E+02	1.41E-04	-4.80E-03	-6.85E-05
1.43E+02	1.63E-04	-4.87E-03	-1.17E-04
1.43E+02	1.79E-04	-4.93E-03	-8.41E-05
1.43E+02	2.11E-04	-4.96E-03	-5.00E-05
1.43E+02	2.02E-04	-4.98E-03	-4.84E-05
1.43E+02	1.43E-04	-4.97E-03	-6.28E-05
1.43E+02	1.39E-04	-4.87E-03	-8.81E-05

1.43E+02	1.18E-04	-4.72E-03	-9.84E-05
1.43E+02	8.83E-05	-4.54E-03	-1.34E-04
1.43E+02	1.14E-04	-4.36E-03	-1.71E-04
1.43E+02	1.84E-04	-4.14E-03	-1.43E-04
1.43E+02	2.99E-04	-3.94E-03	-1.58E-04
1.43E+02	3.93E-04	-3.78E-03	-2.56E-04
1.43E+02	4.49E-04	-3.66E-03	-3.51E-04
1.43E+02	5.29E-04	-3.57E-03	-4.55E-04
1.43E+02	6.16E-04	-3.50E-03	-5.53E-04
1.43E+02	6.48E-04	-3.45E-03	-6.38E-04
1.43E+02	6.37E-04	-3.43E-03	-7.05E-04
1.43E+02	6.16E-04	-3.39E-03	-6.77E-04
1.43E+02	5.93E-04	-3.35E-03	-6.08E-04
1.43E+02	5.36E-04	-3.33E-03	-5.66E-04
1.43E+02	4.24E-04	-3.32E-03	-5.15E-04
1.43E+02	3.32E-04	-3.30E-03	-4.53E-04
1.43E+02	2.63E-04	-3.26E-03	-3.59E-04
1.43E+02	1.55E-04	-3.22E-03	-2.68E-04
1.43E+02	6.31E-05	-3.22E-03	-2.57E-04
1.43E+02	1.24E-05	-3.24E-03	-2.39E-04
1.43E+02	-2.48E-06	-3.24E-03	-2.11E-04
1.43E+02	-1.54E-05	-3.27E-03	-2.63E-04
1.43E+02	-6.73E-05	-3.31E-03	-3.35E-04
1.43E+02	-6.47E-05	-3.30E-03	-4.05E-04
1.43E+02	-1.91E-05	-3.26E-03	-4.88E-04
1.43E+02	1.34E-06	-3.20E-03	-6.04E-04
1.43E+02	4.63E-05	-3.16E-03	-7.88E-04
1.43E+02	1.18E-04	-3.10E-03	-9.30E-04
1.43E+02	2.16E-04	-3.00E-03	-1.02E-03
1.43E+02	3.40E-04	-2.92E-03	-1.11E-03
1.43E+02	4.48E-04	-2.86E-03	-1.11E-03
1.43E+02	5.70E-04	-2.77E-03	-1.00E-03
1.43E+02	7.27E-04	-2.67E-03	-8.24E-04
1.43E+02	8.56E-04	-2.57E-03	-6.21E-04
1.43E+02	9.37E-04	-2.49E-03	-5.25E-04
1.43E+02	1.01E-03	-2.42E-03	-4.82E-04
1.43E+02	1.08E-03	-2.32E-03	-4.32E-04
1.43E+02	1.12E-03	-2.22E-03	-4.11E-04
1.43E+02	1.09E-03	-2.09E-03	-3.99E-04
1.43E+02	1.02E-03	-1.95E-03	-4.07E-04
1.43E+02	9.69E-04	-1.77E-03	-4.07E-04
1.43E+02	8.84E-04	-1.57E-03	-3.71E-04
1.43E+02	7.58E-04	-1.38E-03	-3.52E-04
1.43E+02	6.56E-04	-1.17E-03	-3.09E-04
1.43E+02	5.97E-04	-9.27E-04	-2.31E-04
1.43E+02	5.62E-04	-7.01E-04	-2.17E-04
1.43E+02	5.28E-04	-5.01E-04	-2.42E-04

1.43E+02	5.06E-04	-3.06E-04	-2.62E-04
1.43E+02	5.22E-04	-1.18E-04	-2.86E-04
1.43E+02	5.35E-04	6.77E-05	-3.27E-04
1.43E+02	4.84E-04	1.84E-04	-4.73E-04
1.43E+02	4.18E-04	2.42E-04	-6.59E-04
1.43E+02	3.63E-04	3.05E-04	-7.76E-04
1.43E+02	2.92E-04	3.30E-04	-8.93E-04
1.43E+02	1.81E-04	3.13E-04	-1.00E-03
1.43E+02	4.01E-05	2.74E-04	-1.06E-03
1.43E+02	-4.88E-05	2.24E-04	-1.03E-03
1.43E+02	-1.05E-04	1.75E-04	-9.04E-04
1.43E+02	-1.77E-04	9.73E-05	-7.63E-04
1.43E+02	-2.04E-04	1.24E-05	-6.52E-04
1.43E+02	-1.63E-04	-5.55E-05	-5.37E-04
1.43E+02	-7.69E-05	-1.42E-04	-5.15E-04
1.43E+02	1.18E-05	-2.55E-04	-6.16E-04
1.43E+02	9.25E-05	-3.60E-04	-7.80E-04
1.43E+02	2.24E-04	-4.37E-04	-9.41E-04
1.43E+02	3.45E-04	-4.89E-04	-1.05E-03
1.43E+02	3.99E-04	-5.51E-04	-1.19E-03
1.43E+02	4.55E-04	-5.98E-04	-1.31E-03
1.43E+02	5.06E-04	-5.95E-04	-1.34E-03
1.43E+02	5.41E-04	-5.76E-04	-1.38E-03
1.43E+02	5.55E-04	-5.41E-04	-1.48E-03
1.43E+02	5.15E-04	-4.78E-04	-1.61E-03
1.43E+02	4.80E-04	-3.84E-04	-1.75E-03
1.43E+02	4.64E-04	-2.50E-04	-1.84E-03
1.43E+02	4.14E-04	-1.27E-04	-1.90E-03
1.43E+02	3.51E-04	-2.21E-05	-1.92E-03
1.43E+02	2.90E-04	9.90E-05	-1.90E-03
1.43E+02	2.37E-04	1.99E-04	-1.91E-03
1.43E+02	1.78E-04	2.67E-04	-1.95E-03
1.43E+02	8.60E-05	3.29E-04	-1.91E-03
1.43E+02	4.02E-05	4.01E-04	-1.80E-03
1.43E+02	3.30E-05	4.91E-04	-1.65E-03
1.43E+02	-1.26E-05	5.47E-04	-1.52E-03
1.43E+02	-4.33E-05	5.37E-04	-1.45E-03
1.43E+02	-3.76E-05	5.14E-04	-1.35E-03
1.43E+02	9.54E-07	4.80E-04	-1.26E-03
1.43E+02	5.09E-05	4.09E-04	-1.25E-03
1.43E+02	7.51E-05	3.54E-04	-1.23E-03
1.43E+02	1.37E-04	3.29E-04	-1.21E-03
1.43E+02	2.17E-04	3.27E-04	-1.19E-03
1.43E+02	2.56E-04	3.53E-04	-1.15E-03
1.43E+02	2.87E-04	3.88E-04	-1.15E-03
1.43E+02	3.01E-04	4.50E-04	-1.11E-03
1.43E+02	3.16E-04	5.30E-04	-1.07E-03

1.43E+02	3.46E-04	5.84E-04	-1.09E-03
1.43E+02	3.29E-04	6.29E-04	-1.12E-03
1.43E+02	3.06E-04	6.77E-04	-1.18E-03
1.43E+02	3.16E-04	7.45E-04	-1.26E-03
1.43E+02	2.82E-04	8.17E-04	-1.33E-03
1.43E+02	2.27E-04	8.57E-04	-1.45E-03
1.43E+02	2.09E-04	9.22E-04	-1.49E-03
1.43E+02	2.19E-04	1.01E-03	-1.43E-03
1.43E+02	2.41E-04	1.08E-03	-1.40E-03
1.43E+02	2.34E-04	1.12E-03	-1.37E-03
1.43E+02	2.37E-04	1.13E-03	-1.37E-03
1.43E+02	2.91E-04	1.12E-03	-1.42E-03
1.43E+02	3.33E-04	1.11E-03	-1.45E-03
1.43E+02	3.47E-04	1.03E-03	-1.54E-03
1.43E+02	3.65E-04	9.34E-04	-1.57E-03
1.43E+02	3.81E-04	8.58E-04	-1.50E-03
1.43E+02	3.82E-04	7.48E-04	-1.45E-03
1.43E+02	3.22E-04	6.24E-04	-1.41E-03
1.43E+02	2.09E-04	5.14E-04	-1.42E-03
1.43E+02	1.13E-04	4.56E-04	-1.47E-03
1.43E+02	-5.15E-06	4.72E-04	-1.48E-03
1.43E+02	-1.32E-04	5.05E-04	-1.50E-03
1.43E+02	-2.04E-04	5.56E-04	-1.40E-03
1.43E+02	-2.30E-04	6.24E-04	-1.16E-03
1.43E+02	-2.06E-04	6.46E-04	-9.32E-04
1.43E+02	-2.00E-04	6.31E-04	-6.97E-04
1.43E+02	-2.09E-04	6.11E-04	-4.97E-04
1.43E+02	-1.73E-04	6.25E-04	-3.79E-04
1.43E+02	-1.76E-04	6.98E-04	-3.13E-04
1.43E+02	-2.38E-04	8.07E-04	-3.09E-04
1.43E+02	-3.02E-04	9.96E-04	-2.70E-04
1.43E+02	-3.60E-04	1.27E-03	-1.30E-04
1.43E+02	-3.97E-04	1.57E-03	-2.04E-05
1.43E+02	-4.31E-04	1.87E-03	4.69E-05
1.44E+02	-4.66E-04	2.13E-03	8.54E-05
1.44E+02	-4.27E-04	2.38E-03	3.20E-05
1.44E+02	-3.38E-04	2.59E-03	-6.94E-05
1.44E+02	-2.34E-04	2.73E-03	-2.44E-04
1.44E+02	-8.05E-05	2.81E-03	-4.34E-04
1.44E+02	9.31E-05	2.87E-03	-4.95E-04
1.44E+02	2.60E-04	2.89E-03	-5.26E-04
1.44E+02	3.59E-04	2.86E-03	-5.67E-04
1.44E+02	3.65E-04	2.84E-03	-5.88E-04
1.44E+02	3.60E-04	2.83E-03	-6.31E-04
1.44E+02	3.43E-04	2.84E-03	-6.46E-04
1.44E+02	2.87E-04	2.85E-03	-6.60E-04
1.44E+02	2.50E-04	2.85E-03	-6.47E-04

1.44E+02	2.63E-04	2.88E-03	-5.14E-04
1.44E+02	3.12E-04	2.90E-03	-3.84E-04
1.44E+02	3.71E-04	2.87E-03	-2.70E-04
1.44E+02	4.11E-04	2.79E-03	-9.46E-05
1.44E+02	4.62E-04	2.69E-03	7.78E-05
1.44E+02	5.26E-04	2.57E-03	2.30E-04
1.44E+02	5.46E-04	2.43E-03	3.04E-04
1.44E+02	5.69E-04	2.29E-03	2.90E-04
1.44E+02	6.32E-04	2.18E-03	3.12E-04
1.44E+02	7.12E-04	2.11E-03	3.36E-04
1.44E+02	8.08E-04	2.04E-03	3.21E-04
1.44E+02	8.81E-04	1.96E-03	3.05E-04
1.44E+02	9.69E-04	1.88E-03	2.59E-04
1.44E+02	1.10E-03	1.78E-03	2.09E-04
1.44E+02	1.20E-03	1.66E-03	1.46E-04
1.44E+02	1.25E-03	1.49E-03	-8.58E-06
1.44E+02	1.32E-03	1.36E-03	-1.08E-04
1.44E+02	1.41E-03	1.27E-03	-1.36E-04
1.44E+02	1.49E-03	1.18E-03	-1.82E-04
1.44E+02	1.53E-03	1.10E-03	-1.45E-04
1.44E+02	1.60E-03	1.04E-03	-5.09E-05
1.44E+02	1.71E-03	9.83E-04	1.26E-04
1.44E+02	1.78E-03	8.92E-04	3.66E-04
1.44E+02	1.84E-03	7.57E-04	5.28E-04
1.44E+02	1.92E-03	6.45E-04	7.53E-04
1.44E+02	1.98E-03	5.76E-04	1.01E-03
1.44E+02	2.04E-03	5.09E-04	1.18E-03
1.44E+02	2.05E-03	4.42E-04	1.35E-03
1.44E+02	2.03E-03	4.18E-04	1.49E-03
1.44E+02	2.04E-03	4.15E-04	1.55E-03
1.44E+02	2.01E-03	4.22E-04	1.55E-03
1.44E+02	1.97E-03	4.35E-04	1.45E-03
1.44E+02	1.96E-03	4.62E-04	1.35E-03
1.44E+02	1.96E-03	5.39E-04	1.28E-03
1.44E+02	1.96E-03	5.83E-04	1.14E-03
1.44E+02	1.93E-03	5.90E-04	9.78E-04
1.44E+02	1.91E-03	6.17E-04	8.96E-04
1.44E+02	1.90E-03	6.58E-04	8.58E-04
1.44E+02	1.86E-03	6.98E-04	8.39E-04
1.44E+02	1.77E-03	6.99E-04	7.73E-04
1.44E+02	1.68E-03	7.17E-04	7.31E-04
1.44E+02	1.62E-03	7.71E-04	7.43E-04
1.44E+02	1.57E-03	7.96E-04	7.18E-04
1.44E+02	1.52E-03	8.28E-04	7.37E-04
1.44E+02	1.46E-03	8.82E-04	8.38E-04
1.44E+02	1.45E-03	9.27E-04	9.37E-04
1.44E+02	1.43E-03	9.35E-04	1.05E-03

1.44E+02	1.39E-03	8.88E-04	1.12E-03
1.44E+02	1.38E-03	8.17E-04	1.14E-03
1.44E+02	1.40E-03	7.25E-04	1.22E-03
1.44E+02	1.47E-03	6.10E-04	1.31E-03
1.44E+02	1.55E-03	4.70E-04	1.43E-03
1.44E+02	1.60E-03	3.06E-04	1.59E-03
1.44E+02	1.69E-03	1.58E-04	1.71E-03
1.44E+02	1.76E-03	2.56E-05	1.83E-03
1.44E+02	1.75E-03	-1.35E-04	1.88E-03
1.44E+02	1.71E-03	-3.08E-04	1.82E-03
1.44E+02	1.65E-03	-4.48E-04	1.76E-03
1.44E+02	1.55E-03	-5.67E-04	1.67E-03
1.44E+02	1.42E-03	-6.59E-04	1.56E-03
1.44E+02	1.23E-03	-7.09E-04	1.50E-03
1.44E+02	1.08E-03	-7.24E-04	1.46E-03
1.44E+02	9.36E-04	-7.01E-04	1.43E-03
1.44E+02	7.61E-04	-6.79E-04	1.33E-03
1.44E+02	6.20E-04	-6.72E-04	1.16E-03
1.44E+02	5.58E-04	-6.30E-04	1.07E-03
1.44E+02	5.70E-04	-5.75E-04	9.90E-04
1.44E+02	6.23E-04	-5.24E-04	8.61E-04
1.44E+02	6.89E-04	-4.40E-04	7.89E-04
1.44E+02	8.09E-04	-3.09E-04	8.02E-04
1.44E+02	9.51E-04	-1.26E-04	9.09E-04
1.44E+02	1.02E-03	4.14E-05	1.00E-03
1.44E+02	1.05E-03	1.67E-04	1.04E-03
1.44E+02	1.07E-03	3.12E-04	1.15E-03
1.44E+02	1.08E-03	4.42E-04	1.28E-03
1.44E+02	1.07E-03	5.42E-04	1.37E-03
1.44E+02	1.01E-03	6.46E-04	1.43E-03
1.44E+02	9.35E-04	7.55E-04	1.43E-03
1.44E+02	8.97E-04	8.95E-04	1.43E-03
1.44E+02	7.79E-04	1.01E-03	1.35E-03
1.44E+02	6.30E-04	1.09E-03	1.19E-03
1.44E+02	5.04E-04	1.17E-03	1.07E-03
1.44E+02	3.68E-04	1.19E-03	9.19E-04
1.44E+02	2.15E-04	1.14E-03	6.78E-04
1.44E+02	4.18E-05	1.06E-03	4.69E-04
1.44E+02	-7.59E-05	1.00E-03	3.25E-04
1.44E+02	-1.04E-04	9.95E-04	2.35E-04
1.44E+02	-1.17E-04	9.92E-04	1.43E-04
1.44E+02	-9.42E-05	9.66E-04	-4.56E-05
1.44E+02	9.54E-07	9.52E-04	-2.09E-04
1.44E+02	1.36E-04	9.38E-04	-3.06E-04
1.44E+02	2.97E-04	9.07E-04	-3.71E-04
1.44E+02	4.35E-04	8.77E-04	-3.27E-04
1.44E+02	5.53E-04	8.49E-04	-2.42E-04

1.44E+02	6.83E-04	8.49E-04	-1.38E-04
1.44E+02	7.46E-04	8.70E-04	1.96E-05
1.44E+02	7.47E-04	8.73E-04	1.65E-04
1.44E+02	7.39E-04	8.80E-04	3.51E-04
1.44E+02	7.06E-04	8.96E-04	5.91E-04
1.44E+02	6.49E-04	8.58E-04	7.46E-04
1.44E+02	5.55E-04	7.71E-04	8.57E-04
1.44E+02	4.68E-04	6.98E-04	9.74E-04
1.44E+02	4.32E-04	6.51E-04	1.06E-03
1.44E+02	3.75E-04	5.99E-04	1.12E-03
1.44E+02	2.92E-04	5.08E-04	1.03E-03
1.44E+02	2.47E-04	4.33E-04	8.83E-04
1.44E+02	2.41E-04	3.92E-04	7.25E-04
1.44E+02	2.66E-04	3.39E-04	4.76E-04
1.44E+02	2.87E-04	2.85E-04	2.42E-04
1.44E+02	3.10E-04	2.06E-04	4.62E-05
1.44E+02	4.11E-04	1.34E-04	-9.82E-05
1.44E+02	5.35E-04	8.70E-05	-1.59E-04
1.44E+02	6.28E-04	8.96E-06	-2.41E-04
1.44E+02	7.27E-04	-4.84E-05	-2.90E-04
1.44E+02	8.14E-04	-7.78E-05	-3.04E-04
1.44E+02	8.71E-04	-1.22E-04	-3.98E-04
1.44E+02	8.52E-04	-1.58E-04	-5.05E-04
1.44E+02	7.58E-04	-1.77E-04	-5.69E-04
1.44E+02	6.62E-04	-1.71E-04	-5.90E-04
1.44E+02	5.15E-04	-1.39E-04	-5.30E-04
1.44E+02	3.14E-04	-1.15E-04	-4.39E-04
1.44E+02	1.14E-04	-8.45E-05	-3.60E-04
1.44E+02	-8.18E-05	-2.67E-06	-2.60E-04
1.44E+02	-2.35E-04	1.04E-04	-2.16E-04
1.44E+02	-3.92E-04	2.00E-04	-2.31E-04
1.44E+02	-5.63E-04	2.69E-04	-2.63E-04
1.44E+02	-6.44E-04	3.01E-04	-3.44E-04
1.44E+02	-6.78E-04	3.12E-04	-4.07E-04
1.44E+02	-7.18E-04	2.72E-04	-4.81E-04
1.44E+02	-7.15E-04	2.07E-04	-5.72E-04
1.44E+02	-6.61E-04	1.83E-04	-5.56E-04
1.44E+02	-5.67E-04	1.69E-04	-5.43E-04
1.44E+02	-4.61E-04	1.80E-04	-5.79E-04
1.44E+02	-3.75E-04	2.44E-04	-5.73E-04
1.44E+02	-2.58E-04	3.31E-04	-5.84E-04
1.44E+02	-1.40E-04	4.42E-04	-6.11E-04
1.44E+02	-8.81E-05	5.35E-04	-7.22E-04
1.44E+02	-5.93E-05	5.88E-04	-9.47E-04
1.44E+02	-2.67E-05	6.52E-04	-1.12E-03
1.44E+02	-8.01E-06	6.84E-04	-1.30E-03
1.44E+02	-3.20E-05	6.73E-04	-1.50E-03

1.44E+02	-8.45E-05	6.77E-04	-1.61E-03
1.44E+02	-9.96E-05	6.69E-04	-1.69E-03
1.44E+02	-8.77E-05	6.52E-04	-1.72E-03
1.44E+02	-1.16E-04	6.18E-04	-1.75E-03
1.44E+02	-1.55E-04	5.76E-04	-1.86E-03
1.44E+02	-1.56E-04	5.97E-04	-1.88E-03
1.44E+02	-1.28E-04	6.42E-04	-1.85E-03
1.44E+02	-9.86E-05	6.56E-04	-1.88E-03
1.44E+02	-1.20E-04	6.38E-04	-1.88E-03
1.44E+02	-1.53E-04	5.80E-04	-1.87E-03
1.44E+02	-1.70E-04	5.15E-04	-1.83E-03
1.44E+02	-2.42E-04	4.35E-04	-1.76E-03
1.44E+02	-3.23E-04	3.21E-04	-1.72E-03
1.44E+02	-3.43E-04	2.49E-04	-1.61E-03
1.44E+02	-3.19E-04	2.10E-04	-1.47E-03
1.44E+02	-2.60E-04	1.70E-04	-1.39E-03
1.44E+02	-1.92E-04	1.58E-04	-1.38E-03
1.44E+02	-9.25E-05	1.62E-04	-1.44E-03
1.44E+02	7.04E-05	1.94E-04	-1.55E-03
1.44E+02	2.32E-04	2.20E-04	-1.69E-03
1.44E+02	4.09E-04	2.15E-04	-1.85E-03
1.44E+02	6.24E-04	2.50E-04	-1.95E-03
1.44E+02	8.32E-04	3.10E-04	-1.97E-03
1.44E+02	1.04E-03	3.89E-04	-2.03E-03
1.44E+02	1.18E-03	4.93E-04	-2.06E-03
1.44E+02	1.25E-03	5.93E-04	-2.05E-03
1.44E+02	1.30E-03	7.31E-04	-2.03E-03
1.44E+02	1.26E-03	8.69E-04	-2.00E-03
1.44E+02	1.16E-03	9.47E-04	-2.03E-03
1.44E+02	1.05E-03	1.02E-03	-2.03E-03
1.44E+02	9.52E-04	1.09E-03	-1.95E-03
1.44E+02	8.89E-04	1.12E-03	-1.92E-03
1.44E+02	8.26E-04	1.12E-03	-1.85E-03
1.44E+02	7.84E-04	1.12E-03	-1.76E-03
1.44E+02	8.40E-04	1.11E-03	-1.73E-03
1.44E+02	9.43E-04	1.10E-03	-1.67E-03
1.44E+02	1.06E-03	1.10E-03	-1.65E-03
1.44E+02	1.19E-03	1.09E-03	-1.66E-03
1.44E+02	1.32E-03	1.11E-03	-1.59E-03
1.44E+02	1.45E-03	1.14E-03	-1.56E-03
1.44E+02	1.50E-03	1.16E-03	-1.56E-03
1.44E+02	1.46E-03	1.18E-03	-1.51E-03
1.44E+02	1.40E-03	1.20E-03	-1.47E-03
1.44E+02	1.30E-03	1.17E-03	-1.40E-03
1.44E+02	1.10E-03	1.09E-03	-1.35E-03
1.44E+02	8.90E-04	9.55E-04	-1.34E-03
1.45E+02	6.74E-04	8.38E-04	-1.30E-03

1.45E+02	4.81E-04	7.27E-04	-1.29E-03
1.45E+02	3.25E-04	6.40E-04	-1.26E-03
1.45E+02	1.60E-04	6.21E-04	-1.20E-03
1.45E+02	7.67E-05	6.36E-04	-1.16E-03
1.45E+02	8.60E-05	6.83E-04	-1.09E-03
1.45E+02	8.13E-05	7.14E-04	-1.05E-03
1.45E+02	7.92E-05	6.81E-04	-1.10E-03
1.45E+02	1.28E-04	6.39E-04	-1.12E-03
1.45E+02	2.10E-04	5.67E-04	-1.11E-03
1.45E+02	2.88E-04	4.57E-04	-1.13E-03
1.45E+02	3.42E-04	3.64E-04	-1.10E-03
1.45E+02	4.30E-04	3.32E-04	-1.06E-03
1.45E+02	5.58E-04	3.82E-04	-9.63E-04
1.45E+02	6.66E-04	4.80E-04	-8.50E-04
1.45E+02	8.08E-04	5.90E-04	-7.88E-04
1.45E+02	1.00E-03	7.25E-04	-6.88E-04
1.45E+02	1.22E-03	8.60E-04	-6.02E-04
1.45E+02	1.43E-03	9.34E-04	-6.24E-04
1.45E+02	1.58E-03	9.59E-04	-6.62E-04
1.45E+02	1.72E-03	9.50E-04	-7.00E-04
1.45E+02	1.86E-03	9.07E-04	-7.28E-04
1.45E+02	1.94E-03	8.13E-04	-7.28E-04
1.45E+02	1.97E-03	6.67E-04	-7.55E-04
1.45E+02	2.00E-03	5.37E-04	-7.14E-04
1.45E+02	2.05E-03	4.24E-04	-6.28E-04
1.45E+02	2.13E-03	2.96E-04	-5.92E-04
1.45E+02	2.19E-03	1.83E-04	-5.26E-04
1.45E+02	2.27E-03	8.89E-05	-4.87E-04
1.45E+02	2.43E-03	2.31E-05	-5.10E-04
1.45E+02	2.57E-03	-2.37E-05	-5.62E-04
1.45E+02	2.71E-03	-8.45E-05	-6.98E-04
1.45E+02	2.89E-03	-1.27E-04	-8.01E-04
1.45E+02	3.07E-03	-1.42E-04	-8.42E-04
1.45E+02	3.24E-03	-1.68E-04	-9.36E-04
1.45E+02	3.33E-03	-1.83E-04	-1.03E-03
1.45E+02	3.37E-03	-1.63E-04	-1.11E-03
1.45E+02	3.41E-03	-1.04E-04	-1.19E-03
1.45E+02	3.37E-03	-6.48E-06	-1.20E-03
1.45E+02	3.25E-03	9.10E-05	-1.16E-03
1.45E+02	3.08E-03	2.13E-04	-1.03E-03
1.45E+02	2.90E-03	3.67E-04	-7.88E-04
1.45E+02	2.72E-03	4.77E-04	-5.96E-04
1.45E+02	2.52E-03	5.40E-04	-4.45E-04
1.45E+02	2.35E-03	5.78E-04	-2.75E-04
1.45E+02	2.26E-03	5.93E-04	-1.28E-04
1.45E+02	2.23E-03	5.89E-04	2.00E-05
1.45E+02	2.21E-03	5.42E-04	1.07E-04

1.45E+02	2.24E-03	4.78E-04	1.64E-04
1.45E+02	2.31E-03	4.03E-04	2.96E-04
1.45E+02	2.38E-03	2.97E-04	3.66E-04
1.45E+02	2.42E-03	1.58E-04	3.27E-04
1.45E+02	2.39E-03	-1.49E-05	2.32E-04
1.45E+02	2.38E-03	-1.62E-04	8.45E-05
1.45E+02	2.41E-03	-2.70E-04	-8.39E-06
1.45E+02	2.39E-03	-3.79E-04	-1.22E-04
1.45E+02	2.36E-03	-4.64E-04	-2.58E-04
1.45E+02	2.34E-03	-5.09E-04	-2.48E-04
1.45E+02	2.31E-03	-5.51E-04	-2.15E-04
1.45E+02	2.24E-03	-5.90E-04	-1.57E-04
1.45E+02	2.10E-03	-5.88E-04	-2.67E-06
1.45E+02	1.99E-03	-5.31E-04	1.04E-04
1.45E+02	1.88E-03	-4.15E-04	2.22E-04
1.45E+02	1.73E-03	-2.69E-04	3.21E-04
1.45E+02	1.63E-03	-1.28E-04	3.48E-04
1.45E+02	1.57E-03	2.25E-05	4.83E-04
1.45E+02	1.54E-03	1.49E-04	6.53E-04
1.45E+02	1.52E-03	2.09E-04	7.76E-04
1.45E+02	1.44E-03	2.09E-04	8.86E-04
1.45E+02	1.41E-03	1.89E-04	9.10E-04
1.45E+02	1.41E-03	1.91E-04	9.14E-04
1.45E+02	1.36E-03	1.83E-04	9.08E-04
1.45E+02	1.32E-03	1.73E-04	8.37E-04
1.45E+02	1.28E-03	2.27E-04	8.46E-04
1.45E+02	1.25E-03	3.40E-04	9.01E-04
1.45E+02	1.24E-03	4.80E-04	8.90E-04
1.45E+02	1.18E-03	6.45E-04	8.88E-04
1.45E+02	1.16E-03	8.59E-04	8.72E-04
1.45E+02	1.17E-03	1.11E-03	8.77E-04
1.45E+02	1.13E-03	1.33E-03	9.28E-04
1.45E+02	1.07E-03	1.51E-03	9.45E-04
1.45E+02	1.01E-03	1.64E-03	1.03E-03
1.45E+02	9.32E-04	1.71E-03	1.17E-03
1.45E+02	8.38E-04	1.70E-03	1.25E-03
1.45E+02	6.79E-04	1.64E-03	1.38E-03
1.45E+02	5.40E-04	1.53E-03	1.47E-03
1.45E+02	4.76E-04	1.44E-03	1.54E-03
1.45E+02	4.08E-04	1.39E-03	1.62E-03
1.45E+02	3.72E-04	1.37E-03	1.60E-03
1.45E+02	4.06E-04	1.40E-03	1.62E-03
1.45E+02	4.88E-04	1.47E-03	1.66E-03
1.45E+02	6.07E-04	1.50E-03	1.60E-03
1.45E+02	6.81E-04	1.51E-03	1.58E-03
1.45E+02	7.32E-04	1.53E-03	1.55E-03
1.45E+02	7.99E-04	1.56E-03	1.50E-03

1.45E+02	7.98E-04	1.62E-03	1.50E-03
1.45E+02	7.27E-04	1.64E-03	1.42E-03
1.45E+02	6.02E-04	1.66E-03	1.38E-03
1.45E+02	4.35E-04	1.69E-03	1.42E-03
1.45E+02	2.58E-04	1.71E-03	1.41E-03
1.45E+02	1.89E-05	1.73E-03	1.46E-03
1.45E+02	-2.18E-04	1.76E-03	1.50E-03
1.45E+02	-3.64E-04	1.79E-03	1.53E-03
1.45E+02	-4.86E-04	1.84E-03	1.63E-03
1.45E+02	-5.82E-04	1.84E-03	1.68E-03
1.45E+02	-5.96E-04	1.83E-03	1.76E-03
1.45E+02	-5.49E-04	1.84E-03	1.91E-03
1.45E+02	-4.45E-04	1.81E-03	1.99E-03
1.45E+02	-3.52E-04	1.78E-03	2.08E-03
1.45E+02	-3.19E-04	1.76E-03	2.17E-03
1.45E+02	-2.82E-04	1.76E-03	2.22E-03
1.45E+02	-3.19E-04	1.79E-03	2.25E-03
1.45E+02	-4.47E-04	1.79E-03	2.13E-03
1.45E+02	-5.78E-04	1.78E-03	1.98E-03
1.45E+02	-7.29E-04	1.82E-03	1.94E-03
1.45E+02	-8.40E-04	1.84E-03	1.90E-03
1.45E+02	-9.38E-04	1.85E-03	1.91E-03
1.45E+02	-1.05E-03	1.84E-03	1.93E-03
1.45E+02	-1.03E-03	1.81E-03	1.93E-03
1.45E+02	-9.49E-04	1.79E-03	1.97E-03
1.45E+02	-8.67E-04	1.76E-03	1.91E-03
1.45E+02	-7.42E-04	1.72E-03	1.76E-03
1.45E+02	-6.00E-04	1.76E-03	1.62E-03
1.45E+02	-4.52E-04	1.81E-03	1.45E-03
1.45E+02	-3.42E-04	1.84E-03	1.27E-03
1.45E+02	-3.40E-04	1.89E-03	1.15E-03
1.45E+02	-3.68E-04	1.89E-03	1.04E-03
1.45E+02	-4.37E-04	1.90E-03	1.01E-03
1.45E+02	-6.06E-04	1.88E-03	9.84E-04
1.45E+02	-7.63E-04	1.80E-03	8.98E-04
1.45E+02	-8.71E-04	1.80E-03	9.28E-04
1.45E+02	-9.53E-04	1.80E-03	9.57E-04
1.45E+02	-9.98E-04	1.78E-03	9.12E-04
1.45E+02	-1.05E-03	1.76E-03	9.18E-04
1.45E+02	-1.05E-03	1.71E-03	8.89E-04
1.45E+02	-9.74E-04	1.66E-03	8.98E-04
1.45E+02	-9.24E-04	1.57E-03	9.35E-04
1.45E+02	-8.81E-04	1.42E-03	9.08E-04
1.45E+02	-8.44E-04	1.32E-03	9.33E-04
1.45E+02	-7.96E-04	1.24E-03	8.83E-04
1.45E+02	-7.13E-04	1.19E-03	7.61E-04
1.45E+02	-6.68E-04	1.23E-03	7.63E-04

1.45E+02	-6.20E-04	1.30E-03	8.14E-04
1.45E+02	-5.36E-04	1.39E-03	9.11E-04
1.45E+02	-5.17E-04	1.48E-03	9.99E-04
1.45E+02	-5.53E-04	1.50E-03	9.49E-04
1.45E+02	-5.84E-04	1.53E-03	8.87E-04
1.45E+02	-6.20E-04	1.57E-03	8.05E-04
1.45E+02	-6.67E-04	1.59E-03	6.57E-04
1.45E+02	-7.75E-04	1.64E-03	5.34E-04
1.45E+02	-8.76E-04	1.69E-03	3.89E-04
1.45E+02	-9.06E-04	1.73E-03	2.61E-04
1.45E+02	-9.53E-04	1.76E-03	2.20E-04
1.45E+02	-9.89E-04	1.75E-03	2.05E-04
1.45E+02	-9.82E-04	1.71E-03	2.63E-04
1.45E+02	-9.59E-04	1.67E-03	3.51E-04
1.45E+02	-8.88E-04	1.61E-03	3.47E-04
1.45E+02	-8.17E-04	1.55E-03	3.53E-04
1.45E+02	-7.61E-04	1.53E-03	4.17E-04
1.45E+02	-6.58E-04	1.52E-03	4.75E-04
1.45E+02	-5.85E-04	1.53E-03	4.98E-04
1.45E+02	-5.53E-04	1.51E-03	4.34E-04
1.45E+02	-5.00E-04	1.46E-03	3.62E-04
1.45E+02	-4.67E-04	1.43E-03	3.52E-04
1.45E+02	-4.36E-04	1.36E-03	3.15E-04
1.45E+02	-4.54E-04	1.28E-03	3.06E-04
1.45E+02	-5.69E-04	1.20E-03	3.29E-04
1.45E+02	-6.74E-04	1.11E-03	2.97E-04
1.45E+02	-7.92E-04	1.07E-03	3.22E-04
1.45E+02	-9.70E-04	9.96E-04	3.54E-04
1.45E+02	-1.13E-03	9.24E-04	3.54E-04
1.45E+02	-1.28E-03	9.04E-04	4.55E-04
1.45E+02	-1.39E-03	8.75E-04	5.00E-04
1.45E+02	-1.50E-03	8.38E-04	4.66E-04
1.45E+02	-1.61E-03	8.05E-04	4.71E-04
1.45E+02	-1.67E-03	7.89E-04	4.65E-04
1.45E+02	-1.70E-03	7.92E-04	4.57E-04
1.45E+02	-1.76E-03	7.74E-04	3.82E-04
1.45E+02	-1.79E-03	7.69E-04	2.78E-04
1.45E+02	-1.78E-03	8.30E-04	2.49E-04
1.45E+02	-1.74E-03	9.04E-04	1.89E-04
1.45E+02	-1.68E-03	9.88E-04	1.53E-04
1.45E+02	-1.64E-03	1.10E-03	1.88E-04
1.45E+02	-1.58E-03	1.16E-03	1.70E-04
1.45E+02	-1.49E-03	1.17E-03	1.72E-04
1.45E+02	-1.44E-03	1.11E-03	1.80E-04
1.45E+02	-1.41E-03	9.61E-04	1.54E-04
1.45E+02	-1.39E-03	8.31E-04	1.98E-04
1.45E+02	-1.36E-03	7.19E-04	2.00E-04

1.45E+02	-1.32E-03	6.24E-04	1.33E-04
1.45E+02	-1.33E-03	5.92E-04	6.98E-05
1.45E+02	-1.33E-03	5.99E-04	-5.30E-05
1.45E+02	-1.32E-03	6.23E-04	-1.53E-04
1.45E+02	-1.36E-03	6.22E-04	-2.42E-04
1.45E+02	-1.42E-03	5.54E-04	-3.68E-04
1.45E+02	-1.46E-03	4.57E-04	-3.88E-04
1.45E+02	-1.48E-03	3.37E-04	-3.48E-04
1.45E+02	-1.49E-03	1.83E-04	-2.99E-04
1.45E+02	-1.54E-03	2.73E-05	-2.08E-04
1.45E+02	-1.55E-03	-1.26E-04	-1.77E-04
1.46E+02	-1.51E-03	-2.44E-04	-2.05E-04
1.46E+02	-1.48E-03	-3.11E-04	-2.81E-04
1.46E+02	-1.44E-03	-3.68E-04	-4.67E-04
1.46E+02	-1.39E-03	-3.79E-04	-6.31E-04
1.46E+02	-1.32E-03	-3.46E-04	-7.50E-04
1.46E+02	-1.23E-03	-3.34E-04	-8.95E-04
1.46E+02	-1.20E-03	-3.34E-04	-9.56E-04
1.46E+02	-1.19E-03	-3.31E-04	-9.44E-04
1.46E+02	-1.15E-03	-3.04E-04	-9.05E-04
1.46E+02	-1.16E-03	-2.44E-04	-8.59E-04
1.46E+02	-1.19E-03	-1.88E-04	-9.15E-04
1.46E+02	-1.19E-03	-9.37E-05	-9.86E-04
1.46E+02	-1.18E-03	5.02E-05	-1.01E-03
1.46E+02	-1.16E-03	1.77E-04	-1.09E-03
1.46E+02	-1.19E-03	2.84E-04	-1.18E-03
1.46E+02	-1.26E-03	3.65E-04	-1.26E-03
1.46E+02	-1.30E-03	4.15E-04	-1.34E-03
1.46E+02	-1.40E-03	4.61E-04	-1.33E-03
1.46E+02	-1.55E-03	4.75E-04	-1.35E-03
1.46E+02	-1.70E-03	4.97E-04	-1.32E-03
1.46E+02	-1.83E-03	5.85E-04	-1.18E-03
1.46E+02	-1.96E-03	6.61E-04	-1.12E-03
1.46E+02	-2.12E-03	7.22E-04	-1.04E-03
1.46E+02	-2.28E-03	8.06E-04	-9.04E-04
1.46E+02	-2.39E-03	8.87E-04	-8.09E-04
1.46E+02	-2.47E-03	9.53E-04	-7.10E-04
1.46E+02	-2.57E-03	9.70E-04	-6.99E-04
1.46E+02	-2.60E-03	9.41E-04	-7.25E-04
1.46E+02	-2.60E-03	9.16E-04	-6.99E-04
1.46E+02	-2.59E-03	8.53E-04	-7.41E-04
1.46E+02	-2.60E-03	7.45E-04	-7.96E-04
1.46E+02	-2.65E-03	6.26E-04	-8.41E-04
1.46E+02	-2.68E-03	4.85E-04	-9.73E-04
1.46E+02	-2.71E-03	3.67E-04	-1.13E-03
1.46E+02	-2.80E-03	2.61E-04	-1.34E-03
1.46E+02	-2.87E-03	1.75E-04	-1.55E-03

1.46E+02	-2.93E-03	1.58E-04	-1.63E-03
1.46E+02	-2.96E-03	1.62E-04	-1.67E-03
1.46E+02	-2.97E-03	1.78E-04	-1.67E-03
1.46E+02	-3.02E-03	1.97E-04	-1.61E-03
1.46E+02	-2.98E-03	2.16E-04	-1.52E-03
1.46E+02	-2.87E-03	2.27E-04	-1.40E-03
1.46E+02	-2.77E-03	1.62E-04	-1.37E-03
1.46E+02	-2.60E-03	5.07E-05	-1.43E-03
1.46E+02	-2.38E-03	-5.78E-05	-1.41E-03
1.46E+02	-2.14E-03	-1.81E-04	-1.37E-03
1.46E+02	-1.93E-03	-3.27E-04	-1.36E-03
1.46E+02	-1.81E-03	-4.90E-04	-1.35E-03
1.46E+02	-1.71E-03	-6.41E-04	-1.41E-03
1.46E+02	-1.64E-03	-7.71E-04	-1.41E-03
1.46E+02	-1.66E-03	-9.00E-04	-1.35E-03
1.46E+02	-1.71E-03	-1.00E-03	-1.26E-03
1.46E+02	-1.77E-03	-1.03E-03	-1.07E-03
1.46E+02	-1.81E-03	-9.95E-04	-8.57E-04
1.46E+02	-1.84E-03	-9.41E-04	-7.05E-04
1.46E+02	-1.89E-03	-8.75E-04	-5.31E-04
1.46E+02	-1.90E-03	-8.20E-04	-4.38E-04
1.46E+02	-1.87E-03	-7.78E-04	-4.43E-04
1.46E+02	-1.87E-03	-7.86E-04	-5.35E-04
1.46E+02	-1.85E-03	-8.78E-04	-7.31E-04
1.46E+02	-1.80E-03	-9.65E-04	-8.52E-04
1.46E+02	-1.73E-03	-1.03E-03	-8.96E-04
1.46E+02	-1.66E-03	-1.10E-03	-9.39E-04
1.46E+02	-1.69E-03	-1.12E-03	-9.19E-04
1.46E+02	-1.74E-03	-1.11E-03	-9.26E-04
1.46E+02	-1.75E-03	-1.04E-03	-9.73E-04
1.46E+02	-1.82E-03	-9.46E-04	-9.98E-04
1.46E+02	-1.88E-03	-8.30E-04	-1.05E-03
1.46E+02	-1.92E-03	-6.71E-04	-1.00E-03
1.46E+02	-1.94E-03	-4.93E-04	-8.63E-04
1.46E+02	-1.93E-03	-3.46E-04	-7.54E-04
1.46E+02	-1.96E-03	-2.49E-04	-5.94E-04
1.46E+02	-2.01E-03	-2.01E-04	-4.49E-04
1.46E+02	-2.02E-03	-1.98E-04	-3.34E-04
1.46E+02	-2.06E-03	-2.62E-04	-2.23E-04
1.46E+02	-2.13E-03	-4.09E-04	-2.39E-04
1.46E+02	-2.18E-03	-5.67E-04	-2.92E-04
1.46E+02	-2.24E-03	-7.03E-04	-3.46E-04
1.46E+02	-2.28E-03	-8.56E-04	-4.71E-04
1.46E+02	-2.35E-03	-1.00E-03	-5.54E-04
1.46E+02	-2.44E-03	-1.13E-03	-5.69E-04
1.46E+02	-2.46E-03	-1.25E-03	-5.27E-04
1.46E+02	-2.51E-03	-1.34E-03	-4.05E-04

1.46E+02	-2.61E-03	-1.43E-03	-3.49E-04
1.46E+02	-2.72E-03	-1.50E-03	-3.42E-04
1.46E+02	-2.84E-03	-1.48E-03	-3.23E-04
1.46E+02	-2.94E-03	-1.43E-03	-3.99E-04
1.46E+02	-3.03E-03	-1.33E-03	-4.27E-04
1.46E+02	-3.10E-03	-1.17E-03	-3.51E-04
1.46E+02	-3.11E-03	-9.99E-04	-2.73E-04
1.46E+02	-3.09E-03	-8.17E-04	-1.57E-04
1.46E+02	-3.07E-03	-6.90E-04	-1.08E-04
1.46E+02	-3.00E-03	-6.18E-04	-8.79E-05
1.46E+02	-2.90E-03	-5.44E-04	1.37E-05
1.46E+02	-2.77E-03	-5.09E-04	7.11E-05
1.46E+02	-2.65E-03	-4.99E-04	1.01E-04
1.46E+02	-2.60E-03	-4.75E-04	1.33E-04
1.46E+02	-2.51E-03	-4.36E-04	1.18E-04
1.46E+02	-2.38E-03	-3.61E-04	1.32E-04
1.46E+02	-2.29E-03	-2.97E-04	1.40E-04
1.46E+02	-2.18E-03	-2.23E-04	1.53E-04
1.46E+02	-2.03E-03	-9.88E-05	2.52E-04
1.46E+02	-1.86E-03	8.77E-06	2.88E-04
1.46E+02	-1.68E-03	9.59E-05	2.72E-04
1.46E+02	-1.55E-03	1.43E-04	2.99E-04
1.46E+02	-1.43E-03	1.46E-04	3.36E-04
1.46E+02	-1.30E-03	1.21E-04	4.29E-04
1.46E+02	-1.27E-03	2.10E-06	5.22E-04
1.46E+02	-1.26E-03	-1.82E-04	6.15E-04
1.46E+02	-1.26E-03	-3.73E-04	7.99E-04
1.46E+02	-1.28E-03	-5.92E-04	9.42E-04
1.46E+02	-1.31E-03	-8.12E-04	1.03E-03
1.46E+02	-1.37E-03	-1.01E-03	1.09E-03
1.46E+02	-1.38E-03	-1.20E-03	1.04E-03
1.46E+02	-1.29E-03	-1.35E-03	9.63E-04
1.46E+02	-1.18E-03	-1.48E-03	8.74E-04
1.46E+02	-1.03E-03	-1.61E-03	7.48E-04
1.46E+02	-8.44E-04	-1.69E-03	7.23E-04
1.46E+02	-6.25E-04	-1.73E-03	7.08E-04
1.46E+02	-4.01E-04	-1.78E-03	6.21E-04
1.46E+02	-2.66E-04	-1.80E-03	5.72E-04
1.46E+02	-1.83E-04	-1.79E-03	5.31E-04
1.46E+02	-1.11E-04	-1.74E-03	5.17E-04
1.46E+02	-1.48E-04	-1.67E-03	5.35E-04
1.46E+02	-2.68E-04	-1.63E-03	5.18E-04
1.46E+02	-4.11E-04	-1.58E-03	6.06E-04
1.46E+02	-5.74E-04	-1.55E-03	8.03E-04
1.46E+02	-7.22E-04	-1.60E-03	9.97E-04
1.46E+02	-8.87E-04	-1.70E-03	1.23E-03
1.46E+02	-1.01E-03	-1.88E-03	1.43E-03

1.46E+02	-1.00E-03	-2.09E-03	1.57E-03
1.46E+02	-9.55E-04	-2.30E-03	1.73E-03
1.46E+02	-8.73E-04	-2.53E-03	1.79E-03
1.46E+02	-7.25E-04	-2.71E-03	1.87E-03
1.46E+02	-5.41E-04	-2.82E-03	1.99E-03
1.46E+02	-3.60E-04	-2.96E-03	1.97E-03
1.46E+02	-2.53E-04	-3.10E-03	1.93E-03
1.46E+02	-2.26E-04	-3.25E-03	1.87E-03
1.46E+02	-2.15E-04	-3.37E-03	1.76E-03
1.46E+02	-2.62E-04	-3.47E-03	1.67E-03
1.46E+02	-3.81E-04	-3.59E-03	1.49E-03
1.46E+02	-5.08E-04	-3.67E-03	1.33E-03
1.46E+02	-6.37E-04	-3.68E-03	1.27E-03
1.46E+02	-7.57E-04	-3.66E-03	1.18E-03
1.46E+02	-9.07E-04	-3.61E-03	1.08E-03
1.46E+02	-1.09E-03	-3.54E-03	9.84E-04
1.46E+02	-1.22E-03	-3.45E-03	8.71E-04
1.46E+02	-1.30E-03	-3.31E-03	8.49E-04
1.46E+02	-1.41E-03	-3.17E-03	8.74E-04
1.46E+02	-1.49E-03	-3.00E-03	9.75E-04
1.46E+02	-1.56E-03	-2.80E-03	1.15E-03
1.46E+02	-1.63E-03	-2.66E-03	1.29E-03
1.46E+02	-1.68E-03	-2.55E-03	1.43E-03
1.46E+02	-1.75E-03	-2.46E-03	1.59E-03
1.46E+02	-1.75E-03	-2.38E-03	1.69E-03
1.46E+02	-1.73E-03	-2.28E-03	1.74E-03
1.46E+02	-1.75E-03	-2.21E-03	1.65E-03
1.46E+02	-1.76E-03	-2.14E-03	1.48E-03
1.46E+02	-1.76E-03	-2.03E-03	1.34E-03
1.46E+02	-1.75E-03	-1.92E-03	1.21E-03
1.46E+02	-1.77E-03	-1.82E-03	1.09E-03
1.46E+02	-1.85E-03	-1.73E-03	9.99E-04
1.46E+02	-1.88E-03	-1.68E-03	9.19E-04
1.46E+02	-1.89E-03	-1.63E-03	8.79E-04
1.46E+02	-1.91E-03	-1.65E-03	8.59E-04
1.46E+02	-1.94E-03	-1.72E-03	8.69E-04
1.46E+02	-1.95E-03	-1.76E-03	9.79E-04
1.46E+02	-1.93E-03	-1.83E-03	1.07E-03
1.46E+02	-1.91E-03	-1.93E-03	1.11E-03
1.46E+02	-1.93E-03	-2.00E-03	1.17E-03
1.46E+02	-1.90E-03	-2.06E-03	1.23E-03
1.46E+02	-1.82E-03	-2.08E-03	1.33E-03
1.46E+02	-1.78E-03	-2.10E-03	1.41E-03
1.46E+02	-1.71E-03	-2.14E-03	1.42E-03
1.46E+02	-1.62E-03	-2.17E-03	1.47E-03
1.46E+02	-1.53E-03	-2.19E-03	1.49E-03
1.46E+02	-1.41E-03	-2.22E-03	1.41E-03

1.46E+02	-1.38E-03	-2.26E-03	1.27E-03
1.46E+02	-1.33E-03	-2.30E-03	1.06E-03
1.46E+02	-1.26E-03	-2.30E-03	8.64E-04
1.46E+02	-1.24E-03	-2.29E-03	6.93E-04
1.46E+02	-1.23E-03	-2.29E-03	5.50E-04
1.46E+02	-1.21E-03	-2.25E-03	5.24E-04
1.46E+02	-1.17E-03	-2.20E-03	5.34E-04
1.46E+02	-1.09E-03	-2.15E-03	4.74E-04
1.46E+02	-1.00E-03	-2.10E-03	4.49E-04
1.46E+02	-8.64E-04	-2.00E-03	4.77E-04
1.46E+02	-6.28E-04	-1.86E-03	4.74E-04
1.46E+02	-3.81E-04	-1.71E-03	4.12E-04
1.46E+02	-1.22E-04	-1.59E-03	2.79E-04
1.46E+02	1.66E-04	-1.49E-03	2.16E-04
1.46E+02	4.63E-04	-1.38E-03	2.54E-04
1.46E+02	7.46E-04	-1.32E-03	3.11E-04
1.46E+02	9.22E-04	-1.32E-03	4.22E-04
1.46E+02	1.03E-03	-1.38E-03	5.25E-04
1.46E+02	1.13E-03	-1.46E-03	6.07E-04
1.46E+02	1.15E-03	-1.55E-03	6.89E-04
1.46E+02	1.10E-03	-1.65E-03	6.57E-04
1.46E+02	1.00E-03	-1.73E-03	5.75E-04
1.46E+02	8.79E-04	-1.76E-03	4.96E-04
1.47E+02	7.95E-04	-1.77E-03	3.44E-04
1.47E+02	7.07E-04	-1.74E-03	1.91E-04
1.47E+02	6.25E-04	-1.65E-03	9.31E-05
1.47E+02	6.36E-04	-1.52E-03	4.79E-05
1.47E+02	6.71E-04	-1.37E-03	8.77E-06
1.47E+02	6.98E-04	-1.28E-03	-1.28E-04
1.47E+02	7.55E-04	-1.23E-03	-2.41E-04
1.47E+02	8.28E-04	-1.19E-03	-2.27E-04
1.47E+02	9.17E-04	-1.18E-03	-1.56E-04
1.47E+02	9.59E-04	-1.20E-03	-7.06E-06
1.47E+02	9.51E-04	-1.23E-03	1.61E-04
1.47E+02	9.79E-04	-1.24E-03	2.97E-04
1.47E+02	9.78E-04	-1.23E-03	4.68E-04
1.47E+02	8.91E-04	-1.23E-03	5.67E-04
1.47E+02	7.51E-04	-1.23E-03	5.94E-04
1.47E+02	5.48E-04	-1.18E-03	6.63E-04
1.47E+02	3.11E-04	-1.11E-03	6.86E-04
1.47E+02	2.37E-05	-1.04E-03	6.96E-04
1.47E+02	-3.23E-04	-9.55E-04	7.33E-04
1.47E+02	-6.16E-04	-8.54E-04	7.49E-04
1.47E+02	-8.58E-04	-7.28E-04	7.85E-04
1.47E+02	-1.09E-03	-6.45E-04	7.06E-04
1.47E+02	-1.23E-03	-5.95E-04	5.01E-04
1.47E+02	-1.25E-03	-5.11E-04	3.28E-04

1.47E+02	-1.18E-03	-4.30E-04	1.14E-04
1.47E+02	-1.06E-03	-3.68E-04	-1.06E-04
1.47E+02	-9.50E-04	-3.26E-04	-2.72E-04
1.47E+02	-7.78E-04	-3.01E-04	-4.28E-04
1.47E+02	-5.74E-04	-2.80E-04	-5.22E-04
1.47E+02	-4.20E-04	-3.06E-04	-6.22E-04
1.47E+02	-2.68E-04	-3.81E-04	-7.41E-04
1.47E+02	-1.07E-04	-4.53E-04	-7.51E-04
1.47E+02	5.40E-05	-5.36E-04	-7.10E-04
1.47E+02	1.99E-04	-6.54E-04	-6.35E-04
1.47E+02	2.76E-04	-8.04E-04	-4.71E-04
1.47E+02	3.45E-04	-9.64E-04	-2.84E-04
1.47E+02	4.14E-04	-1.10E-03	-8.03E-05
1.47E+02	4.21E-04	-1.23E-03	6.39E-05
1.47E+02	4.23E-04	-1.36E-03	8.64E-05
1.47E+02	4.48E-04	-1.41E-03	9.65E-05
1.47E+02	4.99E-04	-1.40E-03	7.29E-05
1.47E+02	5.63E-04	-1.33E-03	2.42E-05
1.47E+02	5.82E-04	-1.25E-03	3.89E-05
1.47E+02	6.15E-04	-1.19E-03	5.78E-05
1.47E+02	6.72E-04	-1.16E-03	9.94E-05
1.47E+02	6.64E-04	-1.17E-03	1.26E-04
1.47E+02	6.33E-04	-1.23E-03	6.64E-05
1.47E+02	6.06E-04	-1.27E-03	4.56E-05
1.47E+02	5.97E-04	-1.26E-03	2.59E-05
1.47E+02	6.45E-04	-1.22E-03	-5.15E-05
1.47E+02	6.71E-04	-1.14E-03	-1.19E-04
1.47E+02	7.37E-04	-1.02E-03	-1.80E-04
1.47E+02	9.17E-04	-8.24E-04	-1.66E-04
1.47E+02	1.10E-03	-6.45E-04	-1.30E-04
1.47E+02	1.31E-03	-5.32E-04	-1.66E-04
1.47E+02	1.57E-03	-4.30E-04	-1.51E-04
1.47E+02	1.83E-03	-3.47E-04	-7.97E-05
1.47E+02	2.09E-03	-2.93E-04	-4.48E-05
1.47E+02	2.25E-03	-2.50E-04	-1.68E-05
1.47E+02	2.34E-03	-2.16E-04	-2.17E-05
1.47E+02	2.45E-03	-1.62E-04	-1.68E-05
1.47E+02	2.49E-03	-1.12E-04	3.43E-05
1.47E+02	2.46E-03	-1.21E-04	3.62E-05
1.47E+02	2.41E-03	-1.38E-04	6.73E-05
1.47E+02	2.35E-03	-1.58E-04	1.36E-04
1.47E+02	2.31E-03	-2.05E-04	1.43E-04
1.47E+02	2.24E-03	-2.48E-04	1.77E-04
1.47E+02	2.16E-03	-2.75E-04	2.12E-04
1.47E+02	2.16E-03	-2.55E-04	2.20E-04
1.47E+02	2.17E-03	-1.95E-04	2.73E-04
1.47E+02	2.16E-03	-1.70E-04	2.73E-04

1.47E+02	2.17E-03	-1.60E-04	2.24E-04
1.47E+02	2.19E-03	-1.30E-04	1.52E-04
1.47E+02	2.23E-03	-8.75E-05	-1.26E-05
1.47E+02	2.26E-03	-1.16E-05	-1.56E-04
1.47E+02	2.24E-03	5.42E-05	-2.71E-04
1.47E+02	2.27E-03	1.12E-04	-3.84E-04
1.47E+02	2.30E-03	1.88E-04	-3.97E-04
1.47E+02	2.28E-03	2.00E-04	-4.30E-04
1.47E+02	2.25E-03	1.74E-04	-5.24E-04
1.47E+02	2.22E-03	1.72E-04	-5.79E-04
1.47E+02	2.24E-03	1.78E-04	-6.53E-04
1.47E+02	2.28E-03	2.14E-04	-6.91E-04
1.47E+02	2.27E-03	2.64E-04	-6.25E-04
1.47E+02	2.30E-03	3.18E-04	-5.10E-04
1.47E+02	2.34E-03	3.83E-04	-3.32E-04
1.47E+02	2.29E-03	3.77E-04	-2.06E-04
1.47E+02	2.19E-03	2.96E-04	-1.87E-04
1.47E+02	2.02E-03	1.99E-04	-1.36E-04
1.47E+02	1.82E-03	8.72E-05	-1.28E-04
1.47E+02	1.59E-03	-1.35E-05	-1.59E-04
1.47E+02	1.29E-03	-9.40E-05	-1.58E-04
1.47E+02	1.04E-03	-1.62E-04	-2.07E-04
1.47E+02	8.44E-04	-1.91E-04	-2.33E-04
1.47E+02	6.40E-04	-2.34E-04	-2.60E-04
1.47E+02	4.75E-04	-2.95E-04	-3.53E-04
1.47E+02	3.67E-04	-3.09E-04	-3.78E-04
1.47E+02	3.05E-04	-3.09E-04	-4.14E-04
1.47E+02	2.90E-04	-3.00E-04	-5.15E-04
1.47E+02	2.65E-04	-2.62E-04	-5.66E-04
1.47E+02	2.76E-04	-2.05E-04	-6.00E-04
1.47E+02	3.36E-04	-9.77E-05	-5.85E-04
1.47E+02	3.45E-04	4.39E-06	-5.52E-04
1.47E+02	3.53E-04	7.53E-05	-5.89E-04
1.47E+02	3.94E-04	1.78E-04	-5.66E-04
1.47E+02	4.42E-04	2.97E-04	-4.94E-04
1.47E+02	4.98E-04	4.16E-04	-4.50E-04
1.47E+02	4.81E-04	5.43E-04	-3.84E-04
1.47E+02	4.58E-04	6.80E-04	-3.66E-04
1.47E+02	4.73E-04	8.11E-04	-3.65E-04
1.47E+02	4.26E-04	9.21E-04	-3.21E-04
1.47E+02	3.63E-04	1.01E-03	-3.35E-04
1.47E+02	2.91E-04	1.07E-03	-3.67E-04
1.47E+02	2.14E-04	1.12E-03	-3.91E-04
1.47E+02	1.78E-04	1.15E-03	-4.27E-04
1.47E+02	1.14E-04	1.16E-03	-3.97E-04
1.47E+02	6.47E-05	1.19E-03	-3.42E-04
1.47E+02	8.30E-05	1.23E-03	-2.76E-04

1.47E+02	8.85E-05	1.23E-03	-2.19E-04
1.47E+02	8.35E-05	1.19E-03	-2.91E-04
1.47E+02	1.21E-04	1.13E-03	-3.89E-04
1.47E+02	2.13E-04	1.10E-03	-4.44E-04
1.47E+02	3.46E-04	1.10E-03	-5.59E-04
1.47E+02	4.38E-04	1.12E-03	-7.07E-04
1.47E+02	5.08E-04	1.19E-03	-8.70E-04
1.47E+02	6.52E-04	1.31E-03	-1.02E-03
1.47E+02	7.93E-04	1.48E-03	-1.07E-03
1.47E+02	8.94E-04	1.62E-03	-1.08E-03
1.47E+02	1.01E-03	1.77E-03	-1.05E-03
1.47E+02	1.11E-03	1.94E-03	-9.60E-04
1.47E+02	1.21E-03	2.09E-03	-9.04E-04
1.47E+02	1.31E-03	2.22E-03	-8.37E-04
1.47E+02	1.35E-03	2.31E-03	-7.60E-04
1.47E+02	1.44E-03	2.35E-03	-7.12E-04
1.47E+02	1.53E-03	2.35E-03	-6.40E-04
1.47E+02	1.56E-03	2.25E-03	-6.70E-04
1.47E+02	1.61E-03	2.08E-03	-8.02E-04
1.47E+02	1.67E-03	1.92E-03	-9.02E-04
1.47E+02	1.72E-03	1.75E-03	-1.03E-03
1.47E+02	1.73E-03	1.59E-03	-1.16E-03
1.47E+02	1.66E-03	1.44E-03	-1.24E-03
1.47E+02	1.63E-03	1.34E-03	-1.30E-03
1.47E+02	1.63E-03	1.29E-03	-1.23E-03
1.47E+02	1.56E-03	1.27E-03	-1.12E-03
1.47E+02	1.49E-03	1.27E-03	-9.97E-04
1.47E+02	1.42E-03	1.34E-03	-7.74E-04
1.47E+02	1.34E-03	1.45E-03	-6.46E-04
1.47E+02	1.26E-03	1.55E-03	-6.28E-04
1.47E+02	1.13E-03	1.69E-03	-5.87E-04
1.47E+02	1.04E-03	1.81E-03	-5.93E-04
1.47E+02	9.90E-04	1.91E-03	-6.02E-04
1.47E+02	9.35E-04	1.99E-03	-6.22E-04
1.47E+02	9.16E-04	1.99E-03	-7.17E-04
1.47E+02	9.57E-04	1.98E-03	-7.38E-04
1.47E+02	1.05E-03	1.99E-03	-7.24E-04
1.47E+02	1.18E-03	1.98E-03	-7.49E-04
1.47E+02	1.27E-03	1.98E-03	-7.64E-04
1.47E+02	1.37E-03	1.97E-03	-8.59E-04
1.47E+02	1.49E-03	1.97E-03	-1.00E-03
1.47E+02	1.54E-03	1.95E-03	-1.17E-03
1.47E+02	1.58E-03	1.91E-03	-1.37E-03
1.47E+02	1.63E-03	1.93E-03	-1.41E-03
1.47E+02	1.68E-03	1.96E-03	-1.39E-03
1.47E+02	1.73E-03	1.99E-03	-1.40E-03
1.47E+02	1.72E-03	2.03E-03	-1.38E-03

1.47E+02	1.69E-03	2.06E-03	-1.35E-03
1.47E+02	1.70E-03	2.13E-03	-1.24E-03
1.47E+02	1.64E-03	2.19E-03	-1.10E-03
1.47E+02	1.55E-03	2.22E-03	-9.94E-04
1.47E+02	1.48E-03	2.28E-03	-8.28E-04
1.47E+02	1.38E-03	2.37E-03	-6.60E-04
1.47E+02	1.27E-03	2.45E-03	-5.76E-04
1.47E+02	1.13E-03	2.55E-03	-4.63E-04
1.47E+02	9.95E-04	2.63E-03	-3.21E-04
1.47E+02	9.50E-04	2.69E-03	-1.66E-04
1.47E+02	9.18E-04	2.69E-03	2.63E-05
1.47E+02	9.09E-04	2.62E-03	1.87E-04
1.47E+02	9.61E-04	2.51E-03	3.44E-04
1.47E+02	1.05E-03	2.36E-03	4.67E-04
1.47E+02	1.18E-03	2.14E-03	4.14E-04
1.47E+02	1.30E-03	1.89E-03	2.65E-04
1.47E+02	1.39E-03	1.66E-03	6.79E-05
1.47E+02	1.53E-03	1.45E-03	-1.92E-04
1.47E+02	1.63E-03	1.26E-03	-4.65E-04
1.47E+02	1.67E-03	1.06E-03	-7.88E-04
1.47E+02	1.70E-03	8.62E-04	-1.03E-03
1.47E+02	1.72E-03	7.09E-04	-1.08E-03
1.47E+02	1.73E-03	5.76E-04	-1.05E-03
1.47E+02	1.72E-03	4.90E-04	-9.49E-04
1.47E+02	1.70E-03	4.51E-04	-8.07E-04
1.47E+02	1.76E-03	4.58E-04	-7.03E-04
1.47E+02	1.88E-03	4.91E-04	-6.01E-04
1.47E+02	2.03E-03	5.06E-04	-5.44E-04
1.47E+02	2.24E-03	5.21E-04	-4.72E-04
1.47E+02	2.48E-03	5.47E-04	-3.05E-04
1.47E+02	2.70E-03	5.36E-04	-1.89E-04
1.47E+02	2.85E-03	4.80E-04	-1.22E-04
1.47E+02	2.91E-03	3.94E-04	-4.60E-05
1.47E+02	2.93E-03	3.19E-04	1.22E-05
1.47E+02	2.89E-03	2.58E-04	4.94E-05
1.48E+02	2.74E-03	1.41E-04	-8.39E-06
1.48E+02	2.57E-03	2.61E-05	-7.19E-05
1.48E+02	2.41E-03	-3.01E-05	-5.13E-05
1.48E+02	2.27E-03	-9.57E-05	-9.42E-05
1.48E+02	2.14E-03	-1.66E-04	-1.83E-04
1.48E+02	2.00E-03	-2.34E-04	-2.79E-04
1.48E+02	1.94E-03	-3.37E-04	-4.11E-04
1.48E+02	1.92E-03	-4.45E-04	-4.61E-04
1.48E+02	1.87E-03	-5.71E-04	-4.71E-04
1.48E+02	1.82E-03	-7.39E-04	-5.07E-04
1.48E+02	1.75E-03	-8.83E-04	-5.14E-04
1.48E+02	1.66E-03	-1.02E-03	-5.31E-04

1.48E+02	1.47E-03	-1.17E-03	-5.48E-04
1.48E+02	1.21E-03	-1.26E-03	-5.20E-04
1.48E+02	9.79E-04	-1.26E-03	-4.86E-04
1.48E+02	7.58E-04	-1.20E-03	-4.44E-04
1.48E+02	5.49E-04	-1.09E-03	-4.21E-04
1.48E+02	4.17E-04	-9.69E-04	-3.93E-04
1.48E+02	3.71E-04	-8.06E-04	-2.52E-04
1.48E+02	4.07E-04	-6.44E-04	-1.14E-04
1.48E+02	4.83E-04	-5.43E-04	-7.71E-05
1.48E+02	5.51E-04	-4.96E-04	-7.72E-05
1.48E+02	6.73E-04	-5.08E-04	-1.37E-04
1.48E+02	8.56E-04	-5.64E-04	-1.86E-04
1.48E+02	1.02E-03	-6.62E-04	-1.98E-04
1.48E+02	1.18E-03	-8.02E-04	-2.31E-04
1.48E+02	1.33E-03	-9.25E-04	-2.13E-04
1.48E+02	1.48E-03	-1.02E-03	-2.00E-04
1.48E+02	1.63E-03	-1.10E-03	-2.63E-04
1.48E+02	1.73E-03	-1.12E-03	-3.10E-04
1.48E+02	1.82E-03	-1.11E-03	-3.94E-04
1.48E+02	1.89E-03	-1.06E-03	-5.25E-04
1.48E+02	1.91E-03	-9.99E-04	-6.56E-04
1.48E+02	1.89E-03	-9.67E-04	-8.04E-04
1.48E+02	1.86E-03	-9.24E-04	-8.15E-04
1.48E+02	1.83E-03	-8.63E-04	-7.07E-04
1.48E+02	1.77E-03	-8.40E-04	-6.10E-04
1.48E+02	1.64E-03	-8.31E-04	-4.74E-04
1.48E+02	1.51E-03	-8.35E-04	-3.68E-04
1.48E+02	1.42E-03	-8.61E-04	-3.33E-04
1.48E+02	1.31E-03	-9.16E-04	-3.64E-04
1.48E+02	1.17E-03	-1.01E-03	-5.11E-04
1.48E+02	1.03E-03	-1.10E-03	-6.43E-04
1.48E+02	9.15E-04	-1.17E-03	-7.29E-04
1.48E+02	8.22E-04	-1.27E-03	-8.49E-04
1.48E+02	6.94E-04	-1.35E-03	-9.11E-04
1.48E+02	5.57E-04	-1.42E-03	-9.14E-04
1.48E+02	4.63E-04	-1.47E-03	-8.52E-04
1.48E+02	3.18E-04	-1.49E-03	-7.44E-04
1.48E+02	1.46E-04	-1.54E-03	-6.98E-04
1.48E+02	7.25E-06	-1.56E-03	-6.39E-04
1.48E+02	-1.18E-04	-1.54E-03	-5.72E-04
1.48E+02	-2.12E-04	-1.54E-03	-5.86E-04
1.48E+02	-3.18E-04	-1.53E-03	-5.99E-04
1.48E+02	-3.87E-04	-1.51E-03	-6.09E-04
1.48E+02	-3.55E-04	-1.46E-03	-6.10E-04
1.48E+02	-3.07E-04	-1.38E-03	-5.39E-04
1.48E+02	-2.53E-04	-1.31E-03	-4.76E-04
1.48E+02	-1.97E-04	-1.24E-03	-4.19E-04

1.48E+02	-1.65E-04	-1.16E-03	-3.50E-04
1.48E+02	-1.55E-04	-1.12E-03	-3.92E-04
1.48E+02	-2.28E-04	-1.12E-03	-4.77E-04
1.48E+02	-3.51E-04	-1.10E-03	-5.17E-04
1.48E+02	-4.50E-04	-1.08E-03	-5.00E-04
1.48E+02	-5.72E-04	-1.02E-03	-4.03E-04
1.48E+02	-7.15E-04	-9.97E-04	-3.59E-04
1.48E+02	-8.26E-04	-9.87E-04	-3.34E-04
1.48E+02	-9.11E-04	-9.40E-04	-2.45E-04
1.48E+02	-9.74E-04	-9.19E-04	-2.13E-04
1.48E+02	-1.03E-03	-8.96E-04	-2.12E-04
1.48E+02	-1.08E-03	-8.50E-04	-2.29E-04
1.48E+02	-1.07E-03	-8.19E-04	-2.91E-04
1.48E+02	-1.01E-03	-7.72E-04	-2.81E-04
1.48E+02	-9.90E-04	-7.49E-04	-2.10E-04
1.48E+02	-9.36E-04	-7.67E-04	-6.43E-05
1.48E+02	-8.66E-04	-7.77E-04	2.04E-04
1.48E+02	-7.83E-04	-8.09E-04	4.58E-04
1.48E+02	-6.94E-04	-8.43E-04	6.71E-04
1.48E+02	-6.69E-04	-8.48E-04	8.59E-04
1.48E+02	-6.13E-04	-8.09E-04	9.72E-04
1.48E+02	-5.46E-04	-7.11E-04	1.02E-03
1.48E+02	-5.43E-04	-6.30E-04	9.24E-04
1.48E+02	-5.16E-04	-5.95E-04	6.91E-04
1.48E+02	-4.59E-04	-5.57E-04	4.70E-04
1.48E+02	-3.64E-04	-5.68E-04	2.69E-04
1.48E+02	-2.61E-04	-6.32E-04	1.18E-04
1.48E+02	-2.16E-04	-7.10E-04	6.83E-05
1.48E+02	-1.39E-04	-8.13E-04	6.08E-05
1.48E+02	-5.00E-05	-8.96E-04	1.45E-04
1.48E+02	-2.75E-05	-9.65E-04	2.69E-04
1.48E+02	-3.17E-05	-1.05E-03	3.32E-04
1.48E+02	-5.09E-05	-1.12E-03	4.40E-04
1.48E+02	-8.20E-05	-1.19E-03	5.27E-04
1.48E+02	-1.31E-04	-1.30E-03	5.20E-04
1.48E+02	-2.30E-04	-1.41E-03	5.21E-04
1.48E+02	-3.04E-04	-1.50E-03	5.09E-04
1.48E+02	-3.27E-04	-1.52E-03	5.40E-04
1.48E+02	-3.87E-04	-1.51E-03	6.11E-04
1.48E+02	-4.39E-04	-1.49E-03	6.03E-04
1.48E+02	-4.67E-04	-1.44E-03	5.86E-04
1.48E+02	-4.99E-04	-1.38E-03	5.63E-04
1.48E+02	-5.23E-04	-1.34E-03	5.24E-04
1.48E+02	-5.99E-04	-1.30E-03	5.59E-04
1.48E+02	-6.76E-04	-1.26E-03	6.18E-04
1.48E+02	-7.26E-04	-1.21E-03	6.87E-04
1.48E+02	-8.35E-04	-1.15E-03	7.64E-04

1.48E+02	-9.70E-04	-1.12E-03	7.67E-04
1.48E+02	-1.09E-03	-1.06E-03	7.87E-04
1.48E+02	-1.22E-03	-9.47E-04	8.10E-04
1.48E+02	-1.33E-03	-8.62E-04	7.24E-04
1.48E+02	-1.47E-03	-7.73E-04	6.57E-04
1.48E+02	-1.58E-03	-6.69E-04	6.50E-04
1.48E+02	-1.60E-03	-5.47E-04	7.05E-04
1.48E+02	-1.60E-03	-4.15E-04	8.04E-04
1.48E+02	-1.55E-03	-3.23E-04	8.30E-04
1.48E+02	-1.42E-03	-2.26E-04	8.68E-04
1.48E+02	-1.24E-03	-8.54E-05	9.10E-04
1.48E+02	-1.01E-03	5.78E-05	8.52E-04
1.48E+02	-7.90E-04	2.27E-04	8.06E-04
1.48E+02	-5.96E-04	4.00E-04	7.77E-04
1.48E+02	-3.97E-04	5.31E-04	7.36E-04
1.48E+02	-2.78E-04	6.36E-04	7.37E-04
1.48E+02	-2.29E-04	6.98E-04	7.20E-04
1.48E+02	-2.12E-04	7.58E-04	7.03E-04
1.48E+02	-2.18E-04	8.53E-04	7.31E-04
1.48E+02	-2.29E-04	9.28E-04	7.13E-04
1.48E+02	-2.78E-04	9.95E-04	6.83E-04
1.48E+02	-3.34E-04	1.07E-03	7.13E-04
1.48E+02	-3.47E-04	1.15E-03	7.92E-04
1.48E+02	-3.59E-04	1.23E-03	9.54E-04
1.48E+02	-3.88E-04	1.29E-03	1.10E-03
1.48E+02	-4.08E-04	1.31E-03	1.19E-03
1.48E+02	-4.04E-04	1.36E-03	1.33E-03
1.48E+02	-3.95E-04	1.42E-03	1.40E-03
1.48E+02	-4.18E-04	1.47E-03	1.39E-03
1.48E+02	-4.63E-04	1.53E-03	1.34E-03
1.48E+02	-4.63E-04	1.59E-03	1.24E-03
1.48E+02	-4.42E-04	1.62E-03	1.16E-03
1.48E+02	-4.44E-04	1.58E-03	1.07E-03
1.48E+02	-4.17E-04	1.46E-03	9.49E-04
1.48E+02	-3.61E-04	1.33E-03	8.40E-04
1.48E+02	-2.89E-04	1.15E-03	6.28E-04
1.48E+02	-2.04E-04	9.65E-04	3.58E-04
1.48E+02	-1.24E-04	8.14E-04	1.50E-04
1.48E+02	2.42E-05	7.20E-04	4.69E-05
1.48E+02	2.08E-04	6.94E-04	1.26E-04
1.48E+02	3.25E-04	6.72E-04	2.77E-04
1.48E+02	4.23E-04	6.41E-04	4.45E-04
1.48E+02	5.11E-04	6.60E-04	6.73E-04
1.48E+02	5.46E-04	6.79E-04	8.21E-04
1.48E+02	5.04E-04	6.79E-04	8.85E-04
1.48E+02	3.80E-04	7.16E-04	9.33E-04
1.48E+02	2.70E-04	7.89E-04	9.59E-04

1.48E+02	1.70E-04	9.11E-04	1.02E-03
1.48E+02	4.08E-05	1.04E-03	1.02E-03
1.48E+02	-6.18E-05	1.15E-03	1.02E-03
1.48E+02	-1.13E-04	1.28E-03	1.12E-03
1.48E+02	-9.31E-05	1.39E-03	1.18E-03
1.48E+02	-3.51E-05	1.43E-03	1.17E-03
1.48E+02	9.73E-06	1.47E-03	1.15E-03
1.48E+02	1.23E-04	1.49E-03	1.05E-03
1.48E+02	3.05E-04	1.52E-03	9.43E-04
1.48E+02	4.51E-04	1.53E-03	7.92E-04
1.48E+02	6.14E-04	1.51E-03	5.98E-04
1.48E+02	7.98E-04	1.55E-03	5.15E-04
1.48E+02	9.61E-04	1.61E-03	4.51E-04
1.48E+02	1.09E-03	1.66E-03	3.60E-04
1.48E+02	1.12E-03	1.72E-03	3.06E-04
1.48E+02	1.13E-03	1.79E-03	2.26E-04
1.48E+02	1.18E-03	1.91E-03	2.02E-04
1.48E+02	1.13E-03	2.01E-03	2.41E-04
1.48E+02	1.08E-03	2.09E-03	2.67E-04
1.48E+02	1.04E-03	2.17E-03	3.59E-04
1.48E+02	9.90E-04	2.23E-03	4.10E-04
1.48E+02	9.79E-04	2.22E-03	3.54E-04
1.48E+02	9.23E-04	2.17E-03	3.05E-04
1.48E+02	8.73E-04	2.10E-03	2.25E-04
1.48E+02	8.73E-04	2.05E-03	1.51E-04
1.48E+02	8.48E-04	2.04E-03	1.06E-04
1.48E+02	8.36E-04	2.02E-03	3.60E-05
1.48E+02	8.56E-04	2.06E-03	3.64E-05
1.48E+02	9.03E-04	2.13E-03	5.99E-05
1.48E+02	9.93E-04	2.19E-03	9.54E-06
1.48E+02	1.06E-03	2.22E-03	-3.68E-05
1.48E+02	1.17E-03	2.23E-03	-1.21E-04
1.48E+02	1.35E-03	2.21E-03	-2.71E-04
1.48E+02	1.51E-03	2.15E-03	-4.08E-04
1.48E+02	1.65E-03	2.04E-03	-5.93E-04
1.48E+02	1.77E-03	1.93E-03	-7.46E-04
1.48E+02	1.85E-03	1.84E-03	-8.50E-04
1.48E+02	1.87E-03	1.73E-03	-1.03E-03
1.48E+02	1.80E-03	1.66E-03	-1.14E-03
1.48E+02	1.66E-03	1.63E-03	-1.11E-03
1.48E+02	1.52E-03	1.61E-03	-9.73E-04
1.48E+02	1.34E-03	1.60E-03	-7.56E-04
1.48E+02	1.14E-03	1.54E-03	-6.11E-04
1.48E+02	9.78E-04	1.47E-03	-4.58E-04
1.48E+02	8.66E-04	1.44E-03	-2.48E-04
1.48E+02	8.10E-04	1.40E-03	-1.09E-04
1.48E+02	7.74E-04	1.38E-03	1.03E-05

1.49E+02	7.54E-04	1.39E-03	9.96E-05
1.49E+02	8.25E-04	1.43E-03	1.11E-04
1.49E+02	9.12E-04	1.49E-03	7.61E-05
1.49E+02	9.70E-04	1.54E-03	-5.53E-05
1.49E+02	1.06E-03	1.61E-03	-1.79E-04
1.49E+02	1.14E-03	1.72E-03	-1.96E-04
1.49E+02	1.20E-03	1.79E-03	-2.59E-04
1.49E+02	1.21E-03	1.81E-03	-3.31E-04
1.49E+02	1.15E-03	1.81E-03	-3.52E-04
1.49E+02	1.10E-03	1.78E-03	-3.92E-04
1.49E+02	1.03E-03	1.75E-03	-4.14E-04
1.49E+02	9.28E-04	1.68E-03	-5.04E-04
1.49E+02	8.59E-04	1.57E-03	-6.51E-04
1.49E+02	8.35E-04	1.48E-03	-7.53E-04
1.49E+02	8.78E-04	1.39E-03	-8.93E-04
1.49E+02	9.57E-04	1.29E-03	-1.00E-03
1.49E+02	1.03E-03	1.20E-03	-1.02E-03
1.49E+02	1.17E-03	1.10E-03	-9.98E-04
1.49E+02	1.31E-03	9.93E-04	-9.06E-04
1.49E+02	1.39E-03	8.56E-04	-8.09E-04
1.49E+02	1.44E-03	6.96E-04	-7.08E-04
1.49E+02	1.47E-03	5.70E-04	-5.05E-04
1.49E+02	1.46E-03	4.42E-04	-3.14E-04
1.49E+02	1.42E-03	3.24E-04	-1.55E-04
1.49E+02	1.29E-03	2.70E-04	2.78E-05
1.49E+02	1.18E-03	2.56E-04	1.33E-04
1.49E+02	1.09E-03	2.88E-04	1.90E-04
1.49E+02	9.63E-04	3.25E-04	1.60E-04
1.49E+02	8.63E-04	3.38E-04	2.19E-05
1.49E+02	7.94E-04	3.85E-04	-7.61E-05
1.49E+02	7.41E-04	4.27E-04	-2.00E-04
1.49E+02	6.94E-04	4.27E-04	-3.63E-04
1.49E+02	6.12E-04	4.27E-04	-4.84E-04
1.49E+02	5.70E-04	4.18E-04	-5.95E-04
1.49E+02	5.40E-04	3.90E-04	-6.56E-04
1.49E+02	4.59E-04	3.62E-04	-7.06E-04
1.49E+02	3.97E-04	3.38E-04	-8.19E-04
1.49E+02	3.43E-04	3.57E-04	-8.86E-04
1.49E+02	3.01E-04	4.24E-04	-8.97E-04
1.49E+02	2.57E-04	4.83E-04	-9.04E-04
1.49E+02	1.51E-04	5.57E-04	-8.47E-04
1.49E+02	5.36E-05	6.40E-04	-7.80E-04
1.49E+02	-2.40E-05	7.02E-04	-7.02E-04
1.49E+02	-1.39E-04	7.24E-04	-6.33E-04
1.49E+02	-2.27E-04	6.54E-04	-6.76E-04
1.49E+02	-2.57E-04	5.77E-04	-6.81E-04
1.49E+02	-2.43E-04	5.23E-04	-6.30E-04

1.49E+02	-2.02E-04	4.34E-04	-6.47E-04
1.49E+02	-1.81E-04	3.58E-04	-6.41E-04
1.49E+02	-1.35E-04	2.89E-04	-5.98E-04
1.49E+02	-6.69E-05	2.09E-04	-5.28E-04
1.49E+02	-6.71E-05	1.02E-04	-4.54E-04
1.49E+02	-1.01E-04	-6.33E-05	-4.50E-04
1.49E+02	-1.46E-04	-2.18E-04	-3.98E-04
1.49E+02	-2.05E-04	-3.79E-04	-3.44E-04
1.49E+02	-2.36E-04	-5.43E-04	-3.59E-04
1.49E+02	-2.80E-04	-6.54E-04	-2.82E-04
1.49E+02	-3.03E-04	-7.54E-04	-1.77E-04
1.49E+02	-2.41E-04	-8.01E-04	-1.05E-04
1.49E+02	-1.85E-04	-8.10E-04	-4.54E-05
1.49E+02	-1.36E-04	-8.46E-04	-7.04E-05
1.49E+02	-5.49E-05	-8.54E-04	-6.26E-05
1.49E+02	1.91E-06	-8.30E-04	-9.35E-06
1.49E+02	2.06E-05	-7.90E-04	2.48E-05
1.49E+02	-5.02E-05	-7.38E-04	1.26E-04
1.49E+02	-1.70E-04	-7.02E-04	2.39E-04
1.49E+02	-2.46E-04	-6.67E-04	3.55E-04
1.49E+02	-3.50E-04	-6.54E-04	4.94E-04
1.49E+02	-4.64E-04	-6.93E-04	5.23E-04
1.49E+02	-5.43E-04	-7.14E-04	5.22E-04
1.49E+02	-6.02E-04	-7.04E-04	5.37E-04
1.49E+02	-6.09E-04	-7.10E-04	4.47E-04
1.49E+02	-6.38E-04	-7.04E-04	3.92E-04
1.49E+02	-7.02E-04	-6.84E-04	3.94E-04
1.49E+02	-7.13E-04	-6.65E-04	3.73E-04
1.49E+02	-7.44E-04	-6.38E-04	4.16E-04
1.49E+02	-8.28E-04	-6.40E-04	4.24E-04
1.49E+02	-8.82E-04	-6.41E-04	4.20E-04
1.49E+02	-9.25E-04	-5.94E-04	4.83E-04
1.49E+02	-9.40E-04	-5.24E-04	4.96E-04
1.49E+02	-9.51E-04	-4.25E-04	5.11E-04
1.49E+02	-9.91E-04	-3.15E-04	5.10E-04
1.49E+02	-9.46E-04	-2.00E-04	4.81E-04
1.49E+02	-8.84E-04	-7.55E-05	5.74E-04
1.49E+02	-8.80E-04	-1.22E-05	6.49E-04
1.49E+02	-8.82E-04	-2.48E-06	6.45E-04
1.49E+02	-9.30E-04	-1.24E-05	6.69E-04
1.49E+02	-9.95E-04	-5.87E-05	6.09E-04
1.49E+02	-1.09E-03	-1.15E-04	5.38E-04
1.49E+02	-1.26E-03	-1.78E-04	5.53E-04
1.49E+02	-1.41E-03	-2.45E-04	5.64E-04
1.49E+02	-1.56E-03	-2.86E-04	6.16E-04
1.49E+02	-1.80E-03	-3.56E-04	6.13E-04
1.49E+02	-2.06E-03	-4.69E-04	5.05E-04

1.49E+02	-2.32E-03	-5.72E-04	4.22E-04
1.49E+02	-2.57E-03	-6.70E-04	2.89E-04
1.49E+02	-2.80E-03	-7.49E-04	1.39E-04
1.49E+02	-3.02E-03	-7.87E-04	4.54E-05
1.49E+02	-3.15E-03	-7.89E-04	-4.77E-05
1.49E+02	-3.17E-03	-7.54E-04	-6.90E-05
1.49E+02	-3.19E-03	-7.23E-04	-6.71E-05
1.49E+02	-3.16E-03	-7.04E-04	-5.51E-05
1.49E+02	-3.08E-03	-6.75E-04	7.55E-05
1.49E+02	-2.98E-03	-6.92E-04	1.80E-04
1.49E+02	-2.88E-03	-7.40E-04	2.25E-04
1.49E+02	-2.79E-03	-7.49E-04	2.85E-04
1.49E+02	-2.66E-03	-7.18E-04	2.90E-04
1.49E+02	-2.48E-03	-6.09E-04	2.89E-04
1.49E+02	-2.32E-03	-4.57E-04	2.49E-04
1.49E+02	-2.15E-03	-3.22E-04	1.20E-04
1.49E+02	-1.95E-03	-1.70E-04	6.71E-05
1.49E+02	-1.76E-03	-6.69E-05	5.84E-05
1.49E+02	-1.62E-03	-4.92E-05	4.94E-05
1.49E+02	-1.56E-03	-8.91E-05	1.40E-04
1.49E+02	-1.55E-03	-1.90E-04	2.22E-04
1.49E+02	-1.53E-03	-3.05E-04	2.36E-04
1.49E+02	-1.58E-03	-4.24E-04	1.86E-04
1.49E+02	-1.64E-03	-5.18E-04	5.78E-05
1.49E+02	-1.67E-03	-5.32E-04	0.00E+00
1.49E+02	-1.67E-03	-4.88E-04	-1.56E-05
1.49E+02	-1.60E-03	-4.32E-04	-8.58E-05
1.49E+02	-1.54E-03	-3.84E-04	-1.32E-04
1.49E+02	-1.46E-03	-3.35E-04	-1.77E-04
1.49E+02	-1.32E-03	-2.86E-04	-2.12E-04
1.49E+02	-1.22E-03	-2.58E-04	-2.40E-04
1.49E+02	-1.14E-03	-2.79E-04	-3.36E-04
1.49E+02	-1.05E-03	-3.20E-04	-3.67E-04
1.49E+02	-9.88E-04	-3.46E-04	-3.09E-04
1.49E+02	-9.58E-04	-4.04E-04	-2.74E-04
1.49E+02	-1.02E-03	-4.67E-04	-2.07E-04
1.49E+02	-1.14E-03	-5.09E-04	-1.55E-04
1.49E+02	-1.22E-03	-5.47E-04	-1.60E-04
1.49E+02	-1.32E-03	-5.83E-04	-1.64E-04
1.49E+02	-1.41E-03	-6.45E-04	-2.07E-04
1.49E+02	-1.44E-03	-6.93E-04	-1.83E-04
1.49E+02	-1.43E-03	-7.01E-04	-6.31E-05
1.49E+02	-1.37E-03	-7.43E-04	-2.29E-06
1.49E+02	-1.31E-03	-7.96E-04	7.46E-05
1.49E+02	-1.28E-03	-8.23E-04	1.79E-04
1.49E+02	-1.19E-03	-8.22E-04	2.47E-04
1.49E+02	-1.10E-03	-7.66E-04	3.31E-04

1.49E+02	-1.02E-03	-7.15E-04	3.10E-04
1.49E+02	-9.19E-04	-6.53E-04	2.42E-04
1.49E+02	-7.93E-04	-5.38E-04	2.29E-04
1.49E+02	-6.59E-04	-4.57E-04	1.34E-04
1.49E+02	-5.74E-04	-4.09E-04	1.91E-05
1.49E+02	-5.42E-04	-3.70E-04	-9.14E-05
1.49E+02	-4.79E-04	-3.56E-04	-2.33E-04
1.49E+02	-4.51E-04	-3.65E-04	-3.25E-04
1.49E+02	-4.81E-04	-4.21E-04	-4.27E-04
1.49E+02	-5.09E-04	-5.18E-04	-4.86E-04
1.49E+02	-5.40E-04	-6.06E-04	-4.03E-04
1.49E+02	-5.57E-04	-7.02E-04	-3.51E-04
1.49E+02	-5.88E-04	-8.14E-04	-3.48E-04
1.49E+02	-6.51E-04	-8.92E-04	-2.99E-04
1.49E+02	-6.43E-04	-9.26E-04	-2.50E-04
1.49E+02	-5.91E-04	-9.31E-04	-1.77E-04
1.49E+02	-5.63E-04	-9.72E-04	-1.50E-04
1.49E+02	-4.96E-04	-1.04E-03	-1.53E-04
1.49E+02	-4.19E-04	-1.10E-03	-7.59E-05
1.49E+02	-3.52E-04	-1.19E-03	-2.86E-06
1.49E+02	-2.98E-04	-1.28E-03	7.53E-05
1.49E+02	-3.04E-04	-1.34E-03	1.70E-04
1.49E+02	-2.71E-04	-1.37E-03	2.21E-04
1.49E+02	-2.16E-04	-1.33E-03	2.69E-04
1.49E+02	-2.12E-04	-1.27E-03	2.55E-04
1.49E+02	-1.95E-04	-1.20E-03	1.79E-04
1.49E+02	-1.66E-04	-1.03E-03	1.78E-04
1.49E+02	-1.13E-04	-8.30E-04	1.58E-04
1.49E+02	-5.84E-05	-6.40E-04	3.41E-05
1.49E+02	-5.42E-05	-4.42E-04	-1.10E-04
1.49E+02	-2.31E-05	-2.30E-04	-2.59E-04
1.49E+02	3.17E-05	-1.72E-06	-3.40E-04
1.49E+02	4.04E-05	2.08E-04	-3.81E-04
1.49E+02	4.92E-05	3.55E-04	-4.34E-04
1.49E+02	8.03E-05	4.93E-04	-3.97E-04
1.49E+02	1.15E-04	6.17E-04	-3.82E-04
1.49E+02	1.40E-04	6.88E-04	-4.71E-04
1.49E+02	1.32E-04	7.61E-04	-5.60E-04
1.49E+02	1.39E-04	8.24E-04	-6.61E-04
1.49E+02	1.72E-04	8.71E-04	-7.43E-04
1.49E+02	1.67E-04	8.88E-04	-7.78E-04
1.49E+02	1.45E-04	8.38E-04	-7.90E-04
1.49E+02	1.34E-04	7.80E-04	-6.64E-04
1.49E+02	1.29E-04	7.01E-04	-4.36E-04
1.49E+02	1.11E-04	5.64E-04	-2.29E-04
1.49E+02	3.78E-05	4.16E-04	-2.02E-05
1.49E+02	-4.06E-05	2.84E-04	1.41E-04

1.49E+02	-8.37E-05	1.90E-04	2.70E-04
1.49E+02	-1.61E-04	1.07E-04	3.64E-04
1.49E+02	-2.40E-04	-1.07E-05	3.42E-04
1.49E+02	-2.85E-04	-1.33E-04	3.20E-04
1.49E+02	-3.15E-04	-2.51E-04	2.98E-04
1.49E+02	-3.15E-04	-3.83E-04	2.15E-04
1.49E+02	-3.43E-04	-5.38E-04	1.34E-04
1.49E+02	-3.51E-04	-6.89E-04	1.91E-05
1.49E+02	-2.86E-04	-8.12E-04	-9.27E-05
1.49E+02	-2.25E-04	-9.27E-04	-1.39E-04
1.49E+02	-1.46E-04	-1.03E-03	-1.63E-04
1.49E+02	-4.22E-05	-1.10E-03	-1.36E-04
1.50E+02	8.28E-05	-1.13E-03	-7.15E-05
1.50E+02	2.36E-04	-1.15E-03	-1.60E-05
1.50E+02	3.40E-04	-1.14E-03	7.44E-05
1.50E+02	4.31E-04	-1.09E-03	1.79E-04
1.50E+02	5.54E-04	-9.86E-04	2.64E-04
1.50E+02	6.10E-04	-8.65E-04	3.16E-04
1.50E+02	5.80E-04	-7.84E-04	2.73E-04
1.50E+02	5.21E-04	-7.23E-04	2.36E-04
1.50E+02	4.34E-04	-6.53E-04	3.03E-04
1.50E+02	3.23E-04	-6.07E-04	3.89E-04
1.50E+02	1.45E-04	-6.03E-04	4.88E-04
1.50E+02	-6.56E-05	-6.24E-04	5.66E-04
1.50E+02	-2.09E-04	-6.45E-04	5.88E-04
1.50E+02	-3.48E-04	-6.61E-04	6.05E-04
1.50E+02	-5.02E-04	-6.79E-04	5.26E-04
1.50E+02	-5.97E-04	-6.62E-04	4.38E-04
1.50E+02	-6.40E-04	-6.05E-04	4.22E-04
1.50E+02	-6.25E-04	-5.53E-04	3.30E-04
1.50E+02	-5.92E-04	-4.98E-04	2.70E-04
1.50E+02	-5.74E-04	-4.56E-04	2.80E-04
1.50E+02	-5.11E-04	-4.09E-04	2.98E-04
1.50E+02	-4.38E-04	-3.21E-04	3.55E-04
1.50E+02	-4.02E-04	-2.28E-04	3.28E-04
1.50E+02	-3.50E-04	-8.47E-05	2.70E-04
1.50E+02	-2.92E-04	1.30E-04	2.92E-04
1.50E+02	-2.57E-04	3.52E-04	2.74E-04
1.50E+02	-2.80E-04	5.61E-04	2.38E-04
1.50E+02	-3.71E-04	7.20E-04	2.10E-04
1.50E+02	-4.38E-04	8.18E-04	1.49E-04
1.50E+02	-5.06E-04	8.61E-04	1.21E-04
1.50E+02	-6.16E-04	8.21E-04	6.77E-05
1.50E+02	-7.03E-04	7.46E-04	2.06E-05
1.50E+02	-7.68E-04	6.79E-04	8.62E-05
1.50E+02	-7.88E-04	6.15E-04	1.43E-04
1.50E+02	-7.88E-04	5.83E-04	1.98E-04

1.50E+02	-8.07E-04	5.94E-04	3.02E-04
1.50E+02	-7.46E-04	6.53E-04	4.12E-04
1.50E+02	-6.47E-04	7.57E-04	5.72E-04
1.50E+02	-5.98E-04	8.22E-04	6.74E-04
1.50E+02	-5.40E-04	8.49E-04	6.58E-04
1.50E+02	-4.98E-04	9.00E-04	6.59E-04
1.50E+02	-4.83E-04	9.37E-04	6.44E-04
1.50E+02	-5.09E-04	9.65E-04	6.08E-04
1.50E+02	-6.24E-04	9.99E-04	5.91E-04
1.50E+02	-7.43E-04	1.03E-03	5.29E-04
1.50E+02	-8.64E-04	1.08E-03	5.02E-04
1.50E+02	-1.04E-03	1.10E-03	4.77E-04
1.50E+02	-1.22E-03	1.10E-03	3.81E-04
1.50E+02	-1.36E-03	1.12E-03	3.56E-04
1.50E+02	-1.47E-03	1.14E-03	3.58E-04
1.50E+02	-1.54E-03	1.13E-03	3.51E-04
1.50E+02	-1.64E-03	1.10E-03	4.25E-04
1.50E+02	-1.71E-03	1.05E-03	5.21E-04
1.50E+02	-1.74E-03	1.01E-03	6.50E-04
1.50E+02	-1.80E-03	9.28E-04	7.51E-04
1.50E+02	-1.84E-03	8.14E-04	7.74E-04
1.50E+02	-1.85E-03	7.50E-04	8.61E-04
1.50E+02	-1.82E-03	7.44E-04	9.57E-04
1.50E+02	-1.78E-03	7.81E-04	9.68E-04
1.50E+02	-1.77E-03	8.66E-04	9.53E-04
1.50E+02	-1.73E-03	9.72E-04	8.74E-04
1.50E+02	-1.65E-03	1.12E-03	7.57E-04
1.50E+02	-1.59E-03	1.26E-03	6.45E-04
1.50E+02	-1.54E-03	1.37E-03	5.03E-04
1.50E+02	-1.47E-03	1.48E-03	4.54E-04
1.50E+02	-1.38E-03	1.57E-03	4.64E-04
1.50E+02	-1.29E-03	1.61E-03	4.16E-04
1.50E+02	-1.22E-03	1.61E-03	4.05E-04
1.50E+02	-1.17E-03	1.55E-03	4.08E-04
1.50E+02	-1.10E-03	1.48E-03	4.60E-04
1.50E+02	-1.04E-03	1.39E-03	5.87E-04
1.50E+02	-1.00E-03	1.22E-03	6.70E-04
1.50E+02	-9.33E-04	1.03E-03	8.44E-04
1.50E+02	-8.48E-04	8.53E-04	1.06E-03
1.50E+02	-7.54E-04	6.52E-04	1.15E-03
1.50E+02	-6.95E-04	4.67E-04	1.24E-03
1.50E+02	-6.53E-04	3.06E-04	1.26E-03
1.50E+02	-5.58E-04	1.88E-04	1.20E-03
1.50E+02	-4.91E-04	1.17E-04	1.12E-03
1.50E+02	-4.69E-04	5.74E-05	9.28E-04
1.50E+02	-4.52E-04	4.84E-05	7.46E-04
1.50E+02	-4.57E-04	7.46E-05	6.27E-04

1.50E+02	-4.62E-04	8.16E-05	4.60E-04
1.50E+02	-5.20E-04	9.67E-05	3.49E-04
1.50E+02	-6.23E-04	1.23E-04	3.04E-04
1.50E+02	-6.83E-04	1.62E-04	2.99E-04
1.50E+02	-7.71E-04	2.23E-04	4.11E-04
1.50E+02	-9.05E-04	2.35E-04	4.84E-04
1.50E+02	-1.02E-03	2.14E-04	5.54E-04
1.50E+02	-1.12E-03	2.15E-04	6.96E-04
1.50E+02	-1.20E-03	2.02E-04	7.35E-04
1.50E+02	-1.29E-03	2.07E-04	7.37E-04
1.50E+02	-1.38E-03	2.67E-04	7.23E-04
1.50E+02	-1.37E-03	3.87E-04	6.96E-04
1.50E+02	-1.31E-03	5.64E-04	7.61E-04
1.50E+02	-1.26E-03	7.39E-04	8.10E-04
1.50E+02	-1.15E-03	9.20E-04	8.80E-04
1.50E+02	-1.01E-03	1.13E-03	9.99E-04
1.50E+02	-8.21E-04	1.31E-03	1.03E-03
1.50E+02	-6.07E-04	1.44E-03	1.04E-03
1.50E+02	-4.48E-04	1.53E-03	1.05E-03
1.50E+02	-2.53E-04	1.56E-03	1.03E-03
1.50E+02	-6.16E-05	1.56E-03	9.94E-04
1.50E+02	4.02E-05	1.49E-03	8.64E-04
1.50E+02	1.20E-04	1.40E-03	6.62E-04
1.50E+02	1.87E-04	1.36E-03	5.30E-04
1.50E+02	2.39E-04	1.36E-03	4.54E-04
1.50E+02	2.52E-04	1.39E-03	4.02E-04
1.50E+02	1.97E-04	1.43E-03	3.28E-04
1.50E+02	1.62E-04	1.46E-03	2.18E-04
1.50E+02	1.26E-04	1.47E-03	1.72E-04
1.50E+02	3.93E-05	1.44E-03	1.72E-04
1.50E+02	-6.87E-06	1.39E-03	2.36E-04
1.50E+02	-8.39E-06	1.37E-03	4.66E-04
1.50E+02	2.50E-05	1.34E-03	7.22E-04
1.50E+02	1.01E-04	1.32E-03	9.23E-04
1.50E+02	1.63E-04	1.31E-03	1.13E-03
1.50E+02	2.85E-04	1.31E-03	1.26E-03
1.50E+02	4.58E-04	1.34E-03	1.32E-03
1.50E+02	5.81E-04	1.31E-03	1.29E-03
1.50E+02	7.21E-04	1.23E-03	1.17E-03
1.50E+02	8.55E-04	1.14E-03	1.05E-03
1.50E+02	9.64E-04	1.02E-03	9.20E-04
1.50E+02	1.07E-03	9.00E-04	7.14E-04
1.50E+02	1.06E-03	7.81E-04	4.81E-04
1.50E+02	1.03E-03	6.76E-04	2.22E-04
1.50E+02	1.02E-03	6.43E-04	3.74E-05
1.50E+02	9.29E-04	6.44E-04	-7.13E-05
1.50E+02	8.24E-04	6.47E-04	-1.58E-04

1.50E+02	7.16E-04	6.80E-04	-1.11E-04
1.50E+02	6.10E-04	7.08E-04	-1.13E-05
1.50E+02	5.33E-04	6.96E-04	2.21E-05
1.50E+02	4.45E-04	6.63E-04	7.80E-05
1.50E+02	3.98E-04	6.31E-04	1.32E-04
1.50E+02	4.16E-04	6.11E-04	1.77E-04
1.50E+02	4.18E-04	5.67E-04	1.94E-04
1.50E+02	4.29E-04	4.87E-04	1.56E-04
1.50E+02	4.86E-04	4.32E-04	2.30E-04
1.50E+02	5.29E-04	3.68E-04	3.46E-04
1.50E+02	5.29E-04	2.88E-04	3.98E-04
1.50E+02	4.77E-04	2.56E-04	4.74E-04
1.50E+02	4.10E-04	2.49E-04	4.86E-04
1.50E+02	3.80E-04	3.01E-04	4.65E-04
1.50E+02	3.41E-04	4.08E-04	4.45E-04
1.50E+02	2.93E-04	4.97E-04	3.12E-04
1.50E+02	2.61E-04	6.06E-04	1.75E-04
1.50E+02	2.37E-04	7.21E-04	6.85E-05
1.50E+02	2.24E-04	8.05E-04	-6.22E-05
1.50E+02	1.71E-04	8.79E-04	-1.42E-04
1.50E+02	1.09E-04	9.44E-04	-1.64E-04
1.50E+02	8.81E-05	1.03E-03	-1.08E-04
1.50E+02	2.54E-05	1.12E-03	-4.18E-05
1.50E+02	-8.53E-05	1.15E-03	-6.62E-05
1.50E+02	-1.86E-04	1.19E-03	-5.28E-05
1.50E+02	-2.63E-04	1.22E-03	1.87E-05
1.50E+02	-2.99E-04	1.23E-03	4.20E-05
1.50E+02	-3.48E-04	1.22E-03	2.98E-05
1.50E+02	-3.69E-04	1.20E-03	-4.27E-05
1.50E+02	-2.70E-04	1.20E-03	-1.52E-04
1.50E+02	-1.52E-04	1.16E-03	-2.54E-04
1.50E+02	-1.98E-05	1.05E-03	-3.93E-04
1.50E+02	1.72E-04	9.19E-04	-4.86E-04
1.50E+02	3.58E-04	7.70E-04	-5.24E-04
1.50E+02	5.26E-04	5.92E-04	-6.13E-04
1.50E+02	6.22E-04	4.18E-04	-6.62E-04
1.50E+02	6.42E-04	2.80E-04	-6.30E-04
1.50E+02	6.66E-04	1.96E-04	-5.59E-04
1.50E+02	6.48E-04	1.52E-04	-4.64E-04
1.50E+02	5.68E-04	8.74E-05	-4.53E-04
1.50E+02	4.95E-04	1.72E-05	-4.58E-04
1.50E+02	4.26E-04	-5.91E-06	-3.99E-04
1.50E+02	3.67E-04	-2.84E-05	-3.87E-04
1.50E+02	2.90E-04	-5.38E-05	-3.95E-04
1.50E+02	1.91E-04	-3.66E-05	-3.78E-04
1.50E+02	1.68E-04	8.96E-06	-3.41E-04
1.50E+02	1.75E-04	9.84E-05	-2.52E-04

1.50E+02	1.63E-04	1.94E-04	-1.82E-04
1.50E+02	1.59E-04	2.52E-04	-1.11E-04
1.50E+02	1.49E-04	3.19E-04	5.72E-07
1.50E+02	1.62E-04	3.40E-04	-1.91E-07
1.50E+02	1.63E-04	3.19E-04	-6.77E-05
1.50E+02	1.10E-04	3.31E-04	-9.54E-05
1.50E+02	9.29E-05	3.59E-04	-1.41E-04
1.50E+02	7.02E-05	4.25E-04	-1.71E-04
1.50E+02	-1.20E-05	4.82E-04	-2.64E-04
1.50E+02	-7.46E-05	4.99E-04	-4.26E-04
1.50E+02	-1.24E-04	5.33E-04	-5.06E-04
1.50E+02	-1.31E-04	5.24E-04	-5.81E-04
1.50E+02	-1.07E-04	4.66E-04	-6.36E-04
1.50E+02	-1.14E-04	4.09E-04	-6.25E-04
1.50E+02	-5.61E-05	3.41E-04	-6.55E-04
1.50E+02	6.73E-05	2.78E-04	-6.61E-04
1.50E+02	1.73E-04	1.90E-04	-6.64E-04
1.50E+02	2.73E-04	4.98E-05	-7.33E-04
1.50E+02	3.59E-04	-8.32E-05	-7.71E-04
1.50E+02	4.41E-04	-2.13E-04	-8.73E-04
1.50E+02	5.07E-04	-3.48E-04	-1.07E-03
1.50E+02	4.90E-04	-4.34E-04	-1.21E-03
1.50E+02	4.59E-04	-4.51E-04	-1.32E-03
1.50E+02	4.51E-04	-4.08E-04	-1.36E-03
1.51E+02	3.89E-04	-3.30E-04	-1.31E-03
1.51E+02	3.30E-04	-2.58E-04	-1.25E-03
1.51E+02	3.29E-04	-1.89E-04	-1.09E-03
1.51E+02	3.86E-04	-1.31E-04	-9.12E-04
1.51E+02	4.84E-04	-1.32E-04	-8.61E-04
1.51E+02	5.69E-04	-1.67E-04	-8.65E-04
1.51E+02	6.73E-04	-2.11E-04	-9.35E-04
1.51E+02	8.07E-04	-2.68E-04	-1.04E-03
1.51E+02	8.79E-04	-3.17E-04	-1.13E-03
1.51E+02	8.79E-04	-3.87E-04	-1.27E-03
1.51E+02	8.42E-04	-4.50E-04	-1.35E-03
1.51E+02	7.76E-04	-4.87E-04	-1.39E-03
1.51E+02	6.77E-04	-5.60E-04	-1.50E-03
1.51E+02	5.29E-04	-6.17E-04	-1.57E-03
1.51E+02	3.90E-04	-6.11E-04	-1.58E-03
1.51E+02	3.20E-04	-5.67E-04	-1.54E-03
1.51E+02	2.58E-04	-5.07E-04	-1.43E-03
1.51E+02	2.13E-04	-4.74E-04	-1.38E-03
1.51E+02	2.31E-04	-4.51E-04	-1.32E-03
1.51E+02	2.94E-04	-4.25E-04	-1.17E-03
1.51E+02	3.69E-04	-4.46E-04	-1.07E-03
1.51E+02	3.75E-04	-4.86E-04	-9.83E-04
1.51E+02	3.40E-04	-5.07E-04	-9.21E-04

1.51E+02	3.25E-04	-5.11E-04	-9.03E-04
1.51E+02	2.44E-04	-4.97E-04	-8.64E-04
1.51E+02	8.24E-05	-5.09E-04	-8.63E-04
1.51E+02	-9.80E-05	-5.39E-04	-8.64E-04
1.51E+02	-2.94E-04	-5.48E-04	-8.34E-04
1.51E+02	-4.84E-04	-5.96E-04	-9.28E-04
1.51E+02	-6.68E-04	-6.77E-04	-1.07E-03
1.51E+02	-8.29E-04	-7.40E-04	-1.16E-03
1.51E+02	-9.26E-04	-8.00E-04	-1.26E-03
1.51E+02	-1.01E-03	-8.50E-04	-1.35E-03
1.51E+02	-1.11E-03	-9.15E-04	-1.50E-03
1.51E+02	-1.17E-03	-9.69E-04	-1.66E-03
1.51E+02	-1.20E-03	-9.66E-04	-1.70E-03
1.51E+02	-1.20E-03	-9.43E-04	-1.73E-03
1.51E+02	-1.21E-03	-8.90E-04	-1.75E-03
1.51E+02	-1.24E-03	-8.01E-04	-1.72E-03
1.51E+02	-1.19E-03	-6.94E-04	-1.67E-03
1.51E+02	-1.11E-03	-5.83E-04	-1.61E-03
1.51E+02	-1.06E-03	-5.16E-04	-1.58E-03
1.51E+02	-9.90E-04	-4.76E-04	-1.53E-03
1.51E+02	-9.09E-04	-4.19E-04	-1.37E-03
1.51E+02	-8.22E-04	-3.89E-04	-1.25E-03
1.51E+02	-7.58E-04	-3.88E-04	-1.15E-03
1.51E+02	-7.28E-04	-3.50E-04	-9.71E-04
1.51E+02	-6.75E-04	-2.91E-04	-8.14E-04
1.51E+02	-6.14E-04	-2.19E-04	-6.69E-04
1.51E+02	-5.87E-04	-1.43E-04	-5.83E-04
1.51E+02	-5.44E-04	-9.40E-05	-5.94E-04
1.51E+02	-4.60E-04	-2.33E-05	-5.69E-04
1.51E+02	-3.54E-04	3.40E-05	-5.75E-04
1.51E+02	-2.49E-04	3.78E-05	-6.32E-04
1.51E+02	-1.76E-04	1.72E-05	-6.54E-04
1.51E+02	-7.69E-05	-4.23E-05	-6.79E-04
1.51E+02	3.95E-05	-1.30E-04	-6.65E-04
1.51E+02	8.98E-05	-2.64E-04	-6.61E-04
1.51E+02	1.09E-04	-4.46E-04	-7.16E-04
1.51E+02	1.09E-04	-6.06E-04	-7.30E-04
1.51E+02	9.59E-05	-7.59E-04	-8.08E-04
1.51E+02	8.20E-05	-9.02E-04	-9.46E-04
1.51E+02	2.10E-05	-9.86E-04	-9.99E-04
1.51E+02	4.01E-06	-1.03E-03	-1.02E-03
1.51E+02	6.24E-05	-1.03E-03	-9.71E-04
1.51E+02	8.83E-05	-1.01E-03	-8.87E-04
1.51E+02	1.39E-04	-1.06E-03	-8.81E-04
1.51E+02	2.27E-04	-1.10E-03	-8.47E-04
1.51E+02	3.13E-04	-1.16E-03	-8.72E-04
1.51E+02	4.03E-04	-1.28E-03	-9.87E-04

1.51E+02	4.26E-04	-1.36E-03	-1.03E-03
1.51E+02	4.42E-04	-1.43E-03	-1.06E-03
1.51E+02	4.77E-04	-1.45E-03	-1.07E-03
1.51E+02	4.25E-04	-1.41E-03	-1.03E-03
1.51E+02	3.19E-04	-1.38E-03	-1.05E-03
1.51E+02	2.07E-04	-1.34E-03	-9.73E-04
1.51E+02	9.21E-05	-1.28E-03	-8.10E-04
1.51E+02	-6.87E-06	-1.29E-03	-6.90E-04
1.51E+02	-1.38E-04	-1.34E-03	-5.40E-04
1.51E+02	-2.64E-04	-1.39E-03	-4.15E-04
1.51E+02	-3.20E-04	-1.44E-03	-2.97E-04
1.51E+02	-3.80E-04	-1.48E-03	-2.01E-04
1.51E+02	-4.23E-04	-1.55E-03	-2.21E-04
1.51E+02	-4.14E-04	-1.61E-03	-1.99E-04
1.51E+02	-3.86E-04	-1.64E-03	-1.39E-04
1.51E+02	-3.45E-04	-1.70E-03	-1.52E-04
1.51E+02	-3.52E-04	-1.76E-03	-1.44E-04
1.51E+02	-3.58E-04	-1.81E-03	-1.58E-04
1.51E+02	-2.90E-04	-1.83E-03	-1.95E-04
1.51E+02	-2.47E-04	-1.82E-03	-1.90E-04
1.51E+02	-2.29E-04	-1.83E-03	-2.54E-04
1.51E+02	-2.11E-04	-1.82E-03	-3.28E-04
1.51E+02	-2.06E-04	-1.77E-03	-3.71E-04
1.51E+02	-1.83E-04	-1.74E-03	-4.90E-04
1.51E+02	-2.24E-04	-1.71E-03	-5.70E-04
1.51E+02	-3.12E-04	-1.67E-03	-5.80E-04
1.51E+02	-3.71E-04	-1.61E-03	-5.60E-04
1.51E+02	-4.78E-04	-1.54E-03	-4.85E-04
1.51E+02	-6.19E-04	-1.49E-03	-4.58E-04
1.51E+02	-7.47E-04	-1.43E-03	-3.73E-04
1.51E+02	-8.84E-04	-1.35E-03	-1.60E-04
1.51E+02	-9.94E-04	-1.28E-03	2.52E-05
1.51E+02	-1.13E-03	-1.20E-03	2.24E-04
1.51E+02	-1.31E-03	-1.14E-03	3.85E-04
1.51E+02	-1.41E-03	-1.10E-03	4.42E-04
1.51E+02	-1.50E-03	-1.07E-03	4.90E-04
1.51E+02	-1.58E-03	-1.09E-03	4.66E-04
1.51E+02	-1.63E-03	-1.09E-03	4.31E-04
1.51E+02	-1.64E-03	-1.05E-03	4.78E-04
1.51E+02	-1.59E-03	-1.01E-03	4.49E-04
1.51E+02	-1.53E-03	-9.60E-04	3.95E-04
1.51E+02	-1.53E-03	-9.11E-04	3.52E-04
1.51E+02	-1.47E-03	-8.79E-04	2.51E-04
1.51E+02	-1.39E-03	-8.35E-04	1.82E-04
1.51E+02	-1.38E-03	-8.42E-04	5.99E-05
1.51E+02	-1.37E-03	-8.97E-04	-8.30E-05
1.51E+02	-1.35E-03	-9.33E-04	-6.75E-05

1.51E+02	-1.33E-03	-1.01E-03	2.48E-06
1.51E+02	-1.32E-03	-1.11E-03	1.02E-04
1.51E+02	-1.36E-03	-1.23E-03	2.21E-04
1.51E+02	-1.33E-03	-1.35E-03	2.63E-04
1.51E+02	-1.25E-03	-1.42E-03	3.08E-04
1.51E+02	-1.19E-03	-1.47E-03	3.02E-04
1.51E+02	-1.09E-03	-1.51E-03	2.35E-04
1.51E+02	-9.59E-04	-1.48E-03	2.77E-04
1.51E+02	-8.02E-04	-1.43E-03	2.99E-04
1.51E+02	-6.43E-04	-1.42E-03	2.51E-04
1.51E+02	-5.47E-04	-1.43E-03	2.57E-04
1.51E+02	-4.45E-04	-1.48E-03	2.67E-04
1.51E+02	-3.23E-04	-1.52E-03	3.23E-04
1.51E+02	-2.52E-04	-1.60E-03	3.79E-04
1.51E+02	-1.74E-04	-1.72E-03	3.99E-04
1.51E+02	-7.36E-05	-1.77E-03	5.60E-04
1.51E+02	2.77E-05	-1.79E-03	7.42E-04
1.51E+02	1.28E-04	-1.84E-03	8.23E-04
1.51E+02	1.62E-04	-1.87E-03	8.37E-04
1.51E+02	2.07E-04	-1.92E-03	7.14E-04
1.51E+02	3.14E-04	-1.96E-03	5.57E-04
1.51E+02	3.79E-04	-2.03E-03	4.11E-04
1.51E+02	4.59E-04	-2.13E-03	2.76E-04
1.51E+02	5.83E-04	-2.19E-03	2.88E-04
1.51E+02	6.82E-04	-2.27E-03	3.43E-04
1.51E+02	7.82E-04	-2.40E-03	3.71E-04
1.51E+02	8.27E-04	-2.52E-03	4.55E-04
1.51E+02	8.48E-04	-2.63E-03	5.47E-04
1.51E+02	9.23E-04	-2.70E-03	6.52E-04
1.51E+02	9.69E-04	-2.74E-03	7.32E-04
1.51E+02	1.01E-03	-2.82E-03	7.22E-04
1.51E+02	1.09E-03	-2.87E-03	7.42E-04
1.51E+02	1.19E-03	-2.89E-03	7.90E-04
1.51E+02	1.31E-03	-2.94E-03	7.65E-04
1.51E+02	1.37E-03	-2.98E-03	7.35E-04
1.51E+02	1.42E-03	-3.00E-03	6.80E-04
1.51E+02	1.51E-03	-3.00E-03	6.06E-04
1.51E+02	1.57E-03	-2.98E-03	5.68E-04
1.51E+02	1.59E-03	-2.98E-03	4.91E-04
1.51E+02	1.56E-03	-3.02E-03	4.63E-04
1.51E+02	1.50E-03	-3.04E-03	4.95E-04
1.51E+02	1.41E-03	-3.11E-03	4.48E-04
1.51E+02	1.26E-03	-3.20E-03	4.34E-04
1.51E+02	1.10E-03	-3.25E-03	4.79E-04
1.51E+02	1.01E-03	-3.24E-03	5.09E-04
1.51E+02	9.45E-04	-3.17E-03	5.39E-04
1.51E+02	9.04E-04	-3.10E-03	5.14E-04

1.51E+02	9.36E-04	-3.02E-03	5.12E-04
1.51E+02	1.02E-03	-2.92E-03	5.89E-04
1.51E+02	1.13E-03	-2.85E-03	6.29E-04
1.51E+02	1.19E-03	-2.82E-03	6.95E-04
1.51E+02	1.21E-03	-2.80E-03	7.99E-04
1.51E+02	1.25E-03	-2.79E-03	8.86E-04
1.51E+02	1.26E-03	-2.78E-03	1.02E-03
1.51E+02	1.20E-03	-2.76E-03	1.08E-03
1.51E+02	1.12E-03	-2.73E-03	1.08E-03
1.51E+02	1.04E-03	-2.68E-03	1.07E-03
1.51E+02	9.70E-04	-2.65E-03	9.67E-04
1.51E+02	8.76E-04	-2.64E-03	8.21E-04
1.51E+02	7.67E-04	-2.65E-03	7.11E-04
1.51E+02	7.29E-04	-2.65E-03	6.28E-04
1.51E+02	7.21E-04	-2.63E-03	5.63E-04
1.51E+02	7.03E-04	-2.62E-03	4.37E-04
1.51E+02	7.19E-04	-2.59E-03	3.31E-04
1.51E+02	7.82E-04	-2.49E-03	3.66E-04
1.51E+02	8.74E-04	-2.37E-03	4.64E-04
1.51E+02	9.37E-04	-2.23E-03	6.08E-04
1.51E+02	9.53E-04	-2.04E-03	7.91E-04
1.51E+02	1.00E-03	-1.82E-03	9.53E-04
1.51E+02	1.06E-03	-1.60E-03	1.13E-03
1.51E+02	1.06E-03	-1.42E-03	1.27E-03
1.51E+02	1.03E-03	-1.29E-03	1.30E-03
1.51E+02	9.92E-04	-1.16E-03	1.36E-03
1.51E+02	9.71E-04	-1.06E-03	1.36E-03
1.51E+02	9.04E-04	-1.03E-03	1.24E-03
1.51E+02	7.58E-04	-1.03E-03	1.12E-03
1.51E+02	6.41E-04	-1.04E-03	1.01E-03
1.51E+02	5.17E-04	-1.04E-03	9.59E-04
1.51E+02	3.28E-04	-1.07E-03	9.05E-04
1.51E+02	1.68E-04	-1.15E-03	7.88E-04
1.51E+02	3.87E-05	-1.17E-03	7.72E-04
1.51E+02	-5.55E-05	-1.16E-03	7.94E-04
1.51E+02	-9.71E-05	-1.14E-03	8.26E-04
1.52E+02	-1.33E-04	-1.08E-03	9.55E-04
1.52E+02	-9.94E-05	-9.83E-04	1.08E-03
1.52E+02	-1.72E-06	-8.43E-04	1.22E-03
1.52E+02	6.05E-05	-7.02E-04	1.32E-03
1.52E+02	1.16E-04	-6.00E-04	1.31E-03
1.52E+02	1.85E-04	-4.59E-04	1.33E-03
1.52E+02	2.37E-04	-3.28E-04	1.29E-03
1.52E+02	2.60E-04	-2.43E-04	1.14E-03
1.52E+02	2.17E-04	-1.39E-04	1.00E-03
1.52E+02	1.52E-04	-4.08E-05	8.75E-04
1.52E+02	1.02E-04	6.16E-05	7.64E-04

1.52E+02	1.01E-05	1.40E-04	6.47E-04
1.52E+02	-8.18E-05	1.51E-04	4.57E-04
1.52E+02	-1.40E-04	1.55E-04	3.51E-04
1.52E+02	-1.60E-04	1.46E-04	3.07E-04
1.52E+02	-1.52E-04	1.02E-04	2.29E-04
1.52E+02	-1.73E-04	4.50E-05	1.54E-04
1.52E+02	-1.69E-04	-4.41E-05	1.98E-05
1.52E+02	-1.11E-04	-1.39E-04	-1.22E-04
1.52E+02	-6.69E-05	-2.40E-04	-2.05E-04
1.52E+02	-2.04E-05	-3.72E-04	-2.85E-04
1.52E+02	6.08E-05	-4.55E-04	-2.32E-04
1.52E+02	1.75E-04	-4.86E-04	-5.36E-05
1.52E+02	3.25E-04	-5.13E-04	1.03E-04
1.52E+02	4.58E-04	-4.97E-04	2.80E-04
1.52E+02	5.82E-04	-4.39E-04	4.11E-04
1.52E+02	7.54E-04	-3.35E-04	4.45E-04
1.52E+02	9.03E-04	-2.16E-04	4.08E-04
1.52E+02	1.01E-03	-1.66E-04	2.29E-04
1.52E+02	1.11E-03	-1.42E-04	5.87E-05
1.52E+02	1.21E-03	-1.18E-04	-2.17E-05
1.52E+02	1.29E-03	-1.37E-04	-1.25E-04
1.52E+02	1.29E-03	-1.71E-04	-2.15E-04
1.52E+02	1.23E-03	-1.99E-04	-3.28E-04
1.52E+02	1.18E-03	-2.14E-04	-4.56E-04
1.52E+02	1.09E-03	-1.95E-04	-5.08E-04
1.52E+02	9.79E-04	-1.75E-04	-5.78E-04
1.52E+02	8.84E-04	-1.40E-04	-6.17E-04
1.52E+02	8.05E-04	-6.98E-05	-5.75E-04
1.52E+02	7.53E-04	-2.37E-05	-6.20E-04
1.52E+02	6.93E-04	1.28E-05	-7.02E-04
1.52E+02	6.24E-04	7.15E-05	-7.49E-04
1.52E+02	6.35E-04	1.64E-04	-7.61E-04
1.52E+02	6.74E-04	2.99E-04	-6.74E-04
1.52E+02	6.83E-04	4.21E-04	-6.03E-04
1.52E+02	7.19E-04	5.43E-04	-5.45E-04
1.52E+02	7.52E-04	7.08E-04	-4.28E-04
1.52E+02	7.67E-04	8.58E-04	-3.87E-04
1.52E+02	7.47E-04	9.84E-04	-4.07E-04
1.52E+02	6.79E-04	1.11E-03	-4.33E-04
1.52E+02	6.66E-04	1.24E-03	-5.06E-04
1.52E+02	6.85E-04	1.37E-03	-5.50E-04
1.52E+02	6.89E-04	1.45E-03	-5.97E-04
1.52E+02	7.11E-04	1.46E-03	-6.78E-04
1.52E+02	7.52E-04	1.45E-03	-6.93E-04
1.52E+02	8.30E-04	1.40E-03	-7.43E-04
1.52E+02	8.86E-04	1.30E-03	-8.52E-04
1.52E+02	9.04E-04	1.20E-03	-9.17E-04

1.52E+02	9.75E-04	1.12E-03	-9.51E-04
1.52E+02	1.08E-03	1.08E-03	-9.09E-04
1.52E+02	1.18E-03	1.03E-03	-8.80E-04
1.52E+02	1.32E-03	9.49E-04	-9.15E-04
1.52E+02	1.48E-03	8.85E-04	-8.84E-04
1.52E+02	1.66E-03	8.12E-04	-8.71E-04
1.52E+02	1.82E-03	7.12E-04	-9.02E-04
1.52E+02	1.92E-03	6.30E-04	-8.92E-04
1.52E+02	2.01E-03	5.51E-04	-9.06E-04
1.52E+02	2.07E-03	4.97E-04	-9.34E-04
1.52E+02	2.02E-03	4.42E-04	-9.90E-04
1.52E+02	1.91E-03	3.64E-04	-1.10E-03
1.52E+02	1.77E-03	3.21E-04	-1.15E-03
1.52E+02	1.61E-03	2.80E-04	-1.19E-03
1.52E+02	1.44E-03	2.38E-04	-1.23E-03
1.52E+02	1.24E-03	2.43E-04	-1.16E-03
1.52E+02	1.08E-03	2.82E-04	-1.01E-03
1.52E+02	9.76E-04	3.52E-04	-8.05E-04
1.52E+02	8.59E-04	3.99E-04	-6.29E-04
1.52E+02	7.70E-04	3.83E-04	-5.90E-04
1.52E+02	7.15E-04	3.46E-04	-5.95E-04
1.52E+02	6.94E-04	3.04E-04	-6.19E-04
1.52E+02	7.19E-04	2.81E-04	-6.42E-04
1.52E+02	7.15E-04	3.12E-04	-6.14E-04
1.52E+02	7.41E-04	3.95E-04	-5.83E-04
1.52E+02	8.15E-04	5.25E-04	-5.13E-04
1.52E+02	8.29E-04	6.57E-04	-4.13E-04
1.52E+02	8.09E-04	7.47E-04	-3.64E-04
1.52E+02	7.64E-04	8.34E-04	-2.75E-04
1.52E+02	6.81E-04	9.11E-04	-2.04E-04
1.52E+02	5.80E-04	9.40E-04	-2.60E-04
1.52E+02	4.18E-04	9.66E-04	-3.33E-04
1.52E+02	2.65E-04	1.00E-03	-4.12E-04
1.52E+02	1.95E-04	1.07E-03	-4.47E-04
1.52E+02	1.44E-04	1.14E-03	-4.15E-04
1.52E+02	1.34E-04	1.15E-03	-4.42E-04
1.52E+02	2.01E-04	1.12E-03	-4.45E-04
1.52E+02	3.23E-04	1.07E-03	-3.89E-04
1.52E+02	4.96E-04	9.50E-04	-3.75E-04
1.52E+02	6.53E-04	7.87E-04	-3.72E-04
1.52E+02	8.06E-04	6.18E-04	-4.02E-04
1.52E+02	1.00E-03	4.59E-04	-4.78E-04
1.52E+02	1.16E-03	3.19E-04	-5.65E-04
1.52E+02	1.25E-03	1.83E-04	-7.17E-04
1.52E+02	1.32E-03	5.84E-05	-8.48E-04
1.52E+02	1.40E-03	-2.40E-05	-8.70E-04
1.52E+02	1.49E-03	-9.99E-05	-8.36E-04

1.52E+02	1.51E-03	-1.70E-04	-7.45E-04
1.52E+02	1.50E-03	-2.10E-04	-6.56E-04
1.52E+02	1.49E-03	-2.27E-04	-6.18E-04
1.52E+02	1.43E-03	-1.98E-04	-6.08E-04
1.52E+02	1.33E-03	-2.10E-04	-6.84E-04
1.52E+02	1.24E-03	-2.55E-04	-7.44E-04
1.52E+02	1.17E-03	-2.61E-04	-6.81E-04
1.52E+02	1.11E-03	-3.13E-04	-6.28E-04
1.52E+02	1.02E-03	-3.84E-04	-5.72E-04
1.52E+02	9.16E-04	-4.43E-04	-5.16E-04
1.52E+02	8.67E-04	-5.12E-04	-5.10E-04
1.52E+02	8.26E-04	-5.33E-04	-4.57E-04
1.52E+02	7.75E-04	-5.28E-04	-4.26E-04
1.52E+02	7.65E-04	-5.02E-04	-4.19E-04
1.52E+02	8.17E-04	-3.99E-04	-3.21E-04
1.52E+02	9.49E-04	-2.65E-04	-2.26E-04
1.52E+02	1.11E-03	-1.43E-04	-1.04E-04
1.52E+02	1.25E-03	-2.86E-05	7.25E-05
1.52E+02	1.44E-03	6.18E-05	1.89E-04
1.52E+02	1.61E-03	1.31E-04	2.50E-04
1.52E+02	1.72E-03	1.53E-04	1.65E-04
1.52E+02	1.82E-03	1.26E-04	-3.24E-05
1.52E+02	1.90E-03	1.28E-04	-1.32E-04
1.52E+02	1.96E-03	1.45E-04	-1.81E-04
1.52E+02	1.94E-03	1.64E-04	-1.94E-04
1.52E+02	1.82E-03	2.33E-04	-1.22E-04
1.52E+02	1.69E-03	3.10E-04	-4.96E-05
1.52E+02	1.52E-03	3.83E-04	4.48E-05
1.52E+02	1.29E-03	4.44E-04	1.09E-04
1.52E+02	1.05E-03	4.53E-04	8.49E-05
1.52E+02	8.34E-04	4.66E-04	1.09E-04
1.52E+02	6.65E-04	4.78E-04	1.55E-04
1.52E+02	5.37E-04	4.35E-04	2.06E-04
1.52E+02	4.11E-04	3.73E-04	3.27E-04
1.52E+02	3.48E-04	2.94E-04	4.64E-04
1.52E+02	3.46E-04	2.06E-04	6.17E-04
1.52E+02	3.24E-04	1.07E-04	7.14E-04
1.52E+02	3.38E-04	-1.77E-05	7.01E-04
1.52E+02	4.06E-04	-1.02E-04	6.84E-04
1.52E+02	5.14E-04	-1.44E-04	6.44E-04
1.52E+02	6.32E-04	-1.79E-04	5.56E-04
1.52E+02	7.04E-04	-1.82E-04	4.82E-04
1.52E+02	7.99E-04	-1.54E-04	3.60E-04
1.52E+02	9.07E-04	-1.13E-04	1.97E-04
1.52E+02	9.34E-04	-8.45E-05	4.88E-05
1.52E+02	9.07E-04	-7.13E-05	-1.45E-04
1.52E+02	8.76E-04	-1.34E-06	-2.88E-04

1.52E+02	8.12E-04	1.31E-04	-3.51E-04
1.52E+02	7.17E-04	3.06E-04	-4.06E-04
1.52E+02	5.95E-04	5.12E-04	-3.62E-04
1.52E+02	4.59E-04	6.98E-04	-2.62E-04
1.52E+02	3.83E-04	8.83E-04	-1.42E-04
1.52E+02	3.16E-04	1.03E-03	5.34E-06
1.52E+02	2.69E-04	1.08E-03	8.03E-05
1.52E+02	3.29E-04	1.10E-03	2.04E-04
1.52E+02	4.75E-04	1.14E-03	3.99E-04
1.52E+02	6.86E-04	1.14E-03	5.34E-04
1.52E+02	9.14E-04	1.15E-03	6.64E-04
1.52E+02	1.17E-03	1.18E-03	7.82E-04
1.52E+02	1.50E-03	1.26E-03	8.58E-04
1.52E+02	1.79E-03	1.33E-03	8.76E-04
1.52E+02	2.03E-03	1.38E-03	7.84E-04
1.52E+02	2.24E-03	1.46E-03	6.88E-04
1.52E+02	2.40E-03	1.55E-03	6.24E-04
1.52E+02	2.53E-03	1.64E-03	5.13E-04
1.52E+02	2.52E-03	1.69E-03	3.99E-04
1.52E+02	2.42E-03	1.71E-03	3.19E-04
1.52E+02	2.34E-03	1.78E-03	2.75E-04
1.52E+02	2.18E-03	1.81E-03	2.62E-04
1.52E+02	1.96E-03	1.83E-03	1.78E-04
1.52E+02	1.79E-03	1.83E-03	5.93E-05
1.52E+02	1.64E-03	1.80E-03	7.36E-05
1.52E+02	1.53E-03	1.80E-03	1.75E-04
1.52E+02	1.43E-03	1.75E-03	2.60E-04
1.52E+02	1.33E-03	1.66E-03	3.26E-04
1.52E+02	1.29E-03	1.58E-03	3.53E-04
1.52E+02	1.26E-03	1.46E-03	2.82E-04
1.52E+02	1.24E-03	1.31E-03	9.78E-05
1.52E+02	1.25E-03	1.19E-03	-4.84E-05
1.52E+02	1.31E-03	1.14E-03	-7.65E-05
1.52E+02	1.39E-03	1.11E-03	-1.29E-04
1.52E+02	1.44E-03	1.09E-03	-1.71E-04
1.52E+02	1.43E-03	1.11E-03	-1.58E-04
1.52E+02	1.44E-03	1.15E-03	-1.67E-04
1.52E+02	1.43E-03	1.24E-03	-1.61E-04
1.52E+02	1.35E-03	1.31E-03	-1.97E-04
1.52E+02	1.26E-03	1.36E-03	-2.60E-04
1.52E+02	1.22E-03	1.43E-03	-2.40E-04
1.52E+02	1.18E-03	1.47E-03	-2.15E-04
1.52E+02	1.12E-03	1.48E-03	-1.79E-04
1.52E+02	1.01E-03	1.47E-03	-1.11E-04
1.52E+02	9.13E-04	1.47E-03	-8.01E-05
1.52E+02	8.19E-04	1.50E-03	-7.55E-05
1.52E+02	6.74E-04	1.53E-03	-1.44E-04

1.52E+02	5.18E-04	1.56E-03	-2.61E-04
1.53E+02	3.88E-04	1.63E-03	-3.00E-04
1.53E+02	2.95E-04	1.71E-03	-3.07E-04
1.53E+02	2.05E-04	1.78E-03	-2.83E-04
1.53E+02	1.16E-04	1.84E-03	-1.84E-04
1.53E+02	1.05E-04	1.86E-03	-7.72E-05
1.53E+02	1.57E-04	1.86E-03	3.95E-05
1.53E+02	2.01E-04	1.80E-03	8.22E-05
1.53E+02	2.80E-04	1.69E-03	3.87E-05
1.53E+02	4.15E-04	1.57E-03	6.31E-05
1.53E+02	5.87E-04	1.46E-03	8.09E-05
1.53E+02	7.58E-04	1.33E-03	5.00E-05
1.53E+02	8.75E-04	1.20E-03	4.29E-05
1.53E+02	1.01E-03	1.09E-03	1.37E-05
1.53E+02	1.16E-03	9.85E-04	-8.20E-06
1.53E+02	1.25E-03	8.92E-04	-7.06E-05
1.53E+02	1.32E-03	8.04E-04	-2.06E-04
1.53E+02	1.38E-03	7.36E-04	-2.74E-04
1.53E+02	1.45E-03	7.34E-04	-3.29E-04
1.53E+02	1.50E-03	7.28E-04	-3.64E-04
1.53E+02	1.48E-03	7.49E-04	-2.83E-04
1.53E+02	1.47E-03	8.25E-04	-1.71E-04
1.53E+02	1.45E-03	9.00E-04	-3.81E-07
1.53E+02	1.34E-03	9.83E-04	1.58E-04
1.53E+02	1.19E-03	1.01E-03	2.11E-04
1.53E+02	1.05E-03	1.06E-03	3.03E-04
1.53E+02	9.32E-04	1.16E-03	4.06E-04
1.53E+02	8.13E-04	1.24E-03	4.89E-04
1.53E+02	6.79E-04	1.35E-03	6.18E-04
1.53E+02	5.58E-04	1.48E-03	6.98E-04
1.53E+02	4.91E-04	1.63E-03	7.20E-04
1.53E+02	4.06E-04	1.79E-03	7.27E-04
1.53E+02	2.83E-04	1.90E-03	6.53E-04
1.53E+02	1.70E-04	1.99E-03	5.51E-04
1.53E+02	6.16E-05	2.09E-03	4.52E-04
1.53E+02	-4.77E-05	2.15E-03	3.15E-04
1.53E+02	-2.04E-04	2.19E-03	2.32E-04
1.53E+02	-3.94E-04	2.20E-03	1.60E-04
1.53E+02	-5.57E-04	2.23E-03	1.02E-04
1.53E+02	-7.45E-04	2.25E-03	1.17E-04
1.53E+02	-9.27E-04	2.23E-03	7.48E-05
1.53E+02	-1.03E-03	2.21E-03	8.72E-05
1.53E+02	-1.09E-03	2.21E-03	1.64E-04
1.53E+02	-1.14E-03	2.17E-03	1.49E-04
1.53E+02	-1.15E-03	2.12E-03	1.28E-04
1.53E+02	-1.17E-03	2.06E-03	1.02E-04
1.53E+02	-1.13E-03	1.99E-03	1.21E-04

1.53E+02	-1.09E-03	1.96E-03	2.24E-04
1.53E+02	-1.09E-03	1.88E-03	3.04E-04
1.53E+02	-1.11E-03	1.82E-03	4.31E-04
1.53E+02	-1.14E-03	1.81E-03	6.04E-04
1.53E+02	-1.16E-03	1.75E-03	7.20E-04
1.53E+02	-1.20E-03	1.67E-03	8.25E-04
1.53E+02	-1.27E-03	1.60E-03	9.08E-04
1.53E+02	-1.29E-03	1.53E-03	9.27E-04
1.53E+02	-1.30E-03	1.47E-03	8.92E-04
1.53E+02	-1.36E-03	1.39E-03	7.61E-04
1.53E+02	-1.38E-03	1.35E-03	5.76E-04
1.53E+02	-1.38E-03	1.33E-03	4.12E-04
1.53E+02	-1.34E-03	1.33E-03	2.34E-04
1.53E+02	-1.33E-03	1.35E-03	7.48E-05
1.53E+02	-1.37E-03	1.37E-03	-4.08E-05
1.53E+02	-1.35E-03	1.41E-03	-1.23E-04
1.53E+02	-1.32E-03	1.47E-03	-1.01E-04
1.53E+02	-1.35E-03	1.52E-03	-5.42E-05
1.53E+02	-1.35E-03	1.56E-03	-4.41E-05
1.53E+02	-1.33E-03	1.66E-03	3.43E-05
1.53E+02	-1.26E-03	1.77E-03	1.06E-04
1.53E+02	-1.19E-03	1.88E-03	1.33E-04
1.53E+02	-1.13E-03	2.00E-03	1.93E-04
1.53E+02	-1.03E-03	2.11E-03	2.78E-04
1.53E+02	-9.09E-04	2.23E-03	3.92E-04
1.53E+02	-8.56E-04	2.32E-03	4.44E-04
1.53E+02	-8.18E-04	2.36E-03	4.26E-04
1.53E+02	-7.91E-04	2.41E-03	4.67E-04
1.53E+02	-7.99E-04	2.45E-03	4.90E-04
1.53E+02	-8.54E-04	2.45E-03	4.71E-04
1.53E+02	-9.72E-04	2.42E-03	4.95E-04
1.53E+02	-1.09E-03	2.37E-03	5.24E-04
1.53E+02	-1.19E-03	2.30E-03	5.63E-04
1.53E+02	-1.34E-03	2.19E-03	5.78E-04
1.53E+02	-1.47E-03	2.03E-03	5.53E-04
1.53E+02	-1.56E-03	1.92E-03	6.15E-04
1.53E+02	-1.61E-03	1.80E-03	6.83E-04
1.53E+02	-1.64E-03	1.67E-03	6.94E-04
1.53E+02	-1.67E-03	1.54E-03	7.48E-04
1.53E+02	-1.69E-03	1.41E-03	7.65E-04
1.53E+02	-1.65E-03	1.28E-03	7.32E-04
1.53E+02	-1.66E-03	1.13E-03	6.18E-04
1.53E+02	-1.64E-03	9.65E-04	4.00E-04
1.53E+02	-1.59E-03	8.23E-04	2.29E-04
1.53E+02	-1.52E-03	7.12E-04	6.98E-05
1.53E+02	-1.39E-03	6.34E-04	-1.01E-04
1.53E+02	-1.33E-03	5.61E-04	-2.18E-04

1.53E+02	-1.27E-03	5.13E-04	-3.38E-04
1.53E+02	-1.15E-03	5.06E-04	-4.04E-04
1.53E+02	-1.08E-03	5.16E-04	-4.04E-04
1.53E+02	-1.02E-03	5.34E-04	-4.24E-04
1.53E+02	-9.41E-04	5.84E-04	-3.58E-04
1.53E+02	-8.64E-04	6.72E-04	-2.55E-04
1.53E+02	-7.84E-04	7.25E-04	-2.18E-04
1.53E+02	-7.72E-04	7.63E-04	-1.31E-04
1.53E+02	-7.66E-04	8.15E-04	-7.32E-05
1.53E+02	-7.09E-04	8.54E-04	-3.70E-05
1.53E+02	-6.87E-04	8.86E-04	4.90E-05
1.53E+02	-6.94E-04	8.64E-04	4.86E-05
1.53E+02	-7.02E-04	8.20E-04	7.86E-05
1.53E+02	-7.20E-04	7.83E-04	1.66E-04
1.53E+02	-7.47E-04	7.08E-04	1.84E-04
1.53E+02	-8.54E-04	6.37E-04	2.19E-04
1.53E+02	-9.98E-04	5.90E-04	2.53E-04
1.53E+02	-1.09E-03	5.80E-04	2.81E-04
1.53E+02	-1.19E-03	6.06E-04	3.55E-04
1.53E+02	-1.31E-03	6.29E-04	3.79E-04
1.53E+02	-1.39E-03	6.62E-04	3.69E-04
1.53E+02	-1.46E-03	7.07E-04	3.94E-04
1.53E+02	-1.49E-03	7.54E-04	3.68E-04
1.53E+02	-1.53E-03	8.01E-04	3.25E-04
1.53E+02	-1.58E-03	8.44E-04	3.19E-04
1.53E+02	-1.59E-03	8.92E-04	3.32E-04
1.53E+02	-1.63E-03	9.40E-04	3.87E-04
1.53E+02	-1.73E-03	9.52E-04	3.91E-04
1.53E+02	-1.83E-03	9.53E-04	3.55E-04
1.53E+02	-1.93E-03	9.73E-04	3.45E-04
1.53E+02	-2.04E-03	9.80E-04	2.67E-04
1.53E+02	-2.16E-03	9.72E-04	1.62E-04
1.53E+02	-2.30E-03	9.66E-04	6.77E-05
1.53E+02	-2.39E-03	9.60E-04	-4.65E-05
1.53E+02	-2.44E-03	9.55E-04	-1.15E-04
1.53E+02	-2.51E-03	9.19E-04	-1.84E-04
1.53E+02	-2.54E-03	8.56E-04	-2.51E-04
1.53E+02	-2.52E-03	8.06E-04	-2.46E-04
1.53E+02	-2.46E-03	7.38E-04	-2.71E-04
1.53E+02	-2.38E-03	6.61E-04	-2.74E-04
1.53E+02	-2.30E-03	6.11E-04	-1.84E-04
1.53E+02	-2.17E-03	5.85E-04	-6.22E-05
1.53E+02	-2.01E-03	5.96E-04	1.04E-04
1.53E+02	-1.92E-03	5.74E-04	1.89E-04
1.53E+02	-1.83E-03	5.10E-04	1.98E-04
1.53E+02	-1.73E-03	4.67E-04	2.48E-04
1.53E+02	-1.66E-03	3.83E-04	1.82E-04

1.53E+02	-1.64E-03	2.73E-04	1.32E-05
1.53E+02	-1.66E-03	1.90E-04	-1.54E-04
1.53E+02	-1.68E-03	1.19E-04	-3.28E-04
1.53E+02	-1.68E-03	8.20E-05	-4.15E-04
1.53E+02	-1.71E-03	4.84E-05	-4.56E-04
1.53E+02	-1.75E-03	-9.54E-07	-4.84E-04
1.53E+02	-1.77E-03	-2.21E-05	-4.27E-04
1.53E+02	-1.78E-03	-4.58E-05	-3.83E-04
1.53E+02	-1.76E-03	-7.19E-05	-3.65E-04
1.53E+02	-1.77E-03	-7.50E-05	-3.41E-04
1.53E+02	-1.74E-03	-4.73E-05	-3.42E-04
1.53E+02	-1.69E-03	2.23E-05	-3.26E-04
1.53E+02	-1.68E-03	7.55E-05	-3.46E-04
1.53E+02	-1.67E-03	9.90E-05	-4.03E-04
1.53E+02	-1.67E-03	1.26E-04	-3.99E-04
1.53E+02	-1.68E-03	1.57E-04	-3.83E-04
1.53E+02	-1.71E-03	2.12E-04	-3.73E-04
1.53E+02	-1.82E-03	3.00E-04	-3.49E-04
1.53E+02	-1.92E-03	4.42E-04	-3.37E-04
1.53E+02	-1.99E-03	6.57E-04	-2.63E-04
1.53E+02	-2.08E-03	8.95E-04	-1.59E-04
1.53E+02	-2.18E-03	1.11E-03	-1.36E-04
1.53E+02	-2.26E-03	1.32E-03	-1.05E-04
1.53E+02	-2.29E-03	1.51E-03	-6.01E-05
1.53E+02	-2.28E-03	1.66E-03	-3.32E-05
1.53E+02	-2.29E-03	1.77E-03	6.92E-05
1.53E+02	-2.26E-03	1.84E-03	2.17E-04
1.53E+02	-2.18E-03	1.89E-03	3.89E-04
1.53E+02	-2.15E-03	1.89E-03	5.50E-04
1.53E+02	-2.15E-03	1.84E-03	5.95E-04
1.53E+02	-2.13E-03	1.78E-03	6.18E-04
1.53E+02	-2.11E-03	1.72E-03	6.36E-04
1.53E+02	-2.09E-03	1.63E-03	5.61E-04
1.53E+02	-2.09E-03	1.51E-03	4.74E-04
1.53E+02	-2.07E-03	1.37E-03	3.92E-04
1.53E+02	-2.00E-03	1.24E-03	3.12E-04
1.53E+02	-1.95E-03	1.09E-03	2.76E-04
1.53E+02	-1.89E-03	9.47E-04	1.85E-04
1.53E+02	-1.81E-03	8.23E-04	9.54E-05
1.53E+02	-1.71E-03	7.71E-04	7.53E-05
1.53E+02	-1.59E-03	7.65E-04	1.91E-05
1.53E+02	-1.49E-03	7.71E-04	-1.85E-05
1.53E+02	-1.40E-03	8.03E-04	-6.10E-06
1.53E+02	-1.28E-03	8.49E-04	3.41E-05
1.53E+02	-1.18E-03	8.89E-04	8.53E-05
1.53E+02	-1.10E-03	8.71E-04	6.50E-05
1.53E+02	-1.00E-03	8.49E-04	1.16E-04

1.53E+02	-8.78E-04	8.53E-04	2.88E-04
1.53E+02	-7.43E-04	8.02E-04	3.82E-04
1.53E+02	-6.51E-04	7.22E-04	4.44E-04
1.53E+02	-5.90E-04	6.34E-04	5.16E-04
1.53E+02	-4.91E-04	5.15E-04	5.44E-04
1.53E+02	-4.12E-04	3.72E-04	5.73E-04
1.53E+02	-3.86E-04	1.94E-04	5.46E-04
1.53E+02	-3.59E-04	1.75E-05	5.08E-04
1.53E+02	-3.36E-04	-1.22E-04	5.38E-04
1.53E+02	-2.90E-04	-2.67E-04	5.27E-04
1.53E+02	-2.49E-04	-4.03E-04	5.42E-04
1.53E+02	-2.38E-04	-5.08E-04	6.42E-04
1.53E+02	-1.76E-04	-6.16E-04	7.34E-04
1.54E+02	-1.20E-04	-7.19E-04	8.18E-04
1.54E+02	-9.12E-05	-8.33E-04	8.25E-04
1.54E+02	-1.64E-05	-9.40E-04	7.88E-04
1.54E+02	7.46E-05	-9.85E-04	8.22E-04
1.54E+02	1.88E-04	-1.00E-03	8.12E-04
1.54E+02	2.98E-04	-1.00E-03	7.91E-04
1.54E+02	3.64E-04	-9.49E-04	8.45E-04
1.54E+02	4.78E-04	-8.86E-04	8.94E-04
1.54E+02	6.02E-04	-8.19E-04	9.72E-04
1.54E+02	6.69E-04	-7.92E-04	1.02E-03
1.54E+02	7.20E-04	-8.22E-04	9.70E-04
1.54E+02	7.46E-04	-8.29E-04	9.17E-04
1.54E+02	7.80E-04	-8.21E-04	8.00E-04
1.54E+02	8.03E-04	-8.13E-04	6.28E-04
1.54E+02	7.59E-04	-7.48E-04	4.98E-04
1.54E+02	7.26E-04	-6.26E-04	3.91E-04
1.54E+02	7.02E-04	-4.46E-04	3.62E-04
1.54E+02	6.26E-04	-2.60E-04	3.67E-04
1.54E+02	5.23E-04	-1.05E-04	3.64E-04
1.54E+02	4.13E-04	6.35E-05	4.70E-04
1.54E+02	3.10E-04	2.06E-04	5.96E-04
1.54E+02	1.90E-04	3.03E-04	6.81E-04
1.54E+02	3.01E-05	3.69E-04	7.82E-04
1.54E+02	-7.65E-05	4.10E-04	8.88E-04
1.54E+02	-1.26E-04	4.47E-04	1.05E-03
1.54E+02	-1.86E-04	4.45E-04	1.22E-03
1.54E+02	-2.30E-04	3.92E-04	1.30E-03
1.54E+02	-2.39E-04	3.40E-04	1.39E-03
1.54E+02	-2.00E-04	2.85E-04	1.46E-03
1.54E+02	-1.33E-04	1.99E-04	1.46E-03
1.54E+02	-9.90E-05	9.86E-05	1.47E-03
1.54E+02	-6.75E-05	5.72E-07	1.46E-03
1.54E+02	-1.34E-05	-9.25E-05	1.39E-03
1.54E+02	-5.34E-06	-2.08E-04	1.29E-03

1.54E+02	-1.13E-05	-3.62E-04	1.15E-03
1.54E+02	1.56E-05	-4.99E-04	1.08E-03
1.54E+02	5.78E-05	-6.25E-04	1.04E-03
1.54E+02	9.69E-05	-7.57E-04	8.89E-04
1.54E+02	8.30E-05	-8.35E-04	6.95E-04
1.54E+02	7.11E-05	-8.49E-04	5.07E-04
1.54E+02	1.12E-04	-7.79E-04	3.60E-04
1.54E+02	1.30E-04	-6.43E-04	3.15E-04
1.54E+02	1.29E-04	-4.84E-04	2.85E-04
1.54E+02	1.59E-04	-2.81E-04	2.97E-04
1.54E+02	2.24E-04	-5.23E-05	3.64E-04
1.54E+02	3.29E-04	1.72E-04	3.48E-04
1.54E+02	4.30E-04	3.93E-04	3.49E-04
1.54E+02	5.21E-04	6.26E-04	4.13E-04
1.54E+02	6.48E-04	8.86E-04	5.06E-04
1.54E+02	7.50E-04	1.13E-03	6.68E-04
1.54E+02	7.83E-04	1.31E-03	7.67E-04
1.54E+02	8.12E-04	1.46E-03	8.59E-04
1.54E+02	8.28E-04	1.59E-03	9.90E-04
1.54E+02	8.09E-04	1.64E-03	1.01E-03
1.54E+02	7.54E-04	1.64E-03	9.97E-04
1.54E+02	6.96E-04	1.62E-03	9.51E-04
1.54E+02	7.22E-04	1.58E-03	8.46E-04
1.54E+02	7.75E-04	1.54E-03	7.92E-04
1.54E+02	8.12E-04	1.42E-03	7.60E-04
1.54E+02	8.63E-04	1.27E-03	7.68E-04
1.54E+02	9.06E-04	1.10E-03	7.77E-04
1.54E+02	9.58E-04	9.01E-04	6.77E-04
1.54E+02	9.73E-04	6.96E-04	5.69E-04
1.54E+02	9.48E-04	5.12E-04	4.78E-04
1.54E+02	9.79E-04	3.79E-04	3.97E-04
1.54E+02	1.03E-03	3.16E-04	4.07E-04
1.54E+02	1.07E-03	2.64E-04	4.46E-04
1.54E+02	1.15E-03	2.21E-04	5.50E-04
1.54E+02	1.27E-03	2.07E-04	7.92E-04
1.54E+02	1.42E-03	1.73E-04	9.97E-04
1.54E+02	1.56E-03	1.20E-04	1.11E-03
1.54E+02	1.67E-03	5.07E-05	1.14E-03
1.54E+02	1.81E-03	-4.35E-05	1.02E-03
1.54E+02	1.97E-03	-1.10E-04	8.91E-04
1.54E+02	2.08E-03	-1.77E-04	7.62E-04
1.54E+02	2.16E-03	-2.44E-04	6.43E-04
1.54E+02	2.23E-03	-2.60E-04	6.46E-04
1.54E+02	2.27E-03	-3.13E-04	6.22E-04
1.54E+02	2.24E-03	-4.32E-04	5.41E-04
1.54E+02	2.11E-03	-5.69E-04	4.66E-04
1.54E+02	1.97E-03	-7.05E-04	3.41E-04

1.54E+02	1.82E-03	-8.01E-04	2.41E-04
1.54E+02	1.60E-03	-8.75E-04	1.40E-04
1.54E+02	1.40E-03	-9.15E-04	3.72E-05
1.54E+02	1.23E-03	-8.95E-04	5.36E-05
1.54E+02	1.09E-03	-8.71E-04	1.01E-04
1.54E+02	9.84E-04	-8.58E-04	1.53E-04
1.54E+02	8.62E-04	-8.59E-04	2.55E-04
1.54E+02	8.16E-04	-8.52E-04	3.31E-04
1.54E+02	8.37E-04	-8.04E-04	4.21E-04
1.54E+02	8.38E-04	-7.57E-04	5.17E-04
1.54E+02	8.68E-04	-7.02E-04	5.76E-04
1.54E+02	9.23E-04	-6.19E-04	6.79E-04
1.54E+02	9.88E-04	-5.42E-04	7.47E-04
1.54E+02	1.05E-03	-4.71E-04	7.25E-04
1.54E+02	1.04E-03	-4.01E-04	6.85E-04
1.54E+02	1.02E-03	-3.33E-04	5.85E-04
1.54E+02	1.00E-03	-2.77E-04	4.56E-04
1.54E+02	8.82E-04	-2.66E-04	2.90E-04
1.54E+02	7.15E-04	-3.07E-04	3.87E-05
1.54E+02	5.16E-04	-3.34E-04	-1.45E-04
1.54E+02	2.78E-04	-3.22E-04	-2.73E-04
1.54E+02	1.87E-05	-2.98E-04	-4.25E-04
1.54E+02	-2.75E-04	-2.41E-04	-5.23E-04
1.54E+02	-5.14E-04	-1.60E-04	-5.95E-04
1.54E+02	-6.49E-04	-5.13E-05	-6.38E-04
1.54E+02	-7.40E-04	7.90E-05	-6.63E-04
1.54E+02	-7.85E-04	1.87E-04	-7.71E-04
1.54E+02	-7.65E-04	3.26E-04	-8.19E-04
1.54E+02	-6.74E-04	4.73E-04	-7.94E-04
1.54E+02	-5.67E-04	5.47E-04	-8.42E-04
1.54E+02	-5.21E-04	5.84E-04	-8.70E-04
1.54E+02	-4.80E-04	6.07E-04	-9.05E-04
1.54E+02	-4.10E-04	6.40E-04	-9.82E-04
1.54E+02	-3.89E-04	6.76E-04	-1.06E-03
1.54E+02	-3.96E-04	6.82E-04	-1.19E-03
1.54E+02	-3.81E-04	7.18E-04	-1.25E-03
1.54E+02	-3.60E-04	8.00E-04	-1.23E-03
1.54E+02	-3.31E-04	8.78E-04	-1.27E-03
1.54E+02	-3.42E-04	9.54E-04	-1.30E-03
1.54E+02	-3.65E-04	1.01E-03	-1.39E-03
1.54E+02	-3.38E-04	1.03E-03	-1.52E-03
1.54E+02	-3.43E-04	1.05E-03	-1.62E-03
1.54E+02	-3.66E-04	1.03E-03	-1.73E-03
1.54E+02	-3.86E-04	1.02E-03	-1.77E-03
1.54E+02	-4.29E-04	1.04E-03	-1.73E-03
1.54E+02	-4.51E-04	1.05E-03	-1.69E-03
1.54E+02	-5.36E-04	1.02E-03	-1.60E-03

1.54E+02	-6.75E-04	9.43E-04	-1.49E-03
1.54E+02	-7.65E-04	8.53E-04	-1.38E-03
1.54E+02	-8.66E-04	7.50E-04	-1.27E-03
1.54E+02	-9.79E-04	5.80E-04	-1.25E-03
1.54E+02	-1.05E-03	4.02E-04	-1.28E-03
1.54E+02	-1.07E-03	2.78E-04	-1.30E-03
1.54E+02	-1.06E-03	1.62E-04	-1.37E-03
1.54E+02	-1.05E-03	7.63E-05	-1.42E-03
1.54E+02	-1.04E-03	1.18E-05	-1.47E-03
1.54E+02	-9.70E-04	-5.04E-05	-1.58E-03
1.54E+02	-8.93E-04	-9.67E-05	-1.63E-03
1.54E+02	-8.55E-04	-1.65E-04	-1.72E-03
1.54E+02	-8.19E-04	-2.38E-04	-1.80E-03
1.54E+02	-8.08E-04	-2.86E-04	-1.79E-03
1.54E+02	-8.21E-04	-3.41E-04	-1.86E-03
1.54E+02	-8.88E-04	-4.10E-04	-1.95E-03
1.54E+02	-1.03E-03	-4.65E-04	-1.99E-03
1.54E+02	-1.16E-03	-5.31E-04	-2.05E-03
1.54E+02	-1.30E-03	-5.94E-04	-2.06E-03
1.54E+02	-1.49E-03	-6.65E-04	-2.09E-03
1.54E+02	-1.68E-03	-7.94E-04	-2.15E-03
1.54E+02	-1.85E-03	-8.62E-04	-2.04E-03
1.54E+02	-1.99E-03	-8.67E-04	-1.90E-03
1.54E+02	-2.14E-03	-8.81E-04	-1.82E-03
1.54E+02	-2.31E-03	-8.49E-04	-1.72E-03
1.54E+02	-2.41E-03	-8.15E-04	-1.68E-03
1.54E+02	-2.47E-03	-7.86E-04	-1.67E-03
1.54E+02	-2.55E-03	-7.62E-04	-1.71E-03
1.54E+02	-2.60E-03	-7.85E-04	-1.81E-03
1.54E+02	-2.64E-03	-8.05E-04	-1.82E-03
1.54E+02	-2.66E-03	-8.49E-04	-1.83E-03
1.54E+02	-2.68E-03	-9.41E-04	-1.85E-03
1.54E+02	-2.75E-03	-1.02E-03	-1.77E-03
1.54E+02	-2.79E-03	-1.07E-03	-1.69E-03
1.54E+02	-2.80E-03	-1.09E-03	-1.66E-03
1.54E+02	-2.83E-03	-1.11E-03	-1.70E-03
1.54E+02	-2.83E-03	-1.14E-03	-1.83E-03
1.54E+02	-2.76E-03	-1.17E-03	-1.86E-03
1.54E+02	-2.67E-03	-1.19E-03	-1.83E-03
1.54E+02	-2.60E-03	-1.27E-03	-1.83E-03
1.54E+02	-2.55E-03	-1.36E-03	-1.71E-03
1.54E+02	-2.49E-03	-1.45E-03	-1.56E-03
1.54E+02	-2.40E-03	-1.55E-03	-1.41E-03
1.54E+02	-2.32E-03	-1.63E-03	-1.29E-03
1.54E+02	-2.24E-03	-1.71E-03	-1.30E-03
1.54E+02	-2.14E-03	-1.75E-03	-1.31E-03
1.54E+02	-2.02E-03	-1.72E-03	-1.29E-03

1.54E+02	-1.90E-03	-1.71E-03	-1.30E-03
1.54E+02	-1.82E-03	-1.71E-03	-1.27E-03
1.54E+02	-1.76E-03	-1.72E-03	-1.29E-03
1.54E+02	-1.70E-03	-1.80E-03	-1.38E-03
1.54E+02	-1.67E-03	-1.91E-03	-1.47E-03
1.54E+02	-1.68E-03	-2.07E-03	-1.62E-03
1.54E+02	-1.64E-03	-2.21E-03	-1.72E-03
1.54E+02	-1.58E-03	-2.29E-03	-1.75E-03
1.54E+02	-1.52E-03	-2.33E-03	-1.77E-03
1.54E+02	-1.51E-03	-2.33E-03	-1.73E-03
1.54E+02	-1.51E-03	-2.32E-03	-1.67E-03
1.54E+02	-1.48E-03	-2.30E-03	-1.62E-03
1.54E+02	-1.50E-03	-2.26E-03	-1.60E-03
1.54E+02	-1.57E-03	-2.26E-03	-1.69E-03
1.54E+02	-1.61E-03	-2.25E-03	-1.75E-03
1.54E+02	-1.63E-03	-2.20E-03	-1.71E-03
1.54E+02	-1.64E-03	-2.19E-03	-1.70E-03
1.54E+02	-1.67E-03	-2.19E-03	-1.62E-03
1.54E+02	-1.70E-03	-2.19E-03	-1.36E-03
1.54E+02	-1.67E-03	-2.21E-03	-1.05E-03
1.54E+02	-1.62E-03	-2.22E-03	-7.37E-04
1.54E+02	-1.58E-03	-2.30E-03	-5.76E-04
1.54E+02	-1.44E-03	-2.37E-03	-5.04E-04
1.54E+02	-1.27E-03	-2.42E-03	-4.39E-04
1.54E+02	-1.05E-03	-2.49E-03	-5.06E-04
1.55E+02	-8.18E-04	-2.50E-03	-5.63E-04
1.55E+02	-6.28E-04	-2.53E-03	-5.81E-04
1.55E+02	-3.79E-04	-2.48E-03	-6.31E-04
1.55E+02	-1.67E-04	-2.44E-03	-6.44E-04
1.55E+02	-4.22E-05	-2.47E-03	-6.99E-04
1.55E+02	5.49E-05	-2.49E-03	-7.60E-04
1.55E+02	9.94E-05	-2.52E-03	-8.38E-04
1.55E+02	1.51E-04	-2.56E-03	-1.00E-03
1.55E+02	1.64E-04	-2.63E-03	-1.10E-03
1.55E+02	1.39E-04	-2.64E-03	-1.09E-03
1.55E+02	1.92E-04	-2.64E-03	-1.03E-03
1.55E+02	2.63E-04	-2.68E-03	-9.33E-04
1.55E+02	3.05E-04	-2.69E-03	-8.26E-04
1.55E+02	3.75E-04	-2.75E-03	-7.17E-04
1.55E+02	4.49E-04	-2.83E-03	-6.78E-04
1.55E+02	5.40E-04	-2.94E-03	-7.40E-04
1.55E+02	6.06E-04	-3.04E-03	-8.32E-04
1.55E+02	6.00E-04	-3.09E-03	-8.78E-04
1.55E+02	6.43E-04	-3.08E-03	-8.60E-04
1.55E+02	6.83E-04	-3.06E-03	-7.60E-04
1.55E+02	6.79E-04	-3.10E-03	-6.69E-04
1.55E+02	6.90E-04	-3.14E-03	-5.69E-04

1.55E+02	6.78E-04	-3.16E-03	-3.80E-04
1.55E+02	7.07E-04	-3.22E-03	-3.40E-04
1.55E+02	7.47E-04	-3.25E-03	-4.18E-04
1.55E+02	7.16E-04	-3.27E-03	-4.52E-04
1.55E+02	7.23E-04	-3.26E-03	-5.25E-04
1.55E+02	7.18E-04	-3.24E-03	-5.82E-04
1.55E+02	6.11E-04	-3.25E-03	-6.35E-04
1.55E+02	5.05E-04	-3.27E-03	-6.93E-04
1.55E+02	4.05E-04	-3.35E-03	-6.79E-04
1.55E+02	3.24E-04	-3.39E-03	-6.96E-04
1.55E+02	2.54E-04	-3.45E-03	-7.60E-04
1.55E+02	1.46E-04	-3.50E-03	-7.82E-04
1.55E+02	1.33E-04	-3.40E-03	-7.84E-04
1.55E+02	1.68E-04	-3.28E-03	-7.43E-04
1.55E+02	1.70E-04	-3.15E-03	-6.68E-04
1.55E+02	2.08E-04	-3.00E-03	-6.85E-04
1.55E+02	2.33E-04	-2.90E-03	-6.99E-04
1.55E+02	2.61E-04	-2.79E-03	-6.21E-04
1.55E+02	2.86E-04	-2.70E-03	-5.66E-04
1.55E+02	2.49E-04	-2.67E-03	-4.86E-04
1.55E+02	2.28E-04	-2.62E-03	-3.63E-04
1.55E+02	2.34E-04	-2.52E-03	-2.24E-04
1.55E+02	1.90E-04	-2.41E-03	-9.54E-05
1.55E+02	1.30E-04	-2.34E-03	-9.04E-05
1.55E+02	8.77E-05	-2.28E-03	-8.09E-05
1.55E+02	5.95E-05	-2.17E-03	-7.25E-05
1.55E+02	5.87E-05	-2.09E-03	-1.64E-04
1.55E+02	4.10E-05	-2.02E-03	-1.72E-04
1.55E+02	3.97E-05	-1.94E-03	-1.18E-04
1.55E+02	9.57E-05	-1.90E-03	-4.69E-05
1.55E+02	1.22E-04	-1.89E-03	6.98E-05
1.55E+02	1.02E-04	-1.93E-03	1.23E-04
1.55E+02	1.09E-04	-1.99E-03	1.70E-04
1.55E+02	1.54E-04	-2.02E-03	2.48E-04
1.55E+02	1.96E-04	-2.05E-03	2.68E-04
1.55E+02	2.16E-04	-2.07E-03	2.77E-04
1.55E+02	2.40E-04	-2.06E-03	3.16E-04
1.55E+02	2.99E-04	-2.02E-03	4.17E-04
1.55E+02	3.38E-04	-1.94E-03	5.64E-04
1.55E+02	3.56E-04	-1.89E-03	6.11E-04
1.55E+02	4.31E-04	-1.83E-03	6.60E-04
1.55E+02	5.37E-04	-1.73E-03	7.61E-04
1.55E+02	6.75E-04	-1.63E-03	7.60E-04
1.55E+02	8.35E-04	-1.53E-03	7.60E-04
1.55E+02	9.82E-04	-1.42E-03	8.11E-04
1.55E+02	1.19E-03	-1.32E-03	8.77E-04
1.55E+02	1.39E-03	-1.25E-03	9.93E-04

1.55E+02	1.49E-03	-1.25E-03	1.03E-03
1.55E+02	1.57E-03	-1.28E-03	9.81E-04
1.55E+02	1.60E-03	-1.30E-03	9.24E-04
1.55E+02	1.59E-03	-1.38E-03	7.76E-04
1.55E+02	1.53E-03	-1.50E-03	6.63E-04
1.55E+02	1.38E-03	-1.64E-03	6.29E-04
1.55E+02	1.25E-03	-1.78E-03	6.35E-04
1.55E+02	1.09E-03	-1.94E-03	7.35E-04
1.55E+02	8.80E-04	-2.16E-03	8.20E-04
1.55E+02	6.95E-04	-2.42E-03	8.96E-04
1.55E+02	5.62E-04	-2.64E-03	1.03E-03
1.55E+02	4.80E-04	-2.84E-03	1.10E-03
1.55E+02	4.14E-04	-3.00E-03	1.11E-03
1.55E+02	3.89E-04	-3.08E-03	1.12E-03
1.55E+02	4.50E-04	-3.10E-03	1.11E-03
1.55E+02	5.50E-04	-3.05E-03	1.13E-03
1.55E+02	6.37E-04	-3.00E-03	1.17E-03
1.55E+02	6.79E-04	-2.96E-03	1.20E-03
1.55E+02	6.90E-04	-2.91E-03	1.30E-03
1.55E+02	6.82E-04	-2.88E-03	1.35E-03
1.55E+02	6.23E-04	-2.86E-03	1.31E-03
1.55E+02	5.17E-04	-2.81E-03	1.30E-03
1.55E+02	4.37E-04	-2.73E-03	1.29E-03
1.55E+02	3.79E-04	-2.63E-03	1.29E-03
1.55E+02	3.12E-04	-2.52E-03	1.26E-03
1.55E+02	2.90E-04	-2.44E-03	1.14E-03
1.55E+02	3.26E-04	-2.35E-03	1.07E-03
1.55E+02	3.87E-04	-2.29E-03	1.02E-03
1.55E+02	4.34E-04	-2.28E-03	9.53E-04
1.55E+02	4.18E-04	-2.30E-03	9.56E-04
1.55E+02	3.98E-04	-2.33E-03	9.81E-04
1.55E+02	3.73E-04	-2.35E-03	1.06E-03
1.55E+02	2.64E-04	-2.36E-03	1.14E-03
1.55E+02	1.52E-04	-2.36E-03	1.19E-03
1.55E+02	9.65E-05	-2.26E-03	1.33E-03
1.55E+02	7.55E-05	-2.15E-03	1.42E-03
1.55E+02	9.27E-05	-2.06E-03	1.40E-03
1.55E+02	1.02E-04	-1.98E-03	1.38E-03
1.55E+02	1.44E-04	-1.92E-03	1.34E-03
1.55E+02	2.37E-04	-1.85E-03	1.28E-03
1.55E+02	2.82E-04	-1.82E-03	1.17E-03
1.55E+02	3.06E-04	-1.84E-03	1.02E-03
1.55E+02	3.41E-04	-1.84E-03	9.33E-04
1.55E+02	3.73E-04	-1.83E-03	8.96E-04
1.55E+02	3.99E-04	-1.79E-03	8.36E-04
1.55E+02	3.81E-04	-1.73E-03	8.19E-04
1.55E+02	3.72E-04	-1.66E-03	7.72E-04

1.55E+02	4.05E-04	-1.58E-03	7.05E-04
1.55E+02	3.97E-04	-1.53E-03	6.60E-04
1.55E+02	3.66E-04	-1.52E-03	5.40E-04
1.55E+02	3.57E-04	-1.53E-03	4.34E-04
1.55E+02	3.45E-04	-1.52E-03	3.64E-04
1.55E+02	3.38E-04	-1.55E-03	2.60E-04
1.55E+02	3.06E-04	-1.58E-03	2.18E-04
1.55E+02	2.84E-04	-1.58E-03	2.31E-04
1.55E+02	3.28E-04	-1.53E-03	2.64E-04
1.55E+02	3.64E-04	-1.47E-03	3.29E-04
1.55E+02	4.02E-04	-1.43E-03	3.57E-04
1.55E+02	4.77E-04	-1.38E-03	4.03E-04
1.55E+02	5.70E-04	-1.30E-03	4.90E-04
1.55E+02	6.51E-04	-1.24E-03	5.16E-04
1.55E+02	6.72E-04	-1.19E-03	5.46E-04
1.55E+02	6.83E-04	-1.12E-03	5.91E-04
1.55E+02	7.10E-04	-1.06E-03	6.11E-04
1.55E+02	6.89E-04	-9.99E-04	6.63E-04
1.55E+02	6.27E-04	-9.65E-04	6.90E-04
1.55E+02	5.66E-04	-9.43E-04	7.40E-04
1.55E+02	5.20E-04	-8.95E-04	8.54E-04
1.55E+02	4.88E-04	-8.74E-04	8.86E-04
1.55E+02	4.27E-04	-8.61E-04	8.61E-04
1.55E+02	3.80E-04	-8.19E-04	8.20E-04
1.55E+02	4.16E-04	-7.52E-04	7.48E-04
1.55E+02	4.64E-04	-6.72E-04	6.80E-04
1.55E+02	5.22E-04	-6.17E-04	5.57E-04
1.55E+02	6.34E-04	-5.78E-04	4.28E-04
1.55E+02	7.76E-04	-5.44E-04	3.94E-04
1.55E+02	9.46E-04	-5.33E-04	4.04E-04
1.55E+02	1.06E-03	-5.58E-04	4.23E-04
1.55E+02	1.10E-03	-6.05E-04	4.12E-04
1.55E+02	1.18E-03	-6.21E-04	3.61E-04
1.55E+02	1.25E-03	-5.93E-04	3.12E-04
1.55E+02	1.27E-03	-5.60E-04	2.27E-04
1.55E+02	1.31E-03	-4.98E-04	1.94E-04
1.55E+02	1.37E-03	-3.80E-04	2.75E-04
1.55E+02	1.43E-03	-2.74E-04	3.09E-04
1.55E+02	1.47E-03	-2.05E-04	2.87E-04
1.55E+02	1.46E-03	-1.58E-04	2.53E-04
1.55E+02	1.48E-03	-1.25E-04	1.75E-04
1.55E+02	1.49E-03	-1.03E-04	1.40E-04
1.55E+02	1.42E-03	-1.17E-04	1.11E-04
1.55E+02	1.35E-03	-1.60E-04	6.43E-05
1.55E+02	1.29E-03	-1.75E-04	9.96E-05
1.55E+02	1.21E-03	-1.64E-04	1.32E-04
1.55E+02	1.10E-03	-1.42E-04	1.26E-04

1.55E+02	9.47E-04	-9.59E-05	1.39E-04
1.55E+02	8.34E-04	-2.25E-05	1.47E-04
1.55E+02	7.62E-04	8.07E-05	2.05E-04
1.55E+02	6.44E-04	1.58E-04	2.46E-04
1.55E+02	5.27E-04	2.11E-04	2.30E-04
1.55E+02	4.67E-04	2.98E-04	2.92E-04
1.55E+02	4.29E-04	3.64E-04	3.39E-04
1.55E+02	3.97E-04	3.92E-04	3.18E-04
1.55E+02	3.70E-04	4.28E-04	3.15E-04
1.55E+02	4.04E-04	4.80E-04	2.94E-04
1.55E+02	5.01E-04	5.57E-04	2.96E-04
1.55E+02	5.80E-04	6.22E-04	2.87E-04
1.55E+02	6.71E-04	6.43E-04	2.22E-04
1.55E+02	7.71E-04	6.71E-04	2.22E-04
1.55E+02	8.48E-04	7.09E-04	2.51E-04
1.55E+02	8.77E-04	7.38E-04	2.51E-04
1.55E+02	8.02E-04	7.75E-04	2.74E-04
1.55E+02	7.15E-04	8.34E-04	2.85E-04
1.55E+02	6.40E-04	9.20E-04	2.92E-04
1.55E+02	5.23E-04	1.00E-03	3.02E-04
1.55E+02	4.31E-04	1.07E-03	2.97E-04
1.55E+02	3.66E-04	1.14E-03	3.39E-04
1.55E+02	3.48E-04	1.21E-03	3.69E-04
1.55E+02	3.92E-04	1.24E-03	3.33E-04
1.55E+02	4.33E-04	1.25E-03	3.02E-04
1.55E+02	5.27E-04	1.26E-03	2.39E-04
1.55E+02	6.91E-04	1.25E-03	1.53E-04
1.55E+02	8.15E-04	1.21E-03	7.17E-05
1.55E+02	9.13E-04	1.11E-03	-8.11E-05
1.55E+02	9.99E-04	9.98E-04	-1.85E-04
1.55E+02	1.06E-03	8.87E-04	-1.79E-04
1.55E+02	1.09E-03	7.85E-04	-1.72E-04
1.55E+02	1.05E-03	7.04E-04	-1.45E-04
1.55E+02	9.85E-04	6.61E-04	-1.10E-04
1.55E+02	9.69E-04	6.83E-04	-6.43E-05
1.55E+02	9.25E-04	7.52E-04	2.29E-06
1.55E+02	8.86E-04	8.28E-04	-8.58E-06
1.56E+02	8.89E-04	9.37E-04	-2.42E-05
1.56E+02	9.20E-04	1.08E-03	-1.64E-05
1.56E+02	9.67E-04	1.18E-03	-9.04E-05
1.56E+02	9.66E-04	1.26E-03	-1.33E-04
1.56E+02	9.40E-04	1.34E-03	-8.41E-05
1.56E+02	9.38E-04	1.43E-03	9.73E-06
1.56E+02	8.95E-04	1.50E-03	1.32E-04
1.56E+02	8.19E-04	1.53E-03	1.91E-04
1.56E+02	7.72E-04	1.55E-03	2.44E-04
1.56E+02	7.65E-04	1.60E-03	3.22E-04

1.56E+02	7.88E-04	1.65E-03	3.25E-04
1.56E+02	7.95E-04	1.69E-03	3.02E-04
1.56E+02	8.12E-04	1.73E-03	2.38E-04
1.56E+02	8.95E-04	1.76E-03	1.20E-04
1.56E+02	9.81E-04	1.77E-03	6.96E-05
1.56E+02	1.04E-03	1.73E-03	5.82E-05
1.56E+02	1.12E-03	1.66E-03	1.03E-04
1.56E+02	1.19E-03	1.57E-03	2.36E-04
1.56E+02	1.26E-03	1.47E-03	3.35E-04
1.56E+02	1.30E-03	1.37E-03	4.14E-04
1.56E+02	1.31E-03	1.29E-03	4.92E-04
1.56E+02	1.35E-03	1.26E-03	5.52E-04
1.56E+02	1.37E-03	1.27E-03	6.51E-04
1.56E+02	1.34E-03	1.27E-03	6.78E-04
1.56E+02	1.32E-03	1.27E-03	6.18E-04
1.56E+02	1.33E-03	1.32E-03	5.81E-04
1.56E+02	1.35E-03	1.36E-03	4.77E-04
1.56E+02	1.35E-03	1.39E-03	3.11E-04
1.56E+02	1.32E-03	1.43E-03	1.71E-04
1.56E+02	1.32E-03	1.48E-03	6.07E-05
1.56E+02	1.32E-03	1.53E-03	4.54E-05
1.56E+02	1.25E-03	1.57E-03	7.23E-05
1.56E+02	1.17E-03	1.60E-03	9.90E-05
1.56E+02	1.10E-03	1.63E-03	2.30E-04
1.56E+02	1.03E-03	1.66E-03	3.47E-04
1.56E+02	9.72E-04	1.69E-03	4.17E-04
1.56E+02	9.17E-04	1.75E-03	5.08E-04
1.56E+02	9.19E-04	1.84E-03	5.46E-04
1.56E+02	9.61E-04	1.97E-03	6.03E-04
1.56E+02	9.96E-04	2.06E-03	6.17E-04
1.56E+02	1.06E-03	2.09E-03	5.79E-04
1.56E+02	1.16E-03	2.11E-03	6.33E-04
1.56E+02	1.28E-03	2.08E-03	6.32E-04
1.56E+02	1.38E-03	1.99E-03	5.81E-04
1.56E+02	1.44E-03	1.93E-03	5.69E-04
1.56E+02	1.53E-03	1.88E-03	5.25E-04
1.56E+02	1.65E-03	1.88E-03	5.34E-04
1.56E+02	1.71E-03	1.90E-03	5.66E-04
1.56E+02	1.73E-03	1.91E-03	5.66E-04
1.56E+02	1.73E-03	1.96E-03	6.43E-04
1.56E+02	1.72E-03	2.01E-03	6.99E-04
1.56E+02	1.69E-03	2.03E-03	6.83E-04
1.56E+02	1.61E-03	2.06E-03	7.06E-04
1.56E+02	1.53E-03	2.11E-03	7.50E-04
1.56E+02	1.49E-03	2.17E-03	7.99E-04
1.56E+02	1.42E-03	2.24E-03	8.36E-04
1.56E+02	1.34E-03	2.27E-03	8.24E-04

1.56E+02	1.27E-03	2.31E-03	8.66E-04
1.56E+02	1.21E-03	2.34E-03	9.39E-04
1.56E+02	1.13E-03	2.33E-03	9.36E-04
1.56E+02	9.64E-04	2.31E-03	9.04E-04
1.56E+02	8.07E-04	2.30E-03	8.30E-04
1.56E+02	6.86E-04	2.31E-03	7.14E-04
1.56E+02	5.12E-04	2.32E-03	6.02E-04
1.56E+02	3.35E-04	2.29E-03	4.85E-04
1.56E+02	2.02E-04	2.29E-03	4.86E-04
1.56E+02	1.14E-04	2.30E-03	5.82E-04
1.56E+02	7.53E-05	2.29E-03	6.51E-04
1.56E+02	4.18E-05	2.25E-03	7.35E-04
1.56E+02	4.43E-05	2.20E-03	7.78E-04
1.56E+02	1.13E-04	2.17E-03	7.79E-04
1.56E+02	1.57E-04	2.12E-03	7.49E-04
1.56E+02	1.75E-04	2.05E-03	6.16E-04
1.56E+02	2.03E-04	2.00E-03	5.15E-04
1.56E+02	2.10E-04	1.96E-03	4.96E-04
1.56E+02	1.86E-04	1.92E-03	4.93E-04
1.56E+02	8.58E-05	1.86E-03	5.44E-04
1.56E+02	-5.19E-05	1.80E-03	6.16E-04
1.56E+02	-1.34E-04	1.79E-03	7.10E-04
1.56E+02	-2.18E-04	1.80E-03	8.34E-04
1.56E+02	-2.99E-04	1.80E-03	9.05E-04
1.56E+02	-3.13E-04	1.81E-03	9.88E-04
1.56E+02	-2.87E-04	1.84E-03	1.09E-03
1.56E+02	-2.24E-04	1.87E-03	1.09E-03
1.56E+02	-1.72E-04	1.91E-03	1.05E-03
1.56E+02	-1.18E-04	1.99E-03	1.04E-03
1.56E+02	8.01E-06	2.13E-03	1.06E-03
1.56E+02	1.33E-04	2.31E-03	1.14E-03
1.56E+02	2.27E-04	2.43E-03	1.16E-03
1.56E+02	3.33E-04	2.51E-03	1.17E-03
1.56E+02	4.21E-04	2.57E-03	1.23E-03
1.56E+02	4.89E-04	2.57E-03	1.22E-03
1.56E+02	5.25E-04	2.56E-03	1.19E-03
1.56E+02	5.00E-04	2.52E-03	1.13E-03
1.56E+02	5.09E-04	2.48E-03	1.01E-03
1.56E+02	5.34E-04	2.48E-03	9.50E-04
1.56E+02	4.94E-04	2.44E-03	8.61E-04
1.56E+02	4.58E-04	2.41E-03	7.54E-04
1.56E+02	4.30E-04	2.39E-03	6.89E-04
1.56E+02	4.08E-04	2.35E-03	5.80E-04
1.56E+02	3.88E-04	2.30E-03	4.92E-04
1.56E+02	3.48E-04	2.25E-03	4.71E-04
1.56E+02	3.83E-04	2.23E-03	4.87E-04
1.56E+02	4.58E-04	2.26E-03	5.75E-04

1.56E+02	5.01E-04	2.25E-03	6.13E-04
1.56E+02	5.68E-04	2.24E-03	6.05E-04
1.56E+02	6.40E-04	2.24E-03	6.68E-04
1.56E+02	7.14E-04	2.25E-03	7.06E-04
1.56E+02	7.60E-04	2.26E-03	7.14E-04
1.56E+02	7.43E-04	2.27E-03	7.07E-04
1.56E+02	7.71E-04	2.32E-03	6.80E-04
1.56E+02	8.24E-04	2.44E-03	7.06E-04
1.56E+02	8.52E-04	2.58E-03	7.18E-04
1.56E+02	9.20E-04	2.70E-03	7.16E-04
1.56E+02	1.01E-03	2.83E-03	7.62E-04
1.56E+02	1.14E-03	2.92E-03	7.57E-04
1.56E+02	1.29E-03	2.93E-03	6.77E-04
1.56E+02	1.38E-03	2.88E-03	5.94E-04
1.56E+02	1.52E-03	2.82E-03	5.34E-04
1.56E+02	1.67E-03	2.77E-03	5.43E-04
1.56E+02	1.75E-03	2.69E-03	5.58E-04
1.56E+02	1.80E-03	2.58E-03	5.31E-04
1.56E+02	1.82E-03	2.52E-03	5.79E-04
1.56E+02	1.82E-03	2.44E-03	6.24E-04
1.56E+02	1.81E-03	2.32E-03	6.03E-04
1.56E+02	1.73E-03	2.20E-03	6.45E-04
1.56E+02	1.68E-03	2.08E-03	6.86E-04
1.56E+02	1.66E-03	1.98E-03	7.32E-04
1.56E+02	1.59E-03	1.89E-03	8.02E-04
1.56E+02	1.53E-03	1.80E-03	8.20E-04
1.56E+02	1.46E-03	1.70E-03	8.83E-04
1.56E+02	1.39E-03	1.59E-03	9.43E-04
1.56E+02	1.31E-03	1.46E-03	9.32E-04
1.56E+02	1.17E-03	1.31E-03	9.04E-04
1.56E+02	1.03E-03	1.17E-03	8.17E-04
1.56E+02	9.15E-04	1.07E-03	7.25E-04
1.56E+02	7.65E-04	9.58E-04	6.14E-04
1.56E+02	5.99E-04	8.30E-04	4.31E-04
1.56E+02	4.40E-04	7.07E-04	2.74E-04
1.56E+02	3.09E-04	5.92E-04	1.40E-04
1.56E+02	2.33E-04	4.93E-04	1.91E-05
1.56E+02	1.15E-04	4.01E-04	-6.96E-05
1.56E+02	-3.62E-06	3.14E-04	-1.69E-04
1.56E+02	-6.85E-05	2.63E-04	-2.50E-04
1.56E+02	-1.91E-04	2.36E-04	-2.78E-04
1.56E+02	-3.59E-04	2.08E-04	-2.84E-04
1.56E+02	-5.13E-04	2.14E-04	-2.41E-04
1.56E+02	-6.60E-04	2.65E-04	-1.38E-04
1.56E+02	-7.90E-04	3.47E-04	-2.92E-05
1.56E+02	-9.55E-04	4.44E-04	1.16E-04
1.56E+02	-1.14E-03	5.34E-04	2.74E-04

1.56E+02	-1.26E-03	6.37E-04	3.88E-04
1.56E+02	-1.43E-03	7.22E-04	4.42E-04
1.56E+02	-1.61E-03	7.49E-04	3.61E-04
1.56E+02	-1.73E-03	7.81E-04	2.80E-04
1.56E+02	-1.82E-03	8.24E-04	2.78E-04
1.56E+02	-1.88E-03	8.63E-04	2.45E-04
1.56E+02	-1.94E-03	9.27E-04	2.61E-04
1.56E+02	-2.01E-03	9.69E-04	2.84E-04
1.56E+02	-2.00E-03	9.93E-04	2.18E-04
1.56E+02	-2.00E-03	1.02E-03	1.29E-04
1.56E+02	-2.00E-03	9.91E-04	-3.32E-05
1.56E+02	-1.96E-03	9.61E-04	-1.88E-04
1.56E+02	-1.87E-03	9.71E-04	-2.49E-04
1.56E+02	-1.73E-03	9.55E-04	-3.71E-04
1.56E+02	-1.58E-03	9.26E-04	-5.06E-04
1.56E+02	-1.46E-03	9.00E-04	-5.93E-04
1.56E+02	-1.29E-03	8.75E-04	-6.71E-04
1.56E+02	-1.12E-03	8.53E-04	-6.98E-04
1.56E+02	-1.02E-03	7.93E-04	-7.60E-04
1.56E+02	-9.23E-04	7.43E-04	-7.84E-04
1.56E+02	-8.44E-04	7.28E-04	-6.92E-04
1.56E+02	-7.63E-04	7.16E-04	-6.22E-04
1.56E+02	-7.36E-04	7.31E-04	-5.22E-04
1.56E+02	-7.69E-04	7.53E-04	-4.21E-04
1.56E+02	-7.52E-04	7.81E-04	-3.77E-04
1.56E+02	-7.39E-04	8.43E-04	-3.03E-04
1.56E+02	-7.74E-04	9.04E-04	-2.95E-04
1.56E+02	-8.19E-04	9.84E-04	-3.44E-04
1.56E+02	-8.94E-04	1.11E-03	-3.46E-04
1.56E+02	-9.77E-04	1.25E-03	-3.95E-04
1.56E+02	-1.08E-03	1.40E-03	-4.31E-04
1.56E+02	-1.23E-03	1.54E-03	-4.02E-04
1.56E+02	-1.33E-03	1.67E-03	-4.00E-04
1.56E+02	-1.36E-03	1.81E-03	-3.76E-04
1.56E+02	-1.39E-03	1.90E-03	-4.14E-04
1.56E+02	-1.37E-03	1.90E-03	-5.43E-04
1.56E+02	-1.26E-03	1.91E-03	-5.94E-04
1.56E+02	-1.11E-03	1.90E-03	-6.31E-04
1.56E+02	-9.46E-04	1.84E-03	-6.85E-04
1.56E+02	-8.24E-04	1.78E-03	-6.95E-04
1.56E+02	-6.90E-04	1.71E-03	-7.20E-04
1.56E+02	-5.58E-04	1.64E-03	-7.51E-04
1.56E+02	-5.11E-04	1.57E-03	-8.10E-04
1.56E+02	-5.02E-04	1.48E-03	-9.02E-04
1.56E+02	-5.19E-04	1.41E-03	-9.05E-04
1.56E+02	-5.39E-04	1.36E-03	-8.68E-04
1.56E+02	-5.53E-04	1.27E-03	-8.78E-04

1.56E+02	-6.04E-04	1.18E-03	-8.01E-04
1.56E+02	-6.09E-04	1.12E-03	-6.29E-04
1.57E+02	-5.58E-04	1.07E-03	-4.16E-04
1.57E+02	-5.29E-04	1.00E-03	-2.17E-04
1.57E+02	-4.70E-04	9.17E-04	-1.39E-04
1.57E+02	-3.71E-04	8.75E-04	-6.24E-05
1.57E+02	-2.50E-04	8.87E-04	2.31E-05
1.57E+02	-1.07E-04	8.85E-04	4.52E-05
1.57E+02	-1.03E-05	8.77E-04	1.00E-04
1.57E+02	7.13E-05	8.64E-04	1.42E-04
1.57E+02	1.67E-04	8.11E-04	1.55E-04
1.57E+02	1.86E-04	7.24E-04	1.38E-04
1.57E+02	1.27E-04	6.06E-04	3.34E-05
1.57E+02	2.61E-05	5.13E-04	-7.10E-05
1.57E+02	-8.93E-05	4.83E-04	-1.91E-04
1.57E+02	-1.99E-04	4.70E-04	-3.36E-04
1.57E+02	-3.48E-04	4.96E-04	-3.88E-04
1.57E+02	-4.88E-04	5.50E-04	-4.11E-04
1.57E+02	-5.46E-04	6.12E-04	-4.33E-04
1.57E+02	-6.08E-04	6.72E-04	-4.33E-04
1.57E+02	-6.81E-04	6.40E-04	-4.91E-04
1.57E+02	-6.99E-04	5.74E-04	-5.11E-04
1.57E+02	-7.05E-04	5.09E-04	-4.94E-04
1.57E+02	-7.00E-04	4.12E-04	-5.38E-04
1.57E+02	-7.11E-04	3.54E-04	-5.53E-04
1.57E+02	-7.35E-04	3.13E-04	-5.65E-04
1.57E+02	-6.88E-04	2.90E-04	-5.85E-04
1.57E+02	-6.33E-04	3.14E-04	-5.38E-04
1.57E+02	-5.98E-04	3.29E-04	-5.16E-04
1.57E+02	-5.21E-04	3.44E-04	-4.59E-04
1.57E+02	-4.31E-04	3.85E-04	-3.20E-04
1.57E+02	-3.19E-04	4.03E-04	-2.56E-04
1.57E+02	-2.15E-04	3.99E-04	-1.90E-04
1.57E+02	-1.43E-04	3.90E-04	-9.57E-05
1.57E+02	-3.89E-05	3.73E-04	-5.61E-05
1.57E+02	4.46E-05	3.58E-04	-3.13E-05
1.57E+02	8.26E-05	3.24E-04	-1.18E-04
1.57E+02	1.44E-04	2.87E-04	-2.31E-04
1.57E+02	2.08E-04	2.92E-04	-2.49E-04
1.57E+02	2.60E-04	2.97E-04	-3.12E-04
1.57E+02	2.77E-04	2.85E-04	-3.99E-04
1.57E+02	2.28E-04	2.78E-04	-4.85E-04
1.57E+02	1.85E-04	2.86E-04	-5.87E-04
1.57E+02	1.45E-04	3.19E-04	-6.55E-04
1.57E+02	6.26E-05	3.36E-04	-7.59E-04
1.57E+02	4.20E-06	3.58E-04	-8.57E-04
1.57E+02	-1.93E-05	4.33E-04	-8.61E-04

1.57E+02	8.39E-06	4.99E-04	-8.89E-04
1.57E+02	7.08E-05	5.34E-04	-9.40E-04
1.57E+02	1.21E-04	5.76E-04	-9.27E-04
1.57E+02	2.35E-04	6.24E-04	-9.05E-04
1.57E+02	3.79E-04	6.70E-04	-8.54E-04
1.57E+02	4.88E-04	6.81E-04	-7.99E-04
1.57E+02	6.17E-04	6.64E-04	-7.63E-04
1.57E+02	7.48E-04	6.65E-04	-6.57E-04
1.57E+02	8.70E-04	6.61E-04	-5.72E-04
1.57E+02	9.71E-04	6.32E-04	-5.55E-04
1.57E+02	1.01E-03	6.19E-04	-5.36E-04
1.57E+02	1.06E-03	6.23E-04	-5.47E-04
1.57E+02	1.15E-03	6.30E-04	-5.40E-04
1.57E+02	1.18E-03	6.12E-04	-5.25E-04
1.57E+02	1.20E-03	5.49E-04	-5.66E-04
1.57E+02	1.20E-03	4.94E-04	-5.65E-04
1.57E+02	1.21E-03	4.21E-04	-5.50E-04
1.57E+02	1.21E-03	3.13E-04	-5.59E-04
1.57E+02	1.17E-03	2.22E-04	-5.17E-04
1.57E+02	1.14E-03	1.44E-04	-4.75E-04
1.57E+02	1.14E-03	7.93E-05	-4.32E-04
1.57E+02	1.10E-03	8.01E-06	-4.10E-04
1.57E+02	1.08E-03	-1.01E-04	-4.64E-04
1.57E+02	1.08E-03	-2.26E-04	-4.99E-04
1.57E+02	1.09E-03	-3.35E-04	-5.37E-04
1.57E+02	1.10E-03	-4.41E-04	-6.35E-04
1.57E+02	1.04E-03	-5.42E-04	-7.07E-04
1.57E+02	9.96E-04	-5.93E-04	-7.16E-04
1.57E+02	9.94E-04	-5.88E-04	-6.53E-04
1.57E+02	9.44E-04	-5.50E-04	-5.52E-04
1.57E+02	8.61E-04	-5.15E-04	-5.33E-04
1.57E+02	7.82E-04	-4.54E-04	-5.37E-04
1.57E+02	7.19E-04	-3.86E-04	-5.53E-04
1.57E+02	6.74E-04	-3.78E-04	-6.68E-04
1.57E+02	6.19E-04	-4.03E-04	-7.71E-04
1.57E+02	5.69E-04	-4.70E-04	-8.21E-04
1.57E+02	5.66E-04	-5.46E-04	-8.36E-04
1.57E+02	5.66E-04	-6.30E-04	-8.01E-04
1.57E+02	5.41E-04	-7.53E-04	-7.87E-04
1.57E+02	5.35E-04	-8.29E-04	-7.57E-04
1.57E+02	5.38E-04	-8.79E-04	-7.02E-04
1.57E+02	5.29E-04	-9.24E-04	-7.10E-04
1.57E+02	4.95E-04	-9.36E-04	-7.33E-04
1.57E+02	4.50E-04	-9.30E-04	-7.29E-04
1.57E+02	4.60E-04	-8.80E-04	-7.09E-04
1.57E+02	4.71E-04	-8.52E-04	-6.86E-04
1.57E+02	4.33E-04	-8.68E-04	-6.87E-04

1.57E+02	4.16E-04	-8.72E-04	-6.59E-04
1.57E+02	3.98E-04	-8.83E-04	-6.32E-04
1.57E+02	3.70E-04	-8.95E-04	-6.94E-04
1.57E+02	3.33E-04	-8.73E-04	-7.79E-04
1.57E+02	2.67E-04	-8.34E-04	-8.62E-04
1.57E+02	2.38E-04	-7.57E-04	-9.20E-04
1.57E+02	2.03E-04	-6.45E-04	-9.47E-04
1.57E+02	1.23E-04	-5.72E-04	-1.03E-03
1.57E+02	6.18E-05	-5.23E-04	-1.12E-03
1.57E+02	8.58E-06	-4.58E-04	-1.14E-03
1.57E+02	-5.82E-05	-4.12E-04	-1.14E-03
1.57E+02	-1.75E-04	-3.90E-04	-1.10E-03
1.57E+02	-3.44E-04	-3.53E-04	-1.00E-03
1.57E+02	-5.02E-04	-2.90E-04	-8.84E-04
1.57E+02	-6.93E-04	-2.33E-04	-7.23E-04
1.57E+02	-9.34E-04	-1.92E-04	-5.98E-04
1.57E+02	-1.16E-03	-1.56E-04	-5.11E-04
1.57E+02	-1.36E-03	-1.17E-04	-4.11E-04
1.57E+02	-1.52E-03	-8.66E-05	-4.06E-04
1.57E+02	-1.63E-03	-1.06E-04	-4.76E-04
1.57E+02	-1.74E-03	-1.67E-04	-5.32E-04
1.57E+02	-1.74E-03	-2.23E-04	-6.02E-04
1.57E+02	-1.72E-03	-2.82E-04	-6.45E-04
1.57E+02	-1.72E-03	-3.72E-04	-7.18E-04
1.57E+02	-1.70E-03	-4.65E-04	-8.46E-04
1.57E+02	-1.70E-03	-5.04E-04	-9.06E-04
1.57E+02	-1.68E-03	-5.01E-04	-9.73E-04
1.57E+02	-1.68E-03	-4.78E-04	-1.06E-03
1.57E+02	-1.74E-03	-4.10E-04	-1.09E-03
1.57E+02	-1.77E-03	-3.13E-04	-1.13E-03
1.57E+02	-1.79E-03	-1.90E-04	-1.16E-03
1.57E+02	-1.81E-03	-4.41E-05	-1.14E-03
1.57E+02	-1.83E-03	7.44E-05	-1.14E-03
1.57E+02	-1.84E-03	2.00E-04	-1.07E-03
1.57E+02	-1.80E-03	3.15E-04	-9.98E-04
1.57E+02	-1.77E-03	3.62E-04	-9.64E-04
1.57E+02	-1.78E-03	3.91E-04	-8.63E-04
1.57E+02	-1.76E-03	4.22E-04	-7.63E-04
1.57E+02	-1.72E-03	4.60E-04	-6.48E-04
1.57E+02	-1.71E-03	4.92E-04	-5.31E-04
1.57E+02	-1.69E-03	5.10E-04	-4.91E-04
1.57E+02	-1.62E-03	5.49E-04	-4.02E-04
1.57E+02	-1.51E-03	5.90E-04	-3.15E-04
1.57E+02	-1.40E-03	6.09E-04	-2.97E-04
1.57E+02	-1.32E-03	6.16E-04	-3.11E-04
1.57E+02	-1.23E-03	6.06E-04	-4.34E-04
1.57E+02	-1.07E-03	5.87E-04	-5.70E-04

1.57E+02	-9.70E-04	5.39E-04	-7.14E-04
1.57E+02	-8.85E-04	4.39E-04	-9.28E-04
1.57E+02	-7.75E-04	3.52E-04	-1.03E-03
1.57E+02	-6.73E-04	2.91E-04	-1.05E-03
1.57E+02	-5.74E-04	2.01E-04	-1.08E-03
1.57E+02	-5.27E-04	1.07E-04	-1.08E-03
1.57E+02	-5.04E-04	2.08E-05	-1.10E-03
1.57E+02	-4.46E-04	-4.10E-05	-1.15E-03
1.57E+02	-4.41E-04	-7.11E-05	-1.20E-03
1.57E+02	-4.39E-04	-1.13E-04	-1.29E-03
1.57E+02	-3.90E-04	-1.09E-04	-1.30E-03
1.57E+02	-3.41E-04	-5.80E-05	-1.26E-03
1.57E+02	-2.79E-04	-2.71E-05	-1.27E-03
1.57E+02	-2.68E-04	-5.72E-06	-1.25E-03
1.57E+02	-2.82E-04	-1.89E-05	-1.21E-03
1.57E+02	-2.58E-04	-6.45E-05	-1.21E-03
1.57E+02	-2.82E-04	-1.39E-04	-1.16E-03
1.57E+02	-3.30E-04	-2.48E-04	-1.15E-03
1.57E+02	-3.76E-04	-3.45E-04	-1.15E-03
1.57E+02	-4.22E-04	-4.07E-04	-1.10E-03
1.57E+02	-4.26E-04	-4.45E-04	-1.11E-03
1.57E+02	-4.80E-04	-4.75E-04	-1.07E-03
1.57E+02	-5.40E-04	-4.56E-04	-9.73E-04
1.57E+02	-5.27E-04	-3.98E-04	-8.85E-04
1.57E+02	-5.54E-04	-3.61E-04	-8.04E-04
1.57E+02	-5.91E-04	-3.46E-04	-8.09E-04
1.57E+02	-5.89E-04	-3.52E-04	-8.26E-04
1.57E+02	-5.85E-04	-3.66E-04	-7.88E-04
1.57E+02	-5.63E-04	-3.97E-04	-7.87E-04
1.57E+02	-5.85E-04	-4.37E-04	-7.72E-04
1.57E+02	-6.46E-04	-4.67E-04	-7.40E-04
1.57E+02	-6.55E-04	-4.82E-04	-7.57E-04
1.57E+02	-6.72E-04	-4.63E-04	-7.58E-04
1.57E+02	-7.16E-04	-4.54E-04	-7.75E-04
1.57E+02	-7.41E-04	-4.56E-04	-8.10E-04
1.57E+02	-7.48E-04	-4.32E-04	-7.76E-04
1.57E+02	-7.19E-04	-4.53E-04	-7.92E-04
1.57E+02	-6.84E-04	-5.34E-04	-8.43E-04
1.57E+02	-6.47E-04	-6.25E-04	-8.34E-04
1.57E+02	-5.52E-04	-7.59E-04	-8.72E-04
1.57E+02	-4.39E-04	-9.26E-04	-9.25E-04
1.57E+02	-3.18E-04	-1.12E-03	-9.96E-04
1.57E+02	-1.62E-04	-1.33E-03	-1.06E-03
1.57E+02	-6.10E-06	-1.50E-03	-1.00E-03
1.57E+02	1.38E-04	-1.65E-03	-9.28E-04
1.57E+02	2.21E-04	-1.79E-03	-8.07E-04
1.57E+02	1.97E-04	-1.90E-03	-6.92E-04

1.57E+02	1.59E-04	-1.99E-03	-6.95E-04
1.57E+02	8.24E-05	-2.04E-03	-6.81E-04
1.57E+02	-7.90E-05	-2.06E-03	-7.11E-04
1.57E+02	-2.52E-04	-2.05E-03	-7.95E-04
1.57E+02	-4.38E-04	-1.98E-03	-7.69E-04
1.57E+02	-6.14E-04	-1.90E-03	-7.33E-04
1.57E+02	-7.96E-04	-1.84E-03	-6.88E-04
1.57E+02	-1.03E-03	-1.77E-03	-5.72E-04
1.57E+02	-1.22E-03	-1.70E-03	-4.54E-04
1.57E+02	-1.39E-03	-1.61E-03	-2.90E-04
1.57E+02	-1.58E-03	-1.50E-03	-1.60E-04
1.57E+02	-1.72E-03	-1.38E-03	-1.32E-04
1.57E+02	-1.78E-03	-1.21E-03	-5.51E-05
1.57E+02	-1.78E-03	-1.01E-03	1.03E-05
1.58E+02	-1.74E-03	-8.44E-04	-5.53E-06
1.58E+02	-1.72E-03	-7.21E-04	-3.49E-05
1.58E+02	-1.62E-03	-6.47E-04	-9.84E-05
1.58E+02	-1.50E-03	-6.26E-04	-1.12E-04
1.58E+02	-1.42E-03	-6.59E-04	-1.16E-04
1.58E+02	-1.33E-03	-7.80E-04	-2.21E-04
1.58E+02	-1.25E-03	-9.04E-04	-2.76E-04
1.58E+02	-1.19E-03	-1.02E-03	-3.33E-04
1.58E+02	-1.15E-03	-1.19E-03	-4.41E-04
1.58E+02	-1.17E-03	-1.33E-03	-4.46E-04
1.58E+02	-1.18E-03	-1.45E-03	-3.99E-04
1.58E+02	-1.17E-03	-1.54E-03	-3.32E-04
1.58E+02	-1.22E-03	-1.64E-03	-3.14E-04
1.58E+02	-1.26E-03	-1.78E-03	-4.02E-04
1.58E+02	-1.28E-03	-1.89E-03	-4.31E-04
1.58E+02	-1.27E-03	-1.97E-03	-4.62E-04
1.58E+02	-1.22E-03	-2.05E-03	-5.44E-04
1.58E+02	-1.20E-03	-2.07E-03	-5.44E-04
1.58E+02	-1.15E-03	-2.04E-03	-5.02E-04
1.58E+02	-1.00E-03	-1.98E-03	-4.24E-04
1.58E+02	-8.76E-04	-1.90E-03	-3.12E-04
1.58E+02	-7.68E-04	-1.86E-03	-2.62E-04
1.58E+02	-6.40E-04	-1.80E-03	-2.37E-04
1.58E+02	-5.21E-04	-1.72E-03	-2.46E-04
1.58E+02	-3.91E-04	-1.67E-03	-3.22E-04
1.58E+02	-3.09E-04	-1.59E-03	-3.40E-04
1.58E+02	-2.71E-04	-1.50E-03	-3.25E-04
1.58E+02	-2.01E-04	-1.41E-03	-3.17E-04
1.58E+02	-2.08E-04	-1.34E-03	-3.32E-04
1.58E+02	-2.76E-04	-1.32E-03	-4.53E-04
1.58E+02	-3.17E-04	-1.29E-03	-5.43E-04
1.58E+02	-3.77E-04	-1.25E-03	-5.87E-04
1.58E+02	-4.30E-04	-1.21E-03	-6.66E-04

1.58E+02	-5.18E-04	-1.16E-03	-6.56E-04
1.58E+02	-6.26E-04	-1.09E-03	-5.75E-04
1.58E+02	-6.78E-04	-1.02E-03	-4.57E-04
1.58E+02	-7.34E-04	-9.42E-04	-2.61E-04
1.58E+02	-8.00E-04	-9.13E-04	-8.96E-05
1.58E+02	-8.42E-04	-9.14E-04	5.19E-05
1.58E+02	-8.55E-04	-9.01E-04	1.97E-04
1.58E+02	-8.35E-04	-9.16E-04	2.15E-04
1.58E+02	-8.36E-04	-9.44E-04	1.77E-04
1.58E+02	-8.65E-04	-9.44E-04	1.87E-04
1.58E+02	-8.54E-04	-9.32E-04	2.30E-04
1.58E+02	-8.66E-04	-9.21E-04	3.31E-04
1.58E+02	-9.50E-04	-9.76E-04	3.56E-04
1.58E+02	-1.03E-03	-1.07E-03	3.06E-04
1.58E+02	-1.09E-03	-1.14E-03	3.00E-04
1.58E+02	-1.15E-03	-1.22E-03	2.57E-04
1.58E+02	-1.22E-03	-1.29E-03	2.35E-04
1.58E+02	-1.32E-03	-1.31E-03	2.82E-04
1.58E+02	-1.35E-03	-1.33E-03	3.06E-04
1.58E+02	-1.37E-03	-1.32E-03	3.49E-04
1.58E+02	-1.42E-03	-1.31E-03	3.81E-04
1.58E+02	-1.44E-03	-1.33E-03	3.82E-04
1.58E+02	-1.44E-03	-1.30E-03	4.76E-04
1.58E+02	-1.40E-03	-1.23E-03	5.54E-04
1.58E+02	-1.35E-03	-1.16E-03	5.50E-04
1.58E+02	-1.33E-03	-1.03E-03	5.67E-04
1.58E+02	-1.26E-03	-8.68E-04	5.93E-04
1.58E+02	-1.20E-03	-6.90E-04	6.56E-04
1.58E+02	-1.20E-03	-5.74E-04	6.84E-04
1.58E+02	-1.20E-03	-5.36E-04	6.62E-04
1.58E+02	-1.21E-03	-5.03E-04	7.22E-04
1.58E+02	-1.23E-03	-5.15E-04	7.47E-04
1.58E+02	-1.26E-03	-5.54E-04	7.11E-04
1.58E+02	-1.32E-03	-5.64E-04	7.03E-04
1.58E+02	-1.32E-03	-5.68E-04	6.66E-04
1.58E+02	-1.28E-03	-5.45E-04	6.42E-04
1.58E+02	-1.26E-03	-5.29E-04	6.27E-04
1.58E+02	-1.23E-03	-5.45E-04	6.01E-04
1.58E+02	-1.18E-03	-5.51E-04	6.74E-04
1.58E+02	-1.10E-03	-5.94E-04	7.89E-04
1.58E+02	-1.04E-03	-6.91E-04	8.91E-04
1.58E+02	-1.03E-03	-8.01E-04	1.04E-03
1.58E+02	-1.01E-03	-9.04E-04	1.16E-03
1.58E+02	-9.54E-04	-9.75E-04	1.28E-03
1.58E+02	-9.28E-04	-1.04E-03	1.37E-03
1.58E+02	-8.81E-04	-1.14E-03	1.37E-03
1.58E+02	-8.08E-04	-1.24E-03	1.41E-03

1.58E+02	-7.09E-04	-1.32E-03	1.46E-03
1.58E+02	-6.01E-04	-1.44E-03	1.43E-03
1.58E+02	-5.42E-04	-1.55E-03	1.41E-03
1.58E+02	-4.74E-04	-1.63E-03	1.37E-03
1.58E+02	-3.73E-04	-1.70E-03	1.31E-03
1.58E+02	-3.26E-04	-1.72E-03	1.30E-03
1.58E+02	-3.31E-04	-1.72E-03	1.24E-03
1.58E+02	-3.64E-04	-1.68E-03	1.23E-03
1.58E+02	-4.29E-04	-1.60E-03	1.21E-03
1.58E+02	-5.24E-04	-1.54E-03	1.08E-03
1.58E+02	-6.86E-04	-1.47E-03	9.89E-04
1.58E+02	-8.60E-04	-1.39E-03	8.95E-04
1.58E+02	-9.53E-04	-1.28E-03	8.27E-04
1.58E+02	-1.02E-03	-1.14E-03	8.57E-04
1.58E+02	-1.08E-03	-1.04E-03	8.72E-04
1.58E+02	-1.06E-03	-9.45E-04	9.71E-04
1.58E+02	-9.86E-04	-8.38E-04	1.17E-03
1.58E+02	-9.04E-04	-7.84E-04	1.30E-03
1.58E+02	-8.49E-04	-7.67E-04	1.37E-03
1.58E+02	-7.97E-04	-7.58E-04	1.41E-03
1.58E+02	-7.00E-04	-7.60E-04	1.39E-03
1.58E+02	-6.36E-04	-7.63E-04	1.36E-03
1.58E+02	-6.07E-04	-7.75E-04	1.26E-03
1.58E+02	-5.76E-04	-7.78E-04	1.18E-03
1.58E+02	-5.54E-04	-7.41E-04	1.18E-03
1.58E+02	-5.28E-04	-7.32E-04	1.15E-03
1.58E+02	-5.48E-04	-7.63E-04	1.12E-03
1.58E+02	-6.06E-04	-7.80E-04	1.11E-03
1.58E+02	-6.12E-04	-7.81E-04	1.04E-03
1.58E+02	-6.16E-04	-7.68E-04	9.56E-04
1.58E+02	-6.18E-04	-7.64E-04	8.37E-04
1.58E+02	-5.55E-04	-7.51E-04	7.34E-04
1.58E+02	-4.45E-04	-7.00E-04	7.23E-04
1.58E+02	-2.86E-04	-6.53E-04	7.06E-04
1.58E+02	-1.49E-04	-6.31E-04	6.75E-04
1.58E+02	-5.49E-05	-6.16E-04	6.46E-04
1.58E+02	8.79E-05	-5.91E-04	6.14E-04
1.58E+02	2.09E-04	-5.43E-04	6.38E-04
1.58E+02	2.58E-04	-4.95E-04	6.58E-04
1.58E+02	2.99E-04	-4.31E-04	6.84E-04
1.58E+02	3.35E-04	-3.17E-04	7.80E-04
1.58E+02	3.47E-04	-2.02E-04	8.22E-04
1.58E+02	3.19E-04	-1.11E-04	8.43E-04
1.58E+02	2.53E-04	-2.44E-05	9.38E-04
1.58E+02	2.20E-04	4.16E-05	1.05E-03
1.58E+02	2.00E-04	7.65E-05	1.15E-03
1.58E+02	1.38E-04	6.07E-05	1.18E-03

1.58E+02	1.04E-04	1.34E-06	1.14E-03
1.58E+02	8.32E-05	-5.68E-05	1.16E-03
1.58E+02	5.95E-05	-1.28E-04	1.14E-03
1.58E+02	3.91E-05	-2.22E-04	1.07E-03
1.58E+02	3.05E-06	-2.99E-04	1.04E-03
1.58E+02	2.08E-05	-3.51E-04	1.01E-03
1.58E+02	5.76E-05	-3.76E-04	1.02E-03
1.58E+02	5.47E-05	-3.79E-04	1.01E-03
1.58E+02	4.29E-05	-3.75E-04	9.12E-04
1.58E+02	3.05E-05	-3.06E-04	8.43E-04
1.58E+02	1.95E-05	-2.23E-04	7.35E-04
1.58E+02	-1.41E-05	-1.68E-04	6.25E-04
1.58E+02	-8.13E-05	-8.43E-05	6.41E-04
1.58E+02	-1.29E-04	2.48E-06	6.74E-04
1.58E+02	-1.64E-04	9.35E-05	7.51E-04
1.58E+02	-2.38E-04	1.60E-04	8.47E-04
1.58E+02	-3.06E-04	1.66E-04	8.82E-04
1.58E+02	-3.46E-04	1.75E-04	9.72E-04
1.58E+02	-3.69E-04	1.73E-04	1.05E-03
1.58E+02	-3.93E-04	1.35E-04	1.06E-03
1.58E+02	-4.46E-04	8.75E-05	1.09E-03
1.58E+02	-4.52E-04	3.03E-05	1.11E-03
1.58E+02	-3.97E-04	-2.00E-05	1.18E-03
1.58E+02	-3.66E-04	-8.74E-05	1.26E-03
1.58E+02	-3.25E-04	-1.79E-04	1.26E-03
1.58E+02	-2.57E-04	-2.42E-04	1.30E-03
1.58E+02	-1.75E-04	-2.94E-04	1.31E-03
1.58E+02	-5.99E-05	-3.33E-04	1.29E-03
1.58E+02	2.48E-06	-3.62E-04	1.31E-03
1.58E+02	5.11E-05	-3.99E-04	1.30E-03
1.58E+02	1.42E-04	-3.92E-04	1.31E-03
1.58E+02	1.75E-04	-3.82E-04	1.28E-03
1.58E+02	2.00E-04	-3.94E-04	1.12E-03
1.58E+02	2.59E-04	-3.55E-04	1.04E-03
1.58E+02	3.31E-04	-2.74E-04	9.92E-04
1.58E+02	3.91E-04	-1.83E-04	8.63E-04
1.58E+02	3.85E-04	-8.07E-05	7.32E-04
1.58E+02	3.84E-04	3.55E-05	5.84E-04
1.58E+02	4.12E-04	1.70E-04	4.74E-04
1.58E+02	4.01E-04	2.95E-04	4.24E-04
1.58E+02	3.85E-04	3.74E-04	3.72E-04
1.58E+02	3.92E-04	4.39E-04	4.41E-04
1.58E+02	4.26E-04	4.98E-04	5.78E-04
1.58E+02	4.90E-04	5.04E-04	6.43E-04
1.58E+02	5.20E-04	4.81E-04	7.11E-04
1.58E+02	5.58E-04	4.46E-04	7.56E-04
1.58E+02	6.57E-04	4.07E-04	7.74E-04

1.58E+02	7.34E-04	3.64E-04	8.04E-04
1.58E+02	8.07E-04	2.82E-04	7.57E-04
1.58E+02	9.18E-04	2.11E-04	7.38E-04
1.58E+02	1.05E-03	1.70E-04	8.02E-04
1.58E+02	1.18E-03	1.16E-04	8.36E-04
1.58E+02	1.27E-03	6.01E-05	8.88E-04
1.58E+02	1.33E-03	2.10E-06	9.29E-04
1.58E+02	1.42E-03	-4.79E-05	9.30E-04
1.58E+02	1.46E-03	-9.57E-05	9.42E-04
1.58E+02	1.44E-03	-1.74E-04	8.91E-04
1.58E+02	1.41E-03	-2.52E-04	8.61E-04
1.58E+02	1.35E-03	-3.10E-04	8.74E-04
1.58E+02	1.29E-03	-3.69E-04	7.93E-04
1.58E+02	1.21E-03	-4.29E-04	7.33E-04
1.58E+02	1.09E-03	-4.79E-04	6.75E-04
1.58E+02	1.07E-03	-4.86E-04	5.88E-04
1.58E+02	1.09E-03	-4.65E-04	5.46E-04
1.58E+02	1.10E-03	-4.72E-04	4.31E-04
1.58E+02	1.15E-03	-4.80E-04	3.51E-04
1.58E+02	1.23E-03	-4.79E-04	3.66E-04
1.58E+02	1.31E-03	-5.06E-04	3.19E-04
1.58E+02	1.33E-03	-5.57E-04	2.78E-04
1.58E+02	1.30E-03	-6.22E-04	2.44E-04
1.58E+02	1.29E-03	-6.86E-04	1.71E-04
1.58E+02	1.26E-03	-7.19E-04	1.51E-04
1.58E+02	1.18E-03	-7.40E-04	1.23E-04
1.59E+02	1.09E-03	-7.52E-04	8.51E-05
1.59E+02	1.00E-03	-7.33E-04	1.10E-04
1.59E+02	9.37E-04	-7.35E-04	8.60E-05
1.59E+02	8.82E-04	-7.73E-04	1.81E-05
1.59E+02	8.07E-04	-8.17E-04	-3.09E-05
1.59E+02	8.12E-04	-8.43E-04	-4.27E-05
1.59E+02	8.60E-04	-8.46E-04	1.20E-05
1.59E+02	8.82E-04	-8.73E-04	2.71E-05
1.59E+02	9.38E-04	-9.08E-04	2.99E-05
1.59E+02	9.89E-04	-9.20E-04	1.13E-04
1.59E+02	1.02E-03	-9.45E-04	1.71E-04
1.59E+02	9.98E-04	-9.80E-04	1.81E-04
1.59E+02	8.69E-04	-1.01E-03	1.75E-04
1.59E+02	7.46E-04	-9.98E-04	1.44E-04
1.59E+02	6.38E-04	-9.33E-04	1.93E-04
1.59E+02	5.06E-04	-8.75E-04	3.10E-04
1.59E+02	3.94E-04	-8.36E-04	4.24E-04
1.59E+02	3.19E-04	-7.67E-04	5.84E-04
1.59E+02	3.00E-04	-7.14E-04	6.67E-04
1.59E+02	3.05E-04	-6.95E-04	6.19E-04
1.59E+02	2.90E-04	-6.90E-04	5.25E-04

1.59E+02	3.38E-04	-6.87E-04	3.79E-04
1.59E+02	4.39E-04	-6.60E-04	2.66E-04
1.59E+02	5.03E-04	-6.51E-04	1.79E-04
1.59E+02	5.51E-04	-6.83E-04	4.44E-05
1.59E+02	5.98E-04	-7.13E-04	-3.81E-05
1.59E+02	6.53E-04	-7.43E-04	-1.01E-04
1.59E+02	6.86E-04	-7.93E-04	-2.00E-04
1.59E+02	6.44E-04	-8.47E-04	-2.67E-04
1.59E+02	6.14E-04	-8.88E-04	-3.17E-04
1.59E+02	6.40E-04	-8.99E-04	-3.38E-04
1.59E+02	6.35E-04	-9.03E-04	-3.44E-04
1.59E+02	6.24E-04	-9.39E-04	-4.08E-04
1.59E+02	6.60E-04	-9.82E-04	-4.26E-04
1.59E+02	7.28E-04	-1.04E-03	-4.15E-04
1.59E+02	8.29E-04	-1.14E-03	-5.04E-04
1.59E+02	9.27E-04	-1.24E-03	-6.09E-04
1.59E+02	1.06E-03	-1.33E-03	-6.79E-04
1.59E+02	1.26E-03	-1.38E-03	-6.80E-04
1.59E+02	1.42E-03	-1.41E-03	-6.36E-04
1.59E+02	1.54E-03	-1.46E-03	-6.45E-04
1.59E+02	1.65E-03	-1.48E-03	-5.66E-04
1.59E+02	1.72E-03	-1.47E-03	-3.89E-04
1.59E+02	1.76E-03	-1.46E-03	-2.77E-04
1.59E+02	1.72E-03	-1.44E-03	-2.13E-04
1.59E+02	1.65E-03	-1.41E-03	-2.32E-04
1.59E+02	1.63E-03	-1.35E-03	-2.98E-04
1.59E+02	1.58E-03	-1.27E-03	-3.33E-04
1.59E+02	1.54E-03	-1.20E-03	-3.77E-04
1.59E+02	1.53E-03	-1.11E-03	-3.18E-04
1.59E+02	1.53E-03	-9.94E-04	-1.87E-04
1.59E+02	1.54E-03	-9.05E-04	-1.38E-04
1.59E+02	1.51E-03	-8.33E-04	-1.27E-04
1.59E+02	1.43E-03	-7.40E-04	-1.45E-04
1.59E+02	1.41E-03	-5.91E-04	-1.67E-04
1.59E+02	1.34E-03	-4.03E-04	-1.72E-04
1.59E+02	1.23E-03	-2.44E-04	-2.29E-04
1.59E+02	1.14E-03	-8.39E-05	-2.47E-04
1.59E+02	1.07E-03	7.38E-05	-1.75E-04
1.59E+02	1.04E-03	1.79E-04	-1.35E-04
1.59E+02	9.83E-04	2.44E-04	-1.34E-04
1.59E+02	9.22E-04	2.72E-04	-1.69E-04
1.59E+02	9.44E-04	2.82E-04	-2.53E-04
1.59E+02	9.82E-04	3.20E-04	-3.06E-04
1.59E+02	1.01E-03	3.49E-04	-3.86E-04
1.59E+02	1.05E-03	3.74E-04	-4.55E-04
1.59E+02	1.08E-03	4.30E-04	-4.29E-04
1.59E+02	1.12E-03	4.49E-04	-4.30E-04

1.59E+02	1.13E-03	4.25E-04	-4.36E-04
1.59E+02	1.08E-03	3.80E-04	-4.27E-04
1.59E+02	1.07E-03	3.18E-04	-4.64E-04
1.59E+02	1.05E-03	2.67E-04	-4.92E-04
1.59E+02	9.83E-04	1.97E-04	-5.75E-04
1.59E+02	9.47E-04	1.40E-04	-6.90E-04
1.59E+02	9.51E-04	1.50E-04	-7.29E-04
1.59E+02	9.98E-04	1.96E-04	-7.69E-04
1.59E+02	1.07E-03	2.83E-04	-8.02E-04
1.59E+02	1.12E-03	3.88E-04	-8.29E-04
1.59E+02	1.19E-03	4.88E-04	-9.13E-04
1.59E+02	1.30E-03	5.93E-04	-9.64E-04
1.59E+02	1.34E-03	6.44E-04	-1.04E-03
1.59E+02	1.35E-03	6.31E-04	-1.20E-03
1.59E+02	1.35E-03	6.05E-04	-1.31E-03
1.59E+02	1.32E-03	5.51E-04	-1.36E-03
1.59E+02	1.27E-03	4.61E-04	-1.37E-03
1.59E+02	1.15E-03	3.63E-04	-1.32E-03
1.59E+02	1.05E-03	2.76E-04	-1.25E-03
1.59E+02	9.74E-04	2.09E-04	-1.14E-03
1.59E+02	8.63E-04	1.43E-04	-1.07E-03
1.59E+02	7.80E-04	6.92E-05	-1.10E-03
1.59E+02	7.52E-04	3.80E-05	-1.12E-03
1.59E+02	7.67E-04	4.79E-05	-1.15E-03
1.59E+02	7.97E-04	5.36E-05	-1.23E-03
1.59E+02	8.10E-04	5.70E-05	-1.29E-03
1.59E+02	8.79E-04	5.55E-05	-1.31E-03
1.59E+02	9.99E-04	3.51E-05	-1.24E-03
1.59E+02	1.08E-03	-2.50E-05	-1.15E-03
1.59E+02	1.15E-03	-1.30E-04	-1.12E-03
1.59E+02	1.23E-03	-2.29E-04	-1.04E-03
1.59E+02	1.32E-03	-3.06E-04	-9.12E-04
1.59E+02	1.37E-03	-3.73E-04	-8.03E-04
1.59E+02	1.36E-03	-4.24E-04	-7.09E-04
1.59E+02	1.29E-03	-4.63E-04	-6.33E-04
1.59E+02	1.22E-03	-4.76E-04	-5.74E-04
1.59E+02	1.09E-03	-4.96E-04	-5.88E-04
1.59E+02	9.30E-04	-5.45E-04	-7.14E-04
1.59E+02	7.96E-04	-5.58E-04	-8.11E-04
1.59E+02	6.89E-04	-5.13E-04	-8.57E-04
1.59E+02	6.07E-04	-4.45E-04	-9.42E-04
1.59E+02	5.17E-04	-3.52E-04	-1.00E-03
1.59E+02	4.62E-04	-2.24E-04	-1.05E-03
1.59E+02	4.59E-04	-1.05E-04	-1.13E-03
1.59E+02	4.63E-04	-5.53E-06	-1.20E-03
1.59E+02	4.75E-04	5.91E-05	-1.28E-03
1.59E+02	4.96E-04	9.82E-05	-1.33E-03

1.59E+02	5.46E-04	1.61E-04	-1.31E-03
1.59E+02	6.18E-04	1.94E-04	-1.29E-03
1.59E+02	6.69E-04	2.11E-04	-1.20E-03
1.59E+02	7.10E-04	2.50E-04	-1.05E-03
1.59E+02	7.82E-04	2.80E-04	-9.20E-04
1.59E+02	8.28E-04	2.98E-04	-8.21E-04
1.59E+02	8.06E-04	2.54E-04	-8.19E-04
1.59E+02	7.73E-04	1.88E-04	-8.49E-04
1.59E+02	7.41E-04	1.46E-04	-8.31E-04
1.59E+02	6.85E-04	9.84E-05	-8.37E-04
1.59E+02	5.74E-04	7.46E-05	-8.19E-04
1.59E+02	4.20E-04	6.96E-05	-7.75E-04
1.59E+02	3.14E-04	8.18E-05	-7.27E-04
1.59E+02	2.10E-04	9.67E-05	-6.30E-04
1.59E+02	7.86E-05	5.97E-05	-5.78E-04
1.59E+02	1.16E-05	7.63E-06	-5.36E-04
1.59E+02	-9.35E-06	-6.33E-05	-4.36E-04
1.59E+02	-3.81E-07	-1.76E-04	-3.64E-04
1.59E+02	2.17E-05	-2.93E-04	-2.83E-04
1.59E+02	2.48E-05	-4.22E-04	-2.11E-04
1.59E+02	5.82E-05	-5.17E-04	-2.07E-04
1.59E+02	8.47E-05	-5.57E-04	-2.46E-04
1.59E+02	6.45E-05	-6.06E-04	-3.87E-04
1.59E+02	4.84E-05	-6.22E-04	-5.56E-04
1.59E+02	5.86E-05	-5.71E-04	-6.71E-04
1.59E+02	8.41E-05	-5.06E-04	-8.06E-04
1.59E+02	8.26E-05	-4.49E-04	-9.43E-04
1.59E+02	4.22E-05	-4.28E-04	-1.05E-03
1.59E+02	4.14E-05	-4.44E-04	-1.11E-03
1.59E+02	6.60E-05	-4.82E-04	-1.10E-03
1.59E+02	4.88E-05	-5.75E-04	-1.08E-03
1.59E+02	4.48E-05	-6.87E-04	-1.07E-03
1.59E+02	6.83E-05	-7.45E-04	-1.01E-03
1.59E+02	1.09E-04	-7.70E-04	-9.50E-04
1.59E+02	1.58E-04	-7.68E-04	-8.83E-04
1.59E+02	1.84E-04	-7.21E-04	-7.21E-04
1.59E+02	2.37E-04	-6.68E-04	-5.39E-04
1.59E+02	3.06E-04	-6.28E-04	-3.38E-04
1.59E+02	3.35E-04	-6.22E-04	-1.76E-04
1.59E+02	3.44E-04	-6.78E-04	-1.34E-04
1.59E+02	3.64E-04	-7.22E-04	-5.59E-05
1.59E+02	4.06E-04	-7.34E-04	9.92E-06
1.59E+02	4.34E-04	-7.56E-04	1.11E-05
1.59E+02	4.23E-04	-7.42E-04	5.40E-05
1.59E+02	4.51E-04	-6.86E-04	7.67E-05
1.59E+02	5.05E-04	-6.14E-04	9.31E-05
1.59E+02	5.14E-04	-5.49E-04	7.53E-05

1.59E+02	5.28E-04	-5.18E-04	-5.91E-05
1.59E+02	5.73E-04	-4.72E-04	-2.01E-04
1.59E+02	6.40E-04	-4.23E-04	-3.83E-04
1.59E+02	7.26E-04	-3.97E-04	-6.16E-04
1.59E+02	7.80E-04	-3.58E-04	-7.42E-04
1.59E+02	8.56E-04	-3.10E-04	-7.35E-04
1.59E+02	9.65E-04	-2.45E-04	-5.94E-04
1.59E+02	1.00E-03	-2.22E-04	-4.31E-04
1.59E+02	9.87E-04	-2.58E-04	-3.39E-04
1.59E+02	9.73E-04	-2.76E-04	-2.00E-04
1.59E+02	9.45E-04	-2.77E-04	-6.75E-05
1.59E+02	8.93E-04	-2.46E-04	2.04E-05
1.59E+02	7.86E-04	-1.60E-04	1.56E-04
1.59E+02	6.74E-04	-3.22E-05	3.01E-04
1.59E+02	5.89E-04	1.17E-04	4.68E-04
1.59E+02	4.67E-04	2.46E-04	6.65E-04
1.59E+02	3.17E-04	3.16E-04	8.14E-04
1.59E+02	1.92E-04	3.40E-04	9.73E-04
1.59E+02	1.00E-04	3.33E-04	1.10E-03
1.59E+02	3.78E-05	2.84E-04	1.11E-03
1.59E+02	-2.31E-05	2.45E-04	1.11E-03
1.59E+02	-5.76E-05	2.28E-04	1.12E-03
1.59E+02	-3.95E-05	2.30E-04	1.15E-03
1.59E+02	-4.71E-05	2.36E-04	1.19E-03
1.59E+02	-7.13E-05	1.92E-04	1.11E-03
1.59E+02	-4.84E-05	1.55E-04	1.01E-03
1.59E+02	7.06E-06	1.30E-04	9.49E-04
1.59E+02	8.22E-05	6.98E-05	8.32E-04
1.59E+02	1.32E-04	1.24E-05	7.19E-04
1.59E+02	1.69E-04	-3.62E-05	6.32E-04
1.59E+02	2.47E-04	-6.83E-05	5.71E-04
1.59E+02	2.90E-04	-8.87E-05	5.96E-04
1.59E+02	2.80E-04	-1.20E-04	6.34E-04
1.59E+02	2.83E-04	-1.30E-04	7.10E-04
1.59E+02	2.89E-04	-1.03E-04	8.48E-04
1.59E+02	3.04E-04	-6.45E-05	9.16E-04
1.59E+02	2.86E-04	-9.35E-06	9.60E-04
1.59E+02	2.33E-04	7.80E-05	9.92E-04
1.60E+02	2.15E-04	1.99E-04	9.69E-04
1.60E+02	1.75E-04	3.26E-04	9.53E-04
1.60E+02	9.71E-05	3.93E-04	8.94E-04
1.60E+02	5.74E-05	4.27E-04	8.47E-04
1.60E+02	5.47E-05	4.68E-04	8.85E-04
1.60E+02	8.07E-05	4.63E-04	8.79E-04
1.60E+02	1.02E-04	4.41E-04	8.58E-04
1.60E+02	1.10E-04	4.32E-04	8.61E-04
1.60E+02	1.77E-04	4.55E-04	8.58E-04

1.60E+02	2.55E-04	5.28E-04	9.04E-04
1.60E+02	2.94E-04	5.92E-04	8.87E-04
1.60E+02	3.51E-04	6.51E-04	8.02E-04
1.60E+02	4.21E-04	7.09E-04	7.54E-04
1.60E+02	5.09E-04	7.28E-04	6.64E-04
1.60E+02	5.85E-04	7.34E-04	6.04E-04
1.60E+02	6.15E-04	7.42E-04	6.48E-04
1.60E+02	6.63E-04	7.84E-04	7.26E-04
1.60E+02	6.91E-04	8.68E-04	8.38E-04
1.60E+02	6.46E-04	9.31E-04	8.89E-04
1.60E+02	5.77E-04	9.98E-04	9.01E-04
1.60E+02	4.94E-04	1.10E-03	9.90E-04
1.60E+02	4.09E-04	1.17E-03	1.04E-03
1.60E+02	3.06E-04	1.25E-03	1.03E-03
1.60E+02	1.64E-04	1.29E-03	1.01E-03
1.60E+02	9.46E-05	1.32E-03	1.02E-03
1.60E+02	9.94E-05	1.36E-03	1.12E-03
1.60E+02	7.95E-05	1.35E-03	1.22E-03
1.60E+02	8.14E-05	1.32E-03	1.27E-03
1.60E+02	1.20E-04	1.35E-03	1.37E-03
1.60E+02	1.77E-04	1.38E-03	1.41E-03
1.60E+02	2.36E-04	1.41E-03	1.38E-03
1.60E+02	2.41E-04	1.48E-03	1.38E-03
1.60E+02	2.37E-04	1.54E-03	1.39E-03
1.60E+02	2.35E-04	1.62E-03	1.43E-03
1.60E+02	1.59E-04	1.66E-03	1.42E-03
1.60E+02	5.72E-05	1.65E-03	1.30E-03
1.60E+02	-2.99E-05	1.63E-03	1.20E-03
1.60E+02	-1.10E-04	1.60E-03	1.12E-03
1.60E+02	-1.85E-04	1.54E-03	1.05E-03
1.60E+02	-2.99E-04	1.47E-03	9.96E-04
1.60E+02	-3.66E-04	1.41E-03	9.33E-04
1.60E+02	-3.70E-04	1.39E-03	8.90E-04
1.60E+02	-3.92E-04	1.35E-03	8.73E-04
1.60E+02	-3.77E-04	1.30E-03	8.25E-04
1.60E+02	-3.15E-04	1.29E-03	8.29E-04
1.60E+02	-2.02E-04	1.29E-03	8.43E-04
1.60E+02	-4.23E-05	1.29E-03	7.64E-04
1.60E+02	8.87E-05	1.30E-03	6.76E-04
1.60E+02	2.44E-04	1.34E-03	5.88E-04
1.60E+02	4.43E-04	1.42E-03	5.62E-04
1.60E+02	5.84E-04	1.53E-03	5.70E-04
1.60E+02	6.85E-04	1.60E-03	5.03E-04
1.60E+02	7.68E-04	1.71E-03	5.28E-04
1.60E+02	8.17E-04	1.83E-03	6.29E-04
1.60E+02	8.42E-04	1.95E-03	6.72E-04
1.60E+02	7.81E-04	2.04E-03	7.15E-04

1.60E+02	6.64E-04	2.11E-03	7.10E-04
1.60E+02	5.74E-04	2.18E-03	6.75E-04
1.60E+02	4.46E-04	2.22E-03	6.78E-04
1.60E+02	2.99E-04	2.23E-03	6.34E-04
1.60E+02	1.91E-04	2.25E-03	6.20E-04
1.60E+02	1.09E-04	2.31E-03	6.66E-04
1.60E+02	7.99E-05	2.38E-03	6.53E-04
1.60E+02	4.33E-05	2.46E-03	6.75E-04
1.60E+02	5.72E-07	2.57E-03	7.37E-04
1.60E+02	1.64E-05	2.70E-03	7.94E-04
1.60E+02	-4.01E-06	2.83E-03	8.90E-04
1.60E+02	-6.73E-05	2.90E-03	9.34E-04
1.60E+02	-1.13E-04	2.92E-03	9.66E-04
1.60E+02	-1.61E-04	2.95E-03	1.05E-03
1.60E+02	-2.05E-04	2.95E-03	1.08E-03
1.60E+02	-2.79E-04	2.94E-03	1.07E-03
1.60E+02	-3.79E-04	2.93E-03	1.00E-03
1.60E+02	-4.18E-04	2.92E-03	8.48E-04
1.60E+02	-4.45E-04	2.92E-03	7.19E-04
1.60E+02	-5.11E-04	2.90E-03	5.90E-04
1.60E+02	-5.75E-04	2.88E-03	4.61E-04
1.60E+02	-6.31E-04	2.89E-03	4.08E-04
1.60E+02	-6.71E-04	2.89E-03	2.86E-04
1.60E+02	-7.28E-04	2.89E-03	1.36E-04
1.60E+02	-8.06E-04	2.91E-03	3.78E-05
1.60E+02	-8.24E-04	2.97E-03	-5.19E-05
1.60E+02	-8.36E-04	3.04E-03	-6.89E-05
1.60E+02	-8.88E-04	3.08E-03	-1.25E-04
1.60E+02	-9.08E-04	3.12E-03	-2.04E-04
1.60E+02	-9.19E-04	3.15E-03	-1.97E-04
1.60E+02	-9.20E-04	3.16E-03	-2.07E-04
1.60E+02	-9.28E-04	3.15E-03	-1.85E-04
1.60E+02	-9.86E-04	3.10E-03	-1.17E-04
1.60E+02	-9.97E-04	3.03E-03	-5.38E-05
1.60E+02	-9.88E-04	2.95E-03	4.88E-05
1.60E+02	-1.03E-03	2.85E-03	1.03E-04
1.60E+02	-1.05E-03	2.74E-03	9.06E-05
1.60E+02	-1.07E-03	2.68E-03	9.69E-05
1.60E+02	-1.07E-03	2.63E-03	4.41E-05
1.60E+02	-1.08E-03	2.55E-03	-7.69E-05
1.60E+02	-1.12E-03	2.50E-03	-1.80E-04
1.60E+02	-1.12E-03	2.46E-03	-2.82E-04
1.60E+02	-1.11E-03	2.43E-03	-3.56E-04
1.60E+02	-1.15E-03	2.38E-03	-4.34E-04
1.60E+02	-1.20E-03	2.30E-03	-5.48E-04
1.60E+02	-1.21E-03	2.24E-03	-5.78E-04
1.60E+02	-1.20E-03	2.18E-03	-5.72E-04

1.60E+02	-1.16E-03	2.11E-03	-5.59E-04
1.60E+02	-1.12E-03	2.06E-03	-4.84E-04
1.60E+02	-1.01E-03	2.01E-03	-4.24E-04
1.60E+02	-8.34E-04	1.96E-03	-3.50E-04
1.60E+02	-6.80E-04	1.89E-03	-3.02E-04
1.60E+02	-5.20E-04	1.80E-03	-3.43E-04
1.60E+02	-3.27E-04	1.76E-03	-3.31E-04
1.60E+02	-1.45E-04	1.77E-03	-3.28E-04
1.60E+02	2.04E-05	1.77E-03	-3.94E-04
1.60E+02	1.54E-04	1.84E-03	-3.92E-04
1.60E+02	2.80E-04	1.95E-03	-3.43E-04
1.60E+02	4.08E-04	2.08E-03	-2.87E-04
1.60E+02	4.75E-04	2.20E-03	-2.69E-04
1.60E+02	5.00E-04	2.26E-03	-3.36E-04
1.60E+02	5.11E-04	2.33E-03	-3.65E-04
1.60E+02	4.75E-04	2.39E-03	-3.94E-04
1.60E+02	4.01E-04	2.40E-03	-4.95E-04
1.60E+02	2.65E-04	2.41E-03	-5.32E-04
1.60E+02	1.01E-04	2.41E-03	-5.31E-04
1.60E+02	-2.42E-05	2.40E-03	-5.05E-04
1.60E+02	-1.69E-04	2.40E-03	-4.29E-04
1.60E+02	-3.21E-04	2.37E-03	-4.20E-04
1.60E+02	-4.21E-04	2.35E-03	-3.84E-04
1.60E+02	-4.61E-04	2.36E-03	-3.16E-04
1.60E+02	-4.23E-04	2.34E-03	-3.15E-04
1.60E+02	-3.68E-04	2.31E-03	-2.59E-04
1.60E+02	-2.78E-04	2.28E-03	-1.82E-04
1.60E+02	-1.05E-04	2.28E-03	-1.20E-04
1.60E+02	3.03E-05	2.26E-03	-8.81E-05
1.60E+02	1.30E-04	2.20E-03	-1.78E-04
1.60E+02	2.49E-04	2.14E-03	-2.29E-04
1.60E+02	3.21E-04	2.10E-03	-2.28E-04
1.60E+02	3.55E-04	2.02E-03	-2.88E-04
1.60E+02	3.24E-04	1.95E-03	-2.86E-04
1.60E+02	2.19E-04	1.87E-03	-2.61E-04
1.60E+02	1.39E-04	1.77E-03	-2.74E-04
1.60E+02	3.81E-05	1.66E-03	-2.60E-04
1.60E+02	-1.02E-04	1.53E-03	-2.74E-04
1.60E+02	-2.00E-04	1.42E-03	-2.58E-04
1.60E+02	-2.63E-04	1.34E-03	-1.68E-04
1.60E+02	-2.90E-04	1.26E-03	-1.59E-04
1.60E+02	-2.99E-04	1.23E-03	-1.84E-04
1.60E+02	-3.21E-04	1.26E-03	-2.02E-04
1.60E+02	-2.91E-04	1.31E-03	-2.01E-04
1.60E+02	-2.66E-04	1.40E-03	-1.14E-04
1.60E+02	-2.99E-04	1.46E-03	-1.04E-04
1.60E+02	-3.29E-04	1.49E-03	-1.51E-04

1.60E+02	-3.57E-04	1.54E-03	-1.23E-04
1.60E+02	-3.83E-04	1.57E-03	-1.17E-04
1.60E+02	-4.63E-04	1.57E-03	-1.66E-04
1.60E+02	-5.84E-04	1.57E-03	-2.35E-04
1.60E+02	-6.48E-04	1.59E-03	-2.96E-04
1.60E+02	-7.17E-04	1.59E-03	-3.45E-04
1.60E+02	-8.11E-04	1.54E-03	-4.86E-04
1.60E+02	-8.83E-04	1.46E-03	-6.53E-04
1.60E+02	-9.36E-04	1.40E-03	-7.03E-04
1.60E+02	-9.66E-04	1.34E-03	-7.63E-04
1.60E+02	-1.01E-03	1.25E-03	-8.34E-04
1.60E+02	-1.12E-03	1.20E-03	-8.76E-04
1.60E+02	-1.19E-03	1.18E-03	-9.51E-04
1.60E+02	-1.24E-03	1.21E-03	-9.64E-04
1.60E+02	-1.32E-03	1.24E-03	-9.79E-04
1.60E+02	-1.36E-03	1.23E-03	-1.01E-03
1.60E+02	-1.37E-03	1.26E-03	-9.36E-04
1.60E+02	-1.34E-03	1.28E-03	-9.06E-04
1.60E+02	-1.27E-03	1.27E-03	-8.80E-04
1.60E+02	-1.21E-03	1.27E-03	-7.91E-04
1.60E+02	-1.09E-03	1.25E-03	-7.22E-04
1.60E+02	-9.24E-04	1.23E-03	-6.19E-04
1.60E+02	-7.93E-04	1.18E-03	-5.38E-04
1.60E+02	-6.40E-04	1.12E-03	-5.14E-04
1.60E+02	-5.07E-04	1.05E-03	-4.66E-04
1.60E+02	-3.52E-04	9.80E-04	-4.62E-04
1.60E+02	-1.82E-04	9.12E-04	-4.77E-04
1.60E+02	-9.88E-05	8.08E-04	-4.93E-04
1.60E+02	-4.58E-06	6.87E-04	-5.79E-04
1.60E+02	9.86E-05	5.80E-04	-6.54E-04
1.60E+02	1.38E-04	4.32E-04	-7.74E-04
1.60E+02	1.75E-04	2.29E-04	-9.71E-04
1.60E+02	2.08E-04	3.05E-05	-1.08E-03
1.60E+02	2.42E-04	-1.60E-04	-1.14E-03
1.60E+02	2.95E-04	-3.49E-04	-1.22E-03
1.60E+02	3.07E-04	-5.11E-04	-1.22E-03
1.60E+02	3.48E-04	-6.70E-04	-1.23E-03
1.60E+02	4.62E-04	-8.05E-04	-1.22E-03
1.60E+02	5.34E-04	-9.12E-04	-1.19E-03
1.60E+02	5.78E-04	-1.03E-03	-1.22E-03
1.60E+02	6.18E-04	-1.11E-03	-1.19E-03
1.60E+02	6.36E-04	-1.17E-03	-1.11E-03
1.60E+02	6.49E-04	-1.23E-03	-1.10E-03
1.60E+02	5.75E-04	-1.27E-03	-1.01E-03
1.60E+02	4.72E-04	-1.30E-03	-8.88E-04
1.60E+02	3.92E-04	-1.31E-03	-7.39E-04
1.60E+02	2.39E-04	-1.31E-03	-5.78E-04

1.60E+02	7.95E-05	-1.33E-03	-5.48E-04
1.60E+02	-7.46E-05	-1.33E-03	-5.43E-04
1.60E+02	-2.36E-04	-1.31E-03	-5.25E-04
1.61E+02	-3.56E-04	-1.29E-03	-5.73E-04
1.61E+02	-5.05E-04	-1.28E-03	-5.97E-04
1.61E+02	-6.30E-04	-1.28E-03	-6.55E-04
1.61E+02	-6.59E-04	-1.28E-03	-7.16E-04
1.61E+02	-6.82E-04	-1.29E-03	-7.26E-04
1.61E+02	-6.97E-04	-1.33E-03	-8.09E-04
1.61E+02	-6.66E-04	-1.34E-03	-8.64E-04
1.61E+02	-6.04E-04	-1.31E-03	-8.98E-04
1.61E+02	-5.08E-04	-1.30E-03	-1.03E-03
1.61E+02	-4.42E-04	-1.26E-03	-1.11E-03
1.61E+02	-3.95E-04	-1.18E-03	-1.12E-03
1.61E+02	-2.99E-04	-1.10E-03	-1.08E-03
1.61E+02	-2.33E-04	-9.70E-04	-9.80E-04
1.61E+02	-2.09E-04	-9.00E-04	-9.68E-04
1.61E+02	-1.62E-04	-8.60E-04	-8.96E-04
1.61E+02	-1.16E-04	-8.04E-04	-7.03E-04
1.61E+02	-5.99E-05	-7.88E-04	-5.99E-04
1.61E+02	-4.01E-05	-7.84E-04	-5.46E-04
1.61E+02	-5.57E-05	-7.74E-04	-4.88E-04
1.61E+02	-1.39E-05	-7.53E-04	-4.51E-04
1.61E+02	8.96E-06	-7.17E-04	-3.81E-04
1.61E+02	-2.25E-05	-7.20E-04	-3.59E-04
1.61E+02	-3.78E-05	-7.14E-04	-3.50E-04
1.61E+02	-5.40E-05	-6.82E-04	-2.79E-04
1.61E+02	-5.00E-05	-6.82E-04	-2.77E-04
1.61E+02	-5.17E-05	-6.60E-04	-2.89E-04
1.61E+02	-8.77E-05	-6.11E-04	-2.95E-04
1.61E+02	-7.65E-05	-5.37E-04	-3.29E-04
1.61E+02	-6.68E-05	-4.11E-04	-3.03E-04
1.61E+02	-1.00E-04	-3.29E-04	-3.31E-04
1.61E+02	-1.03E-04	-2.83E-04	-3.88E-04
1.61E+02	-8.37E-05	-2.07E-04	-3.66E-04
1.61E+02	-3.66E-05	-1.70E-04	-4.10E-04
1.61E+02	1.39E-05	-1.69E-04	-4.96E-04
1.61E+02	2.82E-05	-1.71E-04	-5.48E-04
1.61E+02	1.06E-04	-1.75E-04	-6.13E-04
1.61E+02	2.17E-04	-1.49E-04	-6.34E-04
1.61E+02	2.77E-04	-1.54E-04	-6.46E-04
1.61E+02	3.34E-04	-2.05E-04	-6.30E-04
1.61E+02	3.80E-04	-2.48E-04	-4.61E-04
1.61E+02	4.24E-04	-3.34E-04	-2.62E-04
1.61E+02	4.53E-04	-4.56E-04	-7.53E-05
1.61E+02	4.09E-04	-5.75E-04	1.35E-04
1.61E+02	3.73E-04	-6.96E-04	2.78E-04

1.61E+02	3.59E-04	-7.83E-04	4.04E-04
1.61E+02	2.99E-04	-8.75E-04	4.51E-04
1.61E+02	2.64E-04	-1.00E-03	3.96E-04
1.61E+02	2.74E-04	-1.09E-03	3.98E-04
1.61E+02	3.07E-04	-1.17E-03	3.83E-04
1.61E+02	3.78E-04	-1.24E-03	3.78E-04
1.61E+02	4.17E-04	-1.28E-03	4.62E-04
1.61E+02	4.79E-04	-1.30E-03	5.33E-04
1.61E+02	6.01E-04	-1.26E-03	6.15E-04
1.61E+02	6.35E-04	-1.21E-03	6.69E-04
1.61E+02	6.09E-04	-1.14E-03	6.61E-04
1.61E+02	5.66E-04	-1.01E-03	7.17E-04
1.61E+02	4.88E-04	-8.50E-04	7.40E-04
1.61E+02	3.97E-04	-7.00E-04	6.65E-04
1.61E+02	2.34E-04	-5.60E-04	5.95E-04
1.61E+02	8.16E-05	-4.30E-04	5.01E-04
1.61E+02	-2.86E-06	-2.84E-04	4.40E-04
1.61E+02	-1.05E-04	-1.52E-04	4.19E-04
1.61E+02	-1.81E-04	-7.21E-05	3.11E-04
1.61E+02	-2.18E-04	-5.15E-06	2.28E-04
1.61E+02	-2.40E-04	4.35E-05	1.83E-04
1.61E+02	-2.48E-04	5.82E-05	9.10E-05
1.61E+02	-3.28E-04	6.96E-05	1.68E-05
1.61E+02	-4.21E-04	7.08E-05	-5.82E-05
1.61E+02	-4.67E-04	9.19E-05	-8.45E-05
1.61E+02	-5.40E-04	1.25E-04	-5.11E-05
1.61E+02	-6.23E-04	1.21E-04	-6.47E-05
1.61E+02	-6.84E-04	1.30E-04	-2.29E-05
1.61E+02	-7.28E-04	1.33E-04	4.86E-05
1.61E+02	-7.55E-04	7.63E-05	3.45E-05
1.61E+02	-8.12E-04	6.48E-06	5.25E-05
1.61E+02	-8.84E-04	-8.30E-05	9.10E-05
1.61E+02	-9.11E-04	-1.71E-04	1.50E-04
1.61E+02	-9.60E-04	-2.61E-04	2.64E-04
1.61E+02	-1.05E-03	-4.10E-04	3.10E-04
1.61E+02	-1.14E-03	-5.67E-04	3.60E-04
1.61E+02	-1.21E-03	-7.22E-04	4.61E-04
1.61E+02	-1.27E-03	-8.75E-04	4.98E-04
1.61E+02	-1.35E-03	-9.99E-04	5.13E-04
1.61E+02	-1.44E-03	-1.09E-03	5.14E-04
1.61E+02	-1.45E-03	-1.14E-03	4.90E-04
1.61E+02	-1.45E-03	-1.14E-03	4.81E-04
1.61E+02	-1.50E-03	-1.15E-03	4.08E-04
1.61E+02	-1.51E-03	-1.15E-03	3.47E-04
1.61E+02	-1.52E-03	-1.10E-03	4.02E-04
1.61E+02	-1.52E-03	-1.07E-03	4.31E-04
1.61E+02	-1.54E-03	-1.06E-03	4.41E-04

1.61E+02	-1.58E-03	-1.05E-03	4.52E-04
1.61E+02	-1.56E-03	-1.03E-03	4.18E-04
1.61E+02	-1.55E-03	-9.82E-04	4.06E-04
1.61E+02	-1.57E-03	-9.65E-04	3.21E-04
1.61E+02	-1.58E-03	-9.62E-04	1.77E-04
1.61E+02	-1.58E-03	-9.28E-04	9.27E-05
1.61E+02	-1.57E-03	-8.99E-04	-1.09E-05
1.61E+02	-1.57E-03	-8.63E-04	-6.71E-05
1.61E+02	-1.61E-03	-8.21E-04	-6.01E-05
1.61E+02	-1.59E-03	-7.77E-04	-8.62E-05
1.61E+02	-1.56E-03	-7.26E-04	-8.47E-05
1.61E+02	-1.58E-03	-7.22E-04	-1.38E-04
1.61E+02	-1.60E-03	-7.35E-04	-2.38E-04
1.61E+02	-1.61E-03	-7.33E-04	-2.54E-04
1.61E+02	-1.61E-03	-7.48E-04	-2.80E-04
1.61E+02	-1.60E-03	-7.84E-04	-3.15E-04
1.61E+02	-1.63E-03	-8.30E-04	-2.99E-04
1.61E+02	-1.62E-03	-8.40E-04	-2.65E-04
1.61E+02	-1.61E-03	-8.36E-04	-1.84E-04
1.61E+02	-1.65E-03	-8.49E-04	-1.37E-04
1.61E+02	-1.70E-03	-8.82E-04	-1.70E-04
1.61E+02	-1.75E-03	-9.47E-04	-1.47E-04
1.61E+02	-1.81E-03	-9.96E-04	-1.04E-04
1.61E+02	-1.86E-03	-1.04E-03	-1.12E-04
1.61E+02	-1.96E-03	-1.09E-03	-8.09E-05
1.61E+02	-2.01E-03	-1.12E-03	-5.76E-05
1.61E+02	-2.02E-03	-1.15E-03	-6.52E-05
1.61E+02	-2.07E-03	-1.19E-03	-8.96E-05
1.61E+02	-2.11E-03	-1.23E-03	-1.49E-04
1.61E+02	-2.15E-03	-1.26E-03	-1.13E-04
1.61E+02	-2.17E-03	-1.29E-03	-6.60E-05
1.61E+02	-2.15E-03	-1.32E-03	-6.28E-05
1.61E+02	-2.19E-03	-1.34E-03	4.77E-05
1.61E+02	-2.21E-03	-1.35E-03	1.60E-04
1.61E+02	-2.20E-03	-1.34E-03	2.52E-04
1.61E+02	-2.25E-03	-1.35E-03	3.13E-04
1.61E+02	-2.30E-03	-1.41E-03	2.73E-04
1.61E+02	-2.33E-03	-1.48E-03	3.07E-04
1.61E+02	-2.35E-03	-1.56E-03	3.55E-04
1.61E+02	-2.36E-03	-1.66E-03	3.35E-04
1.61E+02	-2.42E-03	-1.73E-03	3.59E-04
1.61E+02	-2.47E-03	-1.80E-03	3.48E-04
1.61E+02	-2.45E-03	-1.84E-03	3.18E-04
1.61E+02	-2.46E-03	-1.84E-03	2.98E-04
1.61E+02	-2.45E-03	-1.85E-03	2.13E-04
1.61E+02	-2.40E-03	-1.83E-03	1.73E-04
1.61E+02	-2.34E-03	-1.78E-03	1.77E-04

1.61E+02	-2.26E-03	-1.75E-03	1.17E-04
1.61E+02	-2.20E-03	-1.73E-03	4.98E-05
1.61E+02	-2.15E-03	-1.68E-03	3.81E-07
1.61E+02	-2.03E-03	-1.62E-03	-3.40E-05
1.61E+02	-1.94E-03	-1.56E-03	-3.19E-05
1.61E+02	-1.86E-03	-1.56E-03	-6.22E-05
1.61E+02	-1.75E-03	-1.57E-03	-2.84E-05
1.61E+02	-1.64E-03	-1.56E-03	9.54E-05
1.61E+02	-1.54E-03	-1.58E-03	1.38E-04
1.61E+02	-1.49E-03	-1.61E-03	1.73E-04
1.61E+02	-1.47E-03	-1.62E-03	2.13E-04
1.61E+02	-1.40E-03	-1.61E-03	2.07E-04
1.61E+02	-1.37E-03	-1.60E-03	2.15E-04
1.61E+02	-1.36E-03	-1.61E-03	1.66E-04
1.61E+02	-1.33E-03	-1.60E-03	1.27E-04
1.61E+02	-1.29E-03	-1.56E-03	1.39E-04
1.61E+02	-1.23E-03	-1.55E-03	7.90E-05
1.61E+02	-1.20E-03	-1.53E-03	3.97E-05
1.61E+02	-1.20E-03	-1.48E-03	2.71E-05
1.61E+02	-1.16E-03	-1.42E-03	-1.93E-05
1.61E+02	-1.13E-03	-1.34E-03	-1.68E-05
1.61E+02	-1.12E-03	-1.28E-03	-5.21E-05
1.61E+02	-1.06E-03	-1.22E-03	-9.37E-05
1.61E+02	-9.73E-04	-1.14E-03	-2.84E-05
1.61E+02	-8.69E-04	-1.06E-03	2.10E-06
1.61E+02	-7.75E-04	-1.01E-03	-1.01E-05
1.61E+02	-7.15E-04	-9.76E-04	-2.52E-05
1.61E+02	-6.16E-04	-9.38E-04	-9.94E-05
1.61E+02	-5.22E-04	-9.04E-04	-1.74E-04
1.61E+02	-4.60E-04	-8.96E-04	-2.51E-04
1.61E+02	-4.12E-04	-9.16E-04	-3.17E-04
1.61E+02	-3.89E-04	-9.40E-04	-2.87E-04
1.61E+02	-3.39E-04	-9.86E-04	-2.40E-04
1.61E+02	-3.13E-04	-1.06E-03	-1.87E-04
1.61E+02	-3.42E-04	-1.13E-03	-5.95E-05
1.61E+02	-3.28E-04	-1.17E-03	7.40E-05
1.61E+02	-2.97E-04	-1.20E-03	2.08E-04
1.61E+02	-2.97E-04	-1.24E-03	2.78E-04
1.61E+02	-2.69E-04	-1.29E-03	2.53E-04
1.61E+02	-2.06E-04	-1.29E-03	2.85E-04
1.61E+02	-1.19E-04	-1.25E-03	3.20E-04
1.61E+02	-2.88E-05	-1.19E-03	3.46E-04
1.61E+02	3.26E-05	-1.13E-03	4.49E-04
1.61E+02	1.32E-04	-1.06E-03	5.23E-04
1.61E+02	2.65E-04	-9.99E-04	5.83E-04
1.61E+02	3.56E-04	-9.65E-04	6.05E-04
1.61E+02	4.52E-04	-9.51E-04	5.58E-04

1.61E+02	5.66E-04	-9.15E-04	5.85E-04
1.61E+02	6.73E-04	-8.77E-04	5.81E-04
1.61E+02	7.61E-04	-8.67E-04	5.21E-04
1.61E+02	7.83E-04	-8.55E-04	5.27E-04
1.61E+02	7.94E-04	-8.39E-04	5.23E-04
1.61E+02	8.16E-04	-8.17E-04	5.11E-04
1.61E+02	7.69E-04	-8.16E-04	4.49E-04
1.61E+02	6.97E-04	-8.48E-04	2.84E-04
1.61E+02	6.22E-04	-8.60E-04	1.56E-04
1.61E+02	5.46E-04	-8.73E-04	4.58E-05
1.61E+02	4.81E-04	-8.99E-04	-6.43E-05
1.61E+02	3.68E-04	-9.20E-04	-8.14E-05
1.61E+02	2.81E-04	-9.54E-04	-4.54E-05
1.61E+02	2.55E-04	-9.88E-04	5.44E-05
1.61E+02	2.08E-04	-1.02E-03	1.78E-04
1.62E+02	1.63E-04	-1.06E-03	2.15E-04
1.62E+02	1.44E-04	-1.06E-03	2.48E-04
1.62E+02	1.49E-04	-1.02E-03	2.72E-04
1.62E+02	1.75E-04	-1.01E-03	2.24E-04
1.62E+02	1.52E-04	-9.92E-04	2.11E-04
1.62E+02	1.23E-04	-9.73E-04	2.16E-04
1.62E+02	1.52E-04	-9.61E-04	2.17E-04
1.62E+02	1.63E-04	-9.84E-04	2.23E-04
1.62E+02	1.85E-04	-1.09E-03	1.77E-04
1.62E+02	2.74E-04	-1.20E-03	2.07E-04
1.62E+02	3.91E-04	-1.29E-03	2.97E-04
1.62E+02	5.43E-04	-1.39E-03	3.30E-04
1.62E+02	6.83E-04	-1.48E-03	3.79E-04
1.62E+02	8.06E-04	-1.56E-03	3.92E-04
1.62E+02	9.66E-04	-1.66E-03	3.84E-04
1.62E+02	1.09E-03	-1.75E-03	4.05E-04
1.62E+02	1.15E-03	-1.89E-03	3.42E-04
1.62E+02	1.18E-03	-2.03E-03	2.72E-04
1.62E+02	1.18E-03	-2.13E-03	2.28E-04
1.62E+02	1.18E-03	-2.26E-03	1.01E-04
1.62E+02	1.12E-03	-2.38E-03	-4.77E-06
1.62E+02	1.03E-03	-2.46E-03	-6.54E-05
1.62E+02	9.83E-04	-2.50E-03	-1.06E-04
1.62E+02	9.21E-04	-2.50E-03	-9.94E-05
1.62E+02	8.54E-04	-2.52E-03	-1.54E-04
1.62E+02	8.51E-04	-2.52E-03	-2.14E-04
1.62E+02	8.84E-04	-2.49E-03	-2.28E-04
1.62E+02	9.79E-04	-2.47E-03	-2.80E-04
1.62E+02	1.07E-03	-2.45E-03	-3.15E-04
1.62E+02	1.16E-03	-2.44E-03	-2.94E-04
1.62E+02	1.36E-03	-2.40E-03	-2.37E-04
1.62E+02	1.56E-03	-2.34E-03	-1.57E-04

1.62E+02	1.74E-03	-2.33E-03	-1.40E-04
1.62E+02	1.92E-03	-2.33E-03	-1.61E-04
1.62E+02	2.09E-03	-2.32E-03	-1.33E-04
1.62E+02	2.26E-03	-2.33E-03	-1.34E-04
1.62E+02	2.38E-03	-2.36E-03	-1.27E-04
1.62E+02	2.41E-03	-2.41E-03	-4.67E-05
1.62E+02	2.43E-03	-2.46E-03	6.94E-05
1.62E+02	2.41E-03	-2.50E-03	2.20E-04
1.62E+02	2.31E-03	-2.58E-03	2.50E-04
1.62E+02	2.19E-03	-2.67E-03	1.64E-04
1.62E+02	2.07E-03	-2.70E-03	1.14E-04
1.62E+02	1.97E-03	-2.70E-03	3.36E-05
1.62E+02	1.87E-03	-2.66E-03	-4.58E-05
1.62E+02	1.75E-03	-2.56E-03	-7.04E-05
1.62E+02	1.71E-03	-2.42E-03	-8.58E-05
1.62E+02	1.71E-03	-2.27E-03	-5.00E-05
1.62E+02	1.66E-03	-2.15E-03	-3.17E-05
1.62E+02	1.62E-03	-2.06E-03	-3.64E-05
1.62E+02	1.61E-03	-1.95E-03	5.49E-05
1.62E+02	1.62E-03	-1.85E-03	1.05E-04
1.62E+02	1.61E-03	-1.78E-03	5.59E-05
1.62E+02	1.56E-03	-1.68E-03	3.24E-06
1.62E+02	1.56E-03	-1.57E-03	-5.84E-05
1.62E+02	1.59E-03	-1.42E-03	-4.65E-05
1.62E+02	1.59E-03	-1.29E-03	8.39E-06
1.62E+02	1.60E-03	-1.21E-03	3.70E-05
1.62E+02	1.62E-03	-1.12E-03	1.11E-04
1.62E+02	1.66E-03	-1.03E-03	1.46E-04
1.62E+02	1.68E-03	-9.84E-04	1.17E-04
1.62E+02	1.63E-03	-9.43E-04	1.24E-04
1.62E+02	1.58E-03	-9.32E-04	1.17E-04
1.62E+02	1.54E-03	-9.41E-04	1.15E-04
1.62E+02	1.43E-03	-9.69E-04	1.36E-04
1.62E+02	1.29E-03	-1.05E-03	1.39E-04
1.62E+02	1.16E-03	-1.11E-03	2.13E-04
1.62E+02	1.03E-03	-1.15E-03	3.09E-04
1.62E+02	9.06E-04	-1.23E-03	3.36E-04
1.62E+02	7.52E-04	-1.30E-03	3.74E-04
1.62E+02	6.27E-04	-1.36E-03	3.98E-04
1.62E+02	5.79E-04	-1.38E-03	3.97E-04
1.62E+02	5.43E-04	-1.37E-03	3.69E-04
1.62E+02	5.32E-04	-1.40E-03	2.63E-04
1.62E+02	5.94E-04	-1.41E-03	2.10E-04
1.62E+02	7.02E-04	-1.40E-03	2.22E-04
1.62E+02	8.27E-04	-1.41E-03	2.00E-04
1.62E+02	9.03E-04	-1.42E-03	1.80E-04
1.62E+02	9.61E-04	-1.43E-03	1.43E-04

1.62E+02	1.03E-03	-1.45E-03	1.06E-04
1.62E+02	1.03E-03	-1.45E-03	8.56E-05
1.62E+02	9.71E-04	-1.48E-03	1.24E-05
1.62E+02	8.67E-04	-1.48E-03	-2.86E-05
1.62E+02	7.41E-04	-1.43E-03	1.72E-05
1.62E+02	6.41E-04	-1.39E-03	5.76E-05
1.62E+02	5.05E-04	-1.35E-03	1.11E-04
1.62E+02	4.05E-04	-1.29E-03	1.66E-04
1.62E+02	4.19E-04	-1.21E-03	2.10E-04
1.62E+02	4.52E-04	-1.12E-03	2.63E-04
1.62E+02	5.01E-04	-1.07E-03	2.25E-04
1.62E+02	5.92E-04	-1.03E-03	1.87E-04
1.62E+02	6.95E-04	-9.74E-04	2.17E-04
1.62E+02	7.99E-04	-9.30E-04	1.98E-04
1.62E+02	8.32E-04	-8.98E-04	1.80E-04
1.62E+02	8.25E-04	-8.40E-04	1.91E-04
1.62E+02	8.54E-04	-7.55E-04	1.92E-04
1.62E+02	8.50E-04	-6.61E-04	2.19E-04
1.62E+02	8.06E-04	-5.78E-04	2.17E-04
1.62E+02	7.70E-04	-4.97E-04	2.24E-04
1.62E+02	7.59E-04	-3.77E-04	3.03E-04
1.62E+02	7.51E-04	-2.78E-04	3.04E-04
1.62E+02	7.00E-04	-2.12E-04	2.68E-04
1.62E+02	6.45E-04	-1.20E-04	2.84E-04
1.62E+02	6.30E-04	-2.48E-05	2.77E-04
1.62E+02	6.09E-04	7.51E-05	2.85E-04
1.62E+02	5.53E-04	1.45E-04	2.51E-04
1.62E+02	5.04E-04	1.78E-04	1.75E-04
1.62E+02	4.64E-04	2.17E-04	1.61E-04
1.62E+02	4.29E-04	2.31E-04	1.47E-04
1.62E+02	3.73E-04	2.26E-04	1.59E-04
1.62E+02	2.88E-04	2.23E-04	1.93E-04
1.62E+02	2.57E-04	2.24E-04	1.93E-04
1.62E+02	2.57E-04	2.33E-04	2.14E-04
1.62E+02	2.27E-04	2.14E-04	1.90E-04
1.62E+02	2.10E-04	1.74E-04	1.17E-04
1.62E+02	2.25E-04	1.48E-04	1.04E-04
1.62E+02	2.52E-04	1.43E-04	6.75E-05
1.62E+02	2.62E-04	1.53E-04	7.06E-06
1.62E+02	2.35E-04	1.92E-04	-7.06E-06
1.62E+02	2.34E-04	2.81E-04	-4.52E-05
1.62E+02	2.57E-04	3.92E-04	-8.75E-05
1.62E+02	2.41E-04	4.74E-04	-1.29E-04
1.62E+02	2.19E-04	5.01E-04	-1.93E-04
1.62E+02	2.06E-04	4.98E-04	-1.97E-04
1.62E+02	1.99E-04	4.86E-04	-1.71E-04
1.62E+02	1.70E-04	4.38E-04	-1.44E-04

1.62E+02	9.00E-05	3.86E-04	-6.96E-05
1.62E+02	2.77E-05	3.45E-04	-1.77E-05
1.62E+02	-1.43E-05	3.14E-04	3.60E-05
1.62E+02	-7.08E-05	3.17E-04	9.67E-05
1.62E+02	-1.18E-04	3.07E-04	8.07E-05
1.62E+02	-1.34E-04	3.01E-04	1.29E-04
1.62E+02	-9.99E-05	2.94E-04	2.23E-04
1.62E+02	-4.41E-05	2.33E-04	2.64E-04
1.62E+02	-9.54E-06	1.62E-04	3.38E-04
1.62E+02	5.68E-05	1.08E-04	3.81E-04
1.62E+02	1.71E-04	8.41E-05	3.88E-04
1.62E+02	2.49E-04	7.42E-05	3.61E-04
1.62E+02	3.25E-04	5.11E-05	2.36E-04
1.62E+02	4.38E-04	6.54E-05	1.72E-04
1.62E+02	5.41E-04	9.90E-05	1.67E-04
1.62E+02	6.15E-04	1.15E-04	1.25E-04
1.62E+02	6.18E-04	1.34E-04	8.74E-05
1.62E+02	5.91E-04	1.59E-04	3.05E-06
1.62E+02	5.92E-04	1.99E-04	-8.41E-05
1.62E+02	5.25E-04	2.20E-04	-1.65E-04
1.62E+02	4.09E-04	2.16E-04	-3.31E-04
1.62E+02	3.01E-04	2.41E-04	-4.60E-04
1.62E+02	1.88E-04	2.83E-04	-5.24E-04
1.62E+02	9.06E-05	3.22E-04	-6.07E-04
1.62E+02	-3.01E-05	3.60E-04	-6.39E-04
1.62E+02	-1.21E-04	4.02E-04	-5.99E-04
1.62E+02	-1.33E-04	4.57E-04	-5.16E-04
1.62E+02	-1.49E-04	4.85E-04	-4.36E-04
1.62E+02	-1.54E-04	4.54E-04	-4.42E-04
1.62E+02	-1.15E-04	4.05E-04	-4.43E-04
1.62E+02	-3.81E-05	3.56E-04	-3.77E-04
1.62E+02	5.87E-05	2.82E-04	-3.25E-04
1.62E+02	1.07E-04	1.93E-04	-2.82E-04
1.62E+02	1.23E-04	1.01E-04	-2.85E-04
1.62E+02	1.60E-04	3.59E-05	-3.48E-04
1.62E+02	1.54E-04	-3.05E-06	-3.99E-04
1.62E+02	8.68E-05	-4.56E-05	-4.92E-04
1.62E+02	1.54E-05	-3.89E-05	-5.57E-04
1.62E+02	-5.30E-05	1.68E-05	-5.37E-04
1.62E+02	-1.18E-04	6.83E-05	-5.50E-04
1.62E+02	-1.95E-04	1.19E-04	-5.11E-04
1.62E+02	-2.78E-04	1.64E-04	-3.85E-04
1.62E+02	-2.78E-04	2.33E-04	-2.24E-04
1.62E+02	-2.45E-04	3.08E-04	-4.56E-05
1.62E+02	-2.28E-04	3.02E-04	-2.10E-05
1.62E+02	-1.39E-04	2.64E-04	-9.04E-05
1.62E+02	7.06E-06	2.46E-04	-1.28E-04

1.62E+02	1.82E-04	2.03E-04	-2.02E-04
1.62E+02	3.54E-04	1.49E-04	-2.41E-04
1.62E+02	4.91E-04	8.93E-05	-2.44E-04
1.62E+02	6.67E-04	2.67E-05	-2.36E-04
1.62E+02	8.40E-04	-1.81E-05	-1.60E-04
1.62E+02	9.39E-04	-8.98E-05	-1.25E-04
1.62E+02	1.02E-03	-1.76E-04	-1.15E-04
1.62E+02	1.09E-03	-2.21E-04	-5.99E-05
1.62E+02	1.13E-03	-2.55E-04	-6.66E-05
1.62E+02	1.14E-03	-2.69E-04	-8.43E-05
1.62E+02	1.09E-03	-2.22E-04	-5.74E-05
1.62E+02	1.08E-03	-1.23E-04	-5.30E-05
1.62E+02	1.03E-03	-3.81E-07	-7.08E-05
1.62E+02	9.40E-04	9.77E-05	-1.64E-04
1.62E+02	8.89E-04	1.73E-04	-2.86E-04
1.62E+02	8.54E-04	2.58E-04	-3.08E-04
1.62E+02	8.45E-04	3.35E-04	-3.44E-04
1.62E+02	8.14E-04	3.96E-04	-4.14E-04
1.62E+02	7.31E-04	4.54E-04	-4.59E-04
1.62E+02	7.04E-04	5.19E-04	-5.56E-04
1.62E+02	7.06E-04	6.03E-04	-6.30E-04
1.62E+02	6.85E-04	6.73E-04	-6.97E-04
1.62E+02	6.76E-04	7.29E-04	-7.79E-04
1.62E+02	7.00E-04	8.06E-04	-7.38E-04
1.62E+02	7.52E-04	8.56E-04	-6.96E-04
1.62E+02	7.87E-04	8.66E-04	-6.87E-04
1.62E+02	7.55E-04	8.51E-04	-6.30E-04
1.63E+02	7.00E-04	8.08E-04	-6.07E-04
1.63E+02	6.28E-04	7.69E-04	-5.54E-04
1.63E+02	4.97E-04	7.10E-04	-5.03E-04
1.63E+02	3.60E-04	6.20E-04	-5.00E-04
1.63E+02	2.62E-04	5.55E-04	-4.03E-04
1.63E+02	2.05E-04	4.97E-04	-2.86E-04
1.63E+02	1.67E-04	4.30E-04	-2.16E-04
1.63E+02	1.14E-04	3.67E-04	-1.25E-04
1.63E+02	1.17E-04	3.15E-04	-6.54E-05
1.63E+02	1.87E-04	3.09E-04	1.70E-05
1.63E+02	2.41E-04	3.24E-04	1.05E-04
1.63E+02	2.99E-04	3.18E-04	9.96E-05
1.63E+02	3.85E-04	3.18E-04	1.20E-04
1.63E+02	4.85E-04	3.12E-04	1.22E-04
1.63E+02	5.86E-04	2.73E-04	3.34E-05
1.63E+02	6.30E-04	2.27E-04	-2.57E-05
1.63E+02	6.65E-04	2.00E-04	-7.10E-05
1.63E+02	7.35E-04	2.23E-04	-9.71E-05
1.63E+02	7.48E-04	2.66E-04	-1.45E-04
1.63E+02	7.20E-04	2.72E-04	-2.93E-04

1.63E+02	6.83E-04	2.85E-04	-4.18E-04
1.63E+02	6.25E-04	3.15E-04	-5.31E-04
1.63E+02	5.56E-04	3.40E-04	-6.78E-04
1.63E+02	4.35E-04	3.89E-04	-7.66E-04
1.63E+02	3.25E-04	4.48E-04	-7.94E-04
1.63E+02	2.97E-04	5.21E-04	-7.31E-04
1.63E+02	2.62E-04	6.09E-04	-5.88E-04
1.63E+02	2.13E-04	6.52E-04	-5.01E-04
1.63E+02	2.05E-04	7.05E-04	-3.98E-04
1.63E+02	2.41E-04	7.88E-04	-2.58E-04
1.63E+02	3.34E-04	8.50E-04	-1.91E-04
1.63E+02	4.26E-04	9.12E-04	-1.11E-04
1.63E+02	5.34E-04	9.80E-04	3.24E-06
1.63E+02	7.09E-04	1.06E-03	1.22E-04
1.63E+02	8.20E-04	1.12E-03	2.18E-04
1.63E+02	8.78E-04	1.13E-03	2.03E-04
1.63E+02	9.47E-04	1.12E-03	1.86E-04
1.63E+02	9.62E-04	1.11E-03	1.73E-04
1.63E+02	9.49E-04	1.07E-03	8.77E-05
1.63E+02	8.74E-04	1.03E-03	4.06E-05
1.63E+02	7.48E-04	9.89E-04	-1.22E-05
1.63E+02	6.52E-04	9.64E-04	-5.84E-05
1.63E+02	5.19E-04	9.69E-04	3.05E-06
1.63E+02	3.60E-04	9.50E-04	1.30E-05
1.63E+02	2.32E-04	9.20E-04	-2.48E-06
1.63E+02	1.40E-04	9.29E-04	3.19E-05
1.63E+02	1.14E-04	9.18E-04	2.65E-05
1.63E+02	1.06E-04	8.92E-04	8.03E-05
1.63E+02	1.11E-04	8.78E-04	1.81E-04
1.63E+02	1.94E-04	8.88E-04	2.78E-04
1.63E+02	2.94E-04	9.35E-04	4.02E-04
1.63E+02	3.78E-04	9.68E-04	4.27E-04
1.63E+02	4.93E-04	9.93E-04	4.13E-04
1.63E+02	6.19E-04	1.03E-03	4.65E-04
1.63E+02	7.33E-04	1.07E-03	4.64E-04
1.63E+02	7.97E-04	1.09E-03	4.33E-04
1.63E+02	7.86E-04	1.10E-03	4.19E-04
1.63E+02	7.90E-04	1.13E-03	3.79E-04
1.63E+02	7.86E-04	1.18E-03	3.72E-04
1.63E+02	6.92E-04	1.20E-03	3.38E-04
1.63E+02	5.79E-04	1.20E-03	3.01E-04
1.63E+02	4.68E-04	1.21E-03	3.48E-04
1.63E+02	3.47E-04	1.17E-03	3.31E-04
1.63E+02	2.12E-04	1.10E-03	2.93E-04
1.63E+02	4.56E-05	1.02E-03	3.18E-04
1.63E+02	-7.46E-05	9.41E-04	3.49E-04
1.63E+02	-1.66E-04	8.89E-04	4.19E-04

1.63E+02	-2.81E-04	8.22E-04	4.33E-04
1.63E+02	-3.65E-04	7.56E-04	3.69E-04
1.63E+02	-4.14E-04	7.28E-04	3.83E-04
1.63E+02	-4.19E-04	7.14E-04	4.16E-04
1.63E+02	-4.18E-04	7.08E-04	4.07E-04
1.63E+02	-4.56E-04	7.27E-04	4.06E-04
1.63E+02	-4.51E-04	7.73E-04	4.02E-04
1.63E+02	-4.15E-04	8.35E-04	4.67E-04
1.63E+02	-4.28E-04	8.79E-04	5.57E-04
1.63E+02	-4.51E-04	8.89E-04	5.54E-04
1.63E+02	-4.66E-04	9.06E-04	5.68E-04
1.63E+02	-4.58E-04	9.24E-04	5.86E-04
1.63E+02	-4.32E-04	9.22E-04	5.61E-04
1.63E+02	-4.33E-04	9.20E-04	5.56E-04
1.63E+02	-3.89E-04	9.30E-04	5.11E-04
1.63E+02	-2.85E-04	9.73E-04	4.65E-04
1.63E+02	-2.23E-04	9.99E-04	4.10E-04
1.63E+02	-1.62E-04	9.72E-04	2.98E-04
1.63E+02	-8.28E-05	9.60E-04	2.52E-04
1.63E+02	-2.37E-05	9.48E-04	1.96E-04
1.63E+02	2.10E-06	9.05E-04	5.46E-05
1.63E+02	-4.94E-05	8.64E-04	-7.31E-05
1.63E+02	-8.01E-05	8.39E-04	-1.80E-04
1.63E+02	-4.69E-05	8.55E-04	-2.01E-04
1.63E+02	-3.72E-05	8.82E-04	-1.53E-04
1.63E+02	-2.37E-05	8.79E-04	-1.38E-04
1.63E+02	6.10E-06	8.79E-04	-8.98E-05
1.63E+02	3.47E-05	8.66E-04	-5.51E-05
1.63E+02	6.64E-05	8.36E-04	-8.89E-05
1.63E+02	4.06E-05	8.17E-04	-1.02E-04
1.63E+02	-1.68E-05	8.08E-04	-1.22E-04
1.63E+02	-5.76E-05	8.41E-04	-1.10E-04
1.63E+02	-1.78E-04	8.75E-04	-6.24E-05
1.63E+02	-3.32E-04	8.62E-04	-5.21E-05
1.63E+02	-4.51E-04	8.57E-04	2.50E-05
1.63E+02	-5.79E-04	8.38E-04	1.31E-04
1.63E+02	-6.73E-04	7.88E-04	1.64E-04
1.63E+02	-7.66E-04	7.58E-04	1.96E-04
1.63E+02	-8.31E-04	7.45E-04	2.11E-04
1.63E+02	-7.84E-04	7.70E-04	2.02E-04
1.63E+02	-7.26E-04	8.29E-04	2.08E-04
1.63E+02	-6.85E-04	8.68E-04	1.77E-04
1.63E+02	-6.14E-04	9.36E-04	1.87E-04
1.63E+02	-5.39E-04	1.04E-03	2.56E-04
1.63E+02	-4.53E-04	1.12E-03	2.39E-04
1.63E+02	-4.03E-04	1.19E-03	2.17E-04
1.63E+02	-3.89E-04	1.26E-03	2.44E-04

1.63E+02	-3.33E-04	1.33E-03	2.93E-04
1.63E+02	-2.89E-04	1.40E-03	3.88E-04
1.63E+02	-2.65E-04	1.46E-03	4.38E-04
1.63E+02	-2.31E-04	1.50E-03	4.68E-04
1.63E+02	-2.06E-04	1.56E-03	5.32E-04
1.63E+02	-1.51E-04	1.63E-03	5.71E-04
1.63E+02	-1.21E-04	1.71E-03	6.01E-04
1.63E+02	-1.23E-04	1.80E-03	5.81E-04
1.63E+02	-7.90E-05	1.88E-03	5.10E-04
1.63E+02	-4.83E-05	1.96E-03	4.88E-04
1.63E+02	-6.07E-05	2.00E-03	4.41E-04
1.63E+02	-5.86E-05	2.02E-03	4.04E-04
1.63E+02	-3.72E-05	2.07E-03	4.55E-04
1.63E+02	1.14E-06	2.12E-03	4.52E-04
1.63E+02	2.17E-05	2.14E-03	4.31E-04
1.63E+02	9.73E-06	2.19E-03	4.48E-04
1.63E+02	4.81E-05	2.25E-03	4.49E-04
1.63E+02	9.90E-05	2.35E-03	4.80E-04
1.63E+02	8.74E-05	2.43E-03	4.66E-04
1.63E+02	8.54E-05	2.50E-03	4.34E-04
1.63E+02	1.08E-04	2.61E-03	5.10E-04
1.63E+02	1.36E-04	2.72E-03	5.87E-04
1.63E+02	1.55E-04	2.81E-03	6.60E-04
1.63E+02	1.29E-04	2.88E-03	7.38E-04
1.63E+02	1.39E-04	2.91E-03	7.51E-04
1.63E+02	1.55E-04	2.92E-03	7.39E-04
1.63E+02	1.13E-04	2.89E-03	6.43E-04
1.63E+02	9.25E-05	2.85E-03	4.90E-04
1.63E+02	7.36E-05	2.84E-03	4.23E-04
1.63E+02	6.56E-05	2.82E-03	3.81E-04
1.63E+02	7.11E-05	2.81E-03	3.53E-04
1.63E+02	2.98E-05	2.82E-03	3.88E-04
1.63E+02	3.26E-05	2.85E-03	4.25E-04
1.63E+02	5.51E-05	2.91E-03	4.72E-04
1.63E+02	2.10E-05	2.96E-03	4.73E-04
1.63E+02	3.24E-06	2.99E-03	3.93E-04
1.63E+02	1.26E-05	3.07E-03	3.79E-04
1.63E+02	5.02E-05	3.17E-03	4.11E-04
1.63E+02	9.38E-05	3.24E-03	4.51E-04
1.63E+02	9.77E-05	3.30E-03	5.51E-04
1.63E+02	1.33E-04	3.34E-03	6.49E-04
1.63E+02	2.05E-04	3.37E-03	7.60E-04
1.63E+02	2.43E-04	3.40E-03	8.58E-04
1.63E+02	2.52E-04	3.37E-03	8.80E-04
1.63E+02	2.64E-04	3.38E-03	9.38E-04
1.63E+02	2.94E-04	3.41E-03	9.68E-04
1.63E+02	3.07E-04	3.38E-03	8.80E-04

1.63E+02	2.61E-04	3.33E-03	7.73E-04
1.63E+02	2.30E-04	3.27E-03	6.39E-04
1.63E+02	2.45E-04	3.19E-03	5.44E-04
1.63E+02	2.36E-04	3.12E-03	4.93E-04
1.63E+02	2.39E-04	2.99E-03	3.83E-04
1.63E+02	2.75E-04	2.90E-03	3.50E-04
1.63E+02	3.16E-04	2.86E-03	3.76E-04
1.63E+02	3.73E-04	2.84E-03	3.67E-04
1.63E+02	3.80E-04	2.86E-03	4.05E-04
1.63E+02	3.57E-04	2.90E-03	4.03E-04
1.63E+02	3.63E-04	2.93E-03	3.75E-04
1.63E+02	3.16E-04	2.94E-03	4.03E-04
1.63E+02	2.17E-04	2.89E-03	4.18E-04
1.63E+02	1.12E-04	2.85E-03	5.26E-04
1.63E+02	-4.96E-06	2.82E-03	6.65E-04
1.63E+02	-1.10E-04	2.75E-03	6.69E-04
1.63E+02	-2.48E-04	2.71E-03	6.81E-04
1.63E+02	-3.86E-04	2.69E-03	7.03E-04
1.63E+02	-4.37E-04	2.69E-03	7.15E-04
1.63E+02	-4.85E-04	2.71E-03	7.65E-04
1.63E+02	-5.49E-04	2.68E-03	7.20E-04
1.63E+02	-5.77E-04	2.63E-03	6.58E-04
1.63E+02	-5.74E-04	2.61E-03	6.47E-04
1.63E+02	-5.27E-04	2.57E-03	5.71E-04
1.63E+02	-4.94E-04	2.54E-03	4.79E-04
1.63E+02	-4.75E-04	2.52E-03	3.61E-04
1.63E+02	-3.89E-04	2.51E-03	2.11E-04
1.63E+02	-3.06E-04	2.51E-03	1.02E-04
1.63E+02	-2.55E-04	2.47E-03	-7.61E-05
1.63E+02	-1.75E-04	2.42E-03	-2.36E-04
1.63E+02	-8.45E-05	2.36E-03	-2.51E-04
1.63E+02	1.95E-05	2.26E-03	-2.65E-04
1.63E+02	9.96E-05	2.16E-03	-2.57E-04
1.63E+02	1.50E-04	2.05E-03	-2.15E-04
1.63E+02	2.37E-04	2.00E-03	-2.18E-04
1.63E+02	2.90E-04	1.99E-03	-2.45E-04
1.63E+02	2.88E-04	1.96E-03	-3.43E-04
1.63E+02	2.92E-04	1.95E-03	-4.10E-04
1.63E+02	2.79E-04	1.98E-03	-3.62E-04
1.64E+02	2.49E-04	1.99E-03	-3.38E-04
1.64E+02	1.72E-04	1.98E-03	-3.29E-04
1.64E+02	2.19E-05	1.95E-03	-3.11E-04
1.64E+02	-8.93E-05	1.90E-03	-3.20E-04
1.64E+02	-1.63E-04	1.86E-03	-2.69E-04
1.64E+02	-2.66E-04	1.82E-03	-2.25E-04
1.64E+02	-3.40E-04	1.76E-03	-2.27E-04
1.64E+02	-3.83E-04	1.73E-03	-2.01E-04

1.64E+02	-4.00E-04	1.70E-03	-2.37E-04
1.64E+02	-3.79E-04	1.64E-03	-3.04E-04
1.64E+02	-3.70E-04	1.58E-03	-3.36E-04
1.64E+02	-3.00E-04	1.54E-03	-4.03E-04
1.64E+02	-1.82E-04	1.53E-03	-4.72E-04
1.64E+02	-1.07E-04	1.53E-03	-5.95E-04
1.64E+02	-2.06E-05	1.52E-03	-7.39E-04
1.64E+02	7.04E-05	1.55E-03	-7.49E-04
1.64E+02	1.38E-04	1.59E-03	-7.44E-04
1.64E+02	1.60E-04	1.63E-03	-7.43E-04
1.64E+02	1.02E-04	1.70E-03	-7.19E-04
1.64E+02	3.32E-05	1.75E-03	-7.66E-04
1.64E+02	-1.62E-05	1.82E-03	-7.46E-04
1.64E+02	-1.02E-04	1.87E-03	-6.67E-04
1.64E+02	-2.06E-04	1.87E-03	-6.35E-04
1.64E+02	-3.06E-04	1.88E-03	-5.38E-04
1.64E+02	-3.80E-04	1.91E-03	-4.77E-04
1.64E+02	-4.18E-04	1.93E-03	-4.97E-04
1.64E+02	-4.83E-04	1.95E-03	-4.79E-04
1.64E+02	-5.05E-04	1.96E-03	-4.64E-04
1.64E+02	-4.52E-04	1.97E-03	-4.09E-04
1.64E+02	-4.39E-04	1.95E-03	-3.65E-04
1.64E+02	-4.28E-04	1.88E-03	-4.13E-04
1.64E+02	-3.95E-04	1.80E-03	-3.85E-04
1.64E+02	-3.75E-04	1.71E-03	-3.29E-04
1.64E+02	-3.77E-04	1.61E-03	-3.46E-04
1.64E+02	-4.52E-04	1.51E-03	-3.78E-04
1.64E+02	-5.43E-04	1.45E-03	-4.51E-04
1.64E+02	-5.98E-04	1.41E-03	-5.34E-04
1.64E+02	-6.80E-04	1.39E-03	-6.47E-04
1.64E+02	-7.57E-04	1.33E-03	-8.26E-04
1.64E+02	-7.83E-04	1.26E-03	-8.89E-04
1.64E+02	-7.55E-04	1.19E-03	-8.37E-04
1.64E+02	-6.72E-04	1.04E-03	-7.96E-04
1.64E+02	-6.05E-04	8.56E-04	-6.93E-04
1.64E+02	-5.36E-04	6.64E-04	-5.72E-04
1.64E+02	-4.16E-04	4.72E-04	-4.73E-04
1.64E+02	-3.47E-04	2.97E-04	-3.75E-04
1.64E+02	-3.33E-04	9.57E-05	-3.65E-04
1.64E+02	-3.14E-04	-7.51E-05	-3.39E-04
1.64E+02	-3.24E-04	-2.02E-04	-2.70E-04
1.64E+02	-3.60E-04	-3.35E-04	-2.74E-04
1.64E+02	-4.49E-04	-4.57E-04	-2.96E-04
1.64E+02	-5.60E-04	-5.73E-04	-3.64E-04
1.64E+02	-5.97E-04	-6.61E-04	-4.63E-04
1.64E+02	-6.25E-04	-7.33E-04	-5.46E-04
1.64E+02	-6.61E-04	-8.43E-04	-6.78E-04

1.64E+02	-6.44E-04	-9.26E-04	-7.46E-04
1.64E+02	-5.91E-04	-9.71E-04	-7.35E-04
1.64E+02	-4.92E-04	-1.04E-03	-7.69E-04
1.64E+02	-3.97E-04	-1.10E-03	-7.64E-04
1.64E+02	-3.20E-04	-1.16E-03	-7.00E-04
1.64E+02	-1.90E-04	-1.19E-03	-6.04E-04
1.64E+02	-9.71E-05	-1.21E-03	-4.99E-04
1.64E+02	-5.53E-05	-1.27E-03	-4.79E-04
1.64E+02	-2.19E-05	-1.32E-03	-4.56E-04
1.64E+02	-3.32E-05	-1.35E-03	-4.02E-04
1.64E+02	-6.07E-05	-1.39E-03	-4.25E-04
1.64E+02	-1.50E-04	-1.42E-03	-4.24E-04
1.64E+02	-3.02E-04	-1.42E-03	-3.95E-04
1.64E+02	-4.17E-04	-1.44E-03	-4.02E-04
1.64E+02	-5.18E-04	-1.43E-03	-3.37E-04
1.64E+02	-6.34E-04	-1.44E-03	-2.59E-04
1.64E+02	-7.36E-04	-1.47E-03	-1.85E-04
1.64E+02	-8.21E-04	-1.47E-03	-5.00E-05
1.64E+02	-8.75E-04	-1.49E-03	-6.48E-06
1.64E+02	-9.34E-04	-1.53E-03	-3.72E-05
1.64E+02	-1.03E-03	-1.57E-03	-7.02E-05
1.64E+02	-1.07E-03	-1.60E-03	-1.33E-04
1.64E+02	-1.07E-03	-1.58E-03	-1.43E-04
1.64E+02	-1.09E-03	-1.56E-03	-1.67E-04
1.64E+02	-1.08E-03	-1.55E-03	-2.19E-04
1.64E+02	-1.04E-03	-1.50E-03	-1.84E-04
1.64E+02	-9.79E-04	-1.43E-03	-1.67E-04
1.64E+02	-9.32E-04	-1.39E-03	-1.71E-04
1.64E+02	-9.46E-04	-1.36E-03	-1.54E-04
1.64E+02	-9.35E-04	-1.34E-03	-1.84E-04
1.64E+02	-8.95E-04	-1.33E-03	-1.75E-04
1.64E+02	-8.89E-04	-1.33E-03	-1.54E-04
1.64E+02	-8.82E-04	-1.35E-03	-1.94E-04
1.64E+02	-8.56E-04	-1.33E-03	-1.90E-04
1.64E+02	-8.06E-04	-1.31E-03	-2.09E-04
1.64E+02	-7.42E-04	-1.29E-03	-2.76E-04
1.64E+02	-7.25E-04	-1.27E-03	-3.17E-04
1.64E+02	-6.81E-04	-1.22E-03	-3.84E-04
1.64E+02	-6.06E-04	-1.17E-03	-4.22E-04
1.64E+02	-5.98E-04	-1.15E-03	-4.36E-04
1.64E+02	-5.88E-04	-1.17E-03	-4.55E-04
1.64E+02	-5.72E-04	-1.21E-03	-3.59E-04
1.64E+02	-5.72E-04	-1.25E-03	-2.21E-04
1.64E+02	-5.88E-04	-1.30E-03	-1.38E-04
1.64E+02	-6.74E-04	-1.32E-03	-7.80E-05
1.64E+02	-7.46E-04	-1.32E-03	-7.99E-05
1.64E+02	-7.55E-04	-1.29E-03	-8.91E-05

1.64E+02	-7.85E-04	-1.24E-03	-8.95E-05
1.64E+02	-8.20E-04	-1.23E-03	-1.47E-04
1.64E+02	-8.23E-04	-1.22E-03	-1.44E-04
1.64E+02	-8.08E-04	-1.23E-03	-1.21E-04
1.64E+02	-7.83E-04	-1.28E-03	-1.86E-04
1.64E+02	-7.92E-04	-1.34E-03	-2.38E-04
1.64E+02	-8.03E-04	-1.39E-03	-2.81E-04
1.64E+02	-7.82E-04	-1.41E-03	-2.97E-04
1.64E+02	-8.15E-04	-1.40E-03	-2.87E-04
1.64E+02	-8.75E-04	-1.41E-03	-3.36E-04
1.64E+02	-9.04E-04	-1.37E-03	-3.26E-04
1.64E+02	-9.36E-04	-1.30E-03	-2.65E-04
1.64E+02	-9.46E-04	-1.24E-03	-2.53E-04
1.64E+02	-9.72E-04	-1.19E-03	-2.22E-04
1.64E+02	-1.01E-03	-1.15E-03	-2.12E-04
1.64E+02	-9.67E-04	-1.10E-03	-2.02E-04
1.64E+02	-9.44E-04	-1.05E-03	-1.58E-04
1.64E+02	-9.48E-04	-1.01E-03	-1.62E-04
1.64E+02	-9.39E-04	-9.53E-04	-1.30E-04
1.64E+02	-9.44E-04	-8.62E-04	-4.22E-05
1.64E+02	-9.38E-04	-7.81E-04	-3.81E-07
1.64E+02	-1.00E-03	-7.14E-04	5.80E-05
1.64E+02	-1.12E-03	-6.33E-04	1.13E-04
1.64E+02	-1.17E-03	-5.29E-04	1.28E-04
1.64E+02	-1.25E-03	-4.19E-04	1.55E-04
1.64E+02	-1.33E-03	-3.38E-04	1.38E-04
1.64E+02	-1.36E-03	-2.71E-04	1.51E-04
1.64E+02	-1.36E-03	-1.92E-04	2.55E-04
1.64E+02	-1.32E-03	-1.63E-04	3.19E-04
1.64E+02	-1.28E-03	-1.97E-04	3.72E-04
1.64E+02	-1.28E-03	-2.82E-04	4.11E-04
1.64E+02	-1.21E-03	-4.18E-04	3.77E-04
1.64E+02	-1.14E-03	-5.61E-04	3.29E-04
1.64E+02	-1.11E-03	-7.26E-04	2.53E-04
1.64E+02	-1.06E-03	-8.77E-04	2.15E-04
1.64E+02	-9.92E-04	-9.52E-04	3.16E-04
1.64E+02	-9.01E-04	-1.02E-03	4.06E-04
1.64E+02	-8.46E-04	-1.09E-03	4.70E-04
1.64E+02	-8.25E-04	-1.13E-03	5.54E-04
1.64E+02	-7.70E-04	-1.19E-03	5.46E-04
1.64E+02	-7.10E-04	-1.24E-03	5.16E-04
1.64E+02	-6.50E-04	-1.29E-03	4.56E-04
1.64E+02	-5.60E-04	-1.35E-03	3.62E-04
1.64E+02	-4.35E-04	-1.37E-03	3.64E-04
1.64E+02	-2.72E-04	-1.38E-03	3.62E-04
1.64E+02	-1.20E-04	-1.38E-03	3.50E-04
1.64E+02	-2.86E-06	-1.36E-03	3.68E-04

1.64E+02	1.49E-04	-1.32E-03	3.58E-04
1.64E+02	3.05E-04	-1.27E-03	3.82E-04
1.64E+02	4.01E-04	-1.23E-03	3.67E-04
1.64E+02	5.01E-04	-1.19E-03	2.86E-04
1.64E+02	6.20E-04	-1.12E-03	2.77E-04
1.64E+02	7.35E-04	-1.06E-03	2.69E-04
1.64E+02	8.20E-04	-1.03E-03	2.32E-04
1.64E+02	8.40E-04	-1.00E-03	2.16E-04
1.64E+02	8.52E-04	-1.01E-03	1.26E-04
1.64E+02	8.62E-04	-1.00E-03	2.42E-05
1.64E+02	8.18E-04	-1.02E-03	-5.04E-05
1.64E+02	7.81E-04	-1.08E-03	-1.35E-04
1.64E+02	7.71E-04	-1.11E-03	-9.08E-05
1.64E+02	7.60E-04	-1.14E-03	-1.66E-05
1.64E+02	7.58E-04	-1.19E-03	1.66E-05
1.64E+02	7.17E-04	-1.24E-03	9.80E-05
1.64E+02	6.77E-04	-1.32E-03	1.41E-04
1.64E+02	6.83E-04	-1.39E-03	2.04E-04
1.64E+02	6.36E-04	-1.45E-03	2.65E-04
1.64E+02	5.62E-04	-1.56E-03	2.37E-04
1.64E+02	5.18E-04	-1.61E-03	2.74E-04
1.64E+02	4.89E-04	-1.62E-03	3.02E-04
1.64E+02	4.79E-04	-1.66E-03	2.81E-04
1.64E+02	4.33E-04	-1.68E-03	3.81E-04
1.64E+02	4.01E-04	-1.71E-03	5.04E-04
1.64E+02	4.12E-04	-1.74E-03	5.85E-04
1.64E+02	3.79E-04	-1.79E-03	6.11E-04
1.64E+02	3.43E-04	-1.88E-03	5.06E-04
1.64E+02	3.36E-04	-1.97E-03	4.26E-04
1.64E+02	3.49E-04	-2.02E-03	3.98E-04
1.64E+02	3.57E-04	-2.08E-03	3.13E-04
1.64E+02	2.96E-04	-2.13E-03	2.74E-04
1.64E+02	2.32E-04	-2.16E-03	2.56E-04
1.64E+02	1.97E-04	-2.18E-03	2.20E-04
1.64E+02	1.11E-04	-2.22E-03	2.39E-04
1.64E+02	-4.01E-06	-2.26E-03	2.28E-04
1.64E+02	-1.02E-04	-2.27E-03	2.24E-04
1.64E+02	-1.88E-04	-2.24E-03	2.51E-04
1.64E+02	-2.27E-04	-2.19E-03	2.22E-04
1.64E+02	-2.67E-04	-2.13E-03	2.38E-04
1.64E+02	-3.10E-04	-2.06E-03	3.02E-04
1.64E+02	-2.78E-04	-1.99E-03	3.47E-04
1.64E+02	-2.48E-04	-1.95E-03	3.64E-04
1.64E+02	-2.40E-04	-1.95E-03	2.67E-04
1.64E+02	-2.02E-04	-1.92E-03	1.32E-04
1.64E+02	-1.43E-04	-1.85E-03	6.08E-05
1.64E+02	-6.90E-05	-1.75E-03	-1.18E-05

1.64E+02	-4.98E-05	-1.65E-03	-7.13E-05
1.64E+02	-6.89E-05	-1.56E-03	-1.34E-04
1.64E+02	-3.89E-05	-1.50E-03	-2.26E-04
1.64E+02	-2.31E-05	-1.48E-03	-2.61E-04
1.65E+02	-3.45E-05	-1.52E-03	-2.89E-04
1.65E+02	-2.44E-05	-1.57E-03	-2.90E-04
1.65E+02	-6.10E-06	-1.60E-03	-2.11E-04
1.65E+02	2.29E-05	-1.63E-03	-1.80E-04
1.65E+02	1.74E-05	-1.65E-03	-1.49E-04
1.65E+02	-3.47E-05	-1.66E-03	-7.82E-05
1.65E+02	-6.56E-05	-1.64E-03	-2.54E-05
1.65E+02	-1.28E-04	-1.62E-03	2.69E-05
1.65E+02	-2.51E-04	-1.66E-03	-2.86E-05
1.65E+02	-3.54E-04	-1.73E-03	-1.17E-04
1.65E+02	-4.31E-04	-1.78E-03	-9.00E-05
1.65E+02	-4.84E-04	-1.85E-03	-7.82E-05
1.65E+02	-5.51E-04	-1.92E-03	-8.30E-05
1.65E+02	-6.32E-04	-1.98E-03	-7.55E-05
1.65E+02	-6.42E-04	-2.03E-03	-1.25E-04
1.65E+02	-6.26E-04	-2.04E-03	-1.56E-04
1.65E+02	-6.23E-04	-2.05E-03	-2.13E-04
1.65E+02	-5.78E-04	-2.05E-03	-2.87E-04
1.65E+02	-5.15E-04	-1.98E-03	-2.56E-04
1.65E+02	-4.43E-04	-1.90E-03	-2.59E-04
1.65E+02	-3.73E-04	-1.82E-03	-2.93E-04
1.65E+02	-3.48E-04	-1.72E-03	-2.75E-04
1.65E+02	-3.10E-04	-1.62E-03	-2.76E-04
1.65E+02	-2.82E-04	-1.53E-03	-2.50E-04
1.65E+02	-3.24E-04	-1.51E-03	-2.50E-04
1.65E+02	-3.78E-04	-1.55E-03	-2.69E-04
1.65E+02	-4.48E-04	-1.58E-03	-1.91E-04
1.65E+02	-5.22E-04	-1.62E-03	-1.37E-04
1.65E+02	-6.12E-04	-1.66E-03	-1.32E-04
1.65E+02	-7.50E-04	-1.69E-03	-1.19E-04
1.65E+02	-8.23E-04	-1.66E-03	-1.67E-04
1.65E+02	-8.34E-04	-1.59E-03	-2.31E-04
1.65E+02	-8.43E-04	-1.54E-03	-3.20E-04
1.65E+02	-8.07E-04	-1.44E-03	-4.10E-04
1.65E+02	-7.44E-04	-1.35E-03	-3.89E-04
1.65E+02	-6.63E-04	-1.33E-03	-4.05E-04
1.65E+02	-5.94E-04	-1.32E-03	-4.60E-04
1.65E+02	-6.02E-04	-1.28E-03	-4.84E-04
1.65E+02	-5.95E-04	-1.26E-03	-5.84E-04
1.65E+02	-5.58E-04	-1.26E-03	-5.80E-04
1.65E+02	-5.84E-04	-1.24E-03	-4.77E-04
1.65E+02	-6.09E-04	-1.25E-03	-4.85E-04
1.65E+02	-6.02E-04	-1.27E-03	-4.24E-04

1.65E+02	-5.95E-04	-1.26E-03	-2.44E-04
1.65E+02	-5.97E-04	-1.30E-03	-1.33E-04
1.65E+02	-6.40E-04	-1.38E-03	-9.48E-05
1.65E+02	-6.62E-04	-1.46E-03	-9.31E-05
1.65E+02	-6.62E-04	-1.53E-03	-1.40E-04
1.65E+02	-6.91E-04	-1.57E-03	-2.14E-04
1.65E+02	-7.14E-04	-1.61E-03	-2.78E-04
1.65E+02	-7.23E-04	-1.59E-03	-2.50E-04
1.65E+02	-7.25E-04	-1.54E-03	-2.09E-04
1.65E+02	-7.43E-04	-1.52E-03	-2.40E-04
1.65E+02	-8.16E-04	-1.47E-03	-2.26E-04
1.65E+02	-8.75E-04	-1.41E-03	-2.18E-04
1.65E+02	-8.68E-04	-1.33E-03	-2.17E-04
1.65E+02	-8.77E-04	-1.22E-03	-1.78E-04
1.65E+02	-8.90E-04	-1.15E-03	-2.39E-04
1.65E+02	-8.57E-04	-1.07E-03	-2.92E-04
1.65E+02	-8.12E-04	-9.82E-04	-2.49E-04
1.65E+02	-7.59E-04	-9.42E-04	-2.42E-04
1.65E+02	-7.51E-04	-9.34E-04	-2.28E-04
1.65E+02	-7.54E-04	-9.40E-04	-2.06E-04
1.65E+02	-7.04E-04	-9.54E-04	-2.11E-04
1.65E+02	-6.83E-04	-9.59E-04	-1.84E-04
1.65E+02	-6.84E-04	-9.96E-04	-1.85E-04
1.65E+02	-6.73E-04	-1.04E-03	-1.65E-04
1.65E+02	-6.69E-04	-1.09E-03	-1.13E-04
1.65E+02	-6.54E-04	-1.19E-03	-1.84E-04
1.65E+02	-6.67E-04	-1.32E-03	-3.08E-04
1.65E+02	-6.89E-04	-1.46E-03	-4.34E-04
1.65E+02	-6.45E-04	-1.57E-03	-5.74E-04
1.65E+02	-5.86E-04	-1.64E-03	-6.72E-04
1.65E+02	-5.28E-04	-1.73E-03	-7.91E-04
1.65E+02	-4.28E-04	-1.80E-03	-8.26E-04
1.65E+02	-3.04E-04	-1.83E-03	-7.21E-04
1.65E+02	-1.54E-04	-1.86E-03	-6.73E-04
1.65E+02	-2.21E-05	-1.91E-03	-6.40E-04
1.65E+02	7.78E-05	-1.91E-03	-5.47E-04
1.65E+02	2.36E-04	-1.91E-03	-4.59E-04
1.65E+02	4.05E-04	-1.88E-03	-3.60E-04
1.65E+02	5.32E-04	-1.84E-03	-3.12E-04
1.65E+02	6.56E-04	-1.81E-03	-3.04E-04
1.65E+02	7.66E-04	-1.74E-03	-2.45E-04
1.65E+02	8.64E-04	-1.69E-03	-2.40E-04
1.65E+02	9.10E-04	-1.66E-03	-2.58E-04
1.65E+02	8.73E-04	-1.61E-03	-2.32E-04
1.65E+02	8.36E-04	-1.55E-03	-2.46E-04
1.65E+02	7.64E-04	-1.49E-03	-2.53E-04
1.65E+02	6.18E-04	-1.45E-03	-2.66E-04

1.65E+02	4.77E-04	-1.47E-03	-2.83E-04
1.65E+02	3.47E-04	-1.46E-03	-1.97E-04
1.65E+02	2.33E-04	-1.47E-03	-1.16E-04
1.65E+02	1.09E-04	-1.51E-03	-1.15E-04
1.65E+02	-4.02E-05	-1.54E-03	-1.48E-04
1.65E+02	-1.11E-04	-1.56E-03	-2.33E-04
1.65E+02	-1.07E-04	-1.56E-03	-2.57E-04
1.65E+02	-9.08E-05	-1.53E-03	-2.24E-04
1.65E+02	-3.03E-05	-1.50E-03	-2.29E-04
1.65E+02	6.60E-05	-1.43E-03	-1.87E-04
1.65E+02	1.92E-04	-1.34E-03	-1.57E-04
1.65E+02	3.31E-04	-1.28E-03	-1.55E-04
1.65E+02	4.15E-04	-1.21E-03	-8.16E-05
1.65E+02	5.01E-04	-1.15E-03	1.53E-06
1.65E+02	5.95E-04	-1.08E-03	9.37E-05
1.65E+02	6.03E-04	-1.03E-03	1.57E-04
1.65E+02	5.83E-04	-1.04E-03	1.26E-04
1.65E+02	5.60E-04	-1.05E-03	1.20E-04
1.65E+02	5.12E-04	-1.08E-03	1.14E-04
1.65E+02	4.50E-04	-1.14E-03	4.88E-05
1.65E+02	3.47E-04	-1.20E-03	4.01E-06
1.65E+02	2.75E-04	-1.26E-03	-4.27E-05
1.65E+02	2.84E-04	-1.30E-03	-4.69E-05
1.65E+02	2.82E-04	-1.34E-03	-2.06E-05
1.65E+02	2.66E-04	-1.43E-03	-7.15E-05
1.65E+02	2.91E-04	-1.49E-03	-9.06E-05
1.65E+02	3.35E-04	-1.51E-03	-1.29E-04
1.65E+02	3.91E-04	-1.56E-03	-2.92E-04
1.65E+02	4.20E-04	-1.59E-03	-4.37E-04
1.65E+02	4.47E-04	-1.58E-03	-5.58E-04
1.65E+02	5.24E-04	-1.56E-03	-6.61E-04
1.65E+02	5.68E-04	-1.54E-03	-7.30E-04
1.65E+02	6.03E-04	-1.57E-03	-8.06E-04
1.65E+02	6.75E-04	-1.59E-03	-7.55E-04
1.65E+02	7.36E-04	-1.60E-03	-6.24E-04
1.65E+02	7.85E-04	-1.63E-03	-5.65E-04
1.65E+02	7.77E-04	-1.62E-03	-5.19E-04
1.65E+02	7.47E-04	-1.56E-03	-5.09E-04
1.65E+02	7.53E-04	-1.48E-03	-5.08E-04
1.65E+02	7.00E-04	-1.36E-03	-4.81E-04
1.65E+02	5.93E-04	-1.27E-03	-4.98E-04
1.65E+02	4.71E-04	-1.17E-03	-4.54E-04
1.65E+02	3.43E-04	-1.08E-03	-3.37E-04
1.65E+02	2.23E-04	-1.03E-03	-2.72E-04
1.65E+02	5.84E-05	-1.02E-03	-2.03E-04
1.65E+02	-9.25E-05	-1.00E-03	-1.31E-04
1.65E+02	-1.72E-04	-9.66E-04	-8.18E-05

1.65E+02	-2.33E-04	-8.99E-04	1.28E-05
1.65E+02	-2.57E-04	-8.34E-04	6.71E-05
1.65E+02	-2.40E-04	-7.70E-04	7.71E-05
1.65E+02	-2.01E-04	-6.92E-04	7.69E-05
1.65E+02	-1.46E-04	-6.51E-04	-1.56E-05
1.65E+02	-1.30E-04	-6.41E-04	-1.08E-04
1.65E+02	-1.42E-04	-6.22E-04	-1.56E-04
1.65E+02	-1.17E-04	-5.98E-04	-1.98E-04
1.65E+02	-1.03E-04	-5.54E-04	-1.69E-04
1.65E+02	-1.34E-04	-5.03E-04	-1.17E-04
1.65E+02	-1.70E-04	-4.48E-04	-2.96E-05
1.65E+02	-1.92E-04	-3.43E-04	1.32E-04
1.65E+02	-1.91E-04	-2.40E-04	2.37E-04
1.65E+02	-2.24E-04	-1.66E-04	2.75E-04
1.65E+02	-2.94E-04	-8.81E-05	2.69E-04
1.65E+02	-3.35E-04	-2.56E-05	1.84E-04
1.65E+02	-3.74E-04	6.83E-05	1.06E-04
1.65E+02	-4.53E-04	1.36E-04	-2.61E-05
1.65E+02	-5.30E-04	1.44E-04	-2.06E-04
1.65E+02	-5.61E-04	1.83E-04	-2.66E-04
1.65E+02	-5.67E-04	1.87E-04	-3.19E-04
1.65E+02	-5.82E-04	1.61E-04	-3.77E-04
1.65E+02	-5.93E-04	1.49E-04	-3.70E-04
1.65E+02	-5.24E-04	1.26E-04	-3.72E-04
1.65E+02	-3.95E-04	1.19E-04	-3.15E-04
1.65E+02	-2.94E-04	8.41E-05	-2.53E-04
1.65E+02	-1.81E-04	1.18E-05	-2.51E-04
1.65E+02	-4.50E-05	-5.07E-05	-2.30E-04
1.65E+02	9.67E-05	-1.36E-04	-2.98E-04
1.65E+02	2.20E-04	-2.42E-04	-4.42E-04
1.65E+02	2.92E-04	-3.25E-04	-5.48E-04
1.65E+02	3.84E-04	-3.71E-04	-6.60E-04
1.65E+02	4.72E-04	-3.82E-04	-7.52E-04
1.65E+02	4.86E-04	-4.13E-04	-8.72E-04
1.65E+02	4.82E-04	-4.85E-04	-1.03E-03
1.65E+02	4.83E-04	-5.47E-04	-1.06E-03
1.65E+02	4.96E-04	-6.21E-04	-1.04E-03
1.65E+02	5.07E-04	-7.27E-04	-9.96E-04
1.65E+02	4.93E-04	-8.24E-04	-8.91E-04
1.65E+02	5.46E-04	-9.07E-04	-7.81E-04
1.65E+02	6.58E-04	-9.68E-04	-6.61E-04
1.65E+02	7.47E-04	-1.03E-03	-5.39E-04
1.65E+02	8.60E-04	-1.10E-03	-4.67E-04
1.65E+02	9.96E-04	-1.14E-03	-3.45E-04
1.65E+02	1.13E-03	-1.17E-03	-2.52E-04
1.65E+02	1.27E-03	-1.21E-03	-2.50E-04
1.65E+02	1.36E-03	-1.20E-03	-1.92E-04

1.65E+02	1.46E-03	-1.16E-03	-1.18E-04
1.65E+02	1.58E-03	-1.09E-03	-4.01E-06
1.65E+02	1.64E-03	-9.88E-04	1.32E-04
1.65E+02	1.66E-03	-9.43E-04	1.47E-04
1.65E+02	1.66E-03	-8.91E-04	1.60E-04
1.65E+02	1.61E-03	-8.36E-04	1.26E-04
1.65E+02	1.54E-03	-8.21E-04	1.60E-05
1.65E+02	1.42E-03	-7.95E-04	-2.17E-05
1.65E+02	1.27E-03	-7.93E-04	-9.59E-05
1.65E+02	1.18E-03	-8.10E-04	-2.03E-04
1.65E+02	1.09E-03	-8.14E-04	-2.97E-04
1.65E+02	1.00E-03	-8.40E-04	-4.56E-04
1.65E+02	9.98E-04	-8.35E-04	-5.27E-04
1.65E+02	1.07E-03	-7.97E-04	-5.09E-04
1.65E+02	1.21E-03	-7.88E-04	-5.14E-04
1.65E+02	1.34E-03	-7.86E-04	-4.24E-04
1.66E+02	1.48E-03	-7.99E-04	-2.89E-04
1.66E+02	1.65E-03	-8.40E-04	-1.58E-04
1.66E+02	1.74E-03	-9.08E-04	-3.43E-05
1.66E+02	1.77E-03	-1.03E-03	-3.47E-05
1.66E+02	1.79E-03	-1.15E-03	-4.23E-05
1.66E+02	1.76E-03	-1.24E-03	-1.41E-05
1.66E+02	1.73E-03	-1.32E-03	-2.80E-05
1.66E+02	1.63E-03	-1.37E-03	-2.38E-05
1.66E+02	1.49E-03	-1.38E-03	-6.60E-05
1.66E+02	1.40E-03	-1.37E-03	-1.53E-04
1.66E+02	1.29E-03	-1.36E-03	-2.24E-04
1.66E+02	1.14E-03	-1.38E-03	-3.51E-04
1.66E+02	1.03E-03	-1.38E-03	-4.49E-04
1.66E+02	9.53E-04	-1.36E-03	-4.43E-04
1.66E+02	9.27E-04	-1.33E-03	-4.14E-04
1.66E+02	9.26E-04	-1.30E-03	-2.95E-04
1.66E+02	9.46E-04	-1.26E-03	-8.07E-05
1.66E+02	1.03E-03	-1.21E-03	1.30E-04
1.66E+02	1.12E-03	-1.16E-03	3.24E-04
1.66E+02	1.18E-03	-1.15E-03	4.09E-04
1.66E+02	1.24E-03	-1.16E-03	4.23E-04
1.66E+02	1.34E-03	-1.13E-03	4.76E-04
1.66E+02	1.43E-03	-1.12E-03	4.80E-04
1.66E+02	1.47E-03	-1.10E-03	4.78E-04
1.66E+02	1.46E-03	-1.08E-03	5.34E-04
1.66E+02	1.46E-03	-1.05E-03	6.03E-04
1.66E+02	1.46E-03	-1.01E-03	7.27E-04
1.66E+02	1.39E-03	-9.66E-04	8.56E-04
1.66E+02	1.31E-03	-9.17E-04	9.76E-04
1.66E+02	1.26E-03	-8.24E-04	1.14E-03
1.66E+02	1.21E-03	-7.27E-04	1.22E-03

1.66E+02	1.14E-03	-6.39E-04	1.17E-03
1.66E+02	1.05E-03	-5.48E-04	1.09E-03
1.66E+02	1.02E-03	-4.55E-04	9.62E-04
1.66E+02	9.93E-04	-3.46E-04	8.43E-04
1.66E+02	9.42E-04	-2.63E-04	7.14E-04
1.66E+02	9.18E-04	-1.91E-04	5.94E-04
1.66E+02	9.12E-04	-8.05E-05	6.24E-04
1.66E+02	9.09E-04	2.94E-05	6.99E-04
1.66E+02	8.62E-04	1.20E-04	7.21E-04
1.66E+02	7.47E-04	2.30E-04	7.48E-04
1.66E+02	6.44E-04	3.59E-04	7.21E-04
1.66E+02	5.47E-04	5.07E-04	6.76E-04
1.66E+02	4.22E-04	6.60E-04	6.45E-04
1.66E+02	2.99E-04	8.04E-04	5.81E-04
1.66E+02	2.05E-04	9.84E-04	6.00E-04
1.66E+02	1.45E-04	1.17E-03	6.68E-04
1.66E+02	8.74E-05	1.31E-03	6.85E-04
1.66E+02	5.15E-06	1.44E-03	7.21E-04
1.66E+02	-4.94E-05	1.58E-03	7.43E-04
1.66E+02	-7.21E-05	1.73E-03	7.43E-04
1.66E+02	-1.18E-04	1.84E-03	7.08E-04
1.66E+02	-1.46E-04	1.93E-03	6.36E-04
1.66E+02	-1.29E-04	2.02E-03	6.44E-04
1.66E+02	-6.48E-05	2.11E-03	7.15E-04
1.66E+02	2.92E-05	2.17E-03	7.73E-04
1.66E+02	7.46E-05	2.16E-03	7.84E-04
1.66E+02	1.47E-04	2.11E-03	7.20E-04
1.66E+02	2.97E-04	2.04E-03	6.38E-04
1.66E+02	4.24E-04	1.96E-03	5.54E-04
1.66E+02	5.32E-04	1.87E-03	4.27E-04
1.66E+02	6.54E-04	1.82E-03	3.59E-04
1.66E+02	7.57E-04	1.80E-03	3.59E-04
1.66E+02	8.29E-04	1.76E-03	3.53E-04
1.66E+02	8.28E-04	1.72E-03	4.07E-04
1.66E+02	7.92E-04	1.68E-03	4.94E-04
1.66E+02	7.67E-04	1.66E-03	5.70E-04
1.66E+02	6.83E-04	1.64E-03	6.41E-04
1.66E+02	5.76E-04	1.63E-03	6.75E-04
1.66E+02	4.95E-04	1.65E-03	7.64E-04
1.66E+02	4.33E-04	1.73E-03	9.01E-04
1.66E+02	3.74E-04	1.81E-03	9.89E-04
1.66E+02	2.73E-04	1.90E-03	1.08E-03
1.66E+02	1.92E-04	1.99E-03	1.16E-03
1.66E+02	1.82E-04	2.09E-03	1.22E-03
1.66E+02	1.63E-04	2.15E-03	1.29E-03
1.66E+02	1.35E-04	2.19E-03	1.29E-03
1.66E+02	1.44E-04	2.21E-03	1.29E-03

1.66E+02	1.34E-04	2.23E-03	1.29E-03
1.66E+02	9.00E-05	2.25E-03	1.16E-03
1.66E+02	1.37E-05	2.27E-03	1.02E-03
1.66E+02	-1.06E-04	2.30E-03	8.85E-04
1.66E+02	-2.09E-04	2.34E-03	7.35E-04
1.66E+02	-3.45E-04	2.36E-03	5.67E-04
1.66E+02	-5.17E-04	2.34E-03	3.37E-04
1.66E+02	-6.39E-04	2.29E-03	1.46E-04
1.66E+02	-7.36E-04	2.25E-03	7.27E-05
1.66E+02	-8.20E-04	2.21E-03	1.16E-05
1.66E+02	-9.15E-04	2.15E-03	-2.29E-06
1.66E+02	-1.00E-03	2.15E-03	7.71E-05
1.66E+02	-1.01E-03	2.18E-03	1.80E-04
1.66E+02	-1.01E-03	2.23E-03	2.65E-04
1.66E+02	-1.02E-03	2.28E-03	2.46E-04
1.66E+02	-9.77E-04	2.33E-03	1.81E-04
1.66E+02	-8.80E-04	2.41E-03	1.81E-04
1.66E+02	-7.39E-04	2.47E-03	1.74E-04
1.66E+02	-6.04E-04	2.52E-03	1.93E-04
1.66E+02	-4.91E-04	2.56E-03	2.66E-04
1.66E+02	-3.52E-04	2.59E-03	3.76E-04
1.66E+02	-2.46E-04	2.64E-03	5.34E-04
1.66E+02	-2.21E-04	2.62E-03	5.87E-04
1.66E+02	-1.81E-04	2.57E-03	5.66E-04
1.66E+02	-1.64E-04	2.56E-03	6.04E-04
1.66E+02	-1.66E-04	2.50E-03	6.12E-04
1.66E+02	-1.82E-04	2.48E-03	5.94E-04
1.66E+02	-2.71E-04	2.39E-03	5.57E-04
1.66E+02	-2.76E-04	2.40E-03	5.50E-04
1.66E+02	-2.83E-04	2.39E-03	5.61E-04
1.66E+02	-3.44E-04	2.24E-03	5.00E-04
1.66E+02	-3.53E-04	2.26E-03	5.66E-04
1.66E+02	-3.69E-04	2.24E-03	6.04E-04
1.66E+02	-3.35E-04	2.15E-03	4.75E-04
1.66E+02	-3.03E-04	2.18E-03	4.63E-04
1.66E+02	-3.34E-04	2.18E-03	5.12E-04
1.66E+02	-2.91E-04	2.21E-03	5.69E-04
1.66E+02	-2.27E-04	2.25E-03	6.55E-04
1.66E+02	-2.30E-04	2.20E-03	6.86E-04
1.66E+02	-2.35E-04	2.15E-03	6.74E-04
1.66E+02	-2.40E-04	2.04E-03	6.20E-04
1.66E+02	-2.16E-04	1.95E-03	5.23E-04
1.66E+02	-2.17E-04	1.86E-03	4.04E-04
1.66E+02	-2.84E-04	1.77E-03	2.53E-04
1.66E+02	-2.75E-04	1.76E-03	8.39E-05
1.66E+02	-2.47E-04	1.80E-03	2.94E-05
1.66E+02	-2.52E-04	1.84E-03	5.34E-05

1.66E+02	-2.45E-04	1.86E-03	2.98E-05
1.66E+02	-2.37E-04	1.86E-03	9.31E-05
1.66E+02	-1.91E-04	1.85E-03	1.94E-04
1.66E+02	-1.37E-04	1.78E-03	1.91E-04
1.66E+02	-1.19E-04	1.71E-03	1.63E-04
1.66E+02	-8.18E-05	1.66E-03	1.21E-04
1.66E+02	-2.16E-05	1.66E-03	1.01E-04
1.66E+02	-1.39E-05	1.65E-03	8.05E-05
1.66E+02	-1.74E-05	1.58E-03	5.34E-06
1.66E+02	-7.06E-06	1.54E-03	-1.32E-05
1.66E+02	-7.06E-06	1.47E-03	-1.89E-05
1.66E+02	-2.19E-05	1.40E-03	-6.79E-05
1.66E+02	-8.49E-05	1.36E-03	-8.83E-05
1.66E+02	-1.37E-04	1.35E-03	-8.68E-05
1.66E+02	-1.38E-04	1.40E-03	-4.86E-05
1.66E+02	-1.48E-04	1.49E-03	-2.57E-05
1.66E+02	-1.50E-04	1.56E-03	-6.47E-05
1.66E+02	-1.11E-04	1.68E-03	-3.74E-05
1.66E+02	-5.02E-05	1.82E-03	3.53E-05
1.66E+02	3.93E-05	1.93E-03	4.33E-05
1.66E+02	1.22E-04	2.05E-03	8.70E-05
1.66E+02	1.98E-04	2.17E-03	1.75E-04
1.66E+02	3.25E-04	2.30E-03	2.42E-04
1.66E+02	4.20E-04	2.44E-03	2.96E-04
1.66E+02	4.83E-04	2.52E-03	3.10E-04
1.66E+02	5.82E-04	2.61E-03	3.80E-04
1.66E+02	6.74E-04	2.68E-03	4.87E-04
1.66E+02	7.75E-04	2.72E-03	5.38E-04
1.66E+02	8.44E-04	2.75E-03	5.82E-04
1.66E+02	8.83E-04	2.76E-03	5.73E-04
1.66E+02	9.58E-04	2.78E-03	5.41E-04
1.66E+02	9.90E-04	2.80E-03	5.32E-04
1.66E+02	9.64E-04	2.78E-03	4.73E-04
1.66E+02	9.20E-04	2.77E-03	4.16E-04
1.66E+02	8.63E-04	2.79E-03	3.84E-04
1.66E+02	8.01E-04	2.78E-03	3.09E-04
1.66E+02	7.08E-04	2.77E-03	2.73E-04
1.66E+02	6.06E-04	2.77E-03	3.01E-04
1.66E+02	5.58E-04	2.80E-03	3.64E-04
1.66E+02	5.13E-04	2.83E-03	4.67E-04
1.66E+02	4.39E-04	2.83E-03	4.88E-04
1.66E+02	4.08E-04	2.81E-03	4.57E-04
1.66E+02	4.30E-04	2.81E-03	4.97E-04
1.66E+02	4.81E-04	2.82E-03	5.52E-04
1.66E+02	4.99E-04	2.79E-03	5.86E-04
1.66E+02	4.86E-04	2.74E-03	5.91E-04
1.66E+02	5.31E-04	2.70E-03	5.76E-04

1.66E+02	5.56E-04	2.66E-03	5.75E-04
1.66E+02	5.25E-04	2.57E-03	4.90E-04
1.66E+02	5.10E-04	2.48E-03	3.35E-04
1.66E+02	4.99E-04	2.45E-03	2.43E-04
1.66E+02	5.01E-04	2.43E-03	1.38E-04
1.66E+02	4.99E-04	2.42E-03	2.10E-06
1.66E+02	5.13E-04	2.42E-03	-5.66E-05
1.66E+02	6.01E-04	2.44E-03	-4.33E-05
1.66E+02	7.06E-04	2.46E-03	2.17E-05
1.66E+02	7.95E-04	2.43E-03	8.28E-05
1.66E+02	9.19E-04	2.38E-03	1.56E-04
1.66E+02	1.06E-03	2.36E-03	3.09E-04
1.66E+02	1.19E-03	2.32E-03	4.27E-04
1.66E+02	1.28E-03	2.28E-03	4.80E-04
1.66E+02	1.32E-03	2.27E-03	5.22E-04
1.66E+02	1.37E-03	2.29E-03	5.25E-04
1.66E+02	1.42E-03	2.34E-03	5.11E-04
1.66E+02	1.42E-03	2.36E-03	4.41E-04
1.66E+02	1.42E-03	2.37E-03	3.46E-04
1.66E+02	1.43E-03	2.41E-03	3.47E-04
1.66E+02	1.47E-03	2.46E-03	3.44E-04
1.66E+02	1.52E-03	2.47E-03	2.87E-04
1.66E+02	1.53E-03	2.48E-03	2.50E-04
1.66E+02	1.57E-03	2.49E-03	2.47E-04
1.66E+02	1.67E-03	2.51E-03	2.91E-04
1.66E+02	1.73E-03	2.48E-03	3.22E-04
1.66E+02	1.79E-03	2.39E-03	3.25E-04
1.66E+02	1.84E-03	2.29E-03	3.82E-04
1.67E+02	1.91E-03	2.17E-03	4.45E-04
1.67E+02	1.95E-03	2.03E-03	5.00E-04
1.67E+02	1.93E-03	1.92E-03	5.82E-04
1.67E+02	1.95E-03	1.85E-03	6.32E-04
1.67E+02	2.00E-03	1.82E-03	6.44E-04
1.67E+02	1.99E-03	1.80E-03	6.03E-04
1.67E+02	1.97E-03	1.75E-03	5.21E-04
1.67E+02	1.94E-03	1.73E-03	4.82E-04
1.67E+02	1.93E-03	1.71E-03	4.31E-04
1.67E+02	1.89E-03	1.66E-03	3.39E-04
1.67E+02	1.77E-03	1.62E-03	2.72E-04
1.67E+02	1.65E-03	1.61E-03	2.15E-04
1.67E+02	1.54E-03	1.66E-03	1.83E-04
1.67E+02	1.38E-03	1.72E-03	1.48E-04
1.67E+02	1.20E-03	1.73E-03	6.96E-05
1.67E+02	1.02E-03	1.72E-03	6.98E-05
1.67E+02	8.56E-04	1.71E-03	1.50E-04
1.67E+02	6.92E-04	1.66E-03	2.26E-04
1.67E+02	5.08E-04	1.60E-03	3.47E-04

1.67E+02	3.60E-04	1.54E-03	4.84E-04
1.67E+02	2.79E-04	1.48E-03	6.01E-04
1.67E+02	1.83E-04	1.42E-03	6.74E-04
1.67E+02	8.68E-05	1.35E-03	6.32E-04
1.67E+02	3.91E-05	1.31E-03	5.71E-04
1.67E+02	1.05E-05	1.29E-03	5.28E-04
1.67E+02	4.20E-06	1.25E-03	4.33E-04
1.67E+02	-2.02E-05	1.21E-03	3.44E-04
1.67E+02	-6.12E-05	1.18E-03	2.59E-04
1.67E+02	-5.49E-05	1.19E-03	1.61E-04
1.67E+02	-7.06E-05	1.22E-03	7.65E-05
1.67E+02	-1.13E-04	1.24E-03	-2.92E-05
1.67E+02	-1.24E-04	1.29E-03	-6.26E-05
1.67E+02	-1.27E-04	1.36E-03	3.59E-05
1.67E+02	-1.17E-04	1.40E-03	1.30E-04
1.67E+02	-1.28E-04	1.41E-03	2.16E-04
1.67E+02	-1.60E-04	1.41E-03	2.96E-04
1.67E+02	-1.24E-04	1.40E-03	3.23E-04
1.67E+02	-7.23E-05	1.39E-03	3.17E-04
1.67E+02	-3.72E-05	1.35E-03	2.47E-04
1.67E+02	4.02E-05	1.35E-03	2.24E-04
1.67E+02	1.17E-04	1.38E-03	2.85E-04
1.67E+02	1.98E-04	1.37E-03	2.82E-04
1.67E+02	2.59E-04	1.35E-03	2.88E-04
1.67E+02	2.65E-04	1.28E-03	3.24E-04
1.67E+02	3.07E-04	1.19E-03	3.41E-04
1.67E+02	3.43E-04	1.10E-03	3.78E-04
1.67E+02	3.28E-04	9.49E-04	3.29E-04
1.67E+02	3.37E-04	7.77E-04	2.54E-04
1.67E+02	3.66E-04	6.30E-04	2.63E-04
1.67E+02	4.07E-04	4.55E-04	2.46E-04
1.67E+02	4.34E-04	2.62E-04	2.61E-04
1.67E+02	4.46E-04	7.78E-05	3.14E-04
1.67E+02	5.11E-04	-1.14E-04	2.99E-04
1.67E+02	5.76E-04	-2.87E-04	2.72E-04
1.67E+02	5.87E-04	-4.69E-04	1.73E-04
1.67E+02	6.10E-04	-6.50E-04	6.29E-06
1.67E+02	6.38E-04	-7.56E-04	-9.96E-05
1.67E+02	6.67E-04	-8.37E-04	-1.89E-04
1.67E+02	6.77E-04	-9.12E-04	-2.09E-04
1.67E+02	6.28E-04	-9.58E-04	-1.11E-04
1.67E+02	5.98E-04	-9.98E-04	3.43E-06
1.67E+02	5.65E-04	-1.03E-03	1.18E-04
1.67E+02	4.77E-04	-1.07E-03	1.32E-04
1.67E+02	4.04E-04	-1.14E-03	4.23E-05
1.67E+02	3.64E-04	-1.17E-03	2.67E-06
1.67E+02	3.46E-04	-1.17E-03	-5.00E-05

1.67E+02	3.32E-04	-1.16E-03	-1.30E-04
1.67E+02	2.82E-04	-1.13E-03	-1.47E-04
1.67E+02	2.59E-04	-1.10E-03	-1.30E-04
1.67E+02	2.59E-04	-1.08E-03	-9.80E-05
1.67E+02	2.00E-04	-1.09E-03	-1.11E-04
1.67E+02	1.39E-04	-1.11E-03	-1.97E-04
1.67E+02	1.07E-04	-1.10E-03	-2.55E-04
1.67E+02	9.44E-05	-1.08E-03	-3.15E-04
1.67E+02	9.02E-05	-1.09E-03	-4.32E-04
1.67E+02	5.26E-05	-1.09E-03	-5.17E-04
1.67E+02	3.95E-05	-1.10E-03	-5.43E-04
1.67E+02	5.34E-05	-1.11E-03	-5.07E-04
1.67E+02	2.84E-05	-1.18E-03	-4.40E-04
1.67E+02	5.34E-06	-1.28E-03	-3.85E-04
1.67E+02	1.96E-05	-1.36E-03	-2.81E-04
1.67E+02	5.30E-05	-1.43E-03	-1.80E-04
1.67E+02	6.54E-05	-1.50E-03	-1.48E-04
1.67E+02	1.26E-05	-1.54E-03	-1.16E-04
1.67E+02	-5.32E-05	-1.54E-03	-9.96E-05
1.67E+02	-1.05E-04	-1.52E-03	-7.72E-05
1.67E+02	-2.14E-04	-1.49E-03	-3.09E-05
1.67E+02	-3.55E-04	-1.49E-03	-5.66E-05
1.67E+02	-4.67E-04	-1.46E-03	-6.73E-05
1.67E+02	-5.51E-04	-1.38E-03	-5.00E-05
1.67E+02	-6.35E-04	-1.34E-03	-1.41E-04
1.67E+02	-7.53E-04	-1.29E-03	-2.46E-04
1.67E+02	-8.51E-04	-1.22E-03	-3.15E-04
1.67E+02	-9.02E-04	-1.11E-03	-3.95E-04
1.67E+02	-9.81E-04	-9.85E-04	-5.17E-04
1.67E+02	-1.06E-03	-9.02E-04	-7.11E-04
1.67E+02	-1.09E-03	-8.16E-04	-8.51E-04
1.67E+02	-1.07E-03	-7.23E-04	-8.97E-04
1.67E+02	-1.03E-03	-6.66E-04	-9.60E-04
1.67E+02	-1.02E-03	-6.15E-04	-1.02E-03
1.67E+02	-1.03E-03	-5.61E-04	-1.07E-03
1.67E+02	-9.84E-04	-5.08E-04	-1.12E-03
1.67E+02	-9.95E-04	-4.82E-04	-1.13E-03
1.67E+02	-1.07E-03	-5.25E-04	-1.16E-03
1.67E+02	-1.13E-03	-5.73E-04	-1.14E-03
1.67E+02	-1.19E-03	-6.13E-04	-1.04E-03
1.67E+02	-1.24E-03	-7.06E-04	-9.82E-04
1.67E+02	-1.30E-03	-8.11E-04	-9.22E-04
1.67E+02	-1.34E-03	-8.98E-04	-8.48E-04
1.67E+02	-1.32E-03	-9.58E-04	-8.06E-04
1.67E+02	-1.27E-03	-9.86E-04	-7.58E-04
1.67E+02	-1.27E-03	-1.05E-03	-8.00E-04
1.67E+02	-1.24E-03	-1.12E-03	-8.68E-04

1.67E+02	-1.20E-03	-1.15E-03	-8.44E-04
1.67E+02	-1.17E-03	-1.18E-03	-8.31E-04
1.67E+02	-1.16E-03	-1.24E-03	-8.08E-04
1.67E+02	-1.21E-03	-1.28E-03	-7.72E-04
1.67E+02	-1.21E-03	-1.30E-03	-8.00E-04
1.67E+02	-1.21E-03	-1.28E-03	-8.52E-04
1.67E+02	-1.25E-03	-1.26E-03	-9.51E-04
1.67E+02	-1.26E-03	-1.24E-03	-1.05E-03
1.67E+02	-1.26E-03	-1.19E-03	-1.07E-03
1.67E+02	-1.24E-03	-1.18E-03	-1.14E-03
1.67E+02	-1.23E-03	-1.21E-03	-1.25E-03
1.67E+02	-1.26E-03	-1.25E-03	-1.33E-03
1.67E+02	-1.23E-03	-1.26E-03	-1.41E-03
1.67E+02	-1.18E-03	-1.23E-03	-1.41E-03
1.67E+02	-1.17E-03	-1.20E-03	-1.38E-03
1.67E+02	-1.14E-03	-1.17E-03	-1.35E-03
1.67E+02	-1.12E-03	-1.10E-03	-1.23E-03
1.67E+02	-1.13E-03	-1.05E-03	-1.14E-03
1.67E+02	-1.18E-03	-1.03E-03	-1.10E-03
1.67E+02	-1.31E-03	-1.02E-03	-1.04E-03
1.67E+02	-1.40E-03	-1.00E-03	-9.74E-04
1.67E+02	-1.48E-03	-9.99E-04	-9.06E-04
1.67E+02	-1.59E-03	-1.01E-03	-8.69E-04
1.67E+02	-1.66E-03	-9.95E-04	-8.44E-04
1.67E+02	-1.71E-03	-9.53E-04	-7.68E-04
1.67E+02	-1.73E-03	-8.91E-04	-7.09E-04
1.67E+02	-1.75E-03	-8.30E-04	-6.58E-04
1.67E+02	-1.79E-03	-7.69E-04	-5.70E-04
1.67E+02	-1.79E-03	-6.95E-04	-5.02E-04
1.67E+02	-1.77E-03	-6.11E-04	-4.29E-04
1.67E+02	-1.78E-03	-5.65E-04	-4.07E-04
1.67E+02	-1.79E-03	-5.71E-04	-4.63E-04
1.67E+02	-1.75E-03	-5.68E-04	-4.59E-04
1.67E+02	-1.69E-03	-5.73E-04	-4.45E-04
1.67E+02	-1.63E-03	-6.07E-04	-4.96E-04
1.67E+02	-1.60E-03	-6.32E-04	-5.65E-04
1.67E+02	-1.54E-03	-6.40E-04	-6.47E-04
1.67E+02	-1.43E-03	-6.32E-04	-6.85E-04
1.67E+02	-1.36E-03	-6.22E-04	-6.67E-04
1.67E+02	-1.30E-03	-6.35E-04	-6.99E-04
1.67E+02	-1.25E-03	-6.32E-04	-7.34E-04
1.67E+02	-1.20E-03	-6.09E-04	-7.90E-04
1.67E+02	-1.16E-03	-6.22E-04	-9.33E-04
1.67E+02	-1.17E-03	-6.39E-04	-1.02E-03
1.67E+02	-1.19E-03	-6.45E-04	-1.05E-03
1.67E+02	-1.18E-03	-6.49E-04	-1.05E-03
1.67E+02	-1.24E-03	-6.56E-04	-1.04E-03

1.67E+02	-1.31E-03	-6.96E-04	-1.12E-03
1.67E+02	-1.36E-03	-7.24E-04	-1.15E-03
1.67E+02	-1.39E-03	-7.29E-04	-1.12E-03
1.67E+02	-1.41E-03	-7.50E-04	-1.13E-03
1.67E+02	-1.45E-03	-7.71E-04	-1.11E-03
1.67E+02	-1.47E-03	-7.81E-04	-1.07E-03
1.67E+02	-1.41E-03	-7.67E-04	-1.00E-03
1.67E+02	-1.35E-03	-7.53E-04	-8.84E-04
1.67E+02	-1.30E-03	-7.87E-04	-7.97E-04
1.67E+02	-1.22E-03	-8.26E-04	-6.92E-04
1.67E+02	-1.13E-03	-8.81E-04	-6.15E-04
1.67E+02	-1.03E-03	-9.70E-04	-6.75E-04
1.67E+02	-9.57E-04	-1.03E-03	-7.33E-04
1.67E+02	-9.06E-04	-1.05E-03	-7.50E-04
1.67E+02	-8.12E-04	-1.01E-03	-7.41E-04
1.67E+02	-7.68E-04	-9.42E-04	-6.96E-04
1.67E+02	-7.61E-04	-9.03E-04	-6.89E-04
1.67E+02	-7.22E-04	-8.51E-04	-6.42E-04
1.67E+02	-6.93E-04	-8.08E-04	-5.50E-04
1.67E+02	-6.70E-04	-7.95E-04	-5.10E-04
1.67E+02	-6.90E-04	-7.91E-04	-4.82E-04
1.67E+02	-7.38E-04	-7.84E-04	-4.81E-04
1.67E+02	-7.34E-04	-7.46E-04	-4.94E-04
1.67E+02	-7.33E-04	-6.95E-04	-4.53E-04
1.67E+02	-7.49E-04	-6.58E-04	-4.26E-04
1.67E+02	-7.43E-04	-6.03E-04	-3.68E-04
1.67E+02	-7.05E-04	-5.24E-04	-2.44E-04
1.67E+02	-6.34E-04	-4.61E-04	-1.85E-04
1.67E+02	-5.85E-04	-4.14E-04	-1.70E-04
1.67E+02	-5.42E-04	-3.73E-04	-1.66E-04
1.67E+02	-4.54E-04	-3.24E-04	-1.97E-04
1.67E+02	-3.91E-04	-2.74E-04	-2.35E-04
1.67E+02	-3.73E-04	-2.64E-04	-3.55E-04
1.67E+02	-3.39E-04	-2.59E-04	-4.84E-04
1.67E+02	-2.98E-04	-2.25E-04	-5.14E-04
1.67E+02	-2.63E-04	-2.04E-04	-5.81E-04
1.67E+02	-2.69E-04	-2.00E-04	-6.51E-04
1.67E+02	-3.11E-04	-1.94E-04	-6.51E-04
1.67E+02	-2.99E-04	-1.72E-04	-6.49E-04
1.67E+02	-2.82E-04	-1.65E-04	-6.45E-04
1.68E+02	-3.09E-04	-2.03E-04	-6.86E-04
1.68E+02	-3.01E-04	-2.41E-04	-7.31E-04
1.68E+02	-2.57E-04	-2.55E-04	-6.98E-04
1.68E+02	-1.76E-04	-2.75E-04	-6.83E-04
1.68E+02	-6.47E-05	-3.12E-04	-6.99E-04
1.68E+02	2.94E-05	-3.44E-04	-6.64E-04
1.68E+02	1.65E-04	-3.56E-04	-5.72E-04

1.68E+02	3.09E-04	-3.53E-04	-4.37E-04
1.68E+02	3.77E-04	-3.91E-04	-3.53E-04
1.68E+02	4.17E-04	-4.67E-04	-3.34E-04
1.68E+02	4.39E-04	-5.25E-04	-2.91E-04
1.68E+02	4.31E-04	-5.91E-04	-3.05E-04
1.68E+02	3.94E-04	-6.41E-04	-3.62E-04
1.68E+02	3.22E-04	-6.41E-04	-3.67E-04
1.68E+02	2.87E-04	-6.18E-04	-3.70E-04
1.68E+02	2.77E-04	-5.67E-04	-3.53E-04
1.68E+02	2.24E-04	-5.52E-04	-3.60E-04
1.68E+02	1.65E-04	-5.87E-04	-4.28E-04
1.68E+02	1.09E-04	-6.11E-04	-4.34E-04
1.68E+02	6.79E-05	-6.54E-04	-4.35E-04
1.68E+02	2.27E-05	-7.03E-04	-4.55E-04
1.68E+02	-7.92E-05	-7.23E-04	-4.28E-04
1.68E+02	-1.74E-04	-7.05E-04	-4.01E-04
1.68E+02	-2.51E-04	-6.22E-04	-3.40E-04
1.68E+02	-3.82E-04	-5.50E-04	-2.98E-04
1.68E+02	-5.33E-04	-5.14E-04	-3.05E-04
1.68E+02	-6.67E-04	-4.52E-04	-2.45E-04
1.68E+02	-7.92E-04	-4.03E-04	-1.92E-04
1.68E+02	-9.08E-04	-3.71E-04	-1.94E-04
1.68E+02	-1.05E-03	-3.24E-04	-2.01E-04
1.68E+02	-1.16E-03	-2.86E-04	-2.54E-04
1.68E+02	-1.22E-03	-2.28E-04	-3.10E-04
1.68E+02	-1.31E-03	-1.70E-04	-3.73E-04
1.68E+02	-1.39E-03	-1.47E-04	-4.93E-04
1.68E+02	-1.45E-03	-1.09E-04	-5.54E-04
1.68E+02	-1.48E-03	-6.85E-05	-5.61E-04
1.68E+02	-1.50E-03	-6.18E-05	-6.02E-04
1.68E+02	-1.54E-03	-6.48E-05	-5.91E-04
1.68E+02	-1.58E-03	-5.70E-05	-5.00E-04
1.68E+02	-1.57E-03	-1.91E-05	-3.49E-04
1.68E+02	-1.58E-03	2.33E-05	-2.12E-04
1.68E+02	-1.62E-03	2.88E-05	-2.06E-04
1.68E+02	-1.61E-03	4.83E-05	-2.03E-04
1.68E+02	-1.58E-03	8.66E-05	-1.52E-04
1.68E+02	-1.52E-03	8.41E-05	-1.47E-04
1.68E+02	-1.49E-03	6.94E-05	-1.16E-04
1.68E+02	-1.45E-03	5.49E-05	-3.41E-05
1.68E+02	-1.37E-03	3.99E-05	7.69E-05
1.68E+02	-1.31E-03	2.37E-05	1.93E-04
1.68E+02	-1.30E-03	-2.54E-05	1.90E-04
1.68E+02	-1.30E-03	-6.56E-05	8.16E-05
1.68E+02	-1.30E-03	-7.40E-05	-3.34E-05
1.68E+02	-1.28E-03	-8.35E-05	-1.69E-04
1.68E+02	-1.30E-03	-1.11E-04	-2.66E-04

1.68E+02	-1.34E-03	-1.41E-04	-2.86E-04
1.68E+02	-1.35E-03	-1.62E-04	-2.73E-04
1.68E+02	-1.40E-03	-2.08E-04	-2.11E-04
1.68E+02	-1.49E-03	-2.94E-04	-1.83E-04
1.68E+02	-1.53E-03	-3.98E-04	-1.79E-04
1.68E+02	-1.56E-03	-4.96E-04	-1.06E-04
1.68E+02	-1.55E-03	-5.77E-04	-6.52E-05
1.68E+02	-1.55E-03	-6.45E-04	-5.34E-05
1.68E+02	-1.54E-03	-6.96E-04	-4.01E-06
1.68E+02	-1.47E-03	-7.22E-04	7.21E-05
1.68E+02	-1.38E-03	-7.43E-04	1.95E-04
1.68E+02	-1.30E-03	-8.03E-04	2.87E-04
1.68E+02	-1.19E-03	-8.55E-04	3.65E-04
1.68E+02	-1.07E-03	-8.73E-04	4.90E-04
1.68E+02	-9.14E-04	-9.01E-04	5.44E-04
1.68E+02	-7.78E-04	-9.03E-04	5.52E-04
1.68E+02	-6.88E-04	-8.76E-04	5.73E-04
1.68E+02	-5.82E-04	-8.37E-04	5.65E-04
1.68E+02	-5.00E-04	-7.78E-04	5.70E-04
1.68E+02	-4.83E-04	-7.53E-04	5.32E-04
1.68E+02	-4.45E-04	-7.28E-04	4.76E-04
1.68E+02	-4.05E-04	-6.87E-04	4.83E-04
1.68E+02	-3.80E-04	-6.95E-04	4.68E-04
1.68E+02	-3.45E-04	-7.31E-04	4.69E-04
1.68E+02	-3.44E-04	-7.78E-04	4.97E-04
1.68E+02	-3.15E-04	-8.35E-04	5.03E-04
1.68E+02	-2.63E-04	-8.70E-04	5.50E-04
1.68E+02	-2.57E-04	-9.16E-04	6.04E-04
1.68E+02	-2.27E-04	-9.77E-04	6.48E-04
1.68E+02	-1.80E-04	-9.92E-04	7.40E-04
1.68E+02	-1.30E-04	-1.00E-03	7.68E-04
1.68E+02	-7.67E-05	-1.03E-03	7.24E-04
1.68E+02	-8.56E-05	-1.03E-03	7.27E-04
1.68E+02	-8.56E-05	-1.02E-03	7.44E-04
1.68E+02	-7.84E-05	-9.63E-04	7.74E-04
1.68E+02	-1.27E-04	-9.14E-04	7.75E-04
1.68E+02	-1.72E-04	-8.95E-04	7.12E-04
1.68E+02	-2.08E-04	-8.62E-04	6.85E-04
1.68E+02	-2.37E-04	-8.44E-04	6.09E-04
1.68E+02	-2.69E-04	-8.24E-04	4.66E-04
1.68E+02	-3.28E-04	-7.58E-04	3.93E-04
1.68E+02	-3.45E-04	-6.68E-04	3.16E-04
1.68E+02	-3.31E-04	-5.74E-04	2.42E-04
1.68E+02	-3.62E-04	-5.00E-04	2.32E-04
1.68E+02	-3.91E-04	-4.52E-04	2.49E-04
1.68E+02	-4.10E-04	-4.07E-04	3.75E-04
1.68E+02	-4.37E-04	-3.95E-04	5.07E-04

1.68E+02	-4.68E-04	-4.37E-04	5.47E-04
1.68E+02	-5.43E-04	-4.82E-04	6.19E-04
1.68E+02	-6.00E-04	-5.06E-04	7.03E-04
1.68E+02	-6.11E-04	-5.10E-04	8.28E-04
1.68E+02	-6.81E-04	-5.15E-04	9.74E-04
1.68E+02	-7.55E-04	-5.69E-04	1.04E-03
1.68E+02	-8.16E-04	-6.34E-04	1.12E-03
1.68E+02	-9.06E-04	-6.89E-04	1.21E-03
1.68E+02	-9.96E-04	-7.71E-04	1.19E-03
1.68E+02	-1.14E-03	-8.43E-04	1.11E-03
1.68E+02	-1.28E-03	-8.52E-04	9.84E-04
1.68E+02	-1.33E-03	-7.95E-04	8.38E-04
1.68E+02	-1.41E-03	-7.27E-04	6.79E-04
1.68E+02	-1.47E-03	-6.61E-04	5.18E-04
1.68E+02	-1.48E-03	-5.45E-04	4.78E-04
1.68E+02	-1.45E-03	-4.13E-04	5.29E-04
1.68E+02	-1.39E-03	-3.41E-04	5.46E-04
1.68E+02	-1.36E-03	-2.97E-04	5.64E-04
1.68E+02	-1.30E-03	-2.52E-04	5.85E-04
1.68E+02	-1.18E-03	-1.88E-04	6.37E-04
1.68E+02	-1.05E-03	-1.10E-04	7.44E-04
1.68E+02	-9.29E-04	-8.32E-05	8.10E-04
1.68E+02	-7.79E-04	-5.61E-05	8.74E-04
1.68E+02	-6.38E-04	-1.30E-05	9.31E-04
1.68E+02	-5.19E-04	-7.63E-06	8.92E-04
1.68E+02	-4.58E-04	-1.91E-06	8.78E-04
1.68E+02	-4.43E-04	-8.96E-06	9.05E-04
1.68E+02	-3.96E-04	-3.38E-05	9.10E-04
1.68E+02	-4.07E-04	-7.10E-05	9.07E-04
1.68E+02	-4.89E-04	-1.56E-04	8.38E-04
1.68E+02	-5.31E-04	-2.22E-04	8.02E-04
1.68E+02	-5.58E-04	-2.41E-04	8.52E-04
1.68E+02	-5.48E-04	-2.72E-04	8.67E-04
1.68E+02	-5.19E-04	-2.97E-04	8.93E-04
1.68E+02	-5.00E-04	-3.20E-04	9.24E-04
1.68E+02	-4.05E-04	-3.54E-04	9.02E-04
1.68E+02	-3.12E-04	-3.90E-04	8.78E-04
1.68E+02	-2.49E-04	-4.89E-04	7.88E-04
1.68E+02	-1.47E-04	-6.13E-04	7.01E-04
1.68E+02	-3.83E-05	-7.15E-04	7.24E-04
1.68E+02	7.99E-05	-8.43E-04	7.51E-04
1.68E+02	1.80E-04	-9.68E-04	8.00E-04
1.68E+02	2.51E-04	-1.06E-03	8.78E-04
1.68E+02	3.77E-04	-1.14E-03	9.16E-04
1.68E+02	4.89E-04	-1.20E-03	9.70E-04
1.68E+02	5.31E-04	-1.27E-03	1.01E-03
1.68E+02	5.54E-04	-1.33E-03	1.02E-03

1.68E+02	5.57E-04	-1.34E-03	1.06E-03
1.68E+02	5.54E-04	-1.34E-03	1.04E-03
1.68E+02	5.11E-04	-1.36E-03	9.52E-04
1.68E+02	4.30E-04	-1.35E-03	8.88E-04
1.68E+02	4.00E-04	-1.27E-03	8.35E-04
1.68E+02	3.76E-04	-1.17E-03	7.84E-04
1.68E+02	3.26E-04	-1.07E-03	6.76E-04
1.68E+02	3.10E-04	-9.70E-04	5.42E-04
1.68E+02	3.34E-04	-8.52E-04	5.09E-04
1.68E+02	3.90E-04	-7.53E-04	5.07E-04
1.68E+02	4.43E-04	-7.05E-04	5.40E-04
1.68E+02	4.63E-04	-6.61E-04	6.48E-04
1.68E+02	5.17E-04	-6.32E-04	7.38E-04
1.68E+02	5.82E-04	-6.15E-04	8.38E-04
1.68E+02	6.08E-04	-6.15E-04	8.71E-04
1.68E+02	6.35E-04	-6.45E-04	7.83E-04
1.68E+02	6.59E-04	-6.53E-04	6.92E-04
1.68E+02	6.87E-04	-6.75E-04	5.43E-04
1.68E+02	6.86E-04	-7.38E-04	3.29E-04
1.68E+02	6.26E-04	-7.71E-04	1.80E-04
1.68E+02	5.73E-04	-7.89E-04	8.62E-05
1.68E+02	5.23E-04	-7.82E-04	6.85E-05
1.68E+02	4.21E-04	-7.65E-04	6.24E-05
1.68E+02	3.07E-04	-7.97E-04	-2.50E-05
1.68E+02	2.21E-04	-7.96E-04	-5.40E-05
1.68E+02	1.50E-04	-7.67E-04	-5.89E-05
1.68E+02	6.79E-05	-7.64E-04	-1.30E-04
1.68E+02	-3.72E-05	-7.53E-04	-1.71E-04
1.68E+02	-9.69E-05	-7.44E-04	-2.22E-04
1.68E+02	-9.84E-05	-7.39E-04	-2.64E-04
1.68E+02	-1.00E-04	-7.47E-04	-2.60E-04
1.68E+02	-7.51E-05	-7.87E-04	-2.70E-04
1.68E+02	3.81E-07	-7.96E-04	-2.06E-04
1.68E+02	1.15E-04	-7.73E-04	-1.33E-04
1.68E+02	2.42E-04	-7.57E-04	-1.54E-04
1.68E+02	3.35E-04	-7.11E-04	-1.69E-04
1.68E+02	4.32E-04	-6.20E-04	-1.99E-04
1.68E+02	5.53E-04	-4.94E-04	-2.34E-04
1.68E+02	6.19E-04	-3.79E-04	-2.71E-04
1.68E+02	6.50E-04	-3.18E-04	-3.84E-04
1.68E+02	6.92E-04	-2.63E-04	-4.81E-04
1.68E+02	7.30E-04	-2.22E-04	-5.49E-04
1.68E+02	7.54E-04	-2.28E-04	-6.52E-04
1.68E+02	7.25E-04	-2.45E-04	-7.46E-04
1.68E+02	6.77E-04	-2.51E-04	-8.41E-04
1.68E+02	6.67E-04	-2.36E-04	-9.38E-04
1.68E+02	6.26E-04	-1.91E-04	-9.98E-04

1.68E+02	5.60E-04	-1.28E-04	-1.05E-03
1.68E+02	5.22E-04	-4.06E-05	-1.03E-03
1.68E+02	5.00E-04	7.44E-05	-9.37E-04
1.68E+02	5.01E-04	1.75E-04	-8.73E-04
1.68E+02	4.76E-04	2.54E-04	-7.78E-04
1.69E+02	4.39E-04	3.27E-04	-6.57E-04
1.69E+02	4.50E-04	4.07E-04	-5.36E-04
1.69E+02	4.32E-04	4.79E-04	-4.12E-04
1.69E+02	3.87E-04	5.05E-04	-3.69E-04
1.69E+02	3.63E-04	5.10E-04	-3.27E-04
1.69E+02	3.46E-04	5.20E-04	-2.72E-04
1.69E+02	3.40E-04	4.93E-04	-3.10E-04
1.69E+02	3.06E-04	4.34E-04	-3.74E-04
1.69E+02	2.78E-04	3.72E-04	-4.18E-04
1.69E+02	3.35E-04	3.01E-04	-4.44E-04
1.69E+02	3.93E-04	2.12E-04	-4.44E-04
1.69E+02	4.42E-04	1.17E-04	-4.56E-04
1.69E+02	5.34E-04	4.10E-05	-4.00E-04
1.69E+02	6.23E-04	-2.10E-05	-2.69E-04
1.69E+02	7.15E-04	-8.74E-05	-1.78E-04
1.69E+02	7.79E-04	-1.56E-04	-9.56E-05
1.69E+02	8.05E-04	-2.12E-04	-3.34E-05
1.69E+02	8.62E-04	-2.46E-04	-3.47E-05
1.69E+02	9.06E-04	-2.68E-04	-3.38E-05
1.69E+02	9.34E-04	-2.95E-04	-8.98E-05
1.69E+02	1.00E-03	-3.07E-04	-1.63E-04
1.69E+02	1.09E-03	-2.79E-04	-1.51E-04
1.69E+02	1.19E-03	-2.43E-04	-1.54E-04
1.69E+02	1.26E-03	-2.23E-04	-1.73E-04
1.69E+02	1.28E-03	-2.00E-04	-1.44E-04
1.69E+02	1.34E-03	-1.76E-04	-1.01E-04
1.69E+02	1.40E-03	-1.55E-04	-2.10E-05
1.69E+02	1.43E-03	-1.33E-04	4.18E-05
1.69E+02	1.48E-03	-1.23E-04	3.51E-05
1.69E+02	1.54E-03	-8.87E-05	5.07E-05
1.69E+02	1.67E-03	-4.62E-05	3.78E-05
1.69E+02	1.81E-03	-4.58E-05	-3.26E-05
1.69E+02	1.91E-03	-6.52E-05	-7.00E-05
1.69E+02	2.03E-03	-1.06E-04	-9.96E-05
1.69E+02	2.15E-03	-1.71E-04	-1.17E-04
1.69E+02	2.21E-03	-2.78E-04	-1.76E-04
1.69E+02	2.25E-03	-4.34E-04	-2.98E-04
1.69E+02	2.28E-03	-5.79E-04	-3.54E-04
1.69E+02	2.29E-03	-7.17E-04	-3.79E-04
1.69E+02	2.25E-03	-8.62E-04	-4.00E-04
1.69E+02	2.14E-03	-9.91E-04	-3.74E-04
1.69E+02	2.06E-03	-1.09E-03	-3.57E-04

1.69E+02	2.01E-03	-1.17E-03	-2.95E-04
1.69E+02	1.93E-03	-1.24E-03	-1.95E-04
1.69E+02	1.86E-03	-1.31E-03	-1.50E-04
1.69E+02	1.82E-03	-1.34E-03	-9.10E-05
1.69E+02	1.82E-03	-1.32E-03	-5.80E-05
1.69E+02	1.82E-03	-1.27E-03	-7.53E-05
1.69E+02	1.79E-03	-1.19E-03	-6.90E-05
1.69E+02	1.79E-03	-1.09E-03	-7.13E-05
1.69E+02	1.81E-03	-9.65E-04	-3.51E-05
1.69E+02	1.79E-03	-8.79E-04	-7.63E-07
1.69E+02	1.73E-03	-8.64E-04	-4.29E-05
1.69E+02	1.68E-03	-8.67E-04	-5.65E-05
1.69E+02	1.63E-03	-8.81E-04	-6.66E-05
1.69E+02	1.55E-03	-9.34E-04	-1.20E-04
1.69E+02	1.42E-03	-9.80E-04	-1.46E-04
1.69E+02	1.30E-03	-1.01E-03	-1.63E-04
1.69E+02	1.22E-03	-1.01E-03	-1.67E-04
1.69E+02	1.12E-03	-9.97E-04	-1.48E-04
1.69E+02	1.02E-03	-1.01E-03	-1.58E-04
1.69E+02	9.61E-04	-1.01E-03	-1.11E-04
1.69E+02	9.41E-04	-9.87E-04	-1.01E-05
1.69E+02	9.28E-04	-1.01E-03	2.63E-05
1.69E+02	8.80E-04	-1.04E-03	3.13E-05
1.69E+02	8.27E-04	-1.06E-03	2.35E-05
1.69E+02	8.11E-04	-1.06E-03	2.10E-05
1.69E+02	7.56E-04	-1.05E-03	4.10E-05
1.69E+02	6.54E-04	-1.04E-03	1.09E-05
1.69E+02	5.72E-04	-1.00E-03	-9.73E-06
1.69E+02	5.02E-04	-9.31E-04	-1.53E-06
1.69E+02	4.37E-04	-8.67E-04	-4.41E-05
1.69E+02	3.52E-04	-8.17E-04	-7.13E-05
1.69E+02	2.72E-04	-7.82E-04	-7.17E-05
1.69E+02	2.74E-04	-7.55E-04	-5.97E-05
1.69E+02	2.79E-04	-7.45E-04	-4.96E-06
1.69E+02	2.81E-04	-7.67E-04	2.31E-05
1.69E+02	3.47E-04	-7.72E-04	5.34E-05
1.69E+02	4.29E-04	-7.64E-04	9.29E-05
1.69E+02	5.31E-04	-7.50E-04	6.45E-05
1.69E+02	6.19E-04	-7.13E-04	5.05E-05
1.69E+02	6.78E-04	-6.52E-04	7.99E-05
1.69E+02	7.73E-04	-5.47E-04	1.16E-04
1.69E+02	8.22E-04	-4.24E-04	1.53E-04
1.69E+02	7.97E-04	-3.45E-04	1.05E-04
1.69E+02	7.64E-04	-2.89E-04	3.51E-05
1.69E+02	7.38E-04	-2.17E-04	5.34E-05
1.69E+02	7.11E-04	-1.69E-04	6.60E-05
1.69E+02	6.46E-04	-1.48E-04	5.36E-05

1.69E+02	5.62E-04	-1.24E-04	5.51E-05
1.69E+02	5.25E-04	-1.06E-04	6.05E-05
1.69E+02	5.01E-04	-9.27E-05	1.25E-04
1.69E+02	4.62E-04	-1.12E-04	1.79E-04
1.69E+02	4.42E-04	-1.61E-04	1.82E-04
1.69E+02	4.42E-04	-1.98E-04	1.85E-04
1.69E+02	4.63E-04	-2.43E-04	1.26E-04
1.69E+02	4.76E-04	-3.01E-04	3.95E-05
1.69E+02	4.75E-04	-3.43E-04	9.54E-06
1.69E+02	5.30E-04	-3.48E-04	3.87E-05
1.69E+02	5.75E-04	-3.47E-04	9.71E-05
1.69E+02	5.60E-04	-3.87E-04	1.21E-04
1.69E+02	5.63E-04	-4.44E-04	1.52E-04
1.69E+02	5.92E-04	-4.81E-04	2.67E-04
1.69E+02	6.24E-04	-5.17E-04	3.72E-04
1.69E+02	6.34E-04	-5.75E-04	4.00E-04
1.69E+02	6.13E-04	-6.18E-04	4.03E-04
1.69E+02	6.23E-04	-6.23E-04	3.87E-04
1.69E+02	6.69E-04	-5.93E-04	3.45E-04
1.69E+02	6.86E-04	-5.51E-04	2.40E-04
1.69E+02	7.07E-04	-5.18E-04	1.03E-04
1.69E+02	7.62E-04	-4.69E-04	6.71E-05
1.69E+02	8.21E-04	-4.43E-04	7.40E-05
1.69E+02	8.57E-04	-4.71E-04	6.01E-05
1.69E+02	8.47E-04	-5.13E-04	6.64E-05
1.69E+02	8.58E-04	-5.41E-04	7.86E-05
1.69E+02	8.76E-04	-5.35E-04	1.24E-04
1.69E+02	8.43E-04	-4.99E-04	1.53E-04
1.69E+02	8.13E-04	-4.49E-04	1.30E-04
1.69E+02	8.12E-04	-3.46E-04	1.62E-04
1.69E+02	8.42E-04	-2.12E-04	1.97E-04
1.69E+02	8.71E-04	-1.20E-04	1.95E-04
1.69E+02	8.65E-04	-3.24E-05	2.49E-04
1.69E+02	8.71E-04	3.40E-05	3.26E-04
1.69E+02	8.99E-04	6.22E-05	4.11E-04
1.69E+02	8.88E-04	6.20E-05	4.96E-04
1.69E+02	8.32E-04	4.96E-06	5.38E-04
1.69E+02	7.76E-04	-4.25E-05	5.89E-04
1.69E+02	7.15E-04	-7.90E-05	5.94E-04
1.69E+02	6.36E-04	-1.21E-04	5.54E-04
1.69E+02	5.53E-04	-1.46E-04	5.67E-04
1.69E+02	4.78E-04	-2.08E-04	5.97E-04
1.69E+02	4.31E-04	-2.66E-04	6.51E-04
1.69E+02	3.52E-04	-3.20E-04	7.14E-04
1.69E+02	2.50E-04	-4.20E-04	7.21E-04
1.69E+02	1.83E-04	-4.92E-04	7.42E-04
1.69E+02	1.26E-04	-5.26E-04	7.72E-04

1.69E+02	6.31E-05	-5.58E-04	7.46E-04
1.69E+02	-3.66E-05	-5.50E-04	7.16E-04
1.69E+02	-1.40E-04	-4.92E-04	6.98E-04
1.69E+02	-1.99E-04	-3.89E-04	7.06E-04
1.69E+02	-2.76E-04	-2.60E-04	7.62E-04
1.69E+02	-3.68E-04	-1.37E-04	8.06E-04
1.69E+02	-4.29E-04	-8.58E-06	8.49E-04
1.69E+02	-4.58E-04	1.31E-04	8.58E-04
1.69E+02	-4.66E-04	2.42E-04	7.64E-04
1.69E+02	-4.94E-04	3.19E-04	6.28E-04
1.69E+02	-5.10E-04	4.16E-04	5.29E-04
1.69E+02	-4.70E-04	5.45E-04	4.94E-04
1.69E+02	-4.47E-04	6.51E-04	4.76E-04
1.69E+02	-4.76E-04	7.14E-04	4.27E-04
1.69E+02	-5.05E-04	7.77E-04	4.06E-04
1.69E+02	-5.07E-04	8.47E-04	4.19E-04
1.69E+02	-5.04E-04	8.96E-04	4.12E-04
1.69E+02	-5.29E-04	9.41E-04	3.99E-04
1.69E+02	-5.47E-04	9.89E-04	3.67E-04
1.69E+02	-5.05E-04	1.05E-03	3.12E-04
1.69E+02	-4.48E-04	1.10E-03	2.49E-04
1.69E+02	-3.99E-04	1.10E-03	1.41E-04
1.69E+02	-3.19E-04	1.08E-03	6.37E-05
1.69E+02	-1.99E-04	1.06E-03	6.92E-05
1.69E+02	-5.78E-05	1.01E-03	9.33E-05
1.69E+02	6.18E-05	9.18E-04	1.30E-04
1.69E+02	1.64E-04	8.27E-04	1.68E-04
1.69E+02	2.75E-04	7.59E-04	1.86E-04
1.69E+02	3.48E-04	6.81E-04	1.86E-04
1.69E+02	3.68E-04	5.97E-04	1.30E-04
1.69E+02	3.51E-04	4.90E-04	4.48E-05
1.69E+02	3.51E-04	4.01E-04	-2.29E-06
1.69E+02	3.66E-04	3.33E-04	-4.27E-05
1.69E+02	3.12E-04	2.19E-04	-9.90E-05
1.69E+02	2.33E-04	1.09E-04	-1.18E-04
1.69E+02	1.95E-04	2.57E-05	-1.23E-04
1.69E+02	1.61E-04	-3.30E-05	-1.51E-04
1.69E+02	9.86E-05	-6.41E-05	-2.27E-04
1.69E+02	3.53E-05	-7.25E-05	-3.21E-04
1.69E+02	6.29E-06	-1.62E-05	-3.15E-04
1.69E+02	1.91E-06	6.28E-05	-2.83E-04
1.69E+02	-2.86E-06	1.17E-04	-2.95E-04
1.69E+02	-9.92E-06	1.69E-04	-2.81E-04
1.69E+02	2.42E-05	2.23E-04	-2.63E-04
1.69E+02	9.98E-05	2.88E-04	-2.34E-04
1.69E+02	1.57E-04	3.32E-04	-2.16E-04
1.69E+02	2.08E-04	3.51E-04	-2.07E-04

1.69E+02	2.94E-04	4.05E-04	-1.22E-04
1.69E+02	3.68E-04	4.37E-04	-6.43E-05
1.69E+02	3.92E-04	4.25E-04	-6.24E-05
1.69E+02	3.75E-04	4.18E-04	-4.06E-05
1.69E+02	3.68E-04	4.06E-04	-2.29E-05
1.69E+02	3.75E-04	4.02E-04	1.87E-05
1.69E+02	3.34E-04	3.73E-04	5.78E-05
1.69E+02	2.68E-04	3.19E-04	6.35E-05
1.69E+02	2.13E-04	2.94E-04	9.90E-05
1.69E+02	1.64E-04	2.61E-04	1.34E-04
1.69E+02	8.60E-05	2.18E-04	1.10E-04
1.69E+02	-4.01E-05	1.76E-04	4.67E-05
1.69E+02	-1.52E-04	1.43E-04	-2.23E-05
1.69E+02	-2.51E-04	1.72E-04	-5.61E-05
1.69E+02	-3.65E-04	2.11E-04	-6.47E-05
1.69E+02	-4.70E-04	2.29E-04	-6.69E-05
1.69E+02	-5.46E-04	2.79E-04	1.13E-05
1.70E+02	-5.86E-04	3.32E-04	1.33E-04
1.70E+02	-6.27E-04	3.64E-04	2.07E-04
1.70E+02	-6.99E-04	4.04E-04	2.70E-04
1.70E+02	-7.48E-04	4.72E-04	2.89E-04
1.70E+02	-7.46E-04	5.86E-04	2.52E-04
1.70E+02	-7.53E-04	7.29E-04	1.84E-04
1.70E+02	-7.65E-04	8.81E-04	5.26E-05
1.70E+02	-7.41E-04	1.07E-03	-2.65E-05
1.70E+02	-6.80E-04	1.28E-03	-1.03E-05
1.70E+02	-6.15E-04	1.46E-03	8.58E-06
1.70E+02	-5.99E-04	1.59E-03	2.61E-05
1.70E+02	-5.88E-04	1.68E-03	2.10E-05
1.70E+02	-5.56E-04	1.78E-03	2.48E-06
1.70E+02	-5.69E-04	1.85E-03	-4.25E-05
1.70E+02	-6.04E-04	1.89E-03	-1.55E-04
1.70E+02	-6.24E-04	1.94E-03	-2.07E-04
1.70E+02	-6.31E-04	1.99E-03	-1.65E-04
1.70E+02	-6.40E-04	2.01E-03	-1.42E-04
1.70E+02	-7.04E-04	2.00E-03	-1.29E-04
1.70E+02	-7.80E-04	1.97E-03	-1.32E-04
1.70E+02	-8.08E-04	1.95E-03	-1.63E-04
1.70E+02	-8.49E-04	1.93E-03	-1.96E-04
1.70E+02	-9.09E-04	1.87E-03	-2.84E-04
1.70E+02	-9.26E-04	1.80E-03	-3.60E-04
1.70E+02	-9.01E-04	1.76E-03	-3.60E-04
1.70E+02	-8.52E-04	1.70E-03	-3.89E-04
1.70E+02	-8.07E-04	1.61E-03	-3.95E-04
1.70E+02	-7.60E-04	1.52E-03	-3.17E-04
1.70E+02	-6.69E-04	1.43E-03	-2.09E-04
1.70E+02	-5.90E-04	1.36E-03	-9.08E-05

1.70E+02	-5.52E-04	1.28E-03	-5.36E-05
1.70E+02	-5.12E-04	1.19E-03	-4.77E-05
1.70E+02	-4.66E-04	1.14E-03	2.35E-05
1.70E+02	-4.46E-04	1.11E-03	5.34E-05
1.70E+02	-4.78E-04	1.07E-03	7.48E-05
1.70E+02	-5.17E-04	1.06E-03	1.34E-04
1.70E+02	-5.37E-04	1.05E-03	1.53E-04
1.70E+02	-5.70E-04	1.05E-03	1.70E-04
1.70E+02	-6.29E-04	1.03E-03	1.33E-04
1.70E+02	-6.80E-04	1.02E-03	3.60E-05
1.70E+02	-7.20E-04	1.06E-03	-2.99E-05
1.70E+02	-7.50E-04	1.12E-03	-1.34E-04
1.70E+02	-7.86E-04	1.16E-03	-2.48E-04
1.70E+02	-8.44E-04	1.22E-03	-3.17E-04
1.70E+02	-8.50E-04	1.28E-03	-3.72E-04
1.70E+02	-8.28E-04	1.35E-03	-3.77E-04
1.70E+02	-8.32E-04	1.38E-03	-4.10E-04
1.70E+02	-7.93E-04	1.39E-03	-4.54E-04
1.70E+02	-6.92E-04	1.45E-03	-3.88E-04
1.70E+02	-5.60E-04	1.49E-03	-3.13E-04
1.70E+02	-4.41E-04	1.52E-03	-2.70E-04
1.70E+02	-3.49E-04	1.54E-03	-2.25E-04
1.70E+02	-2.23E-04	1.57E-03	-1.79E-04
1.70E+02	-9.54E-05	1.61E-03	-8.20E-05
1.70E+02	-2.56E-05	1.60E-03	-1.20E-05
1.70E+02	2.63E-05	1.56E-03	-1.51E-05
1.70E+02	7.95E-05	1.55E-03	-2.75E-05
1.70E+02	1.42E-04	1.56E-03	-8.62E-05
1.70E+02	1.82E-04	1.55E-03	-1.87E-04
1.70E+02	1.67E-04	1.55E-03	-2.44E-04
1.70E+02	1.70E-04	1.56E-03	-2.37E-04
1.70E+02	1.65E-04	1.55E-03	-2.18E-04
1.70E+02	8.18E-05	1.49E-03	-2.81E-04
1.70E+02	-4.20E-06	1.37E-03	-4.29E-04
1.70E+02	-6.35E-05	1.24E-03	-5.24E-04
1.70E+02	-1.11E-04	1.12E-03	-5.99E-04
1.70E+02	-1.41E-04	9.84E-04	-7.19E-04
1.70E+02	-1.96E-04	8.87E-04	-7.73E-04
1.70E+02	-2.15E-04	8.37E-04	-7.58E-04
1.70E+02	-1.66E-04	8.25E-04	-6.98E-04
1.70E+02	-1.55E-04	8.20E-04	-6.39E-04
1.70E+02	-1.59E-04	7.79E-04	-6.56E-04
1.70E+02	-1.40E-04	7.51E-04	-6.57E-04
1.70E+02	-1.33E-04	7.27E-04	-6.78E-04
1.70E+02	-1.33E-04	6.78E-04	-7.91E-04
1.70E+02	-1.54E-04	6.56E-04	-8.48E-04
1.70E+02	-1.65E-04	6.64E-04	-8.26E-04

1.70E+02	-1.44E-04	6.87E-04	-7.54E-04
1.70E+02	-1.63E-04	6.95E-04	-6.51E-04
1.70E+02	-1.90E-04	6.61E-04	-5.92E-04
1.70E+02	-1.94E-04	6.36E-04	-4.64E-04
1.70E+02	-1.94E-04	6.22E-04	-2.90E-04
1.70E+02	-1.85E-04	5.90E-04	-2.22E-04
1.70E+02	-2.14E-04	5.52E-04	-1.85E-04
1.70E+02	-2.34E-04	5.33E-04	-1.83E-04
1.70E+02	-2.15E-04	5.33E-04	-2.18E-04
1.70E+02	-2.38E-04	5.08E-04	-2.24E-04
1.70E+02	-2.94E-04	4.42E-04	-2.68E-04
1.70E+02	-3.62E-04	3.78E-04	-2.73E-04
1.70E+02	-4.26E-04	3.30E-04	-2.34E-04
1.70E+02	-4.85E-04	2.61E-04	-3.07E-04
1.70E+02	-5.81E-04	1.94E-04	-4.06E-04
1.70E+02	-6.72E-04	1.72E-04	-4.87E-04
1.70E+02	-7.21E-04	2.03E-04	-5.76E-04
1.70E+02	-7.74E-04	2.77E-04	-6.28E-04
1.70E+02	-8.43E-04	3.38E-04	-6.94E-04
1.70E+02	-8.72E-04	4.10E-04	-6.78E-04
1.70E+02	-8.46E-04	5.00E-04	-5.58E-04
1.70E+02	-7.93E-04	5.25E-04	-4.94E-04
1.70E+02	-7.36E-04	5.25E-04	-4.42E-04
1.70E+02	-6.83E-04	5.15E-04	-4.08E-04
1.70E+02	-5.68E-04	5.08E-04	-3.93E-04
1.70E+02	-4.34E-04	5.37E-04	-3.32E-04
1.70E+02	-3.54E-04	5.49E-04	-3.24E-04
1.70E+02	-2.72E-04	5.70E-04	-3.11E-04
1.70E+02	-1.98E-04	6.22E-04	-2.09E-04
1.70E+02	-1.41E-04	6.54E-04	-1.38E-04
1.70E+02	-1.25E-04	6.69E-04	-7.27E-05
1.70E+02	-1.57E-04	6.98E-04	3.62E-06
1.70E+02	-1.45E-04	7.60E-04	6.24E-05
1.70E+02	-1.25E-04	8.44E-04	1.58E-04
1.70E+02	-1.37E-04	9.08E-04	1.87E-04
1.70E+02	-1.14E-04	9.54E-04	1.43E-04
1.70E+02	-6.90E-05	9.98E-04	1.17E-04
1.70E+02	-1.89E-05	1.02E-03	2.82E-05
1.70E+02	2.33E-05	1.01E-03	-6.60E-05
1.70E+02	3.57E-05	1.01E-03	-7.34E-05
1.70E+02	1.01E-04	1.03E-03	-5.28E-05
1.70E+02	1.74E-04	1.07E-03	-1.51E-05
1.70E+02	1.82E-04	1.07E-03	-1.43E-05
1.70E+02	2.25E-04	1.07E-03	-4.10E-05
1.70E+02	2.93E-04	1.08E-03	6.48E-06
1.70E+02	3.62E-04	1.06E-03	2.59E-05
1.70E+02	4.24E-04	1.01E-03	-1.22E-05

1.70E+02	4.55E-04	9.41E-04	1.91E-07
1.70E+02	5.26E-04	8.92E-04	4.83E-05
1.70E+02	5.98E-04	8.53E-04	1.24E-04
1.70E+02	6.11E-04	7.79E-04	1.15E-04
1.70E+02	6.24E-04	6.95E-04	6.48E-06
1.70E+02	6.41E-04	6.54E-04	-7.25E-06
1.70E+02	6.53E-04	6.29E-04	1.26E-05
1.70E+02	6.41E-04	6.00E-04	2.08E-05
1.70E+02	5.90E-04	5.85E-04	8.96E-05
1.70E+02	5.54E-04	5.61E-04	1.49E-04
1.70E+02	5.40E-04	5.06E-04	2.45E-04
1.70E+02	5.04E-04	4.12E-04	3.71E-04
1.70E+02	4.88E-04	2.87E-04	4.49E-04
1.70E+02	5.28E-04	2.03E-04	5.77E-04
1.70E+02	5.93E-04	1.40E-04	6.49E-04
1.70E+02	6.68E-04	5.91E-05	6.00E-04
1.70E+02	7.31E-04	1.22E-05	5.84E-04
1.70E+02	7.82E-04	-9.54E-06	5.54E-04
1.70E+02	8.52E-04	4.39E-06	5.33E-04
1.70E+02	8.76E-04	2.71E-05	5.09E-04
1.70E+02	8.48E-04	-5.91E-06	3.94E-04
1.70E+02	8.40E-04	-1.75E-05	3.58E-04
1.70E+02	8.43E-04	5.34E-06	3.65E-04
1.70E+02	8.49E-04	1.53E-05	3.17E-04
1.70E+02	8.30E-04	3.74E-05	3.03E-04
1.70E+02	8.21E-04	5.86E-05	2.78E-04
1.70E+02	8.68E-04	6.29E-05	2.73E-04
1.70E+02	8.89E-04	5.57E-05	3.04E-04
1.70E+02	8.94E-04	1.58E-05	3.01E-04
1.70E+02	9.08E-04	-3.15E-05	3.50E-04
1.70E+02	9.09E-04	-7.08E-05	3.97E-04
1.70E+02	9.07E-04	-1.36E-04	3.44E-04
1.70E+02	8.53E-04	-1.95E-04	3.06E-04
1.70E+02	8.10E-04	-2.00E-04	3.26E-04
1.70E+02	8.07E-04	-1.69E-04	3.93E-04
1.70E+02	7.59E-04	-1.32E-04	4.74E-04
1.70E+02	7.17E-04	-1.02E-04	5.02E-04
1.70E+02	7.25E-04	-4.27E-05	5.51E-04
1.70E+02	7.85E-04	6.77E-05	6.43E-04
1.70E+02	8.86E-04	1.86E-04	6.95E-04
1.70E+02	9.74E-04	3.13E-04	7.30E-04
1.70E+02	1.09E-03	4.60E-04	7.63E-04
1.70E+02	1.27E-03	6.06E-04	7.94E-04
1.70E+02	1.43E-03	7.19E-04	8.33E-04
1.70E+02	1.57E-03	7.60E-04	8.01E-04
1.70E+02	1.69E-03	7.60E-04	7.53E-04
1.70E+02	1.80E-03	7.41E-04	7.70E-04

1.70E+02	1.90E-03	6.67E-04	7.58E-04
1.70E+02	1.95E-03	5.69E-04	7.12E-04
1.70E+02	1.96E-03	4.69E-04	6.70E-04
1.70E+02	1.99E-03	3.97E-04	6.22E-04
1.70E+02	1.97E-03	3.60E-04	5.65E-04
1.70E+02	1.90E-03	3.14E-04	4.47E-04
1.70E+02	1.84E-03	3.01E-04	3.46E-04
1.70E+02	1.81E-03	3.43E-04	3.54E-04
1.70E+02	1.77E-03	3.80E-04	3.85E-04
1.70E+02	1.69E-03	3.92E-04	4.11E-04
1.70E+02	1.57E-03	3.77E-04	4.53E-04
1.70E+02	1.51E-03	3.41E-04	5.07E-04
1.70E+02	1.45E-03	2.89E-04	5.91E-04
1.70E+02	1.34E-03	2.03E-04	6.82E-04
1.70E+02	1.26E-03	1.11E-04	8.05E-04
1.70E+02	1.22E-03	6.03E-05	9.76E-04
1.70E+02	1.17E-03	6.87E-06	1.05E-03
1.70E+02	1.10E-03	-6.64E-05	1.03E-03
1.70E+02	1.01E-03	-1.25E-04	1.01E-03
1.70E+02	9.40E-04	-1.67E-04	9.66E-04
1.70E+02	8.74E-04	-1.95E-04	9.30E-04
1.70E+02	7.80E-04	-2.32E-04	8.46E-04
1.70E+02	7.21E-04	-2.74E-04	7.07E-04
1.70E+02	7.11E-04	-2.56E-04	6.41E-04
1.70E+02	7.43E-04	-2.03E-04	6.00E-04
1.70E+02	7.71E-04	-1.82E-04	5.04E-04
1.70E+02	7.97E-04	-1.44E-04	4.16E-04
1.70E+02	8.88E-04	-8.93E-05	3.25E-04
1.70E+02	9.82E-04	-6.03E-05	2.24E-04
1.71E+02	1.04E-03	-4.60E-05	1.49E-04
1.71E+02	1.09E-03	-5.65E-05	8.83E-05
1.71E+02	1.14E-03	-5.51E-05	1.35E-04
1.71E+02	1.20E-03	-6.01E-05	2.20E-04
1.71E+02	1.22E-03	-1.09E-04	2.70E-04
1.71E+02	1.17E-03	-1.38E-04	3.64E-04
1.71E+02	1.14E-03	-1.28E-04	4.42E-04
1.71E+02	1.10E-03	-6.48E-05	5.22E-04
1.71E+02	9.98E-04	1.79E-05	5.63E-04
1.71E+02	8.79E-04	7.51E-05	4.99E-04
1.71E+02	7.78E-04	1.56E-04	4.42E-04
1.71E+02	6.89E-04	2.31E-04	3.37E-04
1.71E+02	6.00E-04	2.69E-04	1.75E-04
1.71E+02	4.88E-04	3.04E-04	4.52E-05
1.71E+02	4.17E-04	3.17E-04	-7.04E-05
1.71E+02	3.84E-04	3.16E-04	-1.54E-04
1.71E+02	3.13E-04	3.02E-04	-2.17E-04
1.71E+02	2.37E-04	2.55E-04	-2.83E-04

1.71E+02	1.75E-04	2.12E-04	-2.80E-04
1.71E+02	1.36E-04	1.79E-04	-2.11E-04
1.71E+02	1.01E-04	1.12E-04	-1.89E-04
1.71E+02	2.73E-05	3.87E-05	-1.96E-04
1.71E+02	-4.58E-06	-1.14E-06	-1.58E-04
1.71E+02	1.28E-05	-6.68E-06	-5.55E-05
1.71E+02	1.14E-06	-9.54E-07	8.07E-05
1.71E+02	-2.38E-05	-2.06E-05	1.28E-04
1.71E+02	-3.91E-05	-3.81E-05	1.20E-04
1.71E+02	-4.31E-05	-5.05E-05	1.06E-04
1.71E+02	-4.69E-05	-8.66E-05	3.93E-05
1.71E+02	-8.16E-05	-1.16E-04	-4.01E-06
1.71E+02	-1.02E-04	-1.26E-04	-9.92E-06
1.71E+02	-8.20E-05	-1.11E-04	-4.20E-06
1.71E+02	-9.56E-05	-8.54E-05	1.34E-05
1.71E+02	-1.45E-04	-9.08E-05	-3.22E-05
1.71E+02	-1.99E-04	-8.34E-05	-7.74E-05
1.71E+02	-2.56E-04	-5.05E-05	-9.54E-05
1.71E+02	-3.18E-04	-4.01E-05	-1.75E-04
1.71E+02	-4.20E-04	-2.65E-05	-2.23E-04
1.71E+02	-5.35E-04	9.73E-06	-2.45E-04
1.71E+02	-6.11E-04	6.56E-05	-3.14E-04
1.71E+02	-7.02E-04	1.27E-04	-3.73E-04
1.71E+02	-8.10E-04	1.40E-04	-4.35E-04
1.71E+02	-8.84E-04	1.36E-04	-4.24E-04
1.71E+02	-9.31E-04	1.44E-04	-3.16E-04
1.71E+02	-9.49E-04	1.19E-04	-2.79E-04
1.71E+02	-9.82E-04	8.22E-05	-3.08E-04
1.71E+02	-1.02E-03	5.00E-05	-3.55E-04
1.71E+02	-1.00E-03	6.29E-06	-4.31E-04
1.71E+02	-9.86E-04	-3.89E-05	-5.05E-04
1.71E+02	-1.00E-03	-1.02E-04	-6.23E-04
1.71E+02	-1.00E-03	-1.59E-04	-7.37E-04
1.71E+02	-9.89E-04	-1.81E-04	-7.52E-04
1.71E+02	-9.67E-04	-2.04E-04	-7.67E-04
1.71E+02	-9.77E-04	-2.24E-04	-7.74E-04
1.71E+02	-1.03E-03	-2.17E-04	-7.31E-04
1.71E+02	-1.07E-03	-1.67E-04	-6.83E-04
1.71E+02	-1.14E-03	-8.03E-05	-6.20E-04
1.71E+02	-1.25E-03	-1.91E-07	-6.15E-04
1.71E+02	-1.36E-03	8.74E-05	-6.20E-04
1.71E+02	-1.44E-03	2.14E-04	-5.26E-04
1.71E+02	-1.50E-03	3.17E-04	-4.32E-04
1.71E+02	-1.55E-03	3.70E-04	-3.43E-04
1.71E+02	-1.61E-03	4.23E-04	-2.12E-04
1.71E+02	-1.58E-03	4.71E-04	-1.08E-04
1.71E+02	-1.50E-03	5.07E-04	-1.56E-05

1.71E+02	-1.43E-03	5.12E-04	4.98E-05
1.71E+02	-1.32E-03	4.83E-04	4.63E-05
1.71E+02	-1.18E-03	4.66E-04	5.05E-05
1.71E+02	-1.04E-03	4.09E-04	7.63E-06
1.71E+02	-9.22E-04	3.16E-04	-5.82E-05
1.71E+02	-8.46E-04	2.31E-04	-4.52E-05
1.71E+02	-7.69E-04	1.40E-04	-4.12E-05
1.71E+02	-7.22E-04	7.04E-05	-3.20E-05
1.71E+02	-7.39E-04	-7.82E-06	-7.46E-05
1.71E+02	-7.65E-04	-9.16E-05	-1.85E-04
1.71E+02	-7.80E-04	-1.19E-04	-1.90E-04
1.71E+02	-8.05E-04	-1.36E-04	-1.88E-04
1.71E+02	-8.66E-04	-1.71E-04	-2.42E-04
1.71E+02	-9.66E-04	-1.87E-04	-2.40E-04
1.71E+02	-1.03E-03	-1.90E-04	-1.94E-04
1.71E+02	-1.06E-03	-1.98E-04	-9.88E-05
1.71E+02	-1.12E-03	-2.35E-04	-2.40E-05
1.71E+02	-1.15E-03	-3.00E-04	-3.07E-05
1.71E+02	-1.15E-03	-3.36E-04	-2.48E-06
1.71E+02	-1.10E-03	-3.47E-04	8.96E-06
1.71E+02	-1.04E-03	-3.56E-04	-5.55E-05
1.71E+02	-9.93E-04	-3.41E-04	-7.15E-05
1.71E+02	-9.21E-04	-3.03E-04	-4.94E-05
1.71E+02	-8.10E-04	-2.64E-04	-1.62E-05
1.71E+02	-7.49E-04	-2.66E-04	-1.01E-05
1.71E+02	-7.00E-04	-3.06E-04	-1.11E-04
1.71E+02	-6.25E-04	-3.15E-04	-1.87E-04
1.71E+02	-5.41E-04	-2.83E-04	-2.20E-04
1.71E+02	-4.77E-04	-2.79E-04	-3.36E-04
1.71E+02	-4.81E-04	-2.89E-04	-4.66E-04
1.71E+02	-4.75E-04	-2.85E-04	-5.90E-04
1.71E+02	-4.44E-04	-2.98E-04	-6.94E-04
1.71E+02	-4.63E-04	-3.41E-04	-7.32E-04
1.71E+02	-5.17E-04	-4.32E-04	-7.71E-04
1.71E+02	-5.75E-04	-5.16E-04	-7.53E-04
1.71E+02	-6.26E-04	-5.62E-04	-6.82E-04
1.71E+02	-6.88E-04	-6.10E-04	-6.50E-04
1.71E+02	-8.04E-04	-6.44E-04	-5.78E-04
1.71E+02	-9.28E-04	-6.54E-04	-5.15E-04
1.71E+02	-1.01E-03	-6.42E-04	-5.04E-04
1.71E+02	-1.10E-03	-6.31E-04	-4.73E-04
1.71E+02	-1.19E-03	-6.48E-04	-4.57E-04
1.71E+02	-1.23E-03	-6.59E-04	-3.97E-04
1.71E+02	-1.23E-03	-6.64E-04	-3.07E-04
1.71E+02	-1.20E-03	-6.80E-04	-3.03E-04
1.71E+02	-1.18E-03	-6.87E-04	-3.30E-04
1.71E+02	-1.14E-03	-6.79E-04	-3.62E-04

1.71E+02	-1.02E-03	-6.34E-04	-3.86E-04
1.71E+02	-8.80E-04	-5.52E-04	-3.69E-04
1.71E+02	-7.68E-04	-4.92E-04	-4.10E-04
1.71E+02	-6.35E-04	-4.31E-04	-4.50E-04
1.71E+02	-5.11E-04	-3.56E-04	-3.96E-04
1.71E+02	-3.98E-04	-3.18E-04	-3.74E-04
1.71E+02	-3.50E-04	-2.91E-04	-3.51E-04
1.71E+02	-3.58E-04	-2.59E-04	-3.02E-04
1.71E+02	-3.42E-04	-2.16E-04	-2.70E-04
1.71E+02	-3.52E-04	-1.37E-04	-2.00E-04
1.71E+02	-4.19E-04	-8.26E-05	-2.08E-04
1.71E+02	-4.56E-04	-1.28E-05	-2.25E-04
1.71E+02	-4.52E-04	1.08E-04	-1.21E-04
1.71E+02	-4.53E-04	1.88E-04	-2.35E-05
1.71E+02	-4.86E-04	2.34E-04	8.91E-05
1.71E+02	-5.30E-04	2.59E-04	1.99E-04
1.71E+02	-5.15E-04	2.46E-04	2.49E-04
1.71E+02	-5.02E-04	2.11E-04	3.01E-04
1.71E+02	-5.37E-04	1.18E-04	3.01E-04
1.71E+02	-5.61E-04	3.62E-06	2.87E-04
1.71E+02	-5.73E-04	-8.77E-05	3.09E-04
1.71E+02	-5.68E-04	-2.05E-04	2.33E-04
1.71E+02	-5.86E-04	-3.36E-04	1.49E-04
1.71E+02	-6.31E-04	-4.52E-04	1.46E-04
1.71E+02	-6.08E-04	-5.54E-04	1.47E-04
1.71E+02	-5.68E-04	-6.22E-04	1.52E-04
1.71E+02	-5.47E-04	-6.89E-04	7.23E-05
1.71E+02	-4.73E-04	-7.34E-04	-4.01E-05
1.71E+02	-3.85E-04	-7.20E-04	-8.87E-05
1.71E+02	-2.78E-04	-6.97E-04	-1.95E-04
1.71E+02	-1.61E-04	-6.48E-04	-3.03E-04
1.71E+02	-9.12E-05	-5.78E-04	-3.76E-04
1.71E+02	1.51E-05	-5.27E-04	-4.84E-04
1.71E+02	1.31E-04	-4.68E-04	-5.13E-04
1.71E+02	1.90E-04	-4.32E-04	-4.66E-04
1.71E+02	2.46E-04	-4.20E-04	-3.92E-04
1.71E+02	2.94E-04	-3.92E-04	-2.24E-04
1.71E+02	3.42E-04	-3.92E-04	-9.77E-05
1.71E+02	3.85E-04	-4.00E-04	-4.35E-05
1.71E+02	3.84E-04	-3.69E-04	2.00E-05
1.71E+02	4.39E-04	-3.08E-04	1.85E-05
1.71E+02	5.41E-04	-2.15E-04	1.77E-05
1.71E+02	6.24E-04	-1.39E-04	-3.43E-06
1.71E+02	7.41E-04	-1.17E-04	-9.19E-05
1.71E+02	8.71E-04	-1.14E-04	-1.20E-04
1.71E+02	1.01E-03	-1.41E-04	-1.79E-04
1.71E+02	1.13E-03	-2.10E-04	-2.79E-04

1.71E+02	1.18E-03	-2.84E-04	-2.95E-04
1.71E+02	1.23E-03	-3.71E-04	-3.06E-04
1.71E+02	1.31E-03	-4.40E-04	-2.75E-04
1.71E+02	1.35E-03	-4.70E-04	-2.36E-04
1.71E+02	1.34E-03	-5.23E-04	-3.01E-04
1.71E+02	1.31E-03	-5.70E-04	-3.21E-04
1.71E+02	1.30E-03	-6.11E-04	-3.27E-04
1.71E+02	1.27E-03	-6.84E-04	-3.76E-04
1.71E+02	1.16E-03	-7.51E-04	-3.81E-04
1.71E+02	1.05E-03	-8.02E-04	-3.79E-04
1.71E+02	9.51E-04	-8.24E-04	-3.01E-04
1.71E+02	8.04E-04	-8.27E-04	-1.95E-04
1.71E+02	6.60E-04	-8.38E-04	-1.71E-04
1.71E+02	5.50E-04	-7.96E-04	-5.76E-05
1.71E+02	4.63E-04	-7.10E-04	1.28E-04
1.71E+02	4.11E-04	-6.22E-04	2.66E-04
1.71E+02	3.29E-04	-5.30E-04	3.77E-04
1.71E+02	2.72E-04	-4.57E-04	4.16E-04
1.71E+02	3.16E-04	-3.80E-04	4.28E-04
1.71E+02	3.26E-04	-3.41E-04	3.93E-04
1.71E+02	3.09E-04	-3.74E-04	2.35E-04
1.71E+02	3.33E-04	-3.95E-04	1.33E-04
1.71E+02	3.56E-04	-4.06E-04	9.46E-05
1.71E+02	3.81E-04	-4.40E-04	-8.77E-06
1.71E+02	3.60E-04	-4.77E-04	-8.81E-05
1.71E+02	3.10E-04	-4.96E-04	-1.29E-04
1.71E+02	3.02E-04	-4.75E-04	-1.33E-04
1.71E+02	2.80E-04	-4.44E-04	-1.15E-04
1.71E+02	2.50E-04	-4.50E-04	-1.99E-04
1.71E+02	2.73E-04	-4.50E-04	-2.33E-04
1.71E+02	3.22E-04	-4.17E-04	-1.62E-04
1.71E+02	3.81E-04	-3.91E-04	-1.51E-04
1.71E+02	4.11E-04	-3.69E-04	-1.06E-04
1.71E+02	3.97E-04	-3.34E-04	-4.31E-05
1.71E+02	3.99E-04	-2.92E-04	-3.28E-05
1.71E+02	3.72E-04	-2.45E-04	4.86E-05
1.71E+02	2.88E-04	-1.94E-04	1.90E-04
1.71E+02	2.11E-04	-1.30E-04	3.70E-04
1.71E+02	1.31E-04	-7.65E-05	5.37E-04
1.71E+02	5.42E-05	-5.72E-05	5.74E-04
1.71E+02	-4.77E-05	-3.97E-05	5.70E-04
1.72E+02	-1.84E-04	-7.25E-06	5.08E-04
1.72E+02	-2.53E-04	5.46E-05	3.76E-04
1.72E+02	-3.07E-04	1.69E-04	3.32E-04
1.72E+02	-3.84E-04	3.02E-04	2.70E-04
1.72E+02	-4.24E-04	4.31E-04	1.36E-04
1.72E+02	-4.41E-04	5.70E-04	5.82E-05

1.72E+02	-4.31E-04	6.79E-04	-2.08E-05
1.72E+02	-4.46E-04	7.32E-04	-1.30E-04
1.72E+02	-4.88E-04	7.58E-04	-2.40E-04
1.72E+02	-4.60E-04	7.76E-04	-3.19E-04
1.72E+02	-4.12E-04	7.93E-04	-3.08E-04
1.72E+02	-3.99E-04	7.76E-04	-3.28E-04
1.72E+02	-3.72E-04	7.47E-04	-3.79E-04
1.72E+02	-3.39E-04	7.47E-04	-3.11E-04
1.72E+02	-2.86E-04	7.31E-04	-2.41E-04
1.72E+02	-2.41E-04	7.09E-04	-1.84E-04
1.72E+02	-2.47E-04	7.13E-04	-6.33E-05
1.72E+02	-2.12E-04	7.31E-04	7.82E-06
1.72E+02	-1.46E-04	7.70E-04	6.68E-05
1.72E+02	-1.17E-04	7.89E-04	1.04E-04
1.72E+02	-6.24E-05	7.77E-04	9.98E-05
1.72E+02	1.16E-05	7.85E-04	2.24E-04
1.72E+02	6.66E-05	7.74E-04	4.01E-04
1.72E+02	8.03E-05	7.18E-04	5.31E-04
1.72E+02	8.77E-06	6.49E-04	6.43E-04
1.72E+02	-6.71E-05	5.65E-04	6.72E-04
1.72E+02	-1.14E-04	4.84E-04	6.85E-04
1.72E+02	-2.00E-04	4.05E-04	6.63E-04
1.72E+02	-3.03E-04	3.06E-04	5.17E-04
1.72E+02	-3.69E-04	2.54E-04	4.24E-04
1.72E+02	-3.83E-04	2.21E-04	3.47E-04
1.72E+02	-3.73E-04	1.50E-04	2.20E-04
1.72E+02	-3.71E-04	8.43E-05	1.88E-04
1.72E+02	-3.27E-04	1.41E-05	1.62E-04
1.72E+02	-2.64E-04	-4.02E-05	1.22E-04
1.72E+02	-2.53E-04	-7.90E-05	5.05E-05
1.72E+02	-2.19E-04	-1.35E-04	-1.09E-04
1.72E+02	-1.49E-04	-1.24E-04	-1.45E-04
1.72E+02	-7.10E-05	-6.54E-05	-1.35E-04
1.72E+02	2.61E-05	-2.59E-05	-1.84E-04
1.72E+02	7.27E-05	3.03E-05	-1.54E-04
1.72E+02	1.26E-04	7.32E-05	-1.19E-04
1.72E+02	2.37E-04	9.50E-05	-5.02E-05
1.72E+02	3.03E-04	1.04E-04	6.01E-05
1.72E+02	3.46E-04	5.47E-05	7.88E-05
1.72E+02	4.05E-04	9.73E-06	1.05E-04
1.72E+02	4.51E-04	-1.20E-05	1.09E-04
1.72E+02	5.00E-04	-7.19E-05	2.99E-05
1.72E+02	4.99E-04	-1.34E-04	1.35E-05
1.72E+02	4.73E-04	-1.88E-04	4.27E-05
1.72E+02	4.88E-04	-2.47E-04	1.03E-04
1.72E+02	4.50E-04	-3.09E-04	1.96E-04
1.72E+02	3.86E-04	-3.99E-04	2.23E-04

1.72E+02	3.46E-04	-4.88E-04	2.38E-04
1.72E+02	2.89E-04	-5.58E-04	2.50E-04
1.72E+02	2.44E-04	-6.49E-04	1.84E-04
1.72E+02	1.58E-04	-7.30E-04	1.21E-04
1.72E+02	5.34E-05	-7.79E-04	7.55E-05
1.72E+02	2.21E-05	-8.07E-04	3.22E-05
1.72E+02	-4.01E-06	-8.18E-04	2.21E-05
1.72E+02	-4.33E-05	-8.50E-04	-4.25E-05
1.72E+02	-5.44E-05	-8.77E-04	-9.54E-05
1.72E+02	-5.23E-05	-8.72E-04	-8.37E-05
1.72E+02	-3.55E-05	-8.76E-04	-1.35E-04
1.72E+02	-4.04E-05	-8.86E-04	-1.68E-04
1.72E+02	-8.34E-05	-8.77E-04	-1.37E-04
1.72E+02	-9.92E-05	-8.50E-04	-8.87E-05
1.72E+02	-1.42E-04	-8.14E-04	-8.01E-06
1.72E+02	-2.54E-04	-7.99E-04	-1.49E-05
1.72E+02	-3.44E-04	-7.86E-04	-6.98E-05
1.72E+02	-4.03E-04	-7.53E-04	-5.25E-05
1.72E+02	-4.47E-04	-7.36E-04	-6.94E-05
1.72E+02	-4.94E-04	-7.31E-04	-1.12E-04
1.72E+02	-5.53E-04	-7.18E-04	-1.53E-04
1.72E+02	-5.39E-04	-7.02E-04	-2.29E-04
1.72E+02	-4.87E-04	-6.84E-04	-2.34E-04
1.72E+02	-4.69E-04	-6.95E-04	-2.13E-04
1.72E+02	-4.19E-04	-7.38E-04	-2.26E-04
1.72E+02	-3.30E-04	-7.56E-04	-2.24E-04
1.72E+02	-2.30E-04	-7.69E-04	-3.05E-04
1.72E+02	-1.29E-04	-8.03E-04	-4.47E-04
1.72E+02	-5.89E-05	-8.15E-04	-5.51E-04
1.72E+02	3.47E-05	-8.05E-04	-6.31E-04
1.72E+02	1.23E-04	-7.88E-04	-6.49E-04
1.72E+02	1.33E-04	-7.98E-04	-6.92E-04
1.72E+02	1.27E-04	-8.59E-04	-7.94E-04
1.72E+02	1.07E-04	-9.13E-04	-8.44E-04
1.72E+02	7.55E-05	-9.59E-04	-9.13E-04
1.72E+02	2.96E-05	-9.97E-04	-9.75E-04
1.72E+02	-6.77E-05	-1.02E-03	-9.73E-04
1.72E+02	-1.27E-04	-1.02E-03	-9.57E-04
1.72E+02	-1.52E-04	-9.72E-04	-8.81E-04
1.72E+02	-2.38E-04	-9.43E-04	-8.22E-04
1.72E+02	-3.26E-04	-9.38E-04	-8.19E-04
1.72E+02	-3.85E-04	-9.06E-04	-7.69E-04
1.72E+02	-4.42E-04	-8.82E-04	-7.58E-04
1.72E+02	-4.93E-04	-8.81E-04	-8.15E-04
1.72E+02	-5.75E-04	-8.72E-04	-8.41E-04
1.72E+02	-6.28E-04	-8.38E-04	-8.43E-04
1.72E+02	-6.32E-04	-7.89E-04	-8.18E-04

1.72E+02	-6.69E-04	-7.76E-04	-7.90E-04
1.72E+02	-7.08E-04	-8.20E-04	-8.12E-04
1.72E+02	-7.10E-04	-8.65E-04	-7.74E-04
1.72E+02	-6.87E-04	-9.08E-04	-7.10E-04
1.72E+02	-6.49E-04	-9.59E-04	-7.04E-04
1.72E+02	-6.38E-04	-9.87E-04	-6.76E-04
1.72E+02	-6.04E-04	-9.91E-04	-6.69E-04
1.72E+02	-5.21E-04	-9.81E-04	-6.84E-04
1.72E+02	-4.76E-04	-9.91E-04	-6.97E-04
1.72E+02	-4.52E-04	-1.05E-03	-7.51E-04
1.72E+02	-4.17E-04	-1.13E-03	-7.36E-04
1.72E+02	-3.96E-04	-1.22E-03	-6.86E-04
1.72E+02	-3.81E-04	-1.34E-03	-6.89E-04
1.72E+02	-4.30E-04	-1.50E-03	-6.77E-04
1.72E+02	-5.08E-04	-1.63E-03	-6.76E-04
1.72E+02	-5.53E-04	-1.71E-03	-6.89E-04
1.72E+02	-6.62E-04	-1.78E-03	-7.16E-04
1.72E+02	-8.15E-04	-1.83E-03	-7.92E-04
1.72E+02	-9.41E-04	-1.84E-03	-8.07E-04
1.72E+02	-1.05E-03	-1.82E-03	-7.53E-04
1.72E+02	-1.15E-03	-1.82E-03	-7.23E-04
1.72E+02	-1.27E-03	-1.83E-03	-6.87E-04
1.72E+02	-1.38E-03	-1.83E-03	-6.57E-04
1.72E+02	-1.41E-03	-1.82E-03	-6.65E-04
1.72E+02	-1.43E-03	-1.80E-03	-6.81E-04
1.72E+02	-1.43E-03	-1.80E-03	-7.42E-04
1.72E+02	-1.39E-03	-1.77E-03	-7.97E-04
1.72E+02	-1.31E-03	-1.71E-03	-8.15E-04
1.72E+02	-1.22E-03	-1.67E-03	-8.83E-04
1.72E+02	-1.14E-03	-1.63E-03	-9.48E-04
1.72E+02	-1.06E-03	-1.59E-03	-9.79E-04
1.72E+02	-9.16E-04	-1.54E-03	-9.59E-04
1.72E+02	-7.80E-04	-1.46E-03	-8.46E-04
1.72E+02	-6.98E-04	-1.42E-03	-7.53E-04
1.72E+02	-6.14E-04	-1.38E-03	-6.54E-04
1.72E+02	-5.29E-04	-1.32E-03	-5.19E-04
1.72E+02	-4.58E-04	-1.29E-03	-4.52E-04
1.72E+02	-4.23E-04	-1.27E-03	-4.03E-04
1.72E+02	-4.31E-04	-1.25E-03	-3.70E-04
1.72E+02	-4.06E-04	-1.22E-03	-3.78E-04
1.72E+02	-4.00E-04	-1.17E-03	-3.77E-04
1.72E+02	-4.51E-04	-1.15E-03	-4.12E-04
1.72E+02	-4.92E-04	-1.14E-03	-4.01E-04
1.72E+02	-5.32E-04	-1.10E-03	-2.66E-04
1.72E+02	-5.79E-04	-1.08E-03	-1.69E-04
1.72E+02	-6.49E-04	-1.11E-03	-1.25E-04
1.72E+02	-7.49E-04	-1.15E-03	-6.58E-05

1.72E+02	-8.10E-04	-1.16E-03	-3.03E-05
1.72E+02	-8.58E-04	-1.16E-03	3.05E-06
1.72E+02	-9.40E-04	-1.18E-03	1.60E-05
1.72E+02	-9.82E-04	-1.21E-03	2.84E-05
1.72E+02	-9.93E-04	-1.21E-03	8.05E-05
1.72E+02	-9.88E-04	-1.22E-03	7.59E-05
1.72E+02	-9.87E-04	-1.24E-03	2.29E-06
1.72E+02	-1.03E-03	-1.25E-03	-7.80E-05
1.72E+02	-1.03E-03	-1.24E-03	-1.59E-04
1.72E+02	-1.01E-03	-1.22E-03	-2.24E-04
1.72E+02	-1.05E-03	-1.24E-03	-3.04E-04
1.72E+02	-1.09E-03	-1.25E-03	-3.99E-04
1.72E+02	-1.11E-03	-1.24E-03	-4.45E-04
1.72E+02	-1.13E-03	-1.24E-03	-5.00E-04
1.72E+02	-1.15E-03	-1.26E-03	-5.59E-04
1.72E+02	-1.18E-03	-1.28E-03	-5.54E-04
1.72E+02	-1.18E-03	-1.27E-03	-5.42E-04
1.72E+02	-1.14E-03	-1.23E-03	-5.12E-04
1.72E+02	-1.15E-03	-1.21E-03	-4.94E-04
1.72E+02	-1.14E-03	-1.20E-03	-5.20E-04
1.72E+02	-1.08E-03	-1.18E-03	-4.78E-04
1.72E+02	-9.97E-04	-1.15E-03	-3.76E-04
1.72E+02	-9.06E-04	-1.17E-03	-2.52E-04
1.72E+02	-8.40E-04	-1.19E-03	-1.15E-04
1.72E+02	-7.46E-04	-1.22E-03	-1.56E-05
1.72E+02	-6.05E-04	-1.25E-03	1.10E-04
1.72E+02	-5.03E-04	-1.27E-03	2.47E-04
1.72E+02	-4.42E-04	-1.31E-03	3.20E-04
1.72E+02	-3.93E-04	-1.33E-03	3.97E-04
1.72E+02	-3.66E-04	-1.33E-03	4.33E-04
1.72E+02	-3.79E-04	-1.34E-03	3.89E-04
1.72E+02	-4.48E-04	-1.34E-03	3.69E-04
1.72E+02	-5.00E-04	-1.31E-03	3.72E-04
1.72E+02	-5.22E-04	-1.24E-03	3.86E-04
1.72E+02	-5.86E-04	-1.18E-03	3.69E-04
1.72E+02	-6.57E-04	-1.15E-03	2.55E-04
1.72E+02	-6.98E-04	-1.10E-03	1.54E-04
1.72E+02	-7.20E-04	-1.03E-03	9.75E-05
1.72E+02	-7.37E-04	-9.79E-04	2.99E-05
1.72E+02	-7.91E-04	-9.39E-04	1.56E-05
1.72E+02	-8.40E-04	-8.79E-04	7.95E-05
1.72E+02	-8.52E-04	-8.20E-04	1.58E-04
1.72E+02	-8.82E-04	-7.73E-04	2.26E-04
1.72E+02	-9.04E-04	-7.23E-04	2.57E-04
1.72E+02	-9.01E-04	-6.86E-04	2.97E-04
1.72E+02	-8.74E-04	-6.63E-04	3.75E-04
1.72E+02	-8.34E-04	-6.80E-04	3.80E-04

1.72E+02	-8.35E-04	-7.45E-04	3.41E-04
1.72E+02	-8.31E-04	-7.98E-04	3.23E-04
1.72E+02	-7.89E-04	-8.22E-04	3.27E-04
1.72E+02	-7.70E-04	-8.45E-04	3.44E-04
1.72E+02	-7.71E-04	-8.72E-04	2.98E-04
1.72E+02	-7.55E-04	-8.74E-04	2.82E-04
1.73E+02	-7.24E-04	-8.28E-04	3.38E-04
1.73E+02	-7.00E-04	-7.79E-04	3.56E-04
1.73E+02	-7.07E-04	-7.39E-04	3.76E-04
1.73E+02	-7.24E-04	-6.94E-04	3.98E-04
1.73E+02	-7.07E-04	-6.60E-04	3.83E-04
1.73E+02	-6.85E-04	-6.35E-04	3.81E-04
1.73E+02	-7.03E-04	-6.60E-04	3.24E-04
1.73E+02	-7.15E-04	-6.94E-04	2.36E-04
1.73E+02	-6.86E-04	-6.75E-04	1.86E-04
1.73E+02	-6.45E-04	-6.67E-04	7.34E-05
1.73E+02	-6.36E-04	-6.53E-04	-5.07E-05
1.73E+02	-6.60E-04	-6.01E-04	-1.04E-04
1.73E+02	-6.63E-04	-5.05E-04	-9.57E-05
1.73E+02	-7.02E-04	-3.68E-04	-1.72E-05
1.73E+02	-8.10E-04	-2.46E-04	6.14E-05
1.73E+02	-9.20E-04	-1.21E-04	1.66E-04
1.73E+02	-1.03E-03	2.17E-05	3.25E-04
1.73E+02	-1.14E-03	1.41E-04	4.25E-04
1.73E+02	-1.27E-03	2.40E-04	4.64E-04
1.73E+02	-1.40E-03	3.24E-04	4.87E-04
1.73E+02	-1.46E-03	3.96E-04	5.10E-04
1.73E+02	-1.47E-03	4.66E-04	5.77E-04
1.73E+02	-1.47E-03	5.01E-04	6.32E-04
1.73E+02	-1.43E-03	5.03E-04	6.90E-04
1.73E+02	-1.36E-03	5.08E-04	7.91E-04
1.73E+02	-1.27E-03	4.90E-04	8.07E-04
1.73E+02	-1.21E-03	4.40E-04	7.55E-04
1.73E+02	-1.18E-03	4.02E-04	7.07E-04
1.73E+02	-1.13E-03	4.05E-04	6.38E-04
1.73E+02	-1.06E-03	4.59E-04	5.95E-04
1.73E+02	-1.03E-03	5.13E-04	5.58E-04
1.73E+02	-9.96E-04	5.61E-04	5.65E-04
1.73E+02	-9.21E-04	6.30E-04	6.87E-04
1.73E+02	-8.45E-04	6.71E-04	8.19E-04
1.73E+02	-8.13E-04	6.83E-04	9.14E-04
1.73E+02	-8.21E-04	6.90E-04	9.59E-04
1.73E+02	-8.04E-04	6.98E-04	9.01E-04
1.73E+02	-7.88E-04	7.25E-04	7.96E-04
1.73E+02	-8.23E-04	7.31E-04	6.45E-04
1.73E+02	-8.61E-04	7.02E-04	4.59E-04
1.73E+02	-8.89E-04	6.89E-04	3.73E-04

1.73E+02	-9.08E-04	6.65E-04	3.43E-04
1.73E+02	-9.32E-04	6.05E-04	2.89E-04
1.73E+02	-9.98E-04	5.37E-04	2.34E-04
1.73E+02	-1.04E-03	4.77E-04	1.28E-04
1.73E+02	-1.03E-03	4.50E-04	1.01E-05
1.73E+02	-1.05E-03	4.38E-04	-1.01E-04
1.73E+02	-1.04E-03	4.21E-04	-2.25E-04
1.73E+02	-9.66E-04	4.37E-04	-2.27E-04
1.73E+02	-8.59E-04	4.52E-04	-1.56E-04
1.73E+02	-7.45E-04	4.11E-04	-8.66E-05
1.73E+02	-6.57E-04	3.38E-04	4.98E-05
1.73E+02	-5.55E-04	2.25E-04	1.98E-04
1.73E+02	-4.32E-04	9.96E-05	3.75E-04
1.73E+02	-3.54E-04	-1.62E-05	5.66E-04
1.73E+02	-3.31E-04	-1.53E-04	6.70E-04
1.73E+02	-3.15E-04	-2.29E-04	7.97E-04
1.73E+02	-2.84E-04	-2.40E-04	9.19E-04
1.73E+02	-2.62E-04	-2.50E-04	9.33E-04
1.73E+02	-2.86E-04	-2.50E-04	9.24E-04
1.73E+02	-3.01E-04	-2.46E-04	8.85E-04
1.73E+02	-2.74E-04	-2.18E-04	8.25E-04
1.73E+02	-2.59E-04	-2.12E-04	7.51E-04
1.73E+02	-2.34E-04	-2.69E-04	6.18E-04
1.73E+02	-1.77E-04	-3.30E-04	5.23E-04
1.73E+02	-1.08E-04	-3.97E-04	4.54E-04
1.73E+02	-4.23E-05	-4.69E-04	3.36E-04
1.73E+02	-2.17E-05	-5.04E-04	2.20E-04
1.73E+02	-1.14E-06	-5.00E-04	8.34E-05
1.73E+02	7.27E-05	-4.43E-04	-3.49E-05
1.73E+02	1.22E-04	-3.58E-04	-8.54E-05
1.73E+02	1.46E-04	-2.92E-04	-1.01E-04
1.73E+02	1.77E-04	-2.20E-04	-2.88E-05
1.73E+02	2.11E-04	-1.32E-04	7.59E-05
1.73E+02	2.51E-04	-7.04E-05	9.61E-05
1.73E+02	2.41E-04	-2.27E-05	9.99E-05
1.73E+02	2.25E-04	5.23E-05	1.21E-04
1.73E+02	2.51E-04	1.58E-04	1.20E-04
1.73E+02	2.53E-04	2.79E-04	1.10E-04
1.73E+02	2.48E-04	3.92E-04	8.81E-05
1.73E+02	2.59E-04	5.05E-04	1.23E-04
1.73E+02	2.69E-04	6.13E-04	2.29E-04
1.73E+02	2.59E-04	6.98E-04	2.98E-04
1.73E+02	1.92E-04	7.78E-04	3.54E-04
1.73E+02	9.48E-05	8.51E-04	3.97E-04
1.73E+02	2.75E-05	9.41E-04	4.08E-04
1.73E+02	-3.93E-05	1.06E-03	4.50E-04
1.73E+02	-1.13E-04	1.15E-03	4.56E-04

1.73E+02	-1.48E-04	1.23E-03	4.69E-04
1.73E+02	-1.38E-04	1.32E-03	5.80E-04
1.73E+02	-8.13E-05	1.37E-03	6.81E-04
1.73E+02	-2.80E-05	1.39E-03	7.63E-04
1.73E+02	1.98E-05	1.40E-03	8.19E-04
1.73E+02	1.34E-04	1.42E-03	7.97E-04
1.73E+02	2.47E-04	1.46E-03	7.33E-04
1.73E+02	3.15E-04	1.48E-03	5.75E-04
1.73E+02	3.94E-04	1.50E-03	3.94E-04
1.73E+02	4.80E-04	1.54E-03	3.40E-04
1.73E+02	5.60E-04	1.60E-03	3.47E-04
1.73E+02	5.96E-04	1.64E-03	4.01E-04
1.73E+02	5.74E-04	1.67E-03	4.71E-04
1.73E+02	5.83E-04	1.70E-03	4.78E-04
1.73E+02	6.09E-04	1.75E-03	4.84E-04
1.73E+02	6.00E-04	1.78E-03	4.60E-04
1.73E+02	6.23E-04	1.80E-03	4.43E-04
1.73E+02	6.90E-04	1.87E-03	5.71E-04
1.73E+02	7.84E-04	1.91E-03	7.42E-04
1.73E+02	8.88E-04	1.91E-03	9.11E-04
1.73E+02	9.53E-04	1.89E-03	1.12E-03
1.73E+02	1.04E-03	1.85E-03	1.29E-03
1.73E+02	1.14E-03	1.84E-03	1.41E-03
1.73E+02	1.16E-03	1.80E-03	1.42E-03
1.73E+02	1.18E-03	1.78E-03	1.35E-03
1.73E+02	1.23E-03	1.83E-03	1.36E-03
1.73E+02	1.25E-03	1.89E-03	1.40E-03
1.73E+02	1.26E-03	1.93E-03	1.46E-03
1.73E+02	1.22E-03	1.95E-03	1.57E-03
1.73E+02	1.18E-03	1.93E-03	1.62E-03
1.73E+02	1.17E-03	1.92E-03	1.61E-03
1.73E+02	1.11E-03	1.90E-03	1.50E-03
1.73E+02	1.06E-03	1.90E-03	1.27E-03
1.73E+02	1.05E-03	1.97E-03	1.07E-03
1.73E+02	1.06E-03	2.07E-03	8.86E-04
1.73E+02	1.10E-03	2.18E-03	6.85E-04
1.73E+02	1.11E-03	2.27E-03	5.50E-04
1.73E+02	1.15E-03	2.36E-03	4.57E-04
1.73E+02	1.23E-03	2.46E-03	4.33E-04
1.73E+02	1.26E-03	2.50E-03	4.23E-04
1.73E+02	1.27E-03	2.49E-03	3.70E-04
1.73E+02	1.30E-03	2.49E-03	4.27E-04
1.73E+02	1.33E-03	2.50E-03	5.56E-04
1.73E+02	1.33E-03	2.49E-03	6.66E-04
1.73E+02	1.29E-03	2.50E-03	8.12E-04
1.73E+02	1.26E-03	2.51E-03	9.54E-04
1.73E+02	1.28E-03	2.53E-03	1.09E-03

1.73E+02	1.29E-03	2.53E-03	1.21E-03
1.73E+02	1.30E-03	2.52E-03	1.27E-03
1.73E+02	1.36E-03	2.52E-03	1.36E-03
1.73E+02	1.43E-03	2.53E-03	1.44E-03
1.73E+02	1.51E-03	2.51E-03	1.42E-03
1.73E+02	1.53E-03	2.48E-03	1.39E-03
1.73E+02	1.54E-03	2.47E-03	1.35E-03
1.73E+02	1.59E-03	2.47E-03	1.35E-03
1.73E+02	1.60E-03	2.45E-03	1.34E-03
1.73E+02	1.60E-03	2.39E-03	1.25E-03
1.73E+02	1.63E-03	2.35E-03	1.17E-03
1.73E+02	1.70E-03	2.32E-03	1.15E-03
1.73E+02	1.79E-03	2.29E-03	1.10E-03
1.73E+02	1.84E-03	2.29E-03	1.08E-03
1.73E+02	1.89E-03	2.29E-03	1.04E-03
1.73E+02	1.99E-03	2.31E-03	9.62E-04
1.73E+02	2.05E-03	2.37E-03	9.37E-04
1.73E+02	2.10E-03	2.43E-03	8.89E-04
1.73E+02	2.17E-03	2.48E-03	8.30E-04
1.73E+02	2.23E-03	2.55E-03	8.31E-04
1.73E+02	2.29E-03	2.60E-03	7.78E-04
1.73E+02	2.32E-03	2.62E-03	7.09E-04
1.73E+02	2.34E-03	2.66E-03	6.68E-04
1.73E+02	2.40E-03	2.73E-03	6.07E-04
1.73E+02	2.44E-03	2.80E-03	5.48E-04
1.73E+02	2.46E-03	2.83E-03	4.26E-04
1.73E+02	2.50E-03	2.84E-03	3.24E-04
1.73E+02	2.54E-03	2.85E-03	3.12E-04
1.73E+02	2.58E-03	2.83E-03	2.75E-04
1.73E+02	2.58E-03	2.77E-03	2.71E-04
1.73E+02	2.55E-03	2.68E-03	2.70E-04
1.73E+02	2.55E-03	2.57E-03	2.48E-04
1.73E+02	2.56E-03	2.47E-03	2.90E-04
1.73E+02	2.52E-03	2.35E-03	2.98E-04
1.73E+02	2.48E-03	2.22E-03	3.11E-04
1.73E+02	2.47E-03	2.14E-03	3.91E-04
1.73E+02	2.47E-03	2.06E-03	3.96E-04
1.73E+02	2.45E-03	1.97E-03	3.73E-04
1.73E+02	2.40E-03	1.92E-03	3.62E-04
1.73E+02	2.39E-03	1.90E-03	3.14E-04
1.73E+02	2.40E-03	1.92E-03	2.94E-04
1.73E+02	2.36E-03	1.93E-03	2.13E-04
1.73E+02	2.34E-03	1.93E-03	9.61E-05
1.73E+02	2.33E-03	1.99E-03	1.34E-04
1.73E+02	2.32E-03	2.07E-03	2.18E-04
1.73E+02	2.28E-03	2.13E-03	2.94E-04
1.73E+02	2.18E-03	2.21E-03	3.92E-04

1.73E+02	2.11E-03	2.28E-03	4.43E-04
1.73E+02	2.06E-03	2.33E-03	4.74E-04
1.73E+02	1.98E-03	2.35E-03	4.18E-04
1.73E+02	1.91E-03	2.33E-03	3.07E-04
1.73E+02	1.86E-03	2.32E-03	2.75E-04
1.73E+02	1.85E-03	2.29E-03	2.25E-04
1.73E+02	1.87E-03	2.23E-03	1.50E-04
1.73E+02	1.86E-03	2.17E-03	1.43E-04
1.73E+02	1.87E-03	2.12E-03	1.39E-04
1.73E+02	1.92E-03	2.07E-03	1.18E-04
1.73E+02	1.92E-03	2.01E-03	5.21E-05
1.73E+02	1.90E-03	1.94E-03	-9.21E-05
1.73E+02	1.91E-03	1.91E-03	-2.01E-04
1.73E+02	1.94E-03	1.89E-03	-2.57E-04
1.73E+02	1.95E-03	1.85E-03	-2.99E-04
1.73E+02	1.89E-03	1.80E-03	-2.80E-04
1.73E+02	1.85E-03	1.72E-03	-2.42E-04
1.73E+02	1.84E-03	1.63E-03	-1.98E-04
1.74E+02	1.79E-03	1.50E-03	-1.44E-04
1.74E+02	1.73E-03	1.34E-03	-1.21E-04
1.74E+02	1.68E-03	1.20E-03	-5.78E-05
1.74E+02	1.64E-03	1.08E-03	-1.34E-06
1.74E+02	1.63E-03	9.58E-04	-1.03E-05
1.74E+02	1.61E-03	8.65E-04	4.46E-05
1.74E+02	1.62E-03	8.03E-04	1.41E-04
1.74E+02	1.69E-03	7.64E-04	2.21E-04
1.74E+02	1.73E-03	7.24E-04	2.29E-04
1.74E+02	1.77E-03	6.38E-04	8.26E-05
1.74E+02	1.82E-03	5.61E-04	-7.59E-05
1.74E+02	1.88E-03	5.09E-04	-1.88E-04
1.74E+02	1.92E-03	4.54E-04	-3.13E-04
1.74E+02	1.92E-03	4.33E-04	-3.88E-04
1.74E+02	1.92E-03	4.41E-04	-4.32E-04
1.74E+02	1.95E-03	4.81E-04	-4.57E-04
1.74E+02	1.96E-03	5.46E-04	-4.49E-04
1.74E+02	1.91E-03	5.59E-04	-4.99E-04
1.74E+02	1.88E-03	5.86E-04	-5.41E-04
1.74E+02	1.86E-03	6.42E-04	-5.53E-04
1.74E+02	1.84E-03	6.35E-04	-6.45E-04
1.74E+02	1.79E-03	6.16E-04	-6.96E-04
1.74E+02	1.70E-03	5.91E-04	-6.64E-04
1.74E+02	1.63E-03	5.60E-04	-6.10E-04
1.74E+02	1.53E-03	5.43E-04	-5.45E-04
1.74E+02	1.39E-03	4.67E-04	-5.69E-04
1.74E+02	1.29E-03	3.84E-04	-5.99E-04
1.74E+02	1.20E-03	3.31E-04	-5.78E-04
1.74E+02	1.13E-03	2.62E-04	-6.29E-04

1.74E+02	1.06E-03	2.13E-04	-6.93E-04
1.74E+02	9.78E-04	1.86E-04	-7.60E-04
1.74E+02	9.73E-04	1.60E-04	-8.65E-04
1.74E+02	9.98E-04	1.54E-04	-9.51E-04
1.74E+02	1.02E-03	1.21E-04	-1.07E-03
1.74E+02	1.07E-03	9.08E-05	-1.16E-03
1.74E+02	1.16E-03	1.09E-04	-1.17E-03
1.74E+02	1.31E-03	1.10E-04	-1.20E-03
1.74E+02	1.42E-03	8.68E-05	-1.23E-03
1.74E+02	1.49E-03	6.24E-05	-1.24E-03
1.74E+02	1.59E-03	5.05E-05	-1.23E-03
1.74E+02	1.63E-03	3.70E-05	-1.21E-03
1.74E+02	1.57E-03	-1.41E-05	-1.30E-03
1.74E+02	1.52E-03	-4.84E-05	-1.39E-03
1.74E+02	1.47E-03	-5.23E-05	-1.34E-03
1.74E+02	1.42E-03	-7.51E-05	-1.26E-03
1.74E+02	1.34E-03	-1.16E-04	-1.16E-03
1.74E+02	1.22E-03	-1.66E-04	-1.03E-03
1.74E+02	1.13E-03	-2.23E-04	-8.97E-04
1.74E+02	1.04E-03	-2.77E-04	-7.48E-04
1.74E+02	9.25E-04	-3.54E-04	-6.58E-04
1.74E+02	8.16E-04	-4.37E-04	-6.22E-04
1.74E+02	7.48E-04	-4.78E-04	-5.38E-04
1.74E+02	7.14E-04	-5.26E-04	-4.71E-04
1.74E+02	6.81E-04	-6.04E-04	-4.38E-04
1.74E+02	6.28E-04	-6.83E-04	-3.80E-04
1.74E+02	6.08E-04	-7.56E-04	-3.44E-04
1.74E+02	6.04E-04	-8.14E-04	-3.08E-04
1.74E+02	5.57E-04	-8.95E-04	-3.16E-04
1.74E+02	5.17E-04	-9.97E-04	-3.99E-04
1.74E+02	5.04E-04	-1.05E-03	-4.43E-04
1.74E+02	4.98E-04	-1.08E-03	-4.94E-04
1.74E+02	4.66E-04	-1.12E-03	-5.56E-04
1.74E+02	3.73E-04	-1.14E-03	-5.58E-04
1.74E+02	3.02E-04	-1.16E-03	-5.70E-04
1.74E+02	2.58E-04	-1.17E-03	-5.84E-04
1.74E+02	1.72E-04	-1.20E-03	-6.33E-04
1.74E+02	1.06E-04	-1.27E-03	-7.23E-04
1.74E+02	9.40E-05	-1.30E-03	-7.19E-04
1.74E+02	1.21E-04	-1.32E-03	-6.85E-04
1.74E+02	1.76E-04	-1.34E-03	-6.81E-04
1.74E+02	2.13E-04	-1.35E-03	-6.22E-04
1.74E+02	2.75E-04	-1.33E-03	-5.50E-04
1.74E+02	3.70E-04	-1.28E-03	-4.73E-04
1.74E+02	4.23E-04	-1.21E-03	-4.18E-04
1.74E+02	4.80E-04	-1.16E-03	-4.55E-04
1.74E+02	5.41E-04	-1.10E-03	-4.30E-04

1.74E+02	5.85E-04	-1.04E-03	-3.46E-04
1.74E+02	6.14E-04	-1.04E-03	-2.98E-04
1.74E+02	5.72E-04	-1.05E-03	-2.12E-04
1.74E+02	5.14E-04	-1.09E-03	-1.44E-04
1.74E+02	4.84E-04	-1.14E-03	-1.17E-04
1.74E+02	4.09E-04	-1.23E-03	-1.51E-04
1.74E+02	3.12E-04	-1.35E-03	-2.94E-04
1.74E+02	2.40E-04	-1.43E-03	-3.88E-04
1.74E+02	1.97E-04	-1.48E-03	-4.60E-04
1.74E+02	1.74E-04	-1.55E-03	-6.06E-04
1.74E+02	1.11E-04	-1.62E-03	-7.20E-04
1.74E+02	5.44E-05	-1.69E-03	-7.87E-04
1.74E+02	5.68E-05	-1.72E-03	-7.49E-04
1.74E+02	1.79E-05	-1.78E-03	-6.49E-04
1.74E+02	-2.73E-05	-1.88E-03	-6.07E-04
1.74E+02	-1.74E-05	-1.92E-03	-4.92E-04
1.74E+02	7.63E-06	-1.93E-03	-3.21E-04
1.74E+02	5.76E-05	-1.92E-03	-1.94E-04
1.74E+02	8.70E-05	-1.87E-03	-7.88E-05
1.74E+02	1.19E-04	-1.79E-03	-6.07E-05
1.74E+02	2.18E-04	-1.70E-03	-1.31E-04
1.74E+02	2.92E-04	-1.61E-03	-1.90E-04
1.74E+02	3.14E-04	-1.56E-03	-2.77E-04
1.74E+02	3.29E-04	-1.52E-03	-3.10E-04
1.74E+02	3.11E-04	-1.48E-03	-2.47E-04
1.74E+02	2.49E-04	-1.49E-03	-2.14E-04
1.74E+02	1.12E-04	-1.53E-03	-1.65E-04
1.74E+02	-7.99E-05	-1.56E-03	-8.87E-05
1.74E+02	-2.40E-04	-1.58E-03	-2.23E-05
1.74E+02	-4.05E-04	-1.58E-03	6.24E-05
1.74E+02	-5.84E-04	-1.60E-03	4.98E-05
1.74E+02	-7.12E-04	-1.64E-03	-3.85E-05
1.74E+02	-7.76E-04	-1.66E-03	-9.80E-05
1.74E+02	-7.74E-04	-1.70E-03	-1.85E-04
1.74E+02	-7.82E-04	-1.77E-03	-2.72E-04
1.74E+02	-7.80E-04	-1.86E-03	-3.37E-04
1.74E+02	-7.05E-04	-1.97E-03	-4.00E-04
1.74E+02	-6.30E-04	-2.06E-03	-4.04E-04
1.74E+02	-5.81E-04	-2.14E-03	-3.98E-04
1.74E+02	-5.31E-04	-2.21E-03	-3.70E-04
1.74E+02	-4.88E-04	-2.23E-03	-2.35E-04
1.74E+02	-4.78E-04	-2.24E-03	-1.45E-04
1.74E+02	-5.26E-04	-2.26E-03	-1.32E-04
1.74E+02	-6.21E-04	-2.28E-03	-1.30E-04
1.74E+02	-6.83E-04	-2.25E-03	-1.34E-04
1.74E+02	-7.13E-04	-2.17E-03	-6.96E-05
1.74E+02	-7.68E-04	-2.08E-03	-5.30E-05

1.74E+02	-7.86E-04	-1.99E-03	-1.05E-04
1.74E+02	-7.69E-04	-1.87E-03	-1.24E-04
1.74E+02	-7.44E-04	-1.77E-03	-2.08E-04
1.74E+02	-7.32E-04	-1.72E-03	-3.11E-04
1.74E+02	-7.66E-04	-1.71E-03	-3.82E-04
1.74E+02	-7.56E-04	-1.74E-03	-4.54E-04
1.74E+02	-7.20E-04	-1.79E-03	-4.36E-04
1.74E+02	-7.25E-04	-1.89E-03	-3.80E-04
1.74E+02	-7.35E-04	-2.03E-03	-3.53E-04
1.74E+02	-7.38E-04	-2.14E-03	-2.68E-04
1.74E+02	-7.20E-04	-2.24E-03	-2.13E-04
1.74E+02	-7.09E-04	-2.35E-03	-2.60E-04
1.74E+02	-7.38E-04	-2.43E-03	-3.43E-04
1.74E+02	-7.25E-04	-2.47E-03	-4.72E-04
1.74E+02	-6.44E-04	-2.46E-03	-5.43E-04
1.74E+02	-5.77E-04	-2.46E-03	-5.68E-04
1.74E+02	-5.23E-04	-2.50E-03	-6.51E-04
1.74E+02	-4.70E-04	-2.55E-03	-6.77E-04
1.74E+02	-4.52E-04	-2.60E-03	-7.05E-04
1.74E+02	-4.77E-04	-2.63E-03	-7.84E-04
1.74E+02	-5.80E-04	-2.64E-03	-8.19E-04
1.74E+02	-6.98E-04	-2.60E-03	-8.70E-04
1.74E+02	-7.89E-04	-2.51E-03	-8.77E-04
1.74E+02	-9.32E-04	-2.41E-03	-8.17E-04
1.74E+02	-1.09E-03	-2.33E-03	-7.56E-04
1.74E+02	-1.22E-03	-2.25E-03	-5.92E-04
1.74E+02	-1.32E-03	-2.19E-03	-4.30E-04
1.74E+02	-1.37E-03	-2.16E-03	-3.55E-04
1.74E+02	-1.41E-03	-2.13E-03	-2.82E-04
1.74E+02	-1.40E-03	-2.08E-03	-2.87E-04
1.74E+02	-1.28E-03	-1.95E-03	-3.14E-04
1.74E+02	-1.19E-03	-1.80E-03	-3.74E-04
1.74E+02	-1.11E-03	-1.69E-03	-5.25E-04
1.74E+02	-9.65E-04	-1.56E-03	-5.46E-04
1.74E+02	-8.33E-04	-1.44E-03	-4.45E-04
1.74E+02	-7.14E-04	-1.37E-03	-3.55E-04
1.74E+02	-6.68E-04	-1.32E-03	-2.70E-04
1.74E+02	-6.60E-04	-1.29E-03	-2.51E-04
1.74E+02	-6.16E-04	-1.25E-03	-2.46E-04
1.74E+02	-6.27E-04	-1.20E-03	-1.98E-04
1.74E+02	-6.70E-04	-1.17E-03	-1.95E-04
1.74E+02	-7.04E-04	-1.14E-03	-1.57E-04
1.74E+02	-7.51E-04	-1.12E-03	-8.62E-05
1.74E+02	-7.98E-04	-1.17E-03	-9.16E-05
1.74E+02	-8.93E-04	-1.25E-03	-5.51E-05
1.74E+02	-1.01E-03	-1.34E-03	3.36E-05
1.74E+02	-1.06E-03	-1.38E-03	1.42E-04

1.74E+02	-1.12E-03	-1.38E-03	2.91E-04
1.74E+02	-1.20E-03	-1.38E-03	3.88E-04
1.74E+02	-1.21E-03	-1.36E-03	4.92E-04
1.74E+02	-1.17E-03	-1.32E-03	6.46E-04
1.74E+02	-1.06E-03	-1.32E-03	7.66E-04
1.74E+02	-9.50E-04	-1.37E-03	8.38E-04
1.74E+02	-8.33E-04	-1.45E-03	8.21E-04
1.74E+02	-6.24E-04	-1.52E-03	7.15E-04
1.74E+02	-4.24E-04	-1.55E-03	5.72E-04
1.74E+02	-2.72E-04	-1.59E-03	3.64E-04
1.74E+02	-1.27E-04	-1.58E-03	1.74E-04
1.74E+02	-1.39E-05	-1.52E-03	9.80E-05
1.74E+02	7.57E-05	-1.46E-03	2.73E-05
1.74E+02	1.01E-04	-1.37E-03	-2.31E-05
1.74E+02	5.28E-05	-1.27E-03	-1.41E-05
1.74E+02	9.16E-06	-1.16E-03	2.65E-05
1.74E+02	-6.54E-05	-1.01E-03	1.19E-04
1.74E+02	-1.97E-04	-9.29E-04	1.42E-04
1.74E+02	-3.14E-04	-8.74E-04	1.45E-04
1.74E+02	-4.06E-04	-8.10E-04	2.28E-04
1.74E+02	-4.70E-04	-7.86E-04	2.80E-04
1.74E+02	-5.40E-04	-7.78E-04	3.53E-04
1.74E+02	-6.16E-04	-7.99E-04	4.23E-04
1.74E+02	-6.11E-04	-8.37E-04	3.85E-04
1.74E+02	-5.74E-04	-8.66E-04	3.23E-04
1.74E+02	-5.78E-04	-9.41E-04	1.89E-04
1.74E+02	-5.56E-04	-1.02E-03	-1.53E-05
1.74E+02	-5.29E-04	-1.09E-03	-1.68E-04
1.74E+02	-4.92E-04	-1.17E-03	-2.90E-04
1.74E+02	-4.64E-04	-1.25E-03	-3.58E-04
1.75E+02	-5.16E-04	-1.34E-03	-3.62E-04
1.75E+02	-5.49E-04	-1.42E-03	-3.59E-04
1.75E+02	-5.91E-04	-1.43E-03	-3.62E-04
1.75E+02	-6.98E-04	-1.45E-03	-4.57E-04
1.75E+02	-7.73E-04	-1.45E-03	-5.93E-04
1.75E+02	-8.17E-04	-1.38E-03	-6.14E-04
1.75E+02	-8.30E-04	-1.29E-03	-5.63E-04
1.75E+02	-8.48E-04	-1.18E-03	-4.65E-04
1.75E+02	-9.20E-04	-1.08E-03	-3.33E-04
1.75E+02	-9.57E-04	-9.88E-04	-2.34E-04
1.75E+02	-9.66E-04	-8.75E-04	-9.02E-05
1.75E+02	-1.02E-03	-7.77E-04	4.48E-05
1.75E+02	-1.08E-03	-6.88E-04	1.05E-04
1.75E+02	-1.13E-03	-5.49E-04	2.49E-04
1.75E+02	-1.17E-03	-4.00E-04	4.21E-04
1.75E+02	-1.21E-03	-2.74E-04	5.36E-04
1.75E+02	-1.27E-03	-1.56E-04	6.57E-04

1.75E+02	-1.30E-03	-4.39E-05	7.26E-04
1.75E+02	-1.27E-03	7.92E-05	7.75E-04
1.75E+02	-1.28E-03	1.87E-04	7.75E-04
1.75E+02	-1.27E-03	2.66E-04	6.31E-04
1.75E+02	-1.21E-03	3.76E-04	4.68E-04
1.75E+02	-1.12E-03	5.04E-04	2.86E-04
1.75E+02	-1.03E-03	6.16E-04	5.70E-05
1.75E+02	-9.86E-04	7.20E-04	-1.08E-04
1.75E+02	-9.39E-04	8.19E-04	-2.25E-04
1.75E+02	-8.83E-04	9.23E-04	-2.82E-04
1.75E+02	-8.87E-04	9.93E-04	-3.13E-04
1.75E+02	-9.40E-04	1.00E-03	-4.33E-04
1.75E+02	-1.01E-03	1.01E-03	-5.20E-04
1.75E+02	-1.08E-03	1.03E-03	-5.55E-04
1.75E+02	-1.14E-03	1.02E-03	-6.12E-04
1.75E+02	-1.24E-03	1.00E-03	-5.63E-04
1.75E+02	-1.33E-03	9.71E-04	-4.67E-04
1.75E+02	-1.37E-03	9.48E-04	-3.75E-04
1.75E+02	-1.43E-03	9.10E-04	-2.85E-04
1.75E+02	-1.48E-03	8.04E-04	-3.01E-04
1.75E+02	-1.50E-03	7.10E-04	-2.87E-04
1.75E+02	-1.50E-03	6.47E-04	-2.06E-04
1.75E+02	-1.46E-03	5.90E-04	-1.55E-04
1.75E+02	-1.45E-03	5.87E-04	-4.94E-05
1.75E+02	-1.45E-03	6.24E-04	8.60E-05
1.75E+02	-1.39E-03	6.87E-04	2.04E-04
1.75E+02	-1.36E-03	7.55E-04	2.84E-04
1.75E+02	-1.39E-03	7.79E-04	2.36E-04
1.75E+02	-1.41E-03	8.06E-04	1.19E-04
1.75E+02	-1.41E-03	8.62E-04	-2.00E-05
1.75E+02	-1.37E-03	9.22E-04	-2.32E-04
1.75E+02	-1.33E-03	1.00E-03	-4.18E-04
1.75E+02	-1.27E-03	1.11E-03	-5.16E-04
1.75E+02	-1.15E-03	1.22E-03	-5.69E-04
1.75E+02	-1.04E-03	1.31E-03	-5.77E-04
1.75E+02	-9.61E-04	1.36E-03	-6.41E-04
1.75E+02	-8.91E-04	1.35E-03	-7.40E-04
1.75E+02	-8.45E-04	1.35E-03	-7.51E-04
1.75E+02	-8.16E-04	1.32E-03	-7.33E-04
1.75E+02	-8.37E-04	1.29E-03	-6.54E-04
1.75E+02	-9.01E-04	1.29E-03	-5.23E-04
1.75E+02	-9.24E-04	1.29E-03	-4.12E-04
1.75E+02	-9.28E-04	1.31E-03	-2.51E-04
1.75E+02	-9.48E-04	1.29E-03	-1.19E-04
1.75E+02	-9.36E-04	1.24E-03	-3.43E-05
1.75E+02	-8.94E-04	1.21E-03	5.21E-05
1.75E+02	-8.23E-04	1.16E-03	1.81E-05

1.75E+02	-7.61E-04	1.14E-03	-7.80E-05
1.75E+02	-7.48E-04	1.13E-03	-1.59E-04
1.75E+02	-7.16E-04	1.13E-03	-2.40E-04
1.75E+02	-7.04E-04	1.18E-03	-2.69E-04
1.75E+02	-7.70E-04	1.20E-03	-3.36E-04
1.75E+02	-8.39E-04	1.20E-03	-4.32E-04
1.75E+02	-9.20E-04	1.20E-03	-4.24E-04
1.75E+02	-1.01E-03	1.20E-03	-4.02E-04
1.75E+02	-1.10E-03	1.19E-03	-4.18E-04
1.75E+02	-1.23E-03	1.18E-03	-4.37E-04
1.75E+02	-1.31E-03	1.18E-03	-4.92E-04
1.75E+02	-1.37E-03	1.17E-03	-5.48E-04
1.75E+02	-1.46E-03	1.13E-03	-6.35E-04
1.75E+02	-1.52E-03	1.10E-03	-7.54E-04
1.75E+02	-1.54E-03	1.09E-03	-7.88E-04
1.75E+02	-1.54E-03	1.07E-03	-8.14E-04
1.75E+02	-1.51E-03	1.03E-03	-8.30E-04
1.75E+02	-1.53E-03	1.03E-03	-7.67E-04
1.75E+02	-1.53E-03	1.06E-03	-7.47E-04
1.75E+02	-1.49E-03	1.11E-03	-6.97E-04
1.75E+02	-1.52E-03	1.18E-03	-5.99E-04
1.75E+02	-1.56E-03	1.21E-03	-5.55E-04
1.75E+02	-1.57E-03	1.28E-03	-4.38E-04
1.75E+02	-1.58E-03	1.35E-03	-2.83E-04
1.75E+02	-1.59E-03	1.37E-03	-2.05E-04
1.75E+02	-1.65E-03	1.38E-03	-1.54E-04
1.75E+02	-1.68E-03	1.35E-03	-1.40E-04
1.75E+02	-1.64E-03	1.31E-03	-1.49E-04
1.75E+02	-1.62E-03	1.24E-03	-2.15E-04
1.75E+02	-1.57E-03	1.11E-03	-3.54E-04
1.75E+02	-1.49E-03	1.00E-03	-4.12E-04
1.75E+02	-1.38E-03	8.98E-04	-4.08E-04
1.75E+02	-1.26E-03	7.51E-04	-4.53E-04
1.75E+02	-1.19E-03	5.80E-04	-4.63E-04
1.75E+02	-1.15E-03	4.13E-04	-4.29E-04
1.75E+02	-1.11E-03	2.67E-04	-3.70E-04
1.75E+02	-1.13E-03	1.43E-04	-2.77E-04
1.75E+02	-1.20E-03	2.14E-05	-2.31E-04
1.75E+02	-1.26E-03	-6.28E-05	-1.77E-04
1.75E+02	-1.33E-03	-8.83E-05	-1.09E-04
1.75E+02	-1.39E-03	-9.29E-05	-1.29E-04
1.75E+02	-1.47E-03	-4.65E-05	-1.66E-04
1.75E+02	-1.51E-03	6.08E-05	-2.32E-04
1.75E+02	-1.44E-03	1.99E-04	-3.08E-04
1.75E+02	-1.37E-03	3.61E-04	-3.05E-04
1.75E+02	-1.31E-03	4.69E-04	-3.32E-04
1.75E+02	-1.20E-03	5.46E-04	-3.40E-04

1.75E+02	-1.09E-03	6.47E-04	-2.87E-04
1.75E+02	-9.91E-04	6.74E-04	-2.94E-04
1.75E+02	-9.20E-04	6.86E-04	-2.27E-04
1.75E+02	-8.62E-04	7.37E-04	-9.92E-05
1.75E+02	-7.60E-04	7.80E-04	2.35E-05
1.75E+02	-6.72E-04	8.62E-04	1.97E-04
1.75E+02	-6.14E-04	9.19E-04	2.52E-04
1.75E+02	-5.38E-04	9.27E-04	2.37E-04
1.75E+02	-4.74E-04	9.54E-04	2.52E-04
1.75E+02	-4.29E-04	9.31E-04	1.85E-04
1.75E+02	-4.37E-04	8.58E-04	1.12E-04
1.75E+02	-4.88E-04	7.76E-04	6.60E-05
1.75E+02	-5.05E-04	6.89E-04	5.44E-05
1.75E+02	-5.39E-04	6.13E-04	1.40E-04
1.75E+02	-6.07E-04	5.21E-04	2.16E-04
1.75E+02	-6.53E-04	4.38E-04	2.65E-04
1.75E+02	-6.84E-04	3.88E-04	3.37E-04
1.75E+02	-6.82E-04	3.37E-04	3.57E-04
1.75E+02	-6.84E-04	2.68E-04	3.22E-04
1.75E+02	-7.10E-04	2.02E-04	2.74E-04
1.75E+02	-6.81E-04	1.77E-04	2.25E-04
1.75E+02	-6.39E-04	1.79E-04	2.07E-04
1.75E+02	-6.29E-04	1.55E-04	1.82E-04
1.75E+02	-6.07E-04	1.26E-04	1.88E-04
1.75E+02	-5.68E-04	1.42E-04	3.01E-04
1.75E+02	-5.21E-04	1.55E-04	3.93E-04
1.75E+02	-5.16E-04	1.57E-04	4.59E-04
1.75E+02	-5.65E-04	1.84E-04	5.46E-04
1.75E+02	-5.70E-04	2.30E-04	5.93E-04
1.75E+02	-5.56E-04	2.97E-04	6.65E-04
1.75E+02	-5.89E-04	3.49E-04	7.11E-04
1.75E+02	-6.15E-04	3.77E-04	6.75E-04
1.75E+02	-6.24E-04	4.19E-04	6.45E-04
1.75E+02	-6.12E-04	4.50E-04	5.41E-04
1.75E+02	-5.93E-04	4.53E-04	3.63E-04
1.75E+02	-6.03E-04	4.67E-04	2.30E-04
1.75E+02	-5.81E-04	5.03E-04	1.30E-04
1.75E+02	-5.37E-04	5.66E-04	1.05E-04
1.75E+02	-5.49E-04	6.37E-04	1.09E-04
1.75E+02	-5.80E-04	6.80E-04	6.75E-05
1.75E+02	-5.83E-04	7.43E-04	8.85E-05
1.75E+02	-5.76E-04	8.10E-04	6.92E-05
1.75E+02	-5.86E-04	8.37E-04	-4.52E-05
1.75E+02	-6.29E-04	8.74E-04	-1.02E-04
1.75E+02	-6.50E-04	9.12E-04	-1.45E-04
1.75E+02	-6.25E-04	9.48E-04	-1.52E-04
1.75E+02	-6.43E-04	9.59E-04	-1.10E-04

1.75E+02	-6.87E-04	9.13E-04	-9.19E-05
1.75E+02	-7.12E-04	8.61E-04	-1.05E-05
1.75E+02	-7.23E-04	7.97E-04	8.47E-05
1.75E+02	-7.18E-04	7.10E-04	1.27E-04
1.75E+02	-7.54E-04	6.32E-04	2.14E-04
1.75E+02	-7.79E-04	5.90E-04	3.32E-04
1.75E+02	-7.81E-04	5.75E-04	4.54E-04
1.75E+02	-8.37E-04	5.50E-04	5.28E-04
1.75E+02	-8.95E-04	5.02E-04	4.92E-04
1.75E+02	-9.39E-04	4.40E-04	4.56E-04
1.75E+02	-9.66E-04	3.76E-04	4.61E-04
1.75E+02	-9.53E-04	3.25E-04	4.73E-04
1.75E+02	-9.61E-04	2.86E-04	5.30E-04
1.75E+02	-9.39E-04	2.65E-04	5.86E-04
1.75E+02	-8.50E-04	2.75E-04	6.14E-04
1.75E+02	-7.87E-04	2.96E-04	6.04E-04
1.75E+02	-7.40E-04	3.07E-04	4.90E-04
1.75E+02	-6.63E-04	3.60E-04	4.13E-04
1.75E+02	-5.58E-04	4.47E-04	4.34E-04
1.75E+02	-4.31E-04	5.12E-04	4.44E-04
1.75E+02	-3.35E-04	5.72E-04	5.06E-04
1.75E+02	-2.58E-04	6.30E-04	5.80E-04
1.75E+02	-1.58E-04	6.88E-04	6.04E-04
1.75E+02	-9.96E-05	7.42E-04	5.95E-04
1.75E+02	-6.50E-05	7.66E-04	4.95E-04
1.75E+02	3.62E-06	8.10E-04	4.29E-04
1.75E+02	7.99E-05	8.96E-04	4.82E-04
1.75E+02	1.46E-04	9.76E-04	5.30E-04
1.75E+02	1.59E-04	1.03E-03	5.90E-04
1.75E+02	1.30E-04	1.04E-03	6.53E-04
1.75E+02	1.32E-04	1.01E-03	6.77E-04
1.75E+02	1.19E-04	9.49E-04	7.07E-04
1.75E+02	7.40E-05	8.52E-04	6.60E-04
1.75E+02	6.20E-05	7.73E-04	5.95E-04
1.75E+02	6.43E-05	7.45E-04	5.71E-04
1.75E+02	8.30E-05	7.04E-04	4.37E-04
1.75E+02	8.77E-05	6.69E-04	2.97E-04
1.75E+02	6.47E-05	6.49E-04	2.26E-04
1.75E+02	9.86E-05	6.23E-04	1.72E-04
1.75E+02	1.33E-04	5.97E-04	1.80E-04
1.75E+02	1.38E-04	5.20E-04	1.77E-04
1.75E+02	1.97E-04	4.28E-04	2.16E-04
1.76E+02	2.88E-04	3.69E-04	3.73E-04
1.76E+02	3.97E-04	2.91E-04	5.06E-04
1.76E+02	4.88E-04	2.15E-04	6.09E-04
1.76E+02	5.40E-04	1.58E-04	6.72E-04
1.76E+02	6.30E-04	1.05E-04	6.53E-04

1.76E+02	7.24E-04	7.31E-05	6.30E-04
1.76E+02	7.87E-04	3.01E-05	6.05E-04
1.76E+02	8.61E-04	-2.80E-05	6.03E-04
1.76E+02	9.35E-04	-5.89E-05	6.90E-04
1.76E+02	1.00E-03	-9.40E-05	7.48E-04
1.76E+02	1.02E-03	-1.42E-04	7.51E-04
1.76E+02	9.56E-04	-1.46E-04	7.95E-04
1.76E+02	9.10E-04	-1.05E-04	8.08E-04
1.76E+02	8.19E-04	-4.29E-05	7.74E-04
1.76E+02	6.43E-04	1.77E-05	6.87E-04
1.76E+02	4.57E-04	6.69E-05	5.13E-04
1.76E+02	2.62E-04	1.47E-04	3.60E-04
1.76E+02	6.60E-05	2.34E-04	1.92E-04
1.76E+02	-1.35E-04	3.13E-04	6.29E-06
1.76E+02	-3.80E-04	4.10E-04	-1.17E-04
1.76E+02	-5.90E-04	5.04E-04	-2.24E-04
1.76E+02	-7.47E-04	6.06E-04	-2.61E-04
1.76E+02	-9.36E-04	6.82E-04	-2.50E-04
1.76E+02	-1.11E-03	7.18E-04	-2.36E-04
1.76E+02	-1.25E-03	7.63E-04	-1.25E-04
1.76E+02	-1.34E-03	7.77E-04	-2.00E-05
1.76E+02	-1.37E-03	7.66E-04	5.53E-05
1.76E+02	-1.41E-03	7.43E-04	1.92E-04
1.76E+02	-1.40E-03	6.88E-04	3.29E-04
1.76E+02	-1.33E-03	6.57E-04	4.96E-04
1.76E+02	-1.31E-03	6.06E-04	6.05E-04
1.76E+02	-1.28E-03	5.06E-04	5.60E-04
1.76E+02	-1.24E-03	4.39E-04	5.46E-04
1.76E+02	-1.22E-03	4.06E-04	5.57E-04
1.76E+02	-1.22E-03	3.85E-04	5.44E-04
1.76E+02	-1.26E-03	3.93E-04	5.94E-04
1.76E+02	-1.27E-03	4.22E-04	6.17E-04
1.76E+02	-1.22E-03	4.60E-04	5.89E-04
1.76E+02	-1.17E-03	4.71E-04	5.09E-04
1.76E+02	-1.09E-03	4.28E-04	3.27E-04
1.76E+02	-9.70E-04	3.82E-04	2.24E-04
1.76E+02	-8.23E-04	3.31E-04	1.63E-04
1.76E+02	-6.49E-04	2.48E-04	1.32E-05
1.76E+02	-5.08E-04	1.67E-04	-8.56E-05
1.76E+02	-3.59E-04	8.56E-05	-1.67E-04
1.76E+02	-1.80E-04	6.48E-06	-2.21E-04
1.76E+02	-5.28E-05	-7.50E-05	-2.14E-04
1.76E+02	5.15E-05	-1.87E-04	-2.67E-04
1.76E+02	1.89E-04	-2.72E-04	-2.55E-04
1.76E+02	3.33E-04	-3.05E-04	-1.26E-04
1.76E+02	4.90E-04	-3.29E-04	6.28E-05
1.76E+02	6.15E-04	-3.36E-04	4.05E-04

1.76E+02	7.12E-04	-3.34E-04	8.11E-04
1.76E+02	8.38E-04	-3.36E-04	1.15E-03
1.76E+02	9.05E-04	-3.37E-04	1.39E-03
1.76E+02	9.24E-04	-3.59E-04	1.41E-03
1.76E+02	9.67E-04	-3.62E-04	1.31E-03
1.76E+02	1.01E-03	-3.34E-04	1.18E-03
1.76E+02	1.05E-03	-3.30E-04	9.21E-04
1.76E+02	1.05E-03	-3.23E-04	6.27E-04
1.76E+02	1.01E-03	-3.03E-04	3.98E-04
1.76E+02	1.00E-03	-2.80E-04	2.89E-04
1.76E+02	9.51E-04	-2.62E-04	3.28E-04
1.76E+02	8.31E-04	-2.99E-04	3.31E-04
1.76E+02	7.00E-04	-3.38E-04	2.76E-04
1.76E+02	5.70E-04	-3.23E-04	1.98E-04
1.76E+02	4.64E-04	-2.68E-04	6.69E-05
1.76E+02	3.72E-04	-1.42E-04	4.10E-05
1.76E+02	2.99E-04	2.80E-05	1.38E-04
1.76E+02	2.99E-04	2.03E-04	2.74E-04
1.76E+02	3.30E-04	3.59E-04	4.63E-04
1.76E+02	3.38E-04	4.09E-04	6.48E-04
1.76E+02	3.95E-04	3.99E-04	9.76E-04
1.76E+02	4.96E-04	3.81E-04	1.49E-03
1.76E+02	5.66E-04	2.98E-04	1.82E-03
1.76E+02	5.56E-04	2.05E-04	1.85E-03
1.76E+02	4.72E-04	1.56E-04	1.56E-03
1.76E+02	4.14E-04	1.63E-04	1.10E-03
1.76E+02	3.61E-04	2.14E-04	7.97E-04
1.76E+02	2.69E-04	2.49E-04	7.45E-04
1.76E+02	1.96E-04	2.48E-04	8.97E-04
1.76E+02	1.14E-04	2.09E-04	1.05E-03
1.76E+02	7.63E-06	1.12E-04	8.29E-04
1.76E+02	-1.46E-04	-1.41E-05	1.81E-04
1.76E+02	-3.37E-04	-1.01E-04	-7.20E-04
1.76E+02	-4.57E-04	-1.17E-04	-1.66E-03
1.76E+02	-5.27E-04	-4.14E-05	-2.34E-03
1.76E+02	-5.76E-04	8.41E-05	-2.72E-03
1.76E+02	-5.54E-04	1.94E-04	-2.78E-03
1.76E+02	-4.82E-04	2.91E-04	-2.43E-03
1.76E+02	-3.84E-04	3.00E-04	-1.84E-03
1.76E+02	-3.10E-04	1.97E-04	-1.16E-03
1.76E+02	-3.01E-04	5.97E-05	-5.37E-04
1.76E+02	-2.83E-04	-4.41E-05	-2.16E-04
1.76E+02	-2.41E-04	-3.03E-05	-1.11E-04
1.76E+02	-2.24E-04	5.70E-05	-1.38E-04
1.76E+02	-1.78E-04	1.59E-04	-1.73E-04
1.76E+02	-6.28E-05	2.83E-04	5.70E-05
1.76E+02	9.96E-05	3.60E-04	5.02E-04

1.76E+02	2.69E-04	3.53E-04	1.06E-03
1.76E+02	3.89E-04	2.84E-04	1.65E-03
1.76E+02	4.74E-04	1.66E-04	2.03E-03
1.76E+02	4.77E-04	3.81E-05	2.10E-03
1.76E+02	3.43E-04	-9.50E-05	1.82E-03
1.76E+02	1.54E-04	-1.96E-04	1.27E-03
1.76E+02	-2.23E-05	-1.75E-04	7.74E-04
1.76E+02	-1.49E-04	-4.01E-05	3.02E-04
1.76E+02	-2.04E-04	1.52E-04	-1.89E-04
1.76E+02	-2.03E-04	3.49E-04	-5.72E-04
1.76E+02	-1.02E-04	4.82E-04	-8.91E-04
1.76E+02	8.14E-05	5.17E-04	-1.15E-03
1.76E+02	2.47E-04	4.55E-04	-1.42E-03
1.76E+02	3.81E-04	3.52E-04	-1.81E-03
1.76E+02	5.08E-04	3.20E-04	-2.16E-03
1.76E+02	6.33E-04	4.02E-04	-2.36E-03
1.76E+02	7.61E-04	5.61E-04	-2.35E-03
1.76E+02	8.64E-04	7.52E-04	-2.07E-03
1.76E+02	9.79E-04	9.26E-04	-1.64E-03
1.76E+02	1.12E-03	1.03E-03	-1.17E-03
1.76E+02	1.21E-03	1.05E-03	-8.20E-04
1.76E+02	1.24E-03	9.56E-04	-7.50E-04
1.76E+02	1.21E-03	8.36E-04	-8.62E-04
1.76E+02	1.16E-03	7.56E-04	-1.06E-03
1.76E+02	1.06E-03	6.78E-04	-1.29E-03
1.76E+02	9.10E-04	6.43E-04	-1.32E-03
1.76E+02	8.02E-04	6.84E-04	-1.11E-03
1.76E+02	7.76E-04	7.54E-04	-6.85E-04
1.76E+02	7.66E-04	7.96E-04	-1.40E-04
1.76E+02	7.87E-04	7.23E-04	3.15E-04
1.76E+02	8.67E-04	5.67E-04	6.50E-04
1.76E+02	9.83E-04	3.94E-04	8.02E-04
1.76E+02	1.13E-03	2.26E-04	6.79E-04
1.76E+02	1.23E-03	1.09E-04	4.26E-04
1.76E+02	1.28E-03	4.94E-05	1.66E-04
1.76E+02	1.38E-03	5.55E-05	-5.72E-06
1.76E+02	1.46E-03	8.16E-05	-5.63E-05
1.76E+02	1.50E-03	7.78E-05	-7.93E-05
1.76E+02	1.56E-03	7.04E-05	-4.63E-05
1.76E+02	1.62E-03	4.79E-05	-1.18E-05
1.76E+02	1.68E-03	-1.85E-05	-1.83E-04
1.76E+02	1.67E-03	-9.57E-05	-5.15E-04
1.76E+02	1.59E-03	-1.71E-04	-9.24E-04
1.76E+02	1.50E-03	-2.32E-04	-1.28E-03
1.76E+02	1.38E-03	-2.78E-04	-1.35E-03
1.76E+02	1.23E-03	-3.71E-04	-1.21E-03
1.76E+02	1.11E-03	-4.95E-04	-9.12E-04

1.76E+02	1.03E-03	-6.30E-04	-5.63E-04
1.76E+02	9.76E-04	-7.94E-04	-4.31E-04
1.76E+02	9.21E-04	-9.52E-04	-4.68E-04
1.76E+02	8.59E-04	-1.08E-03	-5.93E-04
1.76E+02	8.62E-04	-1.14E-03	-7.16E-04
1.76E+02	8.61E-04	-1.15E-03	-6.96E-04
1.76E+02	8.08E-04	-1.20E-03	-5.68E-04
1.76E+02	7.63E-04	-1.26E-03	-2.74E-04
1.76E+02	7.18E-04	-1.34E-03	1.15E-04
1.76E+02	6.88E-04	-1.47E-03	2.86E-04
1.76E+02	6.41E-04	-1.61E-03	1.90E-04
1.76E+02	5.52E-04	-1.70E-03	-1.20E-04
1.76E+02	5.03E-04	-1.71E-03	-5.75E-04
1.76E+02	4.51E-04	-1.62E-03	-9.49E-04
1.76E+02	3.80E-04	-1.51E-03	-1.15E-03
1.76E+02	3.39E-04	-1.41E-03	-1.11E-03
1.76E+02	2.95E-04	-1.34E-03	-7.78E-04
1.76E+02	2.52E-04	-1.34E-03	-4.35E-04
1.76E+02	2.15E-04	-1.39E-03	-2.35E-04
1.76E+02	1.96E-04	-1.42E-03	-2.00E-04
1.76E+02	2.50E-04	-1.43E-03	-3.31E-04
1.76E+02	3.51E-04	-1.38E-03	-4.02E-04
1.76E+02	4.45E-04	-1.32E-03	-3.43E-04
1.76E+02	5.24E-04	-1.30E-03	-2.08E-04
1.76E+02	5.85E-04	-1.29E-03	3.87E-05
1.76E+02	6.42E-04	-1.30E-03	1.86E-04
1.76E+02	6.78E-04	-1.36E-03	7.72E-05
1.76E+02	6.61E-04	-1.39E-03	-2.28E-04
1.76E+02	6.79E-04	-1.34E-03	-6.87E-04
1.76E+02	7.46E-04	-1.18E-03	-1.11E-03
1.76E+02	7.67E-04	-9.73E-04	-1.37E-03
1.76E+02	7.68E-04	-7.76E-04	-1.44E-03
1.76E+02	7.53E-04	-6.16E-04	-1.19E-03
1.76E+02	7.34E-04	-5.30E-04	-7.64E-04
1.76E+02	7.31E-04	-5.33E-04	-3.94E-04
1.76E+02	7.07E-04	-6.08E-04	-1.74E-04
1.76E+02	7.76E-04	-6.81E-04	-1.30E-04
1.76E+02	9.43E-04	-7.22E-04	-1.73E-04
1.76E+02	1.10E-03	-7.44E-04	-1.63E-04
1.76E+02	1.26E-03	-7.24E-04	2.10E-05
1.76E+02	1.42E-03	-6.75E-04	4.51E-04
1.76E+02	1.56E-03	-6.63E-04	9.56E-04
1.76E+02	1.70E-03	-6.90E-04	1.34E-03
1.76E+02	1.78E-03	-7.20E-04	1.61E-03
1.76E+02	1.86E-03	-7.37E-04	1.66E-03
1.76E+02	1.96E-03	-7.05E-04	1.53E-03
1.76E+02	1.98E-03	-6.48E-04	1.27E-03

1.76E+02	1.93E-03	-5.88E-04	8.49E-04
1.76E+02	1.86E-03	-4.73E-04	4.27E-04
1.76E+02	1.76E-03	-3.26E-04	4.92E-05
1.76E+02	1.68E-03	-1.85E-04	-3.26E-04
1.76E+02	1.59E-03	-5.84E-05	-6.18E-04
1.76E+02	1.53E-03	2.86E-05	-9.01E-04
1.76E+02	1.55E-03	9.80E-05	-1.21E-03
1.77E+02	1.57E-03	1.53E-04	-1.46E-03
1.77E+02	1.58E-03	1.75E-04	-1.58E-03
1.77E+02	1.62E-03	2.25E-04	-1.36E-03
1.77E+02	1.67E-03	2.98E-04	-8.11E-04
1.77E+02	1.75E-03	3.26E-04	-2.04E-04
1.77E+02	1.80E-03	3.08E-04	3.42E-04
1.77E+02	1.85E-03	2.66E-04	7.18E-04
1.77E+02	1.96E-03	2.42E-04	9.74E-04
1.77E+02	2.06E-03	2.51E-04	1.28E-03
1.77E+02	2.12E-03	2.43E-04	1.55E-03
1.77E+02	2.15E-03	2.20E-04	1.81E-03
1.77E+02	2.13E-03	1.95E-04	2.05E-03
1.77E+02	2.06E-03	1.48E-04	2.14E-03
1.77E+02	1.91E-03	1.09E-04	2.22E-03
1.77E+02	1.73E-03	1.10E-04	2.34E-03
1.77E+02	1.58E-03	1.35E-04	2.46E-03
1.77E+02	1.41E-03	1.62E-04	2.57E-03
1.77E+02	1.19E-03	1.75E-04	2.54E-03
1.77E+02	9.82E-04	1.83E-04	2.39E-03
1.77E+02	7.92E-04	2.14E-04	2.17E-03
1.77E+02	6.20E-04	2.41E-04	1.78E-03
1.77E+02	4.47E-04	2.65E-04	1.28E-03
1.77E+02	2.95E-04	3.28E-04	7.79E-04
1.77E+02	2.40E-04	4.55E-04	2.43E-04
1.77E+02	2.43E-04	6.48E-04	-2.72E-04
1.77E+02	2.48E-04	8.37E-04	-7.35E-04
1.77E+02	3.08E-04	1.02E-03	-9.98E-04
1.77E+02	4.01E-04	1.20E-03	-9.42E-04
1.77E+02	4.88E-04	1.32E-03	-6.66E-04
1.77E+02	5.51E-04	1.37E-03	-2.20E-04
1.77E+02	5.68E-04	1.37E-03	3.05E-04
1.77E+02	5.97E-04	1.31E-03	7.95E-04
1.77E+02	6.17E-04	1.25E-03	1.24E-03
1.77E+02	5.81E-04	1.18E-03	1.57E-03
1.77E+02	5.38E-04	1.09E-03	1.77E-03
1.77E+02	5.25E-04	1.01E-03	1.93E-03
1.77E+02	5.42E-04	8.81E-04	2.02E-03
1.77E+02	5.08E-04	6.48E-04	2.01E-03
1.77E+02	4.22E-04	3.82E-04	1.98E-03
1.77E+02	3.76E-04	1.11E-04	1.94E-03

1.77E+02	3.38E-04	-1.35E-04	1.91E-03
1.77E+02	2.86E-04	-3.44E-04	1.80E-03
1.77E+02	2.61E-04	-5.18E-04	1.60E-03
1.77E+02	2.67E-04	-5.91E-04	1.46E-03
1.77E+02	3.04E-04	-5.92E-04	1.40E-03
1.77E+02	3.21E-04	-5.83E-04	1.27E-03
1.77E+02	2.90E-04	-5.60E-04	1.05E-03
1.77E+02	2.86E-04	-5.32E-04	6.94E-04
1.77E+02	3.24E-04	-4.84E-04	3.16E-04
1.77E+02	3.33E-04	-4.24E-04	1.72E-06
1.77E+02	3.51E-04	-3.64E-04	-2.27E-04
1.77E+02	4.20E-04	-2.51E-04	-2.30E-04
1.77E+02	4.81E-04	-1.40E-04	-1.16E-04
1.77E+02	5.08E-04	-1.09E-04	-1.07E-05
1.77E+02	4.76E-04	-1.40E-04	1.90E-04
1.77E+02	4.35E-04	-2.00E-04	4.31E-04
1.77E+02	4.18E-04	-2.77E-04	6.66E-04
1.77E+02	3.56E-04	-3.68E-04	8.73E-04
1.77E+02	3.22E-04	-4.54E-04	1.01E-03
1.77E+02	3.35E-04	-4.83E-04	1.12E-03
1.77E+02	3.43E-04	-4.70E-04	1.10E-03
1.77E+02	3.58E-04	-4.70E-04	9.21E-04
1.77E+02	3.37E-04	-4.68E-04	7.18E-04
1.77E+02	3.27E-04	-4.74E-04	4.91E-04
1.77E+02	3.65E-04	-5.04E-04	2.55E-04
1.77E+02	3.58E-04	-5.49E-04	2.17E-05
1.77E+02	3.16E-04	-6.24E-04	-1.97E-04
1.77E+02	2.90E-04	-6.75E-04	-2.16E-04
1.77E+02	2.69E-04	-7.01E-04	-1.16E-05
1.77E+02	2.63E-04	-7.26E-04	3.17E-04
1.77E+02	2.42E-04	-7.12E-04	7.82E-04
1.77E+02	2.15E-04	-6.80E-04	1.29E-03
1.77E+02	2.21E-04	-6.33E-04	1.75E-03
1.77E+02	1.79E-04	-5.99E-04	2.06E-03
1.77E+02	8.05E-05	-6.09E-04	2.07E-03
1.77E+02	-6.87E-06	-6.00E-04	1.89E-03
1.77E+02	-5.97E-05	-5.68E-04	1.67E-03
1.77E+02	-6.28E-05	-5.39E-04	1.38E-03
1.77E+02	-6.64E-05	-5.00E-04	1.12E-03
1.77E+02	-5.21E-05	-4.57E-04	9.62E-04
1.77E+02	2.17E-05	-4.18E-04	9.12E-04
1.77E+02	3.41E-05	-4.17E-04	9.52E-04
1.77E+02	-6.81E-05	-4.57E-04	9.42E-04
1.77E+02	-2.29E-04	-4.38E-04	8.93E-04
1.77E+02	-4.25E-04	-3.15E-04	8.12E-04
1.77E+02	-6.03E-04	-1.17E-04	6.14E-04
1.77E+02	-7.58E-04	1.50E-04	4.54E-04

1.77E+02	-8.65E-04	4.66E-04	3.85E-04
1.77E+02	-8.41E-04	7.91E-04	3.03E-04
1.77E+02	-7.53E-04	1.06E-03	1.85E-04
1.77E+02	-6.56E-04	1.20E-03	-7.02E-05
1.77E+02	-4.97E-04	1.21E-03	-3.73E-04
1.77E+02	-2.93E-04	1.16E-03	-5.41E-04
1.77E+02	-7.04E-05	1.00E-03	-6.04E-04
1.77E+02	1.24E-04	7.96E-04	-5.28E-04
1.77E+02	2.56E-04	5.72E-04	-3.20E-04
1.77E+02	3.87E-04	3.38E-04	-1.02E-04
1.77E+02	4.72E-04	1.16E-04	4.50E-05
1.77E+02	4.73E-04	-1.46E-04	2.48E-05
1.77E+02	4.79E-04	-4.23E-04	-7.74E-05
1.77E+02	4.82E-04	-6.98E-04	-1.67E-04
1.77E+02	4.81E-04	-1.02E-03	-3.57E-04
1.77E+02	4.51E-04	-1.34E-03	-6.48E-04
1.77E+02	3.65E-04	-1.61E-03	-9.32E-04
1.77E+02	3.24E-04	-1.77E-03	-1.08E-03
1.77E+02	2.98E-04	-1.82E-03	-1.05E-03
1.77E+02	2.16E-04	-1.84E-03	-9.72E-04
1.77E+02	1.45E-04	-1.80E-03	-9.07E-04
1.77E+02	1.12E-04	-1.65E-03	-7.81E-04
1.77E+02	9.33E-05	-1.47E-03	-6.61E-04
1.77E+02	5.65E-05	-1.25E-03	-5.58E-04
1.77E+02	-2.50E-05	-1.01E-03	-4.44E-04
1.77E+02	-8.87E-05	-7.70E-04	-3.77E-04
1.77E+02	-1.43E-04	-5.46E-04	-3.35E-04
1.77E+02	-2.56E-04	-3.83E-04	-3.49E-04
1.77E+02	-3.72E-04	-2.97E-04	-4.09E-04
1.77E+02	-4.50E-04	-2.05E-04	-3.91E-04
1.77E+02	-4.63E-04	-1.09E-04	-4.06E-04
1.77E+02	-4.27E-04	-6.31E-05	-5.16E-04
1.77E+02	-3.97E-04	-2.59E-05	-5.99E-04
1.77E+02	-3.03E-04	7.06E-06	-6.74E-04
1.77E+02	-1.70E-04	-2.56E-05	-7.02E-04
1.77E+02	-1.09E-04	-1.50E-04	-6.54E-04
1.77E+02	-9.61E-05	-3.65E-04	-6.09E-04
1.77E+02	-1.16E-04	-6.04E-04	-5.39E-04
1.77E+02	-1.59E-04	-8.24E-04	-5.35E-04
1.77E+02	-2.17E-04	-1.03E-03	-6.59E-04
1.77E+02	-3.18E-04	-1.19E-03	-8.13E-04
1.77E+02	-3.83E-04	-1.32E-03	-1.02E-03
1.77E+02	-3.85E-04	-1.42E-03	-1.18E-03
1.77E+02	-3.68E-04	-1.51E-03	-1.17E-03
1.77E+02	-2.91E-04	-1.63E-03	-1.04E-03
1.77E+02	-1.78E-04	-1.75E-03	-7.73E-04
1.77E+02	-5.84E-05	-1.86E-03	-5.35E-04

1.77E+02	3.28E-05	-1.96E-03	-5.07E-04
1.77E+02	4.20E-05	-2.00E-03	-6.58E-04
1.77E+02	4.56E-05	-1.98E-03	-9.17E-04
1.77E+02	8.37E-05	-1.85E-03	-1.15E-03
1.77E+02	8.30E-05	-1.67E-03	-1.37E-03
1.77E+02	4.65E-05	-1.53E-03	-1.60E-03
1.77E+02	3.38E-05	-1.37E-03	-1.70E-03
1.77E+02	4.54E-05	-1.26E-03	-1.71E-03
1.77E+02	8.07E-05	-1.21E-03	-1.74E-03
1.77E+02	1.16E-04	-1.17E-03	-1.71E-03
1.77E+02	1.50E-04	-1.18E-03	-1.73E-03
1.77E+02	2.32E-04	-1.18E-03	-1.74E-03
1.77E+02	3.09E-04	-1.15E-03	-1.63E-03
1.77E+02	3.55E-04	-1.11E-03	-1.45E-03
1.77E+02	4.04E-04	-1.05E-03	-1.17E-03
1.77E+02	4.24E-04	-9.85E-04	-8.96E-04
1.77E+02	4.07E-04	-9.96E-04	-7.96E-04
1.77E+02	3.42E-04	-1.05E-03	-8.26E-04
1.77E+02	2.55E-04	-1.10E-03	-9.39E-04
1.77E+02	2.08E-04	-1.12E-03	-1.05E-03
1.77E+02	1.37E-04	-1.09E-03	-1.14E-03
1.77E+02	1.16E-05	-1.07E-03	-1.32E-03
1.77E+02	-1.27E-04	-1.03E-03	-1.52E-03
1.77E+02	-2.51E-04	-9.46E-04	-1.65E-03
1.77E+02	-3.43E-04	-8.82E-04	-1.71E-03
1.77E+02	-4.45E-04	-8.61E-04	-1.69E-03
1.77E+02	-5.13E-04	-8.78E-04	-1.59E-03
1.77E+02	-4.92E-04	-8.96E-04	-1.48E-03
1.77E+02	-4.52E-04	-8.78E-04	-1.43E-03
1.77E+02	-4.44E-04	-8.48E-04	-1.54E-03
1.77E+02	-4.53E-04	-7.55E-04	-1.66E-03
1.77E+02	-4.79E-04	-6.07E-04	-1.69E-03
1.77E+02	-5.31E-04	-5.04E-04	-1.68E-03
1.77E+02	-6.16E-04	-4.49E-04	-1.58E-03
1.77E+02	-7.12E-04	-4.34E-04	-1.38E-03
1.77E+02	-7.53E-04	-4.17E-04	-1.18E-03
1.77E+02	-7.68E-04	-3.71E-04	-9.65E-04
1.77E+02	-8.13E-04	-3.45E-04	-8.30E-04
1.77E+02	-8.30E-04	-3.00E-04	-6.94E-04
1.77E+02	-8.18E-04	-2.14E-04	-5.10E-04
1.77E+02	-7.85E-04	-1.51E-04	-4.19E-04
1.77E+02	-7.73E-04	-1.01E-04	-3.97E-04
1.77E+02	-7.94E-04	-5.23E-05	-4.56E-04
1.77E+02	-7.41E-04	5.53E-06	-6.21E-04
1.77E+02	-6.58E-04	1.21E-04	-7.78E-04
1.77E+02	-5.79E-04	2.64E-04	-9.95E-04
1.77E+02	-4.66E-04	4.51E-04	-1.26E-03

1.77E+02	-3.50E-04	6.89E-04	-1.45E-03
1.77E+02	-2.11E-04	8.69E-04	-1.63E-03
1.77E+02	-1.16E-04	9.44E-04	-1.74E-03
1.77E+02	-1.15E-04	9.01E-04	-1.71E-03
1.77E+02	-1.03E-04	7.62E-04	-1.59E-03
1.77E+02	-9.40E-05	5.95E-04	-1.35E-03
1.77E+02	-1.41E-04	3.78E-04	-1.09E-03
1.77E+02	-1.81E-04	1.09E-04	-9.02E-04
1.77E+02	-2.04E-04	-1.59E-04	-7.15E-04
1.77E+02	-2.18E-04	-4.65E-04	-6.25E-04
1.77E+02	-2.41E-04	-7.92E-04	-6.36E-04
1.77E+02	-3.04E-04	-1.08E-03	-6.81E-04
1.77E+02	-2.97E-04	-1.30E-03	-8.03E-04
1.77E+02	-1.98E-04	-1.42E-03	-9.30E-04
1.77E+02	-1.14E-04	-1.47E-03	-1.03E-03
1.77E+02	-3.81E-06	-1.50E-03	-1.09E-03
1.77E+02	1.30E-04	-1.47E-03	-9.78E-04
1.77E+02	2.77E-04	-1.42E-03	-7.56E-04
1.77E+02	4.52E-04	-1.37E-03	-5.29E-04
1.78E+02	5.63E-04	-1.32E-03	-3.24E-04
1.78E+02	6.61E-04	-1.25E-03	-1.76E-04
1.78E+02	7.78E-04	-1.12E-03	-3.11E-05
1.78E+02	8.19E-04	-9.67E-04	7.82E-05
1.78E+02	8.26E-04	-8.50E-04	7.48E-05
1.78E+02	8.32E-04	-7.50E-04	4.62E-05
1.78E+02	8.08E-04	-6.62E-04	-5.59E-05
1.78E+02	7.56E-04	-6.20E-04	-3.15E-04
1.78E+02	6.32E-04	-5.83E-04	-5.64E-04
1.78E+02	4.72E-04	-5.34E-04	-7.18E-04
1.78E+02	3.26E-04	-5.02E-04	-7.84E-04
1.78E+02	1.11E-04	-5.18E-04	-7.35E-04
1.78E+02	-1.28E-04	-5.94E-04	-6.43E-04
1.78E+02	-3.20E-04	-6.55E-04	-4.76E-04
1.78E+02	-4.78E-04	-6.88E-04	-2.79E-04
1.78E+02	-5.71E-04	-7.15E-04	-2.13E-04
1.78E+02	-6.33E-04	-7.04E-04	-1.79E-04
1.78E+02	-6.51E-04	-6.60E-04	-1.24E-04
1.78E+02	-5.68E-04	-5.88E-04	-5.40E-05
1.78E+02	-4.64E-04	-5.10E-04	2.61E-05
1.78E+02	-3.80E-04	-5.07E-04	-5.74E-05
1.78E+02	-2.64E-04	-5.36E-04	-2.58E-04
1.78E+02	-9.78E-05	-5.56E-04	-4.36E-04
1.78E+02	1.06E-04	-6.06E-04	-6.30E-04
1.78E+02	2.94E-04	-6.41E-04	-7.93E-04
1.78E+02	4.54E-04	-6.73E-04	-9.77E-04
1.78E+02	6.42E-04	-7.14E-04	-1.17E-03
1.78E+02	7.93E-04	-7.25E-04	-1.21E-03

1.78E+02	8.70E-04	-7.58E-04	-1.15E-03
1.78E+02	9.23E-04	-7.96E-04	-1.01E-03
1.78E+02	9.26E-04	-7.96E-04	-7.67E-04
1.78E+02	8.79E-04	-7.97E-04	-5.81E-04
1.78E+02	7.69E-04	-7.84E-04	-4.29E-04
1.78E+02	6.24E-04	-7.27E-04	-2.70E-04
1.78E+02	5.57E-04	-6.12E-04	-1.26E-04
1.78E+02	5.12E-04	-4.54E-04	3.53E-05
1.78E+02	4.50E-04	-3.35E-04	1.51E-04
1.78E+02	4.35E-04	-2.45E-04	2.49E-04
1.78E+02	4.51E-04	-1.39E-04	3.70E-04
1.78E+02	4.96E-04	-6.16E-05	3.99E-04
1.78E+02	5.24E-04	-7.06E-06	3.81E-04
1.78E+02	5.10E-04	3.55E-05	3.26E-04
1.78E+02	5.41E-04	4.37E-05	1.53E-04
1.78E+02	5.77E-04	6.08E-05	-3.81E-06
1.78E+02	5.92E-04	9.25E-05	-1.18E-04
1.78E+02	6.57E-04	1.23E-04	-2.02E-04
1.78E+02	7.35E-04	1.79E-04	-1.46E-04
1.78E+02	8.04E-04	1.94E-04	-4.75E-05
1.78E+02	8.51E-04	1.26E-04	3.87E-05
1.78E+02	8.41E-04	3.81E-07	1.71E-04
1.78E+02	8.54E-04	-1.67E-04	2.99E-04
1.78E+02	8.75E-04	-3.19E-04	3.95E-04
1.78E+02	8.36E-04	-4.67E-04	3.87E-04
1.78E+02	8.01E-04	-5.85E-04	3.07E-04
1.78E+02	7.97E-04	-5.94E-04	3.26E-04
1.78E+02	7.95E-04	-5.61E-04	3.80E-04
1.78E+02	7.59E-04	-5.19E-04	4.23E-04
1.78E+02	6.90E-04	-4.64E-04	5.02E-04
1.78E+02	6.61E-04	-4.31E-04	5.85E-04
1.78E+02	6.76E-04	-4.00E-04	6.57E-04
1.78E+02	6.70E-04	-3.81E-04	6.31E-04
1.78E+02	6.84E-04	-3.42E-04	4.95E-04
1.78E+02	7.39E-04	-2.20E-04	3.92E-04
1.78E+02	8.16E-04	-6.45E-05	2.89E-04
1.78E+02	9.12E-04	7.95E-05	1.96E-04
1.78E+02	9.98E-04	2.23E-04	2.72E-04
1.78E+02	1.12E-03	3.79E-04	4.66E-04
1.78E+02	1.25E-03	5.37E-04	7.05E-04
1.78E+02	1.27E-03	6.53E-04	8.92E-04
1.78E+02	1.24E-03	7.21E-04	9.42E-04
1.78E+02	1.18E-03	7.98E-04	1.02E-03
1.78E+02	1.10E-03	8.58E-04	1.07E-03
1.78E+02	9.86E-04	8.40E-04	9.81E-04
1.78E+02	8.06E-04	7.82E-04	8.92E-04
1.78E+02	6.68E-04	6.99E-04	8.16E-04

1.78E+02	6.02E-04	6.04E-04	7.87E-04
1.78E+02	5.25E-04	4.85E-04	7.85E-04
1.78E+02	4.62E-04	3.34E-04	7.14E-04
1.78E+02	4.32E-04	2.24E-04	6.19E-04
1.78E+02	4.30E-04	1.39E-04	4.28E-04
1.78E+02	4.63E-04	4.52E-05	1.26E-04
1.78E+02	4.87E-04	-2.42E-05	-1.37E-04
1.78E+02	5.41E-04	-7.51E-05	-3.32E-04
1.78E+02	6.57E-04	-1.09E-04	-4.05E-04
1.78E+02	7.61E-04	-1.42E-04	-3.33E-04
1.78E+02	8.73E-04	-1.96E-04	-2.31E-04
1.78E+02	1.02E-03	-2.15E-04	-4.75E-05
1.78E+02	1.18E-03	-1.87E-04	2.07E-04
1.78E+02	1.30E-03	-1.42E-04	4.04E-04
1.78E+02	1.31E-03	-5.05E-05	5.88E-04
1.78E+02	1.28E-03	9.21E-05	7.23E-04
1.78E+02	1.28E-03	2.89E-04	7.87E-04
1.78E+02	1.25E-03	5.27E-04	8.61E-04
1.78E+02	1.18E-03	7.30E-04	8.86E-04
1.78E+02	1.12E-03	9.09E-04	9.57E-04
1.78E+02	1.10E-03	1.07E-03	1.09E-03
1.78E+02	1.06E-03	1.12E-03	1.07E-03
1.78E+02	9.82E-04	1.11E-03	9.27E-04
1.78E+02	8.72E-04	1.08E-03	7.27E-04
1.78E+02	7.87E-04	1.08E-03	4.86E-04
1.78E+02	7.01E-04	1.16E-03	3.30E-04
1.78E+02	5.90E-04	1.25E-03	2.23E-04
1.78E+02	5.07E-04	1.38E-03	1.94E-04
1.78E+02	4.38E-04	1.52E-03	2.69E-04
1.78E+02	3.52E-04	1.59E-03	2.98E-04
1.78E+02	2.35E-04	1.59E-03	3.21E-04
1.78E+02	1.12E-04	1.56E-03	3.85E-04
1.78E+02	5.47E-05	1.53E-03	4.55E-04
1.78E+02	1.22E-05	1.53E-03	5.33E-04
1.78E+02	-4.33E-05	1.51E-03	5.02E-04
1.78E+02	-4.16E-05	1.52E-03	4.17E-04
1.78E+02	3.62E-06	1.58E-03	3.82E-04
1.78E+02	8.85E-05	1.62E-03	3.07E-04
1.78E+02	1.80E-04	1.60E-03	2.52E-04
1.78E+02	2.49E-04	1.56E-03	2.25E-04
1.78E+02	3.59E-04	1.48E-03	1.72E-04
1.78E+02	4.33E-04	1.39E-03	1.29E-04
1.78E+02	4.34E-04	1.28E-03	4.56E-05
1.78E+02	4.30E-04	1.18E-03	-4.39E-06
1.78E+02	3.96E-04	1.15E-03	7.67E-05
1.78E+02	3.51E-04	1.15E-03	1.89E-04
1.78E+02	2.63E-04	1.14E-03	3.30E-04

1.78E+02	1.30E-04	1.14E-03	5.62E-04
1.78E+02	5.44E-05	1.14E-03	8.29E-04
1.78E+02	-2.99E-05	1.11E-03	1.09E-03
1.78E+02	-1.65E-04	1.03E-03	1.26E-03
1.78E+02	-2.71E-04	9.61E-04	1.35E-03
1.78E+02	-3.47E-04	9.37E-04	1.41E-03
1.78E+02	-3.97E-04	9.42E-04	1.35E-03
1.78E+02	-4.56E-04	9.52E-04	1.20E-03
1.78E+02	-5.78E-04	9.78E-04	1.03E-03
1.78E+02	-6.97E-04	1.02E-03	8.34E-04
1.78E+02	-8.14E-04	1.10E-03	6.44E-04
1.78E+02	-9.75E-04	1.18E-03	4.36E-04
1.78E+02	-1.11E-03	1.27E-03	1.95E-04
1.78E+02	-1.20E-03	1.39E-03	-7.63E-06
1.78E+02	-1.27E-03	1.51E-03	-2.57E-04
1.78E+02	-1.33E-03	1.59E-03	-5.62E-04
1.78E+02	-1.40E-03	1.67E-03	-8.12E-04
1.78E+02	-1.43E-03	1.73E-03	-1.05E-03
1.78E+02	-1.40E-03	1.76E-03	-1.19E-03
1.78E+02	-1.38E-03	1.78E-03	-1.18E-03
1.78E+02	-1.35E-03	1.76E-03	-1.09E-03
1.78E+02	-1.26E-03	1.77E-03	-8.39E-04
1.78E+02	-1.13E-03	1.81E-03	-5.28E-04
1.78E+02	-9.84E-04	1.83E-03	-2.49E-04
1.78E+02	-8.88E-04	1.88E-03	7.78E-05
1.78E+02	-8.06E-04	1.92E-03	3.59E-04
1.78E+02	-7.13E-04	1.94E-03	5.68E-04
1.78E+02	-6.94E-04	1.93E-03	7.03E-04
1.78E+02	-7.23E-04	1.85E-03	7.21E-04
1.78E+02	-7.51E-04	1.78E-03	7.27E-04
1.78E+02	-7.93E-04	1.70E-03	6.98E-04
1.78E+02	-8.44E-04	1.62E-03	5.89E-04
1.78E+02	-9.22E-04	1.59E-03	4.57E-04
1.78E+02	-9.52E-04	1.61E-03	2.58E-04
1.78E+02	-8.74E-04	1.66E-03	4.31E-05
1.78E+02	-7.83E-04	1.72E-03	-1.28E-04
1.78E+02	-6.74E-04	1.76E-03	-2.85E-04
1.78E+02	-5.28E-04	1.77E-03	-3.43E-04
1.78E+02	-3.83E-04	1.77E-03	-2.96E-04
1.78E+02	-2.32E-04	1.70E-03	-2.29E-04
1.78E+02	-1.39E-04	1.56E-03	-1.45E-04
1.78E+02	-9.14E-05	1.40E-03	-1.02E-04
1.78E+02	-1.47E-05	1.26E-03	-1.17E-04
1.78E+02	1.66E-05	1.14E-03	-1.79E-04
1.78E+02	1.14E-05	1.04E-03	-3.29E-04
1.78E+02	3.49E-05	9.83E-04	-4.19E-04
1.78E+02	6.48E-05	9.97E-04	-3.93E-04

1.78E+02	1.08E-04	1.02E-03	-3.70E-04
1.78E+02	9.82E-05	1.04E-03	-3.32E-04
1.78E+02	5.72E-05	1.06E-03	-3.19E-04
1.78E+02	7.80E-05	1.08E-03	-3.26E-04
1.78E+02	7.36E-05	1.10E-03	-2.94E-04
1.78E+02	3.99E-05	1.08E-03	-3.03E-04
1.78E+02	2.65E-05	1.05E-03	-2.78E-04
1.78E+02	4.08E-05	1.05E-03	-2.02E-04
1.78E+02	9.61E-05	1.02E-03	-1.98E-04
1.78E+02	1.34E-04	9.90E-04	-1.40E-04
1.78E+02	1.67E-04	9.86E-04	1.91E-07
1.78E+02	2.49E-04	9.93E-04	1.21E-04
1.78E+02	3.16E-04	9.78E-04	2.08E-04
1.78E+02	3.52E-04	9.08E-04	2.12E-04
1.78E+02	4.01E-04	8.23E-04	2.59E-04
1.78E+02	4.52E-04	7.76E-04	4.20E-04
1.78E+02	5.04E-04	7.37E-04	5.47E-04
1.78E+02	4.99E-04	7.04E-04	6.46E-04
1.78E+02	4.28E-04	7.10E-04	6.75E-04
1.78E+02	4.11E-04	7.50E-04	5.95E-04
1.78E+02	3.87E-04	8.15E-04	5.23E-04
1.78E+02	3.03E-04	8.62E-04	3.85E-04
1.78E+02	2.03E-04	8.93E-04	2.10E-04
1.78E+02	6.45E-05	9.41E-04	8.87E-05
1.78E+02	-7.82E-05	9.74E-04	-7.59E-05
1.78E+02	-2.47E-04	9.98E-04	-1.85E-04
1.78E+02	-4.76E-04	1.01E-03	-1.87E-04
1.78E+02	-6.59E-04	1.00E-03	-1.60E-04
1.78E+02	-8.20E-04	9.84E-04	-7.55E-05
1.78E+02	-1.01E-03	9.12E-04	-5.82E-05
1.78E+02	-1.16E-03	8.03E-04	-1.27E-04
1.79E+02	-1.28E-03	6.99E-04	-1.48E-04
1.79E+02	-1.38E-03	6.02E-04	-1.62E-04
1.79E+02	-1.47E-03	5.36E-04	-1.53E-04
1.79E+02	-1.60E-03	4.86E-04	-1.16E-04
1.79E+02	-1.66E-03	4.19E-04	-1.40E-04
1.79E+02	-1.64E-03	3.32E-04	-1.38E-04
1.79E+02	-1.62E-03	1.88E-04	-1.07E-04
1.79E+02	-1.56E-03	-2.08E-05	-1.05E-04
1.79E+02	-1.46E-03	-1.97E-04	-2.96E-05
1.79E+02	-1.33E-03	-3.31E-04	2.92E-05
1.79E+02	-1.18E-03	-4.39E-04	2.61E-05
1.79E+02	-1.09E-03	-5.04E-04	5.38E-05
1.79E+02	-1.01E-03	-5.63E-04	6.18E-05
1.79E+02	-9.06E-04	-5.90E-04	8.74E-05
1.79E+02	-8.48E-04	-6.25E-04	8.93E-05
1.79E+02	-7.83E-04	-6.94E-04	5.53E-06

1.79E+02	-6.88E-04	-7.16E-04	-2.29E-05
1.79E+02	-5.79E-04	-7.08E-04	-3.85E-05
1.79E+02	-4.71E-04	-6.80E-04	-1.03E-04
1.79E+02	-4.41E-04	-6.27E-04	-1.77E-04
1.79E+02	-4.17E-04	-5.68E-04	-3.25E-04
1.79E+02	-3.40E-04	-4.69E-04	-4.89E-04
1.79E+02	-3.20E-04	-3.62E-04	-6.32E-04
1.79E+02	-3.46E-04	-2.87E-04	-7.97E-04
1.79E+02	-3.97E-04	-2.05E-04	-8.26E-04
1.79E+02	-4.92E-04	-1.39E-04	-7.38E-04
1.79E+02	-6.10E-04	-1.15E-04	-6.51E-04
1.79E+02	-8.14E-04	-1.11E-04	-4.74E-04
1.79E+02	-1.07E-03	-1.49E-04	-3.24E-04
1.79E+02	-1.25E-03	-1.75E-04	-2.32E-04
1.79E+02	-1.40E-03	-1.79E-04	-1.35E-04
1.79E+02	-1.52E-03	-2.36E-04	-1.81E-04
1.79E+02	-1.56E-03	-2.80E-04	-2.41E-04
1.79E+02	-1.56E-03	-2.89E-04	-2.69E-04
1.79E+02	-1.52E-03	-2.93E-04	-3.71E-04
1.79E+02	-1.52E-03	-2.63E-04	-4.01E-04
1.79E+02	-1.55E-03	-2.26E-04	-3.79E-04
1.79E+02	-1.52E-03	-1.57E-04	-3.27E-04
1.79E+02	-1.53E-03	-3.60E-05	-2.05E-04
1.79E+02	-1.60E-03	8.24E-05	-1.66E-04
1.79E+02	-1.68E-03	2.32E-04	-1.54E-04
1.79E+02	-1.76E-03	4.13E-04	-1.19E-04
1.79E+02	-1.83E-03	5.72E-04	-2.08E-04
1.79E+02	-1.92E-03	7.26E-04	-3.21E-04
1.79E+02	-2.03E-03	8.51E-04	-4.24E-04
1.79E+02	-2.06E-03	9.52E-04	-5.36E-04
1.79E+02	-2.03E-03	1.07E-03	-5.29E-04
1.79E+02	-2.02E-03	1.12E-03	-5.31E-04
1.79E+02	-1.97E-03	1.15E-03	-5.10E-04
1.79E+02	-1.90E-03	1.22E-03	-3.05E-04
1.79E+02	-1.84E-03	1.27E-03	-5.87E-05
1.79E+02	-1.86E-03	1.29E-03	1.83E-04
1.79E+02	-1.95E-03	1.27E-03	3.91E-04
1.79E+02	-2.01E-03	1.20E-03	5.18E-04
1.79E+02	-2.05E-03	1.14E-03	6.92E-04
1.79E+02	-2.12E-03	1.06E-03	8.65E-04
1.79E+02	-2.18E-03	9.65E-04	9.84E-04
1.79E+02	-2.22E-03	8.94E-04	1.07E-03
1.79E+02	-2.26E-03	7.86E-04	1.00E-03
1.79E+02	-2.30E-03	6.36E-04	8.63E-04
1.79E+02	-2.38E-03	4.97E-04	8.26E-04
1.79E+02	-2.40E-03	4.01E-04	8.45E-04
1.79E+02	-2.37E-03	3.62E-04	9.25E-04

1.79E+02	-2.36E-03	3.47E-04	9.44E-04
1.79E+02	-2.29E-03	3.33E-04	7.80E-04
1.79E+02	-2.17E-03	3.66E-04	5.78E-04
1.79E+02	-2.03E-03	4.49E-04	3.83E-04
1.79E+02	-1.88E-03	5.52E-04	2.28E-04
1.79E+02	-1.79E-03	6.65E-04	2.06E-04
1.79E+02	-1.70E-03	7.53E-04	2.60E-04
1.79E+02	-1.61E-03	8.41E-04	3.75E-04
1.79E+02	-1.58E-03	9.16E-04	4.83E-04
1.79E+02	-1.58E-03	9.58E-04	5.06E-04
1.79E+02	-1.58E-03	1.04E-03	5.73E-04
1.79E+02	-1.57E-03	1.15E-03	6.26E-04
1.79E+02	-1.53E-03	1.25E-03	5.97E-04
1.79E+02	-1.52E-03	1.37E-03	6.35E-04
1.79E+02	-1.50E-03	1.45E-03	7.12E-04
1.79E+02	-1.45E-03	1.51E-03	8.25E-04
1.79E+02	-1.47E-03	1.52E-03	9.49E-04
1.79E+02	-1.51E-03	1.44E-03	9.71E-04
1.79E+02	-1.52E-03	1.39E-03	9.99E-04
1.79E+02	-1.55E-03	1.38E-03	9.75E-04
1.79E+02	-1.54E-03	1.38E-03	7.95E-04
1.79E+02	-1.56E-03	1.41E-03	6.07E-04
1.79E+02	-1.59E-03	1.42E-03	4.01E-04
1.79E+02	-1.54E-03	1.40E-03	1.88E-04
1.79E+02	-1.54E-03	1.35E-03	1.81E-05
1.79E+02	-1.57E-03	1.20E-03	-2.02E-04
1.79E+02	-1.59E-03	1.01E-03	-3.32E-04
1.79E+02	-1.61E-03	8.33E-04	-3.28E-04
1.79E+02	-1.64E-03	6.12E-04	-3.30E-04
1.79E+02	-1.69E-03	4.38E-04	-2.08E-04
1.79E+02	-1.74E-03	3.44E-04	7.44E-06
1.79E+02	-1.71E-03	3.19E-04	2.45E-04
1.79E+02	-1.64E-03	3.77E-04	5.23E-04
1.79E+02	-1.56E-03	4.13E-04	6.81E-04
1.79E+02	-1.43E-03	4.22E-04	7.92E-04
1.79E+02	-1.30E-03	4.10E-04	8.95E-04
1.79E+02	-1.18E-03	3.24E-04	9.00E-04
1.79E+02	-1.13E-03	2.20E-04	9.43E-04
1.79E+02	-1.19E-03	1.11E-04	9.80E-04
1.79E+02	-1.24E-03	7.63E-07	9.30E-04
1.79E+02	-1.35E-03	-7.11E-05	8.75E-04
1.79E+02	-1.51E-03	-1.28E-04	7.60E-04
1.79E+02	-1.65E-03	-1.32E-04	6.53E-04
1.79E+02	-1.72E-03	-7.04E-05	6.41E-04
1.79E+02	-1.72E-03	-1.05E-05	5.82E-04
1.79E+02	-1.68E-03	6.56E-05	5.43E-04
1.79E+02	-1.64E-03	1.43E-04	5.59E-04

1.79E+02	-1.52E-03	2.17E-04	5.79E-04
1.79E+02	-1.35E-03	3.07E-04	6.67E-04
1.79E+02	-1.21E-03	3.31E-04	6.50E-04
1.79E+02	-1.03E-03	3.26E-04	5.21E-04
1.79E+02	-8.49E-04	3.18E-04	4.20E-04
1.79E+02	-6.78E-04	2.78E-04	3.13E-04
1.79E+02	-5.43E-04	2.48E-04	2.76E-04
1.79E+02	-5.11E-04	2.05E-04	2.98E-04
1.79E+02	-5.00E-04	1.38E-04	3.28E-04
1.79E+02	-5.58E-04	6.26E-05	4.38E-04
1.79E+02	-7.21E-04	-5.04E-05	5.08E-04
1.79E+02	-9.11E-04	-1.81E-04	4.76E-04
1.79E+02	-1.12E-03	-2.57E-04	4.50E-04
1.79E+02	-1.29E-03	-2.94E-04	3.47E-04
1.79E+02	-1.44E-03	-3.19E-04	1.68E-04
1.79E+02	-1.60E-03	-3.19E-04	9.35E-06
1.79E+02	-1.69E-03	-2.97E-04	-1.32E-04
1.79E+02	-1.71E-03	-2.34E-04	-1.70E-04
1.79E+02	-1.74E-03	-2.07E-04	-1.59E-04
1.79E+02	-1.75E-03	-2.51E-04	-1.48E-04
1.79E+02	-1.73E-03	-2.63E-04	-1.47E-05
1.79E+02	-1.68E-03	-2.56E-04	1.18E-04
1.79E+02	-1.60E-03	-2.21E-04	1.45E-04
1.79E+02	-1.57E-03	-1.34E-04	1.01E-04
1.79E+02	-1.51E-03	-3.38E-05	-4.18E-05
1.79E+02	-1.38E-03	1.04E-04	-2.01E-04
1.79E+02	-1.28E-03	1.98E-04	-4.16E-04
1.79E+02	-1.15E-03	2.09E-04	-7.29E-04
1.79E+02	-9.68E-04	2.17E-04	-9.59E-04
1.79E+02	-7.79E-04	1.77E-04	-1.14E-03
1.79E+02	-5.80E-04	9.56E-05	-1.29E-03
1.79E+02	-4.52E-04	3.34E-05	-1.27E-03
1.79E+02	-3.59E-04	-1.51E-05	-1.14E-03
1.79E+02	-2.44E-04	-2.00E-05	-8.62E-04
1.79E+02	-1.82E-04	-6.68E-06	-4.56E-04
1.79E+02	-1.29E-04	-3.74E-05	-1.03E-04
1.79E+02	-6.92E-05	-7.55E-05	2.37E-04
1.79E+02	-2.12E-05	-1.19E-04	5.03E-04
1.79E+02	3.53E-05	-1.88E-04	6.34E-04
1.79E+02	1.72E-06	-2.59E-04	7.07E-04
1.79E+02	-6.58E-05	-3.44E-04	6.01E-04
1.79E+02	-8.79E-05	-3.97E-04	3.61E-04
1.79E+02	-1.41E-04	-4.06E-04	1.22E-04
1.79E+02	-2.01E-04	-4.05E-04	-1.47E-04
1.79E+02	-2.54E-04	-3.72E-04	-3.49E-04
1.79E+02	-2.72E-04	-3.27E-04	-4.60E-04
1.79E+02	-2.23E-04	-2.91E-04	-5.29E-04

1.79E+02	-2.16E-04	-2.85E-04	-5.04E-04
1.79E+02	-2.35E-04	-3.31E-04	-4.91E-04
1.79E+02	-1.98E-04	-3.87E-04	-5.40E-04
1.79E+02	-1.78E-04	-4.08E-04	-5.62E-04
1.79E+02	-1.78E-04	-4.31E-04	-6.32E-04
1.79E+02	-1.33E-04	-4.75E-04	-6.83E-04
1.79E+02	-6.01E-05	-4.96E-04	-6.52E-04
1.79E+02	1.01E-05	-5.27E-04	-6.92E-04
1.79E+02	2.44E-05	-5.81E-04	-7.40E-04
1.79E+02	7.06E-06	-6.56E-04	-7.79E-04
1.79E+02	2.00E-05	-7.75E-04	-8.50E-04
1.79E+02	-1.53E-06	-9.01E-04	-7.84E-04
1.79E+02	-6.81E-05	-1.04E-03	-6.15E-04
1.79E+02	-1.19E-04	-1.19E-03	-3.89E-04
1.79E+02	-1.60E-04	-1.31E-03	-8.14E-05
1.79E+02	-1.72E-04	-1.43E-03	1.05E-04
1.79E+02	-1.63E-04	-1.55E-03	1.75E-04
1.79E+02	-1.50E-04	-1.67E-03	2.03E-04
1.79E+02	-5.38E-05	-1.74E-03	1.64E-04
1.79E+02	8.20E-05	-1.74E-03	9.25E-05
1.79E+02	1.93E-04	-1.72E-03	-1.46E-04
1.79E+02	3.34E-04	-1.67E-03	-4.94E-04
1.79E+02	4.88E-04	-1.56E-03	-6.90E-04
1.79E+02	6.29E-04	-1.47E-03	-7.64E-04
1.79E+02	7.10E-04	-1.42E-03	-7.33E-04
1.79E+02	7.15E-04	-1.43E-03	-6.11E-04
1.79E+02	7.47E-04	-1.46E-03	-5.02E-04
1.79E+02	7.94E-04	-1.47E-03	-3.68E-04
1.79E+02	8.09E-04	-1.50E-03	-2.83E-04
1.79E+02	8.47E-04	-1.52E-03	-2.44E-04
1.79E+02	9.26E-04	-1.48E-03	-1.11E-04
1.79E+02	1.02E-03	-1.48E-03	-4.96E-05
1.79E+02	1.13E-03	-1.51E-03	-5.74E-05
1.79E+02	1.20E-03	-1.54E-03	-5.91E-06
1.79E+02	1.28E-03	-1.59E-03	-3.24E-06
1.79E+02	1.38E-03	-1.62E-03	8.77E-06
1.79E+02	1.44E-03	-1.64E-03	3.72E-05
1.79E+02	1.48E-03	-1.68E-03	4.08E-05
1.79E+02	1.53E-03	-1.67E-03	1.17E-04
1.79E+02	1.57E-03	-1.63E-03	1.60E-04
1.79E+02	1.60E-03	-1.60E-03	1.33E-04
1.79E+02	1.56E-03	-1.59E-03	1.32E-04
1.79E+02	1.52E-03	-1.59E-03	9.00E-05
1.80E+02	1.53E-03	-1.59E-03	5.72E-06
1.80E+02	1.52E-03	-1.57E-03	-1.33E-04
1.80E+02	1.49E-03	-1.59E-03	-3.61E-04
1.80E+02	1.49E-03	-1.59E-03	-5.15E-04

1.80E+02	1.51E-03	-1.58E-03	-5.79E-04
1.80E+02	1.54E-03	-1.55E-03	-6.47E-04
1.80E+02	1.53E-03	-1.49E-03	-7.12E-04
1.80E+02	1.48E-03	-1.43E-03	-8.25E-04
1.80E+02	1.48E-03	-1.30E-03	-9.34E-04
1.80E+02	1.41E-03	-1.17E-03	-1.02E-03
1.80E+02	1.29E-03	-1.11E-03	-1.13E-03
1.80E+02	1.16E-03	-1.08E-03	-1.11E-03
1.80E+02	9.98E-04	-1.09E-03	-9.24E-04
1.80E+02	8.29E-04	-1.14E-03	-6.97E-04
1.80E+02	6.03E-04	-1.24E-03	-4.58E-04
1.80E+02	4.07E-04	-1.31E-03	-3.02E-04
1.80E+02	3.27E-04	-1.33E-03	-2.29E-04
1.80E+02	2.69E-04	-1.31E-03	-1.98E-04
1.80E+02	2.47E-04	-1.28E-03	-2.63E-04
1.80E+02	2.80E-04	-1.23E-03	-3.39E-04
1.80E+02	3.36E-04	-1.17E-03	-3.51E-04
1.80E+02	4.05E-04	-1.15E-03	-3.26E-04
1.80E+02	4.02E-04	-1.20E-03	-2.07E-04
1.80E+02	3.44E-04	-1.29E-03	-4.06E-05
1.80E+02	3.12E-04	-1.38E-03	1.06E-04
1.80E+02	2.54E-04	-1.44E-03	2.27E-04
1.80E+02	1.77E-04	-1.51E-03	1.98E-04
1.80E+02	1.61E-04	-1.58E-03	9.10E-05
1.80E+02	2.01E-04	-1.62E-03	4.41E-05
1.80E+02	3.16E-04	-1.67E-03	2.21E-05
1.80E+02	4.54E-04	-1.75E-03	1.18E-04
1.80E+02	5.99E-04	-1.86E-03	3.46E-04
1.80E+02	8.21E-04	-2.00E-03	5.73E-04
1.80E+02	1.03E-03	-2.15E-03	7.11E-04
1.80E+02	1.20E-03	-2.31E-03	6.64E-04
1.80E+02	1.36E-03	-2.42E-03	5.49E-04
1.80E+02	1.50E-03	-2.44E-03	4.90E-04
1.80E+02	1.64E-03	-2.38E-03	4.05E-04
1.80E+02	1.72E-03	-2.28E-03	3.47E-04
1.80E+02	1.73E-03	-2.16E-03	3.78E-04
1.80E+02	1.74E-03	-2.01E-03	4.92E-04
1.80E+02	1.75E-03	-1.85E-03	6.71E-04
1.80E+02	1.69E-03	-1.75E-03	7.29E-04
1.80E+02	1.64E-03	-1.68E-03	6.46E-04
1.80E+02	1.61E-03	-1.60E-03	5.57E-04
1.80E+02	1.59E-03	-1.53E-03	4.07E-04
1.80E+02	1.55E-03	-1.49E-03	2.46E-04
1.80E+02	1.46E-03	-1.44E-03	1.70E-04
1.80E+02	1.40E-03	-1.40E-03	1.88E-04
1.80E+02	1.38E-03	-1.37E-03	3.62E-04
1.80E+02	1.31E-03	-1.39E-03	5.57E-04

1.80E+02	1.23E-03	-1.46E-03	6.31E-04
1.80E+02	1.17E-03	-1.50E-03	6.34E-04
1.80E+02	1.11E-03	-1.51E-03	4.93E-04
1.80E+02	1.06E-03	-1.49E-03	2.78E-04
1.80E+02	9.93E-04	-1.40E-03	1.50E-04
1.80E+02	9.51E-04	-1.28E-03	5.78E-05
1.80E+02	9.42E-04	-1.11E-03	8.07E-05
1.80E+02	8.99E-04	-9.71E-04	1.71E-04
1.80E+02	8.34E-04	-8.85E-04	1.98E-04
1.80E+02	7.64E-04	-7.97E-04	2.50E-04
1.80E+02	6.73E-04	-6.88E-04	2.47E-04
1.80E+02	5.52E-04	-5.58E-04	1.75E-04
1.80E+02	3.54E-04	-3.99E-04	1.49E-04
1.80E+02	1.42E-04	-2.17E-04	1.44E-04
1.80E+02	-3.87E-05	-5.91E-06	2.14E-04
1.80E+02	-2.29E-04	1.88E-04	3.43E-04
1.80E+02	-3.93E-04	2.99E-04	4.34E-04
1.80E+02	-4.91E-04	3.61E-04	5.70E-04
1.80E+02	-5.00E-04	3.64E-04	7.32E-04
1.80E+02	-4.21E-04	2.98E-04	8.44E-04
1.80E+02	-3.33E-04	2.15E-04	9.83E-04
1.80E+02	-2.19E-04	1.19E-04	1.13E-03
1.80E+02	-7.02E-05	4.43E-05	1.25E-03
1.80E+02	4.41E-05	-2.00E-05	1.33E-03
1.80E+02	1.35E-04	-1.14E-04	1.30E-03
1.80E+02	2.34E-04	-1.83E-04	1.27E-03
1.80E+02	3.51E-04	-2.12E-04	1.28E-03
1.80E+02	4.37E-04	-2.34E-04	1.20E-03
1.80E+02	4.36E-04	-2.31E-04	1.05E-03
1.80E+02	4.11E-04	-1.98E-04	8.92E-04
1.80E+02	4.09E-04	-1.49E-04	7.49E-04
1.80E+02	3.63E-04	-8.11E-05	6.59E-04
1.80E+02	2.57E-04	-3.74E-05	5.40E-04
1.80E+02	1.35E-04	-1.91E-07	4.27E-04
1.80E+02	4.39E-06	6.81E-05	4.06E-04
1.80E+02	-1.05E-04	1.08E-04	3.94E-04
1.80E+02	-2.26E-04	1.37E-04	4.30E-04
1.80E+02	-3.48E-04	1.79E-04	5.50E-04
1.80E+02	-3.84E-04	2.58E-04	7.24E-04
1.80E+02	-4.01E-04	3.96E-04	9.36E-04
1.80E+02	-4.09E-04	4.97E-04	1.04E-03
1.80E+02	-3.38E-04	5.78E-04	1.05E-03
1.80E+02	-2.20E-04	6.53E-04	1.06E-03
1.80E+02	-5.05E-05	6.41E-04	9.90E-04
1.80E+02	1.28E-04	5.68E-04	9.22E-04
1.80E+02	2.96E-04	4.56E-04	9.03E-04
1.80E+02	5.29E-04	3.30E-04	9.03E-04

1.80E+02	7.51E-04	2.34E-04	9.73E-04
1.80E+02	9.09E-04	1.31E-04	9.85E-04
1.80E+02	1.03E-03	3.66E-05	9.14E-04
1.80E+02	1.12E-03	-2.04E-05	8.65E-04
1.80E+02	1.19E-03	-9.75E-05	7.62E-04
1.80E+02	1.18E-03	-2.12E-04	6.58E-04
1.80E+02	1.06E-03	-3.50E-04	5.76E-04
1.80E+02	9.32E-04	-4.91E-04	4.53E-04
1.80E+02	7.71E-04	-5.91E-04	3.84E-04
1.80E+02	5.43E-04	-6.70E-04	3.20E-04
1.80E+02	3.35E-04	-7.21E-04	2.46E-04
1.80E+02	1.51E-04	-6.79E-04	2.89E-04
1.80E+02	2.77E-05	-5.74E-04	3.95E-04
1.80E+02	-4.01E-05	-4.52E-04	5.03E-04
1.80E+02	-8.28E-05	-3.14E-04	6.19E-04
1.80E+02	4.39E-06	-1.75E-04	6.90E-04
1.80E+02	1.81E-04	-5.15E-05	7.33E-04
1.80E+02	3.62E-04	1.79E-05	7.37E-04
1.80E+02	5.67E-04	2.69E-05	6.60E-04
1.80E+02	7.78E-04	3.57E-05	5.75E-04
1.80E+02	9.85E-04	4.25E-05	4.05E-04
1.80E+02	1.16E-03	2.98E-05	1.26E-04
1.80E+02	1.23E-03	2.61E-05	-1.00E-04
1.80E+02	1.24E-03	2.37E-05	-2.85E-04
1.80E+02	1.23E-03	2.57E-05	-4.09E-04
1.80E+02	1.11E-03	8.77E-06	-4.96E-04
1.80E+02	9.48E-04	-5.78E-05	-5.86E-04
1.80E+02	7.98E-04	-1.06E-04	-5.47E-04
1.80E+02	6.54E-04	-1.28E-04	-4.56E-04
1.80E+02	5.52E-04	-1.31E-04	-3.82E-04
1.80E+02	4.42E-04	-8.22E-05	-2.82E-04
1.80E+02	3.95E-04	-1.47E-05	-2.10E-04
1.80E+02	4.64E-04	8.18E-05	-9.63E-05
1.80E+02	5.36E-04	1.71E-04	1.98E-05
1.80E+02	6.15E-04	2.10E-04	5.07E-05
1.80E+02	7.11E-04	2.58E-04	1.15E-04
1.80E+02	7.97E-04	2.83E-04	1.95E-04
1.80E+02	8.89E-04	2.87E-04	2.82E-04
1.80E+02	9.30E-04	3.14E-04	4.51E-04
1.80E+02	9.34E-04	3.41E-04	6.15E-04
1.80E+02	9.64E-04	4.08E-04	7.61E-04
1.80E+02	9.44E-04	4.84E-04	8.56E-04
1.80E+02	8.58E-04	5.10E-04	7.99E-04
1.80E+02	7.74E-04	5.44E-04	7.05E-04
1.80E+02	7.02E-04	5.92E-04	5.76E-04
1.80E+02	6.30E-04	6.31E-04	3.40E-04
1.80E+02	5.05E-04	6.61E-04	1.02E-04

1.80E+02	3.90E-04	6.79E-04	-1.62E-04
1.80E+02	3.73E-04	7.16E-04	-4.14E-04
1.80E+02	3.75E-04	7.72E-04	-4.98E-04
1.80E+02	3.49E-04	7.67E-04	-5.37E-04
1.80E+02	3.43E-04	7.38E-04	-5.57E-04
1.80E+02	3.66E-04	7.42E-04	-4.90E-04
1.80E+02	3.93E-04	7.19E-04	-5.15E-04
1.80E+02	3.96E-04	6.92E-04	-5.67E-04
1.80E+02	4.06E-04	6.80E-04	-5.38E-04
1.80E+02	4.60E-04	6.58E-04	-4.71E-04
1.80E+02	5.06E-04	6.60E-04	-3.17E-04
1.80E+02	5.43E-04	6.34E-04	-2.02E-04
1.80E+02	6.16E-04	6.02E-04	-1.40E-04
1.80E+02	6.90E-04	6.17E-04	-6.41E-05
1.80E+02	7.72E-04	6.28E-04	-7.90E-05
1.80E+02	8.07E-04	6.51E-04	-9.40E-05
1.80E+02	7.62E-04	6.81E-04	-6.87E-05
1.80E+02	7.32E-04	6.94E-04	-6.71E-05
1.80E+02	6.69E-04	7.09E-04	-3.30E-05
1.80E+02	5.13E-04	6.67E-04	-3.85E-05
1.80E+02	3.37E-04	5.96E-04	-7.36E-05
1.80E+02	1.64E-04	5.39E-04	-8.87E-05
1.80E+02	1.64E-05	4.37E-04	-2.34E-04
1.80E+02	-1.03E-04	3.11E-04	-4.31E-04
1.80E+02	-2.51E-04	1.57E-04	-5.87E-04
1.80E+02	-3.33E-04	-8.39E-06	-7.38E-04
1.80E+02	-3.30E-04	-1.21E-04	-7.68E-04
1.80E+02	-3.38E-04	-2.49E-04	-7.45E-04
1.80E+02	-3.12E-04	-3.79E-04	-6.91E-04
1.80E+02	-2.62E-04	-4.28E-04	-4.96E-04
1.80E+02	-2.01E-04	-4.18E-04	-2.59E-04
1.80E+02	-1.29E-04	-3.42E-04	-9.92E-06
1.80E+02	-8.68E-05	-2.15E-04	2.40E-04
1.80E+02	2.80E-05	-1.01E-04	4.33E-04
1.80E+02	2.18E-04	1.91E-05	6.64E-04
1.80E+02	3.83E-04	9.29E-05	8.50E-04
1.80E+02	5.40E-04	7.44E-05	8.77E-04
1.80E+02	7.01E-04	3.81E-05	8.52E-04
1.80E+02	8.76E-04	-3.09E-05	7.22E-04
1.80E+02	1.05E-03	-1.39E-04	4.84E-04
1.80E+02	1.17E-03	-2.38E-04	2.37E-04
1.80E+02	1.25E-03	-3.43E-04	-7.93E-05
1.80E+02	1.33E-03	-4.25E-04	-3.56E-04
1.80E+02	1.33E-03	-5.09E-04	-5.27E-04
1.80E+02	1.28E-03	-6.31E-04	-6.34E-04
1.80E+02	1.26E-03	-7.02E-04	-5.61E-04
1.80E+02	1.23E-03	-7.51E-04	-4.00E-04

1.80E+02	1.19E-03	-8.21E-04	-3.04E-04
1.80E+02	1.09E-03	-8.61E-04	-2.93E-04
1.80E+02	9.99E-04	-8.87E-04	-4.05E-04
1.80E+02	9.84E-04	-8.43E-04	-5.44E-04
1.80E+02	9.69E-04	-7.39E-04	-6.84E-04
1.80E+02	9.65E-04	-6.21E-04	-8.89E-04
1.80E+02	9.94E-04	-4.31E-04	-1.01E-03
1.80E+02	1.04E-03	-2.17E-04	-1.02E-03
1.81E+02	1.10E-03	-1.79E-05	-9.98E-04
1.81E+02	1.11E-03	1.78E-04	-9.33E-04
1.81E+02	1.09E-03	3.47E-04	-8.84E-04
1.81E+02	1.08E-03	5.23E-04	-8.39E-04
1.81E+02	1.01E-03	6.77E-04	-7.71E-04
1.81E+02	9.05E-04	7.69E-04	-7.50E-04
1.81E+02	8.11E-04	8.48E-04	-6.40E-04
1.81E+02	7.10E-04	9.12E-04	-4.43E-04
1.81E+02	6.37E-04	9.46E-04	-3.61E-04
1.81E+02	5.53E-04	9.71E-04	-3.31E-04
1.81E+02	4.82E-04	9.70E-04	-3.26E-04
1.81E+02	5.17E-04	9.59E-04	-3.83E-04
1.81E+02	5.69E-04	9.36E-04	-4.32E-04
1.81E+02	5.73E-04	8.44E-04	-5.15E-04
1.81E+02	5.62E-04	7.26E-04	-5.48E-04
1.81E+02	5.18E-04	6.15E-04	-4.47E-04
1.81E+02	4.52E-04	4.49E-04	-3.40E-04
1.81E+02	3.42E-04	2.51E-04	-2.32E-04
1.81E+02	1.63E-04	3.01E-05	-1.98E-04
1.81E+02	3.38E-05	-1.74E-04	-2.64E-04
1.81E+02	-4.94E-05	-2.90E-04	-3.36E-04
1.81E+02	-1.38E-04	-3.90E-04	-4.74E-04
1.81E+02	-1.80E-04	-4.78E-04	-5.73E-04
1.81E+02	-1.86E-04	-5.15E-04	-5.82E-04
1.81E+02	-1.54E-04	-5.72E-04	-6.33E-04
1.81E+02	-1.27E-04	-6.37E-04	-6.96E-04
1.81E+02	-9.63E-05	-6.93E-04	-8.01E-04
1.81E+02	4.04E-05	-7.43E-04	-9.44E-04
1.81E+02	2.23E-04	-7.41E-04	-9.91E-04
1.81E+02	3.78E-04	-7.45E-04	-1.02E-03
1.81E+02	5.22E-04	-7.52E-04	-1.04E-03
1.81E+02	6.52E-04	-6.92E-04	-9.55E-04
1.81E+02	7.47E-04	-6.44E-04	-9.17E-04
1.81E+02	7.60E-04	-6.16E-04	-9.30E-04
1.81E+02	6.65E-04	-5.94E-04	-9.08E-04
1.81E+02	5.69E-04	-5.85E-04	-9.18E-04
1.81E+02	4.86E-04	-5.57E-04	-9.55E-04
1.81E+02	3.60E-04	-5.51E-04	-1.09E-03
1.81E+02	2.73E-04	-5.48E-04	-1.29E-03

1.81E+02	2.28E-04	-5.08E-04	-1.32E-03
1.81E+02	2.24E-04	-4.65E-04	-1.22E-03
1.81E+02	2.28E-04	-4.46E-04	-1.06E-03
1.81E+02	1.68E-04	-4.56E-04	-8.16E-04
1.81E+02	1.65E-04	-5.02E-04	-5.58E-04
1.81E+02	2.16E-04	-5.72E-04	-3.44E-04
1.81E+02	2.29E-04	-6.50E-04	-2.19E-04
1.81E+02	2.75E-04	-7.09E-04	-1.87E-04
1.81E+02	3.75E-04	-6.82E-04	-1.03E-04
1.81E+02	5.04E-04	-6.18E-04	-1.09E-05
1.81E+02	6.49E-04	-5.77E-04	2.48E-05
1.81E+02	7.52E-04	-5.48E-04	7.38E-05
1.81E+02	8.52E-04	-5.54E-04	5.40E-05
1.81E+02	9.68E-04	-5.64E-04	-1.41E-05
1.81E+02	9.92E-04	-6.03E-04	-1.66E-04
1.81E+02	9.43E-04	-6.92E-04	-4.76E-04
1.81E+02	8.78E-04	-7.18E-04	-7.27E-04
1.81E+02	7.91E-04	-6.82E-04	-8.95E-04
1.81E+02	7.02E-04	-6.41E-04	-1.04E-03
1.81E+02	5.65E-04	-5.82E-04	-1.06E-03
1.81E+02	4.19E-04	-5.17E-04	-1.02E-03
1.81E+02	3.24E-04	-4.42E-04	-9.09E-04
1.81E+02	1.88E-04	-3.77E-04	-7.32E-04
1.81E+02	2.40E-05	-3.58E-04	-6.56E-04
1.81E+02	-1.12E-04	-3.10E-04	-6.44E-04
1.81E+02	-2.06E-04	-2.19E-04	-6.56E-04
1.81E+02	-2.26E-04	-1.34E-04	-7.08E-04
1.81E+02	-2.29E-04	-5.05E-05	-6.77E-04
1.81E+02	-2.01E-04	3.87E-05	-5.98E-04
1.81E+02	-8.34E-05	1.64E-04	-5.13E-04
1.81E+02	4.81E-05	3.07E-04	-4.15E-04
1.81E+02	1.69E-04	4.07E-04	-4.38E-04
1.81E+02	3.27E-04	5.09E-04	-4.92E-04
1.81E+02	5.08E-04	6.44E-04	-4.86E-04
1.81E+02	6.78E-04	7.73E-04	-5.32E-04
1.81E+02	7.63E-04	8.98E-04	-5.86E-04
1.81E+02	7.76E-04	1.01E-03	-6.54E-04
1.81E+02	8.07E-04	1.14E-03	-7.47E-04
1.81E+02	8.09E-04	1.29E-03	-7.67E-04
1.81E+02	7.73E-04	1.42E-03	-7.88E-04
1.81E+02	7.62E-04	1.53E-03	-7.78E-04
1.81E+02	7.72E-04	1.66E-03	-6.59E-04
1.81E+02	8.19E-04	1.76E-03	-5.52E-04
1.81E+02	8.55E-04	1.82E-03	-4.25E-04
1.81E+02	8.51E-04	1.86E-03	-2.28E-04
1.81E+02	9.01E-04	1.89E-03	2.94E-05
1.81E+02	9.42E-04	1.93E-03	3.43E-04

1.81E+02	9.20E-04	1.91E-03	5.60E-04
1.81E+02	8.97E-04	1.86E-03	6.64E-04
1.81E+02	8.49E-04	1.79E-03	7.16E-04
1.81E+02	7.81E-04	1.69E-03	6.55E-04
1.81E+02	6.58E-04	1.58E-03	5.06E-04
1.81E+02	4.66E-04	1.48E-03	2.81E-04
1.81E+02	3.26E-04	1.38E-03	-3.24E-06
1.81E+02	2.11E-04	1.30E-03	-1.90E-04
1.81E+02	7.74E-05	1.19E-03	-2.87E-04
1.81E+02	-2.73E-05	1.04E-03	-3.21E-04
1.81E+02	-1.02E-04	9.37E-04	-1.98E-04
1.81E+02	-1.18E-04	8.57E-04	-5.47E-05
1.81E+02	-1.05E-04	7.82E-04	1.58E-05
1.81E+02	-1.18E-04	7.54E-04	5.74E-05
1.81E+02	-8.62E-05	7.64E-04	2.75E-05
1.81E+02	-3.13E-05	8.19E-04	3.43E-06
1.81E+02	-2.12E-05	8.78E-04	-9.92E-06
1.81E+02	-1.26E-05	8.81E-04	-7.25E-05
1.81E+02	-9.73E-06	8.91E-04	-6.83E-05
1.81E+02	1.13E-05	9.02E-04	-5.09E-05
1.81E+02	3.78E-05	8.85E-04	-8.60E-05
1.81E+02	-8.96E-06	9.07E-04	-7.65E-05
1.81E+02	-4.60E-05	9.58E-04	-1.07E-04
1.81E+02	-4.14E-05	1.07E-03	-1.80E-04
1.81E+02	-7.38E-05	1.24E-03	-2.45E-04
1.81E+02	-1.13E-04	1.39E-03	-3.28E-04
1.81E+02	-1.42E-04	1.53E-03	-2.93E-04
1.81E+02	-1.41E-04	1.64E-03	-1.88E-04
1.81E+02	-9.04E-05	1.69E-03	-9.48E-05
1.81E+02	-5.11E-05	1.71E-03	6.37E-05
1.81E+02	3.11E-05	1.71E-03	1.71E-04
1.81E+02	1.74E-04	1.74E-03	2.22E-04
1.81E+02	2.87E-04	1.78E-03	2.18E-04
1.81E+02	4.02E-04	1.79E-03	7.13E-05
1.81E+02	5.25E-04	1.81E-03	8.77E-06
1.81E+02	6.28E-04	1.86E-03	8.41E-05
1.81E+02	7.22E-04	1.87E-03	1.77E-04
1.81E+02	7.47E-04	1.86E-03	3.54E-04
1.81E+02	7.30E-04	1.81E-03	5.65E-04
1.81E+02	7.42E-04	1.73E-03	7.81E-04
1.81E+02	7.07E-04	1.67E-03	9.55E-04
1.81E+02	6.31E-04	1.58E-03	9.24E-04
1.81E+02	5.74E-04	1.55E-03	7.84E-04
1.81E+02	5.41E-04	1.60E-03	6.09E-04
1.81E+02	5.64E-04	1.67E-03	3.27E-04
1.81E+02	5.67E-04	1.75E-03	4.60E-05
1.81E+02	5.75E-04	1.84E-03	-1.30E-04

1.81E+02	7.06E-04	1.92E-03	-1.63E-04
1.81E+02	8.41E-04	1.94E-03	-6.50E-05
1.81E+02	9.48E-04	1.88E-03	2.42E-05
1.81E+02	1.09E-03	1.81E-03	1.32E-04
1.81E+02	1.23E-03	1.77E-03	2.86E-04
1.81E+02	1.34E-03	1.72E-03	3.66E-04
1.81E+02	1.39E-03	1.71E-03	4.03E-04
1.81E+02	1.39E-03	1.71E-03	3.98E-04
1.81E+02	1.43E-03	1.74E-03	3.62E-04
1.81E+02	1.45E-03	1.80E-03	3.57E-04
1.81E+02	1.41E-03	1.80E-03	2.96E-04
1.81E+02	1.36E-03	1.79E-03	2.36E-04
1.81E+02	1.27E-03	1.82E-03	2.57E-04
1.81E+02	1.16E-03	1.81E-03	2.45E-04
1.81E+02	9.66E-04	1.80E-03	2.49E-04
1.81E+02	7.03E-04	1.83E-03	3.64E-04
1.81E+02	4.68E-04	1.88E-03	5.35E-04
1.81E+02	2.37E-04	1.97E-03	7.55E-04
1.81E+02	3.26E-05	2.02E-03	9.08E-04
1.81E+02	-1.07E-04	2.01E-03	9.47E-04
1.81E+02	-1.71E-04	2.01E-03	9.46E-04
1.81E+02	-1.52E-04	1.99E-03	8.05E-04
1.81E+02	-9.92E-05	1.98E-03	5.93E-04
1.81E+02	-3.70E-05	2.01E-03	4.39E-04
1.81E+02	9.17E-05	2.06E-03	2.82E-04
1.81E+02	2.54E-04	2.13E-03	1.78E-04
1.81E+02	3.69E-04	2.18E-03	7.04E-05
1.81E+02	4.92E-04	2.18E-03	-5.47E-05
1.81E+02	6.33E-04	2.20E-03	-9.23E-05
1.81E+02	7.89E-04	2.17E-03	-1.89E-04
1.81E+02	9.41E-04	2.12E-03	-3.29E-04
1.81E+02	1.03E-03	2.08E-03	-4.24E-04
1.81E+02	1.14E-03	2.06E-03	-5.37E-04
1.81E+02	1.25E-03	2.05E-03	-5.83E-04
1.81E+02	1.26E-03	2.01E-03	-6.11E-04
1.81E+02	1.25E-03	1.91E-03	-6.66E-04
1.81E+02	1.22E-03	1.79E-03	-6.51E-04
1.81E+02	1.16E-03	1.66E-03	-6.45E-04
1.81E+02	1.10E-03	1.52E-03	-6.49E-04
1.81E+02	9.97E-04	1.41E-03	-5.77E-04
1.81E+02	9.38E-04	1.30E-03	-4.84E-04
1.81E+02	9.54E-04	1.19E-03	-3.18E-04
1.81E+02	9.76E-04	1.08E-03	-9.14E-05
1.81E+02	1.03E-03	9.00E-04	8.81E-05
1.81E+02	1.12E-03	7.30E-04	2.82E-04
1.81E+02	1.21E-03	5.61E-04	3.98E-04
1.81E+02	1.30E-03	3.96E-04	3.81E-04

1.81E+02	1.31E-03	2.92E-04	3.45E-04
1.81E+02	1.30E-03	2.44E-04	2.55E-04
1.81E+02	1.30E-03	2.84E-04	1.79E-04
1.81E+02	1.23E-03	3.79E-04	1.63E-04
1.81E+02	1.12E-03	4.48E-04	1.50E-04
1.81E+02	9.95E-04	5.20E-04	2.66E-04
1.81E+02	8.38E-04	5.64E-04	4.37E-04
1.81E+02	6.62E-04	5.66E-04	5.08E-04
1.81E+02	4.40E-04	5.68E-04	5.01E-04
1.81E+02	2.16E-04	5.64E-04	3.83E-04
1.81E+02	7.44E-05	6.08E-04	2.49E-04
1.81E+02	-6.33E-05	6.71E-04	1.50E-04
1.81E+02	-1.92E-04	7.18E-04	2.00E-05
1.81E+02	-2.47E-04	8.09E-04	-4.77E-06
1.81E+02	-2.60E-04	9.01E-04	2.33E-05
1.81E+02	-2.33E-04	9.59E-04	-4.54E-05
1.81E+02	-1.94E-04	1.01E-03	-1.07E-04
1.81E+02	-1.25E-04	1.04E-03	-1.80E-04
1.81E+02	8.39E-06	1.08E-03	-2.54E-04
1.81E+02	1.18E-04	1.10E-03	-3.01E-04
1.82E+02	2.06E-04	1.06E-03	-4.42E-04
1.82E+02	3.18E-04	1.01E-03	-5.40E-04
1.82E+02	4.29E-04	9.66E-04	-5.22E-04
1.82E+02	5.29E-04	8.79E-04	-4.86E-04
1.82E+02	5.74E-04	7.91E-04	-3.70E-04
1.82E+02	5.86E-04	7.06E-04	-2.46E-04
1.82E+02	6.25E-04	6.30E-04	-1.50E-04
1.82E+02	6.22E-04	5.69E-04	-7.82E-06
1.82E+02	5.70E-04	4.58E-04	1.17E-04
1.82E+02	5.23E-04	3.20E-04	2.76E-04
1.82E+02	4.69E-04	1.62E-04	4.65E-04
1.82E+02	4.27E-04	-7.17E-05	5.50E-04
1.82E+02	3.67E-04	-3.31E-04	5.91E-04
1.82E+02	3.03E-04	-5.71E-04	5.89E-04
1.82E+02	3.07E-04	-7.67E-04	5.18E-04
1.82E+02	3.05E-04	-8.99E-04	4.29E-04
1.82E+02	2.88E-04	-1.01E-03	2.47E-04
1.82E+02	3.07E-04	-1.07E-03	8.98E-05
1.82E+02	3.19E-04	-1.05E-03	4.73E-05
1.82E+02	3.26E-04	-9.95E-04	-2.96E-05
1.82E+02	2.83E-04	-8.93E-04	-1.21E-04
1.82E+02	1.70E-04	-7.61E-04	-2.35E-04
1.82E+02	8.85E-05	-6.08E-04	-3.94E-04
1.82E+02	4.58E-06	-4.45E-04	-4.99E-04
1.82E+02	-1.29E-04	-3.45E-04	-5.73E-04
1.82E+02	-2.58E-04	-2.91E-04	-5.49E-04
1.82E+02	-3.81E-04	-2.48E-04	-3.91E-04

1.82E+02	-4.76E-04	-2.51E-04	-2.86E-04
1.82E+02	-5.64E-04	-2.72E-04	-2.29E-04
1.82E+02	-6.74E-04	-2.80E-04	-1.75E-04
1.82E+02	-7.11E-04	-2.66E-04	-1.60E-04
1.82E+02	-7.06E-04	-2.08E-04	-1.35E-04
1.82E+02	-7.30E-04	-1.54E-04	-1.83E-04
1.82E+02	-7.23E-04	-1.01E-04	-2.98E-04
1.82E+02	-7.02E-04	-1.28E-05	-3.58E-04
1.82E+02	-6.87E-04	6.39E-05	-4.29E-04
1.82E+02	-6.98E-04	9.31E-05	-4.96E-04
1.82E+02	-7.58E-04	5.84E-05	-5.50E-04
1.82E+02	-7.79E-04	-1.22E-05	-6.19E-04
1.82E+02	-7.73E-04	-6.64E-05	-5.95E-04
1.82E+02	-8.00E-04	-1.13E-04	-5.38E-04
1.82E+02	-8.18E-04	-1.37E-04	-5.00E-04
1.82E+02	-8.22E-04	-9.77E-05	-4.18E-04
1.82E+02	-8.13E-04	-3.83E-05	-4.02E-04
1.82E+02	-8.07E-04	2.86E-06	-4.69E-04
1.82E+02	-8.52E-04	3.51E-05	-5.38E-04
1.82E+02	-8.98E-04	5.59E-05	-6.21E-04
1.82E+02	-9.16E-04	1.04E-04	-6.06E-04
1.82E+02	-9.71E-04	1.45E-04	-5.24E-04
1.82E+02	-1.05E-03	1.24E-04	-5.15E-04
1.82E+02	-1.12E-03	1.23E-04	-4.62E-04
1.82E+02	-1.17E-03	1.30E-04	-3.93E-04
1.82E+02	-1.22E-03	9.88E-05	-3.96E-04
1.82E+02	-1.28E-03	5.05E-05	-4.31E-04
1.82E+02	-1.26E-03	-3.38E-05	-5.46E-04
1.82E+02	-1.12E-03	-1.25E-04	-6.66E-04
1.82E+02	-9.63E-04	-2.46E-04	-7.52E-04
1.82E+02	-7.67E-04	-4.37E-04	-8.38E-04
1.82E+02	-5.29E-04	-6.54E-04	-8.05E-04
1.82E+02	-2.95E-04	-9.05E-04	-7.14E-04
1.82E+02	-6.69E-05	-1.20E-03	-6.63E-04
1.82E+02	9.17E-05	-1.47E-03	-5.37E-04
1.82E+02	2.06E-04	-1.71E-03	-3.93E-04
1.82E+02	3.10E-04	-1.88E-03	-2.99E-04
1.82E+02	3.27E-04	-1.99E-03	-2.24E-04
1.82E+02	2.76E-04	-2.13E-03	-2.17E-04
1.82E+02	2.03E-04	-2.27E-03	-1.32E-04
1.82E+02	9.40E-05	-2.40E-03	3.64E-05
1.82E+02	-4.04E-05	-2.59E-03	1.38E-04
1.82E+02	-2.29E-04	-2.77E-03	2.64E-04
1.82E+02	-4.24E-04	-2.91E-03	3.49E-04
1.82E+02	-5.43E-04	-3.01E-03	3.60E-04
1.82E+02	-6.40E-04	-3.03E-03	3.61E-04
1.82E+02	-7.06E-04	-3.01E-03	2.85E-04

1.82E+02	-6.98E-04	-2.93E-03	2.31E-04
1.82E+02	-6.47E-04	-2.81E-03	2.12E-04
1.82E+02	-5.43E-04	-2.70E-03	1.38E-04
1.82E+02	-4.49E-04	-2.58E-03	7.44E-05
1.82E+02	-3.73E-04	-2.47E-03	-1.03E-05
1.82E+02	-2.49E-04	-2.32E-03	-1.15E-04
1.82E+02	-1.79E-04	-2.15E-03	-2.26E-04
1.82E+02	-1.63E-04	-2.00E-03	-4.28E-04
1.82E+02	-1.33E-04	-1.83E-03	-5.83E-04
1.82E+02	-1.08E-04	-1.64E-03	-6.03E-04
1.82E+02	-7.13E-05	-1.46E-03	-5.45E-04
1.82E+02	-1.00E-04	-1.30E-03	-3.37E-04
1.82E+02	-1.92E-04	-1.18E-03	-5.42E-05
1.82E+02	-2.61E-04	-1.11E-03	1.83E-04
1.82E+02	-3.85E-04	-1.07E-03	3.56E-04
1.82E+02	-5.63E-04	-1.09E-03	3.77E-04
1.82E+02	-7.12E-04	-1.10E-03	3.25E-04
1.82E+02	-8.21E-04	-1.06E-03	3.17E-04
1.82E+02	-8.81E-04	-9.89E-04	2.94E-04
1.82E+02	-9.30E-04	-9.05E-04	2.99E-04
1.82E+02	-9.86E-04	-8.25E-04	3.33E-04
1.82E+02	-1.00E-03	-7.56E-04	3.67E-04
1.82E+02	-1.04E-03	-7.15E-04	4.17E-04
1.82E+02	-1.14E-03	-7.46E-04	3.47E-04
1.82E+02	-1.24E-03	-8.03E-04	1.87E-04
1.82E+02	-1.31E-03	-8.18E-04	7.02E-05
1.82E+02	-1.33E-03	-8.11E-04	-4.18E-05
1.82E+02	-1.34E-03	-7.78E-04	-1.15E-04
1.82E+02	-1.34E-03	-7.03E-04	-1.44E-04
1.82E+02	-1.26E-03	-6.17E-04	-1.68E-04
1.82E+02	-1.15E-03	-5.42E-04	-1.69E-04
1.82E+02	-1.09E-03	-5.29E-04	-2.34E-04
1.82E+02	-1.03E-03	-5.76E-04	-3.09E-04
1.82E+02	-9.56E-04	-6.40E-04	-2.64E-04
1.82E+02	-9.16E-04	-7.42E-04	-1.83E-04
1.82E+02	-9.23E-04	-8.81E-04	-5.09E-05
1.82E+02	-1.02E-03	-1.04E-03	1.51E-04
1.82E+02	-1.14E-03	-1.20E-03	3.32E-04
1.82E+02	-1.23E-03	-1.31E-03	4.92E-04
1.82E+02	-1.37E-03	-1.44E-03	5.45E-04
1.82E+02	-1.45E-03	-1.56E-03	5.08E-04
1.82E+02	-1.47E-03	-1.63E-03	4.94E-04
1.82E+02	-1.44E-03	-1.70E-03	3.89E-04
1.82E+02	-1.37E-03	-1.79E-03	2.19E-04
1.82E+02	-1.33E-03	-1.87E-03	1.05E-04
1.82E+02	-1.26E-03	-1.97E-03	1.58E-05
1.82E+02	-1.15E-03	-2.05E-03	3.62E-06

1.82E+02	-1.09E-03	-2.14E-03	4.20E-06
1.82E+02	-1.01E-03	-2.26E-03	-3.59E-05
1.82E+02	-9.03E-04	-2.30E-03	4.29E-05
1.82E+02	-7.92E-04	-2.31E-03	1.49E-04
1.82E+02	-6.97E-04	-2.33E-03	2.27E-04
1.82E+02	-6.88E-04	-2.32E-03	3.58E-04
1.82E+02	-7.13E-04	-2.29E-03	4.31E-04
1.82E+02	-7.27E-04	-2.22E-03	5.03E-04
1.82E+02	-7.96E-04	-2.15E-03	5.71E-04
1.82E+02	-8.74E-04	-2.11E-03	5.72E-04
1.82E+02	-9.15E-04	-2.04E-03	6.39E-04
1.82E+02	-9.49E-04	-1.97E-03	6.48E-04
1.82E+02	-9.86E-04	-1.91E-03	5.58E-04
1.82E+02	-1.06E-03	-1.86E-03	5.16E-04
1.82E+02	-1.13E-03	-1.80E-03	4.57E-04
1.82E+02	-1.15E-03	-1.74E-03	4.22E-04
1.82E+02	-1.20E-03	-1.69E-03	4.65E-04
1.82E+02	-1.25E-03	-1.65E-03	5.33E-04
1.82E+02	-1.28E-03	-1.59E-03	6.64E-04
1.82E+02	-1.28E-03	-1.49E-03	7.75E-04
1.82E+02	-1.25E-03	-1.39E-03	7.79E-04
1.82E+02	-1.25E-03	-1.32E-03	7.42E-04
1.82E+02	-1.26E-03	-1.25E-03	6.71E-04
1.82E+02	-1.20E-03	-1.22E-03	6.42E-04
1.82E+02	-1.16E-03	-1.22E-03	6.39E-04
1.82E+02	-1.15E-03	-1.30E-03	5.48E-04
1.82E+02	-1.08E-03	-1.43E-03	5.41E-04
1.82E+02	-1.02E-03	-1.54E-03	6.33E-04
1.82E+02	-9.73E-04	-1.69E-03	6.44E-04
1.82E+02	-9.44E-04	-1.81E-03	6.23E-04
1.82E+02	-9.06E-04	-1.89E-03	6.06E-04
1.82E+02	-8.00E-04	-1.94E-03	6.05E-04
1.82E+02	-7.19E-04	-1.95E-03	5.89E-04
1.82E+02	-6.83E-04	-2.01E-03	4.69E-04
1.82E+02	-6.36E-04	-2.06E-03	3.52E-04
1.82E+02	-6.09E-04	-2.10E-03	2.69E-04
1.82E+02	-6.24E-04	-2.17E-03	1.59E-04
1.82E+02	-7.06E-04	-2.24E-03	7.97E-05
1.82E+02	-8.34E-04	-2.28E-03	-4.01E-06
1.82E+02	-9.49E-04	-2.24E-03	-9.78E-05
1.82E+02	-1.10E-03	-2.14E-03	-1.59E-04
1.82E+02	-1.30E-03	-2.05E-03	-2.33E-04
1.82E+02	-1.49E-03	-1.92E-03	-2.17E-04
1.82E+02	-1.65E-03	-1.76E-03	-4.16E-05
1.82E+02	-1.79E-03	-1.64E-03	1.70E-04
1.82E+02	-1.96E-03	-1.55E-03	3.81E-04
1.82E+02	-2.11E-03	-1.46E-03	5.72E-04

1.82E+02	-2.19E-03	-1.37E-03	6.97E-04
1.82E+02	-2.26E-03	-1.27E-03	7.81E-04
1.82E+02	-2.34E-03	-1.19E-03	7.52E-04
1.82E+02	-2.39E-03	-1.12E-03	6.47E-04
1.82E+02	-2.40E-03	-1.02E-03	6.04E-04
1.82E+02	-2.37E-03	-9.69E-04	5.57E-04
1.82E+02	-2.36E-03	-9.73E-04	5.08E-04
1.82E+02	-2.38E-03	-1.02E-03	4.73E-04
1.82E+02	-2.36E-03	-1.07E-03	4.00E-04
1.82E+02	-2.32E-03	-1.12E-03	3.34E-04
1.82E+02	-2.30E-03	-1.18E-03	2.18E-04
1.82E+02	-2.22E-03	-1.22E-03	1.09E-04
1.82E+02	-2.10E-03	-1.21E-03	1.08E-04
1.82E+02	-1.96E-03	-1.18E-03	1.05E-04
1.82E+02	-1.81E-03	-1.17E-03	1.30E-04
1.82E+02	-1.69E-03	-1.16E-03	2.31E-04
1.82E+02	-1.51E-03	-1.12E-03	3.60E-04
1.82E+02	-1.30E-03	-1.05E-03	5.20E-04
1.82E+02	-1.14E-03	-9.77E-04	6.15E-04
1.82E+02	-9.75E-04	-8.88E-04	6.83E-04
1.82E+02	-8.04E-04	-7.49E-04	8.40E-04
1.82E+02	-6.37E-04	-6.48E-04	9.90E-04
1.82E+02	-5.04E-04	-5.95E-04	1.12E-03
1.82E+02	-4.67E-04	-5.78E-04	1.26E-03
1.82E+02	-4.54E-04	-5.97E-04	1.34E-03
1.82E+02	-4.57E-04	-6.29E-04	1.35E-03
1.82E+02	-5.47E-04	-7.28E-04	1.18E-03
1.82E+02	-6.68E-04	-8.72E-04	8.83E-04
1.82E+02	-8.02E-04	-9.78E-04	6.27E-04
1.82E+02	-9.55E-04	-1.05E-03	3.90E-04
1.82E+02	-1.14E-03	-1.08E-03	1.97E-04
1.82E+02	-1.37E-03	-1.08E-03	1.17E-04
1.83E+02	-1.58E-03	-1.08E-03	9.86E-05
1.83E+02	-1.73E-03	-1.07E-03	2.05E-04
1.83E+02	-1.91E-03	-1.10E-03	3.83E-04
1.83E+02	-2.06E-03	-1.15E-03	5.13E-04
1.83E+02	-2.16E-03	-1.18E-03	6.51E-04
1.83E+02	-2.20E-03	-1.16E-03	6.84E-04
1.83E+02	-2.18E-03	-1.14E-03	5.78E-04
1.83E+02	-2.17E-03	-1.08E-03	4.86E-04
1.83E+02	-2.13E-03	-9.94E-04	4.25E-04
1.83E+02	-2.02E-03	-8.69E-04	4.81E-04
1.83E+02	-1.95E-03	-7.57E-04	6.39E-04
1.83E+02	-1.92E-03	-6.97E-04	8.10E-04
1.83E+02	-1.86E-03	-6.23E-04	1.07E-03
1.83E+02	-1.83E-03	-5.71E-04	1.29E-03
1.83E+02	-1.84E-03	-5.46E-04	1.35E-03

1.83E+02	-1.91E-03	-4.92E-04	1.27E-03
1.83E+02	-2.01E-03	-4.06E-04	1.07E-03
1.83E+02	-2.04E-03	-2.63E-04	8.15E-04
1.83E+02	-2.06E-03	-8.72E-05	5.41E-04
1.83E+02	-2.07E-03	7.29E-05	1.93E-04
1.83E+02	-2.03E-03	2.47E-04	-1.06E-04
1.83E+02	-1.96E-03	4.13E-04	-3.46E-04
1.83E+02	-1.87E-03	5.33E-04	-5.80E-04
1.83E+02	-1.82E-03	6.30E-04	-7.04E-04
1.83E+02	-1.80E-03	7.26E-04	-7.52E-04
1.83E+02	-1.76E-03	8.64E-04	-7.79E-04
1.83E+02	-1.76E-03	1.02E-03	-7.97E-04
1.83E+02	-1.76E-03	1.14E-03	-8.35E-04
1.83E+02	-1.73E-03	1.22E-03	-7.92E-04
1.83E+02	-1.71E-03	1.27E-03	-6.71E-04
1.83E+02	-1.68E-03	1.24E-03	-5.74E-04
1.83E+02	-1.68E-03	1.16E-03	-4.69E-04
1.83E+02	-1.70E-03	1.07E-03	-3.57E-04
1.83E+02	-1.65E-03	1.00E-03	-2.90E-04
1.83E+02	-1.58E-03	9.87E-04	-2.60E-04
1.83E+02	-1.52E-03	9.72E-04	-3.21E-04
1.83E+02	-1.41E-03	9.69E-04	-3.89E-04
1.83E+02	-1.25E-03	9.72E-04	-3.36E-04
1.83E+02	-1.04E-03	9.03E-04	-2.58E-04
1.83E+02	-8.47E-04	7.66E-04	-1.59E-04
1.83E+02	-6.88E-04	5.56E-04	-3.72E-05
1.83E+02	-5.10E-04	3.15E-04	2.04E-05
1.83E+02	-3.56E-04	1.05E-04	9.73E-06
1.83E+02	-2.72E-04	-8.79E-05	-1.47E-04
1.83E+02	-1.98E-04	-2.03E-04	-3.90E-04
1.83E+02	-1.26E-04	-2.29E-04	-5.91E-04
1.83E+02	-5.19E-05	-2.25E-04	-7.64E-04
1.83E+02	-5.91E-06	-1.90E-04	-8.29E-04
1.83E+02	1.72E-05	-1.53E-04	-7.81E-04
1.83E+02	1.09E-04	-1.32E-04	-7.27E-04
1.83E+02	2.13E-04	-1.26E-04	-7.06E-04
1.83E+02	2.84E-04	-1.70E-04	-7.66E-04
1.83E+02	3.69E-04	-2.17E-04	-8.32E-04
1.83E+02	4.52E-04	-2.04E-04	-8.01E-04
1.83E+02	5.38E-04	-1.81E-04	-7.38E-04
1.83E+02	5.65E-04	-1.51E-04	-6.27E-04
1.83E+02	4.92E-04	-1.00E-04	-4.57E-04
1.83E+02	4.03E-04	-3.95E-05	-3.16E-04
1.83E+02	2.66E-04	2.69E-05	-2.32E-04
1.83E+02	2.25E-05	3.76E-05	-3.04E-04
1.83E+02	-2.56E-04	8.58E-06	-5.19E-04
1.83E+02	-5.30E-04	4.96E-06	-6.76E-04

1.83E+02	-8.01E-04	1.35E-05	-7.39E-04
1.83E+02	-1.07E-03	4.16E-05	-7.07E-04
1.83E+02	-1.35E-03	8.95E-05	-5.58E-04
1.83E+02	-1.57E-03	1.51E-04	-3.38E-04
1.83E+02	-1.70E-03	2.39E-04	-6.05E-05
1.83E+02	-1.81E-03	3.25E-04	1.60E-04
1.83E+02	-1.84E-03	4.21E-04	2.48E-04
1.83E+02	-1.77E-03	5.74E-04	2.96E-04
1.83E+02	-1.64E-03	7.52E-04	2.57E-04
1.83E+02	-1.45E-03	9.00E-04	1.13E-04
1.83E+02	-1.25E-03	1.04E-03	2.73E-05
1.83E+02	-9.95E-04	1.15E-03	4.92E-05
1.83E+02	-7.07E-04	1.23E-03	1.54E-04
1.83E+02	-4.70E-04	1.22E-03	2.57E-04
1.83E+02	-2.45E-04	1.11E-03	2.74E-04
1.83E+02	-3.17E-05	9.60E-04	3.10E-04
1.83E+02	1.56E-04	7.95E-04	3.35E-04
1.83E+02	3.10E-04	6.25E-04	2.73E-04
1.83E+02	3.99E-04	5.35E-04	2.45E-04
1.83E+02	4.95E-04	5.37E-04	2.49E-04
1.83E+02	6.21E-04	6.01E-04	2.42E-04
1.83E+02	7.06E-04	6.72E-04	1.91E-04
1.83E+02	7.45E-04	6.98E-04	4.08E-05
1.83E+02	7.66E-04	7.00E-04	-8.56E-05
1.83E+02	7.49E-04	6.78E-04	-1.82E-04
1.83E+02	6.74E-04	6.27E-04	-3.22E-04
1.83E+02	5.08E-04	6.15E-04	-3.90E-04
1.83E+02	2.81E-04	6.79E-04	-3.73E-04
1.83E+02	7.17E-05	8.23E-04	-2.80E-04
1.83E+02	-1.79E-04	9.94E-04	-1.11E-04
1.83E+02	-4.26E-04	1.12E-03	3.30E-05
1.83E+02	-5.76E-04	1.23E-03	2.28E-04
1.83E+02	-6.55E-04	1.35E-03	4.54E-04
1.83E+02	-6.56E-04	1.43E-03	5.27E-04
1.83E+02	-6.15E-04	1.49E-03	4.68E-04
1.83E+02	-5.23E-04	1.56E-03	3.12E-04
1.83E+02	-3.61E-04	1.62E-03	1.04E-04
1.83E+02	-2.16E-04	1.67E-03	-4.73E-05
1.83E+02	-9.08E-05	1.69E-03	-1.55E-04
1.83E+02	1.74E-05	1.70E-03	-1.60E-04
1.83E+02	1.07E-04	1.72E-03	-5.91E-05
1.83E+02	2.07E-04	1.71E-03	-4.58E-06
1.83E+02	2.57E-04	1.67E-03	3.47E-05
1.83E+02	2.84E-04	1.65E-03	2.71E-05
1.83E+02	3.65E-04	1.65E-03	-7.99E-05
1.83E+02	4.34E-04	1.67E-03	-2.28E-04
1.83E+02	4.77E-04	1.67E-03	-4.65E-04

1.83E+02	5.39E-04	1.68E-03	-6.74E-04
1.83E+02	6.15E-04	1.71E-03	-7.51E-04
1.83E+02	6.92E-04	1.72E-03	-8.06E-04
1.83E+02	7.07E-04	1.69E-03	-8.63E-04
1.83E+02	6.59E-04	1.64E-03	-9.49E-04
1.83E+02	6.10E-04	1.57E-03	-1.06E-03
1.83E+02	5.11E-04	1.54E-03	-1.13E-03
1.83E+02	3.40E-04	1.50E-03	-1.21E-03
1.83E+02	1.53E-04	1.49E-03	-1.23E-03
1.83E+02	-2.16E-05	1.53E-03	-1.11E-03
1.83E+02	-1.58E-04	1.55E-03	-9.49E-04
1.83E+02	-2.75E-04	1.54E-03	-7.76E-04
1.83E+02	-3.66E-04	1.49E-03	-5.86E-04
1.83E+02	-3.59E-04	1.42E-03	-3.81E-04
1.83E+02	-3.11E-04	1.36E-03	-1.41E-04
1.83E+02	-2.63E-04	1.25E-03	5.15E-05
1.83E+02	-1.69E-04	1.13E-03	2.21E-04
1.83E+02	-8.07E-05	1.02E-03	4.34E-04
1.83E+02	1.32E-05	9.25E-04	6.36E-04
1.83E+02	9.29E-05	8.62E-04	8.26E-04
1.83E+02	1.23E-04	8.09E-04	9.63E-04
1.83E+02	2.41E-04	8.01E-04	9.86E-04
1.83E+02	4.24E-04	8.63E-04	9.40E-04
1.83E+02	6.05E-04	9.35E-04	7.69E-04
1.83E+02	8.31E-04	9.98E-04	4.93E-04
1.83E+02	1.10E-03	1.06E-03	2.90E-04
1.83E+02	1.41E-03	1.10E-03	1.34E-04
1.83E+02	1.70E-03	1.05E-03	2.21E-05
1.83E+02	1.93E-03	9.56E-04	6.48E-06
1.83E+02	2.14E-03	8.19E-04	-4.02E-05
1.83E+02	2.34E-03	6.78E-04	-1.23E-04
1.83E+02	2.47E-03	5.54E-04	-2.84E-04
1.83E+02	2.57E-03	4.36E-04	-5.33E-04
1.83E+02	2.66E-03	3.99E-04	-6.92E-04
1.83E+02	2.72E-03	4.10E-04	-8.29E-04
1.83E+02	2.74E-03	4.14E-04	-9.09E-04
1.83E+02	2.69E-03	4.42E-04	-8.15E-04
1.83E+02	2.65E-03	4.51E-04	-6.51E-04
1.83E+02	2.61E-03	4.48E-04	-3.95E-04
1.83E+02	2.51E-03	4.14E-04	-9.42E-05
1.83E+02	2.39E-03	3.41E-04	2.16E-04
1.83E+02	2.27E-03	3.11E-04	6.12E-04
1.83E+02	2.16E-03	2.75E-04	9.28E-04
1.83E+02	2.03E-03	1.98E-04	1.11E-03
1.83E+02	1.81E-03	1.19E-04	1.30E-03
1.83E+02	1.55E-03	3.87E-05	1.51E-03
1.83E+02	1.29E-03	-1.56E-05	1.79E-03

1.83E+02	9.40E-04	-4.73E-05	2.08E-03
1.83E+02	5.48E-04	-7.42E-05	2.22E-03
1.83E+02	1.68E-04	-4.75E-05	2.27E-03
1.83E+02	-2.07E-04	3.80E-05	2.23E-03
1.83E+02	-5.68E-04	1.72E-04	2.06E-03
1.83E+02	-9.15E-04	3.79E-04	1.86E-03
1.83E+02	-1.19E-03	6.51E-04	1.63E-03
1.83E+02	-1.33E-03	9.54E-04	1.39E-03
1.83E+02	-1.40E-03	1.24E-03	1.18E-03
1.83E+02	-1.38E-03	1.46E-03	9.67E-04
1.83E+02	-1.28E-03	1.64E-03	8.17E-04
1.83E+02	-1.11E-03	1.78E-03	7.11E-04
1.83E+02	-8.60E-04	1.87E-03	5.31E-04
1.83E+02	-6.43E-04	1.92E-03	3.16E-04
1.83E+02	-4.35E-04	2.00E-03	8.53E-05
1.83E+02	-1.94E-04	2.10E-03	-1.94E-04
1.83E+02	-3.30E-05	2.17E-03	-4.61E-04
1.83E+02	3.66E-05	2.20E-03	-6.93E-04
1.83E+02	5.66E-05	2.18E-03	-8.20E-04
1.83E+02	3.24E-05	2.10E-03	-8.08E-04
1.83E+02	-2.92E-05	1.97E-03	-7.19E-04
1.83E+02	-1.56E-04	1.82E-03	-5.15E-04
1.83E+02	-3.14E-04	1.66E-03	-2.49E-04
1.83E+02	-4.30E-04	1.47E-03	3.93E-05
1.83E+02	-5.56E-04	1.30E-03	3.82E-04
1.83E+02	-7.16E-04	1.10E-03	6.57E-04
1.83E+02	-8.17E-04	9.00E-04	8.81E-04
1.83E+02	-8.70E-04	6.90E-04	1.09E-03
1.83E+02	-8.84E-04	4.32E-04	1.17E-03
1.83E+02	-8.39E-04	1.65E-04	1.18E-03
1.83E+02	-7.45E-04	-1.18E-04	1.17E-03
1.83E+02	-5.44E-04	-3.48E-04	1.15E-03
1.83E+02	-3.05E-04	-4.94E-04	1.15E-03
1.83E+02	-7.31E-05	-6.13E-04	1.01E-03
1.83E+02	2.10E-04	-6.67E-04	8.32E-04
1.83E+02	4.73E-04	-6.31E-04	8.01E-04
1.83E+02	7.02E-04	-5.73E-04	8.03E-04
1.83E+02	8.49E-04	-5.38E-04	7.93E-04
1.83E+02	8.70E-04	-5.28E-04	7.76E-04
1.83E+02	8.82E-04	-5.16E-04	7.25E-04
1.83E+02	8.62E-04	-4.82E-04	6.92E-04
1.83E+02	7.92E-04	-4.74E-04	6.33E-04
1.83E+02	7.33E-04	-4.82E-04	5.82E-04
1.83E+02	6.68E-04	-4.75E-04	6.20E-04
1.84E+02	6.11E-04	-5.11E-04	6.26E-04
1.84E+02	5.25E-04	-5.72E-04	6.30E-04
1.84E+02	3.80E-04	-6.23E-04	7.11E-04

1.84E+02	2.66E-04	-6.62E-04	8.12E-04
1.84E+02	1.56E-04	-6.73E-04	9.69E-04
1.84E+02	1.68E-05	-6.81E-04	1.10E-03
1.84E+02	-5.53E-05	-6.59E-04	1.19E-03
1.84E+02	-4.01E-05	-5.40E-04	1.33E-03
1.84E+02	5.74E-05	-3.75E-04	1.38E-03
1.84E+02	2.20E-04	-2.00E-04	1.32E-03
1.84E+02	4.06E-04	-2.17E-05	1.17E-03
1.84E+02	6.64E-04	1.04E-04	8.72E-04
1.84E+02	9.70E-04	1.74E-04	5.31E-04
1.84E+02	1.25E-03	1.72E-04	1.68E-04
1.84E+02	1.51E-03	8.01E-05	-1.28E-04
1.84E+02	1.76E-03	-4.90E-05	-2.32E-04
1.84E+02	1.98E-03	-2.31E-04	-2.80E-04
1.84E+02	2.13E-03	-4.72E-04	-3.01E-04
1.84E+02	2.17E-03	-7.10E-04	-2.38E-04
1.84E+02	2.17E-03	-9.10E-04	-1.43E-04
1.84E+02	2.14E-03	-1.04E-03	-9.54E-06
1.84E+02	2.01E-03	-1.14E-03	1.08E-04
1.84E+02	1.84E-03	-1.23E-03	1.71E-04
1.84E+02	1.65E-03	-1.26E-03	2.81E-04
1.84E+02	1.44E-03	-1.26E-03	4.04E-04
1.84E+02	1.19E-03	-1.26E-03	4.67E-04
1.84E+02	8.76E-04	-1.22E-03	5.04E-04
1.84E+02	5.69E-04	-1.14E-03	5.44E-04
1.84E+02	3.06E-04	-1.01E-03	6.97E-04
1.84E+02	4.41E-05	-8.60E-04	9.84E-04
1.84E+02	-1.93E-04	-7.65E-04	1.31E-03
1.84E+02	-3.85E-04	-6.97E-04	1.67E-03
1.84E+02	-5.30E-04	-6.76E-04	1.94E-03
1.84E+02	-6.27E-04	-7.21E-04	2.02E-03
1.84E+02	-7.36E-04	-7.70E-04	1.96E-03
1.84E+02	-7.73E-04	-7.90E-04	1.79E-03
1.84E+02	-6.76E-04	-7.33E-04	1.57E-03
1.84E+02	-5.74E-04	-6.39E-04	1.31E-03
1.84E+02	-4.22E-04	-5.77E-04	8.96E-04
1.84E+02	-1.81E-04	-4.94E-04	4.95E-04
1.84E+02	8.81E-05	-4.01E-04	1.58E-04
1.84E+02	3.61E-04	-3.68E-04	-2.17E-04
1.84E+02	5.66E-04	-3.93E-04	-5.63E-04
1.84E+02	7.30E-04	-4.72E-04	-9.01E-04
1.84E+02	8.87E-04	-5.94E-04	-1.24E-03
1.84E+02	9.38E-04	-7.48E-04	-1.54E-03
1.84E+02	8.71E-04	-9.42E-04	-1.81E-03
1.84E+02	7.46E-04	-1.14E-03	-1.91E-03
1.84E+02	5.46E-04	-1.32E-03	-1.82E-03
1.84E+02	2.85E-04	-1.51E-03	-1.70E-03

1.84E+02	-3.20E-05	-1.65E-03	-1.47E-03
1.84E+02	-3.52E-04	-1.74E-03	-1.13E-03
1.84E+02	-5.79E-04	-1.78E-03	-7.59E-04
1.84E+02	-7.66E-04	-1.77E-03	-3.97E-04
1.84E+02	-8.93E-04	-1.75E-03	-2.33E-04
1.84E+02	-8.89E-04	-1.68E-03	-1.51E-04
1.84E+02	-7.80E-04	-1.49E-03	-8.54E-05
1.84E+02	-5.52E-04	-1.26E-03	-1.75E-04
1.84E+02	-2.30E-04	-9.49E-04	-3.15E-04
1.84E+02	1.56E-04	-5.98E-04	-5.31E-04
1.84E+02	6.37E-04	-2.62E-04	-8.35E-04
1.84E+02	1.13E-03	7.42E-05	-1.10E-03
1.84E+02	1.55E-03	3.28E-04	-1.43E-03
1.84E+02	1.92E-03	5.26E-04	-1.77E-03
1.84E+02	2.21E-03	6.78E-04	-2.04E-03
1.84E+02	2.44E-03	7.25E-04	-2.36E-03
1.84E+02	2.60E-03	7.08E-04	-2.62E-03
1.84E+02	2.65E-03	6.51E-04	-2.74E-03
1.84E+02	2.71E-03	6.04E-04	-2.73E-03
1.84E+02	2.71E-03	5.76E-04	-2.54E-03
1.84E+02	2.61E-03	5.24E-04	-2.33E-03
1.84E+02	2.49E-03	4.82E-04	-2.08E-03
1.84E+02	2.34E-03	4.99E-04	-1.69E-03
1.84E+02	2.14E-03	5.63E-04	-1.31E-03
1.84E+02	1.90E-03	6.68E-04	-9.45E-04
1.84E+02	1.61E-03	8.18E-04	-6.16E-04
1.84E+02	1.39E-03	9.87E-04	-3.97E-04
1.84E+02	1.22E-03	1.17E-03	-1.78E-04
1.84E+02	1.05E-03	1.28E-03	-2.38E-05
1.84E+02	9.60E-04	1.29E-03	6.47E-05
1.84E+02	9.25E-04	1.25E-03	1.97E-04
1.84E+02	9.48E-04	1.12E-03	2.26E-04
1.84E+02	9.69E-04	9.36E-04	1.27E-04
1.84E+02	9.35E-04	7.26E-04	-5.44E-05
1.84E+02	9.12E-04	4.93E-04	-3.76E-04
1.84E+02	8.42E-04	2.77E-04	-7.36E-04
1.84E+02	6.34E-04	2.94E-05	-1.13E-03
1.84E+02	3.52E-04	-2.06E-04	-1.52E-03
1.84E+02	2.25E-05	-3.61E-04	-1.72E-03
1.84E+02	-3.60E-04	-4.85E-04	-1.76E-03
1.84E+02	-8.07E-04	-5.80E-04	-1.71E-03
1.84E+02	-1.34E-03	-6.25E-04	-1.56E-03
1.84E+02	-1.86E-03	-5.99E-04	-1.36E-03
1.84E+02	-2.34E-03	-4.58E-04	-1.10E-03
1.84E+02	-2.82E-03	-2.54E-04	-8.83E-04
1.84E+02	-3.20E-03	-7.44E-06	-7.74E-04
1.84E+02	-3.43E-03	3.20E-04	-6.11E-04

1.84E+02	-3.50E-03	6.39E-04	-4.01E-04
1.84E+02	-3.40E-03	8.76E-04	-2.06E-04
1.84E+02	-3.17E-03	1.03E-03	5.02E-05
1.84E+02	-2.78E-03	1.12E-03	2.88E-04
1.84E+02	-2.23E-03	1.18E-03	4.85E-04
1.84E+02	-1.65E-03	1.18E-03	5.66E-04
1.84E+02	-1.02E-03	1.18E-03	4.70E-04
1.84E+02	-3.41E-04	1.26E-03	3.73E-04
1.84E+02	2.99E-04	1.36E-03	2.36E-04
1.84E+02	9.05E-04	1.45E-03	4.90E-05
1.84E+02	1.40E-03	1.54E-03	-1.06E-04
1.84E+02	1.82E-03	1.56E-03	-3.60E-04
1.84E+02	2.22E-03	1.51E-03	-6.43E-04
1.84E+02	2.52E-03	1.34E-03	-8.72E-04
1.84E+02	2.74E-03	1.05E-03	-1.10E-03
1.84E+02	2.91E-03	7.20E-04	-1.18E-03
1.84E+02	3.01E-03	3.78E-04	-1.17E-03
1.84E+02	3.06E-03	1.70E-05	-1.17E-03
1.84E+02	3.01E-03	-3.01E-04	-1.07E-03
1.84E+02	2.93E-03	-5.62E-04	-9.42E-04
1.84E+02	2.87E-03	-7.58E-04	-8.51E-04
1.84E+02	2.75E-03	-9.04E-04	-8.06E-04
1.84E+02	2.66E-03	-1.02E-03	-8.82E-04
1.84E+02	2.63E-03	-1.07E-03	-9.66E-04
1.84E+02	2.64E-03	-1.03E-03	-1.01E-03
1.84E+02	2.70E-03	-9.43E-04	-1.11E-03
1.84E+02	2.75E-03	-8.10E-04	-1.22E-03
1.84E+02	2.82E-03	-6.36E-04	-1.28E-03
1.84E+02	2.97E-03	-4.40E-04	-1.27E-03
1.84E+02	3.14E-03	-2.31E-04	-1.17E-03
1.84E+02	3.34E-03	-5.84E-05	-1.08E-03
1.84E+02	3.59E-03	9.94E-05	-9.53E-04
1.84E+02	3.86E-03	2.69E-04	-8.00E-04
1.84E+02	4.17E-03	3.88E-04	-7.73E-04
1.84E+02	4.45E-03	4.60E-04	-8.15E-04
1.84E+02	4.65E-03	5.09E-04	-8.93E-04
1.84E+02	4.86E-03	5.26E-04	-9.62E-04
1.84E+02	4.95E-03	5.04E-04	-9.61E-04
1.84E+02	4.87E-03	4.03E-04	-1.00E-03
1.84E+02	4.67E-03	2.66E-04	-1.03E-03
1.84E+02	4.33E-03	1.60E-04	-1.02E-03
1.84E+02	3.87E-03	6.35E-05	-1.07E-03
1.84E+02	3.26E-03	1.53E-05	-1.08E-03
1.84E+02	2.52E-03	3.76E-05	-1.07E-03
1.84E+02	1.79E-03	9.90E-05	-1.08E-03
1.84E+02	1.06E-03	2.07E-04	-1.05E-03
1.84E+02	3.28E-04	3.14E-04	-1.01E-03

1.84E+02	-2.94E-04	4.15E-04	-8.92E-04
1.84E+02	-7.73E-04	5.25E-04	-6.80E-04
1.84E+02	-1.10E-03	5.83E-04	-5.64E-04
1.84E+02	-1.28E-03	6.25E-04	-4.73E-04
1.84E+02	-1.33E-03	6.86E-04	-3.66E-04
1.84E+02	-1.21E-03	7.45E-04	-2.81E-04
1.84E+02	-9.54E-04	8.21E-04	-1.60E-04
1.84E+02	-6.57E-04	8.71E-04	-6.45E-05
1.84E+02	-3.01E-04	8.88E-04	-6.48E-06
1.84E+02	9.82E-05	9.30E-04	4.25E-05
1.84E+02	4.90E-04	9.71E-04	1.81E-05
1.84E+02	8.22E-04	1.02E-03	-3.57E-05
1.84E+02	1.06E-03	1.12E-03	-5.72E-05
1.84E+02	1.27E-03	1.23E-03	-5.53E-05
1.84E+02	1.40E-03	1.40E-03	-1.91E-07
1.84E+02	1.40E-03	1.58E-03	6.07E-05
1.84E+02	1.33E-03	1.75E-03	1.05E-04
1.84E+02	1.25E-03	1.93E-03	1.99E-04
1.84E+02	1.17E-03	2.07E-03	2.34E-04
1.84E+02	1.12E-03	2.16E-03	2.46E-04
1.84E+02	1.03E-03	2.25E-03	3.87E-04
1.84E+02	1.02E-03	2.31E-03	5.28E-04
1.84E+02	1.08E-03	2.34E-03	6.23E-04
1.84E+02	1.12E-03	2.32E-03	6.47E-04
1.84E+02	1.21E-03	2.25E-03	5.40E-04
1.84E+02	1.34E-03	2.16E-03	4.71E-04
1.84E+02	1.47E-03	2.08E-03	4.32E-04
1.84E+02	1.58E-03	1.98E-03	3.45E-04
1.84E+02	1.62E-03	1.89E-03	2.94E-04
1.84E+02	1.66E-03	1.79E-03	2.41E-04
1.84E+02	1.68E-03	1.67E-03	2.03E-04
1.84E+02	1.60E-03	1.48E-03	1.54E-04
1.84E+02	1.45E-03	1.20E-03	4.39E-05
1.84E+02	1.26E-03	9.27E-04	3.45E-05
1.84E+02	1.05E-03	6.57E-04	7.82E-05
1.84E+02	8.20E-04	3.31E-04	8.39E-06
1.84E+02	5.90E-04	-5.72E-06	-7.84E-05
1.84E+02	3.93E-04	-3.20E-04	-1.05E-04
1.84E+02	2.80E-04	-6.08E-04	-1.05E-04
1.84E+02	1.92E-04	-9.07E-04	-1.57E-04
1.84E+02	1.41E-04	-1.22E-03	-3.27E-04
1.84E+02	1.82E-04	-1.48E-03	-5.05E-04
1.84E+02	2.96E-04	-1.71E-03	-6.63E-04
1.84E+02	4.71E-04	-1.91E-03	-8.21E-04
1.84E+02	6.62E-04	-2.03E-03	-8.76E-04
1.84E+02	8.85E-04	-2.05E-03	-8.54E-04
1.84E+02	1.15E-03	-1.95E-03	-7.93E-04

1.84E+02	1.38E-03	-1.76E-03	-7.27E-04
1.84E+02	1.58E-03	-1.48E-03	-6.76E-04
1.84E+02	1.81E-03	-1.08E-03	-5.35E-04
1.84E+02	2.03E-03	-6.47E-04	-3.59E-04
1.84E+02	2.24E-03	-2.28E-04	-2.03E-04
1.84E+02	2.37E-03	1.77E-04	-1.75E-05
1.84E+02	2.45E-03	5.40E-04	1.58E-04
1.84E+02	2.56E-03	9.03E-04	3.59E-04
1.84E+02	2.61E-03	1.23E-03	5.75E-04
1.85E+02	2.58E-03	1.45E-03	7.24E-04
1.85E+02	2.56E-03	1.61E-03	8.75E-04
1.85E+02	2.52E-03	1.69E-03	1.02E-03
1.85E+02	2.48E-03	1.66E-03	1.06E-03
1.85E+02	2.37E-03	1.53E-03	1.08E-03
1.85E+02	2.24E-03	1.32E-03	1.11E-03
1.85E+02	2.18E-03	1.09E-03	1.18E-03
1.85E+02	2.11E-03	8.35E-04	1.31E-03
1.85E+02	2.01E-03	5.31E-04	1.38E-03
1.85E+02	1.94E-03	2.27E-04	1.44E-03
1.85E+02	1.90E-03	-5.59E-05	1.46E-03
1.85E+02	1.88E-03	-3.17E-04	1.34E-03
1.85E+02	1.86E-03	-5.17E-04	1.18E-03
1.85E+02	1.84E-03	-6.24E-04	1.02E-03
1.85E+02	1.86E-03	-6.15E-04	8.44E-04
1.85E+02	1.86E-03	-5.40E-04	7.17E-04
1.85E+02	1.82E-03	-4.75E-04	6.02E-04
1.85E+02	1.78E-03	-4.30E-04	4.85E-04
1.85E+02	1.74E-03	-4.07E-04	4.23E-04
1.85E+02	1.64E-03	-4.34E-04	3.30E-04
1.85E+02	1.47E-03	-4.89E-04	1.49E-04
1.85E+02	1.27E-03	-5.34E-04	-9.67E-05
1.85E+02	1.10E-03	-5.10E-04	-3.50E-04
1.85E+02	9.42E-04	-3.96E-04	-5.18E-04
1.85E+02	7.54E-04	-2.71E-04	-6.55E-04
1.85E+02	5.61E-04	-1.25E-04	-7.34E-04
1.85E+02	3.69E-04	6.35E-05	-6.24E-04
1.85E+02	1.72E-04	2.30E-04	-4.37E-04
1.85E+02	-6.73E-05	3.74E-04	-2.26E-04
1.85E+02	-3.55E-04	5.11E-04	8.98E-05
1.85E+02	-5.93E-04	6.74E-04	4.49E-04
1.85E+02	-7.72E-04	8.81E-04	7.97E-04
1.85E+02	-9.16E-04	1.08E-03	1.07E-03
1.85E+02	-9.55E-04	1.32E-03	1.26E-03
1.85E+02	-8.68E-04	1.63E-03	1.40E-03
1.85E+02	-6.87E-04	1.97E-03	1.40E-03
1.85E+02	-4.62E-04	2.29E-03	1.31E-03
1.85E+02	-2.31E-04	2.58E-03	1.23E-03

1.85E+02	3.30E-05	2.80E-03	1.11E-03
1.85E+02	2.53E-04	2.97E-03	1.01E-03
1.85E+02	3.34E-04	3.03E-03	8.51E-04
1.85E+02	3.20E-04	3.00E-03	6.38E-04
1.85E+02	2.40E-04	2.94E-03	4.62E-04
1.85E+02	1.07E-04	2.84E-03	2.27E-04
1.85E+02	-7.65E-05	2.67E-03	-5.15E-05
1.85E+02	-2.98E-04	2.48E-03	-2.57E-04
1.85E+02	-4.70E-04	2.28E-03	-4.22E-04
1.85E+02	-5.71E-04	2.07E-03	-5.37E-04
1.85E+02	-6.37E-04	1.83E-03	-6.15E-04
1.85E+02	-6.47E-04	1.56E-03	-6.55E-04
1.85E+02	-5.87E-04	1.29E-03	-5.86E-04
1.85E+02	-4.94E-04	1.02E-03	-4.54E-04
1.85E+02	-4.25E-04	7.69E-04	-2.68E-04
1.85E+02	-4.04E-04	5.67E-04	2.46E-05
1.85E+02	-3.76E-04	4.22E-04	3.45E-04
1.85E+02	-3.40E-04	3.28E-04	7.01E-04
1.85E+02	-3.60E-04	2.83E-04	1.06E-03
1.85E+02	-3.99E-04	2.82E-04	1.27E-03
1.85E+02	-4.27E-04	3.48E-04	1.36E-03
1.85E+02	-4.44E-04	4.88E-04	1.40E-03
1.85E+02	-4.30E-04	6.73E-04	1.33E-03
1.85E+02	-4.34E-04	9.04E-04	1.23E-03
1.85E+02	-4.35E-04	1.17E-03	1.12E-03
1.85E+02	-3.95E-04	1.46E-03	9.58E-04
1.85E+02	-4.08E-04	1.70E-03	7.05E-04
1.85E+02	-4.49E-04	1.87E-03	3.51E-04
1.85E+02	-4.49E-04	2.02E-03	6.79E-05
1.85E+02	-4.44E-04	2.11E-03	-1.16E-04
1.85E+02	-4.26E-04	2.15E-03	-2.89E-04
1.85E+02	-4.52E-04	2.10E-03	-4.24E-04
1.85E+02	-4.83E-04	1.99E-03	-5.22E-04
1.85E+02	-4.41E-04	1.85E-03	-6.12E-04
1.85E+02	-4.39E-04	1.62E-03	-7.04E-04
1.85E+02	-4.56E-04	1.33E-03	-8.20E-04
1.85E+02	-4.13E-04	1.04E-03	-8.91E-04
1.85E+02	-3.46E-04	7.73E-04	-8.83E-04
1.85E+02	-2.41E-04	5.23E-04	-8.82E-04
1.85E+02	-1.46E-04	2.74E-04	-8.27E-04
1.85E+02	-5.97E-05	4.69E-05	-7.02E-04
1.85E+02	7.65E-05	-1.34E-04	-5.54E-04
1.85E+02	1.88E-04	-3.07E-04	-3.68E-04
1.85E+02	2.71E-04	-4.93E-04	-2.50E-04
1.85E+02	3.91E-04	-6.53E-04	-1.71E-04
1.85E+02	5.21E-04	-7.52E-04	-5.68E-05
1.85E+02	6.54E-04	-7.99E-04	3.62E-06

1.85E+02	7.41E-04	-7.97E-04	4.88E-05
1.85E+02	7.79E-04	-7.48E-04	8.68E-05
1.85E+02	8.44E-04	-6.68E-04	1.05E-04
1.85E+02	8.62E-04	-5.89E-04	1.53E-04
1.85E+02	8.09E-04	-5.59E-04	1.32E-04
1.85E+02	7.16E-04	-5.45E-04	6.07E-05
1.85E+02	5.54E-04	-5.07E-04	-5.59E-05
1.85E+02	3.69E-04	-4.55E-04	-3.38E-04
1.85E+02	1.17E-04	-3.72E-04	-6.36E-04
1.85E+02	-2.15E-04	-2.21E-04	-8.11E-04
1.85E+02	-5.03E-04	3.81E-05	-8.59E-04
1.85E+02	-7.98E-04	3.73E-04	-7.89E-04
1.85E+02	-1.12E-03	6.93E-04	-7.50E-04
1.85E+02	-1.39E-03	9.98E-04	-6.91E-04
1.85E+02	-1.63E-03	1.30E-03	-4.87E-04
1.85E+02	-1.83E-03	1.53E-03	-2.82E-04
1.85E+02	-2.03E-03	1.70E-03	-1.10E-04
1.85E+02	-2.27E-03	1.84E-03	2.14E-05
1.85E+02	-2.44E-03	1.94E-03	6.50E-05
1.85E+02	-2.58E-03	2.01E-03	1.26E-04
1.85E+02	-2.73E-03	2.02E-03	1.76E-04
1.85E+02	-2.86E-03	1.95E-03	1.71E-04
1.85E+02	-2.96E-03	1.84E-03	1.44E-04
1.85E+02	-3.03E-03	1.66E-03	-1.35E-05
1.85E+02	-3.07E-03	1.42E-03	-2.90E-04
1.85E+02	-3.09E-03	1.20E-03	-6.10E-04
1.85E+02	-3.00E-03	1.01E-03	-9.42E-04
1.85E+02	-2.82E-03	8.58E-04	-1.19E-03
1.85E+02	-2.62E-03	6.85E-04	-1.39E-03
1.85E+02	-2.36E-03	4.78E-04	-1.58E-03
1.85E+02	-2.04E-03	2.75E-04	-1.66E-03
1.85E+02	-1.69E-03	4.06E-05	-1.62E-03
1.85E+02	-1.38E-03	-2.32E-04	-1.51E-03
1.85E+02	-1.17E-03	-5.21E-04	-1.36E-03
1.85E+02	-1.01E-03	-8.02E-04	-1.25E-03
1.85E+02	-9.02E-04	-1.02E-03	-1.10E-03
1.85E+02	-8.88E-04	-1.18E-03	-9.27E-04
1.85E+02	-9.30E-04	-1.30E-03	-7.41E-04
1.85E+02	-9.73E-04	-1.32E-03	-4.52E-04
1.85E+02	-9.95E-04	-1.28E-03	-1.35E-04
1.85E+02	-1.00E-03	-1.24E-03	8.93E-05
1.85E+02	-1.00E-03	-1.22E-03	2.57E-04
1.85E+02	-9.07E-04	-1.20E-03	3.38E-04
1.85E+02	-6.93E-04	-1.17E-03	3.57E-04
1.85E+02	-4.59E-04	-1.17E-03	2.74E-04
1.85E+02	-1.67E-04	-1.22E-03	5.51E-05
1.85E+02	1.98E-04	-1.27E-03	-1.49E-04

1.85E+02	5.69E-04	-1.32E-03	-3.64E-04
1.85E+02	9.24E-04	-1.40E-03	-5.80E-04
1.85E+02	1.21E-03	-1.47E-03	-7.00E-04
1.85E+02	1.48E-03	-1.56E-03	-7.98E-04
1.85E+02	1.76E-03	-1.62E-03	-8.77E-04
1.85E+02	1.99E-03	-1.67E-03	-9.24E-04
1.85E+02	2.15E-03	-1.74E-03	-9.74E-04
1.85E+02	2.27E-03	-1.77E-03	-9.10E-04
1.85E+02	2.31E-03	-1.79E-03	-7.37E-04
1.85E+02	2.27E-03	-1.85E-03	-5.41E-04
1.85E+02	2.11E-03	-1.92E-03	-2.45E-04
1.85E+02	1.88E-03	-2.01E-03	1.06E-04
1.85E+02	1.62E-03	-2.11E-03	4.88E-04
1.85E+02	1.30E-03	-2.22E-03	8.57E-04
1.85E+02	9.32E-04	-2.38E-03	1.05E-03
1.85E+02	5.93E-04	-2.49E-03	1.11E-03
1.85E+02	2.84E-04	-2.57E-03	1.06E-03
1.85E+02	3.47E-05	-2.63E-03	9.15E-04
1.85E+02	-1.98E-04	-2.64E-03	8.38E-04
1.85E+02	-3.99E-04	-2.65E-03	7.85E-04
1.85E+02	-5.16E-04	-2.66E-03	6.75E-04
1.85E+02	-6.54E-04	-2.69E-03	5.02E-04
1.85E+02	-8.46E-04	-2.78E-03	2.27E-04
1.85E+02	-1.08E-03	-2.83E-03	-7.21E-05
1.85E+02	-1.37E-03	-2.85E-03	-3.82E-04
1.85E+02	-1.71E-03	-2.84E-03	-7.50E-04
1.85E+02	-2.09E-03	-2.74E-03	-1.08E-03
1.85E+02	-2.50E-03	-2.61E-03	-1.34E-03
1.85E+02	-2.83E-03	-2.44E-03	-1.53E-03
1.85E+02	-3.13E-03	-2.24E-03	-1.63E-03
1.85E+02	-3.42E-03	-2.11E-03	-1.73E-03
1.85E+02	-3.65E-03	-2.00E-03	-1.77E-03
1.85E+02	-3.85E-03	-1.90E-03	-1.69E-03
1.85E+02	-4.03E-03	-1.85E-03	-1.54E-03
1.85E+02	-4.20E-03	-1.80E-03	-1.34E-03
1.85E+02	-4.37E-03	-1.74E-03	-1.14E-03
1.85E+02	-4.46E-03	-1.68E-03	-9.65E-04
1.85E+02	-4.44E-03	-1.61E-03	-7.15E-04
1.85E+02	-4.36E-03	-1.56E-03	-4.40E-04
1.85E+02	-4.16E-03	-1.51E-03	-1.51E-04
1.85E+02	-3.81E-03	-1.42E-03	1.66E-04
1.85E+02	-3.37E-03	-1.34E-03	3.93E-04
1.85E+02	-2.91E-03	-1.23E-03	5.23E-04
1.85E+02	-2.50E-03	-1.08E-03	5.96E-04
1.85E+02	-2.10E-03	-8.73E-04	6.36E-04
1.85E+02	-1.79E-03	-6.29E-04	7.04E-04
1.85E+02	-1.63E-03	-4.25E-04	7.23E-04

1.85E+02	-1.58E-03	-2.96E-04	6.96E-04
1.85E+02	-1.59E-03	-2.18E-04	7.32E-04
1.85E+02	-1.65E-03	-1.97E-04	7.63E-04
1.85E+02	-1.78E-03	-2.65E-04	7.23E-04
1.85E+02	-1.95E-03	-3.98E-04	6.09E-04
1.85E+02	-2.04E-03	-5.69E-04	3.91E-04
1.85E+02	-2.05E-03	-7.64E-04	1.50E-04
1.85E+02	-2.02E-03	-1.01E-03	-1.14E-04
1.85E+02	-1.92E-03	-1.29E-03	-3.80E-04
1.85E+02	-1.73E-03	-1.56E-03	-5.21E-04
1.85E+02	-1.45E-03	-1.83E-03	-5.92E-04
1.85E+02	-1.15E-03	-2.09E-03	-5.69E-04
1.85E+02	-8.61E-04	-2.31E-03	-4.22E-04
1.85E+02	-5.58E-04	-2.49E-03	-2.36E-04
1.85E+02	-2.92E-04	-2.60E-03	-1.13E-05
1.85E+02	-1.31E-04	-2.72E-03	1.31E-04
1.85E+02	-4.60E-05	-2.86E-03	1.60E-04
1.85E+02	-5.13E-05	-2.96E-03	1.82E-04
1.85E+02	-1.47E-04	-3.05E-03	1.29E-04
1.85E+02	-3.41E-04	-3.12E-03	5.21E-05
1.85E+02	-6.76E-04	-3.14E-03	7.72E-05
1.86E+02	-1.04E-03	-3.13E-03	2.07E-04
1.86E+02	-1.40E-03	-3.04E-03	4.55E-04
1.86E+02	-1.81E-03	-2.93E-03	7.19E-04
1.86E+02	-2.21E-03	-2.85E-03	9.31E-04
1.86E+02	-2.56E-03	-2.75E-03	1.20E-03
1.86E+02	-2.82E-03	-2.68E-03	1.45E-03
1.86E+02	-2.95E-03	-2.68E-03	1.63E-03
1.86E+02	-2.99E-03	-2.68E-03	1.84E-03
1.86E+02	-2.84E-03	-2.71E-03	2.00E-03
1.86E+02	-2.52E-03	-2.75E-03	2.12E-03
1.86E+02	-2.10E-03	-2.81E-03	2.16E-03
1.86E+02	-1.55E-03	-2.89E-03	2.03E-03
1.86E+02	-9.28E-04	-2.92E-03	1.85E-03
1.86E+02	-3.12E-04	-2.87E-03	1.64E-03
1.86E+02	2.56E-04	-2.78E-03	1.33E-03
1.86E+02	6.65E-04	-2.65E-03	1.00E-03
1.86E+02	9.57E-04	-2.48E-03	6.33E-04
1.86E+02	1.18E-03	-2.29E-03	2.37E-04
1.86E+02	1.26E-03	-2.13E-03	-1.11E-04
1.86E+02	1.22E-03	-1.99E-03	-4.06E-04
1.86E+02	1.13E-03	-1.86E-03	-5.80E-04
1.86E+02	9.74E-04	-1.74E-03	-6.32E-04
1.86E+02	7.68E-04	-1.66E-03	-6.21E-04
1.86E+02	4.54E-04	-1.62E-03	-4.63E-04
1.86E+02	5.82E-05	-1.63E-03	-1.94E-04
1.86E+02	-3.42E-04	-1.68E-03	1.56E-04

1.86E+02	-7.94E-04	-1.79E-03	5.77E-04
1.86E+02	-1.26E-03	-1.99E-03	9.09E-04
1.86E+02	-1.66E-03	-2.22E-03	1.19E-03
1.86E+02	-1.98E-03	-2.40E-03	1.46E-03
1.86E+02	-2.22E-03	-2.58E-03	1.60E-03
1.86E+02	-2.42E-03	-2.71E-03	1.62E-03
1.86E+02	-2.55E-03	-2.74E-03	1.52E-03
1.86E+02	-2.58E-03	-2.72E-03	1.25E-03
1.86E+02	-2.59E-03	-2.60E-03	9.40E-04
1.86E+02	-2.64E-03	-2.42E-03	5.43E-04
1.86E+02	-2.67E-03	-2.19E-03	1.02E-04
1.86E+02	-2.68E-03	-1.88E-03	-2.87E-04
1.86E+02	-2.72E-03	-1.55E-03	-6.82E-04
1.86E+02	-2.80E-03	-1.19E-03	-9.80E-04
1.86E+02	-2.91E-03	-8.11E-04	-1.15E-03
1.86E+02	-2.95E-03	-4.01E-04	-1.25E-03
1.86E+02	-2.97E-03	8.58E-06	-1.22E-03
1.86E+02	-2.99E-03	3.45E-04	-1.12E-03
1.86E+02	-2.96E-03	6.05E-04	-9.53E-04
1.86E+02	-2.88E-03	8.23E-04	-6.73E-04
1.86E+02	-2.78E-03	9.70E-04	-3.92E-04
1.86E+02	-2.69E-03	1.05E-03	-6.50E-05
1.86E+02	-2.59E-03	1.11E-03	3.24E-04
1.86E+02	-2.41E-03	1.14E-03	7.37E-04
1.86E+02	-2.17E-03	1.20E-03	1.23E-03
1.86E+02	-1.91E-03	1.25E-03	1.68E-03
1.86E+02	-1.58E-03	1.23E-03	1.99E-03
1.86E+02	-1.16E-03	1.21E-03	2.20E-03
1.86E+02	-6.82E-04	1.11E-03	2.22E-03
1.86E+02	-1.57E-04	9.22E-04	2.10E-03
1.86E+02	3.40E-04	6.59E-04	1.89E-03
1.86E+02	8.39E-04	3.32E-04	1.61E-03
1.86E+02	1.32E-03	-1.34E-05	1.40E-03
1.86E+02	1.66E-03	-3.94E-04	1.20E-03
1.86E+02	1.93E-03	-7.92E-04	1.01E-03
1.86E+02	2.10E-03	-1.14E-03	9.14E-04
1.86E+02	2.15E-03	-1.45E-03	8.02E-04
1.86E+02	2.09E-03	-1.71E-03	6.70E-04
1.86E+02	1.89E-03	-1.91E-03	5.82E-04
1.86E+02	1.65E-03	-2.08E-03	4.93E-04
1.86E+02	1.40E-03	-2.22E-03	4.46E-04
1.86E+02	1.08E-03	-2.36E-03	4.75E-04
1.86E+02	7.35E-04	-2.49E-03	6.09E-04
1.86E+02	4.01E-04	-2.57E-03	9.12E-04
1.86E+02	7.72E-05	-2.59E-03	1.26E-03
1.86E+02	-2.79E-04	-2.57E-03	1.54E-03
1.86E+02	-6.90E-04	-2.49E-03	1.83E-03

1.86E+02	-1.07E-03	-2.33E-03	2.08E-03
1.86E+02	-1.43E-03	-2.11E-03	2.31E-03
1.86E+02	-1.79E-03	-1.90E-03	2.45E-03
1.86E+02	-2.13E-03	-1.73E-03	2.44E-03
1.86E+02	-2.40E-03	-1.59E-03	2.35E-03
1.86E+02	-2.57E-03	-1.47E-03	2.20E-03
1.86E+02	-2.69E-03	-1.36E-03	2.02E-03
1.86E+02	-2.75E-03	-1.22E-03	1.88E-03
1.86E+02	-2.69E-03	-1.05E-03	1.70E-03
1.86E+02	-2.53E-03	-8.27E-04	1.51E-03
1.86E+02	-2.35E-03	-5.86E-04	1.24E-03
1.86E+02	-2.13E-03	-3.44E-04	8.79E-04
1.86E+02	-1.90E-03	-6.07E-05	5.54E-04
1.86E+02	-1.65E-03	2.07E-04	2.70E-04
1.86E+02	-1.39E-03	4.26E-04	-3.81E-07
1.86E+02	-1.19E-03	5.87E-04	-2.04E-04
1.86E+02	-1.00E-03	6.74E-04	-3.05E-04
1.86E+02	-8.10E-04	7.13E-04	-2.70E-04
1.86E+02	-6.84E-04	6.51E-04	-1.98E-04
1.86E+02	-6.08E-04	4.65E-04	-1.97E-04
1.86E+02	-5.21E-04	2.75E-04	-1.62E-04
1.86E+02	-3.79E-04	1.23E-04	-8.34E-05
1.86E+02	-2.11E-04	-2.59E-05	-7.69E-05
1.86E+02	-5.34E-05	-1.37E-04	-8.47E-05
1.86E+02	1.75E-04	-1.95E-04	-5.40E-05
1.86E+02	4.99E-04	-2.21E-04	-3.81E-07
1.86E+02	8.28E-04	-2.32E-04	5.99E-05
1.86E+02	1.15E-03	-2.61E-04	5.61E-05
1.86E+02	1.51E-03	-2.89E-04	4.69E-05
1.86E+02	1.84E-03	-3.00E-04	8.68E-05
1.86E+02	2.11E-03	-3.66E-04	8.83E-05
1.86E+02	2.24E-03	-4.79E-04	8.11E-05
1.86E+02	2.26E-03	-5.74E-04	7.78E-05
1.86E+02	2.19E-03	-6.54E-04	6.90E-05
1.86E+02	1.99E-03	-7.05E-04	2.75E-05
1.86E+02	1.69E-03	-7.52E-04	-1.28E-04
1.86E+02	1.34E-03	-7.53E-04	-2.54E-04
1.86E+02	9.77E-04	-6.52E-04	-3.33E-04
1.86E+02	6.23E-04	-5.05E-04	-4.59E-04
1.86E+02	2.43E-04	-2.86E-04	-5.19E-04
1.86E+02	-1.22E-04	2.16E-05	-5.02E-04
1.86E+02	-3.79E-04	4.08E-04	-4.42E-04
1.86E+02	-6.09E-04	8.32E-04	-3.54E-04
1.86E+02	-8.25E-04	1.24E-03	-2.62E-04
1.86E+02	-9.66E-04	1.67E-03	-1.09E-04
1.86E+02	-1.06E-03	2.06E-03	5.72E-05
1.86E+02	-1.11E-03	2.37E-03	1.49E-04

1.86E+02	-1.16E-03	2.62E-03	1.89E-04
1.86E+02	-1.22E-03	2.79E-03	1.57E-04
1.86E+02	-1.24E-03	2.88E-03	1.09E-04
1.86E+02	-1.29E-03	2.91E-03	1.21E-04
1.86E+02	-1.39E-03	2.81E-03	7.29E-05
1.86E+02	-1.52E-03	2.61E-03	9.35E-06
1.86E+02	-1.66E-03	2.41E-03	5.72E-07
1.86E+02	-1.79E-03	2.13E-03	-3.80E-05
1.86E+02	-1.94E-03	1.84E-03	-3.40E-05
1.86E+02	-2.11E-03	1.58E-03	-2.86E-06
1.86E+02	-2.17E-03	1.32E-03	7.63E-06
1.86E+02	-2.18E-03	1.09E-03	7.50E-05
1.86E+02	-2.18E-03	8.32E-04	1.34E-04
1.86E+02	-2.14E-03	5.90E-04	1.71E-04
1.86E+02	-2.06E-03	4.05E-04	2.47E-04
1.86E+02	-1.92E-03	2.31E-04	3.00E-04
1.86E+02	-1.76E-03	1.36E-04	3.35E-04
1.86E+02	-1.63E-03	1.28E-04	3.85E-04
1.86E+02	-1.43E-03	2.11E-04	4.47E-04
1.86E+02	-1.22E-03	4.01E-04	4.90E-04
1.86E+02	-1.06E-03	5.97E-04	4.14E-04
1.86E+02	-8.96E-04	8.12E-04	2.76E-04
1.86E+02	-7.15E-04	1.08E-03	1.83E-04
1.86E+02	-5.34E-04	1.36E-03	3.13E-05
1.86E+02	-3.83E-04	1.65E-03	-1.65E-04
1.86E+02	-2.80E-04	1.96E-03	-3.10E-04
1.86E+02	-1.47E-04	2.27E-03	-4.15E-04
1.86E+02	-1.14E-06	2.56E-03	-4.60E-04
1.86E+02	9.00E-05	2.78E-03	-5.48E-04
1.86E+02	1.63E-04	2.88E-03	-6.50E-04
1.86E+02	2.35E-04	2.93E-03	-5.71E-04
1.86E+02	3.16E-04	2.88E-03	-4.30E-04
1.86E+02	3.92E-04	2.69E-03	-2.60E-04
1.86E+02	4.34E-04	2.45E-03	-2.77E-05
1.86E+02	4.95E-04	2.14E-03	1.47E-04
1.86E+02	5.69E-04	1.80E-03	3.39E-04
1.86E+02	6.28E-04	1.49E-03	4.61E-04
1.86E+02	6.91E-04	1.15E-03	3.88E-04
1.86E+02	7.56E-04	8.82E-04	2.74E-04
1.86E+02	8.40E-04	7.23E-04	8.05E-05
1.86E+02	9.01E-04	5.99E-04	-1.76E-04
1.86E+02	8.76E-04	5.55E-04	-3.79E-04
1.86E+02	8.15E-04	5.44E-04	-5.75E-04
1.86E+02	7.30E-04	5.32E-04	-6.87E-04
1.86E+02	5.57E-04	4.95E-04	-7.12E-04
1.86E+02	3.19E-04	3.86E-04	-7.11E-04
1.86E+02	6.62E-05	2.86E-04	-5.99E-04

1.86E+02	-1.77E-04	1.63E-04	-5.24E-04
1.86E+02	-3.98E-04	-1.37E-05	-6.05E-04
1.86E+02	-6.48E-04	-1.39E-04	-6.73E-04
1.86E+02	-8.88E-04	-2.23E-04	-7.64E-04
1.86E+02	-1.03E-03	-2.50E-04	-8.97E-04
1.86E+02	-1.15E-03	-1.78E-04	-1.01E-03
1.86E+02	-1.25E-03	-8.93E-05	-1.22E-03
1.86E+02	-1.28E-03	4.20E-05	-1.37E-03
1.86E+02	-1.27E-03	2.40E-04	-1.42E-03
1.86E+02	-1.20E-03	4.13E-04	-1.49E-03
1.86E+02	-1.18E-03	6.08E-04	-1.45E-03
1.86E+02	-1.18E-03	8.27E-04	-1.39E-03
1.86E+02	-1.12E-03	1.02E-03	-1.34E-03
1.86E+02	-1.08E-03	1.20E-03	-1.22E-03
1.86E+02	-1.05E-03	1.34E-03	-1.13E-03
1.86E+02	-9.85E-04	1.44E-03	-9.98E-04
1.86E+02	-8.90E-04	1.53E-03	-8.79E-04
1.86E+02	-7.39E-04	1.54E-03	-8.88E-04
1.86E+02	-5.78E-04	1.49E-03	-9.11E-04
1.86E+02	-4.17E-04	1.42E-03	-9.19E-04
1.86E+02	-1.97E-04	1.40E-03	-9.22E-04
1.86E+02	-1.85E-05	1.38E-03	-9.02E-04
1.86E+02	7.55E-05	1.35E-03	-9.34E-04
1.86E+02	1.30E-04	1.35E-03	-9.10E-04
1.86E+02	1.19E-04	1.39E-03	-7.40E-04
1.86E+02	9.46E-05	1.45E-03	-5.29E-04
1.86E+02	5.68E-05	1.52E-03	-2.70E-04
1.86E+02	1.85E-05	1.59E-03	9.54E-06
1.86E+02	8.77E-05	1.68E-03	2.18E-04
1.86E+02	2.23E-04	1.77E-03	3.91E-04
1.86E+02	3.95E-04	1.82E-03	4.92E-04
1.86E+02	6.33E-04	1.85E-03	5.17E-04
1.86E+02	8.76E-04	1.84E-03	5.36E-04
1.87E+02	1.08E-03	1.78E-03	4.50E-04
1.87E+02	1.21E-03	1.67E-03	3.07E-04
1.87E+02	1.24E-03	1.55E-03	2.53E-04
1.87E+02	1.25E-03	1.45E-03	2.43E-04
1.87E+02	1.19E-03	1.39E-03	2.81E-04
1.87E+02	1.07E-03	1.35E-03	3.25E-04
1.87E+02	9.92E-04	1.33E-03	3.27E-04
1.87E+02	9.28E-04	1.36E-03	3.83E-04
1.87E+02	9.12E-04	1.44E-03	4.50E-04
1.87E+02	9.02E-04	1.48E-03	4.77E-04
1.87E+02	8.63E-04	1.48E-03	5.13E-04
1.87E+02	8.75E-04	1.40E-03	5.21E-04
1.87E+02	8.88E-04	1.25E-03	4.75E-04
1.87E+02	8.61E-04	1.00E-03	3.17E-04

1.87E+02	8.59E-04	6.98E-04	8.54E-05
1.87E+02	8.93E-04	4.36E-04	-4.33E-05
1.87E+02	9.77E-04	2.06E-04	-1.86E-04
1.87E+02	1.10E-03	2.57E-05	-3.79E-04
1.87E+02	1.25E-03	-2.12E-05	-4.88E-04
1.87E+02	1.49E-03	5.97E-05	-5.84E-04
1.87E+02	1.82E-03	2.34E-04	-6.32E-04
1.87E+02	2.15E-03	4.31E-04	-6.52E-04
1.87E+02	2.52E-03	6.14E-04	-7.04E-04
1.87E+02	2.88E-03	8.03E-04	-7.22E-04
1.87E+02	3.20E-03	9.74E-04	-7.88E-04
1.87E+02	3.44E-03	1.12E-03	-8.23E-04
1.87E+02	3.55E-03	1.27E-03	-7.23E-04
1.87E+02	3.58E-03	1.44E-03	-5.94E-04
1.87E+02	3.53E-03	1.63E-03	-4.16E-04
1.87E+02	3.30E-03	1.82E-03	-2.27E-04
1.87E+02	2.96E-03	1.97E-03	-8.14E-05
1.87E+02	2.54E-03	2.11E-03	1.01E-04
1.87E+02	2.07E-03	2.19E-03	2.43E-04
1.87E+02	1.61E-03	2.19E-03	3.07E-04
1.87E+02	1.14E-03	2.17E-03	3.88E-04
1.87E+02	7.57E-04	2.14E-03	4.60E-04
1.87E+02	5.16E-04	2.15E-03	5.27E-04
1.87E+02	3.22E-04	2.17E-03	5.15E-04
1.87E+02	2.01E-04	2.13E-03	2.99E-04
1.87E+02	1.56E-04	2.08E-03	-1.43E-05
1.87E+02	1.69E-04	1.99E-03	-3.86E-04
1.87E+02	2.14E-04	1.85E-03	-7.93E-04
1.87E+02	2.18E-04	1.69E-03	-1.09E-03
1.87E+02	2.48E-04	1.53E-03	-1.24E-03
1.87E+02	3.39E-04	1.41E-03	-1.22E-03
1.87E+02	4.34E-04	1.29E-03	-1.05E-03
1.87E+02	5.62E-04	1.20E-03	-8.87E-04
1.87E+02	7.22E-04	1.14E-03	-6.86E-04
1.87E+02	9.22E-04	1.12E-03	-5.08E-04
1.87E+02	1.15E-03	1.12E-03	-4.25E-04
1.87E+02	1.31E-03	1.12E-03	-3.21E-04
1.87E+02	1.43E-03	1.14E-03	-2.29E-04
1.87E+02	1.55E-03	1.14E-03	-8.72E-05
1.87E+02	1.58E-03	1.12E-03	9.46E-05
1.87E+02	1.49E-03	1.03E-03	1.85E-04
1.87E+02	1.38E-03	9.02E-04	3.24E-04
1.87E+02	1.24E-03	8.09E-04	4.70E-04
1.87E+02	1.09E-03	6.72E-04	5.06E-04
1.87E+02	9.06E-04	5.55E-04	5.57E-04
1.87E+02	7.25E-04	4.74E-04	5.74E-04
1.87E+02	6.23E-04	3.96E-04	5.31E-04

1.87E+02	5.50E-04	3.68E-04	4.93E-04
1.87E+02	4.98E-04	3.36E-04	3.80E-04
1.87E+02	5.39E-04	2.95E-04	2.50E-04
1.87E+02	6.66E-04	2.92E-04	1.46E-04
1.87E+02	8.39E-04	2.85E-04	-5.05E-05
1.87E+02	1.04E-03	2.64E-04	-2.80E-04
1.87E+02	1.27E-03	2.49E-04	-4.48E-04
1.87E+02	1.54E-03	2.64E-04	-5.19E-04
1.87E+02	1.78E-03	3.13E-04	-4.88E-04
1.87E+02	1.97E-03	3.20E-04	-4.90E-04
1.87E+02	2.14E-03	3.20E-04	-4.43E-04
1.87E+02	2.25E-03	3.59E-04	-2.86E-04
1.87E+02	2.31E-03	3.52E-04	-2.43E-04
1.87E+02	2.30E-03	3.56E-04	-2.41E-04
1.87E+02	2.23E-03	3.88E-04	-2.18E-04
1.87E+02	2.17E-03	3.79E-04	-2.12E-04
1.87E+02	2.11E-03	4.03E-04	-1.05E-04
1.87E+02	2.00E-03	3.78E-04	1.11E-05
1.87E+02	1.89E-03	3.07E-04	1.59E-04
1.87E+02	1.82E-03	3.19E-04	3.82E-04
1.87E+02	1.78E-03	3.01E-04	4.82E-04
1.87E+02	1.74E-03	2.75E-04	5.23E-04
1.87E+02	1.66E-03	3.17E-04	5.73E-04
1.87E+02	1.62E-03	3.66E-04	6.05E-04
1.87E+02	1.59E-03	4.25E-04	7.05E-04
1.87E+02	1.49E-03	4.12E-04	7.46E-04
1.87E+02	1.36E-03	3.14E-04	7.20E-04
1.87E+02	1.24E-03	2.18E-04	7.79E-04
1.87E+02	1.12E-03	1.00E-04	7.84E-04
1.87E+02	9.73E-04	2.29E-06	6.83E-04
1.87E+02	7.93E-04	-3.78E-05	4.98E-04
1.87E+02	6.86E-04	-3.45E-05	2.41E-04
1.87E+02	6.53E-04	3.60E-05	6.58E-05
1.87E+02	6.02E-04	8.77E-05	-7.06E-05
1.87E+02	5.72E-04	7.90E-05	-2.16E-04
1.87E+02	5.89E-04	5.49E-05	-2.63E-04
1.87E+02	6.24E-04	-2.19E-05	-2.83E-04
1.87E+02	6.58E-04	-1.55E-04	-3.39E-04
1.87E+02	6.72E-04	-2.87E-04	-3.84E-04
1.87E+02	7.07E-04	-3.84E-04	-4.48E-04
1.87E+02	7.40E-04	-4.24E-04	-5.10E-04
1.87E+02	6.89E-04	-4.18E-04	-5.51E-04
1.87E+02	6.03E-04	-3.85E-04	-6.13E-04
1.87E+02	5.12E-04	-2.98E-04	-6.16E-04
1.87E+02	4.12E-04	-1.82E-04	-6.12E-04
1.87E+02	2.98E-04	-1.14E-04	-7.13E-04
1.87E+02	1.71E-04	-7.67E-05	-8.01E-04

1.87E+02	1.22E-04	-5.28E-05	-8.76E-04
1.87E+02	1.46E-04	-3.95E-05	-9.57E-04
1.87E+02	1.70E-04	-2.52E-05	-1.02E-03
1.87E+02	2.00E-04	-5.19E-05	-1.13E-03
1.87E+02	2.50E-04	-7.59E-05	-1.12E-03
1.87E+02	3.19E-04	-8.18E-05	-9.93E-04
1.87E+02	3.64E-04	-1.30E-04	-9.14E-04
1.87E+02	3.52E-04	-1.78E-04	-7.88E-04
1.87E+02	3.56E-04	-1.90E-04	-6.54E-04
1.87E+02	4.10E-04	-1.49E-04	-5.17E-04
1.87E+02	4.47E-04	-5.93E-05	-3.75E-04
1.87E+02	4.99E-04	4.12E-05	-3.17E-04
1.87E+02	5.90E-04	2.17E-04	-2.04E-04
1.87E+02	6.88E-04	4.34E-04	-6.69E-05
1.87E+02	8.01E-04	5.93E-04	-2.40E-05
1.87E+02	8.58E-04	7.14E-04	2.37E-05
1.87E+02	8.96E-04	7.86E-04	5.93E-05
1.87E+02	9.62E-04	7.99E-04	1.06E-04
1.87E+02	9.49E-04	7.71E-04	2.04E-04
1.87E+02	8.68E-04	6.81E-04	2.29E-04
1.87E+02	7.59E-04	5.88E-04	2.27E-04
1.87E+02	6.51E-04	5.35E-04	2.07E-04
1.87E+02	5.71E-04	4.62E-04	3.01E-05
1.87E+02	4.59E-04	3.70E-04	-1.92E-04
1.87E+02	3.80E-04	2.99E-04	-3.67E-04
1.87E+02	4.00E-04	2.45E-04	-4.64E-04
1.87E+02	4.17E-04	1.89E-04	-4.47E-04
1.87E+02	4.07E-04	4.50E-05	-4.73E-04
1.87E+02	4.14E-04	-1.88E-04	-4.79E-04
1.87E+02	4.08E-04	-4.65E-04	-4.13E-04
1.87E+02	3.74E-04	-8.27E-04	-4.07E-04
1.87E+02	2.79E-04	-1.22E-03	-3.68E-04
1.87E+02	1.44E-04	-1.58E-03	-2.99E-04
1.87E+02	4.62E-05	-1.91E-03	-2.08E-04
1.87E+02	-6.83E-05	-2.16E-03	-8.77E-06
1.87E+02	-2.02E-04	-2.38E-03	1.71E-04
1.87E+02	-2.76E-04	-2.55E-03	3.64E-04
1.87E+02	-3.01E-04	-2.65E-03	6.08E-04
1.87E+02	-2.73E-04	-2.75E-03	7.48E-04
1.87E+02	-2.33E-04	-2.83E-03	8.50E-04
1.87E+02	-1.92E-04	-2.85E-03	9.47E-04
1.87E+02	-7.61E-05	-2.83E-03	1.04E-03
1.87E+02	4.94E-05	-2.75E-03	1.15E-03
1.87E+02	1.24E-04	-2.69E-03	1.14E-03
1.87E+02	2.05E-04	-2.62E-03	1.08E-03
1.87E+02	2.98E-04	-2.47E-03	1.08E-03
1.87E+02	3.82E-04	-2.32E-03	1.00E-03

1.87E+02	4.23E-04	-2.14E-03	8.83E-04
1.87E+02	4.06E-04	-1.93E-03	7.03E-04
1.87E+02	4.13E-04	-1.72E-03	4.64E-04
1.87E+02	4.17E-04	-1.47E-03	2.70E-04
1.87E+02	3.60E-04	-1.22E-03	5.87E-05
1.87E+02	3.23E-04	-9.79E-04	-9.86E-05
1.87E+02	3.16E-04	-6.75E-04	-9.73E-05
1.87E+02	3.34E-04	-3.94E-04	-8.26E-05
1.87E+02	3.80E-04	-1.29E-04	-7.00E-05
1.87E+02	4.15E-04	1.31E-04	-2.92E-05
1.87E+02	5.26E-04	3.61E-04	-1.26E-05
1.87E+02	6.73E-04	5.85E-04	0.00E+00
1.87E+02	7.50E-04	7.45E-04	-6.48E-05
1.87E+02	8.29E-04	8.57E-04	-1.85E-04
1.87E+02	8.84E-04	9.68E-04	-2.39E-04
1.87E+02	9.00E-04	1.06E-03	-2.47E-04
1.87E+02	8.87E-04	1.13E-03	-1.80E-04
1.87E+02	7.85E-04	1.18E-03	-4.18E-05
1.87E+02	6.79E-04	1.18E-03	9.33E-05
1.87E+02	5.78E-04	1.16E-03	2.61E-04
1.87E+02	3.98E-04	1.10E-03	4.14E-04
1.87E+02	1.86E-04	9.72E-04	4.73E-04
1.87E+02	-3.55E-05	8.16E-04	4.91E-04
1.87E+02	-2.65E-04	6.24E-04	4.27E-04
1.87E+02	-4.89E-04	3.74E-04	2.71E-04
1.87E+02	-7.13E-04	1.10E-04	1.47E-04
1.87E+02	-8.64E-04	-1.52E-04	3.93E-05
1.87E+02	-9.14E-04	-4.01E-04	-5.70E-05
1.87E+02	-9.22E-04	-6.63E-04	-1.84E-04
1.87E+02	-8.64E-04	-9.69E-04	-4.26E-04
1.87E+02	-7.23E-04	-1.24E-03	-6.77E-04
1.87E+02	-5.29E-04	-1.46E-03	-9.47E-04
1.87E+02	-3.18E-04	-1.66E-03	-1.27E-03
1.87E+02	-1.62E-04	-1.83E-03	-1.56E-03
1.87E+02	-3.43E-05	-1.97E-03	-1.80E-03
1.87E+02	8.98E-05	-2.08E-03	-1.93E-03
1.87E+02	1.41E-04	-2.16E-03	-1.97E-03
1.87E+02	1.48E-04	-2.25E-03	-2.03E-03
1.87E+02	1.51E-04	-2.28E-03	-1.97E-03
1.87E+02	1.59E-04	-2.25E-03	-1.79E-03
1.87E+02	1.96E-04	-2.19E-03	-1.54E-03
1.87E+02	2.19E-04	-2.09E-03	-1.21E-03
1.87E+02	2.57E-04	-1.96E-03	-8.94E-04
1.87E+02	3.47E-04	-1.84E-03	-6.23E-04
1.87E+02	4.14E-04	-1.74E-03	-3.73E-04
1.88E+02	4.68E-04	-1.69E-03	-1.89E-04
1.88E+02	5.36E-04	-1.67E-03	5.72E-05

1.88E+02	6.10E-04	-1.63E-03	3.67E-04
1.88E+02	6.73E-04	-1.60E-03	6.11E-04
1.88E+02	6.47E-04	-1.55E-03	8.05E-04
1.88E+02	5.87E-04	-1.47E-03	8.98E-04
1.88E+02	5.68E-04	-1.35E-03	8.71E-04
1.88E+02	5.08E-04	-1.21E-03	7.79E-04
1.88E+02	4.19E-04	-1.08E-03	6.39E-04
1.88E+02	3.45E-04	-9.12E-04	5.76E-04
1.88E+02	2.85E-04	-7.05E-04	5.87E-04
1.88E+02	2.73E-04	-5.02E-04	5.51E-04
1.88E+02	2.50E-04	-3.20E-04	5.59E-04
1.88E+02	2.19E-04	-1.80E-04	6.33E-04
1.88E+02	2.40E-04	-6.50E-05	7.19E-04
1.88E+02	2.36E-04	3.68E-05	7.81E-04
1.88E+02	2.13E-04	7.84E-05	6.85E-04
1.88E+02	1.99E-04	1.06E-04	5.21E-04
1.88E+02	1.51E-04	1.39E-04	4.10E-04
1.88E+02	6.66E-05	1.17E-04	2.67E-04
1.88E+02	-1.13E-04	7.11E-05	1.21E-04
1.88E+02	-3.66E-04	2.50E-05	-1.83E-05
1.88E+02	-6.14E-04	-1.20E-05	-1.65E-04
1.88E+02	-8.92E-04	-1.05E-05	-2.71E-04
1.88E+02	-1.21E-03	-2.73E-05	-4.21E-04
1.88E+02	-1.48E-03	-1.26E-05	-5.34E-04
1.88E+02	-1.68E-03	8.87E-05	-5.04E-04
1.88E+02	-1.81E-03	1.80E-04	-5.05E-04
1.88E+02	-1.90E-03	2.57E-04	-4.84E-04
1.88E+02	-1.92E-03	3.33E-04	-3.62E-04
1.88E+02	-1.82E-03	4.06E-04	-2.10E-04
1.88E+02	-1.62E-03	4.72E-04	-6.68E-05
1.88E+02	-1.41E-03	4.71E-04	-8.64E-05
1.88E+02	-1.14E-03	4.40E-04	-2.41E-04
1.88E+02	-8.24E-04	4.36E-04	-4.15E-04
1.88E+02	-5.01E-04	4.43E-04	-6.56E-04
1.88E+02	-2.01E-04	4.60E-04	-8.40E-04
1.88E+02	3.76E-05	4.90E-04	-9.13E-04
1.88E+02	2.84E-04	4.99E-04	-9.28E-04
1.88E+02	4.90E-04	4.72E-04	-8.10E-04
1.88E+02	5.86E-04	3.99E-04	-6.63E-04
1.88E+02	6.40E-04	3.02E-04	-5.40E-04
1.88E+02	6.65E-04	2.65E-04	-3.64E-04
1.88E+02	6.53E-04	2.34E-04	-3.34E-04
1.88E+02	6.00E-04	2.05E-04	-4.48E-04
1.88E+02	4.96E-04	2.73E-04	-5.77E-04
1.88E+02	4.10E-04	4.01E-04	-7.25E-04
1.88E+02	3.47E-04	5.82E-04	-7.80E-04
1.88E+02	2.43E-04	7.55E-04	-7.79E-04

1.88E+02	1.30E-04	8.53E-04	-7.08E-04
1.88E+02	3.97E-05	9.47E-04	-5.19E-04
1.88E+02	-6.01E-05	1.01E-03	-3.38E-04
1.88E+02	-1.92E-04	1.06E-03	-1.41E-04
1.88E+02	-3.67E-04	1.16E-03	5.25E-05
1.88E+02	-5.00E-04	1.25E-03	1.76E-04
1.88E+02	-5.69E-04	1.39E-03	2.81E-04
1.88E+02	-6.47E-04	1.54E-03	3.06E-04
1.88E+02	-6.87E-04	1.63E-03	2.58E-04
1.88E+02	-6.83E-04	1.75E-03	2.49E-04
1.88E+02	-6.69E-04	1.82E-03	2.43E-04
1.88E+02	-6.65E-04	1.85E-03	2.35E-04
1.88E+02	-7.35E-04	1.89E-03	2.42E-04
1.88E+02	-8.19E-04	1.90E-03	2.16E-04
1.88E+02	-8.93E-04	1.97E-03	2.28E-04
1.88E+02	-1.03E-03	2.05E-03	2.13E-04
1.88E+02	-1.20E-03	2.08E-03	9.02E-05
1.88E+02	-1.36E-03	2.08E-03	1.41E-05
1.88E+02	-1.50E-03	2.03E-03	-2.17E-05
1.88E+02	-1.63E-03	1.87E-03	-7.76E-05
1.88E+02	-1.78E-03	1.66E-03	-1.12E-04
1.88E+02	-1.88E-03	1.43E-03	-1.58E-04
1.88E+02	-1.90E-03	1.22E-03	-1.90E-04
1.88E+02	-1.90E-03	1.03E-03	-2.58E-04
1.88E+02	-1.87E-03	8.58E-04	-3.69E-04
1.88E+02	-1.76E-03	7.97E-04	-3.07E-04
1.88E+02	-1.60E-03	8.15E-04	-1.21E-04
1.88E+02	-1.39E-03	8.25E-04	6.29E-06
1.88E+02	-1.20E-03	8.27E-04	1.04E-04
1.88E+02	-1.03E-03	8.18E-04	2.05E-04
1.88E+02	-7.78E-04	8.17E-04	3.41E-04
1.88E+02	-5.25E-04	8.01E-04	4.57E-04
1.88E+02	-2.74E-04	6.96E-04	4.39E-04
1.88E+02	1.91E-05	5.91E-04	4.06E-04
1.88E+02	3.21E-04	5.12E-04	3.85E-04
1.88E+02	6.34E-04	3.85E-04	2.69E-04
1.88E+02	9.05E-04	2.68E-04	1.40E-04
1.88E+02	1.13E-03	1.50E-04	3.45E-05
1.88E+02	1.39E-03	7.63E-06	-1.26E-05
1.88E+02	1.63E-03	-1.45E-04	3.91E-05
1.88E+02	1.83E-03	-3.46E-04	6.28E-05
1.88E+02	2.05E-03	-5.30E-04	8.68E-05
1.88E+02	2.27E-03	-6.40E-04	1.35E-04
1.88E+02	2.50E-03	-7.15E-04	1.02E-04
1.88E+02	2.69E-03	-7.45E-04	7.29E-05
1.88E+02	2.83E-03	-7.05E-04	6.37E-05
1.88E+02	2.99E-03	-6.00E-04	3.26E-05

1.88E+02	3.07E-03	-4.48E-04	1.26E-05
1.88E+02	3.04E-03	-3.25E-04	-9.35E-05
1.88E+02	2.96E-03	-2.26E-04	-1.94E-04
1.88E+02	2.81E-03	-1.09E-04	-1.67E-04
1.88E+02	2.56E-03	9.54E-06	-1.47E-04
1.88E+02	2.22E-03	1.37E-04	-1.28E-04
1.88E+02	1.78E-03	2.69E-04	-8.54E-05
1.88E+02	1.37E-03	4.37E-04	-4.92E-05
1.88E+02	9.41E-04	6.28E-04	1.54E-05
1.88E+02	4.69E-04	7.71E-04	7.82E-05
1.88E+02	3.60E-05	8.93E-04	1.74E-04
1.88E+02	-3.82E-04	1.00E-03	3.44E-04
1.88E+02	-7.53E-04	1.08E-03	4.88E-04
1.88E+02	-1.10E-03	1.15E-03	6.11E-04
1.88E+02	-1.44E-03	1.23E-03	7.42E-04
1.88E+02	-1.69E-03	1.33E-03	8.33E-04
1.88E+02	-1.88E-03	1.46E-03	9.29E-04
1.88E+02	-2.06E-03	1.53E-03	9.58E-04
1.88E+02	-2.17E-03	1.56E-03	9.19E-04
1.88E+02	-2.21E-03	1.58E-03	8.91E-04
1.88E+02	-2.18E-03	1.56E-03	7.86E-04
1.88E+02	-2.13E-03	1.51E-03	6.20E-04
1.88E+02	-2.09E-03	1.45E-03	4.17E-04
1.88E+02	-1.96E-03	1.38E-03	2.42E-04
1.88E+02	-1.74E-03	1.32E-03	2.00E-04
1.88E+02	-1.50E-03	1.24E-03	1.84E-04
1.88E+02	-1.21E-03	1.14E-03	2.07E-04
1.88E+02	-8.62E-04	1.00E-03	2.90E-04
1.88E+02	-4.67E-04	8.21E-04	2.74E-04
1.88E+02	-7.02E-05	5.88E-04	2.01E-04
1.88E+02	3.09E-04	3.30E-04	1.74E-04
1.88E+02	6.98E-04	3.89E-05	1.88E-04
1.88E+02	1.06E-03	-2.69E-04	2.36E-04
1.88E+02	1.32E-03	-6.10E-04	2.10E-04
1.88E+02	1.53E-03	-9.92E-04	1.29E-04
1.88E+02	1.70E-03	-1.31E-03	1.44E-04
1.88E+02	1.80E-03	-1.60E-03	1.57E-04
1.88E+02	1.85E-03	-1.85E-03	1.49E-04
1.88E+02	1.83E-03	-1.97E-03	2.00E-04
1.88E+02	1.77E-03	-2.01E-03	2.07E-04
1.88E+02	1.73E-03	-1.93E-03	2.38E-04
1.88E+02	1.64E-03	-1.76E-03	3.29E-04
1.88E+02	1.51E-03	-1.57E-03	3.68E-04
1.88E+02	1.40E-03	-1.34E-03	4.27E-04
1.88E+02	1.26E-03	-1.11E-03	4.53E-04
1.88E+02	1.11E-03	-9.41E-04	4.06E-04
1.88E+02	8.95E-04	-8.36E-04	4.21E-04

1.88E+02	6.57E-04	-7.67E-04	5.26E-04
1.88E+02	4.42E-04	-7.11E-04	7.25E-04
1.88E+02	1.82E-04	-6.95E-04	9.27E-04
1.88E+02	-8.47E-05	-7.25E-04	1.04E-03
1.88E+02	-2.98E-04	-7.22E-04	1.13E-03
1.88E+02	-4.53E-04	-6.81E-04	1.15E-03
1.88E+02	-5.50E-04	-6.46E-04	1.05E-03
1.88E+02	-5.97E-04	-5.91E-04	9.64E-04
1.88E+02	-6.08E-04	-5.93E-04	8.52E-04
1.88E+02	-5.84E-04	-6.52E-04	7.51E-04
1.88E+02	-5.61E-04	-7.16E-04	6.83E-04
1.88E+02	-5.77E-04	-8.27E-04	5.98E-04
1.88E+02	-6.02E-04	-9.18E-04	6.06E-04
1.88E+02	-6.35E-04	-9.70E-04	6.76E-04
1.88E+02	-6.64E-04	-1.02E-03	7.04E-04
1.88E+02	-7.02E-04	-1.01E-03	7.65E-04
1.88E+02	-7.35E-04	-9.35E-04	8.04E-04
1.88E+02	-6.94E-04	-8.05E-04	7.81E-04
1.88E+02	-6.47E-04	-6.23E-04	7.47E-04
1.88E+02	-6.00E-04	-4.60E-04	6.34E-04
1.88E+02	-5.18E-04	-3.11E-04	5.27E-04
1.88E+02	-4.37E-04	-1.59E-04	4.33E-04
1.88E+02	-3.44E-04	-2.96E-05	2.68E-04
1.88E+02	-3.18E-04	1.07E-04	1.17E-04
1.88E+02	-3.39E-04	2.61E-04	-3.70E-05
1.88E+02	-2.84E-04	4.63E-04	-1.24E-04
1.88E+02	-2.36E-04	6.89E-04	-8.89E-05
1.88E+02	-2.26E-04	8.72E-04	-5.40E-05
1.88E+02	-2.04E-04	1.02E-03	1.11E-05
1.88E+02	-1.86E-04	1.12E-03	1.15E-04
1.88E+02	-1.46E-04	1.17E-03	1.67E-04
1.88E+02	-1.42E-04	1.18E-03	1.91E-04
1.88E+02	-1.59E-04	1.19E-03	2.85E-04
1.88E+02	-9.71E-05	1.27E-03	4.80E-04
1.88E+02	-6.24E-05	1.36E-03	7.10E-04
1.88E+02	-9.31E-05	1.45E-03	8.69E-04
1.88E+02	-1.20E-04	1.55E-03	9.61E-04
1.88E+02	-1.51E-04	1.65E-03	1.06E-03
1.88E+02	-1.76E-04	1.74E-03	1.08E-03
1.88E+02	-2.28E-04	1.79E-03	1.00E-03
1.88E+02	-2.94E-04	1.82E-03	8.76E-04
1.88E+02	-2.71E-04	1.81E-03	7.01E-04
1.88E+02	-2.24E-04	1.79E-03	5.75E-04
1.88E+02	-2.17E-04	1.71E-03	4.53E-04
1.88E+02	-1.66E-04	1.58E-03	3.21E-04
1.88E+02	-7.90E-05	1.45E-03	3.08E-04
1.88E+02	1.11E-05	1.30E-03	2.91E-04

1.88E+02	1.01E-04	1.12E-03	2.11E-04
1.88E+02	1.75E-04	9.72E-04	1.80E-04
1.88E+02	2.74E-04	8.64E-04	1.98E-04
1.88E+02	3.74E-04	8.12E-04	2.37E-04
1.88E+02	4.56E-04	7.63E-04	2.26E-04
1.88E+02	5.81E-04	7.04E-04	2.15E-04
1.88E+02	7.28E-04	7.25E-04	3.21E-04
1.88E+02	8.99E-04	7.90E-04	4.40E-04
1.88E+02	1.07E-03	8.50E-04	4.75E-04
1.88E+02	1.19E-03	9.35E-04	4.62E-04
1.89E+02	1.32E-03	1.04E-03	4.06E-04
1.89E+02	1.43E-03	1.15E-03	3.03E-04
1.89E+02	1.47E-03	1.22E-03	1.71E-04
1.89E+02	1.43E-03	1.24E-03	7.34E-05
1.89E+02	1.33E-03	1.22E-03	7.51E-05
1.89E+02	1.19E-03	1.14E-03	7.06E-05
1.89E+02	1.02E-03	9.73E-04	2.71E-05
1.89E+02	7.94E-04	7.67E-04	3.97E-05
1.89E+02	6.02E-04	5.47E-04	8.66E-05
1.89E+02	4.80E-04	3.61E-04	1.75E-04
1.89E+02	3.56E-04	1.77E-04	2.22E-04
1.89E+02	2.93E-04	-2.50E-05	1.59E-04
1.89E+02	3.01E-04	-1.89E-04	1.39E-04
1.89E+02	3.44E-04	-3.41E-04	1.46E-04
1.89E+02	4.20E-04	-4.99E-04	1.50E-04
1.89E+02	4.46E-04	-6.32E-04	1.67E-04
1.89E+02	4.79E-04	-7.48E-04	7.08E-05
1.89E+02	5.58E-04	-8.30E-04	-5.19E-05
1.89E+02	5.86E-04	-8.73E-04	-1.32E-04
1.89E+02	5.80E-04	-9.15E-04	-2.53E-04
1.89E+02	5.57E-04	-9.14E-04	-3.31E-04
1.89E+02	4.89E-04	-8.61E-04	-4.06E-04
1.89E+02	3.87E-04	-8.06E-04	-5.28E-04
1.89E+02	2.08E-04	-7.53E-04	-5.98E-04
1.89E+02	1.51E-05	-6.94E-04	-6.41E-04
1.89E+02	-9.94E-05	-6.21E-04	-6.19E-04
1.89E+02	-2.16E-04	-5.59E-04	-5.05E-04
1.89E+02	-3.25E-04	-5.50E-04	-3.99E-04
1.89E+02	-3.75E-04	-5.72E-04	-2.49E-04
1.89E+02	-3.91E-04	-6.19E-04	-7.38E-05
1.89E+02	-3.71E-04	-7.05E-04	5.17E-05
1.89E+02	-3.75E-04	-8.10E-04	1.70E-04
1.89E+02	-3.75E-04	-9.29E-04	2.30E-04
1.89E+02	-3.09E-04	-1.02E-03	2.41E-04
1.89E+02	-2.72E-04	-1.08E-03	2.30E-04
1.89E+02	-2.82E-04	-1.13E-03	1.03E-04
1.89E+02	-3.07E-04	-1.16E-03	-3.32E-05

1.89E+02	-3.54E-04	-1.15E-03	-1.06E-04
1.89E+02	-4.24E-04	-1.13E-03	-2.34E-04
1.89E+02	-5.50E-04	-1.11E-03	-3.70E-04
1.89E+02	-6.99E-04	-1.07E-03	-4.79E-04
1.89E+02	-8.02E-04	-1.00E-03	-6.00E-04
1.89E+02	-9.24E-04	-9.37E-04	-7.20E-04
1.89E+02	-1.06E-03	-9.04E-04	-8.82E-04
1.89E+02	-1.12E-03	-8.55E-04	-9.79E-04
1.89E+02	-1.12E-03	-7.73E-04	-9.61E-04
1.89E+02	-1.09E-03	-6.86E-04	-9.74E-04
1.89E+02	-1.04E-03	-6.01E-04	-9.66E-04
1.89E+02	-9.85E-04	-5.01E-04	-9.08E-04
1.89E+02	-8.67E-04	-4.07E-04	-8.57E-04
1.89E+02	-7.36E-04	-3.18E-04	-7.60E-04
1.89E+02	-6.38E-04	-2.45E-04	-7.14E-04
1.89E+02	-5.54E-04	-1.80E-04	-7.13E-04
1.89E+02	-4.84E-04	-8.30E-05	-6.68E-04
1.89E+02	-4.26E-04	1.32E-05	-6.77E-04
1.89E+02	-3.93E-04	1.01E-04	-6.60E-04
1.89E+02	-3.88E-04	2.08E-04	-5.79E-04
1.89E+02	-3.47E-04	3.35E-04	-5.18E-04
1.89E+02	-3.00E-04	4.68E-04	-4.30E-04
1.89E+02	-2.98E-04	5.58E-04	-3.97E-04
1.89E+02	-2.64E-04	6.19E-04	-3.78E-04
1.89E+02	-2.14E-04	6.79E-04	-3.02E-04
1.89E+02	-1.65E-04	7.19E-04	-3.17E-04
1.89E+02	-1.20E-04	7.52E-04	-3.77E-04
1.89E+02	-1.09E-04	7.76E-04	-4.35E-04
1.89E+02	-3.62E-05	7.80E-04	-5.42E-04
1.89E+02	6.56E-05	7.71E-04	-6.11E-04
1.89E+02	1.18E-04	6.94E-04	-6.81E-04
1.89E+02	1.76E-04	5.45E-04	-7.76E-04
1.89E+02	2.25E-04	3.74E-04	-8.41E-04
1.89E+02	2.75E-04	1.52E-04	-9.43E-04
1.89E+02	2.93E-04	-1.13E-04	-1.04E-03
1.89E+02	2.28E-04	-3.83E-04	-1.07E-03
1.89E+02	1.93E-04	-6.12E-04	-1.05E-03
1.89E+02	1.46E-04	-7.78E-04	-9.42E-04
1.89E+02	1.11E-05	-9.20E-04	-8.00E-04
1.89E+02	-1.38E-04	-1.03E-03	-6.02E-04
1.89E+02	-3.17E-04	-1.13E-03	-2.70E-04
1.89E+02	-5.27E-04	-1.25E-03	7.97E-05
1.89E+02	-7.87E-04	-1.39E-03	3.87E-04
1.89E+02	-1.12E-03	-1.53E-03	6.66E-04
1.89E+02	-1.40E-03	-1.66E-03	8.79E-04
1.89E+02	-1.63E-03	-1.75E-03	1.07E-03
1.89E+02	-1.85E-03	-1.80E-03	1.20E-03

1.89E+02	-2.00E-03	-1.82E-03	1.24E-03
1.89E+02	-2.05E-03	-1.76E-03	1.31E-03
1.89E+02	-2.01E-03	-1.68E-03	1.30E-03
1.89E+02	-1.91E-03	-1.63E-03	1.14E-03
1.89E+02	-1.80E-03	-1.61E-03	9.40E-04
1.89E+02	-1.66E-03	-1.62E-03	6.49E-04
1.89E+02	-1.48E-03	-1.65E-03	3.20E-04
1.89E+02	-1.33E-03	-1.70E-03	-1.95E-05
1.89E+02	-1.18E-03	-1.77E-03	-3.75E-04
1.89E+02	-1.02E-03	-1.79E-03	-6.08E-04
1.89E+02	-8.71E-04	-1.77E-03	-7.72E-04
1.89E+02	-7.53E-04	-1.73E-03	-9.51E-04
1.89E+02	-7.20E-04	-1.66E-03	-1.11E-03
1.89E+02	-7.01E-04	-1.56E-03	-1.29E-03
1.89E+02	-6.71E-04	-1.46E-03	-1.44E-03
1.89E+02	-7.03E-04	-1.39E-03	-1.53E-03
1.89E+02	-7.64E-04	-1.38E-03	-1.59E-03
1.89E+02	-8.16E-04	-1.39E-03	-1.52E-03
1.89E+02	-8.55E-04	-1.42E-03	-1.37E-03
1.89E+02	-8.79E-04	-1.49E-03	-1.19E-03
1.89E+02	-9.36E-04	-1.57E-03	-8.92E-04
1.89E+02	-1.00E-03	-1.66E-03	-5.77E-04
1.89E+02	-1.04E-03	-1.71E-03	-3.05E-04
1.89E+02	-1.11E-03	-1.73E-03	-1.29E-04
1.89E+02	-1.19E-03	-1.75E-03	-9.04E-05
1.89E+02	-1.24E-03	-1.71E-03	-5.25E-05
1.89E+02	-1.29E-03	-1.59E-03	-1.51E-05
1.89E+02	-1.33E-03	-1.48E-03	-4.94E-05
1.89E+02	-1.43E-03	-1.37E-03	-1.30E-04
1.89E+02	-1.57E-03	-1.29E-03	-2.87E-04
1.89E+02	-1.64E-03	-1.24E-03	-4.98E-04
1.89E+02	-1.70E-03	-1.20E-03	-7.12E-04
1.89E+02	-1.74E-03	-1.20E-03	-9.66E-04
1.89E+02	-1.73E-03	-1.18E-03	-1.12E-03
1.89E+02	-1.66E-03	-1.12E-03	-1.09E-03
1.89E+02	-1.54E-03	-1.06E-03	-9.49E-04
1.89E+02	-1.45E-03	-9.94E-04	-7.22E-04
1.89E+02	-1.36E-03	-9.26E-04	-4.71E-04
1.89E+02	-1.24E-03	-8.45E-04	-2.52E-04
1.89E+02	-1.13E-03	-7.80E-04	-9.19E-05
1.89E+02	-1.06E-03	-7.83E-04	-8.11E-05
1.89E+02	-9.49E-04	-7.59E-04	-1.06E-04
1.89E+02	-8.26E-04	-6.77E-04	-8.09E-05
1.89E+02	-7.36E-04	-5.91E-04	-7.72E-05
1.89E+02	-6.88E-04	-4.70E-04	-2.42E-05
1.89E+02	-7.06E-04	-3.57E-04	7.04E-05
1.89E+02	-7.35E-04	-2.46E-04	1.41E-04

1.89E+02	-7.81E-04	-1.10E-04	2.21E-04
1.89E+02	-8.91E-04	-2.04E-05	2.45E-04
1.89E+02	-1.00E-03	7.08E-05	2.72E-04
1.89E+02	-1.10E-03	1.83E-04	3.57E-04
1.89E+02	-1.18E-03	2.22E-04	3.41E-04
1.89E+02	-1.28E-03	1.63E-04	2.53E-04
1.89E+02	-1.42E-03	1.16E-05	1.79E-04
1.89E+02	-1.50E-03	-1.87E-04	1.13E-04
1.89E+02	-1.55E-03	-3.97E-04	4.73E-05
1.89E+02	-1.59E-03	-6.27E-04	-1.32E-04
1.89E+02	-1.57E-03	-8.18E-04	-3.65E-04
1.89E+02	-1.50E-03	-9.19E-04	-5.03E-04
1.89E+02	-1.40E-03	-9.65E-04	-6.42E-04
1.89E+02	-1.31E-03	-9.54E-04	-7.54E-04
1.89E+02	-1.23E-03	-8.86E-04	-7.64E-04
1.89E+02	-1.09E-03	-7.87E-04	-7.31E-04
1.89E+02	-9.20E-04	-6.71E-04	-6.48E-04
1.89E+02	-7.78E-04	-6.07E-04	-5.75E-04
1.89E+02	-6.11E-04	-5.74E-04	-5.00E-04
1.89E+02	-4.32E-04	-5.07E-04	-3.35E-04
1.89E+02	-2.71E-04	-4.67E-04	-2.34E-04
1.89E+02	-1.14E-04	-4.29E-04	-1.94E-04
1.89E+02	-1.95E-05	-3.42E-04	-1.51E-04
1.89E+02	5.32E-05	-2.42E-04	-1.96E-04
1.89E+02	1.38E-04	-1.26E-04	-2.57E-04
1.89E+02	1.70E-04	-3.05E-05	-3.36E-04
1.89E+02	1.92E-04	6.29E-06	-4.16E-04
1.89E+02	2.27E-04	3.60E-05	-3.54E-04
1.89E+02	2.64E-04	5.51E-05	-2.45E-04
1.89E+02	2.82E-04	8.96E-06	-1.49E-04
1.89E+02	2.30E-04	-7.29E-05	-4.02E-05
1.89E+02	1.82E-04	-1.75E-04	-6.10E-06
1.89E+02	1.57E-04	-2.82E-04	-8.96E-06
1.89E+02	9.04E-05	-3.81E-04	-3.45E-05
1.89E+02	4.01E-05	-4.95E-04	-9.71E-05
1.89E+02	2.17E-05	-5.90E-04	-6.29E-05
1.89E+02	2.33E-05	-6.86E-04	7.82E-06
1.89E+02	3.85E-05	-8.10E-04	3.49E-05
1.89E+02	-2.12E-05	-9.26E-04	5.53E-05
1.89E+02	-9.63E-05	-1.01E-03	2.50E-05
1.89E+02	-1.23E-04	-1.02E-03	-2.29E-06
1.89E+02	-1.87E-04	-9.88E-04	-4.63E-05
1.89E+02	-2.47E-04	-9.61E-04	-1.60E-04
1.89E+02	-2.56E-04	-8.69E-04	-2.03E-04
1.89E+02	-2.26E-04	-7.30E-04	-1.88E-04
1.89E+02	-1.57E-04	-5.87E-04	-1.87E-04
1.89E+02	-1.16E-04	-4.20E-04	-1.29E-04

1.89E+02	-6.39E-05	-2.37E-04	-3.85E-05
1.89E+02	5.42E-05	-5.72E-05	6.10E-05
1.89E+02	1.53E-04	9.29E-05	1.49E-04
1.89E+02	2.30E-04	1.77E-04	1.35E-04
1.89E+02	3.20E-04	2.20E-04	1.02E-04
1.89E+02	4.11E-04	2.30E-04	7.84E-05
1.89E+02	4.92E-04	1.65E-04	-1.75E-05
1.89E+02	5.27E-04	4.96E-05	-8.81E-05
1.89E+02	5.41E-04	-7.55E-05	-8.26E-05
1.89E+02	5.75E-04	-1.83E-04	-1.41E-05
1.89E+02	5.61E-04	-2.70E-04	7.32E-05
1.89E+02	4.83E-04	-3.77E-04	4.60E-05
1.89E+02	4.08E-04	-4.59E-04	-2.86E-05
1.89E+02	3.34E-04	-4.76E-04	-1.01E-04
1.89E+02	2.49E-04	-4.59E-04	-2.44E-04
1.89E+02	1.35E-04	-3.87E-04	-3.64E-04
1.89E+02	3.22E-05	-2.62E-04	-4.30E-04
1.89E+02	-1.16E-05	-1.19E-04	-4.35E-04
1.89E+02	-6.62E-05	-7.82E-06	-3.42E-04
1.89E+02	-1.39E-04	2.04E-05	-2.98E-04
1.89E+02	-1.83E-04	3.81E-07	-2.93E-04
1.89E+02	-1.95E-04	-1.22E-05	-2.16E-04
1.90E+02	-1.71E-04	-2.52E-05	-1.59E-04
1.90E+02	-1.68E-04	-3.93E-05	-1.33E-04
1.90E+02	-1.76E-04	-2.08E-05	-9.78E-05
1.90E+02	-1.39E-04	4.71E-05	-5.17E-05
1.90E+02	-1.26E-04	1.23E-04	3.81E-05
1.90E+02	-1.50E-04	1.37E-04	1.09E-04
1.90E+02	-1.48E-04	1.06E-04	1.88E-04
1.90E+02	-1.17E-04	5.57E-05	3.03E-04
1.90E+02	-7.71E-05	-4.20E-05	3.40E-04
1.90E+02	-5.34E-05	-1.54E-04	3.37E-04
1.90E+02	-6.07E-05	-2.65E-04	2.92E-04
1.90E+02	-1.75E-05	-3.39E-04	1.93E-04
1.90E+02	5.30E-05	-3.46E-04	1.10E-04
1.90E+02	7.13E-05	-3.57E-04	-4.83E-05
1.90E+02	9.35E-05	-3.44E-04	-2.00E-04
1.90E+02	1.18E-04	-2.66E-04	-2.49E-04
1.90E+02	1.32E-04	-1.95E-04	-3.21E-04
1.90E+02	1.02E-04	-1.23E-04	-3.53E-04
1.90E+02	-1.91E-06	-5.91E-05	-3.09E-04
1.90E+02	-9.04E-05	-1.03E-05	-2.34E-04
1.90E+02	-1.84E-04	5.87E-05	-1.10E-04
1.90E+02	-3.35E-04	7.50E-05	-2.19E-05
1.90E+02	-4.69E-04	4.92E-05	8.32E-05
1.90E+02	-5.65E-04	3.76E-05	2.81E-04
1.90E+02	-6.20E-04	-1.03E-05	4.32E-04

1.90E+02	-6.67E-04	-7.02E-05	4.87E-04
1.90E+02	-7.24E-04	-1.15E-04	4.76E-04
1.90E+02	-7.01E-04	-1.46E-04	4.29E-04
1.90E+02	-6.48E-04	-1.68E-04	3.90E-04
1.90E+02	-6.42E-04	-2.23E-04	3.13E-04
1.90E+02	-6.15E-04	-2.91E-04	2.19E-04
1.90E+02	-5.63E-04	-3.34E-04	2.13E-04
1.90E+02	-4.84E-04	-3.89E-04	2.22E-04
1.90E+02	-3.85E-04	-4.64E-04	2.22E-04
1.90E+02	-3.00E-04	-5.25E-04	2.49E-04
1.90E+02	-1.52E-04	-5.67E-04	2.54E-04
1.90E+02	4.86E-05	-5.67E-04	2.89E-04
1.90E+02	2.19E-04	-5.61E-04	3.02E-04
1.90E+02	4.25E-04	-5.67E-04	2.49E-04
1.90E+02	6.82E-04	-5.10E-04	2.87E-04
1.90E+02	9.44E-04	-4.17E-04	3.56E-04
1.90E+02	1.18E-03	-3.26E-04	4.19E-04
1.90E+02	1.35E-03	-2.28E-04	5.34E-04
1.90E+02	1.49E-03	-1.37E-04	5.84E-04
1.90E+02	1.62E-03	-4.92E-05	5.93E-04
1.90E+02	1.65E-03	4.20E-06	5.41E-04
1.90E+02	1.64E-03	8.39E-06	3.94E-04
1.90E+02	1.60E-03	2.88E-05	3.43E-04
1.90E+02	1.54E-03	5.97E-05	3.49E-04
1.90E+02	1.47E-03	6.43E-05	3.16E-04
1.90E+02	1.33E-03	4.62E-05	3.11E-04
1.90E+02	1.17E-03	-1.18E-05	2.89E-04
1.90E+02	1.03E-03	-1.05E-04	3.00E-04
1.90E+02	8.48E-04	-2.34E-04	3.40E-04
1.90E+02	6.82E-04	-4.04E-04	3.14E-04
1.90E+02	5.76E-04	-5.50E-04	3.64E-04
1.90E+02	5.25E-04	-6.43E-04	4.95E-04
1.90E+02	5.33E-04	-7.11E-04	6.02E-04
1.90E+02	5.35E-04	-7.56E-04	7.10E-04
1.90E+02	5.87E-04	-7.72E-04	7.66E-04
1.90E+02	7.35E-04	-7.23E-04	7.95E-04
1.90E+02	8.88E-04	-6.39E-04	8.43E-04
1.90E+02	1.05E-03	-5.61E-04	8.79E-04
1.90E+02	1.23E-03	-4.41E-04	9.81E-04
1.90E+02	1.39E-03	-3.05E-04	1.06E-03
1.90E+02	1.51E-03	-1.92E-04	9.56E-04
1.90E+02	1.52E-03	-7.71E-05	8.06E-04
1.90E+02	1.44E-03	3.62E-05	6.50E-04
1.90E+02	1.37E-03	1.76E-04	5.17E-04
1.90E+02	1.25E-03	3.36E-04	4.49E-04
1.90E+02	1.11E-03	4.60E-04	3.45E-04
1.90E+02	1.00E-03	5.82E-04	2.88E-04

1.90E+02	9.29E-04	7.12E-04	3.28E-04
1.90E+02	9.07E-04	8.10E-04	3.48E-04
1.90E+02	8.86E-04	8.96E-04	3.66E-04
1.90E+02	8.87E-04	9.81E-04	3.53E-04
1.90E+02	9.90E-04	1.08E-03	3.47E-04
1.90E+02	1.09E-03	1.21E-03	4.26E-04
1.90E+02	1.17E-03	1.30E-03	4.83E-04
1.90E+02	1.24E-03	1.37E-03	5.78E-04
1.90E+02	1.26E-03	1.42E-03	7.38E-04
1.90E+02	1.24E-03	1.42E-03	7.76E-04
1.90E+02	1.10E-03	1.37E-03	7.45E-04
1.90E+02	8.94E-04	1.32E-03	7.13E-04
1.90E+02	7.32E-04	1.30E-03	6.53E-04
1.90E+02	5.33E-04	1.29E-03	5.69E-04
1.90E+02	3.01E-04	1.26E-03	3.47E-04
1.90E+02	9.98E-05	1.24E-03	8.14E-05
1.90E+02	-7.82E-05	1.24E-03	-8.13E-05
1.90E+02	-2.19E-04	1.22E-03	-1.99E-04
1.90E+02	-3.58E-04	1.15E-03	-2.30E-04
1.90E+02	-5.01E-04	1.05E-03	-1.96E-04
1.90E+02	-5.61E-04	9.35E-04	-1.54E-04
1.90E+02	-5.73E-04	8.46E-04	-4.94E-05
1.90E+02	-5.54E-04	7.52E-04	5.04E-05
1.90E+02	-4.50E-04	6.70E-04	1.47E-04
1.90E+02	-2.66E-04	6.46E-04	3.08E-04
1.90E+02	1.20E-05	6.21E-04	3.99E-04
1.90E+02	3.22E-04	5.75E-04	3.93E-04
1.90E+02	6.30E-04	5.41E-04	3.61E-04
1.90E+02	9.84E-04	5.12E-04	2.49E-04
1.90E+02	1.31E-03	5.03E-04	1.01E-04
1.90E+02	1.57E-03	5.04E-04	-8.14E-05
1.90E+02	1.79E-03	5.23E-04	-2.70E-04
1.90E+02	1.96E-03	6.35E-04	-3.42E-04
1.90E+02	2.08E-03	8.17E-04	-3.92E-04
1.90E+02	2.13E-03	1.03E-03	-4.27E-04
1.90E+02	2.06E-03	1.26E-03	-3.82E-04
1.90E+02	1.94E-03	1.42E-03	-3.23E-04
1.90E+02	1.79E-03	1.54E-03	-2.44E-04
1.90E+02	1.55E-03	1.55E-03	-2.16E-04
1.90E+02	1.30E-03	1.47E-03	-2.43E-04
1.90E+02	1.08E-03	1.38E-03	-1.78E-04
1.90E+02	8.96E-04	1.24E-03	-1.04E-04
1.90E+02	7.81E-04	1.10E-03	-5.15E-05
1.90E+02	6.87E-04	9.84E-04	5.05E-05
1.90E+02	6.80E-04	8.93E-04	1.05E-04
1.90E+02	7.75E-04	8.43E-04	9.06E-05
1.90E+02	8.60E-04	7.42E-04	-3.20E-05

1.90E+02	9.73E-04	5.77E-04	-3.02E-04
1.90E+02	1.08E-03	4.04E-04	-5.48E-04
1.90E+02	1.15E-03	2.12E-04	-7.13E-04
1.90E+02	1.17E-03	3.91E-05	-8.12E-04
1.90E+02	1.07E-03	-7.97E-05	-8.13E-04
1.90E+02	9.50E-04	-1.28E-04	-8.24E-04
1.90E+02	8.65E-04	-8.54E-05	-8.29E-04
1.90E+02	7.79E-04	2.12E-05	-7.89E-04
1.90E+02	7.44E-04	1.60E-04	-7.44E-04
1.90E+02	7.77E-04	3.36E-04	-5.90E-04
1.90E+02	9.11E-04	5.04E-04	-3.77E-04
1.90E+02	1.09E-03	6.07E-04	-1.75E-04
1.90E+02	1.21E-03	6.59E-04	8.35E-05
1.90E+02	1.33E-03	6.76E-04	3.15E-04
1.90E+02	1.43E-03	7.04E-04	5.11E-04
1.90E+02	1.46E-03	7.56E-04	6.52E-04
1.90E+02	1.42E-03	7.99E-04	6.66E-04
1.90E+02	1.36E-03	8.65E-04	6.66E-04
1.90E+02	1.27E-03	9.66E-04	6.55E-04
1.90E+02	1.14E-03	1.08E-03	5.90E-04
1.90E+02	9.41E-04	1.20E-03	5.63E-04
1.90E+02	7.10E-04	1.32E-03	5.21E-04
1.90E+02	5.35E-04	1.42E-03	4.39E-04
1.90E+02	3.56E-04	1.52E-03	3.33E-04
1.90E+02	1.96E-04	1.59E-03	1.17E-04
1.90E+02	1.49E-04	1.67E-03	-6.41E-05
1.90E+02	1.59E-04	1.74E-03	-1.52E-04
1.90E+02	1.98E-04	1.77E-03	-2.72E-04
1.90E+02	2.26E-04	1.77E-03	-3.51E-04
1.90E+02	2.24E-04	1.72E-03	-4.13E-04
1.90E+02	2.43E-04	1.63E-03	-4.52E-04
1.90E+02	1.91E-04	1.48E-03	-4.01E-04
1.90E+02	7.29E-05	1.25E-03	-3.64E-04
1.90E+02	-4.88E-05	1.03E-03	-2.90E-04
1.90E+02	-1.86E-04	8.74E-04	-1.85E-04
1.90E+02	-3.08E-04	7.41E-04	-1.63E-04
1.90E+02	-4.49E-04	6.45E-04	-1.32E-04
1.90E+02	-5.65E-04	5.79E-04	-7.17E-05
1.90E+02	-5.91E-04	5.09E-04	-1.37E-05
1.90E+02	-6.10E-04	4.37E-04	4.31E-05
1.90E+02	-6.30E-04	3.27E-04	7.25E-06
1.90E+02	-6.02E-04	2.40E-04	-4.25E-05
1.90E+02	-5.31E-04	2.28E-04	-4.01E-05
1.90E+02	-4.15E-04	2.17E-04	-1.12E-04
1.90E+02	-3.02E-04	2.20E-04	-1.88E-04
1.90E+02	-2.12E-04	2.56E-04	-2.27E-04
1.90E+02	-7.67E-05	3.11E-04	-2.58E-04

1.90E+02	5.25E-05	3.89E-04	-2.44E-04
1.90E+02	1.25E-04	4.10E-04	-3.06E-04
1.90E+02	2.11E-04	3.97E-04	-3.73E-04
1.90E+02	3.14E-04	4.07E-04	-3.36E-04
1.90E+02	4.25E-04	3.90E-04	-3.27E-04
1.90E+02	5.24E-04	3.86E-04	-2.77E-04
1.90E+02	6.06E-04	4.24E-04	-1.91E-04
1.90E+02	7.50E-04	4.75E-04	-1.75E-04
1.90E+02	9.06E-04	5.45E-04	-1.65E-04
1.90E+02	1.03E-03	5.80E-04	-1.99E-04
1.90E+02	1.19E-03	5.78E-04	-2.34E-04
1.90E+02	1.36E-03	5.84E-04	-1.79E-04
1.90E+02	1.51E-03	5.26E-04	-1.70E-04
1.90E+02	1.62E-03	3.89E-04	-2.03E-04
1.90E+02	1.64E-03	2.23E-04	-2.24E-04
1.90E+02	1.68E-03	5.49E-05	-2.36E-04
1.90E+02	1.73E-03	-8.45E-05	-1.72E-04
1.90E+02	1.72E-03	-2.31E-04	-9.77E-05
1.90E+02	1.73E-03	-3.81E-04	-2.86E-05
1.90E+02	1.72E-03	-4.94E-04	4.88E-05
1.90E+02	1.70E-03	-6.16E-04	5.00E-05
1.90E+02	1.66E-03	-7.55E-04	8.58E-06
1.90E+02	1.51E-03	-9.20E-04	-2.84E-05
1.90E+02	1.37E-03	-1.12E-03	-4.35E-05
1.90E+02	1.22E-03	-1.31E-03	2.23E-05
1.90E+02	9.76E-04	-1.48E-03	9.80E-05
1.90E+02	7.32E-04	-1.63E-03	1.31E-04
1.90E+02	5.31E-04	-1.68E-03	2.14E-04
1.90E+02	3.63E-04	-1.70E-03	2.75E-04
1.90E+02	2.13E-04	-1.68E-03	2.81E-04
1.90E+02	4.98E-05	-1.62E-03	3.08E-04
1.90E+02	-5.78E-05	-1.56E-03	3.20E-04
1.90E+02	-1.19E-04	-1.45E-03	3.64E-04
1.90E+02	-2.17E-04	-1.37E-03	3.76E-04
1.91E+02	-3.11E-04	-1.33E-03	3.24E-04
1.91E+02	-3.77E-04	-1.25E-03	3.58E-04
1.91E+02	-4.22E-04	-1.16E-03	3.87E-04
1.91E+02	-4.49E-04	-1.04E-03	3.38E-04
1.91E+02	-4.80E-04	-8.90E-04	2.70E-04
1.91E+02	-4.61E-04	-7.01E-04	1.86E-04
1.91E+02	-3.74E-04	-4.53E-04	1.49E-04
1.91E+02	-3.14E-04	-1.82E-04	1.23E-04
1.91E+02	-2.82E-04	6.10E-05	4.33E-05
1.91E+02	-2.59E-04	3.06E-04	6.29E-06
1.91E+02	-2.49E-04	5.21E-04	4.58E-06
1.91E+02	-2.37E-04	6.78E-04	-4.62E-05
1.91E+02	-2.69E-04	7.92E-04	-1.01E-04

1.91E+02	-2.99E-04	8.76E-04	-1.66E-04
1.91E+02	-2.76E-04	9.77E-04	-2.33E-04
1.91E+02	-2.85E-04	1.04E-03	-2.77E-04
1.91E+02	-2.92E-04	1.03E-03	-3.32E-04
1.91E+02	-2.55E-04	1.02E-03	-3.09E-04
1.91E+02	-2.21E-04	9.62E-04	-2.38E-04
1.91E+02	-1.96E-04	8.58E-04	-2.31E-04
1.91E+02	-2.37E-04	7.39E-04	-2.08E-04
1.91E+02	-3.11E-04	6.23E-04	-2.02E-04
1.91E+02	-3.67E-04	5.47E-04	-2.35E-04
1.91E+02	-4.82E-04	4.99E-04	-2.67E-04
1.91E+02	-6.27E-04	4.25E-04	-3.66E-04
1.91E+02	-7.62E-04	3.60E-04	-3.93E-04
1.91E+02	-8.92E-04	3.09E-04	-3.13E-04
1.91E+02	-9.98E-04	2.20E-04	-2.80E-04
1.91E+02	-1.14E-03	1.17E-04	-2.43E-04
1.91E+02	-1.29E-03	4.22E-05	-2.02E-04
1.91E+02	-1.39E-03	3.47E-05	-1.59E-04
1.91E+02	-1.51E-03	8.37E-05	-1.15E-04
1.91E+02	-1.63E-03	1.52E-04	-1.66E-04
1.91E+02	-1.72E-03	2.50E-04	-2.42E-04
1.91E+02	-1.79E-03	3.60E-04	-2.73E-04
1.91E+02	-1.82E-03	4.59E-04	-2.99E-04
1.91E+02	-1.86E-03	5.38E-04	-2.95E-04
1.91E+02	-1.90E-03	6.01E-04	-2.49E-04
1.91E+02	-1.86E-03	6.76E-04	-1.58E-04
1.91E+02	-1.84E-03	7.33E-04	-1.72E-05
1.91E+02	-1.86E-03	7.29E-04	4.12E-05
1.91E+02	-1.86E-03	7.09E-04	3.97E-05
1.91E+02	-1.85E-03	7.00E-04	5.46E-05
1.91E+02	-1.83E-03	6.59E-04	-5.21E-05
1.91E+02	-1.84E-03	5.91E-04	-1.96E-04
1.91E+02	-1.89E-03	5.23E-04	-2.72E-04
1.91E+02	-1.88E-03	4.63E-04	-2.95E-04
1.91E+02	-1.83E-03	3.98E-04	-2.38E-04
1.91E+02	-1.81E-03	2.80E-04	-2.22E-04
1.91E+02	-1.76E-03	1.41E-04	-2.03E-04
1.91E+02	-1.67E-03	5.21E-05	-8.96E-05
1.91E+02	-1.55E-03	-2.42E-05	3.81E-06
1.91E+02	-1.42E-03	-8.09E-05	8.39E-05
1.91E+02	-1.29E-03	-1.04E-04	1.29E-04
1.91E+02	-1.09E-03	-1.18E-04	8.07E-05
1.91E+02	-8.24E-04	-8.72E-05	4.86E-05
1.91E+02	-5.97E-04	-5.49E-05	-1.85E-05
1.91E+02	-3.77E-04	-2.61E-05	-1.19E-04
1.91E+02	-1.63E-04	5.47E-05	-9.92E-05
1.91E+02	1.41E-05	1.19E-04	-6.54E-05

1.91E+02	1.16E-04	1.48E-04	-4.14E-05
1.91E+02	9.88E-05	1.64E-04	2.48E-06
1.91E+02	5.15E-05	1.62E-04	-4.20E-05
1.91E+02	-2.98E-05	1.68E-04	-1.02E-04
1.91E+02	-1.96E-04	1.65E-04	-1.70E-04
1.91E+02	-3.40E-04	1.54E-04	-2.25E-04
1.91E+02	-4.33E-04	1.97E-04	-1.15E-04
1.91E+02	-4.84E-04	2.61E-04	7.04E-05
1.91E+02	-4.96E-04	2.93E-04	2.65E-04
1.91E+02	-5.33E-04	2.94E-04	4.76E-04
1.91E+02	-5.26E-04	2.39E-04	6.11E-04
1.91E+02	-4.78E-04	1.43E-04	6.98E-04
1.91E+02	-5.01E-04	-1.72E-06	7.03E-04
1.91E+02	-5.44E-04	-2.04E-04	6.17E-04
1.91E+02	-6.08E-04	-3.77E-04	6.02E-04
1.91E+02	-7.02E-04	-5.33E-04	6.12E-04
1.91E+02	-8.03E-04	-6.73E-04	6.05E-04
1.91E+02	-9.75E-04	-7.53E-04	6.57E-04
1.91E+02	-1.13E-03	-8.03E-04	6.77E-04
1.91E+02	-1.22E-03	-8.11E-04	6.47E-04
1.91E+02	-1.30E-03	-7.98E-04	5.47E-04
1.91E+02	-1.30E-03	-8.05E-04	3.09E-04
1.91E+02	-1.18E-03	-7.85E-04	8.30E-05
1.91E+02	-9.96E-04	-7.54E-04	-1.31E-04
1.91E+02	-7.41E-04	-7.37E-04	-3.74E-04
1.91E+02	-4.98E-04	-6.99E-04	-5.38E-04
1.91E+02	-2.45E-04	-6.38E-04	-6.64E-04
1.91E+02	3.49E-05	-5.70E-04	-7.03E-04
1.91E+02	2.19E-04	-5.27E-04	-6.47E-04
1.91E+02	3.08E-04	-5.50E-04	-6.09E-04
1.91E+02	3.29E-04	-5.85E-04	-5.05E-04
1.91E+02	2.91E-04	-6.14E-04	-4.00E-04
1.91E+02	2.32E-04	-6.63E-04	-3.56E-04
1.91E+02	1.19E-04	-6.86E-04	-2.43E-04
1.91E+02	5.91E-06	-6.80E-04	-1.30E-04
1.91E+02	-3.07E-05	-6.16E-04	-1.09E-05
1.91E+02	-6.54E-05	-5.10E-04	8.49E-05
1.91E+02	-1.00E-04	-4.45E-04	1.75E-05
1.91E+02	-9.92E-05	-3.85E-04	-6.54E-05
1.91E+02	-9.37E-05	-3.48E-04	-1.16E-04
1.91E+02	-8.77E-05	-3.66E-04	-1.63E-04
1.91E+02	-1.49E-04	-4.18E-04	-1.38E-04
1.91E+02	-2.39E-04	-5.12E-04	-1.34E-04
1.91E+02	-2.69E-04	-6.07E-04	-1.40E-04
1.91E+02	-3.23E-04	-6.91E-04	-1.11E-04
1.91E+02	-4.05E-04	-7.76E-04	-1.27E-04
1.91E+02	-4.69E-04	-8.23E-04	-1.21E-04

1.91E+02	-5.22E-04	-7.96E-04	-7.63E-05
1.91E+02	-5.69E-04	-7.19E-04	-9.75E-05
1.91E+02	-6.48E-04	-6.14E-04	-9.06E-05
1.91E+02	-7.40E-04	-4.78E-04	7.06E-06
1.91E+02	-7.68E-04	-3.34E-04	1.93E-04
1.91E+02	-7.90E-04	-2.22E-04	4.70E-04
1.91E+02	-8.55E-04	-1.85E-04	6.95E-04
1.91E+02	-8.88E-04	-2.00E-04	9.00E-04
1.91E+02	-8.89E-04	-2.12E-04	1.12E-03
1.91E+02	-8.97E-04	-2.40E-04	1.20E-03
1.91E+02	-9.66E-04	-2.83E-04	1.19E-03
1.91E+02	-1.09E-03	-2.96E-04	1.18E-03
1.91E+02	-1.21E-03	-2.89E-04	1.09E-03
1.91E+02	-1.40E-03	-2.71E-04	9.45E-04
1.91E+02	-1.64E-03	-2.53E-04	7.35E-04
1.91E+02	-1.85E-03	-2.38E-04	5.08E-04
1.91E+02	-2.04E-03	-2.12E-04	3.23E-04
1.91E+02	-2.13E-03	-2.26E-04	7.04E-05
1.91E+02	-2.14E-03	-2.49E-04	-1.48E-04
1.91E+02	-2.10E-03	-2.39E-04	-2.37E-04
1.91E+02	-1.95E-03	-2.19E-04	-3.05E-04
1.91E+02	-1.75E-03	-1.79E-04	-3.11E-04
1.91E+02	-1.56E-03	-1.66E-04	-3.03E-04
1.91E+02	-1.35E-03	-1.91E-04	-2.82E-04
1.91E+02	-1.15E-03	-2.14E-04	-1.65E-04
1.91E+02	-9.59E-04	-2.50E-04	-8.93E-05
1.91E+02	-8.31E-04	-2.63E-04	-2.73E-05
1.91E+02	-7.90E-04	-2.03E-04	7.34E-05
1.91E+02	-7.47E-04	-6.71E-05	1.25E-04
1.91E+02	-7.12E-04	1.45E-04	2.02E-04
1.91E+02	-7.22E-04	3.56E-04	2.53E-04
1.91E+02	-7.32E-04	4.98E-04	2.76E-04
1.91E+02	-7.23E-04	5.75E-04	3.89E-04
1.91E+02	-6.83E-04	5.43E-04	4.58E-04
1.91E+02	-6.29E-04	4.25E-04	5.03E-04
1.91E+02	-6.10E-04	2.64E-04	5.50E-04
1.91E+02	-5.52E-04	1.12E-04	5.17E-04
1.91E+02	-4.51E-04	5.07E-05	5.47E-04
1.91E+02	-3.92E-04	2.54E-05	5.47E-04
1.91E+02	-3.35E-04	3.60E-05	4.70E-04
1.91E+02	-2.79E-04	1.32E-04	4.66E-04
1.91E+02	-2.34E-04	2.55E-04	4.27E-04
1.91E+02	-2.13E-04	3.83E-04	3.57E-04
1.91E+02	-2.61E-04	5.09E-04	2.89E-04
1.91E+02	-2.95E-04	6.13E-04	1.44E-04
1.91E+02	-2.95E-04	7.16E-04	2.96E-05
1.91E+02	-3.37E-04	8.11E-04	-3.93E-05

1.91E+02	-3.59E-04	8.86E-04	-9.27E-05
1.91E+02	-3.40E-04	9.73E-04	-3.53E-05
1.91E+02	-2.90E-04	1.06E-03	3.03E-05
1.91E+02	-2.08E-04	1.10E-03	3.74E-05
1.91E+02	-1.64E-04	1.12E-03	7.00E-05
1.91E+02	-8.87E-05	1.11E-03	4.86E-05
1.91E+02	2.46E-05	1.11E-03	-2.65E-05
1.91E+02	6.29E-05	1.09E-03	-1.35E-04
1.91E+02	9.94E-05	1.06E-03	-2.96E-04
1.91E+02	1.42E-04	1.07E-03	-3.31E-04
1.91E+02	1.45E-04	1.10E-03	-2.45E-04
1.91E+02	1.41E-04	1.10E-03	-1.50E-04
1.91E+02	8.28E-05	1.08E-03	2.44E-05
1.91E+02	1.64E-05	1.02E-03	2.20E-04
1.91E+02	9.54E-07	9.30E-04	3.75E-04
1.91E+02	-4.69E-05	8.44E-04	4.49E-04
1.91E+02	-1.02E-04	7.50E-04	3.83E-04
1.91E+02	-1.06E-04	7.02E-04	3.11E-04
1.91E+02	-8.62E-05	6.91E-04	2.37E-04
1.91E+02	-5.97E-05	6.58E-04	7.06E-05
1.91E+02	-8.20E-05	6.21E-04	-7.29E-05
1.91E+02	-1.39E-04	5.78E-04	-1.92E-04
1.91E+02	-1.78E-04	5.20E-04	-3.23E-04
1.91E+02	-2.61E-04	4.28E-04	-4.67E-04
1.91E+02	-3.73E-04	2.76E-04	-6.78E-04
1.91E+02	-4.54E-04	1.13E-04	-8.00E-04
1.91E+02	-5.24E-04	-5.11E-05	-7.82E-04
1.91E+02	-5.74E-04	-2.59E-04	-7.62E-04
1.91E+02	-6.28E-04	-4.85E-04	-7.04E-04
1.91E+02	-6.38E-04	-7.18E-04	-6.40E-04
1.91E+02	-5.16E-04	-9.33E-04	-5.96E-04
1.91E+02	-3.39E-04	-1.10E-03	-5.29E-04
1.91E+02	-1.45E-04	-1.24E-03	-5.77E-04
1.91E+02	9.04E-05	-1.33E-03	-6.94E-04
1.91E+02	3.26E-04	-1.36E-03	-7.90E-04
1.91E+02	5.51E-04	-1.41E-03	-9.25E-04
1.91E+02	6.98E-04	-1.44E-03	-9.50E-04
1.91E+02	7.52E-04	-1.46E-03	-8.26E-04
1.91E+02	7.93E-04	-1.44E-03	-6.08E-04
1.91E+02	7.61E-04	-1.39E-03	-2.95E-04
1.91E+02	6.46E-04	-1.39E-03	-8.05E-05
1.91E+02	5.38E-04	-1.35E-03	5.02E-05
1.91E+02	4.55E-04	-1.27E-03	1.72E-04
1.91E+02	4.31E-04	-1.15E-03	1.92E-04
1.91E+02	4.55E-04	-9.74E-04	1.64E-04
1.91E+02	5.12E-04	-7.70E-04	1.07E-04
1.92E+02	6.82E-04	-5.09E-04	6.71E-05

1.92E+02	9.11E-04	-2.17E-04	1.19E-04
1.92E+02	1.13E-03	2.12E-05	1.24E-04
1.92E+02	1.39E-03	2.16E-04	8.66E-05
1.92E+02	1.65E-03	3.95E-04	6.62E-05
1.92E+02	1.88E-03	5.38E-04	-5.38E-05
1.92E+02	2.07E-03	6.60E-04	-2.02E-04
1.92E+02	2.18E-03	7.80E-04	-2.57E-04
1.92E+02	2.31E-03	8.96E-04	-1.99E-04
1.92E+02	2.40E-03	9.90E-04	-5.72E-05
1.92E+02	2.38E-03	9.89E-04	-4.44E-05
1.92E+02	2.33E-03	9.10E-04	-1.32E-04
1.92E+02	2.27E-03	8.10E-04	-1.71E-04
1.92E+02	2.21E-03	6.90E-04	-2.65E-04
1.92E+02	2.14E-03	5.60E-04	-3.95E-04
1.92E+02	2.05E-03	4.46E-04	-4.94E-04
1.92E+02	2.04E-03	3.52E-04	-5.54E-04
1.92E+02	2.05E-03	2.45E-04	-4.71E-04
1.92E+02	2.04E-03	9.42E-05	-2.91E-04
1.92E+02	2.03E-03	-1.08E-04	-1.02E-04
1.92E+02	2.02E-03	-2.94E-04	1.23E-04
1.92E+02	2.02E-03	-4.38E-04	2.49E-04
1.92E+02	1.99E-03	-5.28E-04	2.39E-04
1.92E+02	1.90E-03	-5.15E-04	2.04E-04
1.92E+02	1.81E-03	-4.21E-04	1.29E-04
1.92E+02	1.70E-03	-2.77E-04	7.88E-05
1.92E+02	1.51E-03	-1.61E-04	6.85E-05
1.92E+02	1.30E-03	-1.21E-04	7.19E-05
1.92E+02	1.11E-03	-1.02E-04	1.54E-04
1.92E+02	9.39E-04	-1.21E-04	1.96E-04
1.92E+02	7.63E-04	-1.78E-04	1.19E-04
1.92E+02	5.73E-04	-2.09E-04	-6.87E-06
1.92E+02	4.38E-04	-1.91E-04	-2.22E-04
1.92E+02	3.78E-04	-1.12E-04	-4.80E-04
1.92E+02	3.19E-04	-8.01E-06	-7.52E-04
1.92E+02	2.94E-04	6.79E-05	-1.07E-03
1.92E+02	3.04E-04	1.23E-04	-1.31E-03
1.92E+02	3.39E-04	1.37E-04	-1.45E-03
1.92E+02	4.11E-04	9.96E-05	-1.53E-03
1.92E+02	4.50E-04	4.75E-05	-1.44E-03
1.92E+02	5.03E-04	7.63E-07	-1.23E-03
1.92E+02	5.80E-04	-6.29E-06	-9.36E-04
1.92E+02	5.98E-04	3.43E-06	-6.48E-04
1.92E+02	6.04E-04	5.72E-07	-4.89E-04
1.92E+02	6.26E-04	4.18E-05	-3.27E-04
1.92E+02	6.71E-04	1.10E-04	-1.46E-04
1.92E+02	7.43E-04	1.77E-04	-3.05E-06
1.92E+02	7.71E-04	2.46E-04	1.67E-04

1.92E+02	7.85E-04	2.65E-04	3.10E-04
1.92E+02	8.02E-04	2.31E-04	4.28E-04
1.92E+02	7.18E-04	1.38E-04	5.26E-04
1.92E+02	5.47E-04	-3.15E-05	5.09E-04
1.92E+02	3.52E-04	-1.94E-04	4.69E-04
1.92E+02	1.63E-04	-3.14E-04	4.50E-04
1.92E+02	3.68E-05	-4.17E-04	3.76E-04
1.92E+02	-4.16E-05	-4.92E-04	3.20E-04
1.92E+02	-2.67E-05	-5.26E-04	2.67E-04
1.92E+02	1.29E-04	-5.00E-04	2.33E-04
1.92E+02	3.14E-04	-4.37E-04	2.38E-04
1.92E+02	4.95E-04	-3.74E-04	1.33E-04
1.92E+02	6.80E-04	-2.88E-04	3.81E-06
1.92E+02	8.36E-04	-1.61E-04	-9.27E-05
1.92E+02	9.72E-04	-2.38E-05	-2.67E-04
1.92E+02	1.01E-03	1.14E-04	-4.14E-04
1.92E+02	9.39E-04	2.86E-04	-5.27E-04
1.92E+02	8.65E-04	4.90E-04	-5.93E-04
1.92E+02	7.31E-04	7.06E-04	-5.47E-04
1.92E+02	5.46E-04	8.98E-04	-4.94E-04
1.92E+02	3.81E-04	1.04E-03	-3.68E-04
1.92E+02	2.59E-04	1.18E-03	-1.65E-04
1.92E+02	2.02E-04	1.27E-03	-6.64E-05
1.92E+02	1.40E-04	1.27E-03	-3.05E-06
1.92E+02	7.80E-05	1.25E-03	1.21E-04
1.92E+02	9.37E-05	1.20E-03	2.69E-04
1.92E+02	1.01E-04	1.10E-03	4.28E-04
1.92E+02	7.59E-05	9.57E-04	4.87E-04
1.92E+02	8.37E-05	7.48E-04	4.68E-04
1.92E+02	1.09E-04	5.34E-04	5.07E-04
1.92E+02	1.60E-04	3.34E-04	5.46E-04
1.92E+02	1.86E-04	1.64E-04	5.74E-04
1.92E+02	1.77E-04	5.02E-05	5.96E-04
1.92E+02	2.15E-04	-2.67E-06	5.74E-04
1.92E+02	2.43E-04	3.01E-05	5.37E-04
1.92E+02	2.26E-04	9.31E-05	3.74E-04
1.92E+02	2.33E-04	1.84E-04	1.08E-04
1.92E+02	2.61E-04	3.50E-04	-7.99E-05
1.92E+02	3.17E-04	5.06E-04	-2.12E-04
1.92E+02	3.73E-04	6.28E-04	-2.77E-04
1.92E+02	4.07E-04	7.47E-04	-2.38E-04
1.92E+02	4.85E-04	8.46E-04	-1.46E-04
1.92E+02	5.57E-04	9.35E-04	1.70E-05
1.92E+02	5.91E-04	9.83E-04	1.69E-04
1.92E+02	6.31E-04	9.74E-04	2.49E-04
1.92E+02	6.94E-04	1.01E-03	3.45E-04
1.92E+02	8.12E-04	1.13E-03	4.05E-04

1.92E+02	9.42E-04	1.28E-03	4.07E-04
1.92E+02	1.07E-03	1.46E-03	4.40E-04
1.92E+02	1.24E-03	1.67E-03	5.19E-04
1.92E+02	1.39E-03	1.83E-03	6.41E-04
1.92E+02	1.45E-03	1.90E-03	7.09E-04
1.92E+02	1.41E-03	1.90E-03	6.57E-04
1.92E+02	1.32E-03	1.87E-03	5.80E-04
1.92E+02	1.19E-03	1.84E-03	4.26E-04
1.92E+02	1.04E-03	1.78E-03	1.83E-04
1.92E+02	8.48E-04	1.70E-03	-4.58E-06
1.92E+02	6.89E-04	1.60E-03	-1.41E-04
1.92E+02	5.78E-04	1.46E-03	-2.07E-04
1.92E+02	4.55E-04	1.24E-03	-2.16E-04
1.92E+02	3.73E-04	9.54E-04	-2.55E-04
1.92E+02	3.68E-04	6.66E-04	-2.72E-04
1.92E+02	4.21E-04	3.84E-04	-3.06E-04
1.92E+02	4.91E-04	9.69E-05	-3.87E-04
1.92E+02	5.13E-04	-1.39E-04	-4.07E-04
1.92E+02	5.54E-04	-3.15E-04	-3.45E-04
1.92E+02	6.15E-04	-4.23E-04	-1.69E-04
1.92E+02	5.73E-04	-4.97E-04	5.63E-05
1.92E+02	4.60E-04	-5.69E-04	2.53E-04
1.92E+02	3.27E-04	-5.78E-04	5.32E-04
1.92E+02	1.68E-04	-5.26E-04	7.77E-04
1.92E+02	1.14E-06	-4.60E-04	8.67E-04
1.92E+02	-2.24E-04	-3.65E-04	8.82E-04
1.92E+02	-4.50E-04	-2.19E-04	8.30E-04
1.92E+02	-6.21E-04	-3.20E-05	7.91E-04
1.92E+02	-8.34E-04	1.34E-04	7.68E-04
1.92E+02	-1.03E-03	2.20E-04	6.99E-04
1.92E+02	-1.17E-03	2.32E-04	6.56E-04
1.92E+02	-1.30E-03	1.71E-04	6.12E-04
1.92E+02	-1.39E-03	1.75E-05	5.11E-04
1.92E+02	-1.46E-03	-2.19E-04	3.81E-04
1.92E+02	-1.53E-03	-5.10E-04	2.06E-04
1.92E+02	-1.52E-03	-8.30E-04	2.02E-05
1.92E+02	-1.50E-03	-1.18E-03	-1.23E-04
1.92E+02	-1.45E-03	-1.53E-03	-2.45E-04
1.92E+02	-1.34E-03	-1.81E-03	-2.88E-04
1.92E+02	-1.16E-03	-2.02E-03	-2.20E-04
1.92E+02	-9.43E-04	-2.19E-03	-1.34E-04
1.92E+02	-7.43E-04	-2.31E-03	2.42E-05
1.92E+02	-5.41E-04	-2.36E-03	2.70E-04
1.92E+02	-2.99E-04	-2.29E-03	5.07E-04
1.92E+02	-8.47E-05	-2.16E-03	7.20E-04
1.92E+02	7.93E-05	-2.02E-03	8.54E-04
1.92E+02	2.40E-04	-1.84E-03	9.80E-04

1.92E+02	3.90E-04	-1.62E-03	1.14E-03
1.92E+02	5.11E-04	-1.40E-03	1.18E-03
1.92E+02	5.72E-04	-1.17E-03	1.12E-03
1.92E+02	5.75E-04	-9.47E-04	9.89E-04
1.92E+02	5.79E-04	-7.48E-04	7.59E-04
1.92E+02	5.44E-04	-5.73E-04	5.35E-04
1.92E+02	4.57E-04	-4.68E-04	2.86E-04
1.92E+02	3.77E-04	-3.93E-04	8.81E-05
1.92E+02	2.92E-04	-3.31E-04	1.37E-05
1.92E+02	2.14E-04	-3.37E-04	-3.43E-05
1.92E+02	1.41E-04	-3.63E-04	-3.66E-05
1.92E+02	8.01E-05	-3.80E-04	-2.73E-05
1.92E+02	9.59E-05	-3.81E-04	-3.11E-05
1.92E+02	1.35E-04	-3.42E-04	-1.01E-05
1.92E+02	1.33E-04	-3.35E-04	-7.44E-05
1.92E+02	1.30E-04	-3.53E-04	-1.74E-04
1.92E+02	1.29E-04	-3.40E-04	-2.15E-04
1.92E+02	1.08E-04	-3.48E-04	-2.85E-04
1.92E+02	5.38E-05	-3.40E-04	-3.07E-04
1.92E+02	-6.10E-06	-2.88E-04	-2.25E-04
1.92E+02	2.29E-06	-1.93E-04	-9.52E-05
1.92E+02	5.42E-05	-1.87E-05	9.33E-05
1.92E+02	1.06E-04	1.60E-04	2.18E-04
1.92E+02	1.97E-04	3.19E-04	2.75E-04
1.92E+02	3.30E-04	4.71E-04	3.65E-04
1.92E+02	4.83E-04	5.48E-04	3.91E-04
1.92E+02	6.24E-04	5.23E-04	3.78E-04
1.92E+02	7.15E-04	4.13E-04	4.16E-04
1.92E+02	7.85E-04	2.65E-04	4.74E-04
1.92E+02	8.06E-04	1.05E-04	5.62E-04
1.92E+02	7.18E-04	-6.75E-05	6.05E-04
1.92E+02	5.86E-04	-2.24E-04	6.03E-04
1.92E+02	4.39E-04	-3.38E-04	6.69E-04
1.92E+02	2.80E-04	-4.28E-04	7.28E-04
1.92E+02	1.30E-04	-5.02E-04	7.59E-04
1.92E+02	-4.65E-05	-5.55E-04	7.58E-04
1.92E+02	-1.79E-04	-5.80E-04	6.39E-04
1.92E+02	-2.34E-04	-5.49E-04	4.85E-04
1.92E+02	-2.84E-04	-4.93E-04	3.35E-04
1.92E+02	-3.00E-04	-4.17E-04	1.85E-04
1.92E+02	-2.70E-04	-2.78E-04	1.18E-04
1.92E+02	-2.31E-04	-1.23E-04	4.46E-05
1.92E+02	-2.19E-04	2.14E-05	-9.42E-05
1.92E+02	-2.71E-04	1.56E-04	-2.06E-04
1.92E+02	-3.30E-04	2.55E-04	-2.90E-04
1.92E+02	-3.81E-04	3.33E-04	-3.39E-04
1.92E+02	-4.99E-04	3.38E-04	-4.09E-04

1.92E+02	-6.57E-04	2.33E-04	-5.41E-04
1.92E+02	-8.09E-04	8.30E-05	-5.81E-04
1.92E+02	-9.42E-04	-1.25E-04	-5.42E-04
1.92E+02	-1.07E-03	-3.89E-04	-5.16E-04
1.92E+02	-1.22E-03	-6.40E-04	-4.34E-04
1.92E+02	-1.32E-03	-8.44E-04	-3.19E-04
1.92E+02	-1.33E-03	-9.84E-04	-1.97E-04
1.92E+02	-1.37E-03	-1.08E-03	-7.57E-05
1.92E+02	-1.42E-03	-1.19E-03	-2.37E-05
1.92E+02	-1.46E-03	-1.30E-03	6.20E-05
1.92E+02	-1.48E-03	-1.42E-03	1.99E-04
1.93E+02	-1.49E-03	-1.58E-03	2.82E-04
1.93E+02	-1.51E-03	-1.75E-03	3.73E-04
1.93E+02	-1.52E-03	-1.86E-03	4.60E-04
1.93E+02	-1.49E-03	-1.90E-03	5.32E-04
1.93E+02	-1.50E-03	-1.90E-03	5.39E-04
1.93E+02	-1.55E-03	-1.88E-03	3.89E-04
1.93E+02	-1.61E-03	-1.76E-03	2.16E-04
1.93E+02	-1.69E-03	-1.56E-03	3.28E-05
1.93E+02	-1.78E-03	-1.34E-03	-2.37E-04
1.93E+02	-1.92E-03	-1.10E-03	-4.83E-04
1.93E+02	-2.08E-03	-8.47E-04	-6.84E-04
1.93E+02	-2.14E-03	-5.89E-04	-8.42E-04
1.93E+02	-2.19E-03	-3.60E-04	-9.15E-04
1.93E+02	-2.21E-03	-2.36E-04	-9.78E-04
1.93E+02	-2.15E-03	-1.81E-04	-1.01E-03
1.93E+02	-2.05E-03	-1.64E-04	-9.99E-04
1.93E+02	-1.87E-03	-2.01E-04	-1.06E-03
1.93E+02	-1.67E-03	-2.50E-04	-1.11E-03
1.93E+02	-1.43E-03	-2.72E-04	-1.12E-03
1.93E+02	-1.12E-03	-2.55E-04	-1.10E-03
1.93E+02	-8.06E-04	-2.16E-04	-9.81E-04
1.93E+02	-5.38E-04	-1.98E-04	-8.38E-04
1.93E+02	-2.84E-04	-2.03E-04	-6.07E-04
1.93E+02	-8.05E-05	-2.17E-04	-2.66E-04
1.93E+02	7.38E-05	-2.71E-04	6.24E-05
1.93E+02	1.34E-04	-3.70E-04	3.94E-04
1.93E+02	9.35E-05	-4.87E-04	6.61E-04
1.93E+02	5.38E-05	-6.07E-04	7.86E-04
1.93E+02	-4.46E-05	-7.10E-04	7.67E-04
1.93E+02	-2.15E-04	-7.83E-04	5.88E-04
1.93E+02	-3.57E-04	-7.86E-04	4.08E-04
1.93E+02	-4.75E-04	-7.01E-04	3.39E-04
1.93E+02	-5.33E-04	-5.79E-04	2.82E-04
1.93E+02	-5.26E-04	-4.44E-04	2.38E-04
1.93E+02	-4.78E-04	-3.12E-04	2.67E-04
1.93E+02	-3.12E-04	-2.07E-04	3.33E-04

1.93E+02	-6.37E-05	-1.13E-04	4.08E-04
1.93E+02	1.85E-04	-7.36E-05	3.50E-04
1.93E+02	4.79E-04	-7.08E-05	1.53E-04
1.93E+02	8.26E-04	-2.38E-05	-5.91E-05
1.93E+02	1.19E-03	2.37E-05	-3.71E-04
1.93E+02	1.52E-03	6.77E-05	-7.18E-04
1.93E+02	1.78E-03	1.30E-04	-1.01E-03
1.93E+02	2.03E-03	1.83E-04	-1.28E-03
1.93E+02	2.21E-03	2.24E-04	-1.42E-03
1.93E+02	2.24E-03	2.17E-04	-1.51E-03
1.93E+02	2.14E-03	1.49E-04	-1.58E-03
1.93E+02	1.93E-03	7.06E-05	-1.50E-03
1.93E+02	1.62E-03	-3.91E-05	-1.40E-03
1.93E+02	1.23E-03	-1.79E-04	-1.25E-03
1.93E+02	7.61E-04	-2.99E-04	-9.78E-04
1.93E+02	3.35E-04	-4.02E-04	-6.57E-04
1.93E+02	-4.33E-05	-4.89E-04	-2.88E-04
1.93E+02	-3.78E-04	-6.09E-04	3.78E-05
1.93E+02	-6.11E-04	-7.76E-04	2.27E-04
1.93E+02	-7.45E-04	-8.83E-04	3.86E-04
1.93E+02	-7.66E-04	-9.38E-04	4.60E-04
1.93E+02	-7.05E-04	-9.47E-04	3.65E-04
1.93E+02	-6.39E-04	-8.68E-04	1.49E-04
1.93E+02	-5.28E-04	-7.29E-04	-1.89E-04
1.93E+02	-3.74E-04	-5.39E-04	-5.71E-04
1.93E+02	-2.63E-04	-3.69E-04	-9.59E-04
1.93E+02	-1.95E-04	-2.43E-04	-1.33E-03
1.93E+02	-1.64E-04	-9.52E-05	-1.53E-03
1.93E+02	-1.74E-04	2.59E-05	-1.62E-03
1.93E+02	-2.22E-04	9.04E-05	-1.71E-03
1.93E+02	-3.45E-04	1.45E-04	-1.73E-03
1.93E+02	-4.61E-04	1.94E-04	-1.73E-03
1.93E+02	-5.21E-04	2.53E-04	-1.71E-03
1.93E+02	-6.04E-04	3.00E-04	-1.60E-03
1.93E+02	-6.83E-04	3.19E-04	-1.41E-03
1.93E+02	-7.22E-04	3.51E-04	-1.10E-03
1.93E+02	-7.45E-04	3.89E-04	-7.57E-04
1.93E+02	-7.61E-04	4.16E-04	-4.56E-04
1.93E+02	-8.30E-04	4.30E-04	-1.80E-04
1.93E+02	-9.05E-04	4.47E-04	2.06E-05
1.93E+02	-9.32E-04	4.93E-04	1.74E-04
1.93E+02	-9.80E-04	5.35E-04	2.74E-04
1.93E+02	-1.04E-03	5.31E-04	2.37E-04
1.93E+02	-1.07E-03	5.00E-04	2.15E-04
1.93E+02	-1.06E-03	4.36E-04	2.59E-04
1.93E+02	-1.01E-03	2.77E-04	2.40E-04
1.93E+02	-9.83E-04	4.27E-05	1.79E-04

1.93E+02	-9.81E-04	-2.05E-04	1.91E-06
1.93E+02	-9.45E-04	-4.29E-04	-3.22E-04
1.93E+02	-9.24E-04	-5.93E-04	-7.00E-04
1.93E+02	-9.33E-04	-6.92E-04	-1.13E-03
1.93E+02	-9.18E-04	-6.83E-04	-1.46E-03
1.93E+02	-9.02E-04	-5.67E-04	-1.61E-03
1.93E+02	-8.91E-04	-3.89E-04	-1.62E-03
1.93E+02	-9.51E-04	-1.77E-04	-1.56E-03
1.93E+02	-1.02E-03	4.65E-05	-1.45E-03
1.93E+02	-9.74E-04	3.18E-04	-1.30E-03
1.93E+02	-8.90E-04	5.97E-04	-1.17E-03
1.93E+02	-7.89E-04	8.03E-04	-1.09E-03
1.93E+02	-6.10E-04	1.03E-03	-9.49E-04
1.93E+02	-3.57E-04	1.31E-03	-7.18E-04
1.93E+02	-6.07E-05	1.51E-03	-5.04E-04
1.93E+02	2.07E-04	1.67E-03	-2.82E-04
1.93E+02	4.42E-04	1.71E-03	-7.80E-05
1.93E+02	6.84E-04	1.64E-03	7.86E-05
1.93E+02	8.65E-04	1.50E-03	1.96E-04
1.93E+02	9.68E-04	1.25E-03	1.76E-04
1.93E+02	1.06E-03	9.61E-04	1.30E-04
1.93E+02	1.09E-03	7.08E-04	1.63E-04
1.93E+02	1.07E-03	4.30E-04	1.34E-04
1.93E+02	9.60E-04	1.44E-04	8.03E-05
1.93E+02	7.70E-04	-1.30E-04	9.92E-06
1.93E+02	5.96E-04	-3.77E-04	-1.70E-04
1.93E+02	4.14E-04	-5.53E-04	-3.81E-04
1.93E+02	2.16E-04	-6.62E-04	-6.22E-04
1.93E+02	7.59E-05	-6.85E-04	-8.52E-04
1.93E+02	-1.49E-05	-5.87E-04	-9.58E-04
1.93E+02	-5.55E-05	-4.70E-04	-1.07E-03
1.93E+02	-6.03E-05	-3.54E-04	-1.13E-03
1.93E+02	-6.71E-05	-2.14E-04	-1.03E-03
1.93E+02	-1.49E-05	-1.03E-04	-8.35E-04
1.93E+02	1.09E-04	5.02E-05	-5.61E-04
1.93E+02	2.24E-04	1.95E-04	-4.18E-04
1.93E+02	3.49E-04	2.90E-04	-4.08E-04
1.93E+02	4.85E-04	4.51E-04	-2.98E-04
1.93E+02	5.95E-04	6.10E-04	-1.90E-04
1.93E+02	6.61E-04	7.32E-04	-8.83E-05
1.93E+02	6.17E-04	8.50E-04	5.78E-05
1.93E+02	5.31E-04	8.99E-04	1.60E-04
1.93E+02	4.33E-04	8.79E-04	2.07E-04
1.93E+02	2.69E-04	7.76E-04	1.14E-04
1.93E+02	1.04E-04	6.34E-04	-4.41E-05
1.93E+02	-4.56E-05	5.37E-04	-9.99E-05
1.93E+02	-1.71E-04	4.28E-04	-1.24E-04

1.93E+02	-2.67E-04	3.12E-04	-1.11E-04
1.93E+02	-3.89E-04	1.99E-04	-3.66E-05
1.93E+02	-4.50E-04	6.81E-05	2.56E-05
1.93E+02	-4.30E-04	-2.98E-05	1.31E-04
1.93E+02	-4.34E-04	-1.48E-04	2.13E-04
1.93E+02	-4.03E-04	-2.67E-04	2.00E-04
1.93E+02	-2.88E-04	-2.90E-04	1.75E-04
1.93E+02	-1.12E-04	-2.22E-04	9.98E-05
1.93E+02	1.01E-04	-7.95E-05	-2.02E-05
1.93E+02	2.68E-04	8.64E-05	-1.16E-04
1.93E+02	4.27E-04	2.31E-04	-2.36E-04
1.93E+02	5.89E-04	3.55E-04	-3.51E-04
1.93E+02	6.49E-04	4.34E-04	-4.37E-04
1.93E+02	6.32E-04	4.63E-04	-5.18E-04
1.93E+02	5.67E-04	4.73E-04	-5.18E-04
1.93E+02	4.41E-04	4.52E-04	-4.71E-04
1.93E+02	2.48E-04	3.82E-04	-4.27E-04
1.93E+02	-4.25E-05	2.84E-04	-2.95E-04
1.93E+02	-3.58E-04	1.86E-04	-8.24E-05
1.93E+02	-6.37E-04	1.44E-04	1.96E-04
1.93E+02	-9.18E-04	1.27E-04	4.63E-04
1.93E+02	-1.15E-03	7.72E-05	5.98E-04
1.93E+02	-1.29E-03	5.97E-05	7.04E-04
1.93E+02	-1.31E-03	9.12E-05	8.29E-04
1.93E+02	-1.25E-03	1.18E-04	8.70E-04
1.93E+02	-1.19E-03	1.63E-04	8.89E-04
1.93E+02	-1.05E-03	2.70E-04	9.30E-04
1.93E+02	-8.15E-04	4.24E-04	9.67E-04
1.93E+02	-5.71E-04	5.71E-04	1.01E-03
1.93E+02	-3.34E-04	6.59E-04	9.94E-04
1.93E+02	-1.05E-04	7.09E-04	1.01E-03
1.93E+02	1.12E-04	7.21E-04	1.05E-03
1.93E+02	3.03E-04	6.55E-04	9.76E-04
1.93E+02	4.23E-04	5.63E-04	9.10E-04
1.93E+02	5.26E-04	4.65E-04	8.57E-04
1.93E+02	6.56E-04	3.68E-04	7.81E-04
1.93E+02	7.47E-04	2.82E-04	7.00E-04
1.93E+02	8.12E-04	1.64E-04	5.70E-04
1.93E+02	8.88E-04	9.27E-05	5.31E-04
1.93E+02	9.68E-04	9.52E-05	5.89E-04
1.93E+02	1.03E-03	1.01E-04	5.74E-04
1.93E+02	1.02E-03	1.33E-04	5.46E-04
1.93E+02	9.36E-04	1.89E-04	5.25E-04
1.93E+02	8.58E-04	2.76E-04	4.79E-04
1.93E+02	7.50E-04	4.09E-04	4.64E-04
1.93E+02	5.96E-04	5.11E-04	4.38E-04
1.93E+02	4.60E-04	6.04E-04	4.37E-04

1.93E+02	3.81E-04	6.90E-04	5.14E-04
1.93E+02	3.72E-04	6.96E-04	5.89E-04
1.93E+02	3.86E-04	6.57E-04	6.97E-04
1.93E+02	4.19E-04	5.69E-04	8.07E-04
1.93E+02	5.29E-04	4.37E-04	8.33E-04
1.93E+02	6.68E-04	3.17E-04	8.06E-04
1.93E+02	7.84E-04	1.84E-04	6.68E-04
1.93E+02	9.12E-04	7.21E-05	4.92E-04
1.93E+02	1.04E-03	1.22E-05	4.06E-04
1.93E+02	1.14E-03	-5.78E-05	3.58E-04
1.93E+02	1.15E-03	-1.48E-04	3.57E-04
1.93E+02	1.06E-03	-2.48E-04	3.85E-04
1.93E+02	9.79E-04	-3.31E-04	4.50E-04
1.93E+02	8.96E-04	-3.58E-04	5.93E-04
1.93E+02	7.37E-04	-4.07E-04	6.56E-04
1.93E+02	5.90E-04	-4.81E-04	6.20E-04
1.93E+02	4.93E-04	-4.97E-04	5.96E-04
1.93E+02	4.72E-04	-4.96E-04	5.42E-04
1.93E+02	5.27E-04	-4.67E-04	5.25E-04
1.93E+02	6.10E-04	-3.87E-04	5.71E-04
1.93E+02	7.76E-04	-2.74E-04	5.66E-04
1.93E+02	9.83E-04	-1.13E-04	5.58E-04
1.93E+02	1.13E-03	2.92E-05	5.13E-04
1.94E+02	1.26E-03	1.33E-04	4.30E-04
1.94E+02	1.35E-03	2.26E-04	4.56E-04
1.94E+02	1.39E-03	3.08E-04	5.06E-04
1.94E+02	1.36E-03	3.80E-04	5.29E-04
1.94E+02	1.23E-03	4.32E-04	5.55E-04
1.94E+02	1.12E-03	4.83E-04	5.55E-04
1.94E+02	1.01E-03	5.16E-04	5.71E-04
1.94E+02	8.43E-04	5.00E-04	5.80E-04
1.94E+02	6.86E-04	4.48E-04	5.58E-04
1.94E+02	5.25E-04	3.87E-04	5.76E-04
1.94E+02	3.78E-04	2.95E-04	5.52E-04
1.94E+02	2.45E-04	1.65E-04	4.37E-04
1.94E+02	5.32E-05	2.46E-05	3.22E-04
1.94E+02	-1.23E-04	-1.22E-04	2.10E-04
1.94E+02	-2.57E-04	-2.20E-04	1.71E-04
1.94E+02	-4.14E-04	-2.70E-04	1.72E-04
1.94E+02	-5.45E-04	-2.91E-04	1.13E-04
1.94E+02	-6.33E-04	-2.28E-04	1.29E-04
1.94E+02	-6.85E-04	-1.30E-04	1.79E-04
1.94E+02	-7.16E-04	-3.30E-05	1.69E-04
1.94E+02	-7.81E-04	8.54E-05	1.94E-04
1.94E+02	-8.04E-04	2.07E-04	2.14E-04
1.94E+02	-7.66E-04	3.55E-04	2.25E-04
1.94E+02	-7.34E-04	4.93E-04	2.81E-04

1.94E+02	-6.88E-04	5.62E-04	3.48E-04
1.94E+02	-6.08E-04	5.93E-04	4.98E-04
1.94E+02	-4.85E-04	5.42E-04	6.72E-04
1.94E+02	-3.38E-04	4.09E-04	7.68E-04
1.94E+02	-2.40E-04	2.49E-04	8.33E-04
1.94E+02	-1.47E-04	8.60E-05	8.17E-04
1.94E+02	-1.91E-07	-2.86E-06	7.67E-04
1.94E+02	9.98E-05	-2.78E-05	7.41E-04
1.94E+02	1.44E-04	-5.05E-05	6.85E-04
1.94E+02	1.68E-04	-6.20E-05	7.18E-04
1.94E+02	1.40E-04	-9.23E-05	7.98E-04
1.94E+02	7.76E-05	-1.65E-04	8.05E-04
1.94E+02	-5.49E-05	-2.56E-04	7.96E-04
1.94E+02	-2.05E-04	-3.56E-04	7.39E-04
1.94E+02	-2.76E-04	-4.35E-04	6.72E-04
1.94E+02	-3.38E-04	-4.77E-04	6.53E-04
1.94E+02	-3.60E-04	-5.07E-04	6.28E-04
1.94E+02	-2.89E-04	-4.87E-04	6.81E-04
1.94E+02	-1.68E-04	-4.21E-04	8.10E-04
1.94E+02	5.34E-06	-3.53E-04	8.89E-04
1.94E+02	1.43E-04	-2.95E-04	9.52E-04
1.94E+02	2.23E-04	-2.64E-04	9.65E-04
1.94E+02	3.21E-04	-2.40E-04	8.96E-04
1.94E+02	3.54E-04	-2.26E-04	7.92E-04
1.94E+02	2.92E-04	-2.76E-04	5.79E-04
1.94E+02	2.14E-04	-3.59E-04	3.61E-04
1.94E+02	1.47E-04	-4.18E-04	2.66E-04
1.94E+02	1.10E-04	-4.65E-04	1.97E-04
1.94E+02	8.24E-05	-4.82E-04	2.14E-04
1.94E+02	9.84E-05	-4.59E-04	3.13E-04
1.94E+02	2.09E-04	-4.35E-04	3.91E-04
1.94E+02	3.32E-04	-4.04E-04	4.87E-04
1.94E+02	4.25E-04	-4.01E-04	5.02E-04
1.94E+02	5.18E-04	-4.12E-04	4.83E-04
1.94E+02	5.75E-04	-3.76E-04	5.59E-04
1.94E+02	6.02E-04	-3.44E-04	5.94E-04
1.94E+02	5.68E-04	-3.23E-04	6.08E-04
1.94E+02	4.55E-04	-2.83E-04	6.63E-04
1.94E+02	3.69E-04	-2.24E-04	7.22E-04
1.94E+02	2.91E-04	-1.44E-04	8.04E-04
1.94E+02	1.83E-04	-9.67E-05	7.87E-04
1.94E+02	1.13E-04	-5.72E-05	7.06E-04
1.94E+02	6.58E-05	2.56E-05	6.48E-04
1.94E+02	9.54E-06	1.13E-04	5.05E-04
1.94E+02	-9.17E-05	2.08E-04	3.60E-04
1.94E+02	-2.48E-04	2.99E-04	2.68E-04
1.94E+02	-3.88E-04	3.51E-04	2.03E-04

1.94E+02	-5.55E-04	3.55E-04	2.21E-04
1.94E+02	-7.96E-04	2.91E-04	2.19E-04
1.94E+02	-1.03E-03	2.02E-04	1.72E-04
1.94E+02	-1.25E-03	1.51E-04	1.96E-04
1.94E+02	-1.39E-03	1.34E-04	2.17E-04
1.94E+02	-1.46E-03	1.61E-04	1.89E-04
1.94E+02	-1.51E-03	2.30E-04	1.46E-04
1.94E+02	-1.42E-03	3.44E-04	8.14E-05
1.94E+02	-1.24E-03	4.84E-04	6.14E-05
1.94E+02	-1.07E-03	5.58E-04	2.69E-05
1.94E+02	-8.49E-04	5.62E-04	-3.28E-05
1.94E+02	-6.07E-04	5.49E-04	8.20E-06
1.94E+02	-3.92E-04	5.06E-04	4.29E-05
1.94E+02	-2.45E-04	4.30E-04	1.68E-05
1.94E+02	-2.47E-04	3.41E-04	-1.66E-05
1.94E+02	-3.33E-04	2.46E-04	-8.53E-05
1.94E+02	-4.76E-04	1.65E-04	-1.17E-04
1.94E+02	-7.25E-04	8.35E-05	-1.05E-04
1.94E+02	-1.00E-03	7.63E-06	-8.22E-05
1.94E+02	-1.27E-03	-3.81E-06	3.26E-05
1.94E+02	-1.48E-03	4.01E-06	1.42E-04
1.94E+02	-1.63E-03	-7.82E-06	1.54E-04
1.94E+02	-1.77E-03	-3.78E-05	1.50E-04
1.94E+02	-1.83E-03	-6.87E-05	9.54E-05
1.94E+02	-1.77E-03	-4.52E-05	4.22E-05
1.94E+02	-1.70E-03	1.01E-05	2.33E-05
1.94E+02	-1.59E-03	1.05E-04	-2.96E-05
1.94E+02	-1.45E-03	2.63E-04	-2.17E-05
1.94E+02	-1.31E-03	4.53E-04	2.02E-05
1.94E+02	-1.22E-03	6.55E-04	4.44E-05
1.94E+02	-1.21E-03	8.42E-04	1.13E-04
1.94E+02	-1.22E-03	1.00E-03	1.78E-04
1.94E+02	-1.22E-03	1.13E-03	2.34E-04
1.94E+02	-1.25E-03	1.22E-03	2.78E-04
1.94E+02	-1.29E-03	1.25E-03	2.49E-04
1.94E+02	-1.28E-03	1.25E-03	2.55E-04
1.94E+02	-1.22E-03	1.21E-03	2.71E-04
1.94E+02	-1.09E-03	1.08E-03	1.67E-04
1.94E+02	-9.76E-04	8.97E-04	4.81E-05
1.94E+02	-8.55E-04	6.80E-04	-5.89E-05
1.94E+02	-6.86E-04	4.65E-04	-1.32E-04
1.94E+02	-5.69E-04	2.64E-04	-1.51E-04
1.94E+02	-5.45E-04	1.70E-05	-2.43E-04
1.94E+02	-5.58E-04	-2.08E-04	-2.52E-04
1.94E+02	-5.91E-04	-3.65E-04	-9.75E-05
1.94E+02	-6.40E-04	-4.90E-04	8.62E-05
1.94E+02	-7.20E-04	-5.78E-04	3.29E-04

1.94E+02	-7.74E-04	-6.43E-04	5.95E-04
1.94E+02	-7.26E-04	-6.81E-04	8.91E-04
1.94E+02	-6.28E-04	-6.90E-04	1.22E-03
1.94E+02	-5.05E-04	-7.21E-04	1.43E-03
1.94E+02	-3.36E-04	-7.35E-04	1.55E-03
1.94E+02	-1.54E-04	-7.16E-04	1.57E-03
1.94E+02	1.53E-05	-7.30E-04	1.36E-03
1.94E+02	1.20E-04	-7.49E-04	1.08E-03
1.94E+02	1.35E-04	-7.39E-04	7.97E-04
1.94E+02	1.21E-04	-7.08E-04	5.21E-04
1.94E+02	3.09E-05	-6.67E-04	2.84E-04
1.94E+02	-1.32E-04	-6.71E-04	5.44E-05
1.94E+02	-3.14E-04	-7.14E-04	-1.15E-04
1.94E+02	-5.31E-04	-7.52E-04	-2.39E-04
1.94E+02	-7.28E-04	-7.89E-04	-4.01E-04
1.94E+02	-9.33E-04	-8.01E-04	-5.43E-04
1.94E+02	-1.14E-03	-7.63E-04	-6.53E-04
1.94E+02	-1.23E-03	-6.74E-04	-7.39E-04
1.94E+02	-1.26E-03	-5.74E-04	-7.58E-04
1.94E+02	-1.27E-03	-5.35E-04	-7.78E-04
1.94E+02	-1.23E-03	-5.46E-04	-7.56E-04
1.94E+02	-1.14E-03	-5.92E-04	-6.47E-04
1.94E+02	-9.81E-04	-6.78E-04	-5.82E-04
1.94E+02	-8.21E-04	-7.34E-04	-4.95E-04
1.94E+02	-6.98E-04	-7.20E-04	-3.75E-04
1.94E+02	-5.31E-04	-6.35E-04	-2.95E-04
1.94E+02	-3.83E-04	-4.86E-04	-1.80E-04
1.94E+02	-3.24E-04	-3.46E-04	-1.37E-04
1.94E+02	-2.92E-04	-2.32E-04	-1.52E-04
1.94E+02	-2.99E-04	-1.30E-04	-1.04E-04
1.94E+02	-3.28E-04	-6.16E-05	-8.83E-05
1.94E+02	-3.62E-04	-4.01E-06	-6.81E-05
1.94E+02	-4.18E-04	3.87E-05	-3.32E-05
1.94E+02	-3.69E-04	8.16E-05	-9.54E-06
1.94E+02	-2.21E-04	1.52E-04	9.56E-05
1.94E+02	-9.35E-05	1.85E-04	1.71E-04
1.94E+02	5.95E-05	1.94E-04	1.76E-04
1.94E+02	2.43E-04	2.29E-04	2.16E-04
1.94E+02	4.32E-04	2.57E-04	1.75E-04
1.94E+02	6.14E-04	2.78E-04	4.62E-05
1.94E+02	7.35E-04	3.01E-04	-6.56E-05
1.94E+02	8.41E-04	3.42E-04	-1.60E-04
1.94E+02	9.10E-04	4.24E-04	-1.80E-04
1.94E+02	8.54E-04	4.96E-04	-1.88E-04
1.94E+02	7.39E-04	5.30E-04	-2.19E-04
1.94E+02	5.90E-04	5.76E-04	-1.58E-04
1.94E+02	4.08E-04	6.05E-04	-9.25E-05

1.94E+02	2.00E-04	5.99E-04	-1.03E-04
1.94E+02	-6.29E-05	6.14E-04	-1.15E-04
1.94E+02	-2.78E-04	6.68E-04	-1.05E-04
1.94E+02	-4.45E-04	7.30E-04	-6.87E-05
1.94E+02	-6.33E-04	7.68E-04	-4.54E-05
1.94E+02	-7.63E-04	7.58E-04	-6.81E-05
1.94E+02	-8.31E-04	6.84E-04	-6.62E-05
1.94E+02	-8.40E-04	5.23E-04	-7.44E-05
1.94E+02	-7.90E-04	2.78E-04	-1.56E-04
1.94E+02	-7.51E-04	2.35E-05	-2.48E-04
1.94E+02	-6.75E-04	-1.70E-04	-3.52E-04
1.94E+02	-5.29E-04	-2.79E-04	-4.53E-04
1.94E+02	-3.71E-04	-3.20E-04	-5.66E-04
1.94E+02	-1.76E-04	-3.46E-04	-7.20E-04
1.94E+02	5.82E-05	-3.30E-04	-7.74E-04
1.94E+02	3.08E-04	-2.91E-04	-7.33E-04
1.94E+02	5.56E-04	-2.77E-04	-6.95E-04
1.94E+02	7.39E-04	-2.63E-04	-6.10E-04
1.94E+02	9.02E-04	-2.56E-04	-4.82E-04
1.94E+02	1.08E-03	-2.37E-04	-3.02E-04
1.94E+02	1.18E-03	-2.24E-04	-8.51E-05
1.94E+02	1.21E-03	-2.63E-04	5.38E-05
1.94E+02	1.17E-03	-3.04E-04	1.48E-04
1.94E+02	1.10E-03	-3.44E-04	1.61E-04
1.94E+02	1.01E-03	-4.03E-04	4.96E-06
1.94E+02	8.72E-04	-4.60E-04	-1.78E-04
1.94E+02	7.48E-04	-4.81E-04	-3.29E-04
1.94E+02	6.89E-04	-4.39E-04	-4.11E-04
1.94E+02	6.24E-04	-3.60E-04	-4.27E-04
1.94E+02	5.57E-04	-2.91E-04	-4.91E-04
1.94E+02	5.19E-04	-2.17E-04	-4.89E-04
1.94E+02	5.02E-04	-1.19E-04	-4.09E-04
1.94E+02	4.90E-04	-4.79E-05	-3.88E-04
1.94E+02	4.27E-04	-1.16E-05	-3.69E-04
1.94E+02	3.56E-04	1.28E-05	-3.59E-04
1.95E+02	3.47E-04	3.17E-05	-3.48E-04
1.95E+02	3.47E-04	5.47E-05	-2.85E-04
1.95E+02	3.46E-04	4.71E-05	-2.78E-04
1.95E+02	3.91E-04	4.77E-05	-2.96E-04
1.95E+02	4.73E-04	9.17E-05	-2.95E-04
1.95E+02	6.06E-04	1.20E-04	-3.41E-04
1.95E+02	7.44E-04	1.35E-04	-3.20E-04
1.95E+02	8.59E-04	1.47E-04	-2.46E-04
1.95E+02	1.02E-03	1.84E-04	-1.95E-04
1.95E+02	1.15E-03	2.49E-04	-1.67E-04
1.95E+02	1.22E-03	2.80E-04	-2.82E-04
1.95E+02	1.29E-03	2.96E-04	-4.37E-04

1.95E+02	1.34E-03	3.29E-04	-5.18E-04
1.95E+02	1.37E-03	3.49E-04	-6.11E-04
1.95E+02	1.32E-03	3.61E-04	-6.74E-04
1.95E+02	1.21E-03	3.77E-04	-7.35E-04
1.95E+02	1.13E-03	4.13E-04	-8.05E-04
1.95E+02	1.04E-03	4.76E-04	-8.11E-04
1.95E+02	9.17E-04	5.05E-04	-8.56E-04
1.95E+02	8.15E-04	5.11E-04	-8.75E-04
1.95E+02	7.51E-04	5.24E-04	-7.88E-04
1.95E+02	7.16E-04	5.07E-04	-7.54E-04
1.95E+02	6.74E-04	4.80E-04	-7.08E-04
1.95E+02	5.99E-04	4.44E-04	-6.10E-04
1.95E+02	5.49E-04	4.19E-04	-5.06E-04
1.95E+02	4.83E-04	4.52E-04	-3.28E-04
1.95E+02	3.36E-04	4.82E-04	-2.14E-04
1.95E+02	1.71E-04	5.33E-04	-1.83E-04
1.95E+02	1.83E-05	6.39E-04	-1.26E-04
1.95E+02	-1.17E-04	7.53E-04	-1.43E-04
1.95E+02	-2.40E-04	8.62E-04	-2.50E-04
1.95E+02	-3.76E-04	9.47E-04	-4.07E-04
1.95E+02	-4.34E-04	1.01E-03	-6.01E-04
1.95E+02	-4.16E-04	1.06E-03	-7.26E-04
1.95E+02	-4.10E-04	1.06E-03	-8.17E-04
1.95E+02	-3.66E-04	9.93E-04	-9.22E-04
1.95E+02	-2.77E-04	9.04E-04	-9.31E-04
1.95E+02	-1.83E-04	7.90E-04	-9.22E-04
1.95E+02	-1.08E-04	6.57E-04	-9.25E-04
1.95E+02	-1.09E-04	5.50E-04	-8.63E-04
1.95E+02	-1.11E-04	4.92E-04	-8.22E-04
1.95E+02	-9.88E-05	5.03E-04	-7.52E-04
1.95E+02	-1.77E-04	5.14E-04	-6.87E-04
1.95E+02	-2.70E-04	4.89E-04	-6.60E-04
1.95E+02	-3.31E-04	4.76E-04	-5.16E-04
1.95E+02	-3.83E-04	4.47E-04	-3.56E-04
1.95E+02	-4.09E-04	3.89E-04	-2.49E-04
1.95E+02	-4.39E-04	3.46E-04	-1.36E-04
1.95E+02	-4.00E-04	3.24E-04	-5.11E-05
1.95E+02	-2.64E-04	3.39E-04	6.50E-05
1.95E+02	-1.22E-04	3.63E-04	1.90E-04
1.95E+02	2.14E-05	3.37E-04	2.37E-04
1.95E+02	1.56E-04	3.11E-04	2.93E-04
1.95E+02	2.62E-04	2.84E-04	2.96E-04
1.95E+02	3.40E-04	2.06E-04	1.85E-04
1.95E+02	3.55E-04	1.45E-04	9.21E-05
1.95E+02	3.45E-04	1.29E-04	-5.72E-07
1.95E+02	3.64E-04	1.62E-04	-8.20E-05
1.95E+02	3.48E-04	2.46E-04	-1.46E-04

1.95E+02	3.09E-04	3.27E-04	-3.04E-04
1.95E+02	3.12E-04	4.40E-04	-4.28E-04
1.95E+02	3.28E-04	5.95E-04	-5.07E-04
1.95E+02	3.26E-04	7.21E-04	-6.32E-04
1.95E+02	2.73E-04	8.34E-04	-6.86E-04
1.95E+02	1.93E-04	9.45E-04	-6.96E-04
1.95E+02	1.44E-04	1.04E-03	-6.43E-04
1.95E+02	6.87E-05	1.13E-03	-4.89E-04
1.95E+02	-2.12E-05	1.17E-03	-3.52E-04
1.95E+02	-6.50E-05	1.20E-03	-1.42E-04
1.95E+02	-7.04E-05	1.25E-03	1.30E-04
1.95E+02	-2.35E-05	1.25E-03	3.13E-04
1.95E+02	3.28E-05	1.24E-03	4.73E-04
1.95E+02	9.78E-05	1.18E-03	5.87E-04
1.95E+02	2.18E-04	1.08E-03	5.91E-04
1.95E+02	3.07E-04	9.15E-04	4.90E-04
1.95E+02	3.61E-04	6.80E-04	2.58E-04
1.95E+02	4.48E-04	4.43E-04	5.38E-05
1.95E+02	5.60E-04	2.61E-04	-4.12E-05
1.95E+02	7.02E-04	9.42E-05	-1.44E-04
1.95E+02	8.25E-04	-4.58E-05	-2.20E-04
1.95E+02	9.36E-04	-1.44E-04	-2.76E-04
1.95E+02	1.09E-03	-2.36E-04	-3.50E-04
1.95E+02	1.20E-03	-3.25E-04	-3.97E-04
1.95E+02	1.23E-03	-4.18E-04	-4.77E-04
1.95E+02	1.22E-03	-5.00E-04	-5.42E-04
1.95E+02	1.15E-03	-5.15E-04	-4.89E-04
1.95E+02	1.06E-03	-4.94E-04	-4.42E-04
1.95E+02	8.98E-04	-4.76E-04	-4.02E-04
1.95E+02	6.75E-04	-4.27E-04	-2.55E-04
1.95E+02	4.83E-04	-3.47E-04	-2.12E-05
1.95E+02	2.77E-04	-2.66E-04	2.81E-04
1.95E+02	4.22E-05	-2.29E-04	5.42E-04
1.95E+02	-1.50E-04	-2.19E-04	7.59E-04
1.95E+02	-3.02E-04	-2.00E-04	9.73E-04
1.95E+02	-4.09E-04	-2.12E-04	1.03E-03
1.95E+02	-4.89E-04	-2.34E-04	9.66E-04
1.95E+02	-5.54E-04	-2.20E-04	8.74E-04
1.95E+02	-5.33E-04	-1.83E-04	7.14E-04
1.95E+02	-4.63E-04	-1.37E-04	5.53E-04
1.95E+02	-4.21E-04	-1.30E-04	3.55E-04
1.95E+02	-3.79E-04	-1.79E-04	1.27E-04
1.95E+02	-3.32E-04	-2.40E-04	-2.86E-06
1.95E+02	-3.03E-04	-3.54E-04	-1.32E-04
1.95E+02	-3.19E-04	-4.98E-04	-2.56E-04
1.95E+02	-3.99E-04	-6.15E-04	-2.95E-04
1.95E+02	-4.64E-04	-7.11E-04	-3.13E-04

1.95E+02	-5.10E-04	-7.72E-04	-2.32E-04
1.95E+02	-5.86E-04	-8.48E-04	-1.00E-04
1.95E+02	-6.15E-04	-9.61E-04	1.53E-05
1.95E+02	-6.06E-04	-1.08E-03	1.89E-04
1.95E+02	-5.97E-04	-1.20E-03	3.41E-04
1.95E+02	-6.00E-04	-1.32E-03	4.50E-04
1.95E+02	-6.57E-04	-1.41E-03	5.22E-04
1.95E+02	-6.85E-04	-1.46E-03	5.15E-04
1.95E+02	-6.59E-04	-1.45E-03	5.14E-04
1.95E+02	-6.47E-04	-1.40E-03	5.08E-04
1.95E+02	-6.03E-04	-1.32E-03	4.99E-04
1.95E+02	-5.17E-04	-1.20E-03	5.98E-04
1.95E+02	-4.14E-04	-1.07E-03	6.85E-04
1.95E+02	-3.21E-04	-1.00E-03	6.81E-04
1.95E+02	-3.06E-04	-9.64E-04	6.71E-04
1.95E+02	-3.07E-04	-9.54E-04	6.32E-04
1.95E+02	-3.07E-04	-9.27E-04	5.72E-04
1.95E+02	-3.81E-04	-9.14E-04	4.34E-04
1.95E+02	-4.40E-04	-9.04E-04	2.23E-04
1.95E+02	-4.30E-04	-8.18E-04	1.36E-04
1.95E+02	-3.35E-04	-6.95E-04	1.43E-04
1.95E+02	-1.30E-04	-5.43E-04	1.64E-04
1.95E+02	1.21E-04	-3.62E-04	2.09E-04
1.95E+02	4.59E-04	-1.79E-04	1.94E-04
1.95E+02	8.69E-04	-3.81E-07	1.52E-04
1.95E+02	1.24E-03	1.53E-04	1.28E-04
1.95E+02	1.59E-03	2.76E-04	9.00E-05
1.95E+02	1.86E-03	3.73E-04	1.32E-04
1.95E+02	2.05E-03	4.38E-04	2.32E-04
1.95E+02	2.18E-03	4.52E-04	2.84E-04
1.95E+02	2.18E-03	4.24E-04	3.38E-04
1.95E+02	2.12E-03	3.82E-04	3.91E-04
1.95E+02	2.05E-03	3.19E-04	4.45E-04
1.95E+02	1.87E-03	2.08E-04	4.69E-04
1.95E+02	1.63E-03	2.84E-05	3.84E-04
1.95E+02	1.37E-03	-1.59E-04	3.27E-04
1.95E+02	1.10E-03	-3.32E-04	3.00E-04
1.95E+02	8.38E-04	-5.19E-04	2.35E-04
1.95E+02	5.45E-04	-6.86E-04	2.27E-04
1.95E+02	2.70E-04	-8.23E-04	2.13E-04
1.95E+02	1.27E-04	-8.86E-04	2.15E-04
1.95E+02	2.82E-05	-8.81E-04	2.79E-04
1.95E+02	-2.96E-05	-8.91E-04	2.74E-04
1.95E+02	2.23E-05	-8.70E-04	2.72E-04
1.95E+02	1.15E-04	-8.31E-04	2.72E-04
1.95E+02	2.45E-04	-8.17E-04	1.43E-04
1.95E+02	3.63E-04	-7.50E-04	1.11E-05

1.95E+02	4.51E-04	-6.22E-04	-1.17E-04
1.95E+02	5.77E-04	-4.35E-04	-3.09E-04
1.95E+02	6.65E-04	-2.24E-04	-5.35E-04
1.95E+02	6.87E-04	-7.02E-05	-8.51E-04
1.95E+02	7.06E-04	6.75E-05	-1.08E-03
1.95E+02	6.98E-04	2.06E-04	-1.08E-03
1.95E+02	6.41E-04	2.97E-04	-1.03E-03
1.95E+02	5.08E-04	3.59E-04	-8.81E-04
1.95E+02	3.18E-04	3.93E-04	-7.05E-04
1.95E+02	1.74E-04	3.83E-04	-5.83E-04
1.95E+02	3.11E-05	3.27E-04	-4.55E-04
1.95E+02	-1.33E-04	1.94E-04	-3.91E-04
1.95E+02	-2.33E-04	1.93E-05	-3.35E-04
1.95E+02	-2.64E-04	-1.53E-04	-1.89E-04
1.95E+02	-2.13E-04	-3.64E-04	-6.62E-05
1.95E+02	-1.10E-04	-6.07E-04	5.55E-05
1.95E+02	3.05E-06	-8.59E-04	1.98E-04
1.95E+02	1.79E-04	-1.10E-03	2.89E-04
1.95E+02	3.47E-04	-1.33E-03	3.43E-04
1.95E+02	4.54E-04	-1.56E-03	2.66E-04
1.95E+02	5.70E-04	-1.74E-03	1.05E-04
1.95E+02	6.71E-04	-1.82E-03	-3.24E-05
1.95E+02	7.59E-04	-1.84E-03	-2.01E-04
1.95E+02	8.09E-04	-1.82E-03	-3.44E-04
1.95E+02	7.83E-04	-1.78E-03	-4.50E-04
1.95E+02	7.80E-04	-1.72E-03	-5.28E-04
1.95E+02	7.72E-04	-1.64E-03	-5.50E-04
1.95E+02	6.91E-04	-1.57E-03	-6.11E-04
1.95E+02	6.14E-04	-1.49E-03	-6.80E-04
1.95E+02	5.43E-04	-1.35E-03	-6.61E-04
1.95E+02	4.73E-04	-1.21E-03	-6.45E-04
1.95E+02	4.11E-04	-1.07E-03	-6.15E-04
1.95E+02	3.19E-04	-9.32E-04	-4.86E-04
1.95E+02	2.83E-04	-7.90E-04	-3.00E-04
1.95E+02	3.01E-04	-6.38E-04	-6.12E-05
1.95E+02	2.92E-04	-5.35E-04	1.26E-04
1.95E+02	3.19E-04	-4.89E-04	2.08E-04
1.95E+02	3.81E-04	-4.36E-04	3.11E-04
1.95E+02	4.62E-04	-4.04E-04	3.85E-04
1.95E+02	5.48E-04	-3.85E-04	4.02E-04
1.95E+02	5.87E-04	-3.49E-04	4.15E-04
1.95E+02	6.61E-04	-2.92E-04	4.03E-04
1.95E+02	7.60E-04	-2.15E-04	3.94E-04
1.95E+02	8.14E-04	-1.80E-04	3.71E-04
1.95E+02	8.93E-04	-1.97E-04	3.07E-04
1.95E+02	9.73E-04	-2.50E-04	2.66E-04
1.95E+02	1.05E-03	-3.49E-04	1.82E-04

1.96E+02	1.11E-03	-4.66E-04	1.66E-05
1.96E+02	1.11E-03	-5.71E-04	-1.48E-04
1.96E+02	1.10E-03	-6.44E-04	-3.10E-04
1.96E+02	1.10E-03	-6.65E-04	-3.94E-04
1.96E+02	1.03E-03	-6.91E-04	-4.23E-04
1.96E+02	9.37E-04	-7.69E-04	-4.94E-04
1.96E+02	8.41E-04	-8.42E-04	-4.74E-04
1.96E+02	7.34E-04	-9.19E-04	-3.98E-04
1.96E+02	6.23E-04	-1.02E-03	-3.49E-04
1.96E+02	4.59E-04	-1.11E-03	-2.70E-04
1.96E+02	3.18E-04	-1.19E-03	-2.20E-04
1.96E+02	2.46E-04	-1.24E-03	-1.63E-04
1.96E+02	1.61E-04	-1.25E-03	-8.37E-05
1.96E+02	1.05E-04	-1.24E-03	-4.67E-05
1.96E+02	1.09E-04	-1.18E-03	3.09E-05
1.96E+02	1.40E-04	-1.06E-03	6.96E-05
1.96E+02	2.07E-04	-9.16E-04	-1.79E-05
1.96E+02	2.59E-04	-6.99E-04	-9.94E-05
1.96E+02	3.17E-04	-4.54E-04	-1.71E-04
1.96E+02	4.22E-04	-1.95E-04	-2.18E-04
1.96E+02	4.84E-04	2.29E-05	-2.42E-04
1.96E+02	5.17E-04	1.17E-04	-3.33E-04
1.96E+02	5.76E-04	1.46E-04	-3.86E-04
1.96E+02	6.60E-04	1.16E-04	-3.87E-04
1.96E+02	7.59E-04	3.85E-05	-3.98E-04
1.96E+02	8.08E-04	-5.34E-06	-3.81E-04
1.96E+02	8.19E-04	-2.84E-05	-4.27E-04
1.96E+02	8.35E-04	-3.81E-06	-5.26E-04
1.96E+02	7.68E-04	6.20E-05	-6.16E-04
1.96E+02	5.98E-04	1.12E-04	-7.35E-04
1.96E+02	3.81E-04	1.83E-04	-7.58E-04
1.96E+02	1.40E-04	2.44E-04	-6.54E-04
1.96E+02	-9.31E-05	2.44E-04	-5.32E-04
1.96E+02	-3.20E-04	2.08E-04	-3.66E-04
1.96E+02	-4.98E-04	1.50E-04	-2.07E-04
1.96E+02	-5.43E-04	9.80E-05	-9.42E-05
1.96E+02	-5.19E-04	5.93E-05	5.91E-06
1.96E+02	-4.64E-04	1.20E-05	-1.14E-06
1.96E+02	-3.30E-04	1.72E-06	-5.13E-05
1.96E+02	-1.52E-04	4.83E-05	-9.10E-05
1.96E+02	2.27E-05	9.92E-05	-2.17E-04
1.96E+02	1.44E-04	1.39E-04	-3.21E-04
1.96E+02	2.09E-04	1.62E-04	-3.68E-04
1.96E+02	3.03E-04	1.70E-04	-3.82E-04
1.96E+02	3.71E-04	1.81E-04	-3.22E-04
1.96E+02	3.83E-04	1.59E-04	-2.88E-04
1.96E+02	4.19E-04	1.26E-04	-2.43E-04

1.96E+02	4.48E-04	1.15E-04	-1.39E-04
1.96E+02	4.71E-04	8.09E-05	-1.26E-04
1.96E+02	4.42E-04	2.69E-05	-2.11E-04
1.96E+02	3.45E-04	-3.05E-06	-3.10E-04
1.96E+02	2.92E-04	6.29E-06	-3.95E-04
1.96E+02	2.09E-04	3.93E-05	-4.86E-04
1.96E+02	7.59E-05	6.71E-05	-6.53E-04
1.96E+02	-2.80E-05	1.15E-04	-8.23E-04
1.96E+02	-1.15E-04	2.22E-04	-8.66E-04
1.96E+02	-1.49E-04	3.41E-04	-7.99E-04
1.96E+02	-1.64E-04	4.55E-04	-6.23E-04
1.96E+02	-1.81E-04	5.85E-04	-3.97E-04
1.96E+02	-1.11E-04	7.00E-04	-2.22E-04
1.96E+02	2.46E-05	7.99E-04	-5.02E-05
1.96E+02	1.68E-04	8.35E-04	7.97E-05
1.96E+02	3.55E-04	7.88E-04	1.49E-04
1.96E+02	5.78E-04	7.25E-04	2.33E-04
1.96E+02	8.09E-04	6.21E-04	2.28E-04
1.96E+02	1.02E-03	4.63E-04	1.23E-04
1.96E+02	1.14E-03	2.96E-04	1.56E-05
1.96E+02	1.26E-03	1.49E-04	-1.10E-04
1.96E+02	1.35E-03	5.70E-05	-1.95E-04
1.96E+02	1.34E-03	-3.70E-05	-2.53E-04
1.96E+02	1.29E-03	-1.38E-04	-2.96E-04
1.96E+02	1.21E-03	-1.92E-04	-2.33E-04
1.96E+02	1.09E-03	-2.31E-04	-1.45E-04
1.96E+02	9.56E-04	-2.47E-04	-5.19E-05
1.96E+02	7.44E-04	-2.41E-04	5.04E-05
1.96E+02	5.40E-04	-2.27E-04	9.56E-05
1.96E+02	4.09E-04	-1.41E-04	1.57E-04
1.96E+02	2.64E-04	-4.20E-06	2.24E-04
1.96E+02	1.51E-04	1.58E-04	2.55E-04
1.96E+02	1.03E-04	3.71E-04	3.62E-04
1.96E+02	1.01E-04	5.87E-04	4.93E-04
1.96E+02	1.32E-04	7.70E-04	5.57E-04
1.96E+02	1.42E-04	9.26E-04	5.66E-04
1.96E+02	1.84E-04	1.08E-03	4.68E-04
1.96E+02	2.79E-04	1.27E-03	3.37E-04
1.96E+02	3.53E-04	1.45E-03	1.87E-04
1.96E+02	4.22E-04	1.62E-03	-1.51E-05
1.96E+02	5.09E-04	1.78E-03	-1.25E-04
1.96E+02	5.74E-04	1.88E-03	-1.98E-04
1.96E+02	5.73E-04	1.86E-03	-3.08E-04
1.96E+02	4.63E-04	1.73E-03	-3.63E-04
1.96E+02	2.97E-04	1.50E-03	-4.00E-04
1.96E+02	1.47E-04	1.25E-03	-4.16E-04
1.96E+02	-4.58E-05	1.00E-03	-4.14E-04

1.96E+02	-2.47E-04	7.83E-04	-4.44E-04
1.96E+02	-3.97E-04	6.71E-04	-3.87E-04
1.96E+02	-5.28E-04	6.77E-04	-2.50E-04
1.96E+02	-6.54E-04	7.07E-04	-1.44E-04
1.96E+02	-8.32E-04	7.36E-04	-1.34E-05
1.96E+02	-1.04E-03	7.64E-04	9.65E-05
1.96E+02	-1.21E-03	7.77E-04	1.75E-04
1.96E+02	-1.38E-03	7.82E-04	2.61E-04
1.96E+02	-1.54E-03	7.77E-04	2.77E-04
1.96E+02	-1.60E-03	8.06E-04	3.24E-04
1.96E+02	-1.60E-03	8.95E-04	4.35E-04
1.96E+02	-1.51E-03	9.96E-04	4.58E-04
1.96E+02	-1.41E-03	1.08E-03	4.38E-04
1.96E+02	-1.29E-03	1.16E-03	3.71E-04
1.96E+02	-1.14E-03	1.20E-03	2.20E-04
1.96E+02	-1.05E-03	1.22E-03	8.13E-05
1.96E+02	-1.03E-03	1.21E-03	-1.04E-04
1.96E+02	-1.03E-03	1.20E-03	-2.49E-04
1.96E+02	-1.04E-03	1.21E-03	-2.28E-04
1.96E+02	-1.07E-03	1.20E-03	-2.08E-04
1.96E+02	-1.14E-03	1.15E-03	-1.81E-04
1.96E+02	-1.23E-03	1.09E-03	-1.26E-04
1.96E+02	-1.27E-03	1.03E-03	-6.58E-05
1.96E+02	-1.27E-03	9.84E-04	4.60E-05
1.96E+02	-1.27E-03	8.82E-04	7.21E-05
1.96E+02	-1.21E-03	7.51E-04	1.06E-04
1.96E+02	-1.08E-03	6.84E-04	2.16E-04
1.96E+02	-9.25E-04	6.24E-04	2.34E-04
1.96E+02	-7.85E-04	6.01E-04	2.42E-04
1.96E+02	-6.42E-04	6.49E-04	2.38E-04
1.96E+02	-4.31E-04	6.95E-04	1.82E-04
1.96E+02	-2.10E-04	7.39E-04	1.69E-04
1.96E+02	3.24E-06	7.50E-04	1.12E-04
1.96E+02	2.27E-04	7.13E-04	5.47E-05
1.96E+02	4.33E-04	6.72E-04	8.34E-05
1.96E+02	6.19E-04	6.03E-04	9.67E-05
1.96E+02	7.29E-04	5.02E-04	1.48E-04
1.96E+02	7.29E-04	4.06E-04	2.19E-04
1.96E+02	6.85E-04	3.57E-04	2.32E-04
1.96E+02	5.94E-04	3.83E-04	2.64E-04
1.96E+02	4.45E-04	4.29E-04	2.26E-04
1.96E+02	3.32E-04	4.91E-04	1.29E-04
1.96E+02	2.62E-04	6.07E-04	1.31E-04
1.96E+02	2.31E-04	7.25E-04	1.42E-04
1.96E+02	2.44E-04	8.09E-04	1.39E-04
1.96E+02	2.71E-04	8.53E-04	1.71E-04
1.96E+02	3.80E-04	8.67E-04	1.91E-04

1.96E+02	5.44E-04	8.56E-04	2.40E-04
1.96E+02	6.72E-04	7.97E-04	2.51E-04
1.96E+02	8.01E-04	7.19E-04	2.16E-04
1.96E+02	9.28E-04	6.65E-04	2.76E-04
1.96E+02	1.05E-03	6.20E-04	3.32E-04
1.96E+02	1.13E-03	5.63E-04	3.61E-04
1.96E+02	1.11E-03	4.98E-04	4.51E-04
1.96E+02	1.05E-03	4.04E-04	4.94E-04
1.96E+02	9.57E-04	3.06E-04	5.32E-04
1.96E+02	8.00E-04	2.08E-04	5.45E-04
1.96E+02	6.17E-04	8.58E-05	4.81E-04
1.96E+02	4.27E-04	9.35E-06	4.91E-04
1.96E+02	2.67E-04	-3.13E-05	5.09E-04
1.96E+02	1.12E-04	-7.25E-05	5.19E-04
1.96E+02	-7.86E-05	-9.86E-05	5.95E-04
1.96E+02	-2.30E-04	-1.37E-04	6.15E-04
1.96E+02	-3.29E-04	-1.74E-04	6.03E-04
1.96E+02	-4.29E-04	-2.30E-04	5.71E-04
1.96E+02	-4.88E-04	-3.41E-04	4.99E-04
1.96E+02	-4.81E-04	-4.40E-04	5.26E-04
1.96E+02	-4.25E-04	-5.41E-04	5.92E-04
1.96E+02	-3.32E-04	-6.53E-04	6.34E-04
1.96E+02	-2.60E-04	-7.17E-04	7.27E-04
1.96E+02	-1.44E-04	-7.35E-04	7.79E-04
1.96E+02	4.14E-05	-6.98E-04	7.90E-04
1.96E+02	1.87E-04	-6.33E-04	7.15E-04
1.96E+02	3.30E-04	-5.75E-04	4.92E-04
1.96E+02	4.87E-04	-4.64E-04	3.06E-04
1.96E+02	6.34E-04	-3.13E-04	1.52E-04
1.96E+02	7.67E-04	-1.59E-04	-2.94E-05
1.96E+02	8.05E-04	1.60E-05	-1.61E-04
1.96E+02	7.91E-04	1.73E-04	-2.60E-04
1.96E+02	7.53E-04	2.96E-04	-3.12E-04
1.96E+02	6.07E-04	3.77E-04	-3.14E-04
1.96E+02	3.89E-04	3.94E-04	-3.42E-04
1.96E+02	1.50E-04	4.07E-04	-2.86E-04
1.96E+02	-8.56E-05	4.24E-04	-1.21E-04
1.96E+02	-2.97E-04	3.98E-04	4.39E-06
1.96E+02	-5.14E-04	3.55E-04	1.46E-04
1.96E+02	-6.81E-04	3.22E-04	3.15E-04
1.96E+02	-7.47E-04	3.19E-04	4.66E-04
1.96E+02	-7.75E-04	3.14E-04	6.00E-04
1.96E+02	-7.56E-04	2.73E-04	6.48E-04
1.96E+02	-6.46E-04	2.50E-04	7.16E-04
1.96E+02	-4.73E-04	2.53E-04	8.25E-04
1.96E+02	-2.75E-04	2.51E-04	8.62E-04
1.96E+02	-1.15E-04	2.52E-04	8.60E-04

1.96E+02	2.21E-05	2.42E-04	7.84E-04
1.96E+02	1.87E-04	2.47E-04	6.61E-04
1.96E+02	3.10E-04	2.62E-04	5.53E-04
1.96E+02	3.68E-04	2.35E-04	3.73E-04
1.96E+02	3.98E-04	2.13E-04	2.04E-04
1.96E+02	4.01E-04	2.04E-04	1.07E-04
1.96E+02	3.88E-04	1.45E-04	-1.39E-05
1.96E+02	3.04E-04	5.42E-05	-1.10E-04
1.96E+02	1.82E-04	-7.00E-05	-1.74E-04
1.96E+02	1.13E-04	-2.09E-04	-2.29E-04
1.96E+02	4.79E-05	-3.21E-04	-2.66E-04
1.96E+02	5.34E-06	-4.42E-04	-3.81E-04
1.97E+02	4.20E-05	-5.31E-04	-4.73E-04
1.97E+02	1.39E-04	-5.39E-04	-4.33E-04
1.97E+02	2.95E-04	-5.39E-04	-3.89E-04
1.97E+02	4.27E-04	-5.53E-04	-3.40E-04
1.97E+02	5.23E-04	-5.79E-04	-2.64E-04
1.97E+02	6.69E-04	-6.12E-04	-1.67E-04
1.97E+02	7.86E-04	-6.54E-04	8.58E-06
1.97E+02	8.36E-04	-7.43E-04	1.58E-04
1.97E+02	8.79E-04	-8.38E-04	2.47E-04
1.97E+02	9.08E-04	-8.85E-04	3.28E-04
1.97E+02	9.61E-04	-8.95E-04	3.39E-04
1.97E+02	9.99E-04	-8.81E-04	3.44E-04
1.97E+02	1.01E-03	-8.43E-04	4.23E-04
1.97E+02	1.10E-03	-7.85E-04	5.24E-04
1.97E+02	1.19E-03	-7.45E-04	6.21E-04
1.97E+02	1.23E-03	-7.64E-04	6.17E-04
1.97E+02	1.29E-03	-8.24E-04	5.30E-04
1.97E+02	1.32E-03	-8.84E-04	4.69E-04
1.97E+02	1.34E-03	-9.59E-04	3.47E-04
1.97E+02	1.31E-03	-1.04E-03	1.98E-04
1.97E+02	1.21E-03	-1.10E-03	5.65E-05
1.97E+02	1.13E-03	-1.17E-03	-1.29E-04
1.97E+02	1.05E-03	-1.21E-03	-2.76E-04
1.97E+02	9.24E-04	-1.27E-03	-4.43E-04
1.97E+02	7.91E-04	-1.38E-03	-5.93E-04
1.97E+02	6.53E-04	-1.45E-03	-5.85E-04
1.97E+02	5.50E-04	-1.49E-03	-5.57E-04
1.97E+02	4.58E-04	-1.51E-03	-5.55E-04
1.97E+02	3.15E-04	-1.46E-03	-5.18E-04
1.97E+02	2.16E-04	-1.37E-03	-4.81E-04
1.97E+02	1.88E-04	-1.19E-03	-3.81E-04
1.97E+02	1.60E-04	-9.96E-04	-3.00E-04
1.97E+02	1.80E-04	-8.09E-04	-2.90E-04
1.97E+02	2.67E-04	-5.77E-04	-1.44E-04
1.97E+02	3.39E-04	-3.88E-04	5.28E-05

1.97E+02	3.52E-04	-2.65E-04	2.20E-04
1.97E+02	2.57E-04	-1.72E-04	3.87E-04
1.97E+02	9.94E-05	-1.37E-04	4.46E-04
1.97E+02	-7.15E-05	-9.63E-05	4.92E-04
1.97E+02	-3.37E-04	-6.79E-05	5.36E-04
1.97E+02	-6.38E-04	-8.72E-05	5.05E-04
1.97E+02	-9.06E-04	-9.42E-05	5.37E-04
1.97E+02	-1.13E-03	-1.19E-04	5.81E-04
1.97E+02	-1.29E-03	-1.99E-04	5.80E-04
1.97E+02	-1.44E-03	-3.06E-04	6.18E-04
1.97E+02	-1.52E-03	-4.22E-04	6.29E-04
1.97E+02	-1.51E-03	-5.26E-04	6.34E-04
1.97E+02	-1.52E-03	-6.45E-04	5.72E-04
1.97E+02	-1.49E-03	-8.01E-04	3.60E-04
1.97E+02	-1.43E-03	-9.16E-04	1.69E-04
1.97E+02	-1.36E-03	-9.75E-04	1.47E-05
1.97E+02	-1.29E-03	-1.02E-03	-1.17E-04
1.97E+02	-1.26E-03	-1.02E-03	-1.59E-04
1.97E+02	-1.24E-03	-1.00E-03	-1.96E-04
1.97E+02	-1.18E-03	-9.48E-04	-2.15E-04
1.97E+02	-1.18E-03	-8.76E-04	-2.22E-04
1.97E+02	-1.19E-03	-8.24E-04	-3.04E-04
1.97E+02	-1.17E-03	-7.29E-04	-3.31E-04
1.97E+02	-1.17E-03	-5.88E-04	-3.04E-04
1.97E+02	-1.13E-03	-4.66E-04	-3.51E-04
1.97E+02	-1.13E-03	-3.40E-04	-3.69E-04
1.97E+02	-1.13E-03	-2.26E-04	-3.29E-04
1.97E+02	-1.06E-03	-1.25E-04	-2.12E-04
1.97E+02	-1.02E-03	-5.66E-05	-4.54E-05
1.97E+02	-1.01E-03	-8.05E-05	3.05E-06
1.97E+02	-9.95E-04	-1.34E-04	2.16E-05
1.97E+02	-1.00E-03	-1.85E-04	6.39E-05
1.97E+02	-1.01E-03	-2.40E-04	6.71E-05
1.97E+02	-1.08E-03	-2.45E-04	1.31E-04
1.97E+02	-1.16E-03	-2.06E-04	2.14E-04
1.97E+02	-1.19E-03	-1.12E-04	2.90E-04
1.97E+02	-1.24E-03	4.18E-05	4.04E-04
1.97E+02	-1.31E-03	1.74E-04	4.12E-04
1.97E+02	-1.35E-03	3.10E-04	4.01E-04
1.97E+02	-1.35E-03	4.52E-04	4.34E-04
1.97E+02	-1.34E-03	5.01E-04	3.54E-04
1.97E+02	-1.36E-03	5.04E-04	2.81E-04
1.97E+02	-1.38E-03	5.04E-04	2.52E-04
1.97E+02	-1.35E-03	5.00E-04	1.99E-04
1.97E+02	-1.34E-03	4.93E-04	1.78E-04
1.97E+02	-1.38E-03	4.18E-04	1.01E-04
1.97E+02	-1.40E-03	3.19E-04	4.02E-05

1.97E+02	-1.43E-03	2.74E-04	1.08E-04
1.97E+02	-1.43E-03	2.66E-04	1.85E-04
1.97E+02	-1.46E-03	3.13E-04	2.68E-04
1.97E+02	-1.53E-03	4.12E-04	3.52E-04
1.97E+02	-1.55E-03	5.48E-04	4.02E-04
1.97E+02	-1.54E-03	7.07E-04	4.51E-04
1.97E+02	-1.57E-03	8.17E-04	4.15E-04
1.97E+02	-1.57E-03	8.77E-04	3.19E-04
1.97E+02	-1.55E-03	9.04E-04	2.91E-04
1.97E+02	-1.53E-03	8.63E-04	2.62E-04
1.97E+02	-1.54E-03	7.63E-04	2.31E-04
1.97E+02	-1.64E-03	6.59E-04	2.32E-04
1.97E+02	-1.74E-03	5.87E-04	2.01E-04
1.97E+02	-1.87E-03	5.64E-04	1.79E-04
1.97E+02	-2.05E-03	5.76E-04	1.14E-04
1.97E+02	-2.22E-03	5.88E-04	5.34E-06
1.97E+02	-2.34E-03	6.33E-04	-6.10E-06
1.97E+02	-2.40E-03	6.94E-04	-1.20E-05
1.97E+02	-2.42E-03	7.09E-04	-3.47E-05
1.97E+02	-2.44E-03	7.02E-04	-3.07E-05
1.97E+02	-2.40E-03	6.82E-04	-8.34E-05
1.97E+02	-2.30E-03	6.87E-04	-1.42E-04
1.97E+02	-2.24E-03	7.00E-04	-2.32E-04
1.97E+02	-2.18E-03	6.97E-04	-3.36E-04
1.97E+02	-2.12E-03	7.31E-04	-3.11E-04
1.97E+02	-2.04E-03	7.45E-04	-2.64E-04
1.97E+02	-1.97E-03	7.18E-04	-2.32E-04
1.97E+02	-1.96E-03	6.74E-04	-1.52E-04
1.97E+02	-1.95E-03	6.15E-04	-9.33E-05
1.97E+02	-1.92E-03	5.94E-04	-7.44E-06
1.97E+02	-1.93E-03	5.71E-04	5.17E-05
1.97E+02	-1.93E-03	5.42E-04	3.99E-05
1.97E+02	-1.91E-03	5.52E-04	8.58E-05
1.97E+02	-1.88E-03	5.51E-04	9.46E-05
1.97E+02	-1.85E-03	5.39E-04	5.00E-05
1.97E+02	-1.87E-03	5.18E-04	3.57E-05
1.97E+02	-1.87E-03	4.81E-04	-2.16E-05
1.97E+02	-1.82E-03	4.68E-04	-6.77E-05
1.97E+02	-1.78E-03	4.57E-04	-1.31E-04
1.97E+02	-1.74E-03	4.26E-04	-2.45E-04
1.97E+02	-1.66E-03	4.17E-04	-2.57E-04
1.97E+02	-1.58E-03	4.20E-04	-2.55E-04
1.97E+02	-1.49E-03	4.09E-04	-3.20E-04
1.97E+02	-1.48E-03	3.85E-04	-3.97E-04
1.97E+02	-1.51E-03	3.73E-04	-5.33E-04
1.97E+02	-1.49E-03	4.13E-04	-6.74E-04
1.97E+02	-1.54E-03	4.66E-04	-8.14E-04

1.97E+02	-1.60E-03	5.10E-04	-9.63E-04
1.97E+02	-1.63E-03	5.93E-04	-9.57E-04
1.97E+02	-1.64E-03	6.96E-04	-8.11E-04
1.97E+02	-1.63E-03	7.81E-04	-6.24E-04
1.97E+02	-1.68E-03	8.34E-04	-3.91E-04
1.97E+02	-1.69E-03	8.30E-04	-1.89E-04
1.97E+02	-1.61E-03	7.89E-04	-3.20E-05
1.97E+02	-1.51E-03	7.42E-04	1.09E-04
1.97E+02	-1.40E-03	6.73E-04	1.54E-04
1.97E+02	-1.25E-03	6.12E-04	1.93E-04
1.97E+02	-1.12E-03	5.86E-04	2.56E-04
1.97E+02	-9.99E-04	5.46E-04	2.20E-04
1.97E+02	-9.54E-04	5.17E-04	2.05E-04
1.97E+02	-9.86E-04	5.03E-04	2.26E-04
1.97E+02	-1.02E-03	4.90E-04	2.28E-04
1.97E+02	-1.10E-03	4.94E-04	2.36E-04
1.97E+02	-1.24E-03	4.79E-04	1.32E-04
1.97E+02	-1.34E-03	4.96E-04	1.60E-05
1.97E+02	-1.41E-03	5.70E-04	-6.66E-05
1.97E+02	-1.45E-03	6.12E-04	-2.28E-04
1.97E+02	-1.52E-03	6.18E-04	-3.66E-04
1.97E+02	-1.60E-03	5.87E-04	-4.78E-04
1.97E+02	-1.60E-03	5.04E-04	-5.51E-04
1.97E+02	-1.59E-03	3.99E-04	-5.35E-04
1.97E+02	-1.59E-03	2.71E-04	-5.26E-04
1.97E+02	-1.55E-03	1.65E-04	-4.79E-04
1.97E+02	-1.49E-03	1.27E-04	-3.81E-04
1.97E+02	-1.37E-03	1.05E-04	-3.52E-04
1.97E+02	-1.24E-03	1.02E-04	-3.38E-04
1.97E+02	-1.13E-03	1.29E-04	-3.32E-04
1.97E+02	-9.50E-04	1.68E-04	-2.97E-04
1.97E+02	-7.64E-04	2.27E-04	-1.61E-04
1.97E+02	-6.16E-04	2.32E-04	-1.08E-04
1.97E+02	-4.51E-04	2.08E-04	-1.11E-04
1.97E+02	-3.03E-04	2.43E-04	-8.87E-05
1.97E+02	-1.74E-04	3.01E-04	-1.72E-04
1.97E+02	-8.70E-05	3.98E-04	-2.52E-04
1.97E+02	-8.11E-05	5.37E-04	-3.02E-04
1.97E+02	-4.10E-05	7.02E-04	-3.59E-04
1.97E+02	-5.72E-06	8.60E-04	-3.51E-04
1.97E+02	-6.48E-05	9.05E-04	-3.89E-04
1.97E+02	-1.42E-04	8.67E-04	-4.16E-04
1.97E+02	-2.19E-04	7.93E-04	-3.53E-04
1.97E+02	-2.64E-04	6.47E-04	-3.28E-04
1.97E+02	-2.99E-04	4.57E-04	-2.74E-04
1.97E+02	-3.70E-04	2.58E-04	-1.62E-04
1.97E+02	-3.98E-04	7.95E-05	-8.16E-05

1.97E+02	-3.98E-04	-4.01E-05	-3.81E-06
1.97E+02	-4.18E-04	-1.40E-04	1.24E-05
1.97E+02	-4.07E-04	-2.49E-04	-3.81E-05
1.97E+02	-3.45E-04	-3.39E-04	-5.93E-05
1.97E+02	-2.43E-04	-4.30E-04	-1.44E-04
1.97E+02	-1.32E-04	-5.33E-04	-3.04E-04
1.97E+02	-3.36E-05	-6.20E-04	-4.33E-04
1.97E+02	8.09E-05	-6.93E-04	-5.31E-04
1.97E+02	1.66E-04	-7.33E-04	-5.51E-04
1.97E+02	1.71E-04	-7.72E-04	-5.41E-04
1.97E+02	1.31E-04	-8.35E-04	-5.55E-04
1.97E+02	6.73E-05	-8.74E-04	-4.75E-04
1.97E+02	4.58E-06	-9.02E-04	-3.83E-04
1.97E+02	-4.58E-05	-9.22E-04	-3.36E-04
1.97E+02	-1.24E-04	-8.90E-04	-2.47E-04
1.97E+02	-1.67E-04	-7.99E-04	-1.59E-04
1.97E+02	-1.60E-04	-6.51E-04	-7.46E-05
1.97E+02	-1.78E-04	-5.08E-04	-5.91E-05
1.97E+02	-1.80E-04	-4.09E-04	-1.27E-04
1.97E+02	-1.45E-04	-3.11E-04	-1.23E-04
1.97E+02	-7.55E-05	-2.35E-04	-8.75E-05
1.97E+02	1.53E-05	-1.89E-04	-6.56E-05
1.97E+02	7.88E-05	-1.26E-04	6.68E-06
1.97E+02	1.73E-04	-6.54E-05	9.04E-05
1.98E+02	2.97E-04	-3.28E-05	1.98E-04
1.98E+02	3.68E-04	-7.17E-05	2.76E-04
1.98E+02	4.02E-04	-2.16E-04	2.39E-04
1.98E+02	4.30E-04	-3.83E-04	2.16E-04
1.98E+02	4.59E-04	-5.43E-04	2.06E-04
1.98E+02	4.77E-04	-7.01E-04	1.47E-04
1.98E+02	4.33E-04	-8.05E-04	1.09E-04
1.98E+02	3.71E-04	-8.58E-04	4.08E-05
1.98E+02	3.28E-04	-8.34E-04	-5.97E-05
1.98E+02	2.46E-04	-7.58E-04	-1.59E-04
1.98E+02	1.60E-04	-7.01E-04	-2.75E-04
1.98E+02	1.17E-04	-6.11E-04	-2.89E-04
1.98E+02	1.10E-04	-4.97E-04	-2.16E-04
1.98E+02	1.26E-04	-4.07E-04	-1.38E-04
1.98E+02	1.05E-04	-3.33E-04	-1.09E-05
1.98E+02	8.79E-05	-2.97E-04	1.27E-04
1.98E+02	1.25E-04	-2.79E-04	2.81E-04
1.98E+02	1.42E-04	-2.76E-04	4.41E-04
1.98E+02	1.44E-04	-2.92E-04	5.09E-04
1.98E+02	1.69E-04	-2.64E-04	5.53E-04
1.98E+02	2.37E-04	-1.93E-04	5.96E-04
1.98E+02	3.49E-04	-1.23E-04	5.88E-04
1.98E+02	4.40E-04	-7.02E-05	6.03E-04

1.98E+02	5.32E-04	-3.66E-05	6.24E-04
1.98E+02	6.69E-04	-1.24E-05	6.27E-04
1.98E+02	7.70E-04	-1.56E-05	6.21E-04
1.98E+02	8.20E-04	-6.75E-05	5.12E-04
1.98E+02	8.76E-04	-1.24E-04	4.01E-04
1.98E+02	9.28E-04	-1.50E-04	3.94E-04
1.98E+02	9.66E-04	-1.92E-04	3.73E-04
1.98E+02	9.49E-04	-2.49E-04	3.48E-04
1.98E+02	8.79E-04	-2.97E-04	3.46E-04
1.98E+02	8.52E-04	-3.46E-04	3.55E-04
1.98E+02	8.26E-04	-3.90E-04	4.16E-04
1.98E+02	7.57E-04	-4.91E-04	4.32E-04
1.98E+02	7.31E-04	-5.95E-04	4.73E-04
1.98E+02	7.67E-04	-6.31E-04	5.84E-04
1.98E+02	8.37E-04	-6.90E-04	5.57E-04
1.98E+02	9.12E-04	-7.32E-04	4.75E-04
1.98E+02	9.86E-04	-7.31E-04	4.19E-04
1.98E+02	1.14E-03	-7.07E-04	3.95E-04
1.98E+02	1.31E-03	-6.39E-04	4.47E-04
1.98E+02	1.44E-03	-6.04E-04	4.06E-04
1.98E+02	1.59E-03	-5.79E-04	2.96E-04
1.98E+02	1.75E-03	-5.13E-04	2.33E-04
1.98E+02	1.88E-03	-4.65E-04	1.19E-04
1.98E+02	1.96E-03	-4.30E-04	-8.58E-06
1.98E+02	1.97E-03	-3.87E-04	-1.18E-04
1.98E+02	1.96E-03	-3.26E-04	-2.21E-04
1.98E+02	1.93E-03	-2.46E-04	-2.43E-04
1.98E+02	1.81E-03	-1.98E-04	-2.52E-04
1.98E+02	1.70E-03	-1.85E-04	-2.38E-04
1.98E+02	1.61E-03	-1.81E-04	-1.49E-04
1.98E+02	1.56E-03	-2.10E-04	-1.22E-04
1.98E+02	1.52E-03	-2.69E-04	-1.43E-04
1.98E+02	1.47E-03	-3.31E-04	-1.09E-04
1.98E+02	1.50E-03	-3.66E-04	-2.88E-05
1.98E+02	1.54E-03	-3.63E-04	1.04E-04
1.98E+02	1.53E-03	-3.75E-04	2.29E-04
1.98E+02	1.50E-03	-4.12E-04	3.11E-04
1.98E+02	1.45E-03	-4.14E-04	4.29E-04
1.98E+02	1.38E-03	-3.90E-04	5.28E-04
1.98E+02	1.30E-03	-3.58E-04	5.73E-04
1.98E+02	1.15E-03	-3.08E-04	6.01E-04
1.98E+02	1.03E-03	-2.54E-04	5.69E-04
1.98E+02	9.30E-04	-1.75E-04	5.50E-04
1.98E+02	7.96E-04	-1.17E-04	5.40E-04
1.98E+02	6.57E-04	-1.02E-04	4.91E-04
1.98E+02	5.34E-04	-7.65E-05	5.33E-04
1.98E+02	4.38E-04	-7.27E-05	5.53E-04

1.98E+02	3.48E-04	-8.53E-05	4.42E-04
1.98E+02	2.28E-04	-7.74E-05	3.55E-04
1.98E+02	1.58E-04	-3.49E-05	3.16E-04
1.98E+02	1.36E-04	6.62E-05	3.50E-04
1.98E+02	8.45E-05	1.63E-04	4.04E-04
1.98E+02	6.92E-05	2.39E-04	4.03E-04
1.98E+02	1.03E-04	3.37E-04	4.73E-04
1.98E+02	1.72E-04	4.22E-04	5.42E-04
1.98E+02	2.80E-04	4.74E-04	5.56E-04
1.98E+02	3.65E-04	4.97E-04	5.94E-04
1.98E+02	4.93E-04	4.85E-04	5.66E-04
1.98E+02	6.77E-04	4.78E-04	5.30E-04
1.98E+02	8.24E-04	4.54E-04	4.90E-04
1.98E+02	9.54E-04	3.94E-04	3.41E-04
1.98E+02	1.08E-03	3.57E-04	2.43E-04
1.98E+02	1.20E-03	3.27E-04	1.97E-04
1.98E+02	1.30E-03	2.70E-04	1.49E-04
1.98E+02	1.34E-03	2.12E-04	2.18E-04
1.98E+02	1.37E-03	1.73E-04	3.46E-04
1.98E+02	1.39E-03	1.83E-04	4.87E-04
1.98E+02	1.31E-03	1.98E-04	5.71E-04
1.98E+02	1.18E-03	1.89E-04	5.13E-04
1.98E+02	1.06E-03	2.23E-04	4.64E-04
1.98E+02	9.70E-04	3.03E-04	4.52E-04
1.98E+02	9.12E-04	4.16E-04	4.08E-04
1.98E+02	8.30E-04	5.48E-04	3.77E-04
1.98E+02	7.84E-04	6.85E-04	3.16E-04
1.98E+02	8.27E-04	8.26E-04	2.42E-04
1.98E+02	8.36E-04	9.25E-04	1.88E-04
1.98E+02	8.14E-04	9.54E-04	9.98E-05
1.98E+02	7.65E-04	9.28E-04	5.68E-05
1.98E+02	6.53E-04	8.70E-04	7.13E-05
1.98E+02	5.13E-04	7.73E-04	4.44E-05
1.98E+02	2.86E-04	6.63E-04	2.63E-05
1.98E+02	2.21E-05	5.93E-04	3.68E-05
1.98E+02	-1.64E-04	5.73E-04	8.09E-05
1.98E+02	-3.29E-04	5.84E-04	1.61E-04
1.98E+02	-4.46E-04	5.71E-04	1.67E-04
1.98E+02	-4.49E-04	5.63E-04	1.95E-04
1.98E+02	-3.68E-04	5.70E-04	2.93E-04
1.98E+02	-2.40E-04	5.19E-04	2.96E-04
1.98E+02	-1.44E-04	4.28E-04	2.63E-04
1.98E+02	-9.44E-05	3.14E-04	2.25E-04
1.98E+02	-2.65E-05	1.94E-04	1.80E-04
1.98E+02	5.72E-07	9.50E-05	2.14E-04
1.98E+02	-3.60E-05	-2.33E-05	2.07E-04
1.98E+02	-7.11E-05	-1.17E-04	1.50E-04

1.98E+02	-9.12E-05	-1.45E-04	1.20E-04
1.98E+02	-8.30E-05	-1.66E-04	-9.54E-06
1.98E+02	-8.22E-05	-1.73E-04	-1.51E-04
1.98E+02	-8.85E-05	-1.55E-04	-2.33E-04
1.98E+02	-2.86E-05	-1.04E-04	-3.38E-04
1.98E+02	4.50E-05	-1.87E-05	-3.85E-04
1.98E+02	1.29E-04	4.10E-05	-4.40E-04
1.98E+02	2.85E-04	8.91E-05	-4.74E-04
1.98E+02	4.58E-04	1.49E-04	-3.96E-04
1.98E+02	6.39E-04	1.93E-04	-3.97E-04
1.98E+02	7.86E-04	2.34E-04	-4.61E-04
1.98E+02	8.71E-04	2.70E-04	-4.87E-04
1.98E+02	9.88E-04	3.14E-04	-5.22E-04
1.98E+02	1.09E-03	3.73E-04	-5.36E-04
1.98E+02	1.13E-03	3.97E-04	-5.55E-04
1.98E+02	1.14E-03	3.98E-04	-5.40E-04
1.98E+02	1.12E-03	4.21E-04	-4.08E-04
1.98E+02	1.08E-03	4.37E-04	-2.76E-04
1.98E+02	1.00E-03	4.49E-04	-1.74E-04
1.98E+02	8.57E-04	4.66E-04	-8.20E-05
1.98E+02	7.09E-04	4.78E-04	-6.24E-05
1.98E+02	5.69E-04	4.90E-04	-4.08E-05
1.98E+02	4.30E-04	4.71E-04	-2.63E-05
1.98E+02	3.31E-04	4.06E-04	-6.45E-05
1.98E+02	2.97E-04	3.44E-04	-5.15E-06
1.98E+02	3.33E-04	2.78E-04	1.17E-04
1.98E+02	3.79E-04	1.75E-04	2.10E-04
1.98E+02	4.08E-04	6.96E-05	3.12E-04
1.98E+02	4.89E-04	-2.27E-05	3.31E-04
1.98E+02	6.02E-04	-8.87E-05	2.93E-04
1.98E+02	6.69E-04	-1.35E-04	2.44E-04
1.98E+02	7.30E-04	-1.83E-04	1.66E-04
1.98E+02	8.03E-04	-1.84E-04	1.88E-04
1.98E+02	8.79E-04	-1.75E-04	2.24E-04
1.98E+02	9.51E-04	-2.04E-04	1.89E-04
1.98E+02	9.57E-04	-2.36E-04	1.78E-04
1.98E+02	9.58E-04	-2.66E-04	1.32E-04
1.98E+02	9.77E-04	-2.55E-04	7.15E-05
1.98E+02	9.35E-04	-2.24E-04	-3.26E-05
1.98E+02	8.81E-04	-2.28E-04	-2.37E-04
1.98E+02	8.29E-04	-2.25E-04	-3.88E-04
1.98E+02	7.27E-04	-2.35E-04	-5.22E-04
1.98E+02	6.03E-04	-2.51E-04	-6.41E-04
1.98E+02	4.40E-04	-2.34E-04	-6.37E-04
1.98E+02	2.65E-04	-2.24E-04	-5.88E-04
1.98E+02	1.46E-04	-2.20E-04	-4.55E-04
1.98E+02	2.52E-05	-2.35E-04	-2.37E-04

1.98E+02	-8.28E-05	-2.85E-04	-3.70E-05
1.98E+02	-1.26E-04	-3.28E-04	1.93E-04
1.98E+02	-1.18E-04	-3.86E-04	3.76E-04
1.98E+02	-5.42E-05	-4.83E-04	4.00E-04
1.98E+02	1.24E-05	-5.72E-04	3.43E-04
1.98E+02	1.12E-04	-6.19E-04	2.45E-04
1.98E+02	2.95E-04	-5.98E-04	1.74E-04
1.98E+02	4.48E-04	-5.45E-04	1.38E-04
1.98E+02	5.58E-04	-5.38E-04	2.65E-05
1.98E+02	6.66E-04	-5.60E-04	-8.11E-05
1.98E+02	7.36E-04	-5.97E-04	-1.58E-04
1.98E+02	7.80E-04	-6.73E-04	-2.50E-04
1.98E+02	7.72E-04	-7.55E-04	-2.92E-04
1.98E+02	7.44E-04	-8.30E-04	-3.27E-04
1.98E+02	7.66E-04	-8.93E-04	-3.76E-04
1.98E+02	7.60E-04	-9.31E-04	-4.22E-04
1.98E+02	7.34E-04	-9.68E-04	-5.25E-04
1.98E+02	7.52E-04	-9.73E-04	-5.85E-04
1.98E+02	8.04E-04	-9.42E-04	-5.62E-04
1.98E+02	9.02E-04	-9.36E-04	-5.64E-04
1.98E+02	9.89E-04	-9.57E-04	-5.56E-04
1.98E+02	1.08E-03	-9.87E-04	-5.47E-04
1.98E+02	1.23E-03	-1.01E-03	-5.47E-04
1.98E+02	1.33E-03	-1.02E-03	-5.31E-04
1.98E+02	1.37E-03	-1.05E-03	-5.72E-04
1.98E+02	1.40E-03	-1.07E-03	-5.93E-04
1.98E+02	1.40E-03	-1.04E-03	-5.34E-04
1.98E+02	1.36E-03	-9.93E-04	-4.99E-04
1.98E+02	1.26E-03	-9.44E-04	-4.58E-04
1.98E+02	1.12E-03	-8.75E-04	-4.02E-04
1.98E+02	1.02E-03	-8.17E-04	-3.71E-04
1.98E+02	9.16E-04	-7.55E-04	-3.12E-04
1.98E+02	8.06E-04	-7.45E-04	-2.73E-04
1.98E+02	7.37E-04	-7.56E-04	-1.90E-04
1.98E+02	7.10E-04	-7.32E-04	-2.14E-05
1.98E+02	7.19E-04	-7.51E-04	7.88E-05
1.99E+02	7.27E-04	-7.88E-04	1.68E-04
1.99E+02	7.26E-04	-7.98E-04	3.26E-04
1.99E+02	7.76E-04	-7.76E-04	5.00E-04
1.99E+02	8.17E-04	-7.14E-04	6.67E-04
1.99E+02	8.09E-04	-6.65E-04	7.18E-04
1.99E+02	8.09E-04	-6.09E-04	6.71E-04
1.99E+02	8.18E-04	-5.02E-04	6.46E-04
1.99E+02	8.34E-04	-3.94E-04	5.63E-04
1.99E+02	8.23E-04	-3.07E-04	4.00E-04
1.99E+02	7.84E-04	-2.32E-04	2.18E-04
1.99E+02	8.19E-04	-1.86E-04	6.10E-06

1.99E+02	9.10E-04	-1.64E-04	-1.49E-04
1.99E+02	9.84E-04	-2.06E-04	-2.71E-04
1.99E+02	1.07E-03	-3.00E-04	-3.86E-04
1.99E+02	1.14E-03	-3.90E-04	-4.49E-04
1.99E+02	1.17E-03	-5.14E-04	-5.95E-04
1.99E+02	1.14E-03	-6.52E-04	-7.93E-04
1.99E+02	1.02E-03	-7.45E-04	-9.26E-04
1.99E+02	9.17E-04	-7.84E-04	-1.02E-03
1.99E+02	8.05E-04	-7.92E-04	-1.04E-03
1.99E+02	6.29E-04	-8.27E-04	-9.87E-04
1.99E+02	4.80E-04	-8.93E-04	-8.84E-04
1.99E+02	3.60E-04	-9.53E-04	-6.44E-04
1.99E+02	2.83E-04	-1.02E-03	-3.75E-04
1.99E+02	2.44E-04	-1.07E-03	-1.65E-04
1.99E+02	1.87E-04	-1.09E-03	-1.96E-05
1.99E+02	2.04E-04	-1.05E-03	1.68E-05
1.99E+02	3.02E-04	-9.33E-04	1.11E-05
1.99E+02	3.90E-04	-7.94E-04	-6.10E-06
1.99E+02	4.79E-04	-6.76E-04	-2.04E-05
1.99E+02	5.69E-04	-5.50E-04	8.43E-05
1.99E+02	6.55E-04	-4.72E-04	2.11E-04
1.99E+02	7.06E-04	-4.53E-04	2.15E-04
1.99E+02	6.67E-04	-4.61E-04	1.27E-04
1.99E+02	6.13E-04	-4.89E-04	-5.32E-05
1.99E+02	5.63E-04	-4.89E-04	-2.63E-04
1.99E+02	4.62E-04	-5.01E-04	-4.82E-04
1.99E+02	3.65E-04	-5.46E-04	-7.45E-04
1.99E+02	3.08E-04	-5.49E-04	-9.40E-04
1.99E+02	2.96E-04	-5.30E-04	-1.07E-03
1.99E+02	3.15E-04	-5.12E-04	-1.21E-03
1.99E+02	3.18E-04	-4.71E-04	-1.29E-03
1.99E+02	3.65E-04	-4.09E-04	-1.36E-03
1.99E+02	4.75E-04	-3.35E-04	-1.40E-03
1.99E+02	5.55E-04	-2.78E-04	-1.38E-03
1.99E+02	6.19E-04	-2.78E-04	-1.31E-03
1.99E+02	6.76E-04	-3.07E-04	-1.13E-03
1.99E+02	7.11E-04	-3.66E-04	-9.13E-04
1.99E+02	7.47E-04	-4.80E-04	-8.23E-04
1.99E+02	7.26E-04	-5.99E-04	-7.43E-04
1.99E+02	7.07E-04	-6.96E-04	-6.94E-04
1.99E+02	7.54E-04	-7.31E-04	-6.98E-04
1.99E+02	7.72E-04	-7.16E-04	-7.32E-04
1.99E+02	7.74E-04	-7.20E-04	-8.56E-04
1.99E+02	7.84E-04	-6.94E-04	-9.24E-04
1.99E+02	7.80E-04	-6.42E-04	-9.10E-04
1.99E+02	7.79E-04	-6.15E-04	-9.23E-04
1.99E+02	7.24E-04	-5.86E-04	-8.83E-04

1.99E+02	6.48E-04	-5.77E-04	-8.22E-04
1.99E+02	6.20E-04	-5.91E-04	-7.56E-04
1.99E+02	5.67E-04	-6.03E-04	-6.77E-04
1.99E+02	4.71E-04	-6.57E-04	-6.99E-04
1.99E+02	3.71E-04	-7.07E-04	-7.27E-04
1.99E+02	2.58E-04	-7.44E-04	-7.25E-04
1.99E+02	1.50E-04	-8.16E-04	-7.95E-04
1.99E+02	2.00E-05	-8.67E-04	-8.35E-04
1.99E+02	-1.03E-04	-8.56E-04	-7.92E-04
1.99E+02	-1.10E-04	-7.66E-04	-6.62E-04
1.99E+02	-7.71E-05	-6.20E-04	-4.71E-04
1.99E+02	-7.25E-06	-4.66E-04	-3.16E-04
1.99E+02	1.54E-04	-2.86E-04	-1.62E-04
1.99E+02	3.19E-04	-1.20E-04	-3.30E-05
1.99E+02	4.93E-04	-1.22E-05	-1.32E-05
1.99E+02	6.05E-04	4.58E-05	-5.70E-05
1.99E+02	6.11E-04	5.44E-05	-1.73E-04
1.99E+02	6.00E-04	5.32E-05	-3.39E-04
1.99E+02	5.08E-04	6.45E-05	-4.44E-04
1.99E+02	3.19E-04	5.38E-05	-5.11E-04
1.99E+02	9.23E-05	3.99E-05	-5.10E-04
1.99E+02	-1.74E-04	2.46E-05	-4.13E-04
1.99E+02	-4.29E-04	-2.44E-05	-3.59E-04
1.99E+02	-6.88E-04	-9.61E-05	-3.45E-04
1.99E+02	-9.54E-04	-1.72E-04	-3.62E-04
1.99E+02	-1.11E-03	-2.13E-04	-4.31E-04
1.99E+02	-1.18E-03	-2.15E-04	-4.69E-04
1.99E+02	-1.23E-03	-2.12E-04	-5.46E-04
1.99E+02	-1.19E-03	-1.94E-04	-6.22E-04
1.99E+02	-1.07E-03	-1.53E-04	-5.62E-04
1.99E+02	-9.19E-04	-1.23E-04	-4.61E-04
1.99E+02	-7.71E-04	-1.06E-04	-3.48E-04
1.99E+02	-6.75E-04	-9.86E-05	-2.61E-04
1.99E+02	-5.42E-04	-9.31E-05	-2.72E-04
1.99E+02	-3.70E-04	-4.33E-05	-2.83E-04
1.99E+02	-2.41E-04	-9.54E-07	-3.45E-04
1.99E+02	-8.87E-05	2.54E-05	-4.47E-04
1.99E+02	1.11E-04	8.89E-05	-4.48E-04
1.99E+02	3.20E-04	1.09E-04	-4.37E-04
1.99E+02	5.00E-04	7.82E-05	-4.26E-04
1.99E+02	5.83E-04	2.46E-05	-3.71E-04
1.99E+02	6.39E-04	-2.78E-05	-3.07E-04
1.99E+02	6.43E-04	-7.44E-06	-1.69E-04
1.99E+02	5.18E-04	2.73E-05	-4.33E-05
1.99E+02	3.47E-04	6.37E-05	3.55E-05
1.99E+02	1.53E-04	1.65E-04	2.15E-04
1.99E+02	-4.48E-05	2.65E-04	4.06E-04

1.99E+02	-2.22E-04	3.37E-04	5.99E-04
1.99E+02	-3.96E-04	3.95E-04	8.29E-04
1.99E+02	-4.94E-04	4.13E-04	9.78E-04
1.99E+02	-4.87E-04	4.18E-04	1.10E-03
1.99E+02	-4.40E-04	3.82E-04	1.13E-03
1.99E+02	-3.46E-04	2.80E-04	1.00E-03
1.99E+02	-1.94E-04	1.85E-04	9.02E-04
1.99E+02	-1.14E-06	9.63E-05	7.52E-04
1.99E+02	2.20E-04	-1.28E-05	5.22E-04
1.99E+02	4.09E-04	-1.08E-04	3.20E-04
1.99E+02	6.05E-04	-1.70E-04	8.98E-05
1.99E+02	8.39E-04	-1.87E-04	-1.19E-04
1.99E+02	1.01E-03	-1.94E-04	-3.21E-04
1.99E+02	1.11E-03	-2.21E-04	-5.48E-04
1.99E+02	1.19E-03	-2.42E-04	-6.72E-04
1.99E+02	1.22E-03	-2.77E-04	-7.14E-04
1.99E+02	1.20E-03	-3.47E-04	-7.22E-04
1.99E+02	1.09E-03	-4.49E-04	-6.77E-04
1.99E+02	9.36E-04	-5.54E-04	-5.57E-04
1.99E+02	8.26E-04	-6.35E-04	-3.72E-04
1.99E+02	6.57E-04	-7.20E-04	-2.03E-04
1.99E+02	4.62E-04	-8.02E-04	-4.56E-05
1.99E+02	3.03E-04	-8.16E-04	1.85E-04
1.99E+02	1.66E-04	-7.69E-04	4.18E-04
1.99E+02	6.14E-05	-7.15E-04	5.32E-04
1.99E+02	-6.64E-05	-6.60E-04	5.79E-04
1.99E+02	-1.79E-04	-6.19E-04	5.60E-04
1.99E+02	-2.08E-04	-5.97E-04	4.92E-04
1.99E+02	-2.31E-04	-6.05E-04	4.09E-04
1.99E+02	-2.49E-04	-6.81E-04	2.41E-04
1.99E+02	-1.95E-04	-7.56E-04	9.50E-05
1.99E+02	-9.46E-05	-7.92E-04	3.81E-07
1.99E+02	1.89E-05	-8.16E-04	-1.25E-04
1.99E+02	1.01E-04	-7.74E-04	-1.92E-04
1.99E+02	1.33E-04	-7.02E-04	-2.70E-04
1.99E+02	1.71E-04	-6.05E-04	-3.86E-04
1.99E+02	1.66E-04	-4.66E-04	-4.52E-04
1.99E+02	9.77E-05	-3.52E-04	-5.32E-04
1.99E+02	3.51E-05	-2.30E-04	-5.28E-04
1.99E+02	-2.46E-05	-8.87E-05	-3.94E-04
1.99E+02	-7.11E-05	3.72E-05	-2.49E-04
1.99E+02	-1.45E-04	1.69E-04	-6.20E-05
1.99E+02	-2.31E-04	3.04E-04	1.52E-04
1.99E+02	-2.47E-04	4.54E-04	3.95E-04
1.99E+02	-2.72E-04	6.00E-04	6.34E-04
1.99E+02	-3.24E-04	6.79E-04	7.31E-04
1.99E+02	-3.53E-04	7.27E-04	7.62E-04

1.99E+02	-3.77E-04	7.85E-04	8.08E-04
1.99E+02	-4.02E-04	8.38E-04	8.30E-04
1.99E+02	-4.55E-04	9.11E-04	8.74E-04
1.99E+02	-5.25E-04	9.94E-04	9.35E-04
1.99E+02	-5.53E-04	1.07E-03	9.77E-04
1.99E+02	-5.86E-04	1.12E-03	9.65E-04
1.99E+02	-6.65E-04	1.12E-03	8.22E-04
1.99E+02	-7.25E-04	1.10E-03	6.06E-04
1.99E+02	-7.79E-04	1.09E-03	3.71E-04
1.99E+02	-8.17E-04	1.10E-03	9.54E-05
1.99E+02	-8.44E-04	1.11E-03	-1.45E-04
1.99E+02	-9.12E-04	1.13E-03	-3.27E-04
1.99E+02	-9.40E-04	1.17E-03	-4.70E-04
1.99E+02	-9.46E-04	1.21E-03	-5.64E-04
1.99E+02	-1.00E-03	1.19E-03	-7.03E-04
1.99E+02	-1.04E-03	1.14E-03	-8.36E-04
1.99E+02	-1.07E-03	1.10E-03	-8.49E-04
1.99E+02	-1.10E-03	1.03E-03	-8.51E-04
1.99E+02	-1.16E-03	9.56E-04	-8.49E-04
1.99E+02	-1.26E-03	9.01E-04	-7.73E-04
1.99E+02	-1.32E-03	8.89E-04	-6.51E-04
1.99E+02	-1.32E-03	9.51E-04	-4.72E-04
1.99E+02	-1.33E-03	1.04E-03	-2.88E-04
1.99E+02	-1.27E-03	1.15E-03	-1.00E-04
1.99E+02	-1.15E-03	1.28E-03	1.84E-04
1.99E+02	-9.82E-04	1.38E-03	4.47E-04
1.99E+02	-8.14E-04	1.38E-03	5.93E-04
1.99E+02	-6.94E-04	1.33E-03	7.07E-04
1.99E+02	-5.50E-04	1.24E-03	7.99E-04
1.99E+02	-4.07E-04	1.13E-03	8.88E-04
1.99E+02	-3.38E-04	9.75E-04	9.19E-04
1.99E+02	-2.99E-04	7.96E-04	8.47E-04
1.99E+02	-2.76E-04	6.53E-04	7.73E-04
1.99E+02	-2.78E-04	5.40E-04	6.17E-04
1.99E+02	-3.23E-04	4.37E-04	3.44E-04
1.99E+02	-4.27E-04	3.60E-04	5.66E-05
1.99E+02	-4.93E-04	3.01E-04	-2.25E-04
1.99E+02	-5.04E-04	2.50E-04	-3.91E-04
1.99E+02	-5.38E-04	1.63E-04	-4.30E-04
1.99E+02	-5.50E-04	2.80E-05	-4.13E-04
1.99E+02	-5.08E-04	-9.33E-05	-2.82E-04
1.99E+02	-4.33E-04	-1.92E-04	-1.51E-04
1.99E+02	-3.37E-04	-2.76E-04	-8.49E-05
1.99E+02	-2.71E-04	-3.04E-04	2.37E-05
1.99E+02	-2.15E-04	-2.69E-04	1.36E-04
1.99E+02	-1.38E-04	-1.59E-04	2.82E-04
1.99E+02	-1.20E-04	-9.54E-07	4.55E-04

1.99E+02	-1.51E-04	1.35E-04	5.86E-04
2.00E+02	-1.83E-04	2.72E-04	7.76E-04
2.00E+02	-2.50E-04	4.12E-04	9.81E-04
2.00E+02	-3.43E-04	5.24E-04	1.07E-03
2.00E+02	-4.78E-04	6.38E-04	1.06E-03
2.00E+02	-5.81E-04	7.59E-04	9.40E-04
2.00E+02	-5.76E-04	8.75E-04	7.54E-04
2.00E+02	-5.63E-04	9.72E-04	5.46E-04
2.00E+02	-5.44E-04	1.00E-03	2.82E-04
2.00E+02	-4.89E-04	1.01E-03	6.37E-05
2.00E+02	-4.33E-04	1.01E-03	-1.17E-04
2.00E+02	-3.80E-04	9.47E-04	-3.44E-04
2.00E+02	-3.94E-04	8.63E-04	-4.98E-04
2.00E+02	-4.51E-04	7.66E-04	-5.66E-04
2.00E+02	-4.93E-04	6.84E-04	-5.26E-04
2.00E+02	-5.93E-04	6.14E-04	-3.68E-04
2.00E+02	-7.38E-04	5.06E-04	-2.33E-04
2.00E+02	-8.53E-04	4.13E-04	-5.32E-05
2.00E+02	-9.32E-04	3.19E-04	1.66E-04
2.00E+02	-9.67E-04	1.92E-04	3.01E-04
2.00E+02	-9.88E-04	7.36E-05	4.47E-04
2.00E+02	-9.89E-04	-3.38E-05	5.67E-04
2.00E+02	-9.04E-04	-1.23E-04	6.10E-04
2.00E+02	-8.10E-04	-2.04E-04	6.41E-04
2.00E+02	-7.48E-04	-3.06E-04	5.92E-04
2.00E+02	-6.78E-04	-3.69E-04	5.12E-04
2.00E+02	-6.14E-04	-3.84E-04	4.39E-04
2.00E+02	-5.39E-04	-3.93E-04	3.17E-04
2.00E+02	-5.04E-04	-3.67E-04	2.67E-04
2.00E+02	-5.20E-04	-3.26E-04	2.66E-04
2.00E+02	-4.81E-04	-2.47E-04	3.12E-04
2.00E+02	-4.45E-04	-1.22E-04	4.75E-04
2.00E+02	-4.66E-04	-3.83E-05	5.31E-04
2.00E+02	-4.70E-04	4.60E-05	5.03E-04
2.00E+02	-4.51E-04	1.77E-04	5.15E-04
2.00E+02	-4.18E-04	3.19E-04	4.98E-04
2.00E+02	-4.20E-04	4.73E-04	4.90E-04
2.00E+02	-4.60E-04	6.26E-04	4.96E-04
2.00E+02	-4.81E-04	7.63E-04	5.13E-04
2.00E+02	-5.39E-04	8.81E-04	5.63E-04
2.00E+02	-6.68E-04	9.24E-04	5.29E-04
2.00E+02	-8.09E-04	9.14E-04	4.48E-04
2.00E+02	-9.38E-04	9.24E-04	4.10E-04
2.00E+02	-1.04E-03	9.29E-04	3.17E-04
2.00E+02	-1.16E-03	9.27E-04	2.15E-04
2.00E+02	-1.28E-03	9.43E-04	1.63E-04
2.00E+02	-1.33E-03	1.01E-03	1.58E-04

2.00E+02	-1.37E-03	1.09E-03	2.20E-04
2.00E+02	-1.45E-03	1.12E-03	2.42E-04
2.00E+02	-1.48E-03	1.14E-03	2.59E-04
2.00E+02	-1.48E-03	1.18E-03	3.45E-04
2.00E+02	-1.43E-03	1.22E-03	3.94E-04
2.00E+02	-1.35E-03	1.24E-03	4.42E-04
2.00E+02	-1.30E-03	1.27E-03	5.23E-04
2.00E+02	-1.19E-03	1.29E-03	5.75E-04
2.00E+02	-1.06E-03	1.33E-03	6.40E-04
2.00E+02	-9.61E-04	1.33E-03	6.54E-04
2.00E+02	-8.43E-04	1.30E-03	5.87E-04
2.00E+02	-7.02E-04	1.28E-03	5.37E-04
2.00E+02	-5.29E-04	1.23E-03	4.38E-04
2.00E+02	-3.51E-04	1.16E-03	2.94E-04
2.00E+02	-2.35E-04	1.11E-03	1.84E-04
2.00E+02	-1.17E-04	1.07E-03	1.01E-04
2.00E+02	-1.01E-05	1.07E-03	6.81E-05
2.00E+02	4.20E-06	1.05E-03	-2.90E-05
2.00E+02	-1.43E-05	1.02E-03	-2.22E-04
2.00E+02	-5.57E-05	1.02E-03	-3.49E-04
2.00E+02	-1.11E-04	1.02E-03	-4.67E-04
2.00E+02	-1.92E-04	1.01E-03	-5.63E-04
2.00E+02	-3.56E-04	9.67E-04	-5.19E-04
2.00E+02	-4.91E-04	8.84E-04	-4.09E-04
2.00E+02	-5.97E-04	7.75E-04	-2.42E-04
2.00E+02	-7.45E-04	6.19E-04	-6.71E-05
2.00E+02	-8.54E-04	4.37E-04	6.98E-05
2.00E+02	-9.08E-04	2.98E-04	2.29E-04
2.00E+02	-8.96E-04	1.84E-04	3.01E-04
2.00E+02	-8.19E-04	1.15E-04	2.85E-04
2.00E+02	-7.42E-04	1.18E-04	2.70E-04
2.00E+02	-6.13E-04	1.77E-04	2.17E-04
2.00E+02	-4.20E-04	2.97E-04	1.98E-04
2.00E+02	-2.55E-04	4.23E-04	1.79E-04
2.00E+02	-1.29E-04	4.98E-04	9.77E-05
2.00E+02	-7.82E-06	5.63E-04	5.05E-05
2.00E+02	9.98E-05	6.35E-04	-5.72E-07
2.00E+02	1.74E-04	6.99E-04	-9.23E-05
2.00E+02	1.75E-04	7.56E-04	-1.77E-04
2.00E+02	1.54E-04	7.97E-04	-2.45E-04
2.00E+02	1.54E-04	8.16E-04	-2.40E-04
2.00E+02	1.01E-04	7.86E-04	-1.95E-04
2.00E+02	1.81E-05	6.91E-04	-1.55E-04
2.00E+02	-6.87E-05	5.87E-04	-2.77E-05
2.00E+02	-1.46E-04	5.01E-04	1.61E-04
2.00E+02	-1.97E-04	4.48E-04	2.95E-04
2.00E+02	-3.10E-04	4.42E-04	3.64E-04

2.00E+02	-4.36E-04	4.85E-04	3.53E-04
2.00E+02	-5.08E-04	5.98E-04	3.09E-04
2.00E+02	-6.12E-04	7.10E-04	2.18E-04
2.00E+02	-7.44E-04	7.49E-04	3.34E-05
2.00E+02	-8.52E-04	7.83E-04	-8.62E-05
2.00E+02	-9.34E-04	8.27E-04	-1.51E-04
2.00E+02	-9.86E-04	8.43E-04	-2.92E-04
2.00E+02	-1.04E-03	8.75E-04	-4.51E-04
2.00E+02	-1.07E-03	9.38E-04	-6.08E-04
2.00E+02	-9.79E-04	1.03E-03	-7.17E-04
2.00E+02	-8.53E-04	1.15E-03	-7.35E-04
2.00E+02	-7.26E-04	1.23E-03	-7.44E-04
2.00E+02	-5.72E-04	1.30E-03	-6.67E-04
2.00E+02	-4.41E-04	1.38E-03	-4.87E-04
2.00E+02	-3.46E-04	1.43E-03	-3.73E-04
2.00E+02	-3.17E-04	1.46E-03	-2.82E-04
2.00E+02	-3.71E-04	1.48E-03	-1.91E-04
2.00E+02	-4.47E-04	1.50E-03	-9.33E-05
2.00E+02	-5.60E-04	1.54E-03	9.19E-05
2.00E+02	-7.33E-04	1.52E-03	2.06E-04
2.00E+02	-9.07E-04	1.46E-03	2.74E-04
2.00E+02	-1.06E-03	1.42E-03	3.92E-04
2.00E+02	-1.16E-03	1.35E-03	4.09E-04
2.00E+02	-1.23E-03	1.25E-03	3.98E-04
2.00E+02	-1.28E-03	1.14E-03	4.01E-04
2.00E+02	-1.18E-03	1.03E-03	3.68E-04
2.00E+02	-1.01E-03	9.26E-04	3.78E-04
2.00E+02	-8.25E-04	7.91E-04	3.54E-04
2.00E+02	-5.91E-04	6.39E-04	3.10E-04
2.00E+02	-3.27E-04	5.29E-04	3.26E-04
2.00E+02	-3.74E-05	4.47E-04	3.08E-04
2.00E+02	2.27E-04	3.89E-04	3.04E-04
2.00E+02	4.26E-04	3.68E-04	3.38E-04
2.00E+02	6.33E-04	3.92E-04	3.67E-04
2.00E+02	8.01E-04	4.41E-04	4.46E-04
2.00E+02	8.82E-04	4.56E-04	4.72E-04
2.00E+02	9.30E-04	4.35E-04	4.46E-04
2.00E+02	9.46E-04	4.04E-04	4.67E-04
2.00E+02	9.64E-04	3.73E-04	4.50E-04
2.00E+02	9.81E-04	3.53E-04	4.04E-04
2.00E+02	9.77E-04	3.52E-04	3.75E-04
2.00E+02	1.06E-03	3.89E-04	3.45E-04
2.00E+02	1.20E-03	4.60E-04	3.46E-04
2.00E+02	1.31E-03	5.40E-04	3.12E-04
2.00E+02	1.41E-03	6.36E-04	1.90E-04
2.00E+02	1.47E-03	7.60E-04	4.92E-05
2.00E+02	1.49E-03	8.87E-04	-1.48E-04

2.00E+02	1.45E-03	1.01E-03	-3.80E-04
2.00E+02	1.28E-03	1.12E-03	-5.28E-04
2.00E+02	1.07E-03	1.23E-03	-6.11E-04
2.00E+02	8.41E-04	1.34E-03	-5.76E-04
2.00E+02	5.33E-04	1.38E-03	-4.84E-04
2.00E+02	2.29E-04	1.34E-03	-4.29E-04
2.00E+02	-4.65E-05	1.26E-03	-3.01E-04
2.00E+02	-2.65E-04	1.16E-03	-1.92E-04
2.00E+02	-4.09E-04	1.01E-03	-1.42E-04
2.00E+02	-5.10E-04	8.68E-04	-5.47E-05
2.00E+02	-4.87E-04	7.29E-04	2.50E-05
2.00E+02	-3.55E-04	6.13E-04	1.87E-04
2.00E+02	-2.21E-04	5.11E-04	4.23E-04
2.00E+02	-8.95E-05	3.82E-04	5.92E-04
2.00E+02	3.11E-05	2.96E-04	7.84E-04
2.00E+02	1.37E-04	2.53E-04	9.00E-04
2.00E+02	2.19E-04	2.04E-04	8.43E-04
2.00E+02	2.38E-04	1.96E-04	7.60E-04
2.00E+02	2.45E-04	2.26E-04	6.06E-04
2.00E+02	2.80E-04	3.14E-04	4.13E-04
2.00E+02	2.92E-04	4.27E-04	2.07E-04
2.00E+02	3.11E-04	5.05E-04	-6.62E-05
2.00E+02	3.87E-04	5.87E-04	-2.57E-04
2.00E+02	5.00E-04	6.25E-04	-3.99E-04
2.00E+02	6.27E-04	5.93E-04	-5.82E-04
2.00E+02	7.12E-04	5.11E-04	-7.36E-04
2.00E+02	7.91E-04	3.78E-04	-8.76E-04
2.00E+02	9.14E-04	2.58E-04	-9.19E-04
2.00E+02	9.84E-04	1.59E-04	-8.18E-04
2.00E+02	1.00E-03	4.86E-05	-6.63E-04
2.00E+02	9.85E-04	-3.81E-05	-4.00E-04
2.00E+02	9.14E-04	-1.23E-04	-1.07E-04
2.00E+02	8.18E-04	-2.42E-04	9.50E-05
2.00E+02	6.33E-04	-3.73E-04	2.82E-04
2.00E+02	4.01E-04	-5.06E-04	4.12E-04
2.00E+02	2.18E-04	-6.02E-04	5.24E-04
2.00E+02	1.81E-05	-6.54E-04	6.56E-04
2.00E+02	-1.59E-04	-7.32E-04	7.02E-04
2.00E+02	-2.57E-04	-7.95E-04	7.93E-04
2.00E+02	-3.03E-04	-8.29E-04	9.53E-04
2.00E+02	-3.06E-04	-8.85E-04	1.02E-03
2.00E+02	-3.44E-04	-9.29E-04	1.00E-03
2.00E+02	-4.07E-04	-9.44E-04	8.93E-04
2.00E+02	-4.22E-04	-9.16E-04	7.44E-04
2.00E+02	-4.49E-04	-8.25E-04	6.25E-04
2.00E+02	-5.33E-04	-7.18E-04	4.38E-04
2.00E+02	-6.36E-04	-5.61E-04	2.64E-04

2.00E+02	-7.44E-04	-3.31E-04	1.82E-04
2.00E+02	-8.59E-04	-1.11E-04	6.52E-05
2.00E+02	-9.82E-04	9.98E-05	7.06E-06
2.00E+02	-1.10E-03	3.00E-04	3.15E-05
2.00E+02	-1.14E-03	4.61E-04	5.87E-05
2.00E+02	-1.14E-03	5.99E-04	1.25E-04
2.00E+02	-1.15E-03	6.83E-04	1.34E-04
2.00E+02	-1.09E-03	7.56E-04	1.55E-04
2.00E+02	-9.77E-04	8.56E-04	2.83E-04
2.00E+02	-8.32E-04	9.47E-04	3.78E-04
2.00E+02	-6.86E-04	1.04E-03	4.78E-04
2.00E+02	-5.52E-04	1.09E-03	5.87E-04
2.00E+02	-3.40E-04	1.10E-03	6.28E-04
2.01E+02	-1.19E-04	1.06E-03	6.64E-04
2.01E+02	3.70E-05	9.06E-04	6.26E-04
2.01E+02	1.82E-04	6.81E-04	5.50E-04
2.01E+02	2.75E-04	4.48E-04	5.13E-04
2.01E+02	3.14E-04	2.01E-04	3.61E-04
2.01E+02	3.07E-04	-1.81E-05	1.51E-04
2.01E+02	2.00E-04	-2.16E-04	-6.45E-05
2.01E+02	9.54E-05	-3.98E-04	-3.05E-04
2.01E+02	2.61E-05	-5.45E-04	-4.37E-04
2.01E+02	-8.35E-05	-7.10E-04	-5.33E-04
2.01E+02	-1.65E-04	-8.87E-04	-5.85E-04
2.01E+02	-2.08E-04	-1.02E-03	-4.78E-04
2.01E+02	-2.12E-04	-1.12E-03	-3.55E-04
2.01E+02	-1.80E-04	-1.19E-03	-2.62E-04
2.01E+02	-1.79E-04	-1.22E-03	-1.65E-04
2.01E+02	-1.13E-04	-1.20E-03	-1.09E-04
2.01E+02	1.22E-05	-1.12E-03	1.34E-06
2.01E+02	8.20E-05	-1.02E-03	1.14E-04
2.01E+02	1.54E-04	-9.23E-04	1.55E-04
2.01E+02	2.22E-04	-8.15E-04	2.58E-04
2.01E+02	2.71E-04	-7.25E-04	3.23E-04
2.01E+02	3.09E-04	-6.83E-04	2.92E-04
2.01E+02	2.77E-04	-6.52E-04	2.61E-04
2.01E+02	2.48E-04	-6.00E-04	2.06E-04
2.01E+02	2.40E-04	-5.16E-04	1.92E-04
2.01E+02	1.71E-04	-4.38E-04	1.75E-04
2.01E+02	9.08E-05	-4.10E-04	9.86E-05
2.01E+02	1.39E-05	-3.90E-04	1.01E-04
2.01E+02	-6.54E-05	-3.94E-04	1.32E-04
2.01E+02	-1.42E-04	-4.62E-04	1.31E-04
2.01E+02	-2.64E-04	-5.54E-04	1.35E-04
2.01E+02	-3.32E-04	-6.56E-04	9.52E-05
2.01E+02	-3.13E-04	-7.29E-04	8.24E-05
2.01E+02	-3.01E-04	-7.72E-04	1.13E-04

2.01E+02	-2.66E-04	-8.14E-04	1.03E-04
2.01E+02	-2.19E-04	-8.01E-04	1.40E-04
2.01E+02	-1.75E-04	-7.51E-04	1.69E-04
2.01E+02	-1.27E-04	-6.99E-04	1.17E-04
2.01E+02	-1.56E-04	-6.25E-04	7.63E-05
2.01E+02	-1.99E-04	-5.49E-04	4.01E-06
2.01E+02	-2.20E-04	-4.35E-04	-5.72E-05
2.01E+02	-3.06E-04	-3.11E-04	-7.44E-05
2.01E+02	-4.03E-04	-2.40E-04	-1.39E-04
2.01E+02	-4.81E-04	-1.68E-04	-1.51E-04
2.01E+02	-5.46E-04	-8.56E-05	-1.15E-04
2.01E+02	-5.75E-04	-2.10E-05	-8.47E-05
2.01E+02	-6.30E-04	4.06E-05	8.39E-06
2.01E+02	-6.64E-04	8.98E-05	9.65E-05
2.01E+02	-6.37E-04	1.34E-04	1.58E-04
2.01E+02	-6.41E-04	1.87E-04	1.76E-04
2.01E+02	-6.73E-04	2.03E-04	7.32E-05
2.01E+02	-7.06E-04	2.15E-04	5.91E-06
2.01E+02	-7.24E-04	2.67E-04	3.80E-05
2.01E+02	-7.16E-04	2.89E-04	5.17E-05
2.01E+02	-7.39E-04	2.85E-04	1.01E-04
2.01E+02	-7.49E-04	2.73E-04	1.78E-04
2.01E+02	-6.88E-04	2.37E-04	2.47E-04
2.01E+02	-6.14E-04	1.81E-04	3.31E-04
2.01E+02	-5.26E-04	7.13E-05	3.51E-04
2.01E+02	-3.99E-04	-4.27E-05	3.71E-04
2.01E+02	-2.52E-04	-1.40E-04	4.22E-04
2.01E+02	-9.29E-05	-2.52E-04	3.81E-04
2.01E+02	1.68E-05	-3.52E-04	3.05E-04
2.01E+02	7.57E-05	-4.60E-04	2.37E-04
2.01E+02	1.56E-04	-5.60E-04	1.84E-04
2.01E+02	1.63E-04	-6.52E-04	1.97E-04
2.01E+02	7.00E-05	-7.62E-04	2.05E-04
2.01E+02	-5.59E-05	-8.42E-04	2.42E-04
2.01E+02	-2.31E-04	-8.81E-04	3.64E-04
2.01E+02	-4.14E-04	-9.27E-04	4.38E-04
2.01E+02	-6.27E-04	-9.87E-04	4.81E-04
2.01E+02	-8.61E-04	-1.04E-03	4.96E-04
2.01E+02	-9.80E-04	-1.07E-03	4.26E-04
2.01E+02	-1.01E-03	-1.07E-03	3.46E-04
2.01E+02	-9.81E-04	-1.11E-03	2.24E-04
2.01E+02	-8.33E-04	-1.18E-03	1.19E-04
2.01E+02	-6.29E-04	-1.25E-03	1.16E-04
2.01E+02	-3.69E-04	-1.31E-03	8.07E-05
2.01E+02	-1.35E-04	-1.36E-03	-1.72E-06
2.01E+02	2.08E-05	-1.39E-03	-1.14E-04
2.01E+02	2.19E-04	-1.38E-03	-2.81E-04

2.01E+02	3.89E-04	-1.31E-03	-4.22E-04
2.01E+02	4.58E-04	-1.22E-03	-5.65E-04
2.01E+02	4.94E-04	-1.10E-03	-6.81E-04
2.01E+02	4.76E-04	-9.23E-04	-6.55E-04
2.01E+02	4.18E-04	-7.35E-04	-5.95E-04
2.01E+02	3.22E-04	-5.55E-04	-5.21E-04
2.01E+02	1.42E-04	-3.79E-04	-3.94E-04
2.01E+02	-1.54E-05	-2.25E-04	-2.79E-04
2.01E+02	-1.45E-04	-6.31E-05	-1.33E-04
2.01E+02	-3.23E-04	4.81E-05	-5.15E-05
2.01E+02	-4.81E-04	9.99E-05	-7.92E-05
2.01E+02	-6.13E-04	1.78E-04	-6.75E-05
2.01E+02	-7.19E-04	2.59E-04	-6.45E-05
2.01E+02	-8.08E-04	3.56E-04	-7.40E-05
2.01E+02	-9.35E-04	4.74E-04	-5.78E-05
2.01E+02	-9.98E-04	5.81E-04	-9.23E-05
2.01E+02	-9.82E-04	6.83E-04	-1.43E-04
2.01E+02	-9.66E-04	7.24E-04	-2.67E-04
2.01E+02	-9.04E-04	7.05E-04	-5.00E-04
2.01E+02	-7.93E-04	6.71E-04	-6.98E-04
2.01E+02	-6.28E-04	5.79E-04	-9.19E-04
2.01E+02	-4.29E-04	4.45E-04	-1.17E-03
2.01E+02	-2.86E-04	2.89E-04	-1.32E-03
2.01E+02	-1.34E-04	1.21E-04	-1.39E-03
2.01E+02	3.15E-05	-1.74E-05	-1.35E-03
2.01E+02	1.13E-04	-1.74E-04	-1.22E-03
2.01E+02	1.48E-04	-3.58E-04	-1.10E-03
2.01E+02	1.65E-04	-5.00E-04	-8.90E-04
2.01E+02	1.47E-04	-5.96E-04	-6.72E-04
2.01E+02	9.37E-05	-6.50E-04	-5.23E-04
2.01E+02	-2.40E-05	-6.58E-04	-3.92E-04
2.01E+02	-1.47E-04	-6.52E-04	-3.39E-04
2.01E+02	-1.99E-04	-6.03E-04	-2.46E-04
2.01E+02	-2.44E-04	-5.22E-04	-5.76E-05
2.01E+02	-2.99E-04	-4.90E-04	1.09E-04
2.01E+02	-3.27E-04	-4.69E-04	3.13E-04
2.01E+02	-3.53E-04	-4.62E-04	4.81E-04
2.01E+02	-3.57E-04	-4.85E-04	5.25E-04
2.01E+02	-3.93E-04	-4.85E-04	5.31E-04
2.01E+02	-4.41E-04	-4.70E-04	4.69E-04
2.01E+02	-4.24E-04	-4.00E-04	3.57E-04
2.01E+02	-4.29E-04	-2.83E-04	2.12E-04
2.01E+02	-4.33E-04	-1.95E-04	-2.94E-05
2.01E+02	-3.89E-04	-8.96E-05	-2.32E-04
2.01E+02	-3.37E-04	2.35E-05	-3.69E-04
2.01E+02	-2.77E-04	9.16E-05	-5.31E-04
2.01E+02	-2.72E-04	1.47E-04	-6.36E-04

2.01E+02	-3.09E-04	1.93E-04	-7.02E-04
2.01E+02	-3.12E-04	2.60E-04	-7.28E-04
2.01E+02	-3.38E-04	3.56E-04	-6.47E-04
2.01E+02	-4.13E-04	4.02E-04	-5.52E-04
2.01E+02	-4.91E-04	4.13E-04	-3.92E-04
2.01E+02	-5.33E-04	4.07E-04	-1.32E-04
2.01E+02	-5.22E-04	3.47E-04	9.35E-05
2.01E+02	-4.99E-04	2.59E-04	3.16E-04
2.01E+02	-4.46E-04	1.56E-04	4.99E-04
2.01E+02	-2.99E-04	7.78E-05	5.99E-04
2.01E+02	-1.21E-04	4.63E-05	6.45E-04
2.01E+02	6.50E-05	0.00E+00	5.67E-04
2.01E+02	2.88E-04	-2.88E-05	4.71E-04
2.01E+02	4.99E-04	-1.56E-05	4.20E-04
2.01E+02	6.79E-04	-2.50E-05	2.94E-04
2.01E+02	7.79E-04	-3.49E-05	1.74E-04
2.01E+02	7.93E-04	-2.44E-05	1.14E-04
2.01E+02	8.09E-04	-8.39E-06	9.71E-05
2.01E+02	7.84E-04	2.73E-05	1.75E-04
2.01E+02	6.82E-04	4.96E-05	2.33E-04
2.01E+02	5.79E-04	7.53E-05	2.66E-04
2.01E+02	4.84E-04	1.25E-04	3.43E-04
2.01E+02	4.43E-04	1.28E-04	3.40E-04
2.01E+02	4.29E-04	8.43E-05	3.27E-04
2.01E+02	3.84E-04	5.72E-07	3.37E-04
2.01E+02	4.16E-04	-1.22E-04	3.06E-04
2.01E+02	5.04E-04	-2.49E-04	2.98E-04
2.01E+02	5.66E-04	-4.32E-04	1.86E-04
2.01E+02	6.50E-04	-6.48E-04	-4.58E-06
2.01E+02	7.29E-04	-8.34E-04	-1.20E-04
2.01E+02	7.68E-04	-1.02E-03	-2.81E-04
2.01E+02	7.22E-04	-1.18E-03	-4.61E-04
2.01E+02	5.69E-04	-1.30E-03	-6.02E-04
2.01E+02	4.02E-04	-1.39E-03	-7.25E-04
2.01E+02	2.17E-04	-1.43E-03	-7.47E-04
2.01E+02	-1.79E-05	-1.48E-03	-7.45E-04
2.01E+02	-2.28E-04	-1.54E-03	-7.09E-04
2.01E+02	-3.89E-04	-1.55E-03	-5.30E-04
2.01E+02	-4.79E-04	-1.56E-03	-3.44E-04
2.01E+02	-5.04E-04	-1.56E-03	-1.72E-04
2.01E+02	-5.08E-04	-1.53E-03	2.38E-05
2.01E+02	-4.08E-04	-1.43E-03	1.73E-04
2.01E+02	-2.41E-04	-1.26E-03	3.00E-04
2.01E+02	-9.23E-05	-1.06E-03	3.58E-04
2.01E+02	7.31E-05	-8.44E-04	3.22E-04
2.01E+02	2.18E-04	-6.17E-04	3.06E-04
2.01E+02	3.21E-04	-4.19E-04	2.60E-04

2.01E+02	3.68E-04	-2.69E-04	1.52E-04
2.01E+02	3.16E-04	-1.62E-04	4.56E-05
2.01E+02	2.49E-04	-9.69E-05	-1.18E-04
2.01E+02	2.01E-04	-3.59E-05	-3.01E-04
2.01E+02	1.25E-04	2.10E-05	-4.79E-04
2.01E+02	8.39E-05	6.77E-05	-6.75E-04
2.01E+02	1.02E-04	1.54E-04	-7.48E-04
2.01E+02	1.74E-04	2.50E-04	-7.45E-04
2.01E+02	3.08E-04	3.13E-04	-7.34E-04
2.01E+02	4.30E-04	3.40E-04	-6.36E-04
2.01E+02	5.71E-04	3.24E-04	-5.12E-04
2.01E+02	7.43E-04	2.94E-04	-3.54E-04
2.01E+02	8.34E-04	2.35E-04	-1.91E-04
2.01E+02	8.58E-04	1.10E-04	-9.21E-05
2.01E+02	8.45E-04	-2.59E-05	6.69E-05
2.01E+02	7.68E-04	-1.56E-04	2.25E-04
2.01E+02	6.31E-04	-3.14E-04	2.60E-04
2.01E+02	4.22E-04	-4.70E-04	2.28E-04
2.01E+02	2.05E-04	-6.22E-04	1.25E-04
2.01E+02	8.18E-05	-7.68E-04	1.13E-05
2.01E+02	-7.44E-06	-9.11E-04	-9.42E-05
2.01E+02	-6.50E-05	-1.09E-03	-2.37E-04
2.01E+02	-2.54E-05	-1.25E-03	-3.05E-04
2.01E+02	8.24E-05	-1.39E-03	-3.33E-04
2.01E+02	2.55E-04	-1.56E-03	-4.01E-04
2.02E+02	4.33E-04	-1.71E-03	-4.24E-04
2.02E+02	6.11E-04	-1.83E-03	-4.27E-04
2.02E+02	8.26E-04	-1.89E-03	-4.05E-04
2.02E+02	9.82E-04	-1.88E-03	-3.56E-04
2.02E+02	1.08E-03	-1.86E-03	-3.80E-04
2.02E+02	1.19E-03	-1.79E-03	-3.68E-04
2.02E+02	1.28E-03	-1.68E-03	-2.96E-04
2.02E+02	1.37E-03	-1.57E-03	-2.60E-04
2.02E+02	1.42E-03	-1.47E-03	-1.81E-04
2.02E+02	1.45E-03	-1.39E-03	-1.28E-04
2.02E+02	1.52E-03	-1.33E-03	-1.41E-04
2.02E+02	1.57E-03	-1.26E-03	-1.39E-04
2.02E+02	1.57E-03	-1.23E-03	-1.90E-04
2.02E+02	1.57E-03	-1.20E-03	-2.01E-04
2.02E+02	1.53E-03	-1.14E-03	-1.47E-04
2.02E+02	1.48E-03	-1.08E-03	-1.71E-04
2.02E+02	1.38E-03	-9.97E-04	-1.68E-04
2.02E+02	1.21E-03	-8.89E-04	-1.19E-04
2.02E+02	1.06E-03	-7.40E-04	-7.92E-05
2.02E+02	9.17E-04	-5.39E-04	-3.26E-05
2.02E+02	7.45E-04	-3.54E-04	-8.43E-05
2.02E+02	6.15E-04	-1.88E-04	-1.59E-04

2.02E+02	5.36E-04	-1.45E-05	-1.59E-04
2.02E+02	5.12E-04	1.05E-04	-2.05E-04
2.02E+02	5.07E-04	1.96E-04	-2.45E-04
2.02E+02	5.21E-04	2.71E-04	-2.45E-04
2.02E+02	6.09E-04	2.88E-04	-2.66E-04
2.02E+02	7.10E-04	2.79E-04	-2.28E-04
2.02E+02	7.68E-04	2.27E-04	-2.05E-04
2.02E+02	8.14E-04	1.32E-04	-1.93E-04
2.02E+02	8.37E-04	4.14E-05	-8.98E-05
2.02E+02	8.31E-04	-7.84E-05	-2.48E-05
2.02E+02	7.85E-04	-2.01E-04	1.60E-05
2.02E+02	6.84E-04	-2.74E-04	7.90E-05
2.02E+02	6.11E-04	-2.99E-04	1.17E-04
2.02E+02	5.52E-04	-2.82E-04	1.83E-04
2.02E+02	4.52E-04	-2.98E-04	1.68E-04
2.02E+02	3.75E-04	-3.65E-04	7.42E-05
2.02E+02	3.36E-04	-4.04E-04	6.75E-05
2.02E+02	3.04E-04	-4.65E-04	7.48E-05
2.02E+02	2.59E-04	-5.52E-04	8.49E-05
2.02E+02	1.79E-04	-6.06E-04	1.27E-04
2.02E+02	1.26E-04	-6.78E-04	8.58E-05
2.02E+02	1.05E-04	-7.46E-04	3.34E-05
2.02E+02	6.60E-05	-8.25E-04	1.51E-05
2.02E+02	5.34E-05	-9.44E-04	-2.40E-05
2.02E+02	7.99E-05	-1.04E-03	9.73E-06
2.02E+02	1.40E-04	-1.15E-03	2.75E-05
2.02E+02	2.33E-04	-1.29E-03	-2.84E-05
2.02E+02	3.06E-04	-1.41E-03	-5.42E-05
2.02E+02	4.22E-04	-1.52E-03	-1.16E-04
2.02E+02	5.85E-04	-1.55E-03	-1.94E-04
2.02E+02	7.02E-04	-1.56E-03	-3.14E-04
2.02E+02	8.15E-04	-1.54E-03	-4.98E-04
2.02E+02	9.41E-04	-1.48E-03	-5.87E-04
2.02E+02	1.04E-03	-1.40E-03	-6.44E-04
2.02E+02	1.10E-03	-1.33E-03	-7.06E-04
2.02E+02	1.06E-03	-1.27E-03	-7.24E-04
2.02E+02	9.87E-04	-1.24E-03	-7.49E-04
2.02E+02	9.07E-04	-1.18E-03	-7.15E-04
2.02E+02	7.56E-04	-1.12E-03	-6.42E-04
2.02E+02	5.89E-04	-1.06E-03	-5.92E-04
2.02E+02	4.48E-04	-9.32E-04	-4.84E-04
2.02E+02	3.43E-04	-7.81E-04	-3.85E-04
2.02E+02	2.98E-04	-6.23E-04	-3.49E-04
2.02E+02	2.67E-04	-4.33E-04	-2.79E-04
2.02E+02	3.07E-04	-2.42E-04	-2.00E-04
2.02E+02	4.61E-04	-3.51E-05	-9.57E-05
2.02E+02	6.30E-04	1.49E-04	2.38E-05

2.02E+02	8.21E-04	2.60E-04	6.08E-05
2.02E+02	1.05E-03	3.54E-04	8.35E-05
2.02E+02	1.28E-03	4.34E-04	8.24E-05
2.02E+02	1.48E-03	5.00E-04	-3.43E-06
2.02E+02	1.60E-03	5.59E-04	-1.25E-04
2.02E+02	1.68E-03	6.02E-04	-3.00E-04
2.02E+02	1.76E-03	6.46E-04	-4.52E-04
2.02E+02	1.76E-03	6.61E-04	-5.25E-04
2.02E+02	1.69E-03	6.17E-04	-5.86E-04
2.02E+02	1.57E-03	5.50E-04	-5.40E-04
2.02E+02	1.40E-03	4.73E-04	-4.09E-04
2.02E+02	1.20E-03	3.76E-04	-3.23E-04
2.02E+02	9.48E-04	2.65E-04	-2.20E-04
2.02E+02	6.87E-04	1.46E-04	-1.28E-04
2.02E+02	5.07E-04	6.47E-05	-2.42E-05
2.02E+02	3.53E-04	8.58E-06	1.36E-04
2.02E+02	2.12E-04	-1.05E-04	1.98E-04
2.02E+02	1.22E-04	-2.11E-04	2.50E-04
2.02E+02	8.11E-05	-2.68E-04	3.56E-04
2.02E+02	6.90E-05	-3.48E-04	3.51E-04
2.02E+02	3.66E-05	-4.38E-04	2.65E-04
2.02E+02	2.67E-06	-5.23E-04	1.35E-04
2.02E+02	2.40E-05	-6.08E-04	-1.68E-05
2.02E+02	3.62E-05	-6.83E-04	-1.44E-04
2.02E+02	2.19E-05	-7.73E-04	-3.20E-04
2.02E+02	1.62E-05	-8.61E-04	-4.53E-04
2.02E+02	1.87E-05	-9.21E-04	-4.67E-04
2.02E+02	3.09E-05	-1.00E-03	-4.66E-04
2.02E+02	-6.48E-06	-1.09E-03	-4.39E-04
2.02E+02	-7.63E-05	-1.15E-03	-3.94E-04
2.02E+02	-9.42E-05	-1.16E-03	-3.33E-04
2.02E+02	-1.04E-04	-1.12E-03	-2.64E-04
2.02E+02	-1.31E-04	-1.10E-03	-3.08E-04
2.02E+02	-1.04E-04	-1.07E-03	-3.54E-04
2.02E+02	-5.04E-05	-9.93E-04	-3.19E-04
2.02E+02	1.41E-05	-9.37E-04	-2.94E-04
2.02E+02	9.67E-05	-8.55E-04	-2.01E-04
2.02E+02	1.61E-04	-7.66E-04	-7.00E-05
2.02E+02	2.77E-04	-7.03E-04	4.20E-06
2.02E+02	4.13E-04	-6.16E-04	1.06E-04
2.02E+02	5.01E-04	-5.52E-04	1.88E-04
2.02E+02	6.05E-04	-4.85E-04	2.58E-04
2.02E+02	7.04E-04	-3.66E-04	4.05E-04
2.02E+02	7.80E-04	-2.72E-04	4.99E-04
2.02E+02	8.12E-04	-2.13E-04	5.31E-04
2.02E+02	7.51E-04	-1.72E-04	5.49E-04
2.02E+02	6.77E-04	-1.35E-04	5.16E-04

2.02E+02	5.84E-04	-6.77E-05	4.83E-04
2.02E+02	4.39E-04	7.63E-07	3.92E-04
2.02E+02	3.34E-04	8.60E-05	2.46E-04
2.02E+02	2.70E-04	2.30E-04	1.74E-04
2.02E+02	2.35E-04	3.94E-04	9.80E-05
2.02E+02	2.03E-04	5.58E-04	-1.09E-05
2.02E+02	1.32E-04	6.98E-04	-1.20E-04
2.02E+02	1.08E-04	7.77E-04	-2.72E-04
2.02E+02	1.30E-04	8.21E-04	-3.85E-04
2.02E+02	1.42E-04	7.96E-04	-4.75E-04
2.02E+02	1.81E-04	7.01E-04	-5.48E-04
2.02E+02	2.54E-04	6.19E-04	-4.78E-04
2.02E+02	3.61E-04	5.18E-04	-3.82E-04
2.02E+02	4.49E-04	3.98E-04	-3.25E-04
2.02E+02	4.79E-04	3.07E-04	-2.46E-04
2.02E+02	4.95E-04	2.37E-04	-2.19E-04
2.02E+02	5.02E-04	2.11E-04	-1.86E-04
2.02E+02	4.61E-04	1.79E-04	-1.80E-04
2.02E+02	3.83E-04	8.14E-05	-2.86E-04
2.02E+02	2.99E-04	-3.32E-05	-3.29E-04
2.02E+02	2.35E-04	-1.61E-04	-2.73E-04
2.02E+02	1.92E-04	-3.20E-04	-1.93E-04
2.02E+02	1.08E-04	-5.04E-04	-7.38E-05
2.02E+02	3.99E-05	-6.92E-04	2.02E-05
2.02E+02	3.36E-05	-8.50E-04	7.80E-05
2.02E+02	-1.83E-05	-9.84E-04	8.89E-05
2.02E+02	-8.20E-05	-1.10E-03	3.07E-05
2.02E+02	-1.24E-04	-1.15E-03	3.09E-05
2.02E+02	-1.60E-04	-1.18E-03	7.17E-05
2.02E+02	-1.76E-04	-1.20E-03	1.10E-04
2.02E+02	-2.31E-04	-1.21E-03	2.40E-04
2.02E+02	-2.55E-04	-1.22E-03	4.07E-04
2.02E+02	-1.91E-04	-1.20E-03	5.78E-04
2.02E+02	-1.51E-04	-1.19E-03	6.71E-04
2.02E+02	-1.03E-04	-1.20E-03	5.95E-04
2.02E+02	9.54E-06	-1.18E-03	4.98E-04
2.02E+02	1.46E-04	-1.14E-03	3.81E-04
2.02E+02	2.91E-04	-1.12E-03	2.08E-04
2.02E+02	3.78E-04	-1.09E-03	6.60E-05
2.02E+02	4.19E-04	-1.07E-03	-7.67E-05
2.02E+02	4.77E-04	-1.06E-03	-1.85E-04
2.02E+02	4.71E-04	-1.04E-03	-2.08E-04
2.02E+02	4.01E-04	-1.06E-03	-2.37E-04
2.02E+02	3.17E-04	-1.06E-03	-1.95E-04
2.02E+02	2.05E-04	-1.04E-03	-4.27E-05
2.02E+02	1.04E-04	-1.01E-03	8.62E-05
2.02E+02	-3.05E-05	-9.97E-04	2.40E-04

2.02E+02	-1.82E-04	-9.75E-04	4.46E-04
2.02E+02	-2.66E-04	-9.12E-04	6.72E-04
2.02E+02	-3.57E-04	-8.12E-04	9.12E-04
2.02E+02	-4.37E-04	-7.29E-04	1.03E-03
2.02E+02	-4.45E-04	-6.18E-04	1.06E-03
2.02E+02	-4.25E-04	-4.67E-04	1.11E-03
2.02E+02	-3.64E-04	-3.31E-04	1.08E-03
2.02E+02	-3.30E-04	-2.09E-04	1.04E-03
2.02E+02	-3.32E-04	-1.12E-04	9.88E-04
2.02E+02	-2.81E-04	-2.21E-05	8.92E-04
2.02E+02	-2.74E-04	6.18E-05	7.89E-04
2.02E+02	-3.29E-04	1.05E-04	6.23E-04
2.02E+02	-3.66E-04	1.70E-04	4.75E-04
2.02E+02	-4.18E-04	2.54E-04	3.89E-04
2.02E+02	-4.51E-04	3.19E-04	2.44E-04
2.02E+02	-4.77E-04	3.94E-04	1.33E-04
2.02E+02	-5.18E-04	4.65E-04	1.03E-04
2.02E+02	-5.05E-04	5.36E-04	1.23E-04
2.02E+02	-4.95E-04	5.94E-04	2.12E-04
2.02E+02	-5.37E-04	5.76E-04	2.57E-04
2.02E+02	-5.82E-04	5.17E-04	2.83E-04
2.02E+02	-6.21E-04	4.58E-04	3.57E-04
2.02E+02	-6.42E-04	3.88E-04	3.89E-04
2.02E+02	-6.74E-04	3.36E-04	4.23E-04
2.02E+02	-7.23E-04	3.02E-04	4.92E-04
2.02E+02	-6.96E-04	2.67E-04	5.54E-04
2.02E+02	-6.49E-04	2.36E-04	6.31E-04
2.02E+02	-6.42E-04	1.53E-04	6.48E-04
2.02E+02	-5.98E-04	3.72E-05	6.01E-04
2.02E+02	-5.23E-04	-6.62E-05	5.54E-04
2.02E+02	-4.07E-04	-1.96E-04	4.28E-04
2.02E+02	-2.54E-04	-3.26E-04	2.48E-04
2.02E+02	-1.16E-04	-4.33E-04	9.99E-05
2.02E+02	8.09E-05	-4.98E-04	-9.92E-06
2.02E+02	2.83E-04	-5.24E-04	-7.63E-05
2.02E+02	4.03E-04	-5.92E-04	-1.84E-04
2.02E+02	5.08E-04	-6.82E-04	-3.38E-04
2.03E+02	5.87E-04	-7.41E-04	-4.30E-04
2.03E+02	6.32E-04	-7.95E-04	-4.95E-04
2.03E+02	6.25E-04	-8.40E-04	-5.71E-04
2.03E+02	5.36E-04	-8.63E-04	-6.19E-04
2.03E+02	4.67E-04	-8.51E-04	-6.35E-04
2.03E+02	4.22E-04	-7.95E-04	-5.76E-04
2.03E+02	3.52E-04	-7.33E-04	-4.84E-04
2.03E+02	3.10E-04	-6.74E-04	-4.10E-04
2.03E+02	3.08E-04	-5.79E-04	-2.62E-04
2.03E+02	3.67E-04	-4.74E-04	-1.20E-04

2.03E+02	4.64E-04	-3.77E-04	-4.35E-05
2.03E+02	5.35E-04	-2.70E-04	7.11E-05
2.03E+02	6.43E-04	-1.46E-04	1.86E-04
2.03E+02	7.72E-04	3.05E-06	2.88E-04
2.03E+02	8.26E-04	1.18E-04	2.98E-04
2.03E+02	8.41E-04	1.75E-04	1.66E-04
2.03E+02	8.50E-04	2.54E-04	9.10E-05
2.03E+02	8.42E-04	3.24E-04	7.02E-05
2.03E+02	8.10E-04	3.60E-04	5.63E-05
2.03E+02	7.27E-04	3.96E-04	1.11E-04
2.03E+02	6.60E-04	4.37E-04	1.76E-04
2.03E+02	6.48E-04	5.24E-04	2.63E-04
2.03E+02	6.20E-04	6.27E-04	3.44E-04
2.03E+02	5.96E-04	7.23E-04	3.47E-04
2.03E+02	6.07E-04	8.64E-04	3.50E-04
2.03E+02	6.41E-04	1.01E-03	2.96E-04
2.03E+02	7.01E-04	1.12E-03	1.35E-04
2.03E+02	6.94E-04	1.21E-03	-1.53E-06
2.03E+02	6.49E-04	1.26E-03	-1.21E-04
2.03E+02	6.15E-04	1.29E-03	-2.22E-04
2.03E+02	4.90E-04	1.28E-03	-3.00E-04
2.03E+02	3.26E-04	1.19E-03	-4.20E-04
2.03E+02	1.83E-04	1.08E-03	-4.59E-04
2.03E+02	4.37E-05	9.74E-04	-4.03E-04
2.03E+02	-7.13E-05	8.57E-04	-3.46E-04
2.03E+02	-2.19E-04	7.59E-04	-2.61E-04
2.03E+02	-3.62E-04	6.50E-04	-2.11E-04
2.03E+02	-4.16E-04	5.44E-04	-1.99E-04
2.03E+02	-4.54E-04	4.56E-04	-1.77E-04
2.03E+02	-4.90E-04	3.36E-04	-2.23E-04
2.03E+02	-4.94E-04	2.38E-04	-2.31E-04
2.03E+02	-4.90E-04	1.74E-04	-1.59E-04
2.03E+02	-4.73E-04	8.56E-05	-1.37E-04
2.03E+02	-4.96E-04	-1.62E-05	-1.16E-04
2.03E+02	-5.50E-04	-1.40E-04	-8.75E-05
2.03E+02	-5.54E-04	-2.47E-04	-2.84E-05
2.03E+02	-5.74E-04	-3.41E-04	6.98E-05
2.03E+02	-6.26E-04	-4.66E-04	8.75E-05
2.03E+02	-6.24E-04	-5.42E-04	1.13E-04
2.03E+02	-5.90E-04	-5.62E-04	1.75E-04
2.03E+02	-5.17E-04	-5.35E-04	1.84E-04
2.03E+02	-4.38E-04	-4.31E-04	1.73E-04
2.03E+02	-3.83E-04	-2.88E-04	1.17E-04
2.03E+02	-2.67E-04	-9.71E-05	3.26E-05
2.03E+02	-1.71E-04	1.20E-04	-2.90E-05
2.03E+02	-1.50E-04	3.00E-04	-9.88E-05
2.03E+02	-1.43E-04	4.62E-04	-1.09E-04

2.03E+02	-1.81E-04	6.26E-04	-3.51E-05
2.03E+02	-2.48E-04	7.61E-04	-2.35E-05
2.03E+02	-3.52E-04	8.75E-04	-6.98E-05
2.03E+02	-4.96E-04	1.00E-03	-1.06E-04
2.03E+02	-5.70E-04	1.17E-03	-1.37E-04
2.03E+02	-6.00E-04	1.37E-03	-1.48E-04
2.03E+02	-6.18E-04	1.53E-03	-2.22E-04
2.03E+02	-5.69E-04	1.66E-03	-2.81E-04
2.03E+02	-4.91E-04	1.77E-03	-2.10E-04
2.03E+02	-3.92E-04	1.82E-03	-1.55E-04
2.03E+02	-3.25E-04	1.81E-03	-1.06E-04
2.03E+02	-3.29E-04	1.78E-03	-1.41E-05
2.03E+02	-3.13E-04	1.72E-03	3.70E-05
2.03E+02	-3.13E-04	1.68E-03	8.81E-05
2.03E+02	-3.64E-04	1.64E-03	1.17E-04
2.03E+02	-4.00E-04	1.60E-03	1.39E-04
2.03E+02	-4.18E-04	1.60E-03	2.51E-04
2.03E+02	-4.04E-04	1.55E-03	2.96E-04
2.03E+02	-3.76E-04	1.46E-03	2.84E-04
2.03E+02	-3.67E-04	1.36E-03	3.41E-04
2.03E+02	-3.13E-04	1.24E-03	3.49E-04
2.03E+02	-2.29E-04	1.09E-03	3.17E-04
2.03E+02	-1.86E-04	9.18E-04	2.14E-04
2.03E+02	-1.36E-04	7.22E-04	3.15E-05
2.03E+02	-7.02E-05	5.71E-04	-4.98E-05
2.03E+02	-3.43E-06	4.68E-04	-6.75E-05
2.03E+02	4.01E-05	4.08E-04	-5.28E-05
2.03E+02	2.16E-05	3.89E-04	2.67E-05
2.03E+02	2.50E-05	3.84E-04	9.40E-05
2.03E+02	5.63E-05	4.00E-04	1.53E-04
2.03E+02	4.96E-05	4.10E-04	1.35E-04
2.03E+02	4.43E-05	4.12E-04	2.54E-05
2.03E+02	5.72E-05	4.69E-04	-9.35E-06
2.03E+02	1.06E-04	5.50E-04	-2.06E-05
2.03E+02	1.66E-04	6.18E-04	-4.22E-05
2.03E+02	1.74E-04	6.94E-04	-6.48E-06
2.03E+02	2.03E-04	7.68E-04	3.32E-05
2.03E+02	2.52E-04	8.32E-04	1.20E-04
2.03E+02	2.48E-04	8.52E-04	1.93E-04
2.03E+02	2.32E-04	8.14E-04	1.53E-04
2.03E+02	2.17E-04	7.90E-04	1.16E-04
2.03E+02	2.12E-04	7.91E-04	8.18E-05
2.03E+02	2.08E-04	8.03E-04	5.51E-05
2.03E+02	1.38E-04	8.58E-04	1.15E-04
2.03E+02	6.68E-05	9.09E-04	1.76E-04
2.03E+02	3.60E-05	9.50E-04	2.36E-04
2.03E+02	-5.23E-05	9.67E-04	2.87E-04

2.03E+02	-1.80E-04	9.14E-04	2.33E-04
2.03E+02	-3.07E-04	8.62E-04	1.72E-04
2.03E+02	-4.52E-04	8.29E-04	1.25E-04
2.03E+02	-5.95E-04	7.97E-04	2.38E-05
2.03E+02	-8.00E-04	7.82E-04	-5.66E-05
2.03E+02	-1.00E-03	7.95E-04	-7.82E-05
2.03E+02	-1.11E-03	8.87E-04	-2.08E-05
2.03E+02	-1.23E-03	9.83E-04	4.71E-05
2.03E+02	-1.32E-03	1.04E-03	3.57E-05
2.03E+02	-1.32E-03	1.11E-03	7.59E-05
2.03E+02	-1.29E-03	1.19E-03	1.57E-04
2.03E+02	-1.22E-03	1.26E-03	1.54E-04
2.03E+02	-1.18E-03	1.34E-03	1.29E-04
2.03E+02	-1.16E-03	1.39E-03	7.99E-05
2.03E+02	-1.10E-03	1.45E-03	3.76E-05
2.03E+02	-1.08E-03	1.50E-03	3.74E-05
2.03E+02	-1.11E-03	1.51E-03	-3.11E-05
2.03E+02	-1.13E-03	1.53E-03	-1.02E-04
2.03E+02	-1.16E-03	1.57E-03	-1.54E-04
2.03E+02	-1.18E-03	1.59E-03	-2.74E-04
2.03E+02	-1.22E-03	1.61E-03	-3.51E-04
2.03E+02	-1.27E-03	1.63E-03	-3.62E-04
2.03E+02	-1.28E-03	1.67E-03	-3.14E-04
2.03E+02	-1.30E-03	1.70E-03	-2.00E-04
2.03E+02	-1.35E-03	1.67E-03	-1.78E-04
2.03E+02	-1.39E-03	1.59E-03	-1.84E-04
2.03E+02	-1.39E-03	1.53E-03	-1.25E-04
2.03E+02	-1.33E-03	1.45E-03	-8.24E-05
2.03E+02	-1.28E-03	1.38E-03	8.96E-06
2.03E+02	-1.22E-03	1.32E-03	1.19E-04
2.03E+02	-1.06E-03	1.27E-03	1.93E-04
2.03E+02	-8.76E-04	1.26E-03	2.54E-04
2.03E+02	-7.30E-04	1.19E-03	2.12E-04
2.03E+02	-5.58E-04	1.08E-03	1.30E-04
2.03E+02	-3.81E-04	9.69E-04	9.17E-05
2.03E+02	-1.82E-04	8.12E-04	1.89E-05
2.03E+02	-1.34E-06	6.52E-04	-3.89E-05
2.03E+02	1.21E-04	5.00E-04	-6.01E-05
2.03E+02	2.72E-04	3.83E-04	-6.77E-05
2.03E+02	4.01E-04	3.20E-04	-2.54E-05
2.03E+02	4.70E-04	2.52E-04	-4.25E-05
2.03E+02	5.37E-04	1.94E-04	-1.30E-04
2.03E+02	5.89E-04	1.58E-04	-1.99E-04
2.03E+02	6.46E-04	1.40E-04	-3.20E-04
2.03E+02	6.65E-04	1.47E-04	-4.44E-04
2.03E+02	6.38E-04	1.74E-04	-4.84E-04
2.03E+02	6.81E-04	2.57E-04	-4.34E-04

2.03E+02	7.18E-04	3.68E-04	-2.59E-04
2.03E+02	6.93E-04	4.38E-04	-8.56E-05
2.03E+02	6.81E-04	4.85E-04	3.91E-05
2.03E+02	6.56E-04	5.37E-04	2.19E-04
2.03E+02	6.39E-04	5.66E-04	3.29E-04
2.03E+02	6.32E-04	5.85E-04	3.69E-04
2.03E+02	5.63E-04	6.05E-04	4.29E-04
2.03E+02	5.17E-04	6.38E-04	4.53E-04
2.03E+02	5.02E-04	6.98E-04	4.75E-04
2.03E+02	4.35E-04	7.09E-04	4.07E-04
2.03E+02	3.57E-04	6.52E-04	2.27E-04
2.03E+02	2.94E-04	5.91E-04	1.21E-04
2.03E+02	2.54E-04	5.12E-04	3.74E-05
2.03E+02	2.22E-04	4.41E-04	-2.94E-05
2.03E+02	1.66E-04	4.30E-04	1.14E-05
2.03E+02	1.50E-04	4.62E-04	4.90E-05
2.03E+02	1.81E-04	5.47E-04	1.11E-04
2.03E+02	1.97E-04	6.57E-04	2.02E-04
2.03E+02	2.17E-04	7.49E-04	2.07E-04
2.03E+02	2.66E-04	8.71E-04	2.18E-04
2.03E+02	3.50E-04	9.94E-04	2.29E-04
2.03E+02	4.55E-04	1.09E-03	2.05E-04
2.03E+02	5.26E-04	1.15E-03	2.18E-04
2.03E+02	6.14E-04	1.19E-03	2.07E-04
2.03E+02	7.51E-04	1.23E-03	2.16E-04
2.03E+02	8.35E-04	1.26E-03	2.38E-04
2.03E+02	8.86E-04	1.23E-03	1.84E-04
2.03E+02	9.42E-04	1.22E-03	1.74E-04
2.03E+02	9.70E-04	1.23E-03	1.86E-04
2.03E+02	9.80E-04	1.24E-03	1.43E-04
2.03E+02	9.33E-04	1.25E-03	1.31E-04
2.03E+02	8.64E-04	1.23E-03	1.36E-04
2.03E+02	8.38E-04	1.19E-03	1.70E-04
2.03E+02	7.73E-04	1.13E-03	1.79E-04
2.03E+02	6.65E-04	1.03E-03	6.50E-05
2.03E+02	5.85E-04	9.46E-04	-1.98E-05
2.03E+02	5.34E-04	8.86E-04	-2.56E-05
2.03E+02	5.07E-04	8.09E-04	-2.99E-05
2.03E+02	4.60E-04	7.19E-04	1.62E-05
2.03E+02	4.10E-04	6.26E-04	7.06E-05
2.03E+02	3.94E-04	5.52E-04	1.16E-04
2.03E+02	3.37E-04	4.95E-04	1.46E-04
2.03E+02	2.61E-04	4.19E-04	7.11E-05
2.03E+02	2.19E-04	3.79E-04	5.15E-06
2.03E+02	1.84E-04	4.03E-04	-1.14E-05
2.03E+02	1.47E-04	4.40E-04	-7.48E-05
2.03E+02	5.15E-05	5.10E-04	-1.28E-04

2.03E+02	-8.24E-05	6.13E-04	-1.83E-04
2.03E+02	-1.77E-04	7.31E-04	-2.24E-04
2.04E+02	-2.89E-04	8.45E-04	-1.96E-04
2.04E+02	-4.37E-04	8.82E-04	-1.83E-04
2.04E+02	-5.58E-04	8.78E-04	-1.13E-04
2.04E+02	-6.43E-04	8.64E-04	6.22E-05
2.04E+02	-6.87E-04	7.91E-04	2.12E-04
2.04E+02	-7.19E-04	6.87E-04	3.90E-04
2.04E+02	-7.31E-04	5.62E-04	5.87E-04
2.04E+02	-6.57E-04	4.43E-04	7.50E-04
2.04E+02	-5.57E-04	3.55E-04	8.93E-04
2.04E+02	-4.60E-04	2.37E-04	8.93E-04
2.04E+02	-3.19E-04	1.26E-04	8.44E-04
2.04E+02	-1.80E-04	3.26E-05	8.20E-04
2.04E+02	-3.97E-05	-8.01E-05	7.21E-04
2.04E+02	5.87E-05	-1.77E-04	6.49E-04
2.04E+02	7.90E-05	-2.49E-04	5.95E-04
2.04E+02	1.42E-04	-2.64E-04	5.36E-04
2.04E+02	2.05E-04	-2.13E-04	5.53E-04
2.04E+02	2.29E-04	-1.38E-04	5.48E-04
2.04E+02	2.85E-04	-4.14E-05	5.28E-04
2.04E+02	3.23E-04	6.12E-05	5.41E-04
2.04E+02	3.39E-04	1.22E-04	4.65E-04
2.04E+02	3.11E-04	1.18E-04	3.14E-04
2.04E+02	2.10E-04	6.07E-05	1.66E-04
2.04E+02	1.31E-04	3.43E-06	4.94E-05
2.04E+02	5.32E-05	-3.66E-05	3.03E-05
2.04E+02	-6.96E-05	-9.56E-05	2.78E-05
2.04E+02	-1.65E-04	-1.38E-04	2.31E-05
2.04E+02	-2.28E-04	-1.23E-04	1.08E-04
2.04E+02	-2.63E-04	-8.03E-05	1.82E-04
2.04E+02	-2.96E-04	-2.73E-05	2.32E-04
2.04E+02	-3.50E-04	3.30E-05	3.07E-04
2.04E+02	-3.46E-04	8.85E-05	3.68E-04
2.04E+02	-3.09E-04	1.51E-04	4.70E-04
2.04E+02	-2.98E-04	1.92E-04	5.52E-04
2.04E+02	-2.82E-04	1.62E-04	5.47E-04
2.04E+02	-2.65E-04	1.35E-04	5.61E-04
2.04E+02	-2.16E-04	1.14E-04	5.39E-04
2.04E+02	-1.74E-04	3.30E-05	4.38E-04
2.04E+02	-1.88E-04	-5.74E-05	3.26E-04
2.04E+02	-1.57E-04	-1.31E-04	1.67E-04
2.04E+02	-8.54E-05	-1.58E-04	1.79E-05
2.04E+02	-5.70E-05	-1.74E-04	-1.38E-04
2.04E+02	-1.64E-05	-2.01E-04	-3.13E-04
2.04E+02	3.70E-05	-1.81E-04	-3.52E-04
2.04E+02	7.71E-05	-1.63E-04	-3.40E-04

2.04E+02	9.35E-05	-1.60E-04	-3.57E-04
2.04E+02	4.01E-05	-1.60E-04	-3.68E-04
2.04E+02	6.87E-06	-1.55E-04	-4.26E-04
2.04E+02	2.12E-05	-9.17E-05	-4.59E-04
2.04E+02	4.39E-06	-6.10E-06	-4.43E-04
2.04E+02	-1.18E-05	1.06E-04	-4.25E-04
2.04E+02	-1.93E-05	2.78E-04	-3.30E-04
2.04E+02	-1.30E-05	4.58E-04	-2.46E-04
2.04E+02	1.91E-06	6.21E-04	-2.26E-04
2.04E+02	-2.96E-05	7.51E-04	-1.47E-04
2.04E+02	-5.28E-05	8.46E-04	-3.09E-05
2.04E+02	-4.46E-05	9.42E-04	1.28E-04
2.04E+02	-9.92E-05	1.01E-03	2.63E-04
2.04E+02	-1.83E-04	1.04E-03	2.67E-04
2.04E+02	-2.36E-04	1.08E-03	2.71E-04
2.04E+02	-2.75E-04	1.14E-03	2.62E-04
2.04E+02	-2.95E-04	1.18E-03	1.84E-04
2.04E+02	-3.36E-04	1.22E-03	1.24E-04
2.04E+02	-3.58E-04	1.24E-03	8.93E-05
2.04E+02	-3.16E-04	1.25E-03	1.16E-04
2.04E+02	-2.91E-04	1.24E-03	1.69E-04
2.04E+02	-2.81E-04	1.14E-03	1.41E-04
2.04E+02	-2.70E-04	1.04E-03	1.33E-04
2.04E+02	-2.68E-04	9.44E-04	1.42E-04
2.04E+02	-2.62E-04	8.26E-04	6.24E-05
2.04E+02	-3.00E-04	7.16E-04	3.05E-06
2.04E+02	-3.46E-04	6.23E-04	-2.61E-05
2.04E+02	-3.32E-04	5.61E-04	-4.84E-05
2.04E+02	-3.25E-04	5.16E-04	-6.81E-05
2.04E+02	-3.54E-04	4.26E-04	-2.18E-04
2.04E+02	-3.63E-04	3.37E-04	-3.64E-04
2.04E+02	-3.49E-04	2.80E-04	-4.37E-04
2.04E+02	-3.21E-04	2.20E-04	-5.30E-04
2.04E+02	-3.33E-04	1.58E-04	-5.46E-04
2.04E+02	-3.65E-04	1.00E-04	-5.35E-04
2.04E+02	-3.39E-04	6.01E-05	-5.46E-04
2.04E+02	-3.45E-04	3.62E-05	-5.30E-04
2.04E+02	-3.89E-04	-5.53E-06	-5.48E-04
2.04E+02	-4.10E-04	-4.54E-05	-5.31E-04
2.04E+02	-4.32E-04	-5.40E-05	-4.42E-04
2.04E+02	-4.22E-04	-7.32E-05	-4.22E-04
2.04E+02	-4.33E-04	-1.17E-04	-4.35E-04
2.04E+02	-4.91E-04	-1.65E-04	-4.20E-04
2.04E+02	-5.05E-04	-1.99E-04	-3.76E-04
2.04E+02	-5.41E-04	-2.35E-04	-2.65E-04
2.04E+02	-6.18E-04	-3.21E-04	-1.84E-04
2.04E+02	-6.73E-04	-4.12E-04	-9.29E-05

2.04E+02	-7.17E-04	-4.84E-04	6.94E-05
2.04E+02	-7.46E-04	-5.61E-04	1.72E-04
2.04E+02	-7.93E-04	-6.06E-04	2.68E-04
2.04E+02	-8.75E-04	-6.51E-04	3.29E-04
2.04E+02	-9.06E-04	-7.03E-04	2.67E-04
2.04E+02	-9.12E-04	-7.07E-04	1.97E-04
2.04E+02	-9.45E-04	-7.14E-04	7.92E-05
2.04E+02	-9.43E-04	-7.18E-04	-8.85E-05
2.04E+02	-9.06E-04	-6.92E-04	-2.33E-04
2.04E+02	-8.39E-04	-6.64E-04	-4.36E-04
2.04E+02	-7.72E-04	-6.21E-04	-6.38E-04
2.04E+02	-7.29E-04	-5.63E-04	-7.61E-04
2.04E+02	-6.40E-04	-4.86E-04	-8.21E-04
2.04E+02	-5.54E-04	-3.92E-04	-7.97E-04
2.04E+02	-5.14E-04	-3.52E-04	-8.13E-04
2.04E+02	-4.70E-04	-3.58E-04	-8.50E-04
2.04E+02	-4.24E-04	-3.61E-04	-7.59E-04
2.04E+02	-3.75E-04	-3.82E-04	-6.37E-04
2.04E+02	-3.53E-04	-4.12E-04	-5.09E-04
2.04E+02	-3.83E-04	-4.35E-04	-3.64E-04
2.04E+02	-3.92E-04	-4.52E-04	-2.90E-04
2.04E+02	-3.87E-04	-4.56E-04	-2.56E-04
2.04E+02	-4.27E-04	-4.89E-04	-3.12E-04
2.04E+02	-4.64E-04	-5.34E-04	-4.47E-04
2.04E+02	-4.85E-04	-5.55E-04	-4.84E-04
2.04E+02	-4.93E-04	-5.84E-04	-4.82E-04
2.04E+02	-5.03E-04	-6.17E-04	-4.78E-04
2.04E+02	-5.70E-04	-6.46E-04	-4.15E-04
2.04E+02	-6.10E-04	-6.72E-04	-3.73E-04
2.04E+02	-6.28E-04	-6.82E-04	-3.36E-04
2.04E+02	-6.99E-04	-7.26E-04	-3.57E-04
2.04E+02	-7.45E-04	-8.00E-04	-4.79E-04
2.04E+02	-7.72E-04	-8.50E-04	-5.90E-04
2.04E+02	-7.58E-04	-8.71E-04	-7.19E-04
2.04E+02	-6.92E-04	-8.68E-04	-8.46E-04
2.04E+02	-6.55E-04	-8.82E-04	-9.03E-04
2.04E+02	-5.83E-04	-9.17E-04	-9.29E-04
2.04E+02	-4.61E-04	-9.49E-04	-9.00E-04
2.04E+02	-3.77E-04	-1.00E-03	-8.62E-04
2.04E+02	-3.25E-04	-1.07E-03	-8.64E-04
2.04E+02	-2.82E-04	-1.09E-03	-7.79E-04
2.04E+02	-2.60E-04	-1.09E-03	-6.73E-04
2.04E+02	-2.89E-04	-1.09E-03	-6.10E-04
2.04E+02	-4.17E-04	-1.08E-03	-4.94E-04
2.04E+02	-5.81E-04	-1.04E-03	-3.67E-04
2.04E+02	-7.20E-04	-9.73E-04	-2.22E-04
2.04E+02	-8.88E-04	-9.10E-04	-9.69E-05

2.04E+02	-1.04E-03	-8.72E-04	-8.28E-05
2.04E+02	-1.15E-03	-8.25E-04	-5.65E-05
2.04E+02	-1.21E-03	-7.59E-04	-2.73E-05
2.04E+02	-1.24E-03	-7.14E-04	-6.43E-05
2.04E+02	-1.30E-03	-6.87E-04	-6.39E-05
2.04E+02	-1.30E-03	-6.56E-04	-3.91E-05
2.04E+02	-1.24E-03	-6.44E-04	6.10E-06
2.04E+02	-1.18E-03	-6.53E-04	7.34E-05
2.04E+02	-1.11E-03	-6.79E-04	6.08E-05
2.04E+02	-1.02E-03	-6.74E-04	5.44E-05
2.04E+02	-9.02E-04	-6.29E-04	4.79E-05
2.04E+02	-7.65E-04	-5.79E-04	-5.09E-05
2.04E+02	-6.63E-04	-5.21E-04	-1.39E-04
2.04E+02	-5.71E-04	-4.79E-04	-2.10E-04
2.04E+02	-4.30E-04	-4.34E-04	-2.21E-04
2.04E+02	-3.19E-04	-4.12E-04	-1.70E-04
2.04E+02	-2.50E-04	-4.93E-04	-2.13E-04
2.04E+02	-1.81E-04	-6.09E-04	-2.29E-04
2.04E+02	-1.19E-04	-7.26E-04	-1.48E-04
2.04E+02	-3.97E-05	-8.66E-04	-6.28E-05
2.04E+02	-1.13E-05	-9.85E-04	7.82E-05
2.04E+02	-1.18E-05	-1.08E-03	2.15E-04
2.04E+02	5.36E-05	-1.15E-03	3.03E-04
2.04E+02	9.46E-05	-1.17E-03	3.62E-04
2.04E+02	1.03E-04	-1.20E-03	3.15E-04
2.04E+02	1.41E-04	-1.21E-03	2.42E-04
2.04E+02	1.98E-04	-1.17E-03	1.88E-04
2.04E+02	2.74E-04	-1.15E-03	2.54E-05
2.04E+02	3.18E-04	-1.13E-03	-1.45E-04
2.04E+02	3.53E-04	-1.09E-03	-2.44E-04
2.04E+02	4.24E-04	-1.04E-03	-3.10E-04
2.04E+02	4.59E-04	-9.78E-04	-2.99E-04
2.04E+02	4.43E-04	-9.62E-04	-3.35E-04
2.04E+02	4.07E-04	-9.71E-04	-3.77E-04
2.04E+02	3.34E-04	-9.54E-04	-3.06E-04
2.04E+02	2.39E-04	-9.55E-04	-2.58E-04
2.04E+02	9.61E-05	-9.46E-04	-1.96E-04
2.04E+02	-8.41E-05	-9.23E-04	-9.29E-05
2.04E+02	-2.03E-04	-8.81E-04	-2.02E-05
2.04E+02	-2.90E-04	-8.05E-04	7.74E-05
2.04E+02	-3.94E-04	-7.82E-04	1.05E-04
2.04E+02	-4.64E-04	-7.89E-04	8.79E-05
2.04E+02	-5.12E-04	-7.89E-04	1.38E-04
2.04E+02	-5.38E-04	-8.26E-04	1.50E-04
2.04E+02	-5.56E-04	-8.47E-04	1.83E-04
2.04E+02	-6.23E-04	-8.58E-04	2.61E-04
2.04E+02	-6.60E-04	-8.51E-04	2.95E-04

2.04E+02	-6.54E-04	-7.91E-04	3.33E-04
2.04E+02	-6.83E-04	-7.72E-04	2.93E-04
2.04E+02	-6.75E-04	-7.76E-04	2.03E-04
2.04E+02	-6.06E-04	-7.46E-04	1.85E-04
2.04E+02	-4.92E-04	-7.06E-04	1.30E-04
2.04E+02	-3.62E-04	-6.58E-04	3.66E-05
2.04E+02	-2.70E-04	-6.21E-04	-3.41E-05
2.04E+02	-1.26E-04	-5.94E-04	-1.07E-04
2.04E+02	4.01E-05	-5.69E-04	-1.17E-04
2.04E+02	1.46E-04	-5.73E-04	-1.38E-04
2.04E+02	2.55E-04	-5.85E-04	-2.03E-04
2.04E+02	3.62E-04	-5.69E-04	-1.83E-04
2.04E+02	4.74E-04	-5.33E-04	-1.76E-04
2.04E+02	5.78E-04	-4.82E-04	-1.87E-04
2.05E+02	6.05E-04	-4.22E-04	-1.30E-04
2.05E+02	6.24E-04	-3.45E-04	-7.63E-05
2.05E+02	6.30E-04	-2.44E-04	1.60E-05
2.05E+02	5.38E-04	-1.87E-04	1.01E-04
2.05E+02	4.14E-04	-1.81E-04	1.26E-04
2.05E+02	2.86E-04	-1.80E-04	1.94E-04
2.05E+02	1.39E-04	-2.04E-04	2.51E-04
2.05E+02	-1.89E-05	-2.35E-04	2.59E-04
2.05E+02	-2.08E-04	-2.51E-04	2.80E-04
2.05E+02	-3.45E-04	-2.63E-04	2.91E-04
2.05E+02	-3.93E-04	-2.62E-04	3.19E-04
2.05E+02	-4.37E-04	-2.78E-04	3.41E-04
2.05E+02	-4.55E-04	-3.21E-04	3.05E-04
2.05E+02	-4.27E-04	-3.42E-04	3.14E-04
2.05E+02	-3.66E-04	-3.56E-04	3.20E-04
2.05E+02	-3.00E-04	-3.86E-04	2.44E-04
2.05E+02	-3.14E-04	-4.03E-04	1.78E-04
2.05E+02	-3.53E-04	-4.02E-04	1.07E-04
2.05E+02	-3.74E-04	-3.58E-04	6.79E-05
2.05E+02	-4.48E-04	-2.97E-04	3.91E-05
2.05E+02	-5.17E-04	-2.63E-04	-4.04E-05
2.05E+02	-5.49E-04	-2.10E-04	-7.06E-06
2.05E+02	-5.77E-04	-1.91E-04	9.82E-05
2.05E+02	-5.87E-04	-2.41E-04	1.55E-04
2.05E+02	-6.32E-04	-3.22E-04	2.41E-04
2.05E+02	-6.68E-04	-4.41E-04	3.30E-04
2.05E+02	-6.48E-04	-5.51E-04	4.09E-04
2.05E+02	-6.65E-04	-6.57E-04	4.85E-04
2.05E+02	-6.93E-04	-7.60E-04	4.86E-04
2.05E+02	-6.92E-04	-7.95E-04	4.68E-04
2.05E+02	-6.74E-04	-7.85E-04	4.70E-04
2.05E+02	-6.42E-04	-7.60E-04	4.59E-04
2.05E+02	-6.64E-04	-7.22E-04	4.91E-04

2.05E+02	-7.02E-04	-6.89E-04	5.52E-04
2.05E+02	-7.16E-04	-6.82E-04	6.38E-04
2.05E+02	-7.84E-04	-7.15E-04	7.46E-04
2.05E+02	-8.64E-04	-7.85E-04	7.46E-04
2.05E+02	-9.02E-04	-8.64E-04	7.18E-04
2.05E+02	-8.98E-04	-9.04E-04	7.70E-04
2.05E+02	-8.44E-04	-9.24E-04	7.67E-04
2.05E+02	-7.89E-04	-9.32E-04	6.95E-04
2.05E+02	-7.20E-04	-9.01E-04	6.00E-04
2.05E+02	-5.85E-04	-8.29E-04	5.02E-04
2.05E+02	-4.70E-04	-7.37E-04	4.45E-04
2.05E+02	-4.05E-04	-6.81E-04	3.43E-04
2.05E+02	-3.56E-04	-6.46E-04	2.42E-04
2.05E+02	-3.42E-04	-6.03E-04	2.03E-04
2.05E+02	-3.39E-04	-5.76E-04	1.37E-04
2.05E+02	-3.69E-04	-5.46E-04	1.13E-04
2.05E+02	-4.20E-04	-4.90E-04	1.87E-04
2.05E+02	-4.05E-04	-3.98E-04	2.88E-04
2.05E+02	-3.90E-04	-3.02E-04	3.96E-04
2.05E+02	-4.04E-04	-2.59E-04	4.10E-04
2.05E+02	-3.85E-04	-2.51E-04	3.45E-04
2.05E+02	-3.61E-04	-2.61E-04	3.13E-04
2.05E+02	-3.22E-04	-3.01E-04	2.52E-04
2.05E+02	-3.05E-04	-3.59E-04	1.66E-04
2.05E+02	-3.29E-04	-4.14E-04	1.20E-04
2.05E+02	-2.75E-04	-4.23E-04	1.46E-04
2.05E+02	-1.92E-04	-4.25E-04	2.50E-04
2.05E+02	-1.44E-04	-4.84E-04	3.30E-04
2.05E+02	-4.54E-05	-5.62E-04	3.60E-04
2.05E+02	8.05E-05	-6.51E-04	3.85E-04
2.05E+02	2.15E-04	-7.58E-04	3.41E-04
2.05E+02	3.41E-04	-8.66E-04	2.72E-04
2.05E+02	4.07E-04	-9.46E-04	2.69E-04
2.05E+02	4.65E-04	-9.95E-04	2.63E-04
2.05E+02	4.75E-04	-1.03E-03	2.32E-04
2.05E+02	3.83E-04	-1.08E-03	1.32E-04
2.05E+02	2.90E-04	-1.15E-03	-3.40E-05
2.05E+02	2.04E-04	-1.18E-03	-1.09E-04
2.05E+02	1.30E-04	-1.16E-03	-1.72E-04
2.05E+02	6.16E-05	-1.14E-03	-2.60E-04
2.05E+02	-6.75E-05	-1.10E-03	-2.69E-04
2.05E+02	-1.67E-04	-1.03E-03	-2.70E-04
2.05E+02	-2.42E-04	-9.21E-04	-2.59E-04
2.05E+02	-3.78E-04	-8.28E-04	-2.60E-04
2.05E+02	-5.21E-04	-7.49E-04	-2.80E-04
2.05E+02	-6.54E-04	-5.96E-04	-2.37E-04
2.05E+02	-7.43E-04	-4.34E-04	-2.42E-04

2.05E+02	-8.16E-04	-2.79E-04	-2.57E-04
2.05E+02	-9.43E-04	-9.57E-05	-1.81E-04
2.05E+02	-1.03E-03	6.98E-05	-1.11E-04
2.05E+02	-1.10E-03	2.06E-04	2.50E-05
2.05E+02	-1.24E-03	2.88E-04	1.54E-04
2.05E+02	-1.33E-03	2.84E-04	1.54E-04
2.05E+02	-1.40E-03	2.40E-04	1.99E-04
2.05E+02	-1.40E-03	1.82E-04	2.41E-04
2.05E+02	-1.35E-03	8.45E-05	2.15E-04
2.05E+02	-1.31E-03	-2.48E-06	2.49E-04
2.05E+02	-1.22E-03	-4.69E-05	2.63E-04
2.05E+02	-1.09E-03	-7.04E-05	2.42E-04
2.05E+02	-1.00E-03	-1.01E-04	2.57E-04
2.05E+02	-9.44E-04	-1.65E-04	2.53E-04
2.05E+02	-8.96E-04	-2.38E-04	2.42E-04
2.05E+02	-8.63E-04	-3.30E-04	2.17E-04
2.05E+02	-8.52E-04	-4.23E-04	1.75E-04
2.05E+02	-8.95E-04	-4.81E-04	1.58E-04
2.05E+02	-9.46E-04	-5.01E-04	1.40E-04
2.05E+02	-9.57E-04	-4.37E-04	1.83E-04
2.05E+02	-1.01E-03	-3.39E-04	2.40E-04
2.05E+02	-1.06E-03	-2.53E-04	1.96E-04
2.05E+02	-1.05E-03	-1.32E-04	1.72E-04
2.05E+02	-1.04E-03	-1.34E-05	1.73E-04
2.05E+02	-9.96E-04	7.93E-05	1.43E-04
2.05E+02	-9.74E-04	1.55E-04	1.65E-04
2.05E+02	-9.59E-04	1.99E-04	1.69E-04
2.05E+02	-8.87E-04	2.08E-04	1.48E-04
2.05E+02	-8.47E-04	1.78E-04	1.81E-04
2.05E+02	-8.40E-04	8.68E-05	1.77E-04
2.05E+02	-8.17E-04	-2.92E-05	1.74E-04
2.05E+02	-7.95E-04	-1.26E-04	1.86E-04
2.05E+02	-7.62E-04	-2.30E-04	9.54E-05
2.05E+02	-7.65E-04	-3.12E-04	1.66E-05
2.05E+02	-7.76E-04	-3.43E-04	2.10E-05
2.05E+02	-7.37E-04	-3.26E-04	6.73E-05
2.05E+02	-7.31E-04	-2.67E-04	1.13E-04
2.05E+02	-7.30E-04	-2.22E-04	9.25E-05
2.05E+02	-6.92E-04	-1.75E-04	1.18E-04
2.05E+02	-6.37E-04	-9.96E-05	2.08E-04
2.05E+02	-5.21E-04	-3.19E-05	2.39E-04
2.05E+02	-4.01E-04	3.93E-05	2.98E-04
2.05E+02	-2.92E-04	1.19E-04	3.97E-04
2.05E+02	-1.17E-04	1.90E-04	4.39E-04
2.05E+02	2.94E-05	2.68E-04	4.49E-04
2.05E+02	1.04E-04	3.30E-04	3.68E-04
2.05E+02	1.54E-04	3.93E-04	2.39E-04

2.05E+02	1.45E-04	4.93E-04	1.75E-04
2.05E+02	1.06E-04	5.69E-04	5.95E-05
2.05E+02	1.20E-05	6.25E-04	-6.58E-05
2.05E+02	-1.33E-04	6.87E-04	-1.01E-04
2.05E+02	-2.26E-04	7.38E-04	-7.06E-05
2.05E+02	-3.26E-04	7.64E-04	3.32E-05
2.05E+02	-4.29E-04	7.13E-04	9.77E-05
2.05E+02	-4.74E-04	6.08E-04	1.30E-04
2.05E+02	-4.88E-04	5.13E-04	1.78E-04
2.05E+02	-4.49E-04	3.97E-04	1.24E-04
2.05E+02	-3.97E-04	3.02E-04	3.60E-05
2.05E+02	-3.65E-04	2.52E-04	-2.56E-05
2.05E+02	-2.70E-04	2.15E-04	-5.21E-05
2.05E+02	-1.44E-04	2.38E-04	4.77E-06
2.05E+02	-6.10E-05	2.32E-04	-1.16E-05
2.05E+02	1.98E-05	1.89E-04	-7.27E-05
2.05E+02	1.10E-04	2.04E-04	-5.05E-05
2.05E+02	2.12E-04	1.78E-04	-1.03E-04
2.05E+02	2.86E-04	1.23E-04	-2.07E-04
2.05E+02	3.11E-04	9.37E-05	-2.70E-04
2.05E+02	3.69E-04	7.67E-05	-3.55E-04
2.05E+02	4.42E-04	1.10E-04	-4.08E-04
2.05E+02	4.71E-04	1.30E-04	-4.47E-04
2.05E+02	4.75E-04	1.20E-04	-4.98E-04
2.05E+02	4.80E-04	1.44E-04	-4.81E-04
2.05E+02	4.88E-04	1.55E-04	-4.35E-04
2.05E+02	4.55E-04	1.68E-04	-3.86E-04
2.05E+02	3.69E-04	1.85E-04	-3.32E-04
2.05E+02	3.21E-04	1.79E-04	-2.85E-04
2.05E+02	3.00E-04	1.75E-04	-1.99E-04
2.05E+02	2.33E-04	1.36E-04	-1.62E-04
2.05E+02	1.97E-04	7.34E-05	-2.03E-04
2.05E+02	1.85E-04	2.78E-05	-1.97E-04
2.05E+02	1.91E-04	-2.16E-05	-2.09E-04
2.05E+02	2.29E-04	-7.71E-05	-2.97E-04
2.05E+02	2.28E-04	-1.31E-04	-3.81E-04
2.05E+02	2.44E-04	-1.77E-04	-4.96E-04
2.05E+02	2.81E-04	-1.95E-04	-5.87E-04
2.05E+02	2.64E-04	-2.19E-04	-6.37E-04
2.05E+02	2.41E-04	-2.72E-04	-7.19E-04
2.05E+02	2.29E-04	-3.10E-04	-7.28E-04
2.05E+02	2.19E-04	-3.46E-04	-6.98E-04
2.05E+02	2.16E-04	-3.78E-04	-6.90E-04
2.05E+02	1.99E-04	-3.76E-04	-6.33E-04
2.05E+02	2.08E-04	-3.58E-04	-5.74E-04
2.05E+02	2.66E-04	-3.18E-04	-5.06E-04
2.05E+02	2.89E-04	-2.82E-04	-4.58E-04

2.05E+02	2.77E-04	-2.67E-04	-4.83E-04
2.05E+02	2.82E-04	-2.31E-04	-4.67E-04
2.05E+02	2.90E-04	-1.95E-04	-4.31E-04
2.05E+02	3.01E-04	-1.86E-04	-4.43E-04
2.05E+02	2.81E-04	-1.87E-04	-4.16E-04
2.05E+02	2.66E-04	-1.83E-04	-3.88E-04
2.05E+02	3.14E-04	-1.42E-04	-3.66E-04
2.05E+02	3.51E-04	-9.25E-05	-3.56E-04
2.05E+02	3.90E-04	-7.78E-05	-4.49E-04
2.05E+02	4.64E-04	-3.13E-05	-5.17E-04
2.05E+02	5.45E-04	6.26E-05	-5.48E-04
2.05E+02	6.43E-04	1.69E-04	-6.26E-04
2.05E+02	7.00E-04	3.05E-04	-6.44E-04
2.05E+02	7.47E-04	4.60E-04	-6.38E-04
2.05E+02	8.46E-04	6.22E-04	-6.23E-04
2.05E+02	9.04E-04	7.72E-04	-5.57E-04
2.05E+02	9.17E-04	8.88E-04	-5.10E-04
2.05E+02	9.32E-04	1.01E-03	-4.10E-04
2.05E+02	9.45E-04	1.13E-03	-2.48E-04
2.05E+02	9.66E-04	1.22E-03	-1.31E-04
2.05E+02	9.31E-04	1.28E-03	1.01E-05
2.05E+02	8.74E-04	1.30E-03	1.91E-04
2.05E+02	8.47E-04	1.30E-03	3.65E-04
2.05E+02	7.88E-04	1.28E-03	4.98E-04
2.05E+02	7.29E-04	1.19E-03	4.55E-04
2.05E+02	6.99E-04	1.06E-03	2.98E-04
2.06E+02	7.16E-04	9.36E-04	1.55E-04
2.06E+02	7.99E-04	8.00E-04	5.72E-06
2.06E+02	8.95E-04	6.59E-04	-1.01E-04
2.06E+02	1.03E-03	5.29E-04	-1.86E-04
2.06E+02	1.26E-03	4.09E-04	-2.57E-04
2.06E+02	1.52E-03	3.03E-04	-2.53E-04
2.06E+02	1.78E-03	1.75E-04	-2.75E-04
2.06E+02	2.06E-03	4.14E-05	-3.16E-04
2.06E+02	2.35E-03	-7.44E-05	-3.26E-04
2.06E+02	2.62E-03	-1.86E-04	-4.07E-04
2.06E+02	2.82E-03	-2.91E-04	-5.02E-04
2.06E+02	2.95E-03	-3.85E-04	-5.63E-04
2.06E+02	3.06E-03	-4.36E-04	-5.91E-04
2.06E+02	3.10E-03	-4.69E-04	-5.36E-04
2.06E+02	3.03E-03	-5.31E-04	-4.99E-04
2.06E+02	2.93E-03	-5.88E-04	-4.41E-04
2.06E+02	2.82E-03	-6.17E-04	-2.77E-04
2.06E+02	2.69E-03	-6.24E-04	-1.44E-04
2.06E+02	2.51E-03	-6.12E-04	-4.10E-05
2.06E+02	2.29E-03	-5.96E-04	4.12E-05
2.06E+02	2.12E-03	-5.50E-04	6.41E-05

2.06E+02	1.99E-03	-4.59E-04	1.09E-04
2.06E+02	1.84E-03	-3.84E-04	1.03E-04
2.06E+02	1.71E-03	-3.23E-04	5.91E-05
2.06E+02	1.62E-03	-2.38E-04	8.54E-05
2.06E+02	1.56E-03	-1.62E-04	5.15E-05
2.06E+02	1.50E-03	-9.40E-05	-2.99E-05
2.06E+02	1.40E-03	5.72E-06	-5.84E-05
2.06E+02	1.33E-03	1.42E-04	-7.29E-05
2.06E+02	1.27E-03	3.03E-04	-5.49E-05
2.06E+02	1.17E-03	4.41E-04	-9.17E-05
2.06E+02	1.07E-03	5.40E-04	-1.75E-04
2.06E+02	1.01E-03	6.44E-04	-1.69E-04
2.06E+02	9.77E-04	7.15E-04	-1.90E-04
2.06E+02	9.76E-04	7.38E-04	-2.43E-04
2.06E+02	9.58E-04	7.52E-04	-2.45E-04
2.06E+02	9.99E-04	7.46E-04	-2.66E-04
2.06E+02	1.09E-03	7.46E-04	-2.56E-04
2.06E+02	1.16E-03	7.41E-04	-2.22E-04
2.06E+02	1.22E-03	7.09E-04	-2.26E-04
2.06E+02	1.25E-03	7.01E-04	-1.69E-04
2.06E+02	1.29E-03	6.78E-04	-1.04E-04
2.06E+02	1.32E-03	6.05E-04	-4.86E-05
2.06E+02	1.28E-03	5.11E-04	8.01E-05
2.06E+02	1.26E-03	3.98E-04	2.21E-04
2.06E+02	1.26E-03	2.89E-04	3.92E-04
2.06E+02	1.20E-03	1.63E-04	5.29E-04
2.06E+02	1.13E-03	2.33E-05	5.40E-04
2.06E+02	1.08E-03	-6.47E-05	5.34E-04
2.06E+02	1.05E-03	-1.19E-04	4.90E-04
2.06E+02	1.02E-03	-1.57E-04	3.89E-04
2.06E+02	9.40E-04	-1.46E-04	3.05E-04
2.06E+02	8.96E-04	-8.87E-05	1.68E-04
2.06E+02	9.20E-04	-8.58E-06	2.65E-05
2.06E+02	9.18E-04	6.26E-05	-7.57E-05
2.06E+02	8.98E-04	1.06E-04	-2.16E-04
2.06E+02	8.95E-04	1.68E-04	-2.77E-04
2.06E+02	9.00E-04	2.59E-04	-2.77E-04
2.06E+02	9.00E-04	3.46E-04	-3.25E-04
2.06E+02	8.47E-04	4.44E-04	-3.56E-04
2.06E+02	7.95E-04	5.60E-04	-3.95E-04
2.06E+02	7.78E-04	6.94E-04	-3.94E-04
2.06E+02	7.21E-04	8.03E-04	-3.19E-04
2.06E+02	6.61E-04	8.48E-04	-2.51E-04
2.06E+02	6.46E-04	8.70E-04	-1.31E-04
2.06E+02	6.55E-04	8.73E-04	-1.07E-05
2.06E+02	6.82E-04	8.39E-04	3.85E-05
2.06E+02	6.89E-04	8.09E-04	1.34E-04

2.06E+02	6.99E-04	7.65E-04	2.23E-04
2.06E+02	7.77E-04	7.15E-04	2.82E-04
2.06E+02	8.63E-04	6.77E-04	3.43E-04
2.06E+02	9.03E-04	5.77E-04	3.02E-04
2.06E+02	9.47E-04	4.73E-04	2.86E-04
2.06E+02	1.01E-03	3.95E-04	3.31E-04
2.06E+02	1.06E-03	2.77E-04	2.86E-04
2.06E+02	1.07E-03	1.61E-04	2.44E-04
2.06E+02	1.06E-03	7.27E-05	2.25E-04
2.06E+02	1.09E-03	2.21E-05	2.09E-04
2.06E+02	1.09E-03	1.96E-05	2.04E-04
2.06E+02	1.06E-03	1.13E-05	8.45E-05
2.06E+02	1.07E-03	2.12E-05	-6.47E-05
2.06E+02	1.10E-03	7.93E-05	-1.49E-04
2.06E+02	1.16E-03	1.18E-04	-2.45E-04
2.06E+02	1.20E-03	1.27E-04	-2.84E-04
2.06E+02	1.22E-03	1.29E-04	-2.26E-04
2.06E+02	1.30E-03	1.13E-04	-1.20E-04
2.06E+02	1.35E-03	7.86E-05	1.96E-05
2.06E+02	1.35E-03	1.95E-05	1.20E-04
2.06E+02	1.34E-03	-2.96E-05	2.03E-04
2.06E+02	1.31E-03	-2.94E-05	3.07E-04
2.06E+02	1.28E-03	-6.48E-06	3.51E-04
2.06E+02	1.21E-03	3.07E-05	3.84E-04
2.06E+02	1.12E-03	1.30E-04	4.69E-04
2.06E+02	1.07E-03	2.77E-04	5.70E-04
2.06E+02	1.00E-03	4.35E-04	6.97E-04
2.06E+02	9.15E-04	5.79E-04	7.96E-04
2.06E+02	8.36E-04	6.92E-04	8.63E-04
2.06E+02	7.79E-04	8.19E-04	9.49E-04
2.06E+02	7.49E-04	9.28E-04	9.49E-04
2.06E+02	7.17E-04	9.88E-04	8.83E-04
2.06E+02	6.80E-04	1.03E-03	8.24E-04
2.06E+02	7.05E-04	1.04E-03	7.25E-04
2.06E+02	7.65E-04	1.01E-03	6.27E-04
2.06E+02	7.99E-04	9.33E-04	4.83E-04
2.06E+02	8.46E-04	8.16E-04	2.95E-04
2.06E+02	9.08E-04	7.23E-04	1.70E-04
2.06E+02	9.82E-04	6.32E-04	2.06E-05
2.06E+02	1.05E-03	5.39E-04	-1.46E-04
2.06E+02	1.10E-03	4.68E-04	-2.41E-04
2.06E+02	1.18E-03	4.16E-04	-2.79E-04
2.06E+02	1.29E-03	3.97E-04	-2.33E-04
2.06E+02	1.33E-03	3.52E-04	-1.77E-04
2.06E+02	1.36E-03	2.56E-04	-1.37E-04
2.06E+02	1.41E-03	1.70E-04	-2.29E-06
2.06E+02	1.44E-03	5.68E-05	1.61E-04

2.06E+02	1.44E-03	-9.73E-05	2.86E-04
2.06E+02	1.35E-03	-2.50E-04	3.95E-04
2.06E+02	1.26E-03	-3.61E-04	4.79E-04
2.06E+02	1.17E-03	-4.15E-04	5.72E-04
2.06E+02	1.00E-03	-4.58E-04	6.31E-04
2.06E+02	8.32E-04	-4.79E-04	6.25E-04
2.06E+02	6.74E-04	-4.53E-04	6.35E-04
2.06E+02	5.12E-04	-4.08E-04	6.41E-04
2.06E+02	3.83E-04	-3.54E-04	6.16E-04
2.06E+02	2.24E-04	-3.00E-04	5.89E-04
2.06E+02	9.59E-05	-2.24E-04	5.45E-04
2.06E+02	3.81E-05	-1.04E-04	4.89E-04
2.06E+02	-4.86E-05	6.10E-06	4.07E-04
2.06E+02	-1.38E-04	7.90E-05	2.97E-04
2.06E+02	-1.91E-04	1.71E-04	2.44E-04
2.06E+02	-2.25E-04	2.68E-04	2.09E-04
2.06E+02	-2.54E-04	3.30E-04	1.27E-04
2.06E+02	-3.11E-04	3.89E-04	4.62E-05
2.06E+02	-3.33E-04	4.59E-04	-3.17E-05
2.06E+02	-2.90E-04	5.23E-04	-8.20E-05
2.06E+02	-2.57E-04	5.69E-04	-9.82E-05
2.06E+02	-2.31E-04	5.90E-04	-1.29E-04
2.06E+02	-1.66E-04	6.23E-04	-1.03E-04
2.06E+02	-6.64E-05	6.88E-04	-2.02E-05
2.06E+02	2.99E-05	7.23E-04	1.09E-05
2.06E+02	1.06E-04	7.25E-04	6.14E-05
2.06E+02	2.05E-04	7.35E-04	1.88E-04
2.06E+02	3.31E-04	7.57E-04	3.60E-04
2.06E+02	4.33E-04	7.73E-04	5.20E-04
2.06E+02	5.17E-04	7.58E-04	5.86E-04
2.06E+02	6.11E-04	7.56E-04	6.60E-04
2.06E+02	7.12E-04	7.81E-04	7.53E-04
2.06E+02	7.93E-04	7.91E-04	7.42E-04
2.06E+02	8.03E-04	8.07E-04	6.94E-04
2.06E+02	7.89E-04	8.35E-04	6.31E-04
2.06E+02	8.07E-04	8.74E-04	5.48E-04
2.06E+02	7.98E-04	9.02E-04	4.56E-04
2.06E+02	7.63E-04	8.85E-04	3.07E-04
2.06E+02	7.52E-04	8.83E-04	2.08E-04
2.06E+02	7.64E-04	9.06E-04	1.60E-04
2.06E+02	7.87E-04	9.11E-04	5.02E-05
2.06E+02	7.84E-04	9.15E-04	-4.54E-05
2.06E+02	7.76E-04	9.30E-04	-9.25E-05
2.06E+02	8.05E-04	9.82E-04	-1.06E-04
2.06E+02	7.95E-04	1.02E-03	-1.28E-04
2.06E+02	7.62E-04	1.02E-03	-2.17E-04
2.06E+02	7.63E-04	1.04E-03	-2.67E-04

2.06E+02	7.79E-04	1.05E-03	-2.60E-04
2.06E+02	8.35E-04	1.04E-03	-2.40E-04
2.06E+02	8.63E-04	1.01E-03	-1.67E-04
2.06E+02	8.61E-04	9.72E-04	-6.05E-05
2.06E+02	9.07E-04	9.23E-04	4.62E-05
2.06E+02	9.30E-04	8.50E-04	1.46E-04
2.06E+02	8.96E-04	7.55E-04	1.85E-04
2.06E+02	8.44E-04	6.62E-04	1.90E-04
2.06E+02	7.73E-04	6.06E-04	2.22E-04
2.06E+02	6.87E-04	5.69E-04	1.95E-04
2.06E+02	5.68E-04	5.31E-04	8.72E-05
2.06E+02	4.27E-04	5.36E-04	-2.48E-06
2.06E+02	3.17E-04	5.83E-04	-4.84E-05
2.06E+02	2.11E-04	6.23E-04	-8.18E-05
2.06E+02	8.95E-05	6.28E-04	-1.76E-04
2.06E+02	-1.56E-05	6.03E-04	-3.14E-04
2.06E+02	-8.58E-05	6.04E-04	-3.73E-04
2.06E+02	-1.11E-04	6.27E-04	-3.94E-04
2.06E+02	-1.51E-04	6.23E-04	-4.21E-04
2.06E+02	-2.32E-04	6.17E-04	-3.95E-04
2.06E+02	-2.89E-04	6.24E-04	-3.60E-04
2.06E+02	-3.35E-04	6.32E-04	-3.11E-04
2.06E+02	-4.31E-04	6.16E-04	-2.62E-04
2.06E+02	-5.24E-04	5.85E-04	-2.41E-04
2.06E+02	-5.78E-04	5.87E-04	-1.66E-04
2.06E+02	-6.21E-04	5.94E-04	-1.03E-04
2.06E+02	-6.51E-04	5.82E-04	-9.31E-05
2.06E+02	-6.80E-04	5.90E-04	-7.32E-05
2.06E+02	-6.57E-04	6.34E-04	-5.97E-05
2.06E+02	-5.63E-04	6.89E-04	-9.16E-06
2.06E+02	-4.76E-04	7.00E-04	4.39E-06
2.06E+02	-3.69E-04	6.72E-04	-3.95E-05
2.06E+02	-2.24E-04	6.59E-04	-7.06E-06
2.06E+02	-6.16E-05	6.48E-04	-1.43E-05
2.06E+02	9.21E-05	6.26E-04	-7.10E-05
2.06E+02	1.70E-04	6.04E-04	-7.95E-05
2.06E+02	2.35E-04	5.76E-04	-1.34E-04
2.06E+02	3.08E-04	5.57E-04	-1.95E-04
2.07E+02	2.94E-04	5.26E-04	-2.55E-04
2.07E+02	2.34E-04	4.68E-04	-3.56E-04
2.07E+02	1.75E-04	4.39E-04	-3.66E-04
2.07E+02	1.17E-04	4.23E-04	-3.21E-04
2.07E+02	7.04E-05	3.70E-04	-2.76E-04
2.07E+02	-1.70E-05	2.95E-04	-1.96E-04
2.07E+02	-9.77E-05	2.29E-04	-1.33E-04
2.07E+02	-1.41E-04	1.97E-04	-6.64E-05
2.07E+02	-2.28E-04	1.68E-04	-3.95E-05

2.07E+02	-3.21E-04	1.25E-04	-1.09E-04
2.07E+02	-3.74E-04	1.15E-04	-1.47E-04
2.07E+02	-4.13E-04	1.23E-04	-1.65E-04
2.07E+02	-4.46E-04	1.14E-04	-2.20E-04
2.07E+02	-5.11E-04	9.69E-05	-2.63E-04
2.07E+02	-5.54E-04	6.90E-05	-3.19E-04
2.07E+02	-5.37E-04	1.96E-05	-3.80E-04
2.07E+02	-5.48E-04	-6.08E-05	-4.41E-04
2.07E+02	-5.62E-04	-1.87E-04	-5.33E-04
2.07E+02	-5.31E-04	-3.00E-04	-5.67E-04
2.07E+02	-4.71E-04	-3.75E-04	-5.60E-04
2.07E+02	-3.86E-04	-4.55E-04	-5.92E-04
2.07E+02	-3.23E-04	-5.23E-04	-5.94E-04
2.07E+02	-2.60E-04	-5.66E-04	-5.72E-04
2.07E+02	-1.56E-04	-5.62E-04	-5.46E-04
2.07E+02	-8.28E-05	-5.37E-04	-5.43E-04
2.07E+02	-3.53E-05	-5.54E-04	-6.30E-04
2.07E+02	3.81E-05	-5.53E-04	-6.69E-04
2.07E+02	9.17E-05	-5.40E-04	-6.43E-04
2.07E+02	1.31E-04	-5.37E-04	-6.13E-04
2.07E+02	1.39E-04	-5.04E-04	-4.97E-04
2.07E+02	1.31E-04	-4.71E-04	-3.67E-04
2.07E+02	1.91E-04	-4.28E-04	-2.41E-04
2.07E+02	2.50E-04	-3.83E-04	-1.11E-04
2.07E+02	3.07E-04	-3.60E-04	-5.78E-05
2.07E+02	3.94E-04	-3.13E-04	-5.15E-06
2.07E+02	4.82E-04	-2.45E-04	3.80E-05
2.07E+02	5.80E-04	-2.06E-04	-9.54E-06
2.07E+02	6.17E-04	-1.93E-04	-8.22E-05
2.07E+02	6.07E-04	-1.89E-04	-1.62E-04
2.07E+02	6.30E-04	-1.90E-04	-2.47E-04
2.07E+02	6.00E-04	-1.91E-04	-2.95E-04
2.07E+02	5.02E-04	-2.28E-04	-3.61E-04
2.07E+02	4.00E-04	-2.63E-04	-3.79E-04
2.07E+02	2.77E-04	-2.67E-04	-3.28E-04
2.07E+02	1.48E-04	-2.87E-04	-3.41E-04
2.07E+02	6.29E-06	-3.05E-04	-3.68E-04
2.07E+02	-1.46E-04	-3.37E-04	-3.91E-04
2.07E+02	-2.24E-04	-3.73E-04	-4.07E-04
2.07E+02	-2.70E-04	-4.00E-04	-3.66E-04
2.07E+02	-3.22E-04	-4.76E-04	-3.78E-04
2.07E+02	-3.38E-04	-5.62E-04	-3.88E-04
2.07E+02	-3.34E-04	-6.39E-04	-3.07E-04
2.07E+02	-2.96E-04	-7.42E-04	-2.54E-04
2.07E+02	-2.75E-04	-8.58E-04	-2.28E-04
2.07E+02	-2.91E-04	-9.73E-04	-1.75E-04
2.07E+02	-2.53E-04	-1.06E-03	-1.04E-04

2.07E+02	-2.22E-04	-1.13E-03	-2.16E-05
2.07E+02	-2.36E-04	-1.20E-03	-1.66E-05
2.07E+02	-2.14E-04	-1.23E-03	-7.72E-05
2.07E+02	-1.74E-04	-1.19E-03	-8.81E-05
2.07E+02	-1.34E-04	-1.14E-03	-6.92E-05
2.07E+02	-1.19E-04	-1.07E-03	-3.41E-05
2.07E+02	-1.46E-04	-9.90E-04	1.62E-05
2.07E+02	-1.39E-04	-9.20E-04	6.20E-05
2.07E+02	-1.47E-04	-8.53E-04	1.17E-04
2.07E+02	-2.22E-04	-8.35E-04	9.90E-05
2.07E+02	-2.95E-04	-8.47E-04	4.20E-05
2.07E+02	-3.62E-04	-8.34E-04	4.20E-05
2.07E+02	-4.13E-04	-8.26E-04	-1.72E-06
2.07E+02	-4.78E-04	-8.29E-04	-7.06E-05
2.07E+02	-5.86E-04	-8.14E-04	-9.77E-05
2.07E+02	-6.46E-04	-7.65E-04	-1.32E-04
2.07E+02	-6.78E-04	-6.83E-04	-1.36E-04
2.07E+02	-7.35E-04	-6.20E-04	-1.68E-04
2.07E+02	-7.52E-04	-5.79E-04	-2.33E-04
2.07E+02	-7.19E-04	-5.24E-04	-2.13E-04
2.07E+02	-6.53E-04	-4.82E-04	-2.08E-04
2.07E+02	-5.73E-04	-4.63E-04	-2.23E-04
2.07E+02	-5.13E-04	-4.64E-04	-1.98E-04
2.07E+02	-4.21E-04	-5.05E-04	-1.93E-04
2.07E+02	-3.11E-04	-5.68E-04	-1.77E-04
2.07E+02	-2.54E-04	-6.72E-04	-1.79E-04
2.07E+02	-2.21E-04	-8.10E-04	-2.07E-04
2.07E+02	-1.90E-04	-9.25E-04	-1.68E-04
2.07E+02	-1.52E-04	-1.04E-03	-1.49E-04
2.07E+02	-1.19E-04	-1.16E-03	-1.77E-04
2.07E+02	-1.20E-04	-1.26E-03	-1.61E-04
2.07E+02	-9.46E-05	-1.33E-03	-9.52E-05
2.07E+02	-2.61E-05	-1.35E-03	3.03E-05
2.07E+02	-1.07E-05	-1.35E-03	1.14E-04
2.07E+02	-9.16E-06	-1.35E-03	1.22E-04
2.07E+02	3.41E-05	-1.29E-03	1.90E-04
2.07E+02	5.97E-05	-1.21E-03	2.60E-04
2.07E+02	7.32E-05	-1.14E-03	2.54E-04
2.07E+02	5.30E-05	-1.05E-03	2.12E-04
2.07E+02	3.83E-05	-9.83E-04	1.27E-04
2.07E+02	7.71E-05	-9.13E-04	5.86E-05
2.07E+02	7.93E-05	-8.70E-04	1.20E-05
2.07E+02	7.06E-05	-8.84E-04	-7.92E-05
2.07E+02	8.18E-05	-8.99E-04	-1.22E-04
2.07E+02	7.11E-05	-9.15E-04	-1.29E-04
2.07E+02	2.73E-05	-9.54E-04	-1.78E-04
2.07E+02	-7.29E-05	-9.93E-04	-1.96E-04

2.07E+02	-1.79E-04	-1.01E-03	-1.85E-04
2.07E+02	-2.65E-04	-9.87E-04	-1.46E-04
2.07E+02	-3.92E-04	-9.83E-04	-1.00E-04
2.07E+02	-5.23E-04	-1.01E-03	-1.07E-04
2.07E+02	-6.01E-04	-1.03E-03	-6.43E-05
2.07E+02	-6.29E-04	-1.02E-03	4.98E-05
2.07E+02	-6.20E-04	-1.02E-03	1.39E-04
2.07E+02	-6.28E-04	-1.04E-03	2.03E-04
2.07E+02	-6.20E-04	-1.06E-03	2.49E-04
2.07E+02	-5.66E-04	-1.08E-03	2.69E-04
2.07E+02	-5.57E-04	-1.10E-03	2.65E-04
2.07E+02	-5.82E-04	-1.14E-03	2.16E-04
2.07E+02	-6.08E-04	-1.14E-03	2.01E-04
2.07E+02	-6.45E-04	-1.09E-03	2.57E-04
2.07E+02	-6.64E-04	-1.03E-03	2.98E-04
2.07E+02	-7.15E-04	-9.56E-04	3.63E-04
2.07E+02	-7.83E-04	-8.57E-04	4.41E-04
2.07E+02	-7.87E-04	-7.37E-04	4.89E-04
2.07E+02	-7.98E-04	-6.17E-04	5.11E-04
2.07E+02	-8.20E-04	-5.52E-04	4.18E-04
2.07E+02	-7.85E-04	-5.07E-04	2.96E-04
2.07E+02	-7.19E-04	-4.50E-04	2.47E-04
2.07E+02	-6.36E-04	-4.22E-04	1.99E-04
2.07E+02	-5.97E-04	-4.15E-04	1.77E-04
2.07E+02	-5.97E-04	-4.01E-04	1.61E-04
2.07E+02	-5.59E-04	-3.73E-04	1.38E-04
2.07E+02	-5.40E-04	-3.33E-04	1.32E-04
2.07E+02	-5.75E-04	-3.21E-04	5.99E-05
2.07E+02	-6.13E-04	-2.95E-04	6.48E-06
2.07E+02	-6.47E-04	-2.16E-04	2.02E-05
2.07E+02	-6.64E-04	-1.37E-04	-7.44E-06
2.07E+02	-6.95E-04	-4.88E-05	-3.24E-06
2.07E+02	-7.55E-04	4.18E-05	4.58E-05
2.07E+02	-7.53E-04	1.48E-04	1.22E-04
2.07E+02	-7.40E-04	2.72E-04	2.32E-04
2.07E+02	-7.79E-04	3.22E-04	2.49E-04
2.07E+02	-7.86E-04	3.30E-04	2.41E-04
2.07E+02	-7.71E-04	3.49E-04	2.88E-04
2.07E+02	-7.59E-04	3.27E-04	3.00E-04
2.07E+02	-7.73E-04	2.75E-04	3.12E-04
2.07E+02	-8.25E-04	2.00E-04	3.45E-04
2.07E+02	-8.50E-04	1.17E-04	3.60E-04
2.07E+02	-8.63E-04	5.42E-05	3.98E-04
2.07E+02	-8.96E-04	-6.48E-06	4.05E-04
2.07E+02	-9.07E-04	-4.06E-05	4.01E-04
2.07E+02	-8.88E-04	-2.08E-05	4.73E-04
2.07E+02	-8.46E-04	1.37E-05	4.79E-04

2.07E+02	-8.30E-04	4.35E-05	3.98E-04
2.07E+02	-8.59E-04	8.11E-05	3.33E-04
2.07E+02	-8.48E-04	1.43E-04	3.17E-04
2.07E+02	-8.44E-04	2.13E-04	3.61E-04
2.07E+02	-9.00E-04	2.43E-04	3.69E-04
2.07E+02	-9.27E-04	2.61E-04	3.64E-04
2.07E+02	-9.34E-04	3.03E-04	4.36E-04
2.07E+02	-9.34E-04	3.35E-04	4.84E-04
2.07E+02	-9.39E-04	3.59E-04	4.84E-04
2.07E+02	-9.69E-04	3.81E-04	4.90E-04
2.07E+02	-9.48E-04	3.93E-04	4.52E-04
2.07E+02	-9.04E-04	4.15E-04	4.18E-04
2.07E+02	-9.04E-04	3.97E-04	3.72E-04
2.07E+02	-8.92E-04	3.38E-04	2.79E-04
2.07E+02	-8.58E-04	2.95E-04	2.80E-04
2.07E+02	-8.19E-04	2.31E-04	2.97E-04
2.07E+02	-7.71E-04	1.43E-04	2.55E-04
2.07E+02	-7.56E-04	6.16E-05	2.53E-04
2.07E+02	-7.16E-04	8.77E-06	2.57E-04
2.07E+02	-6.34E-04	-1.72E-06	2.93E-04
2.07E+02	-5.91E-04	-3.81E-06	3.21E-04
2.07E+02	-5.39E-04	-1.13E-05	3.06E-04
2.07E+02	-4.60E-04	1.70E-05	3.70E-04
2.07E+02	-3.88E-04	6.66E-05	4.26E-04
2.07E+02	-3.38E-04	1.06E-04	4.00E-04
2.07E+02	-3.54E-04	1.61E-04	3.65E-04
2.07E+02	-3.64E-04	2.23E-04	2.88E-04
2.07E+02	-3.43E-04	2.76E-04	2.08E-04
2.07E+02	-3.69E-04	3.01E-04	1.71E-04
2.07E+02	-3.95E-04	2.98E-04	1.32E-04
2.07E+02	-3.95E-04	3.00E-04	1.46E-04
2.07E+02	-3.77E-04	3.03E-04	1.69E-04
2.07E+02	-3.42E-04	2.90E-04	1.30E-04
2.07E+02	-3.44E-04	2.71E-04	1.18E-04
2.07E+02	-3.37E-04	2.64E-04	1.04E-04
2.07E+02	-2.91E-04	2.75E-04	8.34E-05
2.07E+02	-2.74E-04	2.78E-04	7.76E-05
2.07E+02	-2.92E-04	2.36E-04	-1.26E-05
2.07E+02	-2.98E-04	1.90E-04	-5.30E-05
2.07E+02	-2.90E-04	1.63E-04	-5.53E-06
2.07E+02	-3.09E-04	1.03E-04	-1.91E-07
2.07E+02	-3.79E-04	4.96E-05	2.71E-05
2.07E+02	-4.43E-04	2.40E-05	4.58E-05
2.07E+02	-4.60E-04	3.13E-05	4.48E-05
2.07E+02	-4.79E-04	7.46E-05	7.13E-05
2.07E+02	-4.94E-04	9.59E-05	5.80E-05
2.07E+02	-4.76E-04	1.34E-04	8.47E-05

2.07E+02	-4.26E-04	1.85E-04	1.61E-04
2.07E+02	-3.64E-04	1.85E-04	1.66E-04
2.07E+02	-3.36E-04	1.66E-04	1.76E-04
2.08E+02	-3.27E-04	1.22E-04	1.95E-04
2.08E+02	-2.95E-04	9.12E-05	1.93E-04
2.08E+02	-3.07E-04	8.22E-05	2.19E-04
2.08E+02	-3.72E-04	2.77E-05	1.91E-04
2.08E+02	-4.26E-04	-7.44E-06	1.96E-04
2.08E+02	-4.88E-04	-2.37E-05	2.54E-04
2.08E+02	-5.66E-04	-7.42E-05	2.34E-04
2.08E+02	-6.73E-04	-1.04E-04	2.33E-04
2.08E+02	-7.89E-04	-1.21E-04	2.26E-04
2.08E+02	-8.38E-04	-1.35E-04	1.69E-04
2.08E+02	-8.91E-04	-1.41E-04	1.08E-04
2.08E+02	-9.58E-04	-1.73E-04	-3.34E-05
2.08E+02	-9.78E-04	-1.98E-04	-1.49E-04
2.08E+02	-9.81E-04	-1.88E-04	-1.33E-04
2.08E+02	-9.57E-04	-1.93E-04	-1.42E-04
2.08E+02	-9.59E-04	-2.11E-04	-1.65E-04
2.08E+02	-9.97E-04	-2.09E-04	-1.34E-04
2.08E+02	-9.87E-04	-1.67E-04	-1.03E-04
2.08E+02	-9.84E-04	-9.29E-05	-5.89E-05
2.08E+02	-1.01E-03	-2.54E-05	-7.38E-05
2.08E+02	-1.01E-03	6.28E-05	-1.15E-04
2.08E+02	-9.94E-04	1.90E-04	-4.22E-05
2.08E+02	-9.63E-04	2.96E-04	5.13E-05
2.08E+02	-9.71E-04	3.75E-04	1.30E-04
2.08E+02	-1.03E-03	4.32E-04	2.15E-04
2.08E+02	-1.05E-03	4.62E-04	2.49E-04
2.08E+02	-1.07E-03	4.79E-04	2.76E-04
2.08E+02	-1.14E-03	4.61E-04	2.68E-04
2.08E+02	-1.19E-03	4.27E-04	2.31E-04
2.08E+02	-1.21E-03	4.12E-04	2.55E-04
2.08E+02	-1.21E-03	3.85E-04	2.60E-04
2.08E+02	-1.23E-03	3.32E-04	2.46E-04
2.08E+02	-1.28E-03	2.69E-04	2.73E-04
2.08E+02	-1.26E-03	2.13E-04	3.11E-04
2.08E+02	-1.21E-03	1.65E-04	3.85E-04
2.08E+02	-1.17E-03	8.45E-05	4.15E-04
2.08E+02	-1.08E-03	-1.95E-05	3.76E-04
2.08E+02	-9.48E-04	-8.74E-05	3.72E-04
2.08E+02	-7.92E-04	-1.17E-04	3.23E-04
2.08E+02	-6.43E-04	-1.24E-04	2.13E-04
2.08E+02	-5.50E-04	-9.44E-05	1.14E-04
2.08E+02	-4.58E-04	-2.96E-05	-1.24E-05
2.08E+02	-3.74E-04	6.20E-05	-1.08E-04
2.08E+02	-3.69E-04	1.44E-04	-1.76E-04

2.08E+02	-4.13E-04	1.91E-04	-2.44E-04
2.08E+02	-4.85E-04	2.30E-04	-2.20E-04
2.08E+02	-5.80E-04	2.22E-04	-1.81E-04
2.08E+02	-6.92E-04	1.33E-04	-1.59E-04
2.08E+02	-8.57E-04	1.64E-05	-8.98E-05
2.08E+02	-9.98E-04	-1.08E-04	-2.69E-05
2.08E+02	-1.09E-03	-2.08E-04	5.72E-05
2.08E+02	-1.20E-03	-2.89E-04	1.33E-04
2.08E+02	-1.27E-03	-3.68E-04	1.52E-04
2.08E+02	-1.30E-03	-4.09E-04	2.07E-04
2.08E+02	-1.30E-03	-4.33E-04	2.40E-04
2.08E+02	-1.28E-03	-4.56E-04	1.95E-04
2.08E+02	-1.33E-03	-4.80E-04	1.54E-04
2.08E+02	-1.37E-03	-4.92E-04	1.07E-04
2.08E+02	-1.38E-03	-4.72E-04	8.91E-05
2.08E+02	-1.42E-03	-4.36E-04	9.92E-05
2.08E+02	-1.45E-03	-3.82E-04	5.09E-05
2.08E+02	-1.46E-03	-2.88E-04	6.12E-05
2.08E+02	-1.42E-03	-1.57E-04	1.25E-04
2.08E+02	-1.36E-03	-4.69E-05	1.38E-04
2.08E+02	-1.32E-03	3.72E-05	1.81E-04
2.08E+02	-1.27E-03	9.77E-05	2.24E-04
2.08E+02	-1.19E-03	1.23E-04	2.45E-04
2.08E+02	-1.18E-03	1.26E-04	2.34E-04
2.08E+02	-1.19E-03	4.83E-05	1.46E-04
2.08E+02	-1.14E-03	-2.42E-05	1.39E-04
2.08E+02	-1.11E-03	-5.34E-05	2.10E-04
2.08E+02	-1.15E-03	-9.75E-05	2.20E-04
2.08E+02	-1.17E-03	-8.75E-05	2.75E-04
2.08E+02	-1.14E-03	-7.80E-05	4.57E-04
2.08E+02	-1.09E-03	-4.41E-05	5.81E-04
2.08E+02	-1.05E-03	-6.68E-06	4.97E-04
2.08E+02	-1.03E-03	-1.72E-05	4.30E-04
2.08E+02	-9.75E-04	7.19E-05	4.88E-04
2.08E+02	-8.72E-04	1.39E-04	4.59E-04
2.08E+02	-7.61E-04	1.49E-04	4.67E-04
2.08E+02	-7.18E-04	2.37E-04	6.19E-04
2.08E+02	-7.35E-04	2.87E-04	6.27E-04
2.08E+02	-7.21E-04	3.30E-04	5.70E-04
2.08E+02	-7.52E-04	4.03E-04	6.49E-04
2.08E+02	-8.53E-04	3.91E-04	6.07E-04
2.08E+02	-9.36E-04	4.31E-04	4.34E-04
2.08E+02	-1.05E-03	4.86E-04	4.19E-04
2.08E+02	-1.15E-03	4.49E-04	4.72E-04
2.08E+02	-1.29E-03	4.90E-04	3.61E-04
2.08E+02	-1.51E-03	5.03E-04	1.58E-04
2.08E+02	-1.63E-03	4.43E-04	9.42E-05

2.08E+02	-1.74E-03	4.42E-04	8.51E-05
2.08E+02	-1.87E-03	3.85E-04	-9.14E-05
2.08E+02	-1.91E-03	3.15E-04	-2.40E-04
2.08E+02	-1.93E-03	3.15E-04	-2.02E-04
2.08E+02	-1.88E-03	2.74E-04	-2.32E-04
2.08E+02	-1.87E-03	1.48E-04	-3.33E-04
2.08E+02	-1.89E-03	2.10E-05	-2.90E-04
2.08E+02	-1.83E-03	-5.66E-05	-1.60E-04
2.08E+02	-1.81E-03	-1.79E-04	-1.07E-04
2.08E+02	-1.80E-03	-3.19E-04	-1.60E-04
2.08E+02	-1.77E-03	-3.93E-04	-1.42E-04
2.08E+02	-1.76E-03	-4.52E-04	-9.31E-05
2.08E+02	-1.75E-03	-5.03E-04	-1.39E-04
2.08E+02	-1.76E-03	-5.09E-04	-4.16E-05
2.08E+02	-1.83E-03	-4.63E-04	1.22E-04
2.08E+02	-1.82E-03	-3.87E-04	1.35E-04
2.08E+02	-1.80E-03	-3.01E-04	1.59E-04
2.08E+02	-1.79E-03	-2.34E-04	1.92E-04
2.08E+02	-1.73E-03	-1.88E-04	1.64E-04
2.08E+02	-1.66E-03	-1.17E-04	1.96E-04
2.08E+02	-1.56E-03	-5.07E-05	2.28E-04
2.08E+02	-1.50E-03	-5.74E-05	2.41E-04
2.08E+02	-1.50E-03	-9.23E-05	3.04E-04
2.08E+02	-1.46E-03	-1.07E-04	2.88E-04
2.08E+02	-1.45E-03	-1.17E-04	2.25E-04
2.08E+02	-1.51E-03	-1.37E-04	1.72E-04
2.08E+02	-1.55E-03	-1.66E-04	4.83E-05
2.08E+02	-1.57E-03	-1.79E-04	-8.45E-05
2.08E+02	-1.56E-03	-1.67E-04	-2.11E-04
2.08E+02	-1.55E-03	-1.38E-04	-3.04E-04
2.08E+02	-1.53E-03	-9.29E-05	-3.55E-04
2.08E+02	-1.47E-03	-8.09E-05	-4.56E-04
2.08E+02	-1.37E-03	-9.82E-05	-5.28E-04
2.08E+02	-1.28E-03	-1.21E-04	-5.52E-04
2.08E+02	-1.18E-03	-1.91E-04	-5.94E-04
2.08E+02	-1.05E-03	-2.79E-04	-5.85E-04
2.08E+02	-8.96E-04	-3.51E-04	-5.61E-04
2.08E+02	-7.51E-04	-4.26E-04	-5.32E-04
2.08E+02	-6.64E-04	-4.80E-04	-4.77E-04
2.08E+02	-5.63E-04	-4.94E-04	-4.59E-04
2.08E+02	-4.62E-04	-4.76E-04	-3.93E-04
2.08E+02	-4.51E-04	-4.64E-04	-3.00E-04
2.08E+02	-4.64E-04	-4.88E-04	-2.53E-04
2.08E+02	-4.76E-04	-4.85E-04	-1.88E-04
2.08E+02	-4.92E-04	-4.88E-04	-1.32E-04
2.08E+02	-5.13E-04	-5.34E-04	-6.94E-05
2.08E+02	-5.46E-04	-5.54E-04	2.14E-05

2.08E+02	-5.54E-04	-5.61E-04	7.57E-05
2.08E+02	-5.19E-04	-5.49E-04	1.34E-04
2.08E+02	-4.68E-04	-5.22E-04	1.35E-04
2.08E+02	-4.27E-04	-5.14E-04	-2.29E-05
2.08E+02	-3.95E-04	-4.80E-04	-2.00E-04
2.08E+02	-3.54E-04	-4.33E-04	-3.55E-04
2.08E+02	-2.96E-04	-4.01E-04	-5.62E-04
2.08E+02	-2.67E-04	-3.76E-04	-7.07E-04
2.08E+02	-2.69E-04	-3.46E-04	-7.68E-04
2.08E+02	-2.54E-04	-2.89E-04	-7.59E-04
2.08E+02	-2.43E-04	-2.21E-04	-7.16E-04
2.08E+02	-2.35E-04	-1.69E-04	-7.46E-04
2.08E+02	-2.33E-04	-1.08E-04	-7.42E-04
2.08E+02	-2.23E-04	-3.30E-05	-7.54E-04
2.08E+02	-1.98E-04	4.29E-05	-8.14E-04
2.08E+02	-2.20E-04	1.55E-04	-7.77E-04
2.08E+02	-2.33E-04	2.49E-04	-7.64E-04
2.08E+02	-1.93E-04	3.03E-04	-7.49E-04
2.08E+02	-1.64E-04	3.55E-04	-6.91E-04
2.08E+02	-1.35E-04	3.48E-04	-7.08E-04
2.08E+02	-9.40E-05	3.38E-04	-6.96E-04
2.08E+02	-2.80E-05	3.73E-04	-6.25E-04
2.08E+02	7.78E-05	3.83E-04	-6.19E-04
2.08E+02	1.54E-04	3.84E-04	-6.51E-04
2.08E+02	2.11E-04	3.82E-04	-6.65E-04
2.08E+02	3.06E-04	3.84E-04	-6.33E-04
2.08E+02	3.58E-04	3.95E-04	-5.50E-04
2.08E+02	3.74E-04	3.82E-04	-5.08E-04
2.08E+02	4.07E-04	3.96E-04	-4.57E-04
2.08E+02	4.40E-04	4.59E-04	-3.41E-04
2.08E+02	4.92E-04	5.33E-04	-2.61E-04
2.08E+02	4.76E-04	5.94E-04	-2.20E-04
2.08E+02	4.21E-04	6.32E-04	-2.41E-04
2.08E+02	4.27E-04	6.62E-04	-3.17E-04
2.08E+02	4.06E-04	6.88E-04	-3.69E-04
2.08E+02	3.66E-04	6.69E-04	-4.76E-04
2.08E+02	3.43E-04	6.39E-04	-5.93E-04
2.08E+02	3.20E-04	6.55E-04	-6.33E-04
2.08E+02	3.26E-04	6.76E-04	-7.06E-04
2.08E+02	3.06E-04	6.82E-04	-7.64E-04
2.08E+02	2.62E-04	6.72E-04	-7.63E-04
2.08E+02	2.69E-04	6.85E-04	-7.50E-04
2.08E+02	2.73E-04	7.44E-04	-6.95E-04
2.08E+02	2.60E-04	7.43E-04	-6.85E-04
2.08E+02	2.83E-04	7.06E-04	-6.64E-04
2.08E+02	3.35E-04	6.96E-04	-5.13E-04
2.08E+02	4.32E-04	6.66E-04	-3.33E-04

2.08E+02	5.29E-04	6.28E-04	-1.27E-04
2.08E+02	6.01E-04	5.73E-04	4.65E-05
2.08E+02	7.16E-04	5.10E-04	9.96E-05
2.08E+02	8.34E-04	4.94E-04	1.28E-04
2.08E+02	8.91E-04	4.74E-04	6.89E-05
2.08E+02	9.24E-04	4.40E-04	-6.96E-05
2.08E+02	9.52E-04	4.48E-04	-1.31E-04
2.08E+02	9.65E-04	4.70E-04	-1.82E-04
2.08E+02	9.49E-04	4.74E-04	-2.16E-04
2.08E+02	8.67E-04	4.54E-04	-1.99E-04
2.08E+02	8.03E-04	4.27E-04	-2.02E-04
2.08E+02	7.60E-04	4.31E-04	-1.76E-04
2.08E+02	6.82E-04	4.23E-04	-1.99E-04
2.08E+02	6.67E-04	4.01E-04	-2.90E-04
2.08E+02	7.12E-04	4.30E-04	-2.96E-04
2.09E+02	7.99E-04	4.73E-04	-2.89E-04
2.09E+02	9.20E-04	5.02E-04	-2.80E-04
2.09E+02	9.95E-04	5.08E-04	-2.35E-04
2.09E+02	1.09E-03	4.74E-04	-2.47E-04
2.09E+02	1.19E-03	4.39E-04	-2.73E-04
2.09E+02	1.22E-03	3.91E-04	-3.42E-04
2.09E+02	1.23E-03	3.46E-04	-4.63E-04
2.09E+02	1.23E-03	3.72E-04	-4.79E-04
2.09E+02	1.24E-03	4.40E-04	-4.51E-04
2.09E+02	1.25E-03	5.32E-04	-4.35E-04
2.09E+02	1.20E-03	6.36E-04	-3.75E-04
2.09E+02	1.17E-03	7.14E-04	-3.39E-04
2.09E+02	1.19E-03	8.04E-04	-2.65E-04
2.09E+02	1.17E-03	8.83E-04	-1.87E-04
2.09E+02	1.18E-03	9.09E-04	-2.30E-04
2.09E+02	1.23E-03	9.35E-04	-2.68E-04
2.09E+02	1.29E-03	9.60E-04	-2.85E-04
2.09E+02	1.35E-03	9.79E-04	-2.74E-04
2.09E+02	1.35E-03	9.98E-04	-1.76E-04
2.09E+02	1.37E-03	1.01E-03	-6.18E-05
2.09E+02	1.46E-03	1.05E-03	8.64E-05
2.09E+02	1.47E-03	1.05E-03	1.94E-04
2.09E+02	1.47E-03	1.02E-03	1.79E-04
2.09E+02	1.49E-03	9.87E-04	1.75E-04
2.09E+02	1.52E-03	9.55E-04	1.27E-04
2.09E+02	1.58E-03	9.14E-04	-8.20E-06
2.09E+02	1.61E-03	8.78E-04	-9.02E-05
2.09E+02	1.64E-03	8.27E-04	-1.62E-04
2.09E+02	1.72E-03	7.93E-04	-2.20E-04
2.09E+02	1.77E-03	7.59E-04	-2.53E-04
2.09E+02	1.79E-03	6.54E-04	-3.37E-04
2.09E+02	1.83E-03	5.57E-04	-3.48E-04

2.09E+02	1.86E-03	4.94E-04	-3.04E-04
2.09E+02	1.89E-03	4.39E-04	-3.38E-04
2.09E+02	1.87E-03	4.38E-04	-3.93E-04
2.09E+02	1.84E-03	4.74E-04	-4.59E-04
2.09E+02	1.84E-03	5.33E-04	-5.16E-04
2.09E+02	1.79E-03	6.10E-04	-5.27E-04
2.09E+02	1.70E-03	6.57E-04	-5.80E-04
2.09E+02	1.63E-03	7.05E-04	-5.73E-04
2.09E+02	1.59E-03	7.56E-04	-4.43E-04
2.09E+02	1.55E-03	7.35E-04	-3.35E-04
2.09E+02	1.48E-03	6.69E-04	-2.06E-04
2.09E+02	1.40E-03	6.11E-04	-5.66E-05
2.09E+02	1.38E-03	5.76E-04	5.19E-05
2.09E+02	1.35E-03	5.74E-04	1.22E-04
2.09E+02	1.31E-03	5.50E-04	4.20E-05
2.09E+02	1.32E-03	5.51E-04	-6.35E-05
2.09E+02	1.37E-03	6.00E-04	-8.75E-05
2.09E+02	1.45E-03	6.07E-04	-1.65E-04
2.09E+02	1.52E-03	6.01E-04	-2.20E-04
2.09E+02	1.56E-03	5.95E-04	-2.41E-04
2.09E+02	1.64E-03	5.88E-04	-2.87E-04
2.09E+02	1.71E-03	6.11E-04	-3.23E-04
2.09E+02	1.73E-03	6.22E-04	-4.17E-04
2.09E+02	1.76E-03	6.50E-04	-4.86E-04
2.09E+02	1.80E-03	7.20E-04	-4.64E-04
2.09E+02	1.87E-03	7.80E-04	-4.60E-04
2.09E+02	1.94E-03	8.25E-04	-4.23E-04
2.09E+02	1.96E-03	8.62E-04	-3.46E-04
2.09E+02	2.01E-03	8.93E-04	-2.82E-04
2.09E+02	2.05E-03	9.03E-04	-1.95E-04
2.09E+02	1.99E-03	8.45E-04	-1.67E-04
2.09E+02	1.92E-03	7.39E-04	-1.57E-04
2.09E+02	1.83E-03	6.51E-04	-7.59E-05
2.09E+02	1.74E-03	5.74E-04	-3.24E-05
2.09E+02	1.63E-03	5.09E-04	1.93E-05
2.09E+02	1.49E-03	4.91E-04	1.20E-04
2.09E+02	1.40E-03	4.99E-04	1.89E-04
2.09E+02	1.35E-03	5.24E-04	2.86E-04
2.09E+02	1.28E-03	5.31E-04	3.36E-04
2.09E+02	1.23E-03	4.87E-04	2.80E-04
2.09E+02	1.21E-03	4.63E-04	2.44E-04
2.09E+02	1.21E-03	4.28E-04	1.50E-04
2.09E+02	1.24E-03	3.52E-04	2.67E-06
2.09E+02	1.23E-03	2.98E-04	-9.63E-05
2.09E+02	1.25E-03	2.52E-04	-2.06E-04
2.09E+02	1.28E-03	2.38E-04	-3.09E-04
2.09E+02	1.27E-03	2.37E-04	-4.38E-04

2.09E+02	1.24E-03	2.17E-04	-5.67E-04
2.09E+02	1.22E-03	2.41E-04	-5.68E-04
2.09E+02	1.23E-03	2.73E-04	-5.13E-04
2.09E+02	1.22E-03	2.98E-04	-4.25E-04
2.09E+02	1.18E-03	3.39E-04	-3.19E-04
2.09E+02	1.18E-03	3.76E-04	-2.70E-04
2.09E+02	1.23E-03	4.28E-04	-2.09E-04
2.09E+02	1.25E-03	4.57E-04	-1.60E-04
2.09E+02	1.27E-03	4.69E-04	-1.46E-04
2.09E+02	1.29E-03	5.02E-04	-8.53E-05
2.09E+02	1.31E-03	5.20E-04	-4.08E-05
2.09E+02	1.34E-03	5.25E-04	-1.72E-05
2.09E+02	1.30E-03	5.17E-04	4.98E-05
2.09E+02	1.27E-03	5.04E-04	1.17E-04
2.09E+02	1.25E-03	5.19E-04	1.95E-04
2.09E+02	1.17E-03	5.34E-04	2.45E-04
2.09E+02	1.06E-03	5.32E-04	2.16E-04
2.09E+02	9.78E-04	5.60E-04	2.25E-04
2.09E+02	8.95E-04	6.05E-04	2.65E-04
2.09E+02	8.29E-04	6.23E-04	2.89E-04
2.09E+02	7.32E-04	6.39E-04	3.59E-04
2.09E+02	6.57E-04	6.61E-04	4.36E-04
2.09E+02	6.48E-04	6.98E-04	5.21E-04
2.09E+02	6.14E-04	7.57E-04	5.81E-04
2.09E+02	5.76E-04	8.16E-04	5.51E-04
2.09E+02	5.64E-04	8.94E-04	5.34E-04
2.09E+02	5.69E-04	9.91E-04	5.17E-04
2.09E+02	5.83E-04	1.05E-03	4.16E-04
2.09E+02	5.69E-04	1.08E-03	3.30E-04
2.09E+02	5.75E-04	1.09E-03	2.80E-04
2.09E+02	6.27E-04	1.06E-03	2.71E-04
2.09E+02	6.79E-04	9.95E-04	3.04E-04
2.09E+02	7.26E-04	8.49E-04	2.50E-04
2.09E+02	7.89E-04	6.67E-04	2.03E-04
2.09E+02	8.72E-04	5.19E-04	2.26E-04
2.09E+02	9.42E-04	3.52E-04	2.07E-04
2.09E+02	9.50E-04	2.00E-04	2.19E-04
2.09E+02	9.32E-04	7.72E-05	2.52E-04
2.09E+02	9.43E-04	-1.62E-05	2.73E-04
2.09E+02	9.13E-04	-7.67E-05	3.32E-04
2.09E+02	8.47E-04	-1.50E-04	3.46E-04
2.09E+02	7.94E-04	-1.90E-04	3.55E-04
2.09E+02	7.43E-04	-1.90E-04	4.01E-04
2.09E+02	7.16E-04	-1.91E-04	3.86E-04
2.09E+02	6.66E-04	-1.71E-04	3.68E-04
2.09E+02	6.06E-04	-1.35E-04	3.80E-04
2.09E+02	6.02E-04	-5.65E-05	3.95E-04

2.09E+02	5.86E-04	4.98E-05	4.24E-04
2.09E+02	5.44E-04	1.18E-04	3.92E-04
2.09E+02	5.38E-04	1.79E-04	3.44E-04
2.09E+02	5.57E-04	2.35E-04	3.41E-04
2.09E+02	5.95E-04	2.55E-04	3.07E-04
2.09E+02	6.08E-04	2.36E-04	2.98E-04
2.09E+02	5.93E-04	1.80E-04	3.38E-04
2.09E+02	6.17E-04	1.20E-04	3.66E-04
2.09E+02	6.18E-04	5.05E-05	3.73E-04
2.09E+02	5.81E-04	-2.88E-05	3.13E-04
2.09E+02	5.71E-04	-9.35E-05	2.49E-04
2.09E+02	5.58E-04	-1.36E-04	2.65E-04
2.09E+02	5.55E-04	-1.75E-04	2.49E-04
2.09E+02	5.50E-04	-2.33E-04	2.25E-04
2.09E+02	5.21E-04	-2.84E-04	2.68E-04
2.09E+02	5.44E-04	-3.19E-04	3.62E-04
2.09E+02	5.85E-04	-3.54E-04	5.08E-04
2.09E+02	5.84E-04	-4.39E-04	5.71E-04
2.09E+02	5.97E-04	-5.60E-04	5.53E-04
2.09E+02	6.39E-04	-6.50E-04	5.85E-04
2.09E+02	6.81E-04	-7.46E-04	5.93E-04
2.09E+02	6.95E-04	-8.47E-04	5.80E-04
2.09E+02	6.50E-04	-9.15E-04	5.62E-04
2.09E+02	5.99E-04	-9.66E-04	4.94E-04
2.09E+02	5.38E-04	-9.84E-04	4.45E-04
2.09E+02	3.97E-04	-1.02E-03	3.57E-04
2.09E+02	2.42E-04	-1.09E-03	2.26E-04
2.09E+02	1.27E-04	-1.11E-03	2.22E-04
2.09E+02	3.95E-05	-1.13E-03	2.75E-04
2.09E+02	-3.99E-05	-1.17E-03	2.97E-04
2.09E+02	-1.26E-04	-1.19E-03	3.35E-04
2.09E+02	-1.51E-04	-1.17E-03	3.58E-04
2.09E+02	-1.36E-04	-1.09E-03	3.56E-04
2.09E+02	-1.39E-04	-1.02E-03	2.80E-04
2.09E+02	-1.13E-04	-9.60E-04	1.44E-04
2.09E+02	-5.38E-05	-8.75E-04	8.26E-05
2.09E+02	3.34E-05	-7.83E-04	6.31E-05
2.09E+02	1.14E-04	-7.06E-04	6.29E-05
2.09E+02	1.49E-04	-6.29E-04	1.38E-04
2.09E+02	2.04E-04	-5.34E-04	2.60E-04
2.09E+02	2.79E-04	-4.30E-04	4.09E-04
2.09E+02	3.02E-04	-3.45E-04	5.17E-04
2.09E+02	3.12E-04	-2.66E-04	5.31E-04
2.09E+02	3.41E-04	-1.64E-04	5.48E-04
2.09E+02	3.67E-04	-6.47E-05	5.73E-04
2.09E+02	3.99E-04	-4.01E-06	5.56E-04
2.09E+02	3.84E-04	3.30E-05	5.59E-04

2.09E+02	3.36E-04	6.26E-05	5.67E-04
2.09E+02	3.07E-04	9.27E-05	5.91E-04
2.09E+02	2.33E-04	1.07E-04	6.48E-04
2.09E+02	1.27E-04	6.50E-05	6.66E-04
2.09E+02	7.06E-05	2.35E-05	7.36E-04
2.09E+02	5.25E-05	-3.24E-06	8.47E-04
2.09E+02	2.98E-05	-6.79E-05	8.81E-04
2.09E+02	-8.20E-06	-1.38E-04	8.82E-04
2.09E+02	-2.29E-05	-2.03E-04	8.33E-04
2.09E+02	1.11E-05	-2.62E-04	7.63E-04
2.09E+02	1.91E-05	-3.31E-04	6.81E-04
2.09E+02	-5.91E-06	-4.33E-04	5.37E-04
2.09E+02	-1.16E-05	-5.06E-04	4.75E-04
2.09E+02	-1.89E-05	-5.44E-04	4.62E-04
2.09E+02	-2.80E-05	-5.74E-04	3.75E-04
2.09E+02	-6.69E-05	-5.99E-04	2.91E-04
2.09E+02	-9.78E-05	-6.11E-04	2.48E-04
2.09E+02	-5.86E-05	-5.88E-04	2.67E-04
2.09E+02	-2.99E-05	-5.85E-04	3.01E-04
2.09E+02	-4.20E-06	-6.44E-04	2.53E-04
2.09E+02	5.38E-05	-7.23E-04	2.30E-04
2.09E+02	1.14E-04	-8.21E-04	2.67E-04
2.09E+02	1.81E-04	-9.53E-04	2.81E-04
2.09E+02	2.22E-04	-1.08E-03	3.29E-04
2.09E+02	2.51E-04	-1.18E-03	4.16E-04
2.09E+02	3.15E-04	-1.24E-03	5.01E-04
2.09E+02	3.67E-04	-1.27E-03	5.78E-04
2.10E+02	3.61E-04	-1.32E-03	5.60E-04
2.10E+02	3.45E-04	-1.36E-03	5.24E-04
2.10E+02	3.54E-04	-1.34E-03	5.17E-04
2.10E+02	3.61E-04	-1.34E-03	4.43E-04
2.10E+02	3.41E-04	-1.37E-03	3.88E-04
2.10E+02	3.30E-04	-1.38E-03	3.55E-04
2.10E+02	3.79E-04	-1.36E-03	3.27E-04
2.10E+02	4.27E-04	-1.33E-03	3.52E-04
2.10E+02	4.47E-04	-1.34E-03	3.36E-04
2.10E+02	4.87E-04	-1.37E-03	3.22E-04
2.10E+02	5.31E-04	-1.38E-03	3.46E-04
2.10E+02	5.77E-04	-1.40E-03	3.30E-04
2.10E+02	5.96E-04	-1.43E-03	3.28E-04
2.10E+02	5.86E-04	-1.45E-03	3.48E-04
2.10E+02	6.20E-04	-1.47E-03	3.82E-04
2.10E+02	6.42E-04	-1.49E-03	4.47E-04
2.10E+02	6.20E-04	-1.53E-03	4.47E-04
2.10E+02	6.12E-04	-1.55E-03	4.50E-04
2.10E+02	6.07E-04	-1.54E-03	5.32E-04
2.10E+02	6.15E-04	-1.52E-03	5.53E-04

2.10E+02	6.01E-04	-1.51E-03	5.30E-04
2.10E+02	5.30E-04	-1.49E-03	5.19E-04
2.10E+02	4.84E-04	-1.44E-03	4.93E-04
2.10E+02	4.36E-04	-1.36E-03	4.77E-04
2.10E+02	3.39E-04	-1.29E-03	4.18E-04
2.10E+02	2.55E-04	-1.22E-03	3.49E-04
2.10E+02	1.89E-04	-1.10E-03	3.70E-04
2.10E+02	1.31E-04	-9.65E-04	3.92E-04
2.10E+02	5.13E-05	-8.22E-04	3.93E-04
2.10E+02	-6.01E-05	-6.83E-04	3.91E-04
2.10E+02	-1.14E-04	-5.58E-04	3.66E-04
2.10E+02	-1.35E-04	-4.38E-04	3.76E-04
2.10E+02	-1.79E-04	-3.62E-04	3.68E-04
2.10E+02	-1.81E-04	-3.09E-04	3.23E-04
2.10E+02	-1.43E-04	-2.34E-04	3.37E-04
2.10E+02	-6.92E-05	-1.68E-04	3.19E-04
2.10E+02	9.16E-06	-1.25E-04	2.31E-04
2.10E+02	3.57E-05	-9.67E-05	1.40E-04
2.10E+02	9.16E-05	-7.00E-05	2.31E-05
2.10E+02	1.37E-04	-3.78E-05	-7.51E-05
2.10E+02	9.33E-05	-4.71E-05	-1.94E-04
2.10E+02	3.64E-05	-9.65E-05	-3.26E-04
2.10E+02	-3.99E-05	-1.42E-04	-3.25E-04
2.10E+02	-1.25E-04	-1.90E-04	-2.70E-04
2.10E+02	-2.36E-04	-2.48E-04	-2.40E-04
2.10E+02	-4.16E-04	-2.93E-04	-2.22E-04
2.10E+02	-5.61E-04	-3.08E-04	-2.59E-04
2.10E+02	-6.67E-04	-2.94E-04	-2.56E-04
2.10E+02	-7.88E-04	-2.80E-04	-2.05E-04
2.10E+02	-8.95E-04	-2.97E-04	-1.85E-04
2.10E+02	-9.59E-04	-2.86E-04	-9.14E-05
2.10E+02	-9.70E-04	-2.60E-04	1.98E-05
2.10E+02	-9.76E-04	-2.62E-04	2.37E-05
2.10E+02	-1.01E-03	-2.55E-04	7.63E-07
2.10E+02	-1.00E-03	-2.32E-04	-4.48E-05
2.10E+02	-9.44E-04	-1.70E-04	-8.68E-05
2.10E+02	-9.11E-04	-1.19E-04	-1.57E-04
2.10E+02	-8.82E-04	-1.21E-04	-3.13E-04
2.10E+02	-8.19E-04	-1.02E-04	-3.93E-04
2.10E+02	-7.38E-04	-8.64E-05	-4.13E-04
2.10E+02	-6.56E-04	-1.09E-04	-4.46E-04
2.10E+02	-6.15E-04	-1.30E-04	-4.57E-04
2.10E+02	-5.64E-04	-1.50E-04	-4.97E-04
2.10E+02	-4.75E-04	-1.29E-04	-5.30E-04
2.10E+02	-4.23E-04	-8.70E-05	-5.59E-04
2.10E+02	-3.81E-04	-6.77E-05	-6.31E-04
2.10E+02	-3.30E-04	-2.86E-05	-6.22E-04

2.10E+02	-2.85E-04	-4.58E-06	-5.64E-04
2.10E+02	-2.31E-04	-3.38E-05	-5.46E-04
2.10E+02	-2.29E-04	-1.05E-04	-4.85E-04
2.10E+02	-2.34E-04	-2.04E-04	-3.90E-04
2.10E+02	-1.89E-04	-2.88E-04	-2.73E-04
2.10E+02	-1.91E-04	-3.73E-04	-1.64E-04
2.10E+02	-2.10E-04	-4.58E-04	-1.42E-04
2.10E+02	-2.18E-04	-4.93E-04	-1.28E-04
2.10E+02	-2.34E-04	-4.69E-04	-1.01E-04
2.10E+02	-2.34E-04	-4.07E-04	-1.32E-04
2.10E+02	-2.75E-04	-3.37E-04	-1.88E-04
2.10E+02	-3.29E-04	-2.90E-04	-2.81E-04
2.10E+02	-3.22E-04	-2.57E-04	-3.74E-04
2.10E+02	-3.14E-04	-2.44E-04	-3.99E-04
2.10E+02	-3.23E-04	-2.94E-04	-4.47E-04
2.10E+02	-3.17E-04	-3.55E-04	-4.76E-04
2.10E+02	-3.13E-04	-3.88E-04	-4.92E-04
2.10E+02	-2.87E-04	-4.32E-04	-6.02E-04
2.10E+02	-2.86E-04	-4.62E-04	-7.09E-04
2.10E+02	-3.13E-04	-4.56E-04	-8.01E-04
2.10E+02	-2.72E-04	-4.10E-04	-8.71E-04
2.10E+02	-2.46E-04	-3.40E-04	-8.80E-04
2.10E+02	-2.56E-04	-3.18E-04	-9.10E-04
2.10E+02	-2.39E-04	-3.07E-04	-8.96E-04
2.10E+02	-2.27E-04	-2.88E-04	-8.26E-04
2.10E+02	-2.15E-04	-3.02E-04	-8.05E-04
2.10E+02	-2.76E-04	-3.30E-04	-7.97E-04
2.10E+02	-4.04E-04	-3.80E-04	-8.37E-04
2.10E+02	-4.80E-04	-4.24E-04	-9.08E-04
2.10E+02	-5.72E-04	-4.35E-04	-9.21E-04
2.10E+02	-6.93E-04	-4.74E-04	-9.72E-04
2.10E+02	-7.78E-04	-5.13E-04	-1.01E-03
2.10E+02	-8.32E-04	-5.05E-04	-9.71E-04
2.10E+02	-8.31E-04	-4.91E-04	-9.75E-04
2.10E+02	-8.24E-04	-4.93E-04	-9.58E-04
2.10E+02	-8.30E-04	-4.93E-04	-8.91E-04
2.10E+02	-7.83E-04	-4.73E-04	-8.60E-04
2.10E+02	-7.50E-04	-4.47E-04	-8.41E-04
2.10E+02	-7.64E-04	-4.55E-04	-8.86E-04
2.10E+02	-7.63E-04	-4.69E-04	-9.53E-04
2.10E+02	-7.47E-04	-4.50E-04	-9.30E-04
2.10E+02	-7.28E-04	-4.41E-04	-9.18E-04
2.10E+02	-7.32E-04	-4.44E-04	-9.09E-04
2.10E+02	-7.81E-04	-4.23E-04	-8.41E-04
2.10E+02	-8.16E-04	-3.83E-04	-8.08E-04
2.10E+02	-8.57E-04	-3.17E-04	-7.81E-04
2.10E+02	-9.67E-04	-2.54E-04	-7.87E-04

2.10E+02	-1.10E-03	-1.88E-04	-8.37E-04
2.10E+02	-1.21E-03	-7.21E-05	-8.17E-04
2.10E+02	-1.30E-03	5.53E-05	-8.20E-04
2.10E+02	-1.38E-03	1.85E-04	-8.46E-04
2.10E+02	-1.47E-03	3.03E-04	-8.04E-04
2.10E+02	-1.49E-03	3.91E-04	-7.47E-04
2.10E+02	-1.47E-03	4.81E-04	-6.60E-04
2.10E+02	-1.48E-03	5.11E-04	-6.17E-04
2.10E+02	-1.45E-03	4.98E-04	-6.46E-04
2.10E+02	-1.37E-03	5.06E-04	-6.42E-04
2.10E+02	-1.27E-03	4.85E-04	-6.60E-04
2.10E+02	-1.17E-03	4.62E-04	-7.18E-04
2.10E+02	-1.10E-03	4.54E-04	-7.53E-04
2.10E+02	-9.88E-04	4.53E-04	-7.66E-04
2.10E+02	-8.61E-04	4.64E-04	-7.47E-04
2.10E+02	-7.88E-04	4.24E-04	-7.27E-04
2.10E+02	-7.25E-04	3.66E-04	-7.16E-04
2.10E+02	-6.65E-04	3.32E-04	-6.58E-04
2.10E+02	-6.15E-04	2.95E-04	-6.11E-04
2.10E+02	-5.68E-04	2.67E-04	-5.96E-04
2.10E+02	-5.75E-04	2.66E-04	-5.29E-04
2.10E+02	-5.75E-04	3.01E-04	-4.59E-04
2.10E+02	-5.27E-04	3.78E-04	-4.00E-04
2.10E+02	-4.95E-04	4.43E-04	-3.70E-04
2.10E+02	-4.46E-04	4.57E-04	-4.04E-04
2.10E+02	-3.44E-04	4.59E-04	-3.79E-04
2.10E+02	-2.16E-04	4.48E-04	-3.36E-04
2.10E+02	-9.63E-05	4.09E-04	-3.47E-04
2.10E+02	-3.22E-05	3.76E-04	-3.46E-04
2.10E+02	1.98E-05	3.54E-04	-3.76E-04
2.10E+02	8.72E-05	3.49E-04	-4.16E-04
2.10E+02	9.84E-05	3.41E-04	-4.43E-04
2.10E+02	7.42E-05	2.92E-04	-5.11E-04
2.10E+02	5.74E-05	2.52E-04	-5.29E-04
2.10E+02	5.23E-05	2.27E-04	-5.06E-04
2.10E+02	5.59E-05	1.63E-04	-5.28E-04
2.10E+02	3.83E-05	1.01E-04	-5.06E-04
2.10E+02	3.38E-05	5.42E-05	-4.44E-04
2.10E+02	5.89E-05	1.68E-05	-3.83E-04
2.10E+02	4.54E-05	-2.00E-05	-3.42E-04
2.10E+02	2.29E-06	-9.35E-05	-4.15E-04
2.10E+02	-1.91E-05	-1.57E-04	-4.64E-04
2.10E+02	-2.71E-05	-1.89E-04	-3.98E-04
2.10E+02	-2.90E-05	-2.31E-04	-3.39E-04
2.10E+02	-7.25E-05	-2.65E-04	-2.56E-04
2.10E+02	-1.26E-04	-2.78E-04	-1.59E-04
2.10E+02	-1.21E-04	-2.76E-04	-7.38E-05

2.10E+02	-1.36E-04	-2.75E-04	-1.34E-06
2.10E+02	-1.69E-04	-3.09E-04	-2.19E-05
2.10E+02	-1.57E-04	-3.32E-04	-2.77E-05
2.10E+02	-1.17E-04	-3.26E-04	1.26E-05
2.10E+02	-5.07E-05	-3.40E-04	-1.74E-05
2.10E+02	1.16E-05	-3.54E-04	-2.84E-05
2.10E+02	5.93E-05	-3.82E-04	-1.66E-05
2.10E+02	1.44E-04	-4.06E-04	-6.10E-06
2.10E+02	2.27E-04	-4.18E-04	4.31E-05
2.10E+02	2.68E-04	-4.87E-04	3.76E-05
2.10E+02	3.01E-04	-5.64E-04	2.56E-05
2.10E+02	3.16E-04	-6.17E-04	4.81E-05
2.10E+02	3.03E-04	-6.74E-04	1.72E-06
2.10E+02	2.24E-04	-7.10E-04	-6.28E-05
2.10E+02	8.68E-05	-7.10E-04	-1.18E-04
2.10E+02	-6.48E-06	-6.59E-04	-1.81E-04
2.10E+02	-9.99E-05	-5.64E-04	-1.94E-04
2.10E+02	-2.15E-04	-4.84E-04	-2.03E-04
2.10E+02	-2.83E-04	-4.25E-04	-1.70E-04
2.10E+02	-3.21E-04	-3.72E-04	-4.98E-05
2.10E+02	-3.33E-04	-3.79E-04	2.06E-05
2.10E+02	-3.50E-04	-4.32E-04	6.14E-05
2.10E+02	-3.92E-04	-4.66E-04	1.28E-04
2.10E+02	-3.89E-04	-4.60E-04	1.94E-04
2.10E+02	-3.71E-04	-4.03E-04	2.78E-04
2.10E+02	-3.76E-04	-3.34E-04	2.95E-04
2.10E+02	-3.62E-04	-2.64E-04	2.67E-04
2.10E+02	-3.19E-04	-1.67E-04	2.89E-04
2.10E+02	-2.57E-04	-7.55E-05	2.78E-04
2.10E+02	-2.16E-04	-1.34E-06	2.45E-04
2.10E+02	-1.93E-04	7.11E-05	2.53E-04
2.10E+02	-1.31E-04	1.50E-04	2.58E-04
2.10E+02	-6.77E-05	2.31E-04	2.83E-04
2.10E+02	-5.38E-05	2.82E-04	2.94E-04
2.10E+02	-6.05E-05	3.15E-04	2.96E-04
2.10E+02	-7.36E-05	3.63E-04	4.04E-04
2.10E+02	-7.82E-05	3.92E-04	5.17E-04
2.10E+02	-9.29E-05	3.89E-04	5.85E-04
2.10E+02	-1.37E-04	3.76E-04	6.55E-04
2.11E+02	-1.29E-04	3.68E-04	6.69E-04
2.11E+02	-7.65E-05	3.80E-04	6.90E-04
2.11E+02	-5.40E-05	3.55E-04	6.78E-04
2.11E+02	-1.37E-05	2.89E-04	5.88E-04
2.11E+02	5.93E-05	2.41E-04	5.74E-04
2.11E+02	1.28E-04	1.79E-04	5.40E-04
2.11E+02	1.75E-04	9.65E-05	4.53E-04
2.11E+02	1.61E-04	2.63E-05	4.23E-04

2.11E+02	1.53E-04	-3.17E-05	3.97E-04
2.11E+02	1.73E-04	-7.57E-05	4.10E-04
2.11E+02	1.28E-04	-1.50E-04	4.05E-04
2.11E+02	7.93E-05	-2.39E-04	3.46E-04
2.11E+02	7.21E-05	-2.89E-04	3.69E-04
2.11E+02	7.17E-05	-3.62E-04	3.87E-04
2.11E+02	8.85E-05	-4.64E-04	3.68E-04
2.11E+02	7.99E-05	-5.66E-04	4.19E-04
2.11E+02	9.52E-05	-6.59E-04	5.04E-04
2.11E+02	1.54E-04	-7.07E-04	6.25E-04
2.11E+02	1.66E-04	-7.53E-04	7.21E-04
2.11E+02	1.80E-04	-8.25E-04	7.18E-04
2.11E+02	2.14E-04	-8.62E-04	7.41E-04
2.11E+02	2.43E-04	-8.91E-04	7.68E-04
2.11E+02	2.76E-04	-9.25E-04	7.40E-04
2.11E+02	2.51E-04	-9.42E-04	7.34E-04
2.11E+02	2.33E-04	-9.40E-04	7.24E-04
2.11E+02	2.49E-04	-9.05E-04	7.25E-04
2.11E+02	2.11E-04	-8.75E-04	7.31E-04
2.11E+02	1.69E-04	-8.59E-04	6.78E-04
2.11E+02	1.22E-04	-8.34E-04	6.55E-04
2.11E+02	6.48E-05	-8.04E-04	6.42E-04
2.11E+02	4.23E-05	-7.76E-04	5.88E-04
2.11E+02	-3.01E-05	-7.51E-04	5.79E-04
2.11E+02	-1.12E-04	-7.07E-04	5.94E-04
2.11E+02	-1.29E-04	-6.51E-04	6.29E-04
2.11E+02	-1.81E-04	-6.06E-04	6.81E-04
2.11E+02	-2.55E-04	-5.93E-04	6.57E-04
2.11E+02	-2.97E-04	-5.73E-04	6.38E-04
2.11E+02	-3.35E-04	-5.11E-04	6.50E-04
2.11E+02	-3.77E-04	-4.63E-04	6.15E-04
2.11E+02	-4.71E-04	-4.21E-04	5.96E-04
2.11E+02	-5.87E-04	-3.70E-04	5.61E-04
2.11E+02	-6.59E-04	-3.27E-04	5.00E-04
2.11E+02	-7.68E-04	-2.70E-04	4.93E-04
2.11E+02	-9.01E-04	-2.44E-04	4.57E-04
2.11E+02	-9.76E-04	-2.23E-04	4.37E-04
2.11E+02	-1.01E-03	-1.68E-04	4.93E-04
2.11E+02	-9.84E-04	-1.48E-04	5.02E-04
2.11E+02	-9.41E-04	-1.45E-04	5.19E-04
2.11E+02	-8.92E-04	-1.45E-04	5.63E-04
2.11E+02	-7.80E-04	-1.38E-04	5.98E-04
2.11E+02	-6.98E-04	-1.22E-04	6.51E-04
2.11E+02	-6.60E-04	-1.58E-04	6.01E-04
2.11E+02	-6.21E-04	-1.93E-04	5.02E-04
2.11E+02	-5.86E-04	-1.87E-04	4.57E-04
2.11E+02	-5.42E-04	-1.56E-04	3.82E-04

2.11E+02	-5.42E-04	-7.82E-05	3.50E-04
2.11E+02	-5.68E-04	2.86E-05	3.78E-04
2.11E+02	-5.50E-04	1.64E-04	4.09E-04
2.11E+02	-5.37E-04	2.93E-04	4.83E-04
2.11E+02	-5.64E-04	3.60E-04	5.17E-04
2.11E+02	-6.00E-04	3.88E-04	5.41E-04
2.11E+02	-6.27E-04	3.87E-04	6.18E-04
2.11E+02	-6.33E-04	3.38E-04	6.22E-04
2.11E+02	-6.57E-04	2.71E-04	5.99E-04
2.11E+02	-6.98E-04	2.14E-04	6.00E-04
2.11E+02	-6.77E-04	1.97E-04	6.03E-04
2.11E+02	-6.53E-04	2.12E-04	6.27E-04
2.11E+02	-6.84E-04	2.01E-04	5.61E-04
2.11E+02	-7.02E-04	1.77E-04	4.47E-04
2.11E+02	-7.05E-04	1.73E-04	4.00E-04
2.11E+02	-6.99E-04	1.61E-04	3.55E-04
2.11E+02	-7.05E-04	1.55E-04	3.44E-04
2.11E+02	-7.44E-04	1.56E-04	3.79E-04
2.11E+02	-7.32E-04	1.59E-04	4.03E-04
2.11E+02	-6.77E-04	1.97E-04	4.69E-04
2.11E+02	-6.53E-04	2.04E-04	4.87E-04
2.11E+02	-5.87E-04	1.90E-04	4.64E-04
2.11E+02	-4.60E-04	2.25E-04	5.22E-04
2.11E+02	-3.23E-04	2.20E-04	5.09E-04
2.11E+02	-1.89E-04	1.81E-04	4.35E-04
2.11E+02	-1.04E-04	1.68E-04	4.18E-04
2.11E+02	-2.84E-05	1.67E-04	4.16E-04
2.11E+02	2.75E-05	2.02E-04	4.79E-04
2.11E+02	-1.83E-05	2.28E-04	5.38E-04
2.11E+02	-9.21E-05	2.32E-04	5.43E-04
2.11E+02	-1.67E-04	2.64E-04	6.18E-04
2.11E+02	-2.36E-04	2.84E-04	6.96E-04
2.11E+02	-2.80E-04	2.68E-04	7.31E-04
2.11E+02	-3.37E-04	2.49E-04	7.70E-04
2.11E+02	-3.31E-04	2.24E-04	7.65E-04
2.11E+02	-2.65E-04	2.20E-04	7.48E-04
2.11E+02	-2.34E-04	2.26E-04	6.81E-04
2.11E+02	-2.02E-04	2.09E-04	5.31E-04
2.11E+02	-1.56E-04	2.16E-04	4.63E-04
2.11E+02	-1.15E-04	2.25E-04	4.19E-04
2.11E+02	-8.01E-05	2.08E-04	3.51E-04
2.11E+02	-1.08E-04	1.86E-04	3.57E-04
2.11E+02	-1.44E-04	1.65E-04	3.65E-04
2.11E+02	-1.37E-04	1.77E-04	4.16E-04
2.11E+02	-1.92E-04	1.68E-04	4.60E-04
2.11E+02	-2.57E-04	1.27E-04	4.02E-04
2.11E+02	-2.77E-04	1.33E-04	3.84E-04

2.11E+02	-3.01E-04	1.71E-04	3.64E-04
2.11E+02	-3.15E-04	2.23E-04	3.07E-04
2.11E+02	-3.66E-04	2.86E-04	2.94E-04
2.11E+02	-4.01E-04	3.43E-04	2.77E-04
2.11E+02	-3.70E-04	4.02E-04	3.06E-04
2.11E+02	-3.76E-04	4.16E-04	3.64E-04
2.11E+02	-4.00E-04	3.69E-04	3.58E-04
2.11E+02	-4.18E-04	3.03E-04	3.89E-04
2.11E+02	-4.28E-04	1.95E-04	4.35E-04
2.11E+02	-4.14E-04	3.68E-05	4.41E-04
2.11E+02	-4.38E-04	-1.40E-04	5.02E-04
2.11E+02	-4.40E-04	-3.01E-04	5.84E-04
2.11E+02	-3.79E-04	-3.92E-04	6.77E-04
2.11E+02	-3.47E-04	-4.31E-04	7.06E-04
2.11E+02	-3.19E-04	-4.59E-04	5.66E-04
2.11E+02	-2.57E-04	-4.29E-04	4.43E-04
2.11E+02	-1.89E-04	-3.55E-04	3.64E-04
2.11E+02	-1.43E-04	-2.94E-04	2.39E-04
2.11E+02	-1.63E-04	-2.24E-04	1.69E-04
2.11E+02	-1.96E-04	-1.63E-04	1.18E-04
2.11E+02	-1.99E-04	-1.15E-04	6.24E-05
2.11E+02	-2.35E-04	-7.15E-05	5.05E-05
2.11E+02	-2.92E-04	-6.87E-05	-3.43E-06
2.11E+02	-3.17E-04	-4.52E-05	-2.31E-05
2.11E+02	-3.23E-04	7.44E-06	7.25E-06
2.11E+02	-2.93E-04	3.95E-05	-2.06E-05
2.11E+02	-2.58E-04	8.34E-05	-8.20E-06
2.11E+02	-2.51E-04	1.20E-04	2.57E-05
2.11E+02	-2.12E-04	1.54E-04	2.59E-05
2.11E+02	-1.98E-04	1.99E-04	1.47E-05
2.11E+02	-2.35E-04	2.20E-04	-7.74E-05
2.11E+02	-2.63E-04	2.54E-04	-1.61E-04
2.11E+02	-3.00E-04	3.13E-04	-1.91E-04
2.11E+02	-3.29E-04	3.50E-04	-2.70E-04
2.11E+02	-3.81E-04	3.73E-04	-3.30E-04
2.11E+02	-4.46E-04	3.77E-04	-3.63E-04
2.11E+02	-4.29E-04	3.64E-04	-3.92E-04
2.11E+02	-3.92E-04	3.59E-04	-3.46E-04
2.11E+02	-3.49E-04	3.24E-04	-3.02E-04
2.11E+02	-2.59E-04	2.72E-04	-2.60E-04
2.11E+02	-1.46E-04	2.33E-04	-1.75E-04
2.11E+02	1.24E-05	1.79E-04	-1.79E-04
2.11E+02	1.42E-04	9.96E-05	-2.51E-04
2.11E+02	2.16E-04	2.06E-05	-3.14E-04
2.11E+02	3.26E-04	-3.38E-05	-3.80E-04
2.11E+02	4.09E-04	-5.86E-05	-4.25E-04
2.11E+02	4.32E-04	-7.95E-05	-4.92E-04

2.11E+02	4.59E-04	-7.95E-05	-5.52E-04
2.11E+02	4.88E-04	-2.35E-05	-5.35E-04
2.11E+02	5.15E-04	4.52E-05	-5.26E-04
2.11E+02	5.17E-04	1.17E-04	-5.07E-04
2.11E+02	4.95E-04	1.98E-04	-4.46E-04
2.11E+02	5.28E-04	2.70E-04	-3.99E-04
2.11E+02	5.91E-04	3.44E-04	-3.51E-04
2.11E+02	6.29E-04	3.90E-04	-3.58E-04
2.11E+02	6.79E-04	4.02E-04	-4.25E-04
2.11E+02	7.47E-04	4.19E-04	-4.41E-04
2.11E+02	8.18E-04	4.10E-04	-4.70E-04
2.11E+02	8.50E-04	3.81E-04	-5.13E-04
2.11E+02	8.08E-04	3.74E-04	-5.19E-04
2.11E+02	7.67E-04	3.97E-04	-5.39E-04
2.11E+02	7.08E-04	4.76E-04	-5.26E-04
2.11E+02	5.81E-04	5.66E-04	-5.58E-04
2.11E+02	4.61E-04	6.52E-04	-6.52E-04
2.11E+02	3.52E-04	7.69E-04	-6.84E-04
2.11E+02	2.66E-04	8.69E-04	-7.31E-04
2.11E+02	2.05E-04	9.47E-04	-7.88E-04
2.11E+02	1.17E-04	9.86E-04	-8.15E-04
2.11E+02	1.02E-04	9.56E-04	-8.39E-04
2.11E+02	1.52E-04	8.96E-04	-8.12E-04
2.11E+02	1.71E-04	7.83E-04	-8.07E-04
2.11E+02	2.21E-04	6.50E-04	-8.37E-04
2.11E+02	3.06E-04	5.89E-04	-7.86E-04
2.11E+02	4.15E-04	5.59E-04	-7.47E-04
2.11E+02	5.28E-04	5.35E-04	-7.73E-04
2.11E+02	5.76E-04	5.29E-04	-7.60E-04
2.11E+02	6.32E-04	5.40E-04	-7.31E-04
2.11E+02	6.99E-04	5.74E-04	-6.90E-04
2.11E+02	7.03E-04	5.76E-04	-6.72E-04
2.11E+02	6.88E-04	5.32E-04	-7.29E-04
2.11E+02	6.67E-04	4.92E-04	-7.15E-04
2.11E+02	6.45E-04	4.72E-04	-6.61E-04
2.11E+02	5.93E-04	4.47E-04	-6.61E-04
2.11E+02	4.71E-04	4.36E-04	-6.25E-04
2.11E+02	3.75E-04	4.69E-04	-5.78E-04
2.11E+02	3.22E-04	5.27E-04	-5.25E-04
2.11E+02	2.33E-04	5.66E-04	-4.61E-04
2.11E+02	1.53E-04	5.81E-04	-4.27E-04
2.11E+02	9.67E-05	6.21E-04	-3.59E-04
2.11E+02	5.34E-05	6.78E-04	-3.24E-04
2.11E+02	3.95E-05	7.36E-04	-3.84E-04
2.11E+02	-4.58E-06	8.11E-04	-4.30E-04
2.11E+02	-3.05E-05	8.95E-04	-4.54E-04
2.11E+02	1.37E-05	1.01E-03	-4.34E-04

2.11E+02	4.92E-05	1.10E-03	-3.90E-04
2.11E+02	9.10E-05	1.13E-03	-4.18E-04
2.11E+02	1.60E-04	1.14E-03	-4.35E-04
2.11E+02	2.54E-04	1.12E-03	-4.50E-04
2.12E+02	3.60E-04	1.07E-03	-5.11E-04
2.12E+02	4.06E-04	1.01E-03	-5.40E-04
2.12E+02	4.51E-04	9.44E-04	-5.74E-04
2.12E+02	5.33E-04	9.14E-04	-5.83E-04
2.12E+02	5.73E-04	9.08E-04	-5.46E-04
2.12E+02	5.89E-04	8.87E-04	-5.70E-04
2.12E+02	5.94E-04	8.73E-04	-5.58E-04
2.12E+02	5.86E-04	8.48E-04	-5.01E-04
2.12E+02	5.86E-04	8.06E-04	-5.05E-04
2.12E+02	5.33E-04	7.76E-04	-4.68E-04
2.12E+02	4.58E-04	7.65E-04	-4.00E-04
2.12E+02	4.38E-04	8.12E-04	-3.40E-04
2.12E+02	4.06E-04	8.82E-04	-2.81E-04
2.12E+02	3.56E-04	9.15E-04	-3.13E-04
2.12E+02	3.54E-04	9.60E-04	-3.33E-04
2.12E+02	3.79E-04	1.02E-03	-3.06E-04
2.12E+02	4.28E-04	1.05E-03	-3.53E-04
2.12E+02	4.47E-04	1.08E-03	-4.07E-04
2.12E+02	4.28E-04	1.09E-03	-4.60E-04
2.12E+02	4.66E-04	1.11E-03	-5.09E-04
2.12E+02	4.99E-04	1.12E-03	-4.84E-04
2.12E+02	4.93E-04	1.11E-03	-4.74E-04
2.12E+02	5.08E-04	1.11E-03	-4.38E-04
2.12E+02	5.29E-04	1.15E-03	-3.47E-04
2.12E+02	5.70E-04	1.16E-03	-3.43E-04
2.12E+02	5.89E-04	1.16E-03	-3.43E-04
2.12E+02	5.55E-04	1.16E-03	-3.06E-04
2.12E+02	5.53E-04	1.15E-03	-2.84E-04
2.12E+02	5.26E-04	1.16E-03	-2.43E-04
2.12E+02	4.39E-04	1.13E-03	-2.69E-04
2.12E+02	3.75E-04	1.09E-03	-3.04E-04
2.12E+02	3.17E-04	1.08E-03	-2.53E-04
2.12E+02	2.86E-04	1.04E-03	-2.30E-04
2.12E+02	2.41E-04	9.77E-04	-2.21E-04
2.12E+02	1.69E-04	9.04E-04	-1.78E-04
2.12E+02	1.91E-04	8.33E-04	-1.31E-04
2.12E+02	2.28E-04	7.68E-04	-7.10E-05
2.12E+02	2.42E-04	6.73E-04	-5.89E-05
2.12E+02	2.95E-04	5.74E-04	-6.60E-05
2.12E+02	3.52E-04	5.05E-04	-3.91E-05
2.12E+02	4.39E-04	4.26E-04	-9.31E-05
2.12E+02	4.97E-04	3.58E-04	-1.68E-04
2.12E+02	4.86E-04	3.23E-04	-1.81E-04

2.12E+02	5.09E-04	3.06E-04	-1.80E-04
2.12E+02	5.23E-04	3.34E-04	-1.33E-04
2.12E+02	4.67E-04	3.56E-04	-1.23E-04
2.12E+02	4.04E-04	3.62E-04	-1.54E-04
2.12E+02	3.41E-04	4.19E-04	-1.04E-04
2.12E+02	2.85E-04	4.84E-04	-4.29E-05
2.12E+02	2.09E-04	5.45E-04	-3.81E-07
2.12E+02	7.67E-05	6.18E-04	7.48E-05
2.12E+02	-2.02E-05	6.69E-04	1.22E-04
2.12E+02	-8.28E-05	7.32E-04	1.60E-04
2.12E+02	-1.86E-04	7.85E-04	1.79E-04
2.12E+02	-2.78E-04	8.15E-04	1.58E-04
2.12E+02	-3.44E-04	8.78E-04	1.82E-04
2.12E+02	-3.83E-04	9.23E-04	1.78E-04
2.12E+02	-3.84E-04	9.43E-04	1.28E-04
2.12E+02	-4.09E-04	9.59E-04	1.04E-04
2.12E+02	-4.01E-04	9.74E-04	9.78E-05
2.12E+02	-3.27E-04	1.03E-03	1.54E-04
2.12E+02	-2.80E-04	1.07E-03	1.79E-04
2.12E+02	-2.20E-04	1.06E-03	1.35E-04
2.12E+02	-1.24E-04	1.08E-03	1.65E-04
2.12E+02	-3.03E-05	1.08E-03	1.93E-04
2.12E+02	4.98E-05	1.02E-03	1.59E-04
2.12E+02	5.76E-05	9.35E-04	1.60E-04
2.12E+02	5.13E-05	8.31E-04	1.76E-04
2.12E+02	6.92E-05	7.06E-04	2.01E-04
2.12E+02	3.26E-05	5.61E-04	2.38E-04
2.12E+02	-1.79E-05	3.93E-04	2.23E-04
2.12E+02	-5.05E-05	2.57E-04	2.34E-04
2.12E+02	-7.63E-05	1.48E-04	2.43E-04
2.12E+02	-8.87E-05	3.19E-05	1.49E-04
2.12E+02	-1.33E-04	-5.59E-05	6.96E-05
2.12E+02	-1.63E-04	-1.11E-04	3.11E-05
2.12E+02	-1.42E-04	-1.25E-04	3.30E-05
2.12E+02	-1.27E-04	-1.15E-04	7.02E-05
2.12E+02	-9.56E-05	-1.23E-04	6.47E-05
2.12E+02	-2.14E-05	-1.05E-04	1.23E-04
2.12E+02	7.61E-05	-7.15E-05	2.13E-04
2.12E+02	1.84E-04	-5.74E-05	2.09E-04
2.12E+02	2.49E-04	-4.18E-05	1.90E-04
2.12E+02	3.01E-04	-2.00E-05	1.58E-04
2.12E+02	3.86E-04	3.32E-05	1.38E-04
2.12E+02	4.23E-04	8.83E-05	1.64E-04
2.12E+02	4.01E-04	1.06E-04	1.53E-04
2.12E+02	3.68E-04	1.33E-04	1.72E-04
2.12E+02	3.11E-04	1.63E-04	2.23E-04
2.12E+02	2.42E-04	1.63E-04	2.07E-04

2.12E+02	1.30E-04	1.60E-04	1.96E-04
2.12E+02	-1.22E-05	1.76E-04	1.91E-04
2.12E+02	-1.09E-04	2.22E-04	1.74E-04
2.12E+02	-2.21E-04	2.79E-04	1.63E-04
2.12E+02	-3.62E-04	2.75E-04	6.98E-05
2.12E+02	-4.60E-04	2.41E-04	2.48E-06
2.12E+02	-5.22E-04	2.10E-04	3.20E-05
2.12E+02	-5.66E-04	1.33E-04	1.98E-05
2.12E+02	-6.25E-04	4.86E-05	1.47E-05
2.12E+02	-6.69E-04	-5.15E-06	1.49E-05
2.12E+02	-6.24E-04	-1.16E-05	-1.85E-05
2.12E+02	-5.60E-04	3.05E-05	-7.06E-06
2.12E+02	-5.02E-04	7.10E-05	-2.67E-05
2.12E+02	-4.08E-04	1.25E-04	-4.06E-05
2.12E+02	-2.95E-04	1.93E-04	1.07E-05
2.12E+02	-1.59E-04	2.25E-04	1.62E-05
2.12E+02	-5.63E-05	2.14E-04	3.97E-05
2.12E+02	3.81E-06	1.78E-04	1.05E-04
2.12E+02	8.47E-05	1.46E-04	1.61E-04
2.12E+02	1.29E-04	1.38E-04	2.48E-04
2.12E+02	1.13E-04	1.19E-04	2.66E-04
2.12E+02	9.04E-05	1.06E-04	2.38E-04
2.12E+02	5.66E-05	1.27E-04	2.44E-04
2.12E+02	2.42E-05	1.28E-04	1.86E-04
2.12E+02	-3.11E-05	1.07E-04	1.27E-04
2.12E+02	-1.40E-04	7.31E-05	1.07E-04
2.12E+02	-1.91E-04	4.46E-05	9.73E-05
2.12E+02	-2.34E-04	3.34E-05	1.54E-04
2.12E+02	-3.54E-04	-1.09E-05	1.70E-04
2.12E+02	-4.55E-04	-5.99E-05	1.53E-04
2.12E+02	-5.45E-04	-8.66E-05	2.04E-04
2.12E+02	-6.22E-04	-1.15E-04	2.01E-04
2.12E+02	-7.03E-04	-1.45E-04	1.40E-04
2.12E+02	-8.11E-04	-1.75E-04	1.08E-04
2.12E+02	-8.46E-04	-1.95E-04	9.29E-05
2.12E+02	-8.57E-04	-2.03E-04	1.23E-04
2.12E+02	-8.98E-04	-2.59E-04	1.19E-04
2.12E+02	-9.06E-04	-3.65E-04	7.67E-05
2.12E+02	-8.84E-04	-4.58E-04	1.11E-04
2.12E+02	-8.46E-04	-5.61E-04	1.25E-04
2.12E+02	-8.14E-04	-6.61E-04	1.27E-04
2.12E+02	-8.21E-04	-7.19E-04	1.54E-04
2.12E+02	-7.86E-04	-7.52E-04	1.23E-04
2.12E+02	-7.22E-04	-7.35E-04	1.26E-04
2.12E+02	-7.06E-04	-7.24E-04	1.54E-04
2.12E+02	-6.73E-04	-7.39E-04	1.80E-04
2.12E+02	-6.25E-04	-7.31E-04	3.03E-04

2.12E+02	-5.52E-04	-7.49E-04	4.14E-04
2.12E+02	-4.42E-04	-7.81E-04	4.80E-04
2.12E+02	-3.72E-04	-8.00E-04	5.54E-04
2.12E+02	-2.55E-04	-7.93E-04	5.89E-04
2.12E+02	-7.72E-05	-7.27E-04	6.38E-04
2.12E+02	4.35E-05	-6.83E-04	6.11E-04
2.12E+02	1.56E-04	-6.90E-04	4.83E-04
2.12E+02	2.54E-04	-6.83E-04	4.28E-04
2.12E+02	3.26E-04	-6.93E-04	3.92E-04
2.12E+02	3.73E-04	-7.10E-04	3.65E-04
2.12E+02	3.21E-04	-7.25E-04	3.87E-04
2.12E+02	2.61E-04	-7.53E-04	3.54E-04
2.12E+02	2.31E-04	-7.41E-04	3.15E-04
2.12E+02	1.66E-04	-7.23E-04	2.80E-04
2.12E+02	1.09E-04	-7.25E-04	2.10E-04
2.12E+02	7.59E-05	-7.01E-04	2.04E-04
2.12E+02	8.35E-05	-6.92E-04	1.91E-04
2.12E+02	1.33E-04	-7.31E-04	1.13E-04
2.12E+02	1.47E-04	-7.91E-04	7.55E-05
2.12E+02	1.83E-04	-8.47E-04	7.27E-05
2.12E+02	2.73E-04	-8.93E-04	1.06E-04
2.12E+02	3.13E-04	-9.44E-04	1.58E-04
2.12E+02	3.41E-04	-9.96E-04	1.75E-04
2.12E+02	3.75E-04	-1.03E-03	2.33E-04
2.12E+02	3.84E-04	-1.07E-03	2.99E-04
2.12E+02	3.80E-04	-1.12E-03	2.97E-04
2.12E+02	3.07E-04	-1.17E-03	3.20E-04
2.12E+02	2.27E-04	-1.22E-03	3.73E-04
2.12E+02	2.21E-04	-1.25E-03	4.42E-04
2.12E+02	1.99E-04	-1.27E-03	4.99E-04
2.12E+02	1.75E-04	-1.30E-03	4.49E-04
2.12E+02	1.94E-04	-1.31E-03	4.08E-04
2.12E+02	2.28E-04	-1.29E-03	4.23E-04
2.12E+02	2.83E-04	-1.30E-03	3.78E-04
2.12E+02	3.09E-04	-1.30E-03	3.33E-04
2.12E+02	3.19E-04	-1.29E-03	3.00E-04
2.12E+02	3.78E-04	-1.27E-03	2.65E-04
2.12E+02	4.17E-04	-1.26E-03	2.56E-04
2.12E+02	4.32E-04	-1.28E-03	1.83E-04
2.12E+02	4.79E-04	-1.29E-03	9.50E-05
2.12E+02	5.37E-04	-1.27E-03	4.71E-05
2.12E+02	5.86E-04	-1.24E-03	-2.61E-05
2.12E+02	5.93E-04	-1.19E-03	-9.19E-05
2.12E+02	5.65E-04	-1.12E-03	-1.54E-04
2.12E+02	5.65E-04	-1.03E-03	-2.06E-04
2.12E+02	5.48E-04	-9.37E-04	-2.10E-04
2.12E+02	4.81E-04	-8.76E-04	-2.46E-04

2.12E+02	4.17E-04	-8.08E-04	-2.70E-04
2.12E+02	3.76E-04	-7.19E-04	-2.18E-04
2.12E+02	3.67E-04	-6.55E-04	-1.83E-04
2.12E+02	3.49E-04	-6.30E-04	-1.23E-04
2.12E+02	3.02E-04	-6.43E-04	-2.42E-05
2.12E+02	2.98E-04	-6.75E-04	4.92E-05
2.12E+02	2.87E-04	-7.15E-04	1.05E-04
2.12E+02	2.27E-04	-7.97E-04	4.86E-05
2.12E+02	1.87E-04	-8.93E-04	-2.59E-05
2.12E+02	1.54E-04	-9.42E-04	3.64E-05
2.12E+02	1.15E-04	-9.69E-04	9.59E-05
2.12E+02	5.42E-05	-9.70E-04	1.23E-04
2.12E+02	-5.28E-05	-9.65E-04	9.44E-05
2.12E+02	-9.77E-05	-9.59E-04	-4.39E-06
2.12E+02	-9.02E-05	-9.23E-04	-3.09E-05
2.12E+02	-1.08E-04	-9.37E-04	-2.71E-05
2.13E+02	-1.03E-04	-9.50E-04	1.74E-05
2.13E+02	-7.76E-05	-9.02E-04	1.49E-04
2.13E+02	-4.44E-05	-8.68E-04	2.21E-04
2.13E+02	-4.71E-05	-8.46E-04	2.40E-04
2.13E+02	-1.10E-04	-8.35E-04	2.57E-04
2.13E+02	-1.44E-04	-8.09E-04	2.48E-04
2.13E+02	-1.66E-04	-7.37E-04	2.85E-04
2.13E+02	-2.09E-04	-7.01E-04	2.80E-04
2.13E+02	-2.24E-04	-6.83E-04	2.00E-04
2.13E+02	-1.92E-04	-6.43E-04	1.87E-04
2.13E+02	-1.17E-04	-6.24E-04	1.84E-04
2.13E+02	-5.11E-05	-6.31E-04	1.86E-04
2.13E+02	-3.43E-05	-6.62E-04	2.24E-04
2.13E+02	9.73E-06	-7.05E-04	2.25E-04
2.13E+02	6.85E-05	-7.38E-04	2.31E-04
2.13E+02	7.86E-05	-7.75E-04	1.75E-04
2.13E+02	7.50E-05	-8.20E-04	4.04E-05
2.13E+02	7.32E-05	-8.18E-04	-3.47E-05
2.13E+02	1.02E-04	-7.59E-04	-1.06E-04
2.13E+02	1.17E-04	-7.00E-04	-2.13E-04
2.13E+02	7.95E-05	-6.40E-04	-2.49E-04
2.13E+02	8.05E-05	-5.67E-04	-2.16E-04
2.13E+02	9.59E-05	-4.97E-04	-1.50E-04
2.13E+02	5.11E-05	-4.76E-04	-1.19E-04
2.13E+02	-7.25E-06	-5.01E-04	-1.61E-04
2.13E+02	-2.98E-05	-4.98E-04	-1.46E-04
2.13E+02	-2.46E-05	-4.62E-04	-9.50E-05
2.13E+02	-8.96E-06	-3.81E-04	-7.21E-05
2.13E+02	-9.92E-06	-2.58E-04	-8.58E-06
2.13E+02	7.63E-06	-1.32E-04	5.07E-05
2.13E+02	6.41E-05	-2.29E-06	1.05E-04

2.13E+02	7.55E-05	6.85E-05	1.54E-04
2.13E+02	5.74E-05	6.89E-05	1.24E-04
2.13E+02	5.15E-05	4.92E-05	1.28E-04
2.13E+02	4.67E-05	7.44E-06	1.64E-04
2.13E+02	5.63E-05	-4.56E-05	1.52E-04
2.13E+02	3.38E-05	-9.33E-05	1.70E-04
2.13E+02	8.20E-06	-1.25E-04	1.68E-04
2.13E+02	2.50E-05	-1.27E-04	1.73E-04
2.13E+02	1.18E-05	-1.35E-04	1.99E-04
2.13E+02	-1.49E-05	-1.82E-04	1.42E-04
2.13E+02	-1.66E-05	-2.10E-04	1.38E-04
2.13E+02	-6.68E-06	-2.03E-04	1.74E-04
2.13E+02	3.81E-06	-1.95E-04	1.60E-04
2.13E+02	-2.71E-05	-1.55E-04	1.80E-04
2.13E+02	-5.34E-05	-9.65E-05	1.87E-04
2.13E+02	-2.17E-05	-1.05E-05	1.78E-04
2.13E+02	-7.44E-06	7.46E-05	1.57E-04
2.13E+02	-1.34E-06	8.26E-05	9.54E-05
2.13E+02	5.26E-05	7.38E-05	1.18E-04
2.13E+02	1.24E-04	5.61E-05	1.96E-04
2.13E+02	2.06E-04	-5.72E-06	2.03E-04
2.13E+02	2.44E-04	-6.48E-05	2.15E-04
2.13E+02	2.33E-04	-9.86E-05	2.44E-04
2.13E+02	2.53E-04	-7.84E-05	2.60E-04
2.13E+02	2.28E-04	-2.86E-05	2.90E-04
2.13E+02	1.57E-04	-2.10E-06	2.55E-04
2.13E+02	1.14E-04	1.95E-05	2.21E-04
2.13E+02	7.29E-05	3.62E-05	2.34E-04
2.13E+02	3.20E-05	3.11E-05	1.92E-04
2.13E+02	-4.84E-05	1.14E-05	1.52E-04
2.13E+02	-1.59E-04	-1.32E-05	1.13E-04
2.13E+02	-2.44E-04	-3.81E-05	6.35E-05
2.13E+02	-3.62E-04	-6.96E-05	2.56E-05
2.13E+02	-5.07E-04	-1.21E-04	-6.98E-05
2.13E+02	-6.22E-04	-1.63E-04	-1.19E-04
2.13E+02	-6.98E-04	-1.67E-04	-7.36E-05
2.13E+02	-7.10E-04	-1.71E-04	-3.57E-05
2.13E+02	-7.17E-04	-1.95E-04	3.28E-05
2.13E+02	-7.29E-04	-2.19E-04	1.26E-04
2.13E+02	-6.58E-04	-2.23E-04	2.03E-04
2.13E+02	-5.91E-04	-2.26E-04	2.24E-04
2.13E+02	-5.50E-04	-2.64E-04	1.24E-04
2.13E+02	-4.56E-04	-2.68E-04	2.08E-05
2.13E+02	-3.36E-04	-2.02E-04	1.58E-05
2.13E+02	-1.84E-04	-1.13E-04	1.26E-05
2.13E+02	-6.73E-05	1.05E-05	-1.70E-05
2.13E+02	-1.45E-05	1.49E-04	-5.38E-05

2.13E+02	5.87E-05	2.90E-04	-1.18E-04
2.13E+02	8.68E-05	4.32E-04	-1.45E-04
2.13E+02	4.90E-05	5.21E-04	-1.52E-04
2.13E+02	8.58E-06	5.66E-04	-1.46E-04
2.13E+02	-3.55E-05	5.99E-04	-6.58E-05
2.13E+02	-6.64E-05	5.90E-04	-2.35E-05
2.13E+02	-1.14E-04	5.49E-04	-1.83E-05
2.13E+02	-1.79E-04	5.16E-04	2.90E-05
2.13E+02	-1.79E-04	5.06E-04	6.92E-05
2.13E+02	-1.42E-04	5.29E-04	9.71E-05
2.13E+02	-1.17E-04	5.36E-04	3.11E-05
2.13E+02	-5.42E-05	5.25E-04	-1.01E-04
2.13E+02	3.68E-05	5.32E-04	-1.62E-04
2.13E+02	1.49E-04	5.33E-04	-1.92E-04
2.13E+02	2.36E-04	5.16E-04	-1.99E-04
2.13E+02	2.42E-04	4.63E-04	-1.90E-04
2.13E+02	2.72E-04	4.09E-04	-2.20E-04
2.13E+02	3.14E-04	3.86E-04	-2.40E-04
2.13E+02	2.80E-04	3.35E-04	-2.77E-04
2.13E+02	2.24E-04	2.67E-04	-3.37E-04
2.13E+02	1.49E-04	2.27E-04	-3.20E-04
2.13E+02	7.02E-05	1.79E-04	-3.01E-04
2.13E+02	-2.10E-05	1.04E-04	-3.34E-04
2.13E+02	-1.61E-04	1.13E-05	-3.54E-04
2.13E+02	-2.53E-04	-5.86E-05	-3.74E-04
2.13E+02	-2.91E-04	-7.44E-05	-3.47E-04
2.13E+02	-3.30E-04	-6.77E-05	-3.00E-04
2.13E+02	-3.30E-04	-5.82E-05	-2.57E-04
2.13E+02	-2.99E-04	-8.20E-06	-1.42E-04
2.13E+02	-2.57E-04	5.02E-05	-5.51E-05
2.13E+02	-2.32E-04	7.25E-05	-4.56E-05
2.13E+02	-2.54E-04	7.04E-05	-4.12E-05
2.13E+02	-2.60E-04	4.08E-05	-5.25E-05
2.13E+02	-2.31E-04	9.16E-06	-5.23E-05
2.13E+02	-2.25E-04	-3.97E-05	-6.68E-05
2.13E+02	-2.24E-04	-1.05E-04	-1.39E-04
2.13E+02	-2.08E-04	-1.33E-04	-1.79E-04
2.13E+02	-1.67E-04	-1.50E-04	-2.45E-04
2.13E+02	-1.03E-04	-1.77E-04	-3.91E-04
2.13E+02	-8.79E-05	-1.95E-04	-4.93E-04
2.13E+02	-7.78E-05	-1.88E-04	-5.61E-04
2.13E+02	-3.89E-05	-1.62E-04	-5.66E-04
2.13E+02	-5.23E-05	-1.48E-04	-5.48E-04
2.13E+02	-1.08E-04	-1.81E-04	-6.27E-04
2.13E+02	-1.51E-04	-2.13E-04	-6.56E-04
2.13E+02	-1.59E-04	-2.09E-04	-6.14E-04
2.13E+02	-1.60E-04	-2.11E-04	-5.85E-04

2.13E+02	-1.98E-04	-1.95E-04	-5.25E-04
2.13E+02	-2.10E-04	-1.58E-04	-4.82E-04
2.13E+02	-1.52E-04	-1.16E-04	-4.19E-04
2.13E+02	-1.01E-04	-9.02E-05	-3.17E-04
2.13E+02	-6.41E-05	-1.24E-04	-2.57E-04
2.13E+02	-3.05E-06	-1.69E-04	-1.61E-04
2.13E+02	6.26E-05	-2.13E-04	-6.54E-05
2.13E+02	1.43E-04	-2.69E-04	-6.54E-05
2.13E+02	1.81E-04	-3.27E-04	-7.78E-05
2.13E+02	2.09E-04	-3.71E-04	-9.69E-05
2.13E+02	3.07E-04	-3.61E-04	-9.80E-05
2.13E+02	3.74E-04	-3.34E-04	-4.77E-05
2.13E+02	4.12E-04	-3.25E-04	-4.16E-05
2.13E+02	4.51E-04	-3.18E-04	-5.00E-05
2.13E+02	4.70E-04	-3.02E-04	-4.62E-05
2.13E+02	5.02E-04	-2.62E-04	-1.01E-04
2.13E+02	4.89E-04	-2.15E-04	-1.76E-04
2.13E+02	4.51E-04	-1.55E-04	-2.65E-04
2.13E+02	4.61E-04	-7.55E-05	-3.58E-04
2.13E+02	4.54E-04	9.54E-06	-3.94E-04
2.13E+02	4.04E-04	6.31E-05	-4.39E-04
2.13E+02	3.68E-04	8.32E-05	-4.55E-04
2.13E+02	3.52E-04	1.01E-04	-4.07E-04
2.13E+02	3.52E-04	8.20E-05	-4.20E-04
2.13E+02	3.29E-04	2.99E-05	-4.59E-04
2.13E+02	2.96E-04	-7.63E-07	-4.89E-04
2.13E+02	3.32E-04	1.87E-05	-5.09E-04
2.13E+02	3.79E-04	8.16E-05	-4.58E-04
2.13E+02	4.21E-04	1.32E-04	-4.32E-04
2.13E+02	5.15E-04	1.59E-04	-4.10E-04
2.13E+02	6.28E-04	1.77E-04	-3.23E-04
2.13E+02	7.41E-04	1.54E-04	-2.98E-04
2.13E+02	8.12E-04	8.87E-05	-3.14E-04
2.13E+02	8.52E-04	8.96E-06	-3.00E-04
2.13E+02	9.13E-04	-6.62E-05	-2.86E-04
2.13E+02	9.62E-04	-1.19E-04	-2.27E-04
2.13E+02	9.66E-04	-1.68E-04	-1.80E-04
2.13E+02	9.48E-04	-2.11E-04	-1.54E-04
2.13E+02	9.35E-04	-2.04E-04	-4.67E-05
2.13E+02	9.40E-04	-1.76E-04	4.60E-05
2.13E+02	9.27E-04	-1.34E-04	1.07E-04
2.13E+02	8.79E-04	-6.66E-05	1.70E-04
2.13E+02	8.69E-04	2.44E-05	1.83E-04
2.13E+02	8.66E-04	1.38E-04	1.96E-04
2.13E+02	8.24E-04	2.08E-04	1.59E-04
2.13E+02	7.97E-04	2.35E-04	9.52E-05
2.13E+02	7.85E-04	2.76E-04	1.03E-04

2.13E+02	7.81E-04	3.06E-04	8.41E-05
2.13E+02	7.65E-04	3.48E-04	5.04E-05
2.13E+02	7.14E-04	4.05E-04	1.51E-05
2.13E+02	7.00E-04	4.54E-04	-9.63E-05
2.13E+02	7.29E-04	5.24E-04	-1.99E-04
2.13E+02	7.11E-04	5.49E-04	-3.21E-04
2.13E+02	6.82E-04	5.29E-04	-4.67E-04
2.13E+02	6.85E-04	5.31E-04	-4.87E-04
2.13E+02	6.96E-04	5.08E-04	-4.87E-04
2.13E+02	7.10E-04	4.41E-04	-5.02E-04
2.13E+02	6.90E-04	3.51E-04	-4.53E-04
2.13E+02	7.00E-04	2.79E-04	-3.93E-04
2.13E+02	7.47E-04	2.49E-04	-2.77E-04
2.13E+02	7.57E-04	2.12E-04	-1.89E-04
2.13E+02	7.65E-04	1.78E-04	-1.69E-04
2.13E+02	7.81E-04	1.85E-04	-7.97E-05
2.13E+02	8.09E-04	1.94E-04	1.14E-06
2.13E+02	8.25E-04	1.89E-04	2.23E-05
2.13E+02	7.72E-04	1.77E-04	3.13E-05
2.13E+02	7.32E-04	1.59E-04	-1.07E-05
2.13E+02	7.31E-04	1.71E-04	-1.39E-05
2.13E+02	6.75E-04	1.80E-04	3.01E-05
2.13E+02	5.98E-04	1.75E-04	1.89E-05
2.13E+02	5.22E-04	1.98E-04	2.71E-05
2.13E+02	4.38E-04	2.10E-04	1.96E-05
2.13E+02	3.49E-04	2.12E-04	-3.22E-05
2.13E+02	2.11E-04	2.23E-04	-4.12E-05
2.13E+02	1.00E-04	2.41E-04	-5.61E-05
2.14E+02	6.08E-05	3.05E-04	-3.26E-05
2.14E+02	5.91E-06	3.57E-04	-1.58E-05
2.14E+02	-4.14E-05	3.51E-04	-1.14E-04
2.14E+02	-3.80E-05	3.46E-04	-1.75E-04
2.14E+02	3.81E-06	3.43E-04	-1.87E-04
2.14E+02	6.47E-05	3.30E-04	-2.27E-04
2.14E+02	9.48E-05	3.15E-04	-2.62E-04
2.14E+02	1.48E-04	2.97E-04	-3.24E-04
2.14E+02	2.64E-04	3.11E-04	-3.54E-04
2.14E+02	3.57E-04	3.36E-04	-3.17E-04
2.14E+02	4.27E-04	3.40E-04	-2.81E-04
2.14E+02	4.91E-04	3.56E-04	-1.75E-04
2.14E+02	5.55E-04	3.81E-04	-3.30E-05
2.14E+02	6.22E-04	3.99E-04	4.31E-05
2.14E+02	6.18E-04	4.18E-04	1.09E-04
2.14E+02	5.81E-04	4.50E-04	1.28E-04
2.14E+02	5.69E-04	5.22E-04	1.11E-04
2.14E+02	5.11E-04	6.15E-04	9.04E-05
2.14E+02	4.29E-04	6.80E-04	-1.91E-07

2.14E+02	3.84E-04	7.59E-04	-1.54E-05
2.14E+02	3.52E-04	8.57E-04	9.46E-05
2.14E+02	3.35E-04	9.17E-04	2.03E-04
2.14E+02	2.77E-04	9.52E-04	3.46E-04
2.14E+02	1.92E-04	9.38E-04	4.66E-04
2.14E+02	1.66E-04	9.13E-04	5.23E-04
2.14E+02	1.28E-04	9.14E-04	5.70E-04
2.14E+02	7.82E-05	8.97E-04	5.28E-04
2.14E+02	6.87E-05	9.29E-04	5.03E-04
2.14E+02	7.11E-05	1.00E-03	5.40E-04
2.14E+02	1.33E-04	1.06E-03	5.00E-04
2.14E+02	1.93E-04	1.11E-03	4.43E-04
2.14E+02	2.05E-04	1.12E-03	3.59E-04
2.14E+02	2.72E-04	1.14E-03	2.65E-04
2.14E+02	3.35E-04	1.19E-03	2.42E-04
2.14E+02	3.62E-04	1.21E-03	1.79E-04
2.14E+02	4.04E-04	1.24E-03	1.21E-04
2.14E+02	4.43E-04	1.31E-03	1.59E-04
2.14E+02	5.01E-04	1.36E-03	1.92E-04
2.14E+02	5.25E-04	1.42E-03	2.74E-04
2.14E+02	4.83E-04	1.43E-03	3.75E-04
2.14E+02	4.84E-04	1.41E-03	4.11E-04
2.14E+02	4.88E-04	1.38E-03	4.77E-04
2.14E+02	4.29E-04	1.29E-03	5.00E-04
2.14E+02	3.82E-04	1.18E-03	4.86E-04
2.14E+02	3.38E-04	1.10E-03	5.29E-04
2.14E+02	3.14E-04	1.01E-03	5.29E-04
2.14E+02	3.19E-04	9.52E-04	5.36E-04
2.14E+02	2.65E-04	8.86E-04	5.70E-04
2.14E+02	2.49E-04	8.25E-04	5.85E-04
2.14E+02	2.91E-04	8.13E-04	6.47E-04
2.14E+02	2.98E-04	7.57E-04	6.42E-04
2.14E+02	3.23E-04	6.57E-04	5.47E-04
2.14E+02	3.51E-04	5.80E-04	4.93E-04
2.14E+02	3.94E-04	5.33E-04	4.14E-04
2.14E+02	4.34E-04	5.32E-04	3.12E-04
2.14E+02	4.10E-04	5.53E-04	2.45E-04
2.14E+02	4.29E-04	5.81E-04	1.75E-04
2.14E+02	4.70E-04	6.12E-04	1.60E-04
2.14E+02	4.54E-04	5.98E-04	1.39E-04
2.14E+02	4.08E-04	5.52E-04	3.47E-05
2.14E+02	3.59E-04	5.36E-04	-9.35E-06
2.14E+02	3.20E-04	5.42E-04	-3.89E-05
2.14E+02	2.77E-04	5.69E-04	-9.73E-05
2.14E+02	1.98E-04	6.20E-04	-5.93E-05
2.14E+02	1.28E-04	7.02E-04	4.77E-05
2.14E+02	8.62E-05	8.22E-04	1.84E-04

2.14E+02	1.34E-05	9.07E-04	2.72E-04
2.14E+02	-5.82E-05	9.25E-04	2.49E-04
2.14E+02	-8.83E-05	9.47E-04	2.60E-04
2.14E+02	-8.68E-05	9.74E-04	2.83E-04
2.14E+02	-6.89E-05	9.77E-04	2.68E-04
2.14E+02	-9.71E-05	9.86E-04	3.19E-04
2.14E+02	-1.08E-04	1.01E-03	3.53E-04
2.14E+02	-6.20E-05	1.04E-03	3.55E-04
2.14E+02	-5.53E-05	1.04E-03	3.49E-04
2.14E+02	-6.94E-05	9.81E-04	3.04E-04
2.14E+02	-7.25E-05	9.49E-04	3.38E-04
2.14E+02	-7.10E-05	9.27E-04	3.50E-04
2.14E+02	-5.11E-05	8.75E-04	2.51E-04
2.14E+02	-8.75E-05	8.39E-04	1.85E-04
2.14E+02	-1.39E-04	8.23E-04	9.63E-05
2.14E+02	-1.45E-04	8.39E-04	-1.34E-06
2.14E+02	-2.04E-04	8.58E-04	-4.69E-05
2.14E+02	-2.76E-04	8.36E-04	-1.38E-04
2.14E+02	-3.10E-04	8.16E-04	-1.84E-04
2.14E+02	-3.24E-04	8.01E-04	-1.87E-04
2.14E+02	-3.11E-04	7.77E-04	-2.37E-04
2.14E+02	-3.48E-04	7.64E-04	-2.38E-04
2.14E+02	-3.98E-04	7.65E-04	-2.28E-04
2.14E+02	-3.97E-04	7.93E-04	-2.43E-04
2.14E+02	-4.14E-04	8.41E-04	-1.99E-04
2.14E+02	-4.38E-04	8.77E-04	-1.48E-04
2.14E+02	-4.47E-04	9.18E-04	-5.80E-05
2.14E+02	-4.40E-04	9.42E-04	9.40E-05
2.14E+02	-3.90E-04	9.42E-04	1.83E-04
2.14E+02	-3.60E-04	9.41E-04	2.41E-04
2.14E+02	-3.42E-04	9.23E-04	2.54E-04
2.14E+02	-2.58E-04	9.26E-04	2.09E-04
2.14E+02	-1.79E-04	9.51E-04	1.95E-04
2.14E+02	-1.32E-04	9.23E-04	1.17E-04
2.14E+02	-8.01E-05	8.77E-04	4.18E-05
2.14E+02	-3.66E-05	8.48E-04	1.01E-04
2.14E+02	1.58E-05	7.95E-04	1.65E-04
2.14E+02	1.64E-05	7.28E-04	2.32E-04
2.14E+02	-3.70E-05	6.56E-04	2.89E-04
2.14E+02	-3.76E-05	5.85E-04	2.72E-04
2.14E+02	-2.80E-05	5.30E-04	2.63E-04
2.14E+02	-5.89E-05	4.40E-04	1.87E-04
2.14E+02	-7.63E-05	3.38E-04	7.78E-05
2.14E+02	-8.68E-05	2.62E-04	7.00E-05
2.14E+02	-9.90E-05	1.61E-04	5.46E-05
2.14E+02	-1.17E-04	4.75E-05	6.47E-05
2.14E+02	-2.00E-04	-6.79E-05	1.17E-04

2.14E+02	-2.65E-04	-1.59E-04	1.47E-04
2.14E+02	-2.88E-04	-1.67E-04	2.42E-04
2.14E+02	-3.56E-04	-1.67E-04	2.69E-04
2.14E+02	-4.02E-04	-1.69E-04	1.90E-04
2.14E+02	-4.39E-04	-1.22E-04	1.77E-04
2.14E+02	-4.73E-04	-8.43E-05	1.51E-04
2.14E+02	-5.00E-04	-6.29E-05	1.11E-04
2.14E+02	-5.90E-04	-6.10E-05	1.24E-04
2.14E+02	-6.46E-04	-7.19E-05	1.24E-04
2.14E+02	-6.68E-04	-5.02E-05	1.55E-04
2.14E+02	-7.44E-04	-4.02E-05	1.48E-04
2.14E+02	-8.16E-04	-4.27E-05	4.67E-05
2.14E+02	-8.78E-04	4.96E-06	5.15E-06
2.14E+02	-9.01E-04	4.60E-05	-4.43E-05
2.14E+02	-8.77E-04	6.03E-05	-1.31E-04
2.14E+02	-8.84E-04	6.83E-05	-1.51E-04
2.14E+02	-8.47E-04	4.79E-05	-1.74E-04
2.14E+02	-7.43E-04	5.28E-05	-1.51E-04
2.14E+02	-6.67E-04	4.27E-05	-1.45E-04
2.14E+02	-5.85E-04	-2.40E-05	-2.49E-04
2.14E+02	-4.85E-04	-7.00E-05	-2.73E-04
2.14E+02	-4.16E-04	-1.22E-04	-2.83E-04
2.14E+02	-3.53E-04	-1.66E-04	-3.20E-04
2.14E+02	-3.40E-04	-1.82E-04	-2.64E-04
2.14E+02	-3.58E-04	-2.19E-04	-2.40E-04
2.14E+02	-3.37E-04	-2.37E-04	-2.19E-04
2.14E+02	-3.63E-04	-2.69E-04	-1.62E-04
2.14E+02	-4.39E-04	-3.49E-04	-1.61E-04
2.14E+02	-5.20E-04	-4.13E-04	-1.39E-04
2.14E+02	-6.08E-04	-4.74E-04	-1.31E-04
2.14E+02	-6.75E-04	-5.30E-04	-1.80E-04
2.14E+02	-7.78E-04	-5.58E-04	-1.88E-04
2.14E+02	-8.95E-04	-5.66E-04	-2.02E-04
2.14E+02	-9.41E-04	-5.12E-04	-1.86E-04
2.14E+02	-9.96E-04	-4.19E-04	-1.10E-04
2.14E+02	-1.05E-03	-3.55E-04	-1.12E-04
2.14E+02	-1.07E-03	-2.86E-04	-1.06E-04
2.14E+02	-1.04E-03	-2.18E-04	-5.59E-05
2.14E+02	-9.45E-04	-1.60E-04	-4.41E-05
2.14E+02	-8.76E-04	-1.00E-04	-3.24E-05
2.14E+02	-8.23E-04	-5.66E-05	-4.79E-05
2.14E+02	-6.76E-04	2.86E-06	-6.77E-05
2.14E+02	-5.54E-04	6.45E-05	-6.56E-05
2.14E+02	-4.82E-04	9.00E-05	-1.27E-04
2.14E+02	-4.03E-04	1.23E-04	-1.62E-04
2.14E+02	-3.44E-04	1.74E-04	-1.35E-04
2.14E+02	-2.86E-04	2.09E-04	-1.76E-04

2.14E+02	-2.82E-04	2.33E-04	-2.24E-04
2.14E+02	-3.35E-04	2.49E-04	-2.65E-04
2.14E+02	-3.45E-04	2.80E-04	-2.95E-04
2.14E+02	-3.78E-04	3.29E-04	-2.50E-04
2.14E+02	-4.57E-04	3.15E-04	-2.71E-04
2.14E+02	-5.06E-04	2.84E-04	-3.11E-04
2.14E+02	-5.44E-04	2.83E-04	-2.62E-04
2.14E+02	-5.56E-04	2.48E-04	-2.56E-04
2.14E+02	-5.70E-04	2.09E-04	-2.80E-04
2.14E+02	-6.12E-04	1.71E-04	-2.83E-04
2.14E+02	-6.08E-04	1.30E-04	-2.86E-04
2.14E+02	-6.09E-04	1.02E-04	-2.58E-04
2.14E+02	-6.69E-04	3.26E-05	-2.80E-04
2.14E+02	-7.22E-04	-3.99E-05	-3.21E-04
2.14E+02	-7.64E-04	-7.13E-05	-2.93E-04
2.14E+02	-7.89E-04	-1.16E-04	-3.15E-04
2.14E+02	-8.03E-04	-1.67E-04	-3.61E-04
2.14E+02	-8.61E-04	-2.16E-04	-3.54E-04
2.14E+02	-8.79E-04	-2.42E-04	-3.49E-04
2.14E+02	-8.73E-04	-2.24E-04	-3.19E-04
2.14E+02	-9.33E-04	-2.38E-04	-3.43E-04
2.14E+02	-9.84E-04	-2.72E-04	-4.03E-04
2.14E+02	-1.03E-03	-2.70E-04	-3.50E-04
2.14E+02	-1.06E-03	-2.71E-04	-3.06E-04
2.14E+02	-1.07E-03	-2.69E-04	-2.75E-04
2.14E+02	-1.11E-03	-2.53E-04	-1.79E-04
2.14E+02	-1.10E-03	-2.41E-04	-1.33E-04
2.14E+02	-1.01E-03	-2.19E-04	-8.11E-05
2.14E+02	-9.61E-04	-2.42E-04	-5.11E-05
2.14E+02	-9.14E-04	-2.98E-04	-7.59E-05
2.14E+02	-8.37E-04	-3.16E-04	-3.43E-06
2.14E+02	-7.55E-04	-3.51E-04	3.09E-05
2.14E+02	-6.57E-04	-4.25E-04	-1.72E-06
2.14E+02	-6.17E-04	-4.94E-04	9.35E-06
2.14E+02	-5.79E-04	-5.61E-04	-1.58E-05
2.14E+02	-5.07E-04	-6.09E-04	-4.29E-05
2.14E+02	-4.94E-04	-6.49E-04	-1.25E-04
2.14E+02	-5.01E-04	-7.07E-04	-3.20E-04
2.14E+02	-4.92E-04	-7.36E-04	-4.48E-04
2.14E+02	-4.64E-04	-7.42E-04	-5.09E-04
2.15E+02	-4.21E-04	-7.44E-04	-5.45E-04
2.15E+02	-4.42E-04	-7.38E-04	-5.32E-04
2.15E+02	-4.57E-04	-7.42E-04	-5.73E-04
2.15E+02	-4.12E-04	-7.31E-04	-6.20E-04
2.15E+02	-4.13E-04	-7.24E-04	-6.52E-04
2.15E+02	-4.17E-04	-7.33E-04	-7.18E-04
2.15E+02	-4.06E-04	-7.24E-04	-7.01E-04

2.15E+02	-4.10E-04	-7.07E-04	-6.18E-04
2.15E+02	-3.85E-04	-7.02E-04	-5.63E-04
2.15E+02	-4.15E-04	-7.16E-04	-4.96E-04
2.15E+02	-4.77E-04	-7.48E-04	-4.55E-04
2.15E+02	-4.87E-04	-7.69E-04	-4.29E-04
2.15E+02	-5.33E-04	-7.93E-04	-4.02E-04
2.15E+02	-6.07E-04	-8.53E-04	-4.62E-04
2.15E+02	-6.43E-04	-8.94E-04	-5.06E-04
2.15E+02	-6.41E-04	-8.98E-04	-4.76E-04
2.15E+02	-5.93E-04	-8.99E-04	-4.48E-04
2.15E+02	-5.62E-04	-8.81E-04	-3.74E-04
2.15E+02	-5.29E-04	-8.74E-04	-3.05E-04
2.15E+02	-4.22E-04	-8.67E-04	-2.58E-04
2.15E+02	-3.27E-04	-8.48E-04	-1.94E-04
2.15E+02	-2.57E-04	-8.71E-04	-2.03E-04
2.15E+02	-1.79E-04	-8.95E-04	-2.10E-04
2.15E+02	-1.21E-04	-9.01E-04	-1.68E-04
2.15E+02	-7.51E-05	-9.31E-04	-2.09E-04
2.15E+02	-9.02E-05	-9.48E-04	-2.34E-04
2.15E+02	-1.67E-04	-9.47E-04	-2.03E-04
2.15E+02	-2.15E-04	-8.99E-04	-1.78E-04
2.15E+02	-2.72E-04	-8.01E-04	-1.07E-04
2.15E+02	-3.53E-04	-7.34E-04	-1.08E-04
2.15E+02	-3.96E-04	-6.86E-04	-1.53E-04
2.15E+02	-4.10E-04	-6.25E-04	-1.09E-04
2.15E+02	-3.83E-04	-5.83E-04	-9.38E-05
2.15E+02	-3.57E-04	-5.67E-04	-1.09E-04
2.15E+02	-3.65E-04	-5.62E-04	-1.30E-04
2.15E+02	-3.14E-04	-5.54E-04	-1.80E-04
2.15E+02	-2.48E-04	-5.41E-04	-1.93E-04
2.15E+02	-2.34E-04	-5.61E-04	-2.37E-04
2.15E+02	-2.26E-04	-5.91E-04	-2.87E-04
2.15E+02	-2.34E-04	-5.97E-04	-2.74E-04
2.15E+02	-2.39E-04	-6.30E-04	-3.07E-04
2.15E+02	-2.56E-04	-6.53E-04	-3.20E-04
2.15E+02	-3.37E-04	-6.65E-04	-2.68E-04
2.15E+02	-3.79E-04	-6.79E-04	-2.30E-04
2.15E+02	-4.04E-04	-6.44E-04	-1.48E-04
2.15E+02	-4.81E-04	-6.44E-04	-1.33E-04
2.15E+02	-5.48E-04	-6.78E-04	-2.17E-04
2.15E+02	-6.07E-04	-6.74E-04	-2.35E-04
2.15E+02	-6.32E-04	-6.56E-04	-2.25E-04
2.15E+02	-6.50E-04	-6.24E-04	-1.75E-04
2.15E+02	-7.14E-04	-5.90E-04	-8.47E-05
2.15E+02	-7.17E-04	-5.67E-04	-4.79E-05
2.15E+02	-6.89E-04	-5.38E-04	1.11E-05
2.15E+02	-7.02E-04	-5.29E-04	5.82E-05

2.15E+02	-7.35E-04	-5.73E-04	3.80E-05
2.15E+02	-7.69E-04	-5.92E-04	8.64E-05
2.15E+02	-7.48E-04	-5.78E-04	1.41E-04
2.15E+02	-7.20E-04	-5.81E-04	1.15E-04
2.15E+02	-7.41E-04	-5.70E-04	1.01E-04
2.15E+02	-7.18E-04	-5.39E-04	8.41E-05
2.15E+02	-6.48E-04	-4.72E-04	9.25E-05
2.15E+02	-6.03E-04	-4.23E-04	9.71E-05
2.15E+02	-5.55E-04	-4.15E-04	2.78E-05
2.15E+02	-4.84E-04	-4.01E-04	2.08E-05
2.15E+02	-4.04E-04	-4.15E-04	5.55E-05
2.15E+02	-3.42E-04	-4.39E-04	6.48E-05
2.15E+02	-3.49E-04	-4.60E-04	1.02E-04
2.15E+02	-3.66E-04	-4.95E-04	1.04E-04
2.15E+02	-3.63E-04	-5.09E-04	1.13E-04
2.15E+02	-4.26E-04	-5.47E-04	1.43E-04
2.15E+02	-5.20E-04	-6.41E-04	8.95E-05
2.15E+02	-6.03E-04	-7.22E-04	8.85E-05
2.15E+02	-6.84E-04	-7.83E-04	1.28E-04
2.15E+02	-7.27E-04	-8.35E-04	8.66E-05
2.15E+02	-7.80E-04	-8.48E-04	8.43E-05
2.15E+02	-8.09E-04	-8.11E-04	1.14E-04
2.15E+02	-7.36E-04	-7.19E-04	1.67E-04
2.15E+02	-6.61E-04	-6.12E-04	2.44E-04
2.15E+02	-5.61E-04	-5.52E-04	2.55E-04
2.15E+02	-4.30E-04	-5.23E-04	2.83E-04
2.15E+02	-3.06E-04	-5.10E-04	3.41E-04
2.15E+02	-1.51E-04	-5.09E-04	3.71E-04
2.15E+02	-5.89E-05	-5.11E-04	4.21E-04
2.15E+02	-1.34E-05	-5.22E-04	4.57E-04
2.15E+02	6.77E-05	-5.13E-04	4.66E-04
2.15E+02	1.01E-04	-4.89E-04	4.66E-04
2.15E+02	8.56E-05	-4.88E-04	3.73E-04
2.15E+02	6.14E-05	-4.68E-04	2.70E-04
2.15E+02	3.20E-05	-4.32E-04	2.25E-04
2.15E+02	3.55E-05	-4.26E-04	1.40E-04
2.15E+02	1.39E-05	-4.33E-04	9.71E-05
2.15E+02	-3.97E-05	-4.48E-04	1.09E-04
2.15E+02	-3.76E-05	-4.49E-04	1.38E-04
2.15E+02	-4.71E-05	-4.38E-04	2.22E-04
2.15E+02	-9.31E-05	-4.76E-04	2.35E-04
2.15E+02	-1.11E-04	-5.19E-04	2.36E-04
2.15E+02	-1.30E-04	-5.13E-04	3.01E-04
2.15E+02	-1.31E-04	-4.90E-04	3.10E-04
2.15E+02	-1.39E-04	-4.47E-04	3.19E-04
2.15E+02	-1.82E-04	-4.01E-04	3.18E-04
2.15E+02	-1.60E-04	-3.67E-04	2.68E-04

2.15E+02	-1.14E-04	-3.41E-04	2.53E-04
2.15E+02	-9.31E-05	-3.74E-04	2.21E-04
2.15E+02	-4.96E-05	-4.34E-04	1.89E-04
2.15E+02	4.39E-06	-4.71E-04	2.00E-04
2.15E+02	9.75E-05	-5.14E-04	1.55E-04
2.15E+02	1.91E-04	-5.56E-04	1.09E-04
2.15E+02	2.18E-04	-5.86E-04	1.24E-04
2.15E+02	2.73E-04	-5.86E-04	1.50E-04
2.15E+02	3.33E-04	-5.52E-04	2.28E-04
2.15E+02	3.18E-04	-5.45E-04	2.78E-04
2.15E+02	2.98E-04	-5.63E-04	2.68E-04
2.15E+02	2.67E-04	-5.87E-04	2.98E-04
2.15E+02	2.45E-04	-6.25E-04	3.16E-04
2.15E+02	2.28E-04	-6.59E-04	3.39E-04
2.15E+02	1.32E-04	-7.10E-04	3.68E-04
2.15E+02	1.04E-04	-7.49E-04	3.60E-04
2.15E+02	1.42E-04	-7.41E-04	4.10E-04
2.15E+02	1.23E-04	-7.41E-04	4.22E-04
2.15E+02	1.29E-04	-7.41E-04	3.50E-04
2.15E+02	1.56E-04	-7.08E-04	3.32E-04
2.15E+02	1.93E-04	-6.70E-04	2.88E-04
2.15E+02	2.37E-04	-6.30E-04	2.04E-04
2.15E+02	2.17E-04	-5.79E-04	1.74E-04
2.15E+02	2.10E-04	-5.14E-04	1.39E-04
2.15E+02	2.23E-04	-4.17E-04	1.40E-04
2.15E+02	1.74E-04	-3.40E-04	1.30E-04
2.15E+02	1.15E-04	-3.21E-04	4.75E-05
2.15E+02	6.90E-05	-3.06E-04	3.74E-05
2.15E+02	4.56E-05	-3.09E-04	6.12E-05
2.15E+02	2.75E-05	-3.48E-04	7.44E-05
2.15E+02	-4.69E-05	-3.98E-04	1.07E-04
2.15E+02	-9.54E-05	-4.56E-04	1.20E-04
2.15E+02	-1.09E-04	-5.06E-04	1.89E-04
2.15E+02	-1.58E-04	-5.43E-04	2.86E-04
2.15E+02	-1.95E-04	-5.82E-04	3.25E-04
2.15E+02	-2.11E-04	-6.05E-04	4.05E-04
2.15E+02	-2.01E-04	-6.04E-04	4.56E-04
2.15E+02	-1.58E-04	-6.17E-04	4.09E-04
2.15E+02	-1.52E-04	-6.41E-04	3.96E-04
2.15E+02	-1.33E-04	-6.48E-04	3.95E-04
2.15E+02	-5.23E-05	-6.26E-04	4.14E-04
2.15E+02	-1.05E-05	-6.04E-04	4.35E-04
2.15E+02	2.04E-05	-6.11E-04	3.75E-04
2.15E+02	7.61E-05	-6.05E-04	3.69E-04
2.15E+02	1.09E-04	-5.94E-04	4.21E-04
2.15E+02	1.65E-04	-6.01E-04	4.34E-04
2.15E+02	1.75E-04	-5.99E-04	4.52E-04

2.15E+02	1.54E-04	-6.21E-04	4.14E-04
2.15E+02	2.16E-04	-6.33E-04	3.27E-04
2.15E+02	2.69E-04	-6.20E-04	2.74E-04
2.15E+02	2.97E-04	-6.39E-04	1.95E-04
2.15E+02	3.51E-04	-6.35E-04	1.62E-04
2.15E+02	3.86E-04	-6.33E-04	1.60E-04
2.15E+02	4.27E-04	-6.53E-04	9.57E-05
2.15E+02	4.42E-04	-6.33E-04	6.64E-05
2.15E+02	4.01E-04	-6.19E-04	3.72E-05
2.15E+02	4.08E-04	-5.74E-04	2.80E-05
2.15E+02	4.26E-04	-4.76E-04	9.56E-05
2.15E+02	4.13E-04	-4.09E-04	9.35E-05
2.15E+02	4.42E-04	-3.44E-04	9.02E-05
2.15E+02	4.96E-04	-2.63E-04	1.64E-04
2.15E+02	5.72E-04	-2.09E-04	2.14E-04
2.15E+02	6.19E-04	-1.84E-04	2.66E-04
2.15E+02	6.17E-04	-2.00E-04	2.71E-04
2.15E+02	6.66E-04	-2.42E-04	2.15E-04
2.15E+02	7.02E-04	-2.75E-04	1.94E-04
2.15E+02	6.83E-04	-3.23E-04	1.30E-04
2.15E+02	6.63E-04	-3.70E-04	7.17E-05
2.15E+02	6.31E-04	-3.70E-04	1.09E-04
2.15E+02	6.27E-04	-3.65E-04	9.06E-05
2.15E+02	5.97E-04	-3.91E-04	3.64E-05
2.15E+02	5.12E-04	-4.26E-04	1.45E-05
2.15E+02	4.88E-04	-4.45E-04	-3.66E-05
2.15E+02	4.76E-04	-4.42E-04	-7.10E-05
2.15E+02	4.27E-04	-4.49E-04	-1.55E-04
2.15E+02	4.09E-04	-4.55E-04	-2.99E-04
2.15E+02	4.27E-04	-4.17E-04	-3.44E-04
2.15E+02	4.79E-04	-3.66E-04	-3.34E-04
2.15E+02	5.18E-04	-3.18E-04	-2.73E-04
2.15E+02	5.12E-04	-2.75E-04	-1.43E-04
2.15E+02	5.51E-04	-2.47E-04	-4.65E-05
2.15E+02	6.23E-04	-2.08E-04	4.86E-05
2.15E+02	6.57E-04	-1.92E-04	9.57E-05
2.15E+02	7.09E-04	-1.91E-04	8.43E-05
2.15E+02	7.68E-04	-1.48E-04	1.61E-04
2.15E+02	8.32E-04	-1.06E-04	2.19E-04
2.15E+02	9.06E-04	-6.79E-05	2.04E-04
2.15E+02	9.08E-04	-2.82E-05	2.23E-04
2.15E+02	9.11E-04	-9.92E-06	2.04E-04
2.15E+02	9.23E-04	2.38E-05	1.66E-04
2.15E+02	8.60E-04	2.92E-05	9.65E-05
2.15E+02	7.80E-04	-1.11E-05	-5.99E-05
2.15E+02	7.04E-04	-1.09E-05	-1.55E-04
2.15E+02	6.47E-04	-2.48E-06	-1.95E-04

2.15E+02	6.05E-04	2.86E-06	-2.14E-04
2.15E+02	5.21E-04	2.67E-05	-1.58E-04
2.15E+02	4.62E-04	2.40E-05	-1.12E-04
2.15E+02	4.67E-04	2.82E-05	-6.48E-05
2.15E+02	4.60E-04	2.33E-05	-2.99E-05
2.16E+02	4.64E-04	-2.67E-06	-6.79E-05
2.16E+02	5.19E-04	1.54E-05	-5.66E-05
2.16E+02	6.04E-04	5.04E-05	-2.14E-05
2.16E+02	6.99E-04	7.67E-05	-1.14E-06
2.16E+02	7.26E-04	9.54E-05	9.50E-05
2.16E+02	7.16E-04	9.69E-05	2.00E-04
2.16E+02	7.24E-04	9.65E-05	3.07E-04
2.16E+02	6.61E-04	8.01E-05	3.66E-04
2.16E+02	5.83E-04	2.35E-05	2.65E-04
2.16E+02	5.44E-04	-2.25E-05	1.85E-04
2.16E+02	5.29E-04	-1.83E-05	1.59E-04
2.16E+02	5.81E-04	1.30E-05	9.82E-05
2.16E+02	6.20E-04	6.47E-05	6.18E-05
2.16E+02	6.54E-04	1.09E-04	-2.16E-05
2.16E+02	7.69E-04	1.54E-04	-1.04E-04
2.16E+02	8.71E-04	1.90E-04	-1.24E-04
2.16E+02	9.43E-04	1.77E-04	-1.97E-04
2.16E+02	1.03E-03	1.80E-04	-2.29E-04
2.16E+02	1.09E-03	1.97E-04	-2.09E-04
2.16E+02	1.18E-03	2.22E-04	-2.26E-04
2.16E+02	1.23E-03	2.86E-04	-1.81E-04
2.16E+02	1.19E-03	3.32E-04	-1.28E-04
2.16E+02	1.18E-03	3.98E-04	-9.35E-05
2.16E+02	1.13E-03	4.76E-04	-3.62E-05
2.16E+02	1.03E-03	4.93E-04	-8.11E-05
2.16E+02	9.36E-04	5.14E-04	-1.37E-04
2.16E+02	8.66E-04	5.51E-04	-1.22E-04
2.16E+02	8.28E-04	5.75E-04	-1.37E-04
2.16E+02	7.53E-04	5.95E-04	-1.40E-04
2.16E+02	6.29E-04	5.83E-04	-1.47E-04
2.16E+02	5.69E-04	5.70E-04	-1.75E-04
2.16E+02	5.22E-04	5.71E-04	-1.62E-04
2.16E+02	4.44E-04	5.20E-04	-2.03E-04
2.16E+02	4.07E-04	4.53E-04	-2.49E-04
2.16E+02	3.81E-04	4.08E-04	-1.97E-04
2.16E+02	3.76E-04	3.50E-04	-1.79E-04
2.16E+02	3.69E-04	3.08E-04	-1.82E-04
2.16E+02	3.14E-04	2.89E-04	-1.68E-04
2.16E+02	3.13E-04	2.95E-04	-1.52E-04
2.16E+02	3.36E-04	3.32E-04	-7.15E-05
2.16E+02	3.39E-04	3.41E-04	-3.47E-05
2.16E+02	3.71E-04	3.28E-04	-4.84E-05

2.16E+02	4.21E-04	3.28E-04	1.74E-05
2.16E+02	5.21E-04	3.31E-04	1.06E-04
2.16E+02	5.95E-04	3.26E-04	1.80E-04
2.16E+02	6.01E-04	3.15E-04	2.04E-04
2.16E+02	6.44E-04	3.15E-04	1.67E-04
2.16E+02	6.87E-04	3.49E-04	1.79E-04
2.16E+02	6.68E-04	3.74E-04	1.90E-04
2.16E+02	6.36E-04	3.68E-04	1.68E-04
2.16E+02	5.97E-04	3.87E-04	2.17E-04
2.16E+02	5.62E-04	4.16E-04	2.40E-04
2.16E+02	5.21E-04	4.13E-04	2.06E-04
2.16E+02	4.38E-04	3.95E-04	2.09E-04
2.16E+02	3.97E-04	3.69E-04	2.44E-04
2.16E+02	4.05E-04	3.59E-04	3.37E-04
2.16E+02	3.83E-04	3.29E-04	3.90E-04
2.16E+02	3.70E-04	2.49E-04	3.50E-04
2.16E+02	3.80E-04	1.97E-04	3.63E-04
2.16E+02	4.06E-04	1.63E-04	3.81E-04
2.16E+02	4.47E-04	1.23E-04	3.74E-04
2.16E+02	4.45E-04	9.67E-05	3.92E-04
2.16E+02	4.54E-04	7.84E-05	3.65E-04
2.16E+02	5.08E-04	1.03E-04	3.41E-04
2.16E+02	5.18E-04	1.31E-04	3.17E-04
2.16E+02	4.93E-04	1.37E-04	2.44E-04
2.16E+02	4.61E-04	1.64E-04	2.27E-04
2.16E+02	4.26E-04	1.69E-04	1.99E-04
2.16E+02	4.17E-04	1.55E-04	1.29E-04
2.16E+02	3.73E-04	1.52E-04	1.26E-04
2.16E+02	3.30E-04	1.30E-04	1.27E-04
2.16E+02	3.57E-04	1.39E-04	1.77E-04
2.16E+02	3.70E-04	1.67E-04	2.58E-04
2.16E+02	3.65E-04	1.57E-04	2.33E-04
2.16E+02	3.78E-04	1.78E-04	2.49E-04
2.16E+02	4.11E-04	2.27E-04	3.07E-04
2.16E+02	4.61E-04	2.56E-04	3.23E-04
2.16E+02	4.58E-04	2.90E-04	3.82E-04
2.16E+02	4.43E-04	3.02E-04	4.14E-04
2.16E+02	4.83E-04	2.98E-04	4.21E-04
2.16E+02	5.05E-04	3.04E-04	4.49E-04
2.16E+02	4.89E-04	2.68E-04	3.91E-04
2.16E+02	4.83E-04	2.30E-04	3.31E-04
2.16E+02	4.82E-04	2.28E-04	3.15E-04
2.16E+02	4.93E-04	2.24E-04	2.40E-04
2.16E+02	4.64E-04	2.25E-04	1.69E-04
2.16E+02	3.95E-04	2.34E-04	1.38E-04
2.16E+02	3.77E-04	2.90E-04	1.41E-04
2.16E+02	3.26E-04	3.56E-04	1.69E-04

2.16E+02	2.37E-04	3.75E-04	1.27E-04
2.16E+02	2.00E-04	3.97E-04	9.25E-05
2.16E+02	1.84E-04	4.17E-04	1.14E-04
2.16E+02	2.12E-04	4.13E-04	1.16E-04
2.16E+02	2.23E-04	4.10E-04	1.41E-04
2.16E+02	1.99E-04	3.94E-04	1.56E-04
2.16E+02	2.27E-04	3.80E-04	1.60E-04
2.16E+02	2.35E-04	3.71E-04	2.29E-04
2.16E+02	1.89E-04	3.15E-04	2.46E-04
2.16E+02	1.42E-04	2.44E-04	2.45E-04
2.16E+02	9.40E-05	2.01E-04	3.41E-04
2.16E+02	6.56E-05	1.56E-04	4.07E-04
2.16E+02	3.13E-05	1.10E-04	4.39E-04
2.16E+02	-2.06E-05	7.84E-05	4.61E-04
2.16E+02	-6.29E-06	7.72E-05	4.37E-04
2.16E+02	3.74E-05	1.03E-04	4.17E-04
2.16E+02	6.08E-05	9.29E-05	2.87E-04
2.16E+02	1.18E-04	5.26E-05	6.68E-05
2.16E+02	1.98E-04	5.15E-05	-8.54E-05
2.16E+02	2.93E-04	6.94E-05	-2.74E-04
2.16E+02	3.78E-04	9.37E-05	-4.64E-04
2.16E+02	4.16E-04	1.56E-04	-5.50E-04
2.16E+02	4.76E-04	2.20E-04	-6.36E-04
2.16E+02	5.53E-04	2.87E-04	-6.55E-04
2.16E+02	5.95E-04	3.39E-04	-6.07E-04
2.16E+02	6.35E-04	3.42E-04	-5.68E-04
2.16E+02	6.75E-04	3.54E-04	-4.29E-04
2.16E+02	7.34E-04	3.62E-04	-2.90E-04
2.16E+02	7.87E-04	3.45E-04	-2.20E-04
2.16E+02	7.77E-04	3.51E-04	-1.36E-04
2.16E+02	7.80E-04	3.79E-04	-7.69E-05
2.16E+02	7.89E-04	4.31E-04	7.25E-06
2.16E+02	7.57E-04	4.79E-04	7.11E-05
2.16E+02	7.16E-04	4.84E-04	6.71E-05
2.16E+02	6.76E-04	4.97E-04	1.27E-04
2.16E+02	6.49E-04	5.07E-04	2.11E-04
2.16E+02	6.11E-04	4.84E-04	2.70E-04
2.16E+02	5.14E-04	4.59E-04	3.29E-04
2.16E+02	4.43E-04	4.23E-04	3.08E-04
2.16E+02	4.24E-04	4.04E-04	2.41E-04
2.16E+02	3.80E-04	3.99E-04	1.68E-04
2.16E+02	3.47E-04	3.74E-04	5.68E-05
2.16E+02	3.40E-04	3.85E-04	9.73E-06
2.16E+02	3.65E-04	4.15E-04	9.54E-06
2.16E+02	3.98E-04	4.00E-04	-4.25E-05
2.16E+02	3.79E-04	3.85E-04	-3.68E-05
2.16E+02	3.91E-04	4.01E-04	1.13E-05

2.16E+02	4.22E-04	4.22E-04	3.91E-05
2.16E+02	4.12E-04	4.46E-04	6.69E-05
2.16E+02	3.96E-04	4.48E-04	-1.14E-06
2.16E+02	3.85E-04	4.35E-04	-7.80E-05
2.16E+02	4.03E-04	4.48E-04	-8.07E-05
2.16E+02	4.45E-04	4.67E-04	-8.72E-05
2.16E+02	4.47E-04	4.86E-04	-7.86E-05
2.16E+02	4.64E-04	5.00E-04	-1.30E-04
2.16E+02	5.54E-04	5.14E-04	-2.35E-04
2.16E+02	6.31E-04	5.24E-04	-3.08E-04
2.16E+02	6.89E-04	4.84E-04	-4.13E-04
2.16E+02	7.59E-04	4.37E-04	-4.50E-04
2.16E+02	8.18E-04	3.97E-04	-4.02E-04
2.16E+02	8.85E-04	3.27E-04	-3.81E-04
2.16E+02	9.04E-04	2.62E-04	-3.02E-04
2.16E+02	8.74E-04	1.85E-04	-2.23E-04
2.16E+02	8.86E-04	1.34E-04	-1.77E-04
2.16E+02	8.89E-04	1.28E-04	-1.21E-04
2.16E+02	8.69E-04	1.04E-04	-1.72E-04
2.16E+02	8.77E-04	1.14E-04	-2.11E-04
2.16E+02	9.04E-04	1.72E-04	-1.75E-04
2.16E+02	9.51E-04	2.14E-04	-2.02E-04
2.16E+02	9.40E-04	2.52E-04	-2.11E-04
2.16E+02	8.71E-04	2.72E-04	-1.97E-04
2.16E+02	8.30E-04	2.63E-04	-2.14E-04
2.16E+02	7.52E-04	2.49E-04	-2.17E-04
2.16E+02	6.26E-04	2.03E-04	-3.01E-04
2.16E+02	5.06E-04	1.48E-04	-4.08E-04
2.16E+02	3.78E-04	1.39E-04	-4.17E-04
2.16E+02	2.67E-04	1.33E-04	-4.34E-04
2.16E+02	1.37E-04	1.24E-04	-4.28E-04
2.16E+02	-1.79E-05	1.32E-04	-3.85E-04
2.16E+02	-1.19E-04	1.46E-04	-3.61E-04
2.16E+02	-1.98E-04	1.63E-04	-2.85E-04
2.16E+02	-2.78E-04	1.32E-04	-2.59E-04
2.16E+02	-3.20E-04	7.99E-05	-2.76E-04
2.16E+02	-3.20E-04	5.00E-05	-2.15E-04
2.16E+02	-2.90E-04	-1.72E-06	-1.76E-04
2.16E+02	-2.83E-04	-5.44E-05	-1.29E-04
2.16E+02	-3.01E-04	-1.03E-04	-5.47E-05
2.16E+02	-2.93E-04	-1.59E-04	-3.32E-05
2.16E+02	-2.79E-04	-1.89E-04	2.37E-05
2.16E+02	-3.02E-04	-2.40E-04	4.96E-05
2.16E+02	-3.37E-04	-2.90E-04	1.53E-06
2.16E+02	-3.65E-04	-2.84E-04	-1.68E-05
2.16E+02	-3.71E-04	-2.80E-04	-7.78E-05
2.16E+02	-3.83E-04	-3.02E-04	-1.71E-04

2.16E+02	-4.45E-04	-3.42E-04	-2.02E-04
2.16E+02	-4.81E-04	-3.84E-04	-2.06E-04
2.16E+02	-4.90E-04	-3.96E-04	-1.93E-04
2.16E+02	-5.39E-04	-4.32E-04	-2.17E-04
2.16E+02	-5.74E-04	-4.84E-04	-2.78E-04
2.16E+02	-5.79E-04	-4.99E-04	-2.81E-04
2.16E+02	-5.56E-04	-5.02E-04	-3.03E-04
2.16E+02	-5.22E-04	-4.81E-04	-3.54E-04
2.16E+02	-5.41E-04	-4.52E-04	-3.89E-04
2.16E+02	-5.25E-04	-4.21E-04	-4.53E-04
2.16E+02	-4.65E-04	-3.68E-04	-4.71E-04
2.16E+02	-4.48E-04	-3.55E-04	-4.79E-04
2.16E+02	-4.31E-04	-3.90E-04	-5.28E-04
2.16E+02	-4.20E-04	-4.17E-04	-4.92E-04
2.16E+02	-4.07E-04	-4.58E-04	-4.57E-04
2.16E+02	-3.99E-04	-5.09E-04	-4.74E-04
2.16E+02	-4.48E-04	-5.25E-04	-4.24E-04
2.17E+02	-4.85E-04	-5.07E-04	-3.54E-04
2.17E+02	-5.01E-04	-4.38E-04	-2.54E-04
2.17E+02	-5.58E-04	-3.62E-04	-1.74E-04
2.17E+02	-6.27E-04	-3.24E-04	-2.26E-04
2.17E+02	-6.77E-04	-2.72E-04	-2.61E-04
2.17E+02	-7.01E-04	-2.26E-04	-2.53E-04
2.17E+02	-7.19E-04	-2.12E-04	-2.71E-04
2.17E+02	-7.76E-04	-2.01E-04	-2.40E-04
2.17E+02	-8.09E-04	-1.96E-04	-1.77E-04
2.17E+02	-7.92E-04	-1.75E-04	-9.78E-05
2.17E+02	-8.05E-04	-1.51E-04	-3.13E-05
2.17E+02	-8.34E-04	-1.47E-04	-7.06E-05
2.17E+02	-8.31E-04	-9.19E-05	-9.98E-05
2.17E+02	-8.00E-04	-7.44E-06	-1.35E-04
2.17E+02	-7.55E-04	6.66E-05	-2.63E-04
2.17E+02	-7.41E-04	1.70E-04	-3.36E-04
2.17E+02	-7.28E-04	2.89E-04	-3.64E-04
2.17E+02	-6.74E-04	4.33E-04	-3.47E-04
2.17E+02	-6.65E-04	5.86E-04	-2.69E-04
2.17E+02	-6.90E-04	6.95E-04	-2.65E-04
2.17E+02	-7.04E-04	8.14E-04	-2.47E-04
2.17E+02	-7.31E-04	9.48E-04	-1.89E-04
2.17E+02	-7.50E-04	1.05E-03	-1.89E-04
2.17E+02	-8.11E-04	1.16E-03	-1.77E-04
2.17E+02	-8.89E-04	1.25E-03	-1.71E-04
2.17E+02	-8.99E-04	1.33E-03	-1.44E-04
2.17E+02	-9.38E-04	1.39E-03	-6.48E-05
2.17E+02	-1.00E-03	1.37E-03	-6.41E-05
2.17E+02	-1.04E-03	1.32E-03	-8.98E-05
2.17E+02	-1.07E-03	1.28E-03	-8.64E-05

2.17E+02	-1.05E-03	1.20E-03	-1.59E-04
2.17E+02	-1.03E-03	1.14E-03	-2.29E-04
2.17E+02	-1.04E-03	1.10E-03	-2.57E-04
2.17E+02	-9.86E-04	1.10E-03	-2.75E-04
2.17E+02	-9.53E-04	1.13E-03	-2.74E-04
2.17E+02	-9.57E-04	1.13E-03	-3.45E-04
2.17E+02	-9.25E-04	1.13E-03	-3.98E-04
2.17E+02	-8.70E-04	1.16E-03	-3.50E-04
2.17E+02	-7.88E-04	1.19E-03	-3.19E-04
2.17E+02	-7.35E-04	1.22E-03	-2.71E-04
2.17E+02	-7.12E-04	1.26E-03	-1.95E-04
2.17E+02	-6.32E-04	1.31E-03	-1.39E-04
2.17E+02	-5.59E-04	1.35E-03	-5.19E-05
2.17E+02	-5.39E-04	1.34E-03	-2.16E-05
2.17E+02	-5.05E-04	1.30E-03	-3.68E-05
2.17E+02	-4.60E-04	1.27E-03	-2.94E-05
2.17E+02	-3.96E-04	1.22E-03	-1.05E-04
2.17E+02	-3.37E-04	1.16E-03	-1.96E-04
2.17E+02	-3.17E-04	1.11E-03	-2.39E-04
2.17E+02	-2.61E-04	1.10E-03	-2.38E-04
2.17E+02	-2.35E-04	1.11E-03	-1.90E-04
2.17E+02	-2.70E-04	1.10E-03	-2.08E-04
2.17E+02	-2.73E-04	1.08E-03	-2.38E-04
2.17E+02	-2.84E-04	1.07E-03	-2.03E-04
2.17E+02	-2.84E-04	1.03E-03	-2.09E-04
2.17E+02	-2.82E-04	9.79E-04	-2.23E-04
2.17E+02	-3.23E-04	9.37E-04	-1.94E-04
2.17E+02	-3.13E-04	9.04E-04	-1.71E-04
2.17E+02	-2.97E-04	8.85E-04	-1.33E-04
2.17E+02	-3.28E-04	8.47E-04	-1.34E-04
2.17E+02	-3.55E-04	7.88E-04	-1.58E-04
2.17E+02	-3.80E-04	7.64E-04	-8.09E-05
2.17E+02	-3.93E-04	7.35E-04	-3.15E-05
2.17E+02	-4.19E-04	6.67E-04	-4.43E-05
2.17E+02	-4.81E-04	6.02E-04	-3.70E-05
2.17E+02	-5.05E-04	5.44E-04	-5.78E-05
2.17E+02	-5.04E-04	4.98E-04	-6.71E-05
2.17E+02	-5.35E-04	4.35E-04	-1.23E-04
2.17E+02	-5.45E-04	3.42E-04	-2.24E-04
2.17E+02	-5.27E-04	3.06E-04	-2.20E-04
2.17E+02	-5.05E-04	2.95E-04	-2.27E-04
2.17E+02	-4.86E-04	2.79E-04	-2.53E-04
2.17E+02	-5.18E-04	3.05E-04	-2.23E-04
2.17E+02	-5.33E-04	3.37E-04	-2.31E-04
2.17E+02	-5.08E-04	3.85E-04	-1.91E-04
2.17E+02	-5.51E-04	4.28E-04	-1.46E-04
2.17E+02	-6.18E-04	4.34E-04	-1.83E-04

2.17E+02	-6.73E-04	4.76E-04	-1.59E-04
2.17E+02	-7.38E-04	5.26E-04	-1.48E-04
2.17E+02	-7.98E-04	5.54E-04	-1.85E-04
2.17E+02	-8.95E-04	5.95E-04	-1.77E-04
2.17E+02	-9.66E-04	6.45E-04	-1.75E-04
2.17E+02	-9.71E-04	7.23E-04	-1.45E-04
2.17E+02	-1.00E-03	7.93E-04	-1.36E-04
2.17E+02	-1.01E-03	8.12E-04	-2.21E-04
2.17E+02	-9.85E-04	8.42E-04	-2.75E-04
2.17E+02	-9.35E-04	8.86E-04	-3.00E-04
2.17E+02	-8.64E-04	9.12E-04	-3.35E-04
2.17E+02	-8.31E-04	9.37E-04	-3.38E-04
2.17E+02	-7.84E-04	9.48E-04	-3.37E-04
2.17E+02	-6.84E-04	9.56E-04	-3.05E-04
2.17E+02	-6.28E-04	9.28E-04	-2.56E-04
2.17E+02	-6.01E-04	8.34E-04	-2.45E-04
2.17E+02	-5.63E-04	7.53E-04	-1.79E-04
2.17E+02	-5.17E-04	6.86E-04	-1.17E-04
2.17E+02	-4.61E-04	6.07E-04	-1.31E-04
2.17E+02	-4.58E-04	5.52E-04	-1.07E-04
2.17E+02	-4.60E-04	5.32E-04	-6.41E-05
2.17E+02	-4.32E-04	5.56E-04	-6.10E-06
2.17E+02	-4.68E-04	5.95E-04	3.57E-05
2.17E+02	-5.30E-04	6.01E-04	-2.65E-05
2.17E+02	-5.67E-04	6.12E-04	-4.52E-05
2.17E+02	-5.98E-04	6.54E-04	4.96E-06
2.17E+02	-6.27E-04	6.76E-04	-1.53E-06
2.17E+02	-7.02E-04	6.95E-04	-2.02E-05
2.17E+02	-7.81E-04	7.10E-04	-6.60E-05
2.17E+02	-8.04E-04	6.94E-04	-1.38E-04
2.17E+02	-8.48E-04	6.68E-04	-1.75E-04
2.17E+02	-9.09E-04	5.93E-04	-2.60E-04
2.17E+02	-9.28E-04	5.27E-04	-3.43E-04
2.17E+02	-9.36E-04	4.89E-04	-4.05E-04
2.17E+02	-9.03E-04	4.23E-04	-5.12E-04
2.17E+02	-8.61E-04	3.71E-04	-5.44E-04
2.17E+02	-8.54E-04	3.17E-04	-5.16E-04
2.17E+02	-8.09E-04	2.90E-04	-4.71E-04
2.17E+02	-7.79E-04	2.86E-04	-4.04E-04
2.17E+02	-7.80E-04	2.42E-04	-3.94E-04
2.17E+02	-7.36E-04	2.08E-04	-3.41E-04
2.17E+02	-6.78E-04	1.98E-04	-2.03E-04
2.17E+02	-6.05E-04	1.81E-04	-1.25E-04
2.17E+02	-5.60E-04	1.68E-04	-8.05E-05
2.17E+02	-5.56E-04	1.59E-04	-5.02E-05
2.17E+02	-5.04E-04	1.65E-04	-4.50E-05
2.17E+02	-4.73E-04	1.83E-04	-5.34E-06

2.17E+02	-5.03E-04	1.61E-04	-2.02E-05
2.17E+02	-5.27E-04	1.12E-04	-5.53E-05
2.17E+02	-5.54E-04	7.57E-05	-3.13E-05
2.17E+02	-5.61E-04	1.87E-05	-5.26E-05
2.17E+02	-5.46E-04	-3.41E-05	-4.58E-05
2.17E+02	-5.59E-04	-7.61E-05	-1.32E-05
2.17E+02	-5.36E-04	-1.34E-04	-1.26E-05
2.17E+02	-4.89E-04	-1.68E-04	5.32E-05
2.17E+02	-4.74E-04	-2.22E-04	6.90E-05
2.17E+02	-4.46E-04	-3.08E-04	4.12E-05
2.17E+02	-4.00E-04	-3.54E-04	8.34E-05
2.17E+02	-3.46E-04	-3.87E-04	8.05E-05
2.17E+02	-3.21E-04	-4.31E-04	5.70E-05
2.17E+02	-3.31E-04	-4.40E-04	5.59E-05
2.17E+02	-2.89E-04	-4.23E-04	2.84E-05
2.17E+02	-2.31E-04	-3.95E-04	3.91E-05
2.17E+02	-2.30E-04	-3.93E-04	3.01E-05
2.17E+02	-2.36E-04	-4.34E-04	6.68E-06
2.17E+02	-2.23E-04	-4.64E-04	8.43E-05
2.17E+02	-1.93E-04	-5.00E-04	1.47E-04
2.17E+02	-1.58E-04	-5.39E-04	1.80E-04
2.17E+02	-1.56E-04	-5.58E-04	2.15E-04
2.17E+02	-1.24E-04	-5.53E-04	2.16E-04
2.17E+02	-6.48E-05	-5.07E-04	2.47E-04
2.17E+02	-4.98E-05	-4.80E-04	2.32E-04
2.17E+02	-1.16E-05	-4.71E-04	1.89E-04
2.17E+02	4.37E-05	-4.54E-04	2.23E-04
2.17E+02	1.03E-04	-4.51E-04	2.67E-04
2.17E+02	1.65E-04	-4.41E-04	3.19E-04
2.17E+02	1.75E-04	-4.32E-04	3.75E-04
2.17E+02	2.16E-04	-4.24E-04	4.01E-04
2.17E+02	2.72E-04	-4.04E-04	4.28E-04
2.17E+02	2.62E-04	-4.20E-04	3.96E-04
2.17E+02	2.47E-04	-4.51E-04	3.13E-04
2.17E+02	2.39E-04	-4.36E-04	3.02E-04
2.17E+02	2.31E-04	-4.24E-04	2.74E-04
2.17E+02	2.12E-04	-4.35E-04	1.91E-04
2.17E+02	1.40E-04	-4.38E-04	1.49E-04
2.17E+02	8.89E-05	-4.15E-04	1.19E-04
2.17E+02	5.40E-05	-3.59E-04	1.11E-04
2.17E+02	-3.70E-05	-2.99E-04	9.56E-05
2.17E+02	-1.21E-04	-2.53E-04	5.23E-05
2.17E+02	-1.87E-04	-1.89E-04	9.08E-05
2.17E+02	-2.40E-04	-1.18E-04	1.68E-04
2.17E+02	-2.82E-04	-8.91E-05	2.11E-04
2.17E+02	-3.69E-04	-8.16E-05	2.72E-04
2.17E+02	-4.16E-04	-8.16E-05	3.29E-04

2.17E+02	-4.06E-04	-8.74E-05	3.76E-04
2.17E+02	-4.30E-04	-9.92E-05	4.16E-04
2.17E+02	-4.46E-04	-1.23E-04	3.94E-04
2.17E+02	-4.35E-04	-1.07E-04	4.11E-04
2.17E+02	-4.10E-04	-6.33E-05	4.31E-04
2.17E+02	-3.64E-04	-3.05E-05	3.65E-04
2.17E+02	-3.63E-04	1.39E-05	3.20E-04
2.17E+02	-3.61E-04	5.87E-05	2.70E-04
2.17E+02	-3.08E-04	1.06E-04	2.25E-04
2.17E+02	-2.90E-04	1.38E-04	2.07E-04
2.17E+02	-2.96E-04	1.16E-04	1.36E-04
2.17E+02	-2.85E-04	8.74E-05	1.36E-04
2.17E+02	-2.74E-04	5.46E-05	2.00E-04
2.17E+02	-2.62E-04	-8.58E-06	2.24E-04
2.17E+02	-2.87E-04	-6.98E-05	2.75E-04
2.17E+02	-3.16E-04	-1.24E-04	3.22E-04
2.17E+02	-2.90E-04	-1.57E-04	3.61E-04
2.17E+02	-2.78E-04	-1.75E-04	4.14E-04
2.17E+02	-2.91E-04	-2.07E-04	4.04E-04
2.17E+02	-2.87E-04	-2.20E-04	4.05E-04
2.17E+02	-2.69E-04	-2.07E-04	4.50E-04
2.17E+02	-2.35E-04	-2.13E-04	4.41E-04
2.17E+02	-2.28E-04	-2.38E-04	4.23E-04
2.17E+02	-2.30E-04	-2.66E-04	4.21E-04
2.17E+02	-1.79E-04	-2.78E-04	4.24E-04
2.17E+02	-1.37E-04	-2.87E-04	4.32E-04
2.17E+02	-1.27E-04	-3.40E-04	3.64E-04
2.17E+02	-9.63E-05	-3.92E-04	3.15E-04
2.17E+02	-4.50E-05	-4.11E-04	3.46E-04
2.18E+02	1.11E-05	-4.43E-04	3.25E-04
2.18E+02	2.98E-05	-4.81E-04	2.83E-04
2.18E+02	3.49E-05	-5.10E-04	2.67E-04
2.18E+02	1.06E-04	-5.29E-04	2.45E-04
2.18E+02	1.77E-04	-5.37E-04	2.40E-04
2.18E+02	2.12E-04	-5.72E-04	2.09E-04
2.18E+02	2.76E-04	-6.08E-04	2.00E-04
2.18E+02	3.36E-04	-6.13E-04	2.64E-04
2.18E+02	3.88E-04	-6.47E-04	2.99E-04
2.18E+02	4.14E-04	-7.02E-04	3.41E-04
2.18E+02	3.71E-04	-7.63E-04	3.93E-04
2.18E+02	3.58E-04	-7.97E-04	4.24E-04
2.18E+02	3.50E-04	-7.91E-04	4.73E-04
2.18E+02	2.82E-04	-8.17E-04	4.17E-04
2.18E+02	2.47E-04	-8.26E-04	3.18E-04
2.18E+02	2.49E-04	-7.86E-04	2.87E-04
2.18E+02	2.75E-04	-7.53E-04	2.08E-04
2.18E+02	3.05E-04	-7.14E-04	1.23E-04

2.18E+02	3.18E-04	-6.59E-04	9.02E-05
2.18E+02	3.89E-04	-6.10E-04	6.87E-05
2.18E+02	4.78E-04	-5.58E-04	6.83E-05
2.18E+02	5.30E-04	-5.29E-04	1.39E-05
2.18E+02	6.04E-04	-5.13E-04	-5.38E-05
2.18E+02	6.91E-04	-4.60E-04	-3.20E-05
2.18E+02	7.88E-04	-4.11E-04	-1.47E-05
2.18E+02	8.58E-04	-3.84E-04	-6.68E-06
2.18E+02	8.56E-04	-3.53E-04	2.23E-05
2.18E+02	8.70E-04	-2.99E-04	4.14E-05
2.18E+02	8.62E-04	-2.37E-04	7.19E-05
2.18E+02	7.73E-04	-2.09E-04	7.08E-05
2.18E+02	6.78E-04	-1.91E-04	6.45E-05
2.18E+02	5.78E-04	-1.61E-04	1.36E-04
2.18E+02	4.78E-04	-1.49E-04	2.27E-04
2.18E+02	3.67E-04	-1.50E-04	3.19E-04
2.18E+02	2.15E-04	-1.60E-04	4.32E-04
2.18E+02	1.05E-04	-1.65E-04	5.10E-04
2.18E+02	3.70E-05	-1.54E-04	5.61E-04
2.18E+02	-5.65E-05	-1.58E-04	5.42E-04
2.18E+02	-1.27E-04	-1.70E-04	4.42E-04
2.18E+02	-1.63E-04	-1.59E-04	3.88E-04
2.18E+02	-1.81E-04	-1.49E-04	3.37E-04
2.18E+02	-1.96E-04	-1.64E-04	2.54E-04
2.18E+02	-2.63E-04	-1.93E-04	2.17E-04
2.18E+02	-3.08E-04	-2.15E-04	2.05E-04
2.18E+02	-3.16E-04	-2.11E-04	2.35E-04
2.18E+02	-3.66E-04	-2.16E-04	2.31E-04
2.18E+02	-3.94E-04	-2.41E-04	1.33E-04
2.18E+02	-3.84E-04	-2.22E-04	8.77E-05
2.18E+02	-3.65E-04	-1.84E-04	7.97E-05
2.18E+02	-3.44E-04	-1.64E-04	5.55E-05
2.18E+02	-3.69E-04	-1.47E-04	5.78E-05
2.18E+02	-3.84E-04	-1.40E-04	5.44E-05
2.18E+02	-3.64E-04	-1.37E-04	6.75E-05
2.18E+02	-4.02E-04	-1.42E-04	5.74E-05
2.18E+02	-4.59E-04	-1.54E-04	-3.99E-05
2.18E+02	-5.02E-04	-1.18E-04	-1.15E-04
2.18E+02	-5.40E-04	-4.12E-05	-1.61E-04
2.18E+02	-5.54E-04	4.06E-05	-2.31E-04
2.18E+02	-6.03E-04	1.26E-04	-2.57E-04
2.18E+02	-6.39E-04	2.08E-04	-2.41E-04
2.18E+02	-6.17E-04	2.99E-04	-1.89E-04
2.18E+02	-6.19E-04	3.50E-04	-1.47E-04
2.18E+02	-6.15E-04	3.37E-04	-2.02E-04
2.18E+02	-5.70E-04	3.31E-04	-2.31E-04
2.18E+02	-4.97E-04	3.42E-04	-2.18E-04

2.18E+02	-3.99E-04	3.37E-04	-2.41E-04
2.18E+02	-3.38E-04	3.29E-04	-2.51E-04
2.18E+02	-2.79E-04	3.11E-04	-2.70E-04
2.18E+02	-1.79E-04	2.80E-04	-2.79E-04
2.18E+02	-1.21E-04	2.19E-04	-2.57E-04
2.18E+02	-1.11E-04	1.01E-04	-2.81E-04
2.18E+02	-1.10E-04	-1.43E-05	-2.85E-04
2.18E+02	-1.05E-04	-9.02E-05	-2.66E-04
2.18E+02	-8.53E-05	-1.68E-04	-2.99E-04
2.18E+02	-7.84E-05	-2.32E-04	-2.85E-04
2.18E+02	-7.93E-05	-2.82E-04	-2.45E-04
2.18E+02	-2.67E-05	-3.01E-04	-1.97E-04
2.18E+02	3.57E-05	-2.90E-04	-1.20E-04
2.18E+02	5.07E-05	-3.18E-04	-1.55E-04
2.18E+02	9.65E-05	-3.36E-04	-1.91E-04
2.18E+02	1.76E-04	-3.17E-04	-1.59E-04
2.18E+02	2.64E-04	-3.19E-04	-1.68E-04
2.18E+02	3.25E-04	-3.27E-04	-1.14E-04
2.18E+02	3.47E-04	-3.43E-04	-3.11E-05
2.18E+02	4.14E-04	-3.66E-04	1.98E-05
2.18E+02	4.65E-04	-3.90E-04	8.35E-05
2.18E+02	4.71E-04	-4.50E-04	5.38E-05
2.18E+02	4.88E-04	-5.07E-04	2.86E-06
2.18E+02	5.04E-04	-5.36E-04	-4.58E-06
2.18E+02	5.43E-04	-5.79E-04	-8.87E-05
2.18E+02	5.53E-04	-6.23E-04	-1.74E-04
2.18E+02	5.33E-04	-6.60E-04	-2.16E-04
2.18E+02	5.68E-04	-6.89E-04	-2.21E-04
2.18E+02	6.04E-04	-7.09E-04	-1.59E-04
2.18E+02	5.97E-04	-7.82E-04	-1.65E-04
2.18E+02	5.94E-04	-8.86E-04	-2.01E-04
2.18E+02	5.98E-04	-9.70E-04	-1.88E-04
2.18E+02	6.14E-04	-1.07E-03	-2.17E-04
2.18E+02	6.21E-04	-1.16E-03	-2.33E-04
2.18E+02	5.82E-04	-1.23E-03	-2.46E-04
2.18E+02	5.83E-04	-1.29E-03	-2.92E-04
2.18E+02	6.21E-04	-1.30E-03	-2.91E-04
2.18E+02	6.04E-04	-1.32E-03	-3.07E-04
2.18E+02	5.88E-04	-1.33E-03	-3.14E-04
2.18E+02	5.87E-04	-1.28E-03	-2.44E-04
2.18E+02	5.82E-04	-1.23E-03	-2.15E-04
2.18E+02	5.53E-04	-1.18E-03	-1.99E-04
2.18E+02	4.79E-04	-1.13E-03	-1.32E-04
2.18E+02	4.35E-04	-1.07E-03	-6.48E-05
2.18E+02	4.05E-04	-9.87E-04	1.37E-05
2.18E+02	3.37E-04	-9.41E-04	2.96E-05
2.18E+02	2.83E-04	-9.36E-04	8.96E-06

2.18E+02	2.62E-04	-9.16E-04	8.32E-05
2.18E+02	2.67E-04	-9.04E-04	1.73E-04
2.18E+02	2.67E-04	-9.12E-04	2.39E-04
2.18E+02	2.39E-04	-9.19E-04	2.89E-04
2.18E+02	2.41E-04	-9.34E-04	2.86E-04
2.18E+02	2.70E-04	-9.45E-04	2.75E-04
2.18E+02	2.62E-04	-9.66E-04	2.11E-04
2.18E+02	2.57E-04	-1.01E-03	9.75E-05
2.18E+02	2.71E-04	-1.03E-03	7.11E-05
2.18E+02	2.98E-04	-1.06E-03	7.61E-05
2.18E+02	3.25E-04	-1.12E-03	5.34E-05
2.18E+02	3.15E-04	-1.16E-03	5.87E-05
2.18E+02	3.33E-04	-1.17E-03	4.60E-05
2.18E+02	3.80E-04	-1.13E-03	3.05E-05
2.18E+02	3.93E-04	-1.07E-03	-3.01E-05
2.18E+02	4.10E-04	-1.06E-03	-1.93E-04
2.18E+02	4.60E-04	-1.01E-03	-2.90E-04
2.18E+02	5.38E-04	-9.42E-04	-3.43E-04
2.18E+02	5.86E-04	-9.23E-04	-4.17E-04
2.18E+02	5.65E-04	-9.09E-04	-4.21E-04
2.18E+02	5.44E-04	-8.98E-04	-4.10E-04
2.18E+02	5.37E-04	-8.78E-04	-3.72E-04
2.18E+02	4.91E-04	-8.58E-04	-3.00E-04
2.18E+02	4.32E-04	-8.67E-04	-2.46E-04
2.18E+02	3.98E-04	-8.48E-04	-1.11E-04
2.18E+02	3.90E-04	-8.22E-04	1.49E-05
2.18E+02	3.89E-04	-8.19E-04	3.11E-05
2.18E+02	3.73E-04	-8.05E-04	5.70E-05
2.18E+02	3.86E-04	-7.81E-04	8.11E-05
2.18E+02	4.53E-04	-7.32E-04	1.27E-04
2.18E+02	4.90E-04	-7.06E-04	1.80E-04
2.18E+02	5.03E-04	-7.31E-04	1.39E-04
2.18E+02	5.44E-04	-7.40E-04	1.42E-04
2.18E+02	5.70E-04	-7.62E-04	1.77E-04
2.18E+02	5.74E-04	-7.88E-04	1.78E-04
2.18E+02	5.38E-04	-7.79E-04	2.31E-04
2.18E+02	4.78E-04	-7.60E-04	2.64E-04
2.18E+02	4.52E-04	-7.16E-04	2.74E-04
2.18E+02	3.89E-04	-6.68E-04	2.82E-04
2.18E+02	2.90E-04	-6.40E-04	2.15E-04
2.18E+02	2.13E-04	-5.95E-04	1.71E-04
2.18E+02	1.34E-04	-5.34E-04	1.62E-04
2.18E+02	6.50E-05	-4.76E-04	9.67E-05
2.18E+02	-2.73E-05	-4.05E-04	5.19E-05
2.18E+02	-1.14E-04	-3.16E-04	5.30E-05
2.18E+02	-1.32E-04	-2.11E-04	9.57E-05
2.18E+02	-1.55E-04	-1.27E-04	1.59E-04

2.18E+02	-1.93E-04	-1.17E-04	1.38E-04
2.18E+02	-1.95E-04	-1.32E-04	1.15E-04
2.18E+02	-1.55E-04	-1.38E-04	1.35E-04
2.18E+02	-8.30E-05	-1.76E-04	1.18E-04
2.18E+02	-1.83E-05	-2.20E-04	1.20E-04
2.18E+02	4.50E-05	-2.62E-04	1.43E-04
2.18E+02	1.63E-04	-2.97E-04	1.40E-04
2.18E+02	2.81E-04	-3.08E-04	1.54E-04
2.18E+02	3.31E-04	-3.56E-04	1.34E-04
2.18E+02	3.78E-04	-3.88E-04	1.41E-04
2.18E+02	4.39E-04	-3.63E-04	2.40E-04
2.18E+02	4.83E-04	-3.68E-04	2.72E-04
2.18E+02	4.86E-04	-3.66E-04	2.82E-04
2.18E+02	4.55E-04	-3.34E-04	3.36E-04
2.18E+02	4.57E-04	-2.79E-04	3.82E-04
2.18E+02	4.39E-04	-1.98E-04	4.29E-04
2.18E+02	3.67E-04	-1.54E-04	4.07E-04
2.18E+02	3.06E-04	-1.17E-04	3.90E-04
2.18E+02	2.43E-04	-4.83E-05	4.45E-04
2.18E+02	1.76E-04	-3.05E-06	4.34E-04
2.18E+02	8.11E-05	2.40E-05	3.80E-04
2.18E+02	-4.41E-05	5.19E-05	3.22E-04
2.18E+02	-1.07E-04	8.58E-05	2.47E-04
2.18E+02	-1.33E-04	1.27E-04	2.05E-04
2.18E+02	-1.54E-04	1.29E-04	1.32E-04
2.18E+02	-1.13E-04	1.09E-04	8.20E-05
2.18E+02	-3.87E-05	8.07E-05	1.19E-04
2.18E+02	7.29E-05	3.62E-06	1.18E-04
2.18E+02	2.04E-04	-9.02E-05	1.04E-04
2.18E+02	3.03E-04	-1.77E-04	1.10E-04
2.18E+02	4.38E-04	-2.38E-04	1.11E-04
2.18E+02	5.79E-04	-2.49E-04	1.54E-04
2.18E+02	6.58E-04	-2.65E-04	1.63E-04
2.18E+02	7.12E-04	-2.90E-04	1.26E-04
2.18E+02	7.49E-04	-2.84E-04	1.41E-04
2.18E+02	7.62E-04	-2.98E-04	1.43E-04
2.18E+02	7.29E-04	-3.40E-04	1.35E-04
2.18E+02	6.37E-04	-3.80E-04	1.54E-04
2.18E+02	5.59E-04	-4.25E-04	1.64E-04
2.18E+02	5.05E-04	-4.44E-04	2.17E-04
2.18E+02	4.19E-04	-4.70E-04	2.52E-04
2.19E+02	3.38E-04	-5.07E-04	2.22E-04
2.19E+02	2.76E-04	-4.88E-04	2.42E-04
2.19E+02	2.45E-04	-4.46E-04	2.63E-04
2.19E+02	2.37E-04	-3.95E-04	2.78E-04
2.19E+02	1.86E-04	-3.33E-04	3.48E-04
2.19E+02	1.59E-04	-2.85E-04	4.04E-04

2.19E+02	1.56E-04	-2.32E-04	4.63E-04
2.19E+02	9.75E-05	-2.14E-04	4.65E-04
2.19E+02	3.89E-05	-2.46E-04	3.61E-04
2.19E+02	2.10E-06	-2.52E-04	3.18E-04
2.19E+02	-9.35E-06	-2.53E-04	2.89E-04
2.19E+02	-3.81E-07	-2.71E-04	2.04E-04
2.19E+02	-2.14E-05	-2.63E-04	1.44E-04
2.19E+02	-1.43E-05	-2.43E-04	5.42E-05
2.19E+02	3.87E-05	-2.13E-04	-6.48E-06
2.19E+02	5.68E-05	-1.76E-04	-2.96E-05
2.19E+02	5.74E-05	-1.81E-04	-1.21E-04
2.19E+02	6.73E-05	-1.88E-04	-1.75E-04
2.19E+02	9.44E-05	-1.75E-04	-2.02E-04
2.19E+02	1.46E-04	-1.81E-04	-2.58E-04
2.19E+02	1.70E-04	-1.90E-04	-2.61E-04
2.19E+02	2.12E-04	-1.99E-04	-2.30E-04
2.19E+02	2.93E-04	-2.10E-04	-1.53E-04
2.19E+02	3.36E-04	-2.41E-04	-7.38E-05
2.19E+02	3.65E-04	-3.31E-04	-7.78E-05
2.19E+02	4.05E-04	-4.23E-04	-5.07E-05
2.19E+02	4.50E-04	-5.00E-04	7.06E-06
2.19E+02	4.96E-04	-5.91E-04	2.82E-05
2.19E+02	4.83E-04	-6.60E-04	7.17E-05
2.19E+02	4.81E-04	-6.93E-04	1.25E-04
2.19E+02	5.51E-04	-6.79E-04	2.14E-04
2.19E+02	5.99E-04	-6.44E-04	3.41E-04
2.19E+02	6.30E-04	-6.36E-04	4.23E-04
2.19E+02	6.51E-04	-6.19E-04	4.85E-04
2.19E+02	6.72E-04	-5.88E-04	5.08E-04
2.19E+02	7.12E-04	-5.78E-04	4.52E-04
2.19E+02	6.92E-04	-5.59E-04	3.60E-04
2.19E+02	6.56E-04	-5.25E-04	2.63E-04
2.19E+02	6.56E-04	-4.50E-04	2.06E-04
2.19E+02	6.23E-04	-3.43E-04	1.61E-04
2.19E+02	5.68E-04	-2.91E-04	4.33E-05
2.19E+02	5.39E-04	-2.45E-04	-1.81E-05
2.19E+02	5.13E-04	-1.81E-04	1.74E-05
2.19E+02	4.84E-04	-1.50E-04	-6.29E-06
2.19E+02	4.31E-04	-1.03E-04	-1.93E-05
2.19E+02	3.68E-04	-2.75E-05	1.03E-05
2.19E+02	3.72E-04	7.84E-05	5.23E-05
2.19E+02	3.77E-04	2.16E-04	1.30E-04
2.19E+02	3.60E-04	3.27E-04	1.42E-04
2.19E+02	3.74E-04	4.40E-04	1.87E-04
2.19E+02	4.03E-04	5.75E-04	3.03E-04
2.19E+02	4.56E-04	6.72E-04	3.48E-04
2.19E+02	4.91E-04	7.53E-04	3.91E-04

2.19E+02	4.88E-04	8.32E-04	4.30E-04
2.19E+02	5.21E-04	9.02E-04	4.61E-04
2.19E+02	5.30E-04	9.62E-04	5.08E-04
2.19E+02	4.80E-04	9.61E-04	4.59E-04
2.19E+02	4.43E-04	9.34E-04	4.06E-04
2.19E+02	4.05E-04	8.96E-04	4.10E-04
2.19E+02	3.68E-04	8.20E-04	3.89E-04
2.19E+02	3.24E-04	7.55E-04	4.05E-04
2.19E+02	2.61E-04	7.11E-04	4.36E-04
2.19E+02	2.75E-04	6.86E-04	4.38E-04
2.19E+02	3.19E-04	6.79E-04	4.42E-04
2.19E+02	3.39E-04	6.66E-04	3.84E-04
2.19E+02	4.02E-04	6.63E-04	2.92E-04
2.19E+02	4.93E-04	7.00E-04	2.54E-04
2.19E+02	6.05E-04	7.44E-04	1.99E-04
2.19E+02	6.98E-04	7.68E-04	1.42E-04
2.19E+02	7.34E-04	7.84E-04	1.49E-04
2.19E+02	7.84E-04	7.98E-04	1.48E-04
2.19E+02	8.16E-04	8.17E-04	1.47E-04
2.19E+02	7.80E-04	8.02E-04	1.15E-04
2.19E+02	7.35E-04	7.58E-04	3.80E-05
2.19E+02	6.75E-04	7.36E-04	2.67E-05
2.19E+02	6.07E-04	7.20E-04	9.16E-06
2.19E+02	5.17E-04	7.06E-04	-3.49E-05
2.19E+02	3.78E-04	7.03E-04	-2.86E-05
2.19E+02	3.03E-04	7.06E-04	2.29E-06
2.19E+02	2.77E-04	7.24E-04	1.07E-04
2.19E+02	2.23E-04	7.22E-04	2.15E-04
2.19E+02	1.98E-04	7.03E-04	2.60E-04
2.19E+02	1.96E-04	7.09E-04	3.43E-04
2.19E+02	2.21E-04	7.08E-04	3.74E-04
2.19E+02	2.49E-04	6.80E-04	3.45E-04
2.19E+02	2.07E-04	6.42E-04	3.39E-04
2.19E+02	1.87E-04	6.05E-04	2.95E-04
2.19E+02	1.94E-04	5.84E-04	2.75E-04
2.19E+02	1.54E-04	5.38E-04	2.39E-04
2.19E+02	1.43E-04	4.50E-04	1.55E-04
2.19E+02	1.64E-04	3.95E-04	1.67E-04
2.19E+02	2.16E-04	3.66E-04	1.69E-04
2.19E+02	2.91E-04	3.52E-04	1.06E-04
2.19E+02	3.30E-04	3.88E-04	7.78E-05
2.19E+02	4.05E-04	4.51E-04	5.53E-06
2.19E+02	5.14E-04	5.60E-04	-6.87E-05
2.19E+02	5.77E-04	6.78E-04	-1.13E-04
2.19E+02	6.13E-04	7.70E-04	-1.88E-04
2.19E+02	6.56E-04	9.04E-04	-1.89E-04
2.19E+02	6.91E-04	1.03E-03	-1.83E-04

2.19E+02	7.03E-04	1.13E-03	-2.15E-04
2.19E+02	6.65E-04	1.21E-03	-1.73E-04
2.19E+02	5.95E-04	1.26E-03	-1.25E-04
2.19E+02	5.39E-04	1.30E-03	-4.63E-05
2.19E+02	4.32E-04	1.31E-03	1.68E-05
2.19E+02	2.91E-04	1.26E-03	-2.69E-05
2.19E+02	1.85E-04	1.22E-03	-2.38E-05
2.19E+02	1.08E-04	1.17E-03	2.57E-05
2.19E+02	7.48E-05	1.12E-03	6.05E-05
2.19E+02	3.57E-05	1.09E-03	1.12E-04
2.19E+02	4.12E-05	1.06E-03	1.20E-04
2.19E+02	1.37E-04	1.04E-03	1.13E-04
2.19E+02	2.11E-04	1.03E-03	1.14E-04
2.19E+02	2.69E-04	9.97E-04	4.69E-05
2.19E+02	3.32E-04	9.84E-04	-2.86E-06
2.19E+02	3.80E-04	9.78E-04	-3.99E-05
2.19E+02	4.34E-04	9.65E-04	-1.31E-04
2.19E+02	4.11E-04	9.31E-04	-1.99E-04
2.19E+02	3.55E-04	8.82E-04	-2.44E-04
2.19E+02	3.57E-04	8.65E-04	-2.23E-04
2.19E+02	3.04E-04	8.35E-04	-1.63E-04
2.19E+02	2.15E-04	7.54E-04	-2.06E-04
2.19E+02	1.63E-04	6.82E-04	-2.49E-04
2.19E+02	1.26E-04	6.19E-04	-2.40E-04
2.19E+02	1.11E-04	5.48E-04	-2.46E-04
2.19E+02	6.79E-05	4.85E-04	-2.21E-04
2.19E+02	2.92E-05	4.28E-04	-1.91E-04
2.19E+02	6.58E-05	4.02E-04	-1.56E-04
2.19E+02	1.00E-04	4.13E-04	-6.18E-05
2.19E+02	1.25E-04	4.15E-04	-6.29E-06
2.19E+02	1.91E-04	4.30E-04	6.85E-05
2.19E+02	2.73E-04	4.75E-04	2.04E-04
2.19E+02	3.66E-04	4.97E-04	2.32E-04
2.19E+02	4.36E-04	5.01E-04	2.15E-04
2.19E+02	4.72E-04	5.03E-04	1.99E-04
2.19E+02	5.41E-04	5.21E-04	1.84E-04
2.19E+02	5.86E-04	5.49E-04	2.20E-04
2.19E+02	5.89E-04	5.33E-04	1.78E-04
2.19E+02	6.05E-04	5.05E-04	1.27E-04
2.19E+02	5.95E-04	4.85E-04	1.24E-04
2.19E+02	5.88E-04	4.43E-04	6.31E-05
2.19E+02	5.53E-04	4.08E-04	2.42E-05
2.19E+02	4.51E-04	3.57E-04	-1.51E-05
2.19E+02	3.98E-04	3.18E-04	-5.26E-05
2.19E+02	3.44E-04	3.15E-04	-3.34E-05
2.19E+02	2.59E-04	2.82E-04	-6.01E-05
2.19E+02	2.07E-04	2.66E-04	-6.60E-05

2.19E+02	1.73E-04	2.70E-04	-1.24E-05
2.19E+02	1.79E-04	2.37E-04	-4.10E-05
2.19E+02	1.69E-04	1.96E-04	-9.19E-05
2.19E+02	1.11E-04	1.49E-04	-1.29E-04
2.19E+02	1.09E-04	1.30E-04	-1.90E-04
2.19E+02	1.02E-04	1.51E-04	-1.97E-04
2.19E+02	4.33E-05	1.47E-04	-1.99E-04
2.19E+02	7.82E-06	1.19E-04	-1.71E-04
2.19E+02	-2.99E-05	9.96E-05	-4.18E-05
2.19E+02	-4.62E-05	7.50E-05	6.92E-05
2.19E+02	-8.16E-05	2.59E-05	1.10E-04
2.19E+02	-1.80E-04	-2.73E-05	1.08E-04
2.19E+02	-2.00E-04	-5.44E-05	6.69E-05
2.19E+02	-1.76E-04	-4.25E-05	3.47E-05
2.19E+02	-1.87E-04	-2.69E-05	-3.57E-05
2.19E+02	-1.71E-04	-3.01E-05	-1.51E-04
2.19E+02	-1.52E-04	-1.54E-05	-1.96E-04
2.19E+02	-1.26E-04	-2.80E-05	-2.42E-04
2.19E+02	-1.02E-04	-8.95E-05	-3.00E-04
2.19E+02	-1.32E-04	-1.62E-04	-2.91E-04
2.19E+02	-1.40E-04	-2.36E-04	-2.78E-04
2.19E+02	-1.32E-04	-2.74E-04	-2.42E-04
2.19E+02	-1.74E-04	-3.11E-04	-2.32E-04
2.19E+02	-2.05E-04	-3.52E-04	-2.64E-04
2.19E+02	-1.95E-04	-3.43E-04	-2.17E-04
2.19E+02	-1.57E-04	-3.21E-04	-1.50E-04
2.19E+02	-1.13E-04	-3.07E-04	-1.05E-04
2.19E+02	-9.98E-05	-2.89E-04	-5.34E-05
2.19E+02	-6.71E-05	-2.75E-04	-4.81E-05
2.19E+02	-1.91E-07	-2.54E-04	-7.72E-05
2.19E+02	9.73E-06	-2.45E-04	-1.50E-04
2.19E+02	-7.63E-06	-2.53E-04	-2.71E-04
2.19E+02	-8.58E-06	-2.26E-04	-3.13E-04
2.19E+02	-7.82E-06	-1.81E-04	-3.05E-04
2.19E+02	-9.54E-07	-1.58E-04	-3.26E-04
2.19E+02	-3.32E-05	-1.41E-04	-3.12E-04
2.19E+02	-6.60E-05	-1.35E-04	-3.05E-04
2.19E+02	-6.29E-05	-1.22E-04	-3.07E-04
2.19E+02	-1.01E-04	-1.09E-04	-3.32E-04
2.19E+02	-1.52E-04	-1.30E-04	-4.41E-04
2.19E+02	-1.80E-04	-1.31E-04	-4.93E-04
2.19E+02	-1.95E-04	-1.21E-04	-4.82E-04
2.19E+02	-2.04E-04	-1.35E-04	-4.80E-04
2.19E+02	-2.53E-04	-1.51E-04	-4.30E-04
2.19E+02	-2.95E-04	-1.81E-04	-4.01E-04
2.19E+02	-2.93E-04	-1.97E-04	-3.85E-04
2.19E+02	-3.21E-04	-2.19E-04	-3.56E-04

2.19E+02	-3.53E-04	-2.78E-04	-3.86E-04
2.19E+02	-3.45E-04	-3.05E-04	-3.80E-04
2.19E+02	-3.31E-04	-3.27E-04	-3.69E-04
2.19E+02	-3.02E-04	-3.72E-04	-4.32E-04
2.19E+02	-2.91E-04	-4.06E-04	-4.45E-04
2.19E+02	-2.94E-04	-4.44E-04	-4.13E-04
2.20E+02	-2.53E-04	-4.68E-04	-3.60E-04
2.20E+02	-2.42E-04	-4.92E-04	-3.17E-04
2.20E+02	-2.69E-04	-5.62E-04	-3.63E-04
2.20E+02	-2.80E-04	-6.27E-04	-3.99E-04
2.20E+02	-3.01E-04	-6.69E-04	-3.98E-04
2.20E+02	-3.21E-04	-7.23E-04	-4.33E-04
2.20E+02	-3.79E-04	-7.64E-04	-4.35E-04
2.20E+02	-4.60E-04	-7.96E-04	-3.88E-04
2.20E+02	-4.94E-04	-8.26E-04	-3.16E-04
2.20E+02	-5.36E-04	-8.51E-04	-2.17E-04
2.20E+02	-5.88E-04	-9.11E-04	-1.76E-04
2.20E+02	-6.10E-04	-9.63E-04	-1.36E-04
2.20E+02	-6.16E-04	-9.94E-04	-8.30E-05
2.20E+02	-6.03E-04	-1.04E-03	-1.27E-04
2.20E+02	-6.20E-04	-1.07E-03	-2.07E-04
2.20E+02	-6.48E-04	-1.09E-03	-2.76E-04
2.20E+02	-6.22E-04	-1.06E-03	-3.17E-04
2.20E+02	-6.13E-04	-1.03E-03	-3.10E-04
2.20E+02	-6.22E-04	-1.03E-03	-3.20E-04
2.20E+02	-6.20E-04	-1.03E-03	-3.18E-04
2.20E+02	-6.05E-04	-9.97E-04	-2.53E-04
2.20E+02	-5.43E-04	-9.42E-04	-1.88E-04
2.20E+02	-5.26E-04	-8.74E-04	-1.50E-04
2.20E+02	-5.48E-04	-8.00E-04	-1.40E-04
2.20E+02	-5.07E-04	-7.04E-04	-1.48E-04
2.20E+02	-4.72E-04	-6.00E-04	-1.28E-04
2.20E+02	-4.80E-04	-5.33E-04	-1.52E-04
2.20E+02	-4.77E-04	-4.90E-04	-1.99E-04
2.20E+02	-4.60E-04	-4.31E-04	-1.73E-04
2.20E+02	-4.38E-04	-4.04E-04	-1.76E-04
2.20E+02	-4.48E-04	-4.19E-04	-2.01E-04
2.20E+02	-4.93E-04	-4.34E-04	-1.88E-04
2.20E+02	-5.08E-04	-4.38E-04	-1.67E-04
2.20E+02	-5.17E-04	-4.07E-04	-1.12E-04
2.20E+02	-5.71E-04	-4.01E-04	-1.26E-04
2.20E+02	-6.02E-04	-4.19E-04	-2.01E-04
2.20E+02	-5.82E-04	-4.04E-04	-1.99E-04
2.20E+02	-5.35E-04	-4.10E-04	-2.12E-04
2.20E+02	-5.00E-04	-4.39E-04	-2.63E-04
2.20E+02	-4.98E-04	-4.68E-04	-3.06E-04
2.20E+02	-4.70E-04	-4.99E-04	-3.85E-04

2.20E+02	-4.37E-04	-5.11E-04	-4.17E-04
2.20E+02	-4.70E-04	-5.33E-04	-4.25E-04
2.20E+02	-5.32E-04	-5.72E-04	-4.46E-04
2.20E+02	-5.99E-04	-5.91E-04	-3.82E-04
2.20E+02	-6.72E-04	-6.04E-04	-3.37E-04
2.20E+02	-7.64E-04	-6.24E-04	-3.51E-04
2.20E+02	-8.90E-04	-6.31E-04	-3.45E-04
2.20E+02	-9.78E-04	-5.97E-04	-3.32E-04
2.20E+02	-1.03E-03	-5.23E-04	-2.66E-04
2.20E+02	-1.11E-03	-4.67E-04	-2.09E-04
2.20E+02	-1.15E-03	-4.42E-04	-1.74E-04
2.20E+02	-1.17E-03	-4.11E-04	-5.87E-05
2.20E+02	-1.16E-03	-3.99E-04	9.54E-06
2.20E+02	-1.15E-03	-4.07E-04	1.72E-06
2.20E+02	-1.15E-03	-4.07E-04	1.49E-05
2.20E+02	-1.09E-03	-3.94E-04	-8.20E-06
2.20E+02	-9.95E-04	-3.39E-04	-3.93E-05
2.20E+02	-9.25E-04	-2.81E-04	-8.30E-05
2.20E+02	-8.71E-04	-2.51E-04	-1.84E-04
2.20E+02	-8.28E-04	-1.92E-04	-2.14E-04
2.20E+02	-7.94E-04	-1.34E-04	-2.10E-04
2.20E+02	-7.90E-04	-1.05E-04	-2.51E-04
2.20E+02	-8.58E-04	-6.94E-05	-2.56E-04
2.20E+02	-9.34E-04	-4.18E-05	-2.57E-04
2.20E+02	-9.70E-04	5.15E-06	-2.33E-04
2.20E+02	-1.02E-03	4.73E-05	-2.09E-04
2.20E+02	-1.08E-03	5.72E-05	-2.47E-04
2.20E+02	-1.07E-03	1.04E-04	-2.11E-04
2.20E+02	-1.02E-03	1.47E-04	-1.52E-04
2.20E+02	-9.58E-04	1.76E-04	-1.37E-04
2.20E+02	-9.14E-04	2.24E-04	-1.06E-04
2.20E+02	-8.63E-04	2.48E-04	-1.22E-04
2.20E+02	-7.86E-04	2.66E-04	-1.35E-04
2.20E+02	-7.55E-04	2.66E-04	-1.34E-04
2.20E+02	-7.68E-04	2.18E-04	-1.90E-04
2.20E+02	-7.78E-04	1.70E-04	-1.93E-04
2.20E+02	-7.80E-04	1.23E-04	-1.69E-04
2.20E+02	-7.72E-04	4.62E-05	-1.96E-04
2.20E+02	-8.06E-04	-2.08E-05	-1.80E-04
2.20E+02	-8.46E-04	-5.91E-05	-1.55E-04
2.20E+02	-8.42E-04	-6.26E-05	-1.35E-04
2.20E+02	-8.63E-04	-4.44E-05	-1.23E-04
2.20E+02	-9.06E-04	-5.49E-05	-1.88E-04
2.20E+02	-9.31E-04	-6.20E-05	-2.28E-04
2.20E+02	-9.45E-04	-5.28E-05	-2.21E-04
2.20E+02	-9.52E-04	-6.20E-05	-2.40E-04
2.20E+02	-9.93E-04	-6.69E-05	-1.94E-04

2.20E+02	-1.03E-03	-4.37E-05	-1.14E-04
2.20E+02	-1.02E-03	-1.14E-06	-6.71E-05
2.20E+02	-1.01E-03	3.83E-05	2.67E-05
2.20E+02	-1.04E-03	6.28E-05	8.51E-05
2.20E+02	-1.05E-03	8.95E-05	9.96E-05
2.20E+02	-1.04E-03	1.03E-04	1.59E-04
2.20E+02	-1.04E-03	6.54E-05	1.44E-04
2.20E+02	-1.08E-03	1.49E-05	1.03E-04
2.20E+02	-1.11E-03	-1.70E-05	1.13E-04
2.20E+02	-1.13E-03	-1.77E-05	1.22E-04
2.20E+02	-1.14E-03	1.49E-05	1.55E-04
2.20E+02	-1.16E-03	2.17E-05	8.98E-05
2.20E+02	-1.16E-03	2.37E-05	-5.78E-05
2.20E+02	-1.10E-03	4.41E-05	-1.23E-04
2.20E+02	-1.03E-03	5.66E-05	-1.79E-04
2.20E+02	-9.88E-04	8.77E-05	-2.25E-04
2.20E+02	-9.67E-04	1.22E-04	-2.21E-04
2.20E+02	-9.15E-04	1.68E-04	-1.97E-04
2.20E+02	-8.69E-04	2.32E-04	-1.52E-04
2.20E+02	-8.75E-04	2.54E-04	-1.55E-04
2.20E+02	-8.80E-04	2.80E-04	-1.61E-04
2.20E+02	-8.76E-04	3.30E-04	-1.26E-04
2.20E+02	-8.72E-04	3.52E-04	-1.52E-04
2.20E+02	-8.84E-04	3.77E-04	-1.89E-04
2.20E+02	-9.24E-04	3.94E-04	-1.62E-04
2.20E+02	-9.24E-04	4.09E-04	-1.11E-04
2.20E+02	-9.03E-04	4.29E-04	-4.98E-05
2.20E+02	-9.22E-04	3.97E-04	-3.20E-05
2.20E+02	-9.19E-04	3.75E-04	-4.23E-05
2.20E+02	-8.83E-04	3.91E-04	-2.44E-05
2.20E+02	-8.30E-04	4.23E-04	-3.11E-05
2.20E+02	-7.94E-04	4.87E-04	-5.36E-05
2.20E+02	-7.92E-04	5.46E-04	-7.53E-05
2.20E+02	-7.26E-04	6.17E-04	-9.40E-05
2.20E+02	-6.48E-04	6.86E-04	-5.93E-05
2.20E+02	-5.95E-04	7.12E-04	-2.37E-05
2.20E+02	-5.16E-04	7.36E-04	-2.10E-06
2.20E+02	-4.39E-04	7.61E-04	5.61E-05
2.20E+02	-3.29E-04	7.65E-04	6.35E-05
2.20E+02	-2.22E-04	7.47E-04	8.39E-06
2.20E+02	-1.60E-04	7.24E-04	-2.21E-05
2.20E+02	-5.89E-05	7.31E-04	-4.23E-05
2.20E+02	3.78E-05	7.73E-04	-2.77E-05
2.20E+02	6.89E-05	7.89E-04	-3.40E-05
2.20E+02	8.77E-05	7.75E-04	-9.78E-05
2.20E+02	1.05E-04	7.72E-04	-7.97E-05
2.20E+02	1.31E-04	7.61E-04	-4.33E-05

2.20E+02	1.34E-04	7.42E-04	-3.74E-05
2.20E+02	9.00E-05	7.34E-04	1.45E-05
2.20E+02	8.72E-05	7.47E-04	5.40E-05
2.20E+02	1.01E-04	8.01E-04	1.17E-04
2.20E+02	9.08E-05	8.65E-04	1.69E-04
2.20E+02	8.13E-05	8.96E-04	1.16E-04
2.20E+02	7.29E-05	9.36E-04	9.90E-05
2.20E+02	8.85E-05	9.80E-04	8.60E-05
2.20E+02	1.00E-04	9.81E-04	1.49E-05
2.20E+02	6.75E-05	9.69E-04	2.73E-05
2.20E+02	5.44E-05	9.62E-04	8.93E-05
2.20E+02	8.49E-05	9.60E-04	1.71E-04
2.20E+02	8.28E-05	9.33E-04	2.39E-04
2.20E+02	8.05E-05	8.73E-04	2.20E-04
2.20E+02	1.25E-04	8.30E-04	2.20E-04
2.20E+02	1.87E-04	8.00E-04	2.08E-04
2.20E+02	2.58E-04	7.65E-04	1.28E-04
2.20E+02	2.90E-04	7.38E-04	8.30E-05
2.20E+02	3.25E-04	7.17E-04	4.20E-05
2.20E+02	4.04E-04	7.07E-04	3.38E-05
2.20E+02	4.31E-04	6.83E-04	5.99E-05
2.20E+02	4.26E-04	6.29E-04	1.83E-05
2.20E+02	4.20E-04	5.79E-04	1.34E-06
2.20E+02	4.02E-04	5.48E-04	-1.16E-05
2.20E+02	4.05E-04	5.13E-04	-9.82E-05
2.20E+02	3.53E-04	4.75E-04	-1.38E-04
2.20E+02	2.68E-04	4.63E-04	-1.27E-04
2.20E+02	2.28E-04	4.72E-04	-6.58E-05
2.20E+02	1.27E-04	4.70E-04	3.26E-05
2.20E+02	-1.30E-05	4.41E-04	6.22E-05
2.20E+02	-1.19E-04	4.21E-04	1.32E-04
2.20E+02	-2.14E-04	4.27E-04	2.49E-04
2.20E+02	-2.85E-04	4.39E-04	2.99E-04
2.20E+02	-3.73E-04	4.74E-04	3.50E-04
2.20E+02	-4.46E-04	5.23E-04	3.85E-04
2.20E+02	-4.40E-04	5.88E-04	4.08E-04
2.20E+02	-4.29E-04	6.50E-04	4.59E-04
2.20E+02	-4.24E-04	6.43E-04	4.49E-04
2.20E+02	-4.08E-04	6.23E-04	4.52E-04
2.20E+02	-3.84E-04	6.12E-04	4.71E-04
2.20E+02	-3.39E-04	5.58E-04	3.51E-04
2.20E+02	-3.33E-04	5.17E-04	1.94E-04
2.20E+02	-3.30E-04	5.20E-04	7.17E-05
2.20E+02	-2.85E-04	5.45E-04	-3.19E-05
2.20E+02	-2.82E-04	5.88E-04	-7.93E-05
2.20E+02	-3.06E-04	5.99E-04	-1.80E-04
2.20E+02	-3.20E-04	5.93E-04	-2.76E-04

2.20E+02	-3.21E-04	6.00E-04	-2.82E-04
2.20E+02	-3.05E-04	5.74E-04	-3.08E-04
2.20E+02	-3.12E-04	5.49E-04	-3.13E-04
2.20E+02	-3.19E-04	5.57E-04	-2.92E-04
2.20E+02	-2.70E-04	5.99E-04	-2.70E-04
2.20E+02	-2.16E-04	6.79E-04	-2.06E-04
2.20E+02	-1.89E-04	7.34E-04	-1.98E-04
2.20E+02	-1.66E-04	7.88E-04	-1.98E-04
2.20E+02	-1.40E-04	8.71E-04	-1.26E-04
2.20E+02	-1.06E-04	9.14E-04	-1.25E-04
2.20E+02	-1.12E-04	9.35E-04	-1.70E-04
2.20E+02	-1.53E-04	9.60E-04	-2.01E-04
2.20E+02	-1.41E-04	9.92E-04	-2.31E-04
2.20E+02	-1.26E-04	1.05E-03	-2.03E-04
2.20E+02	-1.34E-04	1.06E-03	-1.83E-04
2.20E+02	-9.78E-05	1.04E-03	-1.49E-04
2.20E+02	-4.67E-05	1.06E-03	-4.65E-05
2.20E+02	2.52E-05	1.05E-03	-3.89E-05
2.21E+02	9.98E-05	1.03E-03	-9.80E-05
2.21E+02	1.45E-04	1.02E-03	-1.23E-04
2.21E+02	2.48E-04	1.03E-03	-1.59E-04
2.21E+02	3.66E-04	1.07E-03	-1.77E-04
2.21E+02	4.38E-04	1.11E-03	-2.21E-04
2.21E+02	5.24E-04	1.14E-03	-2.77E-04
2.21E+02	6.18E-04	1.18E-03	-2.42E-04
2.21E+02	7.10E-04	1.19E-03	-2.45E-04
2.21E+02	7.74E-04	1.13E-03	-2.90E-04
2.21E+02	7.81E-04	1.07E-03	-2.79E-04
2.21E+02	7.95E-04	1.02E-03	-2.60E-04
2.21E+02	8.06E-04	9.90E-04	-2.20E-04
2.21E+02	7.70E-04	9.48E-04	-2.10E-04
2.21E+02	7.33E-04	8.90E-04	-2.38E-04
2.21E+02	7.10E-04	8.63E-04	-1.67E-04
2.21E+02	7.02E-04	8.35E-04	-8.64E-05
2.21E+02	6.93E-04	8.01E-04	-4.56E-05
2.21E+02	6.64E-04	7.79E-04	3.76E-05
2.21E+02	6.76E-04	7.58E-04	1.04E-04
2.21E+02	7.26E-04	7.48E-04	1.79E-04
2.21E+02	7.40E-04	7.08E-04	2.49E-04
2.21E+02	7.34E-04	6.44E-04	2.37E-04
2.21E+02	7.26E-04	6.23E-04	2.16E-04
2.21E+02	7.15E-04	6.09E-04	1.41E-04
2.21E+02	6.88E-04	5.82E-04	1.53E-06
2.21E+02	5.95E-04	5.82E-04	-9.56E-05
2.21E+02	5.08E-04	6.10E-04	-1.73E-04
2.21E+02	4.36E-04	6.69E-04	-2.23E-04
2.21E+02	3.10E-04	7.34E-04	-2.68E-04

2.21E+02	2.06E-04	7.67E-04	-3.52E-04
2.21E+02	1.26E-04	7.99E-04	-3.72E-04
2.21E+02	6.60E-05	8.46E-04	-3.47E-04
2.21E+02	3.47E-05	8.75E-04	-3.44E-04
2.21E+02	-2.25E-05	9.00E-04	-2.88E-04
2.21E+02	-3.97E-05	9.28E-04	-2.16E-04
2.21E+02	-9.35E-06	9.51E-04	-1.29E-04
2.21E+02	-1.89E-05	9.67E-04	-2.99E-05
2.21E+02	-4.54E-05	9.48E-04	-6.68E-06
2.21E+02	-6.77E-05	9.44E-04	4.92E-05
2.21E+02	-9.12E-05	9.64E-04	1.18E-04
2.21E+02	-1.04E-04	9.60E-04	1.12E-04
2.21E+02	-1.49E-04	9.65E-04	1.37E-04
2.21E+02	-1.79E-04	9.87E-04	1.85E-04
2.21E+02	-1.52E-04	1.02E-03	2.52E-04
2.21E+02	-1.50E-04	1.05E-03	3.09E-04
2.21E+02	-1.33E-04	1.04E-03	2.92E-04
2.21E+02	-8.62E-05	1.01E-03	2.97E-04
2.21E+02	-4.12E-05	9.92E-04	3.08E-04
2.21E+02	1.60E-05	9.45E-04	2.56E-04
2.21E+02	1.77E-05	8.89E-04	2.06E-04
2.21E+02	3.62E-06	8.46E-04	1.60E-04
2.21E+02	2.33E-05	8.11E-04	1.11E-04
2.21E+02	-1.91E-07	7.79E-04	7.90E-05
2.21E+02	-4.56E-05	7.23E-04	1.26E-05
2.21E+02	-6.35E-05	6.73E-04	-2.19E-05
2.21E+02	-5.30E-05	6.54E-04	-7.63E-07
2.21E+02	-1.30E-05	6.15E-04	-5.68E-05
2.21E+02	9.92E-06	5.59E-04	-1.13E-04
2.21E+02	2.84E-05	5.27E-04	-1.16E-04
2.21E+02	9.99E-05	5.21E-04	-1.14E-04
2.21E+02	1.48E-04	5.22E-04	-9.75E-05
2.21E+02	1.52E-04	4.92E-04	-1.48E-04
2.21E+02	1.74E-04	4.64E-04	-1.75E-04
2.21E+02	1.87E-04	4.62E-04	-1.06E-04
2.21E+02	1.91E-04	4.25E-04	-7.10E-05
2.21E+02	1.67E-04	3.81E-04	-1.28E-05
2.21E+02	1.24E-04	3.65E-04	8.39E-05
2.21E+02	1.31E-04	3.51E-04	1.59E-04
2.21E+02	1.38E-04	3.60E-04	2.28E-04
2.21E+02	1.16E-04	3.50E-04	2.21E-04
2.21E+02	1.13E-04	3.34E-04	1.74E-04
2.21E+02	1.25E-04	3.62E-04	1.68E-04
2.21E+02	1.55E-04	3.68E-04	1.18E-04
2.21E+02	1.59E-04	3.58E-04	6.79E-05
2.21E+02	1.23E-04	3.67E-04	7.69E-05
2.21E+02	1.18E-04	3.90E-04	8.68E-05

2.21E+02	1.01E-04	4.30E-04	1.07E-04
2.21E+02	4.10E-05	4.40E-04	7.40E-05
2.21E+02	3.62E-06	4.43E-04	2.86E-05
2.21E+02	-1.85E-05	4.78E-04	6.75E-05
2.21E+02	-2.00E-05	5.09E-04	7.82E-05
2.21E+02	-3.87E-05	5.31E-04	6.18E-05
2.21E+02	-9.56E-05	5.58E-04	7.80E-05
2.21E+02	-9.14E-05	5.88E-04	8.95E-05
2.21E+02	-6.33E-05	6.22E-04	1.19E-04
2.21E+02	-7.29E-05	6.29E-04	1.03E-04
2.21E+02	-7.44E-05	6.24E-04	6.43E-05
2.21E+02	-6.12E-05	6.48E-04	1.14E-04
2.21E+02	-2.86E-05	6.49E-04	1.32E-04
2.21E+02	9.54E-07	6.36E-04	1.32E-04
2.21E+02	1.18E-05	6.24E-04	1.77E-04
2.21E+02	5.93E-05	5.98E-04	2.01E-04
2.21E+02	1.17E-04	5.74E-04	2.53E-04
2.21E+02	1.35E-04	5.03E-04	2.39E-04
2.21E+02	1.59E-04	4.03E-04	1.30E-04
2.21E+02	2.04E-04	3.28E-04	8.51E-05
2.21E+02	2.61E-04	2.59E-04	6.18E-05
2.21E+02	2.90E-04	1.95E-04	4.77E-05
2.21E+02	2.71E-04	1.47E-04	5.87E-05
2.21E+02	2.82E-04	1.14E-04	3.81E-05
2.21E+02	3.13E-04	8.91E-05	4.22E-05
2.21E+02	3.08E-04	4.48E-05	3.36E-05
2.21E+02	3.01E-04	-3.62E-05	-2.19E-05
2.21E+02	3.09E-04	-9.69E-05	-9.54E-07
2.21E+02	3.45E-04	-1.43E-04	4.04E-05
2.21E+02	3.72E-04	-2.19E-04	5.17E-05
2.21E+02	3.52E-04	-2.92E-04	9.06E-05
2.21E+02	3.60E-04	-3.54E-04	1.22E-04
2.21E+02	3.86E-04	-3.89E-04	1.68E-04
2.21E+02	3.66E-04	-4.34E-04	1.68E-04
2.21E+02	3.56E-04	-4.93E-04	1.07E-04
2.21E+02	3.68E-04	-5.02E-04	9.31E-05
2.21E+02	3.88E-04	-4.97E-04	3.22E-05
2.21E+02	4.13E-04	-4.80E-04	-8.47E-05
2.21E+02	3.96E-04	-4.46E-04	-1.56E-04
2.21E+02	3.99E-04	-4.14E-04	-2.21E-04
2.21E+02	4.39E-04	-3.65E-04	-2.45E-04
2.21E+02	4.39E-04	-3.34E-04	-2.30E-04
2.21E+02	4.34E-04	-3.29E-04	-2.32E-04
2.21E+02	4.60E-04	-3.07E-04	-1.63E-04
2.21E+02	5.10E-04	-2.82E-04	-9.31E-05
2.21E+02	5.75E-04	-2.69E-04	-9.40E-05
2.21E+02	6.06E-04	-2.49E-04	-6.10E-05

2.21E+02	6.42E-04	-2.24E-04	-4.90E-05
2.21E+02	7.09E-04	-1.96E-04	-1.45E-05
2.21E+02	7.22E-04	-1.81E-04	6.56E-05
2.21E+02	6.97E-04	-2.19E-04	7.27E-05
2.21E+02	6.69E-04	-2.69E-04	1.26E-04
2.21E+02	6.28E-04	-3.12E-04	2.00E-04
2.21E+02	5.84E-04	-3.66E-04	2.09E-04
2.21E+02	4.96E-04	-4.06E-04	2.36E-04
2.21E+02	4.20E-04	-4.32E-04	2.31E-04
2.21E+02	4.22E-04	-4.28E-04	2.26E-04
2.21E+02	4.12E-04	-4.33E-04	2.08E-04
2.21E+02	3.97E-04	-4.81E-04	1.25E-04
2.21E+02	4.23E-04	-5.19E-04	1.02E-04
2.21E+02	4.68E-04	-5.68E-04	8.03E-05
2.21E+02	5.32E-04	-6.48E-04	3.24E-06
2.21E+02	5.69E-04	-7.43E-04	-4.01E-05
2.21E+02	6.01E-04	-8.35E-04	-7.46E-05
2.21E+02	6.77E-04	-8.87E-04	-8.66E-05
2.21E+02	7.18E-04	-9.29E-04	-7.71E-05
2.21E+02	7.28E-04	-1.00E-03	-1.24E-04
2.21E+02	7.40E-04	-1.06E-03	-1.25E-04
2.21E+02	7.45E-04	-1.09E-03	-5.46E-05
2.21E+02	7.62E-04	-1.11E-03	-2.17E-05
2.21E+02	7.32E-04	-1.12E-03	1.83E-05
2.21E+02	6.84E-04	-1.12E-03	7.57E-05
2.21E+02	6.91E-04	-1.10E-03	1.34E-04
2.21E+02	6.70E-04	-1.09E-03	2.24E-04
2.21E+02	6.30E-04	-1.10E-03	2.72E-04
2.21E+02	6.02E-04	-1.12E-03	2.89E-04
2.21E+02	5.68E-04	-1.16E-03	3.24E-04
2.21E+02	5.70E-04	-1.19E-03	3.01E-04
2.21E+02	5.50E-04	-1.24E-03	2.60E-04
2.21E+02	5.23E-04	-1.26E-03	2.46E-04
2.21E+02	5.62E-04	-1.26E-03	2.48E-04
2.21E+02	5.87E-04	-1.23E-03	2.75E-04
2.21E+02	5.81E-04	-1.21E-03	2.26E-04
2.21E+02	5.95E-04	-1.18E-03	1.62E-04
2.21E+02	6.22E-04	-1.12E-03	1.43E-04
2.21E+02	6.67E-04	-1.06E-03	5.42E-05
2.21E+02	6.80E-04	-9.98E-04	-3.41E-05
2.21E+02	6.56E-04	-9.52E-04	-7.02E-05
2.21E+02	6.77E-04	-9.24E-04	-6.64E-05
2.21E+02	6.97E-04	-8.93E-04	-1.49E-05
2.21E+02	6.68E-04	-8.97E-04	-2.46E-05
2.21E+02	6.39E-04	-9.31E-04	-6.73E-05
2.21E+02	6.18E-04	-9.45E-04	-5.51E-05
2.21E+02	6.16E-04	-9.55E-04	-6.50E-05

2.21E+02	6.09E-04	-9.86E-04	-6.56E-05
2.21E+02	5.63E-04	-1.02E-03	-1.64E-05
2.21E+02	5.58E-04	-1.03E-03	3.03E-05
2.21E+02	5.67E-04	-1.04E-03	1.10E-04
2.21E+02	5.25E-04	-1.08E-03	1.68E-04
2.21E+02	5.02E-04	-1.12E-03	2.00E-04
2.21E+02	4.92E-04	-1.14E-03	2.82E-04
2.21E+02	4.84E-04	-1.15E-03	3.23E-04
2.21E+02	4.67E-04	-1.17E-03	3.21E-04
2.21E+02	4.21E-04	-1.17E-03	3.18E-04
2.21E+02	4.45E-04	-1.15E-03	2.86E-04
2.21E+02	4.83E-04	-1.13E-03	2.92E-04
2.21E+02	4.67E-04	-1.14E-03	2.81E-04
2.21E+02	4.66E-04	-1.18E-03	2.13E-04
2.21E+02	4.63E-04	-1.20E-03	1.98E-04
2.21E+02	4.76E-04	-1.21E-03	1.71E-04
2.21E+02	4.85E-04	-1.25E-03	1.26E-04
2.21E+02	4.40E-04	-1.29E-03	1.23E-04
2.21E+02	4.04E-04	-1.30E-03	1.07E-04
2.21E+02	3.92E-04	-1.28E-03	1.44E-04
2.21E+02	3.49E-04	-1.26E-03	1.84E-04
2.21E+02	3.00E-04	-1.27E-03	1.62E-04
2.21E+02	2.78E-04	-1.26E-03	2.21E-04
2.21E+02	2.87E-04	-1.25E-03	3.18E-04
2.21E+02	3.03E-04	-1.24E-03	3.79E-04
2.21E+02	2.84E-04	-1.25E-03	4.35E-04
2.21E+02	2.90E-04	-1.30E-03	4.73E-04
2.21E+02	3.40E-04	-1.32E-03	5.14E-04
2.21E+02	3.57E-04	-1.36E-03	5.15E-04
2.21E+02	3.53E-04	-1.43E-03	4.80E-04
2.22E+02	3.57E-04	-1.48E-03	4.93E-04
2.22E+02	3.72E-04	-1.52E-03	4.71E-04
2.22E+02	3.89E-04	-1.52E-03	4.16E-04
2.22E+02	3.60E-04	-1.52E-03	4.06E-04
2.22E+02	3.24E-04	-1.51E-03	4.25E-04
2.22E+02	3.23E-04	-1.44E-03	5.16E-04
2.22E+02	2.67E-04	-1.37E-03	5.72E-04
2.22E+02	1.75E-04	-1.33E-03	5.33E-04
2.22E+02	1.18E-04	-1.26E-03	5.50E-04
2.22E+02	8.66E-05	-1.19E-03	5.93E-04
2.22E+02	7.23E-05	-1.14E-03	6.07E-04
2.22E+02	2.88E-05	-1.09E-03	6.30E-04
2.22E+02	2.08E-05	-1.05E-03	6.52E-04
2.22E+02	8.98E-05	-1.02E-03	6.99E-04
2.22E+02	1.24E-04	-9.98E-04	7.47E-04
2.22E+02	1.46E-04	-1.03E-03	7.16E-04
2.22E+02	1.94E-04	-1.05E-03	6.94E-04

2.22E+02	2.54E-04	-1.05E-03	6.96E-04
2.22E+02	3.28E-04	-1.05E-03	6.40E-04
2.22E+02	3.49E-04	-1.04E-03	5.96E-04
2.22E+02	3.61E-04	-1.00E-03	5.43E-04
2.22E+02	4.01E-04	-9.36E-04	4.73E-04
2.22E+02	3.76E-04	-8.85E-04	4.20E-04
2.22E+02	3.11E-04	-8.90E-04	3.31E-04
2.22E+02	2.56E-04	-8.87E-04	3.15E-04
2.22E+02	2.02E-04	-8.68E-04	3.70E-04
2.22E+02	1.46E-04	-8.53E-04	3.71E-04
2.22E+02	4.54E-05	-8.38E-04	3.64E-04
2.22E+02	-5.32E-05	-8.37E-04	3.56E-04
2.22E+02	-8.03E-05	-8.17E-04	3.72E-04
2.22E+02	-1.10E-04	-7.91E-04	4.27E-04
2.22E+02	-1.50E-04	-8.14E-04	4.04E-04
2.22E+02	-1.49E-04	-8.42E-04	3.62E-04
2.22E+02	-1.17E-04	-8.63E-04	3.83E-04
2.22E+02	-6.08E-05	-8.99E-04	3.80E-04
2.22E+02	-2.38E-05	-9.22E-04	3.72E-04
2.22E+02	5.72E-06	-9.33E-04	3.64E-04
2.22E+02	7.13E-05	-9.17E-04	3.58E-04
2.22E+02	1.11E-04	-8.81E-04	3.69E-04
2.22E+02	1.21E-04	-8.88E-04	2.98E-04
2.22E+02	1.44E-04	-9.07E-04	2.29E-04
2.22E+02	1.75E-04	-9.03E-04	2.37E-04
2.22E+02	2.10E-04	-9.07E-04	2.45E-04
2.22E+02	2.00E-04	-9.07E-04	2.74E-04
2.22E+02	1.64E-04	-9.08E-04	2.86E-04
2.22E+02	1.81E-04	-9.06E-04	3.02E-04
2.22E+02	1.95E-04	-8.85E-04	3.72E-04
2.22E+02	1.66E-04	-8.96E-04	3.78E-04
2.22E+02	1.45E-04	-9.13E-04	3.85E-04
2.22E+02	1.33E-04	-9.07E-04	4.43E-04
2.22E+02	1.60E-04	-9.06E-04	4.35E-04
2.22E+02	2.03E-04	-8.88E-04	4.46E-04
2.22E+02	2.14E-04	-8.65E-04	4.84E-04
2.22E+02	2.81E-04	-8.38E-04	4.96E-04
2.22E+02	3.55E-04	-8.03E-04	4.96E-04
2.22E+02	3.85E-04	-8.00E-04	4.12E-04
2.22E+02	4.37E-04	-8.11E-04	3.28E-04
2.22E+02	4.84E-04	-8.10E-04	3.18E-04
2.22E+02	5.40E-04	-8.13E-04	2.86E-04
2.22E+02	5.58E-04	-8.06E-04	2.43E-04
2.22E+02	5.16E-04	-7.81E-04	2.01E-04
2.22E+02	5.23E-04	-7.34E-04	1.42E-04
2.22E+02	5.45E-04	-6.62E-04	1.07E-04
2.22E+02	5.32E-04	-6.11E-04	4.84E-05

2.22E+02	5.31E-04	-5.93E-04	-2.54E-05
2.22E+02	5.41E-04	-5.78E-04	-1.66E-05
2.22E+02	5.67E-04	-5.98E-04	1.32E-05
2.22E+02	5.90E-04	-6.66E-04	4.27E-05
2.22E+02	5.79E-04	-7.43E-04	1.10E-04
2.22E+02	6.11E-04	-8.05E-04	1.79E-04
2.22E+02	6.67E-04	-8.41E-04	2.57E-04
2.22E+02	6.73E-04	-8.89E-04	2.66E-04
2.22E+02	7.11E-04	-9.32E-04	2.04E-04
2.22E+02	7.79E-04	-9.46E-04	1.97E-04
2.22E+02	8.54E-04	-9.60E-04	2.16E-04
2.22E+02	9.29E-04	-9.70E-04	2.37E-04
2.22E+02	9.47E-04	-9.74E-04	2.72E-04
2.22E+02	9.80E-04	-9.62E-04	2.98E-04
2.22E+02	1.02E-03	-9.19E-04	3.40E-04
2.22E+02	9.91E-04	-8.83E-04	3.55E-04
2.22E+02	9.35E-04	-8.51E-04	3.22E-04
2.22E+02	8.74E-04	-7.75E-04	3.54E-04
2.22E+02	8.12E-04	-6.87E-04	3.86E-04
2.22E+02	7.42E-04	-6.29E-04	3.48E-04
2.22E+02	6.40E-04	-5.84E-04	3.41E-04
2.22E+02	5.68E-04	-5.58E-04	3.46E-04
2.22E+02	5.54E-04	-5.35E-04	3.79E-04
2.22E+02	5.28E-04	-5.35E-04	4.15E-04
2.22E+02	5.10E-04	-5.89E-04	3.72E-04
2.22E+02	5.26E-04	-6.13E-04	3.60E-04
2.22E+02	5.50E-04	-6.02E-04	3.36E-04
2.22E+02	5.67E-04	-6.01E-04	2.32E-04
2.22E+02	5.48E-04	-5.85E-04	1.47E-04
2.22E+02	5.44E-04	-5.64E-04	8.49E-05
2.22E+02	5.89E-04	-5.44E-04	6.87E-05
2.22E+02	6.08E-04	-5.51E-04	7.78E-05
2.22E+02	6.03E-04	-6.06E-04	4.06E-05
2.22E+02	6.13E-04	-6.55E-04	2.86E-05
2.22E+02	6.35E-04	-6.96E-04	2.78E-05
2.22E+02	6.52E-04	-7.56E-04	-3.05E-05
2.22E+02	6.36E-04	-8.08E-04	-5.44E-05
2.22E+02	6.22E-04	-8.23E-04	-1.01E-05
2.22E+02	6.39E-04	-7.90E-04	6.26E-05
2.22E+02	6.28E-04	-7.56E-04	1.11E-04
2.22E+02	5.92E-04	-7.66E-04	6.83E-05
2.22E+02	5.62E-04	-7.84E-04	2.54E-05
2.22E+02	5.35E-04	-8.00E-04	1.74E-05
2.22E+02	4.90E-04	-8.37E-04	-2.94E-05
2.22E+02	3.88E-04	-8.80E-04	-8.26E-05
2.22E+02	2.95E-04	-8.97E-04	-1.27E-04
2.22E+02	2.52E-04	-8.89E-04	-1.50E-04

2.22E+02	1.90E-04	-8.66E-04	-1.43E-04
2.22E+02	1.28E-04	-8.39E-04	-1.84E-04
2.22E+02	8.91E-05	-8.01E-04	-2.50E-04
2.22E+02	7.13E-05	-7.26E-04	-3.04E-04
2.22E+02	8.87E-05	-6.45E-04	-3.95E-04
2.22E+02	9.04E-05	-5.74E-04	-4.81E-04
2.22E+02	1.11E-04	-4.91E-04	-5.04E-04
2.22E+02	1.91E-04	-3.88E-04	-4.67E-04
2.22E+02	2.63E-04	-2.88E-04	-4.11E-04
2.22E+02	3.17E-04	-2.26E-04	-4.17E-04
2.22E+02	3.91E-04	-1.69E-04	-4.15E-04
2.22E+02	4.79E-04	-8.95E-05	-3.50E-04
2.22E+02	5.57E-04	-2.48E-05	-3.42E-04
2.22E+02	5.80E-04	2.75E-05	-3.78E-04
2.22E+02	5.60E-04	7.44E-05	-4.19E-04
2.22E+02	5.56E-04	1.28E-04	-4.62E-04
2.22E+02	5.08E-04	1.66E-04	-4.66E-04
2.22E+02	3.98E-04	1.42E-04	-4.89E-04
2.22E+02	3.05E-04	1.19E-04	-4.80E-04
2.22E+02	2.09E-04	1.00E-04	-4.14E-04
2.22E+02	1.30E-04	4.73E-05	-4.13E-04
2.22E+02	7.48E-05	-1.91E-06	-4.10E-04
2.22E+02	1.11E-05	-4.44E-05	-3.73E-04
2.22E+02	2.86E-06	-6.58E-05	-3.52E-04
2.22E+02	8.01E-06	-6.56E-05	-3.14E-04
2.22E+02	-1.43E-05	-8.39E-05	-3.30E-04
2.22E+02	-1.24E-05	-1.11E-04	-3.81E-04
2.22E+02	1.72E-06	-1.26E-04	-3.91E-04
2.22E+02	3.47E-05	-1.45E-04	-4.33E-04
2.22E+02	4.86E-05	-1.71E-04	-4.86E-04
2.22E+02	3.43E-05	-1.78E-04	-5.09E-04
2.22E+02	8.14E-05	-1.45E-04	-5.41E-04
2.22E+02	1.31E-04	-7.86E-05	-5.68E-04
2.22E+02	1.35E-04	-1.11E-05	-6.23E-04
2.22E+02	1.44E-04	5.46E-05	-6.98E-04
2.22E+02	1.55E-04	1.33E-04	-7.10E-04
2.22E+02	1.72E-04	1.85E-04	-7.51E-04
2.22E+02	1.60E-04	1.88E-04	-8.13E-04
2.22E+02	9.69E-05	1.90E-04	-8.07E-04
2.22E+02	4.43E-05	2.01E-04	-7.86E-04
2.22E+02	-6.68E-06	2.38E-04	-7.11E-04
2.22E+02	-9.19E-05	2.91E-04	-6.42E-04
2.22E+02	-1.82E-04	3.15E-04	-6.20E-04
2.22E+02	-2.47E-04	3.70E-04	-5.31E-04
2.22E+02	-3.00E-04	4.39E-04	-4.53E-04
2.22E+02	-3.76E-04	4.75E-04	-4.16E-04
2.22E+02	-4.73E-04	5.09E-04	-3.78E-04

2.22E+02	-5.24E-04	5.26E-04	-3.72E-04
2.22E+02	-5.41E-04	5.21E-04	-3.53E-04
2.22E+02	-5.74E-04	4.90E-04	-3.50E-04
2.22E+02	-5.92E-04	4.25E-04	-4.00E-04
2.22E+02	-5.86E-04	3.73E-04	-4.12E-04
2.22E+02	-5.57E-04	3.28E-04	-4.27E-04
2.22E+02	-5.14E-04	2.75E-04	-4.73E-04
2.22E+02	-5.08E-04	2.28E-04	-5.01E-04
2.22E+02	-4.89E-04	1.89E-04	-5.48E-04
2.22E+02	-4.43E-04	1.86E-04	-5.65E-04
2.22E+02	-4.67E-04	1.64E-04	-6.11E-04
2.22E+02	-5.00E-04	1.06E-04	-7.23E-04
2.22E+02	-4.87E-04	9.52E-05	-7.26E-04
2.22E+02	-4.68E-04	9.44E-05	-6.85E-04
2.22E+02	-4.45E-04	7.92E-05	-6.95E-04
2.22E+02	-4.62E-04	7.48E-05	-6.86E-04
2.22E+02	-4.54E-04	7.06E-05	-6.72E-04
2.22E+02	-3.84E-04	8.68E-05	-6.48E-04
2.22E+02	-3.49E-04	1.05E-04	-6.19E-04
2.22E+02	-3.22E-04	9.98E-05	-6.30E-04
2.22E+02	-2.79E-04	1.25E-04	-5.87E-04
2.22E+02	-2.39E-04	1.80E-04	-5.37E-04
2.22E+02	-1.92E-04	2.15E-04	-5.73E-04
2.22E+02	-1.96E-04	2.50E-04	-5.91E-04
2.22E+02	-2.12E-04	3.04E-04	-5.71E-04
2.22E+02	-1.97E-04	3.84E-04	-5.16E-04
2.22E+02	-2.26E-04	4.59E-04	-4.53E-04
2.22E+02	-2.87E-04	4.84E-04	-4.85E-04
2.22E+02	-3.26E-04	5.01E-04	-5.16E-04
2.22E+02	-3.43E-04	5.15E-04	-5.14E-04
2.22E+02	-3.56E-04	5.01E-04	-5.45E-04
2.22E+02	-3.90E-04	4.87E-04	-5.42E-04
2.22E+02	-4.16E-04	4.74E-04	-5.31E-04
2.22E+02	-4.08E-04	4.61E-04	-5.17E-04
2.22E+02	-4.29E-04	4.29E-04	-4.94E-04
2.22E+02	-4.86E-04	3.50E-04	-5.55E-04
2.22E+02	-5.34E-04	2.61E-04	-5.94E-04
2.22E+02	-5.79E-04	1.75E-04	-5.93E-04
2.22E+02	-6.20E-04	6.54E-05	-6.65E-04
2.22E+02	-6.98E-04	-3.85E-05	-7.21E-04
2.22E+02	-7.93E-04	-9.16E-05	-7.57E-04
2.22E+02	-8.24E-04	-8.96E-05	-7.78E-04
2.23E+02	-8.63E-04	-5.49E-05	-7.47E-04
2.23E+02	-9.13E-04	-2.08E-05	-7.42E-04
2.23E+02	-9.16E-04	2.40E-05	-6.92E-04
2.23E+02	-8.82E-04	1.07E-04	-5.70E-04
2.23E+02	-8.07E-04	1.98E-04	-4.83E-04

2.23E+02	-7.54E-04	2.79E-04	-3.98E-04
2.23E+02	-7.09E-04	3.60E-04	-3.40E-04
2.23E+02	-6.05E-04	4.47E-04	-3.37E-04
2.23E+02	-5.33E-04	5.33E-04	-3.37E-04
2.23E+02	-5.00E-04	6.05E-04	-3.82E-04
2.23E+02	-4.55E-04	6.94E-04	-4.02E-04
2.23E+02	-4.16E-04	8.05E-04	-3.51E-04
2.23E+02	-3.71E-04	8.88E-04	-3.62E-04
2.23E+02	-3.71E-04	9.41E-04	-4.08E-04
2.23E+02	-4.14E-04	9.70E-04	-4.60E-04
2.23E+02	-4.17E-04	9.89E-04	-5.19E-04
2.23E+02	-4.39E-04	9.99E-04	-5.42E-04
2.23E+02	-4.91E-04	9.62E-04	-6.07E-04
2.23E+02	-5.15E-04	8.94E-04	-6.61E-04
2.23E+02	-5.19E-04	8.28E-04	-6.28E-04
2.23E+02	-4.96E-04	7.47E-04	-6.12E-04
2.23E+02	-5.11E-04	6.57E-04	-5.95E-04
2.23E+02	-5.59E-04	5.83E-04	-5.40E-04
2.23E+02	-5.61E-04	5.31E-04	-4.82E-04
2.23E+02	-5.67E-04	5.14E-04	-3.77E-04
2.23E+02	-5.91E-04	4.98E-04	-2.91E-04
2.23E+02	-6.19E-04	4.93E-04	-2.54E-04
2.23E+02	-6.37E-04	5.23E-04	-1.71E-04
2.23E+02	-6.26E-04	5.32E-04	-1.33E-04
2.23E+02	-6.43E-04	5.33E-04	-1.32E-04
2.23E+02	-6.92E-04	5.34E-04	-9.73E-05
2.23E+02	-6.96E-04	5.46E-04	-7.27E-05
2.23E+02	-6.96E-04	5.89E-04	2.10E-06
2.23E+02	-7.43E-04	5.78E-04	4.22E-05
2.23E+02	-7.92E-04	5.32E-04	2.40E-05
2.23E+02	-8.25E-04	5.12E-04	7.38E-05
2.23E+02	-8.41E-04	4.84E-04	8.91E-05
2.23E+02	-8.75E-04	4.60E-04	5.47E-05
2.23E+02	-9.27E-04	4.50E-04	4.18E-05
2.23E+02	-9.20E-04	4.54E-04	2.29E-06
2.23E+02	-8.82E-04	4.88E-04	2.10E-06
2.23E+02	-8.55E-04	4.99E-04	6.29E-06
2.23E+02	-8.37E-04	4.76E-04	-4.02E-05
2.23E+02	-8.09E-04	4.78E-04	-8.96E-06
2.23E+02	-7.45E-04	4.73E-04	2.16E-05
2.23E+02	-6.99E-04	4.55E-04	3.62E-06
2.23E+02	-7.06E-04	4.57E-04	2.46E-05
2.23E+02	-6.88E-04	4.81E-04	4.33E-05
2.23E+02	-6.57E-04	5.54E-04	9.12E-05
2.23E+02	-6.76E-04	6.11E-04	1.19E-04
2.23E+02	-6.90E-04	6.35E-04	8.20E-05
2.23E+02	-6.85E-04	6.88E-04	1.19E-04

2.23E+02	-6.68E-04	7.24E-04	1.72E-04
2.23E+02	-6.50E-04	7.40E-04	1.64E-04
2.23E+02	-6.79E-04	7.59E-04	1.56E-04
2.23E+02	-6.80E-04	7.78E-04	1.08E-04
2.23E+02	-6.38E-04	8.17E-04	6.69E-05
2.23E+02	-6.40E-04	8.34E-04	5.32E-05
2.23E+02	-6.48E-04	8.00E-04	6.48E-06
2.23E+02	-6.51E-04	7.61E-04	4.02E-05
2.23E+02	-6.65E-04	7.19E-04	1.01E-04
2.23E+02	-6.85E-04	6.44E-04	1.05E-04
2.23E+02	-7.53E-04	5.78E-04	1.55E-04
2.23E+02	-8.18E-04	5.45E-04	2.22E-04
2.23E+02	-8.50E-04	5.63E-04	3.05E-04
2.23E+02	-9.26E-04	6.12E-04	3.57E-04
2.23E+02	-9.97E-04	6.44E-04	3.11E-04
2.23E+02	-1.04E-03	7.07E-04	3.11E-04
2.23E+02	-1.07E-03	7.91E-04	3.38E-04
2.23E+02	-1.08E-03	8.55E-04	3.24E-04
2.23E+02	-1.11E-03	9.28E-04	3.61E-04
2.23E+02	-1.13E-03	9.97E-04	4.24E-04
2.23E+02	-1.09E-03	1.08E-03	4.83E-04
2.23E+02	-1.10E-03	1.14E-03	5.23E-04
2.23E+02	-1.12E-03	1.13E-03	4.71E-04
2.23E+02	-1.15E-03	1.14E-03	4.29E-04
2.23E+02	-1.17E-03	1.13E-03	4.35E-04
2.23E+02	-1.16E-03	1.09E-03	4.04E-04
2.23E+02	-1.18E-03	1.05E-03	4.14E-04
2.23E+02	-1.20E-03	1.04E-03	4.56E-04
2.23E+02	-1.16E-03	1.04E-03	5.12E-04
2.23E+02	-1.16E-03	1.02E-03	5.87E-04
2.23E+02	-1.18E-03	9.69E-04	5.65E-04
2.23E+02	-1.17E-03	9.22E-04	5.42E-04
2.23E+02	-1.16E-03	8.86E-04	5.33E-04
2.23E+02	-1.14E-03	8.53E-04	4.74E-04
2.23E+02	-1.15E-03	8.48E-04	4.56E-04
2.23E+02	-1.16E-03	8.33E-04	4.14E-04
2.23E+02	-1.12E-03	8.25E-04	3.79E-04
2.23E+02	-1.11E-03	8.34E-04	4.13E-04
2.23E+02	-1.13E-03	8.02E-04	3.93E-04
2.23E+02	-1.16E-03	7.91E-04	3.89E-04
2.23E+02	-1.20E-03	8.29E-04	4.44E-04
2.23E+02	-1.22E-03	8.56E-04	4.37E-04
2.23E+02	-1.28E-03	8.75E-04	4.28E-04
2.23E+02	-1.36E-03	8.82E-04	4.61E-04
2.23E+02	-1.38E-03	8.95E-04	5.09E-04
2.23E+02	-1.41E-03	9.08E-04	5.77E-04
2.23E+02	-1.45E-03	8.64E-04	5.60E-04

2.23E+02	-1.44E-03	8.01E-04	4.99E-04
2.23E+02	-1.39E-03	7.55E-04	4.95E-04
2.23E+02	-1.31E-03	7.06E-04	4.66E-04
2.23E+02	-1.25E-03	6.59E-04	4.29E-04
2.23E+02	-1.23E-03	6.29E-04	4.22E-04
2.23E+02	-1.16E-03	6.44E-04	4.33E-04
2.23E+02	-1.11E-03	6.94E-04	4.69E-04
2.23E+02	-1.12E-03	7.19E-04	4.38E-04
2.23E+02	-1.14E-03	7.28E-04	3.84E-04
2.23E+02	-1.16E-03	7.47E-04	3.93E-04
2.23E+02	-1.16E-03	7.34E-04	3.40E-04
2.23E+02	-1.18E-03	6.93E-04	2.87E-04
2.23E+02	-1.22E-03	6.63E-04	3.14E-04
2.23E+02	-1.19E-03	6.64E-04	3.60E-04
2.23E+02	-1.14E-03	6.88E-04	4.47E-04
2.23E+02	-1.11E-03	6.86E-04	4.56E-04
2.23E+02	-1.06E-03	6.81E-04	3.94E-04
2.23E+02	-9.90E-04	7.28E-04	3.89E-04
2.23E+02	-9.00E-04	7.88E-04	3.44E-04
2.23E+02	-8.22E-04	8.40E-04	2.98E-04
2.23E+02	-8.00E-04	9.08E-04	3.14E-04
2.23E+02	-7.39E-04	9.64E-04	3.19E-04
2.23E+02	-6.70E-04	9.93E-04	3.48E-04
2.23E+02	-6.83E-04	9.74E-04	3.34E-04
2.23E+02	-7.04E-04	9.16E-04	2.45E-04
2.23E+02	-7.09E-04	8.80E-04	1.77E-04
2.23E+02	-7.00E-04	8.36E-04	4.90E-05
2.23E+02	-6.83E-04	7.83E-04	-9.37E-05
2.23E+02	-7.00E-04	7.53E-04	-1.40E-04
2.23E+02	-6.83E-04	7.46E-04	-1.52E-04
2.23E+02	-6.32E-04	7.72E-04	-9.86E-05
2.23E+02	-6.37E-04	7.49E-04	-6.71E-05
2.23E+02	-6.34E-04	6.81E-04	-8.53E-05
2.23E+02	-6.05E-04	6.51E-04	3.81E-06
2.23E+02	-5.90E-04	6.07E-04	7.15E-05
2.23E+02	-5.87E-04	5.61E-04	6.45E-05
2.23E+02	-6.35E-04	5.51E-04	7.71E-05
2.23E+02	-6.76E-04	5.50E-04	3.85E-05
2.23E+02	-6.87E-04	5.89E-04	-1.34E-06
2.23E+02	-7.35E-04	6.26E-04	-2.57E-05
2.23E+02	-7.78E-04	6.34E-04	-7.50E-05
2.23E+02	-7.93E-04	6.79E-04	-3.17E-05
2.23E+02	-7.88E-04	6.99E-04	1.68E-05
2.23E+02	-7.62E-04	6.71E-04	-1.79E-05
2.23E+02	-7.65E-04	6.55E-04	-2.50E-05
2.23E+02	-7.47E-04	6.48E-04	-3.36E-05
2.23E+02	-6.73E-04	6.71E-04	-4.25E-05

2.23E+02	-6.34E-04	7.04E-04	-7.38E-05
2.23E+02	-5.74E-04	7.18E-04	-1.63E-04
2.23E+02	-4.71E-04	7.42E-04	-1.73E-04
2.23E+02	-3.77E-04	7.60E-04	-1.40E-04
2.23E+02	-2.81E-04	7.66E-04	-1.33E-04
2.23E+02	-2.53E-04	7.76E-04	-1.05E-04
2.23E+02	-2.56E-04	7.75E-04	-1.05E-04
2.23E+02	-2.43E-04	7.82E-04	-1.07E-04
2.23E+02	-2.97E-04	7.72E-04	-1.04E-04
2.23E+02	-3.81E-04	7.11E-04	-1.55E-04
2.23E+02	-4.53E-04	6.64E-04	-1.22E-04
2.23E+02	-5.10E-04	6.11E-04	-2.23E-05
2.23E+02	-5.29E-04	4.99E-04	1.05E-05
2.23E+02	-5.66E-04	3.80E-04	6.85E-05
2.23E+02	-5.87E-04	2.59E-04	1.06E-04
2.23E+02	-5.41E-04	1.66E-04	1.06E-04
2.23E+02	-5.14E-04	1.05E-04	1.13E-04
2.23E+02	-5.02E-04	1.70E-05	1.66E-05
2.23E+02	-4.58E-04	-4.27E-05	-7.34E-05
2.23E+02	-4.12E-04	-7.04E-05	-9.65E-05
2.23E+02	-3.61E-04	-1.06E-04	-1.57E-04
2.23E+02	-3.39E-04	-1.33E-04	-1.64E-04
2.23E+02	-3.26E-04	-1.70E-04	-1.44E-04
2.23E+02	-2.49E-04	-2.03E-04	-1.53E-04
2.23E+02	-1.77E-04	-2.31E-04	-1.33E-04
2.23E+02	-1.24E-04	-2.65E-04	-1.71E-04
2.23E+02	-4.77E-05	-2.70E-04	-2.07E-04
2.23E+02	5.04E-05	-2.40E-04	-1.92E-04
2.23E+02	1.51E-04	-2.19E-04	-2.85E-04
2.23E+02	2.20E-04	-1.78E-04	-3.61E-04
2.23E+02	2.87E-04	-1.03E-04	-3.56E-04
2.23E+02	3.68E-04	-2.37E-05	-3.62E-04
2.23E+02	4.12E-04	7.65E-05	-3.35E-04
2.23E+02	4.17E-04	1.46E-04	-3.85E-04
2.23E+02	4.17E-04	1.90E-04	-4.46E-04
2.23E+02	3.92E-04	2.49E-04	-4.04E-04
2.23E+02	3.51E-04	2.86E-04	-3.89E-04
2.23E+02	2.76E-04	3.17E-04	-3.38E-04
2.23E+02	1.62E-04	3.49E-04	-2.45E-04
2.23E+02	9.88E-05	3.78E-04	-1.96E-04
2.23E+02	5.36E-05	4.27E-04	-1.42E-04
2.23E+02	-9.16E-06	4.48E-04	-1.53E-04
2.23E+02	-3.55E-05	4.65E-04	-1.89E-04
2.23E+02	-2.16E-05	4.93E-04	-1.84E-04
2.23E+02	3.36E-05	4.71E-04	-2.67E-04
2.23E+02	7.71E-05	4.11E-04	-3.73E-04
2.23E+02	8.79E-05	3.33E-04	-4.13E-04

2.23E+02	1.37E-04	2.57E-04	-4.18E-04
2.23E+02	1.70E-04	2.00E-04	-3.43E-04
2.23E+02	1.43E-04	1.20E-04	-2.98E-04
2.23E+02	1.24E-04	4.67E-05	-2.81E-04
2.23E+02	1.19E-04	2.31E-05	-1.88E-04
2.23E+02	1.45E-04	2.19E-05	-1.25E-04
2.23E+02	1.53E-04	2.54E-05	-1.24E-04
2.24E+02	1.25E-04	2.29E-05	-1.45E-04
2.24E+02	1.62E-04	1.45E-05	-1.89E-04
2.24E+02	2.01E-04	2.67E-06	-2.20E-04
2.24E+02	1.95E-04	-4.63E-05	-2.89E-04
2.24E+02	2.02E-04	-1.20E-04	-3.67E-04
2.24E+02	2.13E-04	-1.60E-04	-3.19E-04
2.24E+02	2.32E-04	-2.00E-04	-2.69E-04
2.24E+02	2.42E-04	-2.51E-04	-2.57E-04
2.24E+02	2.00E-04	-2.71E-04	-1.95E-04
2.24E+02	1.74E-04	-2.55E-04	-1.37E-04
2.24E+02	1.62E-04	-1.92E-04	-5.17E-05
2.24E+02	1.02E-04	-1.24E-04	1.34E-06
2.24E+02	5.57E-05	-7.15E-05	-5.34E-06
2.24E+02	3.72E-05	1.74E-05	6.48E-05
2.24E+02	3.51E-05	9.63E-05	1.09E-04
2.24E+02	3.36E-05	1.41E-04	6.29E-05
2.24E+02	-8.96E-06	1.92E-04	1.30E-05
2.24E+02	-9.92E-06	2.45E-04	-4.98E-05
2.24E+02	2.96E-05	3.19E-04	-7.78E-05
2.24E+02	3.22E-05	3.84E-04	-9.77E-05
2.24E+02	4.69E-05	4.08E-04	-1.56E-04
2.24E+02	8.18E-05	4.36E-04	-1.42E-04
2.24E+02	1.33E-04	4.46E-04	-1.13E-04
2.24E+02	1.93E-04	4.18E-04	-1.24E-04
2.24E+02	2.10E-04	4.09E-04	-6.41E-05
2.24E+02	2.41E-04	4.29E-04	5.53E-06
2.24E+02	2.92E-04	4.81E-04	4.79E-05
2.24E+02	2.85E-04	5.31E-04	5.59E-05
2.24E+02	2.58E-04	5.34E-04	-1.35E-05
2.24E+02	2.36E-04	5.48E-04	-2.88E-05
2.24E+02	2.04E-04	5.66E-04	-3.24E-06
2.24E+02	1.70E-04	5.56E-04	-1.81E-05
2.24E+02	9.65E-05	5.59E-04	-3.24E-06
2.24E+02	4.73E-05	5.74E-04	3.81E-06
2.24E+02	5.95E-05	6.04E-04	1.47E-05
2.24E+02	4.94E-05	6.37E-04	4.56E-05
2.24E+02	4.39E-05	6.48E-04	3.32E-05
2.24E+02	7.42E-05	6.83E-04	7.44E-05
2.24E+02	1.31E-04	7.26E-04	1.36E-04
2.24E+02	2.20E-04	7.35E-04	1.10E-04

2.24E+02	2.78E-04	7.37E-04	1.04E-04
2.24E+02	3.23E-04	7.34E-04	1.14E-04
2.24E+02	3.98E-04	7.44E-04	1.16E-04
2.24E+02	4.11E-04	7.33E-04	1.17E-04
2.24E+02	3.90E-04	6.64E-04	2.56E-05
2.24E+02	3.81E-04	6.04E-04	-5.76E-05
2.24E+02	3.58E-04	5.43E-04	-8.64E-05
2.24E+02	3.55E-04	4.66E-04	-1.67E-04
2.24E+02	3.15E-04	3.91E-04	-2.20E-04
2.24E+02	2.74E-04	3.25E-04	-2.30E-04
2.24E+02	3.20E-04	2.92E-04	-2.16E-04
2.24E+02	3.41E-04	2.51E-04	-1.73E-04
2.24E+02	3.44E-04	1.73E-04	-1.80E-04
2.24E+02	3.77E-04	1.14E-04	-1.48E-04
2.24E+02	4.14E-04	8.64E-05	-5.61E-05
2.24E+02	4.77E-04	2.92E-05	-3.11E-05
2.24E+02	4.97E-04	-3.72E-05	7.06E-06
2.24E+02	4.92E-04	-8.18E-05	8.45E-05
2.24E+02	5.40E-04	-1.12E-04	1.67E-04
2.24E+02	5.71E-04	-1.22E-04	2.73E-04
2.24E+02	5.86E-04	-1.50E-04	2.93E-04
2.24E+02	6.36E-04	-1.75E-04	2.77E-04
2.24E+02	7.09E-04	-1.72E-04	2.96E-04
2.24E+02	8.10E-04	-1.78E-04	2.50E-04
2.24E+02	8.96E-04	-1.87E-04	2.03E-04
2.24E+02	9.66E-04	-1.96E-04	1.73E-04
2.24E+02	1.09E-03	-1.91E-04	1.42E-04
2.24E+02	1.19E-03	-2.01E-04	1.34E-04
2.24E+02	1.21E-03	-2.72E-04	5.72E-05
2.24E+02	1.24E-03	-3.42E-04	-1.95E-05
2.24E+02	1.25E-03	-3.89E-04	-3.30E-05
2.24E+02	1.25E-03	-4.37E-04	-9.33E-05
2.24E+02	1.23E-03	-4.64E-04	-1.45E-04
2.24E+02	1.17E-03	-4.46E-04	-1.41E-04
2.24E+02	1.15E-03	-3.68E-04	-1.05E-04
2.24E+02	1.15E-03	-2.54E-04	-2.17E-05
2.24E+02	1.11E-03	-1.59E-04	8.20E-06
2.24E+02	1.11E-03	-7.06E-05	2.42E-05
2.24E+02	1.12E-03	4.37E-05	1.30E-04
2.24E+02	1.15E-03	1.38E-04	1.91E-04
2.24E+02	1.18E-03	2.15E-04	2.00E-04
2.24E+02	1.16E-03	3.07E-04	2.09E-04
2.24E+02	1.20E-03	3.98E-04	1.84E-04
2.24E+02	1.25E-03	4.84E-04	1.85E-04
2.24E+02	1.25E-03	5.37E-04	1.73E-04
2.24E+02	1.27E-03	5.59E-04	1.48E-04
2.24E+02	1.32E-03	5.90E-04	1.98E-04

2.24E+02	1.38E-03	5.88E-04	2.03E-04
2.24E+02	1.42E-03	5.42E-04	1.39E-04
2.24E+02	1.41E-03	5.00E-04	8.95E-05
2.24E+02	1.43E-03	4.81E-04	3.99E-05
2.24E+02	1.45E-03	4.83E-04	2.92E-05
2.24E+02	1.42E-03	4.60E-04	-1.14E-06
2.24E+02	1.38E-03	3.91E-04	-5.74E-05
2.24E+02	1.34E-03	3.22E-04	-3.07E-05
2.24E+02	1.27E-03	2.35E-04	-1.81E-05
2.24E+02	1.18E-03	1.17E-04	-4.90E-05
2.24E+02	1.06E-03	1.47E-05	-3.76E-05
2.24E+02	9.74E-04	-6.89E-05	-7.25E-06
2.24E+02	9.43E-04	-1.13E-04	4.48E-05
2.24E+02	8.99E-04	-1.46E-04	8.41E-05
2.24E+02	8.70E-04	-1.96E-04	8.49E-05
2.24E+02	8.68E-04	-2.14E-04	1.28E-04
2.24E+02	8.93E-04	-2.41E-04	1.58E-04
2.24E+02	9.22E-04	-2.96E-04	1.33E-04
2.24E+02	9.16E-04	-3.39E-04	1.39E-04
2.24E+02	9.43E-04	-3.61E-04	1.69E-04
2.24E+02	9.82E-04	-3.53E-04	1.96E-04
2.24E+02	9.73E-04	-3.38E-04	1.92E-04
2.24E+02	9.74E-04	-3.29E-04	1.34E-04
2.24E+02	9.74E-04	-3.11E-04	1.09E-04
2.24E+02	9.78E-04	-2.95E-04	1.15E-04
2.24E+02	9.78E-04	-2.91E-04	9.44E-05
2.24E+02	9.27E-04	-2.85E-04	8.45E-05
2.24E+02	8.99E-04	-2.76E-04	6.56E-05
2.24E+02	9.06E-04	-2.47E-04	4.63E-05
2.24E+02	8.88E-04	-2.13E-04	3.47E-05
2.24E+02	8.68E-04	-2.25E-04	-1.39E-05
2.24E+02	8.56E-04	-2.28E-04	-5.72E-07
2.24E+02	8.57E-04	-2.32E-04	4.65E-05
2.24E+02	8.63E-04	-2.86E-04	4.29E-05
2.24E+02	8.19E-04	-3.44E-04	5.02E-05
2.24E+02	7.85E-04	-3.87E-04	6.85E-05
2.24E+02	7.97E-04	-3.90E-04	1.28E-04
2.24E+02	7.76E-04	-3.85E-04	1.98E-04
2.24E+02	7.67E-04	-4.07E-04	2.10E-04
2.24E+02	7.96E-04	-4.19E-04	2.42E-04
2.24E+02	8.25E-04	-4.33E-04	2.85E-04
2.24E+02	8.78E-04	-4.59E-04	2.99E-04
2.24E+02	8.92E-04	-4.97E-04	3.22E-04
2.24E+02	8.90E-04	-5.41E-04	3.07E-04
2.24E+02	9.36E-04	-5.64E-04	2.54E-04
2.24E+02	9.43E-04	-5.77E-04	1.99E-04
2.24E+02	9.19E-04	-6.02E-04	1.05E-04

2.24E+02	9.03E-04	-6.09E-04	5.97E-05
2.24E+02	8.70E-04	-5.98E-04	6.94E-05
2.24E+02	8.24E-04	-6.09E-04	2.98E-05
2.24E+02	7.14E-04	-6.34E-04	1.47E-05
2.24E+02	5.67E-04	-6.49E-04	2.25E-05
2.24E+02	4.61E-04	-6.39E-04	3.68E-05
2.24E+02	3.33E-04	-6.22E-04	7.02E-05
2.24E+02	1.79E-04	-6.32E-04	1.89E-05
2.24E+02	7.40E-05	-6.42E-04	-2.84E-05
2.24E+02	2.08E-05	-6.22E-04	1.77E-05
2.24E+02	9.54E-06	-6.11E-04	7.23E-05
2.24E+02	5.72E-06	-6.10E-04	1.56E-04
2.24E+02	2.71E-05	-6.02E-04	2.24E-04
2.24E+02	1.07E-04	-6.00E-04	2.24E-04
2.24E+02	2.00E-04	-5.70E-04	2.30E-04
2.24E+02	2.90E-04	-5.48E-04	1.91E-04
2.24E+02	3.72E-04	-5.37E-04	1.31E-04
2.24E+02	4.60E-04	-5.07E-04	1.13E-04
2.24E+02	5.56E-04	-5.08E-04	7.65E-05
2.24E+02	5.90E-04	-5.43E-04	6.89E-05
2.24E+02	5.80E-04	-5.92E-04	9.23E-05
2.24E+02	5.97E-04	-6.40E-04	1.17E-04
2.24E+02	5.73E-04	-6.81E-04	1.40E-04
2.24E+02	4.93E-04	-7.53E-04	7.76E-05
2.24E+02	4.17E-04	-8.06E-04	2.00E-05
2.24E+02	3.54E-04	-8.02E-04	6.39E-05
2.24E+02	3.11E-04	-7.87E-04	1.05E-04
2.24E+02	2.35E-04	-7.68E-04	1.50E-04
2.24E+02	1.16E-04	-7.51E-04	1.90E-04
2.24E+02	5.59E-05	-7.29E-04	1.97E-04
2.24E+02	2.84E-05	-6.83E-04	2.57E-04
2.24E+02	-3.13E-05	-6.68E-04	2.65E-04
2.24E+02	-6.75E-05	-6.67E-04	2.30E-04
2.24E+02	-7.13E-05	-6.30E-04	2.64E-04
2.24E+02	-4.60E-05	-5.81E-04	2.43E-04
2.24E+02	-2.50E-05	-5.22E-04	2.08E-04
2.24E+02	-3.89E-05	-4.54E-04	2.06E-04
2.24E+02	8.77E-06	-3.70E-04	1.88E-04
2.24E+02	6.20E-05	-2.83E-04	1.91E-04
2.24E+02	6.41E-05	-2.47E-04	1.34E-04
2.24E+02	8.72E-05	-2.34E-04	4.23E-05
2.24E+02	1.20E-04	-1.99E-04	2.14E-05
2.24E+02	1.65E-04	-1.66E-04	1.26E-05
2.24E+02	1.71E-04	-1.50E-04	3.07E-05
2.24E+02	1.20E-04	-1.34E-04	9.77E-05
2.24E+02	9.44E-05	-9.82E-05	1.53E-04
2.24E+02	6.22E-05	-6.01E-05	2.00E-04

2.24E+02	-2.14E-05	-6.39E-05	2.11E-04
2.24E+02	-1.20E-04	-9.61E-05	1.92E-04
2.24E+02	-2.02E-04	-1.13E-04	2.56E-04
2.24E+02	-2.53E-04	-1.28E-04	3.34E-04
2.24E+02	-2.98E-04	-1.75E-04	3.72E-04
2.24E+02	-3.49E-04	-2.43E-04	4.63E-04
2.24E+02	-3.46E-04	-2.91E-04	5.49E-04
2.24E+02	-2.90E-04	-3.30E-04	6.07E-04
2.24E+02	-2.53E-04	-4.07E-04	5.87E-04
2.24E+02	-2.10E-04	-4.97E-04	4.65E-04
2.24E+02	-1.38E-04	-5.55E-04	4.01E-04
2.24E+02	-5.82E-05	-5.89E-04	3.58E-04
2.24E+02	-4.77E-06	-6.17E-04	3.23E-04
2.24E+02	-9.54E-06	-6.37E-04	3.31E-04
2.24E+02	-9.16E-06	-6.55E-04	2.99E-04
2.24E+02	-2.67E-06	-6.53E-04	2.97E-04
2.24E+02	-5.49E-05	-6.58E-04	3.01E-04
2.24E+02	-1.18E-04	-6.79E-04	2.62E-04
2.24E+02	-1.57E-04	-6.51E-04	2.60E-04
2.25E+02	-1.66E-04	-6.04E-04	2.39E-04
2.25E+02	-1.54E-04	-5.65E-04	1.97E-04
2.25E+02	-1.71E-04	-5.17E-04	2.12E-04
2.25E+02	-1.63E-04	-4.70E-04	2.40E-04
2.25E+02	-1.01E-04	-4.15E-04	2.89E-04
2.25E+02	-7.82E-05	-3.78E-04	3.48E-04
2.25E+02	-5.80E-05	-3.85E-04	3.63E-04
2.25E+02	-8.39E-06	-3.95E-04	4.22E-04
2.25E+02	4.86E-05	-3.93E-04	5.09E-04
2.25E+02	9.88E-05	-4.14E-04	5.14E-04
2.25E+02	8.93E-05	-4.46E-04	4.95E-04
2.25E+02	9.84E-05	-4.72E-04	4.66E-04
2.25E+02	1.63E-04	-4.90E-04	4.30E-04
2.25E+02	1.93E-04	-5.12E-04	3.93E-04
2.25E+02	2.19E-04	-5.72E-04	3.01E-04
2.25E+02	2.64E-04	-6.11E-04	2.78E-04
2.25E+02	3.15E-04	-6.37E-04	2.82E-04
2.25E+02	3.75E-04	-6.90E-04	2.12E-04
2.25E+02	3.70E-04	-7.26E-04	1.71E-04
2.25E+02	3.38E-04	-7.51E-04	1.16E-04
2.25E+02	3.37E-04	-7.43E-04	7.55E-05
2.25E+02	2.79E-04	-7.10E-04	8.45E-05
2.25E+02	1.95E-04	-6.98E-04	6.62E-05
2.25E+02	1.50E-04	-6.58E-04	1.21E-04
2.25E+02	1.27E-04	-5.98E-04	2.25E-04
2.25E+02	1.23E-04	-5.52E-04	2.78E-04
2.25E+02	1.10E-04	-4.94E-04	3.41E-04
2.25E+02	1.11E-04	-4.34E-04	3.71E-04

2.25E+02	1.80E-04	-3.64E-04	3.88E-04
2.25E+02	2.59E-04	-2.87E-04	4.34E-04
2.25E+02	3.14E-04	-2.56E-04	4.12E-04
2.25E+02	3.82E-04	-2.42E-04	4.01E-04
2.25E+02	4.59E-04	-2.15E-04	4.46E-04
2.25E+02	5.40E-04	-2.02E-04	4.43E-04
2.25E+02	5.73E-04	-1.93E-04	4.44E-04
2.25E+02	5.65E-04	-1.75E-04	4.42E-04
2.25E+02	5.74E-04	-1.30E-04	4.17E-04
2.25E+02	5.15E-04	-6.31E-05	3.79E-04
2.25E+02	4.00E-04	-1.35E-05	2.50E-04
2.25E+02	2.86E-04	2.69E-05	1.43E-04
2.25E+02	1.56E-04	6.98E-05	1.38E-04
2.25E+02	5.04E-05	8.32E-05	1.35E-04
2.25E+02	-7.08E-05	6.05E-05	1.67E-04
2.25E+02	-1.87E-04	9.92E-06	1.97E-04
2.25E+02	-2.02E-04	-4.01E-05	1.95E-04
2.25E+02	-1.90E-04	-8.16E-05	2.28E-04
2.25E+02	-1.67E-04	-1.54E-04	2.16E-04
2.25E+02	-8.43E-05	-2.21E-04	1.99E-04
2.25E+02	2.94E-05	-2.56E-04	2.52E-04
2.25E+02	1.81E-04	-3.05E-04	2.47E-04
2.25E+02	3.03E-04	-3.58E-04	2.15E-04
2.25E+02	3.68E-04	-4.08E-04	2.23E-04
2.25E+02	4.68E-04	-4.29E-04	2.38E-04
2.25E+02	5.48E-04	-4.20E-04	2.67E-04
2.25E+02	5.60E-04	-4.64E-04	2.16E-04
2.25E+02	5.73E-04	-5.34E-04	1.25E-04
2.25E+02	5.81E-04	-5.70E-04	1.21E-04
2.25E+02	5.98E-04	-5.78E-04	1.18E-04
2.25E+02	6.06E-04	-5.66E-04	1.25E-04
2.25E+02	5.68E-04	-5.53E-04	1.51E-04
2.25E+02	5.75E-04	-5.06E-04	1.47E-04
2.25E+02	5.95E-04	-4.09E-04	1.87E-04
2.25E+02	5.68E-04	-3.02E-04	2.06E-04
2.25E+02	5.65E-04	-1.96E-04	2.13E-04
2.25E+02	5.76E-04	-9.21E-05	3.16E-04
2.25E+02	5.91E-04	-3.43E-05	3.80E-04
2.25E+02	6.06E-04	-2.46E-05	3.87E-04
2.25E+02	5.76E-04	-8.77E-06	4.21E-04
2.25E+02	5.73E-04	4.04E-05	4.38E-04
2.25E+02	5.92E-04	1.01E-04	4.67E-04
2.25E+02	5.62E-04	1.22E-04	4.64E-04
2.25E+02	5.22E-04	8.49E-05	3.93E-04
2.25E+02	4.98E-04	5.78E-05	3.91E-04
2.25E+02	4.96E-04	5.86E-05	4.20E-04
2.25E+02	4.80E-04	3.51E-05	3.97E-04

2.25E+02	4.18E-04	7.06E-06	3.74E-04
2.25E+02	3.99E-04	-1.13E-05	3.26E-04
2.25E+02	4.20E-04	-3.22E-05	2.67E-04
2.25E+02	4.02E-04	-7.08E-05	1.83E-04
2.25E+02	4.01E-04	-1.26E-04	6.48E-05
2.25E+02	4.33E-04	-1.55E-04	3.30E-05
2.25E+02	4.67E-04	-1.82E-04	1.26E-05
2.25E+02	5.04E-04	-2.16E-04	-5.78E-05
2.25E+02	5.07E-04	-2.31E-04	-9.40E-05
2.25E+02	5.30E-04	-2.19E-04	-9.82E-05
2.25E+02	5.87E-04	-1.59E-04	-5.28E-05
2.25E+02	5.99E-04	-1.09E-04	-1.03E-05
2.25E+02	6.09E-04	-7.86E-05	-2.04E-05
2.25E+02	6.47E-04	-2.98E-05	2.31E-05
2.25E+02	7.10E-04	-6.10E-06	1.04E-04
2.25E+02	7.76E-04	-2.40E-05	1.53E-04
2.25E+02	7.81E-04	-6.62E-05	2.11E-04
2.25E+02	7.89E-04	-1.19E-04	2.37E-04
2.25E+02	8.20E-04	-1.58E-04	2.37E-04
2.25E+02	8.06E-04	-1.77E-04	2.27E-04
2.25E+02	7.61E-04	-2.21E-04	1.27E-04
2.25E+02	7.13E-04	-2.36E-04	4.69E-05
2.25E+02	6.82E-04	-1.95E-04	1.87E-05
2.25E+02	6.38E-04	-1.70E-04	-4.98E-05
2.25E+02	5.41E-04	-1.40E-04	-7.92E-05
2.25E+02	4.58E-04	-8.60E-05	-7.69E-05
2.25E+02	4.07E-04	-1.03E-05	-4.84E-05
2.25E+02	3.32E-04	6.43E-05	-1.95E-05
2.25E+02	2.66E-04	9.90E-05	-6.50E-05
2.25E+02	2.50E-04	1.49E-04	-6.54E-05
2.25E+02	2.80E-04	2.14E-04	-2.96E-05
2.25E+02	3.36E-04	2.52E-04	-4.73E-05
2.25E+02	3.68E-04	2.77E-04	-5.34E-05
2.25E+02	4.12E-04	2.90E-04	-5.61E-05
2.25E+02	4.95E-04	2.94E-04	-4.71E-05
2.25E+02	5.45E-04	2.79E-04	-1.37E-05
2.25E+02	5.37E-04	2.17E-04	-2.08E-05
2.25E+02	5.16E-04	1.66E-04	3.43E-06
2.25E+02	4.95E-04	1.42E-04	6.43E-05
2.25E+02	4.59E-04	8.83E-05	5.05E-05
2.25E+02	3.81E-04	3.55E-05	2.78E-05
2.25E+02	2.91E-04	5.72E-07	2.82E-05
2.25E+02	2.45E-04	-1.81E-05	3.78E-05
2.25E+02	1.88E-04	-2.56E-05	6.98E-05
2.25E+02	1.06E-04	-5.86E-05	3.74E-05
2.25E+02	5.95E-05	-1.01E-04	-8.58E-06
2.25E+02	5.57E-05	-1.31E-04	6.29E-06

2.25E+02	7.23E-05	-1.56E-04	3.24E-06
2.25E+02	4.33E-05	-1.99E-04	-2.10E-05
2.25E+02	5.15E-06	-2.33E-04	-3.03E-05
2.25E+02	3.60E-05	-2.37E-04	-2.12E-05
2.25E+02	3.64E-05	-2.64E-04	-1.70E-05
2.25E+02	-1.20E-05	-3.31E-04	-8.95E-05
2.25E+02	-3.01E-05	-3.96E-04	-1.92E-04
2.25E+02	-4.04E-05	-4.26E-04	-2.40E-04
2.25E+02	-3.24E-05	-4.40E-04	-2.97E-04
2.25E+02	-3.43E-05	-4.52E-04	-3.45E-04
2.25E+02	-6.69E-05	-4.38E-04	-3.47E-04
2.25E+02	-5.32E-05	-3.85E-04	-3.66E-04
2.25E+02	-4.81E-05	-3.06E-04	-3.97E-04
2.25E+02	-7.04E-05	-2.37E-04	-4.67E-04
2.25E+02	-5.19E-05	-1.88E-04	-5.39E-04
2.25E+02	-8.58E-06	-1.34E-04	-5.08E-04
2.25E+02	4.98E-05	-1.06E-04	-4.90E-04
2.25E+02	8.05E-05	-1.05E-04	-4.90E-04
2.25E+02	8.93E-05	-8.95E-05	-4.26E-04
2.25E+02	1.27E-04	-8.30E-05	-3.77E-04
2.25E+02	1.53E-04	-9.17E-05	-3.27E-04
2.25E+02	1.34E-04	-1.31E-04	-2.96E-04
2.25E+02	1.05E-04	-1.98E-04	-2.94E-04
2.25E+02	9.54E-05	-2.42E-04	-2.37E-04
2.25E+02	9.04E-05	-2.90E-04	-2.14E-04
2.25E+02	7.08E-05	-3.51E-04	-2.46E-04
2.25E+02	3.28E-05	-4.12E-04	-2.59E-04
2.25E+02	1.96E-05	-4.80E-04	-2.86E-04
2.25E+02	2.96E-05	-5.40E-04	-3.14E-04
2.25E+02	1.53E-05	-6.14E-04	-3.64E-04
2.25E+02	2.77E-05	-7.05E-04	-4.26E-04
2.25E+02	8.28E-05	-7.71E-04	-4.04E-04
2.25E+02	1.49E-04	-8.33E-04	-3.54E-04
2.25E+02	1.93E-04	-9.15E-04	-3.30E-04
2.25E+02	1.91E-04	-9.88E-04	-3.23E-04
2.25E+02	2.20E-04	-1.03E-03	-3.66E-04
2.25E+02	2.68E-04	-1.03E-03	-4.11E-04
2.25E+02	2.70E-04	-1.03E-03	-4.60E-04
2.25E+02	2.70E-04	-1.05E-03	-5.24E-04
2.25E+02	2.68E-04	-1.05E-03	-5.26E-04
2.25E+02	2.72E-04	-1.03E-03	-5.26E-04
2.25E+02	2.59E-04	-1.01E-03	-5.70E-04
2.25E+02	1.79E-04	-9.85E-04	-5.87E-04
2.25E+02	1.32E-04	-9.39E-04	-5.82E-04
2.25E+02	1.04E-04	-8.67E-04	-5.59E-04
2.25E+02	4.04E-05	-8.11E-04	-5.55E-04
2.25E+02	1.26E-05	-7.83E-04	-6.03E-04

2.25E+02	4.39E-06	-7.47E-04	-6.05E-04
2.25E+02	1.41E-05	-6.84E-04	-5.74E-04
2.25E+02	3.13E-05	-6.29E-04	-5.65E-04
2.25E+02	4.39E-06	-5.68E-04	-5.41E-04
2.25E+02	-3.81E-06	-4.98E-04	-5.48E-04
2.25E+02	1.43E-05	-4.51E-04	-5.87E-04
2.25E+02	-4.96E-06	-4.29E-04	-6.46E-04
2.25E+02	-3.57E-05	-4.51E-04	-7.71E-04
2.25E+02	-4.83E-05	-4.68E-04	-8.44E-04
2.25E+02	-3.85E-05	-4.80E-04	-8.62E-04
2.25E+02	-2.40E-05	-5.37E-04	-9.12E-04
2.25E+02	-5.95E-05	-6.16E-04	-9.15E-04
2.25E+02	-1.03E-04	-6.96E-04	-8.97E-04
2.25E+02	-1.24E-04	-7.56E-04	-8.67E-04
2.25E+02	-1.79E-04	-8.14E-04	-8.31E-04
2.25E+02	-2.56E-04	-8.94E-04	-8.81E-04
2.25E+02	-3.11E-04	-9.40E-04	-9.03E-04
2.25E+02	-3.26E-04	-9.28E-04	-8.79E-04
2.25E+02	-3.31E-04	-8.95E-04	-8.88E-04
2.25E+02	-3.73E-04	-8.35E-04	-8.20E-04
2.25E+02	-4.06E-04	-7.64E-04	-6.98E-04
2.25E+02	-3.95E-04	-7.05E-04	-5.66E-04
2.25E+02	-4.07E-04	-6.63E-04	-4.51E-04
2.25E+02	-4.30E-04	-6.60E-04	-4.41E-04
2.25E+02	-4.23E-04	-6.50E-04	-4.22E-04
2.25E+02	-3.96E-04	-6.08E-04	-3.85E-04
2.25E+02	-3.43E-04	-5.68E-04	-4.30E-04
2.25E+02	-3.18E-04	-5.29E-04	-4.62E-04
2.25E+02	-2.95E-04	-4.76E-04	-4.84E-04
2.25E+02	-2.25E-04	-4.14E-04	-5.02E-04
2.25E+02	-2.03E-04	-3.70E-04	-5.17E-04
2.26E+02	-2.06E-04	-3.64E-04	-6.20E-04
2.26E+02	-1.89E-04	-3.64E-04	-7.13E-04
2.26E+02	-1.73E-04	-3.49E-04	-7.44E-04
2.26E+02	-1.54E-04	-3.46E-04	-8.04E-04
2.26E+02	-1.86E-04	-3.46E-04	-8.62E-04
2.26E+02	-2.25E-04	-3.31E-04	-9.05E-04
2.26E+02	-2.18E-04	-3.01E-04	-9.34E-04
2.26E+02	-2.30E-04	-2.77E-04	-9.22E-04
2.26E+02	-2.63E-04	-2.99E-04	-9.33E-04
2.26E+02	-2.76E-04	-3.22E-04	-9.03E-04
2.26E+02	-2.72E-04	-3.30E-04	-8.08E-04
2.26E+02	-2.70E-04	-3.64E-04	-8.04E-04
2.26E+02	-2.97E-04	-4.12E-04	-8.35E-04
2.26E+02	-3.51E-04	-4.48E-04	-8.18E-04
2.26E+02	-3.75E-04	-4.42E-04	-7.83E-04
2.26E+02	-3.99E-04	-4.17E-04	-7.48E-04

2.26E+02	-4.62E-04	-4.31E-04	-7.79E-04
2.26E+02	-4.96E-04	-4.46E-04	-7.94E-04
2.26E+02	-4.92E-04	-4.32E-04	-7.40E-04
2.26E+02	-4.77E-04	-4.23E-04	-7.25E-04
2.26E+02	-4.73E-04	-4.08E-04	-7.22E-04
2.26E+02	-4.78E-04	-3.76E-04	-7.11E-04
2.26E+02	-4.30E-04	-3.08E-04	-7.08E-04
2.26E+02	-3.69E-04	-2.20E-04	-6.56E-04
2.26E+02	-3.43E-04	-1.61E-04	-6.11E-04
2.26E+02	-3.14E-04	-9.84E-05	-5.76E-04
2.26E+02	-2.84E-04	-2.14E-05	-5.01E-04
2.26E+02	-2.51E-04	3.36E-05	-4.96E-04
2.26E+02	-2.37E-04	7.90E-05	-5.29E-04
2.26E+02	-2.52E-04	1.23E-04	-5.26E-04
2.26E+02	-2.34E-04	1.97E-04	-5.19E-04
2.26E+02	-2.11E-04	2.91E-04	-4.90E-04
2.26E+02	-2.31E-04	3.39E-04	-5.16E-04
2.26E+02	-2.23E-04	3.63E-04	-5.68E-04
2.26E+02	-1.84E-04	3.90E-04	-5.63E-04
2.26E+02	-1.19E-04	3.99E-04	-5.84E-04
2.26E+02	-3.85E-05	3.99E-04	-5.91E-04
2.26E+02	-5.72E-07	3.93E-04	-5.67E-04
2.26E+02	7.02E-05	3.94E-04	-5.51E-04
2.26E+02	1.45E-04	4.07E-04	-4.97E-04
2.26E+02	1.47E-04	3.95E-04	-4.95E-04
2.26E+02	1.37E-04	3.60E-04	-5.53E-04
2.26E+02	1.07E-04	3.44E-04	-5.44E-04
2.26E+02	8.24E-05	3.27E-04	-5.47E-04
2.26E+02	5.30E-05	3.01E-04	-5.62E-04
2.26E+02	-3.11E-05	2.84E-04	-5.14E-04
2.26E+02	-7.76E-05	2.77E-04	-4.50E-04
2.26E+02	-1.07E-04	3.01E-04	-3.31E-04
2.26E+02	-1.86E-04	3.15E-04	-2.30E-04
2.26E+02	-2.55E-04	2.94E-04	-1.92E-04
2.26E+02	-3.08E-04	3.07E-04	-8.77E-05
2.26E+02	-3.48E-04	3.29E-04	-1.89E-05
2.26E+02	-4.06E-04	3.25E-04	-3.05E-05
2.26E+02	-5.03E-04	3.43E-04	-1.91E-07
2.26E+02	-5.52E-04	3.73E-04	1.26E-05
2.26E+02	-5.64E-04	4.07E-04	1.72E-06
2.26E+02	-6.07E-04	4.26E-04	-3.68E-05
2.26E+02	-6.43E-04	3.93E-04	-1.27E-04
2.26E+02	-6.39E-04	3.82E-04	-1.28E-04
2.26E+02	-6.14E-04	3.73E-04	-1.11E-04
2.26E+02	-5.98E-04	3.19E-04	-1.47E-04
2.26E+02	-6.02E-04	2.79E-04	-1.22E-04
2.26E+02	-5.88E-04	2.55E-04	-9.14E-05

2.26E+02	-5.69E-04	2.49E-04	-5.34E-05
2.26E+02	-6.01E-04	2.39E-04	-3.45E-05
2.26E+02	-6.41E-04	2.17E-04	-9.56E-05
2.26E+02	-6.76E-04	2.40E-04	-9.96E-05
2.26E+02	-6.96E-04	2.68E-04	-1.07E-04
2.26E+02	-6.95E-04	2.76E-04	-1.77E-04
2.26E+02	-7.36E-04	2.96E-04	-1.74E-04
2.26E+02	-7.56E-04	3.04E-04	-1.69E-04
2.26E+02	-7.35E-04	3.03E-04	-1.82E-04
2.26E+02	-7.62E-04	3.06E-04	-1.75E-04
2.26E+02	-7.97E-04	2.91E-04	-2.05E-04
2.26E+02	-8.09E-04	2.68E-04	-1.68E-04
2.26E+02	-8.13E-04	2.36E-04	-1.27E-04
2.26E+02	-8.01E-04	1.77E-04	-1.52E-04
2.26E+02	-8.37E-04	1.41E-04	-1.07E-04
2.26E+02	-8.78E-04	1.50E-04	-6.35E-05
2.26E+02	-8.75E-04	1.92E-04	-2.33E-05
2.26E+02	-9.12E-04	2.50E-04	3.49E-05
2.26E+02	-9.59E-04	2.68E-04	1.91E-06
2.26E+02	-9.80E-04	2.76E-04	-4.20E-06
2.26E+02	-9.83E-04	2.96E-04	3.45E-05
2.26E+02	-9.57E-04	3.00E-04	3.36E-05
2.26E+02	-9.58E-04	3.05E-04	5.84E-05
2.26E+02	-9.35E-04	3.06E-04	6.08E-05
2.26E+02	-8.62E-04	3.27E-04	5.55E-05
2.26E+02	-8.11E-04	3.54E-04	8.96E-05
2.26E+02	-7.81E-04	3.44E-04	7.59E-05
2.26E+02	-7.52E-04	3.55E-04	9.73E-05
2.26E+02	-7.06E-04	3.78E-04	1.66E-04
2.26E+02	-6.47E-04	3.67E-04	1.73E-04
2.26E+02	-6.42E-04	3.52E-04	1.95E-04
2.26E+02	-6.68E-04	3.31E-04	2.16E-04
2.26E+02	-6.66E-04	3.28E-04	2.03E-04
2.26E+02	-7.08E-04	3.26E-04	1.92E-04
2.26E+02	-7.87E-04	2.93E-04	1.33E-04
2.26E+02	-8.25E-04	2.74E-04	1.20E-04
2.26E+02	-8.46E-04	2.78E-04	2.06E-04
2.26E+02	-8.48E-04	2.69E-04	2.68E-04
2.26E+02	-8.83E-04	2.46E-04	3.18E-04
2.26E+02	-9.35E-04	2.29E-04	3.79E-04
2.26E+02	-9.13E-04	2.32E-04	4.14E-04
2.26E+02	-8.98E-04	2.40E-04	4.36E-04
2.26E+02	-9.11E-04	2.24E-04	3.88E-04
2.26E+02	-9.05E-04	2.14E-04	3.12E-04
2.26E+02	-8.91E-04	2.41E-04	2.82E-04
2.26E+02	-8.62E-04	2.66E-04	2.18E-04
2.26E+02	-8.80E-04	2.87E-04	1.53E-04

2.26E+02	-9.42E-04	3.15E-04	1.24E-04
2.26E+02	-9.79E-04	3.53E-04	9.96E-05
2.26E+02	-1.05E-03	4.10E-04	8.95E-05
2.26E+02	-1.16E-03	4.39E-04	4.77E-05
2.26E+02	-1.25E-03	4.72E-04	5.28E-05
2.26E+02	-1.30E-03	5.45E-04	1.77E-04
2.26E+02	-1.33E-03	6.18E-04	3.06E-04
2.26E+02	-1.38E-03	6.85E-04	4.32E-04
2.26E+02	-1.41E-03	7.56E-04	5.63E-04
2.26E+02	-1.37E-03	8.12E-04	6.41E-04
2.26E+02	-1.32E-03	8.40E-04	7.08E-04
2.26E+02	-1.29E-03	8.40E-04	7.21E-04
2.26E+02	-1.24E-03	8.11E-04	6.76E-04
2.26E+02	-1.18E-03	7.98E-04	6.62E-04
2.26E+02	-1.11E-03	7.90E-04	6.05E-04
2.26E+02	-1.05E-03	7.66E-04	5.30E-04
2.26E+02	-1.02E-03	7.66E-04	5.03E-04
2.26E+02	-9.72E-04	7.85E-04	5.05E-04
2.26E+02	-9.14E-04	8.19E-04	5.51E-04
2.26E+02	-8.89E-04	8.19E-04	5.39E-04
2.26E+02	-8.59E-04	7.83E-04	5.07E-04
2.26E+02	-8.03E-04	7.74E-04	5.54E-04
2.26E+02	-7.22E-04	7.53E-04	5.81E-04
2.26E+02	-6.63E-04	7.27E-04	5.85E-04
2.26E+02	-6.37E-04	7.04E-04	5.91E-04
2.26E+02	-5.67E-04	6.79E-04	5.79E-04
2.26E+02	-4.80E-04	6.81E-04	6.12E-04
2.26E+02	-4.46E-04	6.63E-04	6.35E-04
2.26E+02	-4.35E-04	6.31E-04	6.25E-04
2.26E+02	-4.27E-04	6.34E-04	6.75E-04
2.26E+02	-4.07E-04	6.51E-04	7.26E-04
2.26E+02	-4.21E-04	6.49E-04	7.41E-04
2.26E+02	-4.92E-04	6.35E-04	7.84E-04
2.26E+02	-5.22E-04	6.55E-04	8.33E-04
2.26E+02	-5.54E-04	6.97E-04	8.68E-04
2.26E+02	-6.27E-04	7.09E-04	8.08E-04
2.26E+02	-6.65E-04	7.02E-04	6.66E-04
2.26E+02	-6.74E-04	7.12E-04	6.04E-04
2.26E+02	-6.62E-04	7.18E-04	5.81E-04
2.26E+02	-6.47E-04	7.14E-04	5.66E-04
2.26E+02	-6.79E-04	7.15E-04	6.00E-04
2.26E+02	-6.80E-04	6.98E-04	6.04E-04
2.26E+02	-6.42E-04	6.99E-04	6.20E-04
2.26E+02	-6.43E-04	7.00E-04	6.47E-04
2.26E+02	-6.43E-04	6.79E-04	6.34E-04
2.26E+02	-6.25E-04	7.09E-04	6.93E-04
2.26E+02	-5.96E-04	7.39E-04	7.40E-04

2.26E+02	-5.65E-04	7.38E-04	7.12E-04
2.26E+02	-5.83E-04	7.55E-04	7.25E-04
2.26E+02	-6.02E-04	7.67E-04	7.25E-04
2.26E+02	-5.80E-04	8.08E-04	7.34E-04
2.26E+02	-5.85E-04	8.43E-04	7.48E-04
2.26E+02	-6.08E-04	8.18E-04	6.72E-04
2.26E+02	-6.21E-04	8.09E-04	6.51E-04
2.26E+02	-6.11E-04	8.12E-04	6.92E-04
2.26E+02	-5.81E-04	8.00E-04	7.35E-04
2.26E+02	-5.96E-04	7.91E-04	8.65E-04
2.26E+02	-5.91E-04	7.76E-04	9.81E-04
2.26E+02	-5.23E-04	7.76E-04	1.04E-03
2.26E+02	-4.96E-04	7.82E-04	1.06E-03
2.26E+02	-4.81E-04	7.56E-04	1.00E-03
2.26E+02	-4.54E-04	7.53E-04	9.73E-04
2.26E+02	-4.27E-04	7.79E-04	9.51E-04
2.26E+02	-4.00E-04	7.79E-04	8.39E-04
2.26E+02	-4.42E-04	7.78E-04	7.60E-04
2.26E+02	-5.06E-04	7.70E-04	6.84E-04
2.26E+02	-5.38E-04	7.74E-04	6.15E-04
2.26E+02	-6.10E-04	7.87E-04	6.05E-04
2.26E+02	-7.02E-04	7.51E-04	5.12E-04
2.26E+02	-7.65E-04	7.30E-04	3.99E-04
2.26E+02	-7.99E-04	7.48E-04	3.62E-04
2.26E+02	-7.98E-04	7.51E-04	3.33E-04
2.26E+02	-8.18E-04	7.51E-04	3.66E-04
2.26E+02	-8.27E-04	7.38E-04	4.12E-04
2.26E+02	-7.67E-04	7.04E-04	4.21E-04
2.26E+02	-7.08E-04	6.62E-04	4.47E-04
2.26E+02	-6.60E-04	5.97E-04	4.27E-04
2.26E+02	-5.86E-04	5.31E-04	4.37E-04
2.26E+02	-5.11E-04	5.11E-04	5.17E-04
2.26E+02	-4.26E-04	5.00E-04	5.24E-04
2.26E+02	-3.72E-04	4.97E-04	5.27E-04
2.26E+02	-3.50E-04	5.27E-04	5.48E-04
2.26E+02	-2.84E-04	5.81E-04	5.38E-04
2.26E+02	-2.52E-04	6.60E-04	5.40E-04
2.26E+02	-2.61E-04	7.02E-04	4.80E-04
2.26E+02	-2.34E-04	7.17E-04	4.09E-04
2.26E+02	-2.16E-04	7.43E-04	4.04E-04
2.26E+02	-1.79E-04	7.48E-04	3.87E-04
2.26E+02	-1.58E-04	7.62E-04	4.09E-04
2.26E+02	-1.97E-04	7.80E-04	4.67E-04
2.27E+02	-1.96E-04	7.93E-04	5.12E-04
2.27E+02	-1.95E-04	8.17E-04	5.73E-04
2.27E+02	-2.36E-04	8.15E-04	5.72E-04
2.27E+02	-2.57E-04	8.03E-04	5.45E-04

2.27E+02	-2.69E-04	8.05E-04	5.68E-04
2.27E+02	-2.68E-04	7.84E-04	5.33E-04
2.27E+02	-2.77E-04	7.51E-04	4.71E-04
2.27E+02	-3.12E-04	7.46E-04	4.53E-04
2.27E+02	-2.95E-04	7.63E-04	4.43E-04
2.27E+02	-2.63E-04	7.91E-04	4.62E-04
2.27E+02	-2.57E-04	7.91E-04	4.39E-04
2.27E+02	-2.15E-04	7.60E-04	4.07E-04
2.27E+02	-1.46E-04	7.48E-04	4.55E-04
2.27E+02	-5.93E-05	7.28E-04	4.51E-04
2.27E+02	1.72E-06	6.93E-04	3.90E-04
2.27E+02	2.33E-05	6.81E-04	3.58E-04
2.27E+02	8.49E-05	6.71E-04	3.12E-04
2.27E+02	1.40E-04	6.72E-04	2.83E-04
2.27E+02	1.64E-04	6.69E-04	2.50E-04
2.27E+02	1.80E-04	6.44E-04	1.73E-04
2.27E+02	1.83E-04	6.57E-04	1.75E-04
2.27E+02	2.08E-04	6.91E-04	1.96E-04
2.27E+02	2.13E-04	7.04E-04	1.59E-04
2.27E+02	1.79E-04	7.28E-04	1.43E-04
2.27E+02	1.83E-04	7.73E-04	1.46E-04
2.27E+02	2.10E-04	8.31E-04	1.75E-04
2.27E+02	2.09E-04	8.65E-04	1.62E-04
2.27E+02	2.18E-04	8.72E-04	9.57E-05
2.27E+02	2.53E-04	8.87E-04	1.13E-04
2.27E+02	2.94E-04	8.93E-04	1.33E-04
2.27E+02	3.12E-04	8.69E-04	1.09E-04
2.27E+02	2.71E-04	8.40E-04	1.11E-04
2.27E+02	2.47E-04	8.25E-04	1.06E-04
2.27E+02	2.45E-04	8.17E-04	1.31E-04
2.27E+02	1.76E-04	7.86E-04	1.52E-04
2.27E+02	9.21E-05	7.21E-04	1.18E-04
2.27E+02	2.04E-05	6.76E-04	1.55E-04
2.27E+02	-5.44E-05	6.43E-04	1.85E-04
2.27E+02	-1.14E-04	5.81E-04	1.34E-04
2.27E+02	-1.94E-04	5.34E-04	1.22E-04
2.27E+02	-2.46E-04	5.12E-04	1.24E-04
2.27E+02	-2.44E-04	5.09E-04	1.41E-04
2.27E+02	-2.63E-04	4.89E-04	1.58E-04
2.27E+02	-2.62E-04	4.23E-04	1.06E-04
2.27E+02	-2.22E-04	3.79E-04	1.09E-04
2.27E+02	-1.64E-04	3.48E-04	1.55E-04
2.27E+02	-9.57E-05	3.01E-04	1.38E-04
2.27E+02	-6.94E-05	2.73E-04	1.38E-04
2.27E+02	-4.01E-05	2.61E-04	1.29E-04
2.27E+02	1.68E-05	2.68E-04	1.20E-04
2.27E+02	2.86E-05	2.84E-04	1.46E-04

2.27E+02	8.77E-06	2.72E-04	1.19E-04
2.27E+02	-1.28E-05	2.65E-04	1.04E-04
2.27E+02	-3.19E-05	2.66E-04	9.69E-05
2.27E+02	-5.11E-05	2.43E-04	2.16E-05
2.27E+02	-1.10E-04	2.27E-04	-2.16E-05
2.27E+02	-1.53E-04	2.33E-04	-4.18E-05
2.27E+02	-1.34E-04	2.70E-04	-2.82E-05
2.27E+02	-1.36E-04	3.20E-04	2.99E-05
2.27E+02	-1.45E-04	3.39E-04	1.28E-05
2.27E+02	-1.27E-04	3.67E-04	7.25E-06
2.27E+02	-1.01E-04	4.07E-04	4.14E-05
2.27E+02	-7.82E-05	4.15E-04	9.73E-06
2.27E+02	-1.03E-04	4.17E-04	-1.64E-05
2.27E+02	-1.33E-04	4.18E-04	-5.38E-05
2.27E+02	-1.21E-04	4.22E-04	-1.17E-04
2.27E+02	-1.24E-04	4.34E-04	-1.40E-04
2.27E+02	-1.57E-04	3.99E-04	-1.75E-04
2.27E+02	-1.65E-04	3.68E-04	-1.34E-04
2.27E+02	-1.37E-04	3.68E-04	-1.91E-07
2.27E+02	-1.08E-04	3.25E-04	6.26E-05
2.27E+02	-1.13E-04	2.70E-04	1.04E-04
2.27E+02	-1.34E-04	2.29E-04	1.29E-04
2.27E+02	-1.18E-04	2.10E-04	1.04E-04
2.27E+02	-1.13E-04	2.17E-04	6.07E-05
2.27E+02	-1.36E-04	2.02E-04	-6.68E-05
2.27E+02	-1.28E-04	1.84E-04	-1.79E-04
2.27E+02	-1.06E-04	1.84E-04	-2.09E-04
2.27E+02	-7.55E-05	1.66E-04	-2.59E-04
2.27E+02	-6.89E-05	1.42E-04	-2.68E-04
2.27E+02	-9.16E-05	1.23E-04	-2.49E-04
2.27E+02	-5.82E-05	1.11E-04	-2.53E-04
2.27E+02	-2.02E-05	1.06E-04	-2.47E-04
2.27E+02	-1.37E-05	5.63E-05	-2.91E-04
2.27E+02	2.08E-05	-8.20E-06	-2.92E-04
2.27E+02	6.24E-05	-3.59E-05	-2.20E-04
2.27E+02	1.19E-04	-6.94E-05	-2.12E-04
2.27E+02	1.60E-04	-1.19E-04	-2.21E-04
2.27E+02	1.61E-04	-1.58E-04	-2.01E-04
2.27E+02	2.03E-04	-1.75E-04	-1.75E-04
2.27E+02	2.32E-04	-1.75E-04	-1.41E-04
2.27E+02	2.15E-04	-1.79E-04	-1.64E-04
2.27E+02	1.96E-04	-1.78E-04	-2.15E-04
2.27E+02	1.68E-04	-1.53E-04	-1.91E-04
2.27E+02	1.46E-04	-1.32E-04	-1.77E-04
2.27E+02	8.98E-05	-1.49E-04	-2.01E-04
2.27E+02	-6.48E-06	-1.79E-04	-1.95E-04
2.27E+02	-5.32E-05	-1.98E-04	-1.87E-04

2.27E+02	-8.47E-05	-2.19E-04	-1.47E-04
2.27E+02	-1.39E-04	-2.54E-04	-1.15E-04
2.27E+02	-1.67E-04	-2.79E-04	-1.28E-04
2.27E+02	-1.69E-04	-2.59E-04	-9.94E-05
2.27E+02	-1.36E-04	-2.32E-04	-1.28E-04
2.27E+02	-9.46E-05	-2.21E-04	-2.23E-04
2.27E+02	-7.50E-05	-2.09E-04	-2.79E-04
2.27E+02	-1.22E-05	-1.88E-04	-3.32E-04
2.27E+02	5.97E-05	-1.62E-04	-3.41E-04
2.27E+02	9.94E-05	-1.66E-04	-3.51E-04
2.27E+02	1.43E-04	-2.01E-04	-3.81E-04
2.27E+02	1.75E-04	-2.37E-04	-3.18E-04
2.27E+02	2.02E-04	-2.91E-04	-2.69E-04
2.27E+02	2.00E-04	-3.61E-04	-2.48E-04
2.27E+02	1.42E-04	-4.29E-04	-1.96E-04
2.27E+02	1.11E-04	-4.89E-04	-1.64E-04
2.27E+02	1.16E-04	-5.33E-04	-1.06E-04
2.27E+02	7.97E-05	-6.03E-04	-8.11E-05
2.27E+02	5.26E-05	-6.90E-04	-1.18E-04
2.27E+02	6.79E-05	-7.44E-04	-1.19E-04
2.27E+02	1.00E-04	-8.03E-04	-1.67E-04
2.27E+02	1.52E-04	-8.56E-04	-2.52E-04
2.27E+02	1.60E-04	-8.93E-04	-3.00E-04
2.27E+02	1.84E-04	-9.05E-04	-3.27E-04
2.27E+02	2.50E-04	-8.58E-04	-2.86E-04
2.27E+02	2.41E-04	-8.32E-04	-2.85E-04
2.27E+02	2.11E-04	-8.33E-04	-3.64E-04
2.27E+02	2.05E-04	-8.07E-04	-3.70E-04
2.27E+02	2.02E-04	-7.80E-04	-3.61E-04
2.27E+02	1.97E-04	-7.65E-04	-3.88E-04
2.27E+02	1.53E-04	-7.45E-04	-4.03E-04
2.27E+02	1.41E-04	-7.20E-04	-4.42E-04
2.27E+02	1.71E-04	-6.76E-04	-4.53E-04
2.27E+02	1.63E-04	-6.48E-04	-4.64E-04
2.27E+02	1.60E-04	-6.63E-04	-5.38E-04
2.27E+02	1.74E-04	-6.60E-04	-5.52E-04
2.27E+02	2.04E-04	-6.52E-04	-5.33E-04
2.27E+02	2.57E-04	-6.71E-04	-5.54E-04
2.27E+02	2.75E-04	-7.00E-04	-5.26E-04
2.27E+02	3.23E-04	-7.14E-04	-4.76E-04
2.27E+02	4.06E-04	-7.07E-04	-4.40E-04
2.27E+02	4.32E-04	-7.18E-04	-4.40E-04
2.27E+02	4.46E-04	-7.46E-04	-5.18E-04
2.27E+02	4.76E-04	-7.51E-04	-5.59E-04
2.27E+02	5.09E-04	-7.37E-04	-5.56E-04
2.27E+02	5.27E-04	-7.35E-04	-5.84E-04
2.27E+02	5.01E-04	-7.35E-04	-5.80E-04

2.27E+02	4.72E-04	-7.26E-04	-5.80E-04
2.27E+02	4.77E-04	-7.07E-04	-5.80E-04
2.27E+02	4.62E-04	-6.87E-04	-5.68E-04
2.27E+02	4.21E-04	-6.97E-04	-6.28E-04
2.27E+02	4.03E-04	-7.02E-04	-6.52E-04
2.27E+02	4.04E-04	-7.01E-04	-6.32E-04
2.27E+02	4.16E-04	-7.33E-04	-6.86E-04
2.27E+02	3.94E-04	-7.78E-04	-7.25E-04
2.27E+02	3.49E-04	-8.16E-04	-7.34E-04
2.27E+02	3.48E-04	-8.28E-04	-7.28E-04
2.27E+02	3.16E-04	-8.25E-04	-7.07E-04
2.27E+02	2.52E-04	-8.41E-04	-7.66E-04
2.27E+02	2.18E-04	-8.35E-04	-8.01E-04
2.27E+02	2.00E-04	-7.95E-04	-7.78E-04
2.27E+02	1.93E-04	-7.72E-04	-8.25E-04
2.27E+02	1.62E-04	-7.54E-04	-8.57E-04
2.27E+02	1.29E-04	-7.27E-04	-8.73E-04
2.27E+02	1.38E-04	-7.01E-04	-9.12E-04
2.27E+02	1.35E-04	-6.79E-04	-9.10E-04
2.27E+02	1.05E-04	-6.94E-04	-9.25E-04
2.27E+02	8.49E-05	-7.08E-04	-8.96E-04
2.27E+02	8.62E-05	-6.98E-04	-7.80E-04
2.27E+02	1.09E-04	-6.98E-04	-6.91E-04
2.27E+02	9.08E-05	-6.95E-04	-5.97E-04
2.27E+02	5.68E-05	-6.83E-04	-5.12E-04
2.27E+02	7.88E-05	-6.55E-04	-4.60E-04
2.27E+02	8.79E-05	-6.11E-04	-4.14E-04
2.27E+02	7.93E-05	-6.03E-04	-4.59E-04
2.27E+02	1.14E-04	-6.10E-04	-5.18E-04
2.27E+02	1.76E-04	-6.08E-04	-5.22E-04
2.27E+02	2.68E-04	-6.20E-04	-5.49E-04
2.27E+02	3.45E-04	-6.20E-04	-5.45E-04
2.27E+02	3.79E-04	-6.33E-04	-5.61E-04
2.27E+02	4.45E-04	-6.43E-04	-6.11E-04
2.27E+02	5.01E-04	-6.17E-04	-6.11E-04
2.27E+02	4.98E-04	-6.28E-04	-6.87E-04
2.27E+02	4.88E-04	-6.44E-04	-7.88E-04
2.27E+02	4.72E-04	-6.38E-04	-7.97E-04
2.27E+02	4.70E-04	-6.51E-04	-8.25E-04
2.27E+02	4.51E-04	-6.84E-04	-8.49E-04
2.27E+02	3.90E-04	-7.28E-04	-8.18E-04
2.27E+02	3.68E-04	-7.58E-04	-7.69E-04
2.27E+02	3.41E-04	-7.69E-04	-6.90E-04
2.27E+02	2.63E-04	-7.99E-04	-6.84E-04
2.27E+02	2.02E-04	-8.39E-04	-7.11E-04
2.27E+02	1.57E-04	-8.54E-04	-6.51E-04
2.27E+02	1.33E-04	-8.58E-04	-5.87E-04

2.27E+02	1.05E-04	-8.67E-04	-5.43E-04
2.27E+02	4.23E-05	-8.74E-04	-5.04E-04
2.27E+02	4.81E-05	-8.83E-04	-4.88E-04
2.27E+02	8.70E-05	-8.96E-04	-4.31E-04
2.27E+02	9.29E-05	-9.28E-04	-4.00E-04
2.27E+02	1.35E-04	-9.80E-04	-4.22E-04
2.27E+02	1.83E-04	-1.00E-03	-3.97E-04
2.27E+02	2.46E-04	-1.00E-03	-4.18E-04
2.28E+02	3.15E-04	-9.88E-04	-4.92E-04
2.28E+02	3.37E-04	-9.50E-04	-5.45E-04
2.28E+02	3.97E-04	-8.86E-04	-6.15E-04
2.28E+02	4.78E-04	-7.93E-04	-6.42E-04
2.28E+02	5.06E-04	-7.24E-04	-6.87E-04
2.28E+02	5.41E-04	-6.96E-04	-7.68E-04
2.28E+02	5.94E-04	-6.69E-04	-7.52E-04
2.28E+02	6.57E-04	-6.56E-04	-7.32E-04
2.28E+02	7.13E-04	-6.60E-04	-7.32E-04
2.28E+02	7.16E-04	-6.63E-04	-7.00E-04
2.28E+02	7.39E-04	-6.53E-04	-6.77E-04
2.28E+02	7.93E-04	-6.16E-04	-6.13E-04
2.28E+02	8.05E-04	-5.86E-04	-5.54E-04
2.28E+02	8.14E-04	-5.95E-04	-5.49E-04
2.28E+02	8.38E-04	-6.10E-04	-4.87E-04
2.28E+02	8.69E-04	-6.34E-04	-4.14E-04
2.28E+02	9.11E-04	-6.90E-04	-3.63E-04
2.28E+02	9.14E-04	-7.64E-04	-2.75E-04
2.28E+02	9.34E-04	-8.31E-04	-1.91E-04
2.28E+02	9.89E-04	-8.47E-04	-9.94E-05
2.28E+02	9.96E-04	-8.66E-04	-6.29E-05
2.28E+02	9.88E-04	-9.11E-04	-1.25E-04
2.28E+02	9.94E-04	-9.10E-04	-1.21E-04
2.28E+02	9.95E-04	-8.95E-04	-8.09E-05
2.28E+02	9.87E-04	-8.90E-04	-8.05E-05
2.28E+02	9.17E-04	-8.82E-04	-5.68E-05
2.28E+02	8.39E-04	-8.77E-04	-5.51E-05
2.28E+02	8.08E-04	-8.49E-04	-5.07E-05
2.28E+02	7.27E-04	-8.30E-04	-5.86E-05
2.28E+02	6.33E-04	-8.17E-04	-1.19E-04
2.28E+02	5.89E-04	-7.51E-04	-9.56E-05
2.28E+02	5.51E-04	-6.86E-04	-5.63E-05
2.28E+02	5.33E-04	-6.55E-04	-8.79E-05
2.28E+02	5.05E-04	-6.26E-04	-9.25E-05
2.28E+02	4.75E-04	-6.04E-04	-7.92E-05
2.28E+02	4.94E-04	-5.68E-04	-3.36E-05
2.28E+02	4.86E-04	-5.41E-04	1.11E-05
2.28E+02	4.59E-04	-5.52E-04	-3.76E-05
2.28E+02	4.71E-04	-5.37E-04	-5.74E-05

2.28E+02	5.06E-04	-5.08E-04	-1.64E-05
2.28E+02	5.55E-04	-4.92E-04	1.30E-05
2.28E+02	5.61E-04	-4.86E-04	6.56E-05
2.28E+02	5.56E-04	-5.07E-04	9.10E-05
2.28E+02	6.03E-04	-5.26E-04	9.80E-05
2.28E+02	6.11E-04	-5.53E-04	1.38E-04
2.28E+02	5.87E-04	-6.17E-04	1.34E-04
2.28E+02	5.77E-04	-6.55E-04	1.39E-04
2.28E+02	5.61E-04	-6.57E-04	1.93E-04
2.28E+02	5.59E-04	-6.70E-04	1.86E-04
2.28E+02	5.24E-04	-6.80E-04	1.72E-04
2.28E+02	4.78E-04	-6.80E-04	2.02E-04
2.28E+02	4.93E-04	-6.49E-04	2.39E-04
2.28E+02	5.14E-04	-5.91E-04	2.81E-04
2.28E+02	5.02E-04	-5.91E-04	2.22E-04
2.28E+02	5.04E-04	-6.03E-04	1.48E-04
2.28E+02	5.50E-04	-5.76E-04	1.85E-04
2.28E+02	6.15E-04	-5.73E-04	2.20E-04
2.28E+02	6.51E-04	-5.81E-04	2.72E-04
2.28E+02	6.67E-04	-5.90E-04	3.41E-04
2.28E+02	7.30E-04	-5.93E-04	3.79E-04
2.28E+02	7.90E-04	-5.66E-04	4.43E-04
2.28E+02	8.08E-04	-5.59E-04	4.69E-04
2.28E+02	8.41E-04	-5.42E-04	4.64E-04
2.28E+02	8.87E-04	-4.80E-04	4.88E-04
2.28E+02	9.46E-04	-4.37E-04	4.23E-04
2.28E+02	9.80E-04	-4.09E-04	3.13E-04
2.28E+02	9.72E-04	-3.89E-04	2.58E-04
2.28E+02	1.00E-03	-3.74E-04	2.32E-04
2.28E+02	1.01E-03	-3.47E-04	2.54E-04
2.28E+02	9.75E-04	-3.61E-04	2.28E-04
2.28E+02	9.53E-04	-4.01E-04	1.76E-04
2.28E+02	9.43E-04	-4.15E-04	2.20E-04
2.28E+02	9.60E-04	-4.31E-04	2.62E-04
2.28E+02	9.54E-04	-4.62E-04	2.98E-04
2.28E+02	8.96E-04	-5.00E-04	3.42E-04
2.28E+02	8.76E-04	-5.38E-04	3.54E-04
2.28E+02	8.65E-04	-5.70E-04	3.96E-04
2.28E+02	8.17E-04	-6.19E-04	4.20E-04
2.28E+02	7.86E-04	-6.78E-04	4.27E-04
2.28E+02	7.68E-04	-7.09E-04	4.93E-04
2.28E+02	7.63E-04	-7.35E-04	5.40E-04
2.28E+02	7.55E-04	-7.63E-04	5.67E-04
2.28E+02	7.14E-04	-7.69E-04	6.16E-04
2.28E+02	7.09E-04	-7.31E-04	6.52E-04
2.28E+02	7.13E-04	-6.50E-04	6.75E-04
2.28E+02	6.69E-04	-5.76E-04	6.40E-04

2.28E+02	6.29E-04	-5.23E-04	5.51E-04
2.28E+02	6.23E-04	-4.57E-04	5.15E-04
2.28E+02	6.44E-04	-3.92E-04	5.08E-04
2.28E+02	6.34E-04	-3.60E-04	4.81E-04
2.28E+02	5.93E-04	-3.34E-04	4.76E-04
2.28E+02	6.09E-04	-2.92E-04	4.78E-04
2.28E+02	6.40E-04	-2.46E-04	4.72E-04
2.28E+02	6.40E-04	-2.06E-04	4.45E-04
2.28E+02	6.43E-04	-1.72E-04	3.91E-04
2.28E+02	6.42E-04	-1.15E-04	4.04E-04
2.28E+02	6.57E-04	-5.82E-05	4.35E-04
2.28E+02	6.70E-04	-3.20E-05	4.40E-04
2.28E+02	6.47E-04	-2.98E-05	4.85E-04
2.28E+02	6.58E-04	-2.35E-05	5.47E-04
2.28E+02	6.97E-04	1.14E-06	6.40E-04
2.28E+02	6.95E-04	-2.29E-06	6.96E-04
2.28E+02	6.92E-04	-2.73E-05	6.68E-04
2.28E+02	7.21E-04	-3.01E-05	6.94E-04
2.28E+02	7.64E-04	-2.94E-05	7.56E-04
2.28E+02	7.97E-04	-4.54E-05	7.87E-04
2.28E+02	7.76E-04	-7.04E-05	8.25E-04
2.28E+02	7.60E-04	-9.80E-05	8.30E-04
2.28E+02	7.82E-04	-1.11E-04	8.22E-04
2.28E+02	7.65E-04	-1.32E-04	8.14E-04
2.28E+02	7.41E-04	-1.81E-04	7.49E-04
2.28E+02	7.59E-04	-1.88E-04	7.48E-04
2.28E+02	7.82E-04	-1.74E-04	7.82E-04
2.28E+02	8.07E-04	-1.81E-04	7.43E-04
2.28E+02	7.99E-04	-1.80E-04	7.26E-04
2.28E+02	7.81E-04	-1.74E-04	7.15E-04
2.28E+02	8.03E-04	-1.46E-04	7.13E-04
2.28E+02	7.92E-04	-1.31E-04	7.10E-04
2.28E+02	7.60E-04	-1.56E-04	6.45E-04
2.28E+02	7.56E-04	-1.66E-04	6.28E-04
2.28E+02	7.55E-04	-1.64E-04	6.65E-04
2.28E+02	7.58E-04	-1.69E-04	6.80E-04
2.28E+02	7.02E-04	-1.78E-04	7.11E-04
2.28E+02	6.35E-04	-1.90E-04	7.38E-04
2.28E+02	6.15E-04	-1.89E-04	7.57E-04
2.28E+02	5.50E-04	-1.83E-04	7.69E-04
2.28E+02	4.77E-04	-1.86E-04	7.20E-04
2.28E+02	4.41E-04	-1.63E-04	6.97E-04
2.28E+02	4.29E-04	-1.04E-04	7.31E-04
2.28E+02	4.49E-04	-4.83E-05	7.36E-04
2.28E+02	4.43E-04	4.77E-06	7.56E-04
2.28E+02	4.28E-04	7.08E-05	7.98E-04
2.28E+02	4.50E-04	1.38E-04	8.34E-04

2.28E+02	4.43E-04	1.95E-04	8.58E-04
2.28E+02	3.85E-04	2.07E-04	7.69E-04
2.28E+02	3.40E-04	2.08E-04	6.51E-04
2.28E+02	3.26E-04	2.47E-04	5.98E-04
2.28E+02	3.04E-04	2.75E-04	5.33E-04
2.28E+02	2.38E-04	2.96E-04	5.03E-04
2.28E+02	1.66E-04	3.21E-04	4.92E-04
2.28E+02	1.46E-04	3.42E-04	4.72E-04
2.28E+02	1.05E-04	3.64E-04	5.01E-04
2.28E+02	2.16E-05	3.51E-04	5.09E-04
2.28E+02	-4.73E-05	3.48E-04	4.99E-04
2.28E+02	-1.01E-04	3.68E-04	5.12E-04
2.28E+02	-1.44E-04	3.81E-04	4.85E-04
2.28E+02	-2.13E-04	4.04E-04	4.70E-04
2.28E+02	-2.90E-04	4.13E-04	4.74E-04
2.28E+02	-3.11E-04	4.47E-04	4.69E-04
2.28E+02	-3.33E-04	5.00E-04	4.97E-04
2.28E+02	-3.77E-04	4.94E-04	4.54E-04
2.28E+02	-3.77E-04	4.92E-04	4.08E-04
2.28E+02	-3.44E-04	5.02E-04	4.38E-04
2.28E+02	-2.94E-04	5.01E-04	4.42E-04
2.28E+02	-2.67E-04	5.17E-04	4.74E-04
2.28E+02	-2.78E-04	5.07E-04	5.06E-04
2.28E+02	-2.63E-04	4.86E-04	5.03E-04
2.28E+02	-2.61E-04	4.68E-04	5.12E-04
2.28E+02	-3.03E-04	4.13E-04	4.53E-04
2.28E+02	-3.25E-04	3.53E-04	3.90E-04
2.28E+02	-3.24E-04	3.10E-04	3.88E-04
2.28E+02	-2.96E-04	2.57E-04	3.38E-04
2.28E+02	-2.66E-04	2.00E-04	2.70E-04
2.28E+02	-2.54E-04	1.65E-04	2.43E-04
2.28E+02	-1.98E-04	1.54E-04	2.31E-04
2.28E+02	-1.60E-04	1.70E-04	2.36E-04
2.28E+02	-1.76E-04	1.82E-04	1.79E-04
2.28E+02	-1.79E-04	2.00E-04	8.98E-05
2.28E+02	-1.71E-04	2.64E-04	9.40E-05
2.28E+02	-1.37E-04	3.26E-04	1.20E-04
2.28E+02	-1.13E-04	3.65E-04	1.40E-04
2.28E+02	-1.30E-04	3.99E-04	1.73E-04
2.28E+02	-1.09E-04	4.14E-04	1.63E-04
2.28E+02	-7.88E-05	4.28E-04	1.67E-04
2.28E+02	-1.07E-04	4.22E-04	1.61E-04
2.28E+02	-1.41E-04	3.95E-04	9.16E-05
2.28E+02	-1.70E-04	4.14E-04	7.53E-05
2.28E+02	-2.04E-04	4.59E-04	6.92E-05
2.28E+02	-2.39E-04	5.13E-04	4.29E-05
2.28E+02	-3.07E-04	5.94E-04	7.36E-05

2.28E+02	-3.54E-04	6.73E-04	7.84E-05
2.28E+02	-3.68E-04	7.48E-04	6.18E-05
2.28E+02	-4.29E-04	7.78E-04	5.72E-07
2.28E+02	-4.74E-04	7.61E-04	-1.22E-04
2.28E+02	-4.71E-04	7.69E-04	-1.59E-04
2.28E+02	-4.57E-04	7.84E-04	-1.88E-04
2.28E+02	-4.41E-04	7.86E-04	-2.54E-04
2.28E+02	-4.84E-04	7.89E-04	-2.85E-04
2.28E+02	-5.07E-04	7.95E-04	-3.15E-04
2.28E+02	-4.56E-04	8.23E-04	-3.05E-04
2.28E+02	-4.55E-04	8.35E-04	-3.09E-04
2.28E+02	-4.64E-04	8.16E-04	-3.78E-04
2.28E+02	-4.38E-04	8.22E-04	-3.94E-04
2.28E+02	-3.95E-04	8.37E-04	-3.78E-04
2.28E+02	-3.19E-04	8.30E-04	-3.78E-04
2.28E+02	-2.74E-04	8.17E-04	-3.40E-04
2.28E+02	-2.29E-04	7.93E-04	-3.03E-04
2.28E+02	-1.63E-04	7.73E-04	-2.55E-04
2.28E+02	-1.48E-04	7.41E-04	-2.15E-04
2.28E+02	-1.49E-04	6.68E-04	-2.76E-04
2.29E+02	-1.35E-04	6.12E-04	-3.22E-04
2.29E+02	-1.02E-04	5.82E-04	-3.20E-04
2.29E+02	-7.50E-05	5.56E-04	-3.44E-04
2.29E+02	-1.14E-04	5.50E-04	-3.45E-04
2.29E+02	-1.35E-04	5.68E-04	-3.37E-04
2.29E+02	-1.18E-04	6.06E-04	-3.42E-04
2.29E+02	-1.54E-04	6.24E-04	-3.51E-04
2.29E+02	-1.97E-04	6.09E-04	-3.97E-04
2.29E+02	-2.12E-04	6.06E-04	-3.79E-04
2.29E+02	-2.01E-04	6.26E-04	-3.11E-04
2.29E+02	-1.58E-04	6.30E-04	-3.19E-04
2.29E+02	-1.42E-04	6.25E-04	-3.31E-04
2.29E+02	-1.17E-04	6.21E-04	-3.27E-04
2.29E+02	-3.78E-05	6.33E-04	-3.11E-04
2.29E+02	7.63E-07	6.48E-04	-3.02E-04
2.29E+02	1.09E-05	6.23E-04	-3.90E-04
2.29E+02	3.19E-05	6.08E-04	-4.55E-04
2.29E+02	4.41E-05	6.21E-04	-4.54E-04
2.29E+02	5.93E-05	6.21E-04	-4.73E-04
2.29E+02	2.48E-05	6.21E-04	-4.58E-04
2.29E+02	-2.98E-05	6.28E-04	-4.16E-04
2.29E+02	-4.29E-05	6.45E-04	-3.75E-04
2.29E+02	-9.54E-05	6.60E-04	-3.58E-04
2.29E+02	-1.83E-04	6.46E-04	-4.36E-04
2.29E+02	-2.33E-04	6.59E-04	-5.01E-04
2.29E+02	-2.48E-04	7.21E-04	-4.97E-04
2.29E+02	-2.27E-04	7.69E-04	-5.28E-04

2.29E+02	-2.18E-04	8.12E-04	-5.51E-04
2.29E+02	-2.21E-04	8.55E-04	-5.55E-04
2.29E+02	-1.76E-04	8.96E-04	-5.30E-04
2.29E+02	-1.45E-04	9.33E-04	-4.63E-04
2.29E+02	-1.46E-04	9.03E-04	-5.03E-04
2.29E+02	-1.40E-04	8.57E-04	-5.52E-04
2.29E+02	-1.34E-04	8.60E-04	-5.06E-04
2.29E+02	-1.11E-04	8.58E-04	-5.10E-04
2.29E+02	-1.15E-04	8.49E-04	-5.05E-04
2.29E+02	-1.44E-04	8.66E-04	-4.72E-04
2.29E+02	-1.24E-04	8.87E-04	-4.48E-04
2.29E+02	-1.10E-04	9.01E-04	-3.87E-04
2.29E+02	-1.31E-04	8.91E-04	-3.85E-04
2.29E+02	-1.35E-04	8.66E-04	-3.93E-04
2.29E+02	-1.14E-04	8.68E-04	-3.35E-04
2.29E+02	-6.60E-05	8.62E-04	-3.34E-04
2.29E+02	-3.57E-05	8.42E-04	-3.39E-04
2.29E+02	-3.64E-05	8.37E-04	-3.04E-04
2.29E+02	8.96E-06	8.52E-04	-2.82E-04
2.29E+02	5.49E-05	8.89E-04	-2.34E-04
2.29E+02	4.60E-05	8.74E-04	-2.44E-04
2.29E+02	5.38E-05	8.22E-04	-2.86E-04
2.29E+02	8.54E-05	7.98E-04	-2.29E-04
2.29E+02	1.26E-04	7.69E-04	-1.90E-04
2.29E+02	1.61E-04	7.56E-04	-1.73E-04
2.29E+02	1.48E-04	7.53E-04	-1.58E-04
2.29E+02	1.70E-04	7.68E-04	-1.84E-04
2.29E+02	2.26E-04	8.17E-04	-1.65E-04
2.29E+02	2.25E-04	8.22E-04	-1.65E-04
2.29E+02	2.16E-04	8.06E-04	-1.77E-04
2.29E+02	2.03E-04	7.92E-04	-1.19E-04
2.29E+02	1.79E-04	7.41E-04	-1.21E-04
2.29E+02	1.38E-04	6.73E-04	-1.75E-04
2.29E+02	5.00E-05	6.21E-04	-2.16E-04
2.29E+02	3.81E-06	5.90E-04	-2.77E-04
2.29E+02	-1.14E-05	5.92E-04	-2.94E-04
2.29E+02	-5.23E-05	5.90E-04	-3.37E-04
2.29E+02	-5.57E-05	5.51E-04	-4.10E-04
2.29E+02	-3.62E-05	5.23E-04	-3.79E-04
2.29E+02	-2.29E-06	4.78E-04	-3.50E-04
2.29E+02	2.57E-05	3.99E-04	-3.61E-04
2.29E+02	-1.32E-05	3.28E-04	-3.58E-04
2.29E+02	-2.86E-05	2.72E-04	-3.79E-04
2.29E+02	-2.40E-05	2.61E-04	-3.78E-04
2.29E+02	-6.69E-05	2.67E-04	-3.88E-04
2.29E+02	-1.10E-04	2.66E-04	-4.35E-04
2.29E+02	-1.41E-04	2.97E-04	-4.00E-04

2.29E+02	-1.38E-04	3.25E-04	-3.52E-04
2.29E+02	-1.25E-04	3.34E-04	-3.50E-04
2.29E+02	-1.42E-04	3.63E-04	-3.09E-04
2.29E+02	-1.35E-04	4.01E-04	-3.02E-04
2.29E+02	-1.01E-04	4.55E-04	-2.98E-04
2.29E+02	-9.80E-05	4.94E-04	-2.88E-04
2.29E+02	-1.13E-04	4.89E-04	-3.44E-04
2.29E+02	-1.20E-04	4.93E-04	-3.30E-04
2.29E+02	-1.23E-04	4.96E-04	-2.78E-04
2.29E+02	-1.34E-04	4.70E-04	-2.69E-04
2.29E+02	-1.89E-04	4.47E-04	-2.17E-04
2.29E+02	-2.29E-04	4.22E-04	-1.76E-04
2.29E+02	-2.08E-04	4.15E-04	-1.40E-04
2.29E+02	-2.18E-04	4.06E-04	-1.22E-04
2.29E+02	-2.30E-04	3.72E-04	-1.84E-04
2.29E+02	-2.01E-04	3.68E-04	-1.88E-04
2.29E+02	-1.47E-04	3.79E-04	-1.42E-04
2.29E+02	-7.10E-05	3.72E-04	-1.36E-04
2.29E+02	-4.35E-05	3.59E-04	-9.40E-05
2.29E+02	-2.84E-05	3.43E-04	-5.00E-05
2.29E+02	1.56E-05	3.47E-04	-1.11E-05
2.29E+02	2.48E-06	3.51E-04	2.48E-05
2.29E+02	-4.23E-05	3.29E-04	-1.91E-05
2.29E+02	-7.61E-05	3.21E-04	-4.20E-05
2.29E+02	-1.02E-04	3.43E-04	-3.38E-05
2.29E+02	-1.14E-04	3.64E-04	-5.66E-05
2.29E+02	-1.58E-04	3.85E-04	-4.29E-05
2.29E+02	-1.95E-04	4.01E-04	-3.55E-05
2.29E+02	-1.67E-04	4.15E-04	-1.87E-05
2.29E+02	-1.46E-04	4.25E-04	3.81E-05
2.29E+02	-1.39E-04	3.98E-04	4.88E-05
2.29E+02	-1.06E-04	3.80E-04	9.12E-05
2.29E+02	-6.73E-05	3.66E-04	1.54E-04
2.29E+02	-1.34E-05	3.22E-04	1.43E-04
2.29E+02	2.29E-06	2.80E-04	1.42E-04
2.29E+02	-1.34E-05	2.39E-04	1.42E-04
2.29E+02	2.27E-05	2.42E-04	1.26E-04
2.29E+02	9.54E-06	2.55E-04	1.05E-04
2.29E+02	-3.68E-05	2.23E-04	1.37E-05
2.29E+02	-4.41E-05	2.09E-04	-4.73E-05
2.29E+02	-8.26E-05	1.85E-04	-4.79E-05
2.29E+02	-1.21E-04	1.39E-04	-7.53E-05
2.29E+02	-1.98E-04	1.05E-04	-8.45E-05
2.29E+02	-3.20E-04	4.94E-05	-9.65E-05
2.29E+02	-3.85E-04	1.28E-05	-1.20E-04
2.29E+02	-4.49E-04	3.05E-06	-1.02E-04
2.29E+02	-5.20E-04	-2.52E-05	-1.14E-04

2.29E+02	-5.49E-04	-2.86E-05	-9.46E-05
2.29E+02	-5.49E-04	1.14E-06	-1.91E-06
2.29E+02	-5.00E-04	2.92E-05	3.80E-05
2.29E+02	-4.60E-04	5.78E-05	6.64E-05
2.29E+02	-4.49E-04	7.23E-05	1.03E-04
2.29E+02	-3.82E-04	8.30E-05	1.27E-04
2.29E+02	-3.27E-04	9.08E-05	1.89E-04
2.29E+02	-3.30E-04	4.50E-05	1.91E-04
2.29E+02	-3.10E-04	-1.91E-05	1.84E-04
2.29E+02	-2.85E-04	-5.55E-05	2.79E-04
2.29E+02	-2.81E-04	-1.09E-04	3.26E-04
2.29E+02	-2.99E-04	-1.62E-04	3.46E-04
2.29E+02	-3.70E-04	-1.92E-04	3.69E-04
2.29E+02	-4.25E-04	-2.03E-04	3.19E-04
2.29E+02	-4.64E-04	-1.78E-04	2.60E-04
2.29E+02	-5.44E-04	-1.70E-04	1.59E-04
2.29E+02	-6.15E-04	-1.63E-04	5.65E-05
2.29E+02	-6.69E-04	-1.35E-04	4.71E-05
2.29E+02	-6.96E-04	-1.38E-04	1.81E-05
2.29E+02	-7.14E-04	-1.53E-04	-1.68E-05
2.29E+02	-7.70E-04	-1.73E-04	-1.01E-05
2.29E+02	-7.75E-04	-1.93E-04	1.91E-07
2.29E+02	-7.54E-04	-1.75E-04	4.52E-05
2.29E+02	-7.75E-04	-1.81E-04	3.19E-05
2.29E+02	-7.85E-04	-2.22E-04	-4.39E-05
2.29E+02	-7.89E-04	-2.39E-04	-5.68E-05
2.29E+02	-7.86E-04	-2.59E-04	-7.53E-05
2.29E+02	-8.09E-04	-2.79E-04	-1.02E-04
2.29E+02	-8.80E-04	-2.73E-04	-8.72E-05
2.29E+02	-8.98E-04	-2.42E-04	-7.74E-05
2.29E+02	-8.98E-04	-1.94E-04	-5.46E-05
2.29E+02	-9.22E-04	-1.49E-04	-6.14E-05
2.29E+02	-9.20E-04	-1.02E-04	-1.14E-04
2.29E+02	-9.17E-04	-5.21E-05	-1.23E-04
2.29E+02	-8.89E-04	-1.53E-05	-1.52E-04
2.29E+02	-8.48E-04	4.58E-06	-2.09E-04
2.29E+02	-8.59E-04	1.87E-05	-1.93E-04
2.29E+02	-8.51E-04	4.67E-05	-1.34E-04
2.29E+02	-8.18E-04	1.01E-04	-3.05E-05
2.29E+02	-8.41E-04	1.16E-04	3.66E-05
2.29E+02	-8.67E-04	7.95E-05	2.10E-05
2.29E+02	-8.67E-04	6.73E-05	6.43E-05
2.29E+02	-8.61E-04	4.92E-05	1.24E-04
2.29E+02	-8.57E-04	9.35E-06	1.40E-04
2.29E+02	-8.75E-04	-2.33E-05	1.64E-04
2.29E+02	-8.62E-04	-6.47E-05	1.57E-04
2.29E+02	-7.95E-04	-9.71E-05	1.52E-04

2.29E+02	-7.43E-04	-1.43E-04	1.52E-04
2.29E+02	-7.13E-04	-2.38E-04	7.78E-05
2.29E+02	-6.63E-04	-3.07E-04	5.80E-05
2.29E+02	-5.94E-04	-3.52E-04	8.53E-05
2.29E+02	-5.24E-04	-4.16E-04	3.87E-05
2.29E+02	-4.90E-04	-4.68E-04	2.31E-05
2.29E+02	-4.82E-04	-5.09E-04	3.87E-05
2.29E+02	-4.58E-04	-5.13E-04	6.90E-05
2.29E+02	-4.84E-04	-4.97E-04	9.21E-05
2.29E+02	-5.44E-04	-5.10E-04	1.75E-05
2.29E+02	-5.84E-04	-4.91E-04	-2.84E-05
2.29E+02	-6.07E-04	-4.29E-04	-3.51E-05
2.29E+02	-5.94E-04	-3.62E-04	-7.74E-05
2.29E+02	-5.95E-04	-2.72E-04	-5.89E-05
2.29E+02	-5.69E-04	-1.68E-04	-3.81E-06
2.29E+02	-4.69E-04	-5.21E-05	5.86E-05
2.29E+02	-3.88E-04	4.86E-05	1.17E-04
2.29E+02	-3.21E-04	9.75E-05	1.05E-04
2.29E+02	-2.41E-04	1.44E-04	1.33E-04
2.29E+02	-1.60E-04	1.76E-04	1.86E-04
2.29E+02	-6.71E-05	1.61E-04	1.54E-04
2.29E+02	-3.95E-05	1.27E-04	1.42E-04
2.29E+02	-5.47E-05	8.30E-05	1.40E-04
2.29E+02	-3.28E-05	6.64E-05	1.57E-04
2.29E+02	-6.37E-05	5.95E-05	2.16E-04
2.29E+02	-1.37E-04	1.13E-05	1.93E-04
2.29E+02	-1.91E-04	-3.17E-05	1.79E-04
2.29E+02	-2.37E-04	-6.83E-05	2.14E-04
2.29E+02	-2.49E-04	-1.20E-04	2.12E-04
2.29E+02	-2.85E-04	-1.67E-04	2.38E-04
2.29E+02	-3.26E-04	-2.10E-04	2.71E-04
2.29E+02	-2.90E-04	-2.24E-04	3.07E-04
2.30E+02	-2.59E-04	-2.26E-04	3.86E-04
2.30E+02	-2.57E-04	-2.56E-04	4.12E-04
2.30E+02	-2.39E-04	-2.83E-04	4.25E-04
2.30E+02	-2.17E-04	-2.98E-04	4.65E-04
2.30E+02	-1.85E-04	-3.24E-04	4.28E-04
2.30E+02	-1.88E-04	-3.56E-04	3.83E-04
2.30E+02	-2.32E-04	-3.76E-04	3.68E-04
2.30E+02	-2.33E-04	-3.51E-04	3.51E-04
2.30E+02	-2.60E-04	-2.94E-04	3.58E-04
2.30E+02	-3.37E-04	-2.67E-04	2.93E-04
2.30E+02	-3.78E-04	-2.49E-04	2.06E-04
2.30E+02	-4.10E-04	-2.16E-04	2.01E-04
2.30E+02	-4.29E-04	-1.99E-04	1.72E-04
2.30E+02	-4.48E-04	-1.83E-04	1.34E-04
2.30E+02	-4.86E-04	-1.68E-04	1.19E-04

2.30E+02	-4.54E-04	-1.55E-04	9.94E-05
2.30E+02	-3.97E-04	-1.37E-04	1.27E-04
2.30E+02	-3.70E-04	-1.60E-04	1.47E-04
2.30E+02	-3.31E-04	-2.08E-04	1.67E-04
2.30E+02	-2.91E-04	-2.37E-04	2.53E-04
2.30E+02	-2.29E-04	-2.85E-04	2.63E-04
2.30E+02	-1.81E-04	-3.41E-04	2.00E-04
2.30E+02	-1.63E-04	-3.69E-04	1.50E-04
2.30E+02	-9.56E-05	-3.79E-04	8.64E-05
2.30E+02	-7.82E-06	-3.41E-04	7.88E-05
2.30E+02	5.80E-05	-3.07E-04	6.12E-05
2.30E+02	1.25E-04	-3.12E-04	-6.48E-06
2.30E+02	1.96E-04	-2.95E-04	1.24E-05
2.30E+02	2.73E-04	-3.00E-04	3.78E-05
2.30E+02	3.14E-04	-3.26E-04	5.17E-05
2.30E+02	2.95E-04	-3.41E-04	9.86E-05
2.30E+02	2.96E-04	-3.45E-04	9.23E-05
2.30E+02	2.99E-04	-3.11E-04	6.28E-05
2.30E+02	2.49E-04	-2.84E-04	-1.34E-05
2.30E+02	1.89E-04	-2.64E-04	-1.17E-04
2.30E+02	1.44E-04	-2.14E-04	-1.09E-04
2.30E+02	1.17E-04	-2.00E-04	-1.05E-04
2.30E+02	9.63E-05	-2.21E-04	-1.23E-04
2.30E+02	5.38E-05	-2.36E-04	-5.76E-05
2.30E+02	5.02E-05	-2.39E-04	-1.32E-05
2.30E+02	9.78E-05	-1.97E-04	3.59E-05
2.30E+02	1.05E-04	-1.54E-04	3.45E-05
2.30E+02	1.02E-04	-1.33E-04	-6.22E-05
2.30E+02	1.38E-04	-7.65E-05	-7.25E-05
2.30E+02	1.75E-04	-2.06E-05	-7.95E-05
2.30E+02	1.94E-04	1.07E-05	-1.08E-04
2.30E+02	1.56E-04	4.44E-05	-7.17E-05
2.30E+02	1.12E-04	7.10E-05	-5.80E-05
2.30E+02	9.38E-05	1.04E-04	-1.89E-05
2.30E+02	3.24E-05	1.27E-04	1.89E-05
2.30E+02	-2.52E-05	1.30E-04	-1.93E-05
2.30E+02	-5.38E-05	1.55E-04	-5.72E-07
2.30E+02	-6.90E-05	1.75E-04	2.67E-05
2.30E+02	-6.16E-05	1.59E-04	-2.10E-06
2.30E+02	-8.62E-05	1.34E-04	2.29E-06
2.30E+02	-8.87E-05	1.14E-04	1.91E-07
2.30E+02	-4.14E-05	1.15E-04	1.35E-05
2.30E+02	-3.19E-05	1.09E-04	2.67E-05
2.30E+02	-2.50E-05	7.42E-05	-1.56E-05
2.30E+02	3.81E-06	6.29E-05	-1.72E-06
2.30E+02	3.47E-05	7.34E-05	2.23E-05
2.30E+02	6.12E-05	6.62E-05	-2.38E-05

2.30E+02	3.13E-05	5.28E-05	-6.41E-05
2.30E+02	1.14E-06	3.87E-05	-9.44E-05
2.30E+02	1.83E-05	3.36E-05	-9.16E-05
2.30E+02	3.81E-07	2.10E-05	-6.22E-05
2.30E+02	-3.34E-05	-9.54E-06	-9.38E-05
2.30E+02	-4.48E-05	-1.75E-05	-9.75E-05
2.30E+02	-5.04E-05	-1.47E-05	-5.38E-05
2.30E+02	-4.10E-05	-3.24E-05	-5.28E-05
2.30E+02	-6.73E-05	-7.21E-05	-1.09E-05
2.30E+02	-1.15E-04	-1.15E-04	6.87E-05
2.30E+02	-1.30E-04	-1.38E-04	1.43E-04
2.30E+02	-1.79E-04	-1.64E-04	2.10E-04
2.30E+02	-2.54E-04	-2.26E-04	1.82E-04
2.30E+02	-2.92E-04	-2.72E-04	1.66E-04
2.30E+02	-3.07E-04	-2.85E-04	2.14E-04
2.30E+02	-2.97E-04	-3.14E-04	2.17E-04
2.30E+02	-3.15E-04	-3.23E-04	2.44E-04
2.30E+02	-3.39E-04	-3.11E-04	2.78E-04
2.30E+02	-2.86E-04	-2.88E-04	2.79E-04
2.30E+02	-2.48E-04	-2.59E-04	2.64E-04
2.30E+02	-2.46E-04	-2.69E-04	1.65E-04
2.30E+02	-2.14E-04	-2.45E-04	9.38E-05
2.30E+02	-1.68E-04	-1.93E-04	6.47E-05
2.30E+02	-1.01E-04	-1.73E-04	-2.40E-05
2.30E+02	-5.46E-05	-1.35E-04	-9.56E-05
2.30E+02	-4.14E-05	-1.03E-04	-1.65E-04
2.30E+02	5.91E-06	-7.59E-05	-2.32E-04
2.30E+02	3.11E-05	-2.56E-05	-2.63E-04
2.30E+02	2.02E-05	-9.54E-06	-3.46E-04
2.30E+02	2.19E-05	-7.82E-06	-4.10E-04
2.30E+02	3.26E-05	2.84E-05	-3.66E-04
2.30E+02	4.39E-05	3.55E-05	-3.27E-04
2.30E+02	1.60E-05	1.43E-05	-2.90E-04
2.30E+02	-3.85E-05	-3.62E-06	-2.47E-04
2.30E+02	-6.62E-05	-2.78E-05	-2.47E-04
2.30E+02	-1.06E-04	-3.97E-05	-2.17E-04
2.30E+02	-1.76E-04	-8.09E-05	-2.01E-04
2.30E+02	-2.28E-04	-1.27E-04	-1.70E-04
2.30E+02	-2.65E-04	-1.49E-04	-5.04E-05
2.30E+02	-2.69E-04	-1.94E-04	3.64E-05
2.30E+02	-2.82E-04	-2.59E-04	8.54E-05
2.30E+02	-3.43E-04	-3.32E-04	1.06E-04
2.30E+02	-3.30E-04	-3.63E-04	8.93E-05
2.30E+02	-2.69E-04	-3.39E-04	9.38E-05
2.30E+02	-2.27E-04	-3.18E-04	5.04E-05
2.30E+02	-1.49E-04	-2.98E-04	-1.96E-05
2.30E+02	-5.13E-05	-2.67E-04	-2.88E-05

2.30E+02	4.54E-05	-2.53E-04	-3.99E-05
2.30E+02	1.00E-04	-2.68E-04	-6.33E-05
2.30E+02	9.61E-05	-2.99E-04	-1.12E-04
2.30E+02	1.15E-04	-3.16E-04	-1.97E-04
2.30E+02	1.36E-04	-2.99E-04	-2.46E-04
2.30E+02	1.13E-04	-2.74E-04	-3.07E-04
2.30E+02	9.10E-05	-2.42E-04	-3.88E-04
2.30E+02	8.18E-05	-1.88E-04	-4.01E-04
2.30E+02	8.62E-05	-1.50E-04	-4.32E-04
2.30E+02	8.07E-05	-1.54E-04	-4.92E-04
2.30E+02	3.99E-05	-1.81E-04	-4.98E-04
2.30E+02	4.01E-05	-2.07E-04	-4.96E-04
2.30E+02	6.83E-05	-2.10E-04	-4.63E-04
2.30E+02	5.59E-05	-2.18E-04	-4.49E-04
2.30E+02	5.59E-05	-2.41E-04	-4.72E-04
2.30E+02	8.45E-05	-2.29E-04	-4.09E-04
2.30E+02	1.23E-04	-2.05E-04	-3.55E-04
2.30E+02	1.53E-04	-1.92E-04	-3.43E-04
2.30E+02	1.38E-04	-1.93E-04	-2.84E-04
2.30E+02	1.46E-04	-2.11E-04	-2.37E-04
2.30E+02	1.93E-04	-2.04E-04	-1.73E-04
2.30E+02	1.87E-04	-2.24E-04	-1.24E-04
2.30E+02	1.66E-04	-2.63E-04	-1.28E-04
2.30E+02	1.69E-04	-2.55E-04	-5.74E-05
2.30E+02	1.60E-04	-2.54E-04	-1.75E-05
2.30E+02	1.43E-04	-2.67E-04	-6.47E-05
2.30E+02	7.82E-05	-2.69E-04	-8.77E-05
2.30E+02	1.47E-05	-2.59E-04	-1.18E-04
2.30E+02	3.24E-06	-2.25E-04	-1.16E-04
2.30E+02	-3.41E-05	-2.09E-04	-1.13E-04
2.30E+02	-6.75E-05	-2.28E-04	-1.53E-04
2.30E+02	-5.97E-05	-2.29E-04	-1.08E-04
2.30E+02	-3.49E-05	-2.24E-04	-6.16E-05
2.30E+02	-6.87E-06	-2.27E-04	-8.75E-05
2.30E+02	-1.74E-05	-2.16E-04	-1.20E-04
2.30E+02	1.05E-05	-2.02E-04	-1.90E-04
2.30E+02	1.02E-04	-1.55E-04	-2.22E-04
2.30E+02	1.61E-04	-1.08E-04	-2.07E-04
2.30E+02	2.26E-04	-8.07E-05	-2.15E-04
2.30E+02	2.80E-04	-2.21E-05	-1.77E-04
2.30E+02	3.11E-04	2.40E-05	-1.38E-04
2.30E+02	3.59E-04	4.54E-05	-1.36E-04
2.30E+02	3.20E-04	4.04E-05	-1.14E-04
2.30E+02	2.52E-04	8.58E-06	-1.17E-04
2.30E+02	2.16E-04	1.91E-06	-1.29E-04
2.30E+02	1.22E-04	-2.00E-05	-1.48E-04
2.30E+02	1.54E-05	-7.95E-05	-2.19E-04

2.30E+02	-7.06E-05	-1.34E-04	-2.16E-04
2.30E+02	-1.41E-04	-1.98E-04	-1.51E-04
2.30E+02	-1.76E-04	-2.79E-04	-1.23E-04
2.30E+02	-2.46E-04	-3.71E-04	-9.16E-05
2.30E+02	-3.16E-04	-4.71E-04	-9.23E-05
2.30E+02	-3.07E-04	-5.36E-04	-1.06E-04
2.30E+02	-3.00E-04	-5.79E-04	-9.48E-05
2.30E+02	-3.06E-04	-6.28E-04	-1.25E-04
2.30E+02	-2.85E-04	-6.54E-04	-1.22E-04
2.30E+02	-2.43E-04	-6.52E-04	-6.68E-05
2.30E+02	-1.73E-04	-6.46E-04	-7.06E-05
2.30E+02	-1.41E-04	-6.43E-04	-6.92E-05
2.30E+02	-1.39E-04	-6.33E-04	-5.36E-05
2.30E+02	-9.25E-05	-5.98E-04	-6.92E-05
2.30E+02	-6.24E-05	-5.54E-04	-7.95E-05
2.30E+02	-7.80E-05	-5.46E-04	-1.54E-04
2.30E+02	-7.84E-05	-5.44E-04	-2.08E-04
2.30E+02	-5.74E-05	-5.27E-04	-1.45E-04
2.30E+02	-4.25E-05	-5.29E-04	-1.13E-04
2.30E+02	-5.84E-05	-5.22E-04	-8.01E-05
2.30E+02	-8.66E-05	-5.03E-04	-2.63E-05
2.30E+02	-7.86E-05	-4.88E-04	5.72E-07
2.30E+02	-8.03E-05	-4.63E-04	8.20E-05
2.30E+02	-1.17E-04	-4.71E-04	1.42E-04
2.30E+02	-1.41E-04	-4.92E-04	2.02E-04
2.30E+02	-1.52E-04	-4.92E-04	3.25E-04
2.30E+02	-1.37E-04	-4.96E-04	3.60E-04
2.30E+02	-1.32E-04	-4.93E-04	3.31E-04
2.30E+02	-1.53E-04	-4.76E-04	3.07E-04
2.30E+02	-1.14E-04	-4.24E-04	2.85E-04
2.30E+02	-7.06E-05	-3.54E-04	3.09E-04
2.30E+02	-6.41E-05	-3.31E-04	2.60E-04
2.30E+02	-2.21E-05	-3.34E-04	1.81E-04
2.30E+02	2.25E-05	-3.20E-04	1.89E-04
2.30E+02	6.73E-05	-3.18E-04	1.71E-04
2.30E+02	9.46E-05	-3.23E-04	1.49E-04
2.30E+02	6.60E-05	-3.26E-04	1.29E-04
2.30E+02	7.93E-05	-3.34E-04	5.66E-05
2.30E+02	1.15E-04	-3.22E-04	3.07E-05
2.30E+02	1.04E-04	-3.39E-04	3.24E-06
2.30E+02	1.00E-04	-3.69E-04	-3.22E-05
2.30E+02	1.12E-04	-3.56E-04	1.39E-05
2.30E+02	1.32E-04	-3.81E-04	1.43E-05
2.30E+02	1.42E-04	-4.10E-04	-3.62E-06
2.31E+02	1.02E-04	-4.10E-04	4.79E-05
2.31E+02	7.99E-05	-4.01E-04	8.09E-05
2.31E+02	8.56E-05	-3.48E-04	1.36E-04

2.31E+02	5.04E-05	-3.12E-04	1.69E-04
2.31E+02	2.50E-05	-3.02E-04	1.46E-04
2.31E+02	4.18E-05	-2.69E-04	2.00E-04
2.31E+02	8.34E-05	-2.45E-04	2.84E-04
2.31E+02	1.10E-04	-2.25E-04	3.49E-04
2.31E+02	8.47E-05	-2.18E-04	3.99E-04
2.31E+02	8.96E-05	-2.25E-04	3.94E-04
2.31E+02	1.04E-04	-2.20E-04	4.13E-04
2.31E+02	5.61E-05	-2.39E-04	4.13E-04
2.31E+02	1.72E-06	-2.92E-04	3.38E-04
2.31E+02	-6.41E-05	-3.41E-04	2.92E-04
2.31E+02	-1.24E-04	-3.89E-04	2.26E-04
2.31E+02	-1.70E-04	-4.18E-04	1.45E-04
2.31E+02	-2.45E-04	-4.28E-04	1.30E-04
2.31E+02	-2.63E-04	-4.14E-04	1.40E-04
2.31E+02	-2.25E-04	-3.51E-04	1.85E-04
2.31E+02	-2.13E-04	-3.18E-04	1.88E-04
2.31E+02	-1.87E-04	-3.32E-04	1.27E-04
2.31E+02	-1.30E-04	-3.42E-04	1.43E-04
2.31E+02	-5.30E-05	-3.73E-04	1.84E-04
2.31E+02	1.58E-05	-4.04E-04	2.14E-04
2.31E+02	2.82E-05	-4.25E-04	2.68E-04
2.31E+02	5.34E-05	-4.44E-04	3.02E-04
2.31E+02	1.13E-04	-4.30E-04	3.52E-04
2.31E+02	1.36E-04	-4.13E-04	4.22E-04
2.31E+02	1.48E-04	-4.17E-04	4.52E-04
2.31E+02	1.60E-04	-4.14E-04	5.17E-04
2.31E+02	1.78E-04	-3.99E-04	5.90E-04
2.31E+02	2.15E-04	-3.95E-04	5.96E-04
2.31E+02	1.97E-04	-4.02E-04	6.17E-04
2.31E+02	1.77E-04	-4.04E-04	6.48E-04
2.31E+02	1.99E-04	-3.85E-04	6.76E-04
2.31E+02	1.72E-04	-3.78E-04	6.85E-04
2.31E+02	1.23E-04	-4.14E-04	5.99E-04
2.31E+02	8.81E-05	-4.37E-04	5.33E-04
2.31E+02	5.46E-05	-4.50E-04	5.00E-04
2.31E+02	3.47E-05	-4.86E-04	4.38E-04
2.31E+02	-4.06E-05	-5.17E-04	4.27E-04
2.31E+02	-1.27E-04	-5.56E-04	4.22E-04
2.31E+02	-1.39E-04	-5.81E-04	4.17E-04
2.31E+02	-1.66E-04	-5.87E-04	4.38E-04
2.31E+02	-1.84E-04	-6.11E-04	3.91E-04
2.31E+02	-1.43E-04	-6.05E-04	3.60E-04
2.31E+02	-6.47E-05	-5.70E-04	3.63E-04
2.31E+02	6.47E-05	-5.58E-04	3.07E-04
2.31E+02	1.64E-04	-5.54E-04	2.82E-04
2.31E+02	2.32E-04	-5.72E-04	2.72E-04

2.31E+02	3.33E-04	-5.87E-04	2.67E-04
2.31E+02	3.98E-04	-5.83E-04	2.89E-04
2.31E+02	4.10E-04	-6.21E-04	2.34E-04
2.31E+02	4.14E-04	-6.52E-04	2.21E-04
2.31E+02	4.19E-04	-6.48E-04	3.14E-04
2.31E+02	4.28E-04	-6.47E-04	3.78E-04
2.31E+02	3.88E-04	-6.53E-04	4.31E-04
2.31E+02	3.21E-04	-6.75E-04	4.54E-04
2.31E+02	3.09E-04	-6.89E-04	4.42E-04
2.31E+02	2.87E-04	-6.96E-04	4.50E-04
2.31E+02	2.53E-04	-7.19E-04	4.12E-04
2.31E+02	2.49E-04	-7.31E-04	3.71E-04
2.31E+02	2.51E-04	-7.20E-04	3.64E-04
2.31E+02	2.81E-04	-7.19E-04	3.09E-04
2.31E+02	3.01E-04	-7.23E-04	2.82E-04
2.31E+02	2.86E-04	-7.26E-04	3.04E-04
2.31E+02	3.24E-04	-7.14E-04	3.26E-04
2.31E+02	3.67E-04	-6.79E-04	3.66E-04
2.31E+02	3.72E-04	-6.72E-04	3.20E-04
2.31E+02	3.94E-04	-6.78E-04	2.30E-04
2.31E+02	4.32E-04	-6.50E-04	2.30E-04
2.31E+02	4.84E-04	-6.32E-04	2.37E-04
2.31E+02	4.89E-04	-6.27E-04	2.41E-04
2.31E+02	4.49E-04	-6.18E-04	2.42E-04
2.31E+02	4.41E-04	-6.25E-04	1.96E-04
2.31E+02	4.27E-04	-6.16E-04	1.95E-04
2.31E+02	3.89E-04	-6.12E-04	1.75E-04
2.31E+02	3.47E-04	-6.32E-04	1.28E-04
2.31E+02	3.19E-04	-6.27E-04	1.84E-04
2.31E+02	3.11E-04	-6.15E-04	2.28E-04
2.31E+02	2.87E-04	-5.99E-04	2.35E-04
2.31E+02	2.40E-04	-5.72E-04	2.51E-04
2.31E+02	2.23E-04	-5.32E-04	2.24E-04
2.31E+02	2.18E-04	-4.77E-04	2.05E-04
2.31E+02	1.74E-04	-4.70E-04	1.37E-04
2.31E+02	1.37E-04	-4.98E-04	2.92E-05
2.31E+02	1.28E-04	-5.08E-04	3.68E-05
2.31E+02	1.34E-04	-5.15E-04	8.14E-05
2.31E+02	1.18E-04	-5.32E-04	1.34E-04
2.31E+02	5.23E-05	-5.57E-04	2.14E-04
2.31E+02	1.20E-05	-5.81E-04	2.40E-04
2.31E+02	-4.39E-06	-5.94E-04	2.86E-04
2.31E+02	-6.50E-05	-6.41E-04	2.95E-04
2.31E+02	-1.33E-04	-7.07E-04	2.08E-04
2.31E+02	-1.78E-04	-7.36E-04	1.93E-04
2.31E+02	-1.94E-04	-7.52E-04	1.93E-04
2.31E+02	-1.86E-04	-7.59E-04	1.62E-04

2.31E+02	-2.13E-04	-7.60E-04	1.77E-04
2.31E+02	-2.30E-04	-7.64E-04	1.67E-04
2.31E+02	-2.12E-04	-7.30E-04	1.59E-04
2.31E+02	-2.41E-04	-7.05E-04	1.24E-04
2.31E+02	-2.69E-04	-7.01E-04	1.58E-05
2.31E+02	-2.60E-04	-6.51E-04	-7.25E-06
2.31E+02	-2.42E-04	-5.91E-04	2.16E-05
2.31E+02	-2.22E-04	-5.49E-04	5.07E-05
2.31E+02	-2.46E-04	-5.26E-04	1.32E-04
2.31E+02	-2.58E-04	-5.33E-04	1.76E-04
2.31E+02	-1.94E-04	-5.22E-04	2.10E-04
2.31E+02	-1.58E-04	-5.22E-04	2.24E-04
2.31E+02	-1.28E-04	-5.31E-04	1.70E-04
2.31E+02	-5.44E-05	-4.77E-04	1.67E-04
2.31E+02	1.47E-05	-4.10E-04	1.49E-04
2.31E+02	8.62E-05	-3.53E-04	8.26E-05
2.31E+02	9.88E-05	-3.05E-04	7.65E-05
2.31E+02	7.69E-05	-2.73E-04	8.93E-05
2.31E+02	8.32E-05	-2.22E-04	1.38E-04
2.31E+02	3.38E-05	-1.87E-04	1.63E-04
2.31E+02	-4.48E-05	-1.83E-04	6.87E-05
2.31E+02	-1.11E-04	-1.65E-04	9.35E-06
2.31E+02	-1.64E-04	-1.40E-04	-1.91E-06
2.31E+02	-1.92E-04	-1.13E-04	-2.48E-05
2.31E+02	-2.62E-04	-7.90E-05	-1.91E-07
2.31E+02	-3.23E-04	-6.35E-05	1.39E-05
2.31E+02	-3.11E-04	-3.85E-05	4.44E-05
2.31E+02	-3.03E-04	-1.62E-05	9.21E-05
2.31E+02	-2.89E-04	-2.61E-05	4.81E-05
2.31E+02	-2.26E-04	5.34E-06	2.21E-05
2.31E+02	-1.42E-04	5.34E-05	1.13E-05
2.31E+02	-4.01E-05	7.42E-05	-6.94E-05
2.31E+02	3.19E-05	1.06E-04	-1.01E-04
2.31E+02	8.09E-05	1.11E-04	-8.35E-05
2.31E+02	1.68E-04	1.13E-04	-3.24E-05
2.31E+02	2.15E-04	1.11E-04	4.75E-05
2.31E+02	2.13E-04	4.77E-05	2.78E-05
2.31E+02	2.24E-04	7.63E-06	-2.90E-05
2.31E+02	2.38E-04	8.58E-06	-4.83E-05
2.31E+02	2.63E-04	4.12E-05	-9.35E-05
2.31E+02	2.36E-04	1.12E-04	-1.25E-04
2.31E+02	1.73E-04	1.65E-04	-1.55E-04
2.31E+02	1.70E-04	2.23E-04	-1.81E-04
2.31E+02	1.46E-04	2.71E-04	-1.53E-04
2.31E+02	8.66E-05	2.64E-04	-1.67E-04
2.31E+02	5.89E-05	2.61E-04	-1.66E-04
2.31E+02	3.49E-05	2.81E-04	-8.16E-05

2.31E+02	4.02E-05	3.11E-04	-4.83E-05
2.31E+02	2.82E-05	3.60E-04	-2.44E-05
2.31E+02	-2.52E-05	4.29E-04	3.28E-05
2.31E+02	-1.89E-05	5.34E-04	8.01E-05
2.31E+02	-3.89E-05	6.46E-04	1.20E-04
2.31E+02	-1.02E-04	7.14E-04	9.44E-05
2.31E+02	-1.25E-04	7.60E-04	5.84E-05
2.31E+02	-1.55E-04	8.12E-04	5.97E-05
2.31E+02	-1.66E-04	8.45E-04	6.48E-06
2.31E+02	-1.84E-04	8.65E-04	-7.04E-05
2.31E+02	-2.41E-04	8.66E-04	-1.42E-04
2.31E+02	-2.34E-04	8.49E-04	-2.08E-04
2.31E+02	-2.09E-04	8.29E-04	-2.11E-04
2.31E+02	-2.33E-04	7.69E-04	-2.22E-04
2.31E+02	-2.52E-04	7.07E-04	-2.47E-04
2.31E+02	-2.65E-04	6.84E-04	-2.40E-04
2.31E+02	-2.58E-04	6.63E-04	-2.89E-04
2.31E+02	-2.63E-04	6.58E-04	-3.56E-04
2.31E+02	-3.05E-04	6.65E-04	-3.86E-04
2.31E+02	-3.09E-04	6.95E-04	-3.91E-04
2.31E+02	-3.06E-04	7.81E-04	-3.25E-04
2.31E+02	-3.40E-04	8.52E-04	-2.73E-04
2.31E+02	-3.81E-04	8.80E-04	-2.72E-04
2.31E+02	-3.89E-04	9.15E-04	-2.36E-04
2.31E+02	-3.51E-04	9.48E-04	-2.20E-04
2.31E+02	-3.41E-04	9.71E-04	-2.10E-04
2.31E+02	-3.58E-04	9.83E-04	-1.72E-04
2.31E+02	-3.01E-04	9.93E-04	-1.63E-04
2.31E+02	-2.05E-04	1.03E-03	-1.16E-04
2.31E+02	-1.42E-04	1.06E-03	-5.36E-05
2.31E+02	-7.69E-05	1.08E-03	-3.40E-05
2.31E+02	-1.70E-05	1.10E-03	-3.05E-06
2.31E+02	3.19E-05	1.11E-03	-5.46E-05
2.31E+02	6.79E-05	1.10E-03	-1.78E-04
2.31E+02	4.10E-05	1.07E-03	-2.84E-04
2.31E+02	1.39E-05	1.06E-03	-3.80E-04
2.31E+02	1.28E-05	1.09E-03	-3.99E-04
2.31E+02	-3.19E-05	1.11E-03	-4.21E-04
2.31E+02	-6.90E-05	1.11E-03	-4.87E-04
2.31E+02	-7.21E-05	1.14E-03	-4.54E-04
2.31E+02	-5.97E-05	1.17E-03	-4.07E-04
2.31E+02	-1.03E-05	1.20E-03	-4.10E-04
2.31E+02	1.95E-05	1.23E-03	-3.97E-04
2.31E+02	6.66E-05	1.23E-03	-3.96E-04
2.31E+02	1.80E-04	1.25E-03	-3.83E-04
2.31E+02	2.39E-04	1.23E-03	-3.57E-04
2.31E+02	2.64E-04	1.17E-03	-3.45E-04

2.31E+02	3.21E-04	1.12E-03	-2.67E-04
2.31E+02	3.78E-04	1.06E-03	-1.87E-04
2.31E+02	4.30E-04	9.82E-04	-1.93E-04
2.31E+02	4.43E-04	9.13E-04	-2.06E-04
2.31E+02	4.60E-04	8.68E-04	-2.16E-04
2.31E+02	5.04E-04	8.69E-04	-2.21E-04
2.31E+02	5.10E-04	8.53E-04	-2.53E-04
2.31E+02	5.17E-04	7.97E-04	-3.38E-04
2.31E+02	5.29E-04	7.65E-04	-3.31E-04
2.32E+02	5.36E-04	7.40E-04	-2.71E-04
2.32E+02	5.61E-04	6.99E-04	-2.65E-04
2.32E+02	5.34E-04	6.69E-04	-2.46E-04
2.32E+02	5.07E-04	6.59E-04	-2.55E-04
2.32E+02	5.43E-04	6.87E-04	-2.98E-04
2.32E+02	5.39E-04	7.22E-04	-3.47E-04
2.32E+02	5.17E-04	7.38E-04	-4.50E-04
2.32E+02	5.20E-04	7.82E-04	-5.10E-04
2.32E+02	5.28E-04	8.39E-04	-5.11E-04
2.32E+02	5.61E-04	8.81E-04	-5.34E-04
2.32E+02	5.35E-04	9.18E-04	-5.28E-04
2.32E+02	5.05E-04	9.72E-04	-4.84E-04
2.32E+02	5.36E-04	1.06E-03	-4.06E-04
2.32E+02	5.00E-04	1.12E-03	-3.21E-04
2.32E+02	4.41E-04	1.12E-03	-3.01E-04
2.32E+02	4.09E-04	1.12E-03	-2.66E-04
2.32E+02	3.67E-04	1.10E-03	-2.00E-04
2.32E+02	3.41E-04	1.06E-03	-1.78E-04
2.32E+02	2.71E-04	9.85E-04	-1.62E-04
2.32E+02	1.89E-04	8.89E-04	-1.73E-04
2.32E+02	1.72E-04	8.00E-04	-1.95E-04
2.32E+02	1.37E-04	7.26E-04	-1.99E-04
2.32E+02	7.82E-05	6.24E-04	-2.65E-04
2.32E+02	2.27E-05	5.44E-04	-3.20E-04
2.32E+02	-1.95E-05	5.11E-04	-3.34E-04
2.32E+02	-1.77E-05	4.80E-04	-3.94E-04
2.32E+02	-4.25E-05	4.61E-04	-4.37E-04
2.32E+02	-5.57E-05	4.69E-04	-4.34E-04
2.32E+02	-4.96E-06	5.04E-04	-3.93E-04
2.32E+02	2.56E-05	5.56E-04	-3.11E-04
2.32E+02	5.13E-05	5.80E-04	-2.90E-04
2.32E+02	1.01E-04	5.90E-04	-2.95E-04
2.32E+02	1.63E-04	6.11E-04	-2.58E-04
2.32E+02	2.37E-04	6.21E-04	-2.70E-04
2.32E+02	2.69E-04	6.28E-04	-2.96E-04
2.32E+02	2.71E-04	6.44E-04	-2.99E-04
2.32E+02	3.18E-04	6.62E-04	-3.04E-04
2.32E+02	3.53E-04	6.70E-04	-2.69E-04

2.32E+02	3.42E-04	6.43E-04	-2.60E-04
2.32E+02	3.45E-04	6.09E-04	-2.49E-04
2.32E+02	3.56E-04	6.00E-04	-1.82E-04
2.32E+02	3.74E-04	6.05E-04	-2.08E-04
2.32E+02	3.69E-04	6.17E-04	-2.76E-04
2.32E+02	3.32E-04	6.40E-04	-2.99E-04
2.32E+02	3.38E-04	6.83E-04	-3.11E-04
2.32E+02	3.32E-04	7.34E-04	-2.79E-04
2.32E+02	2.83E-04	7.48E-04	-2.91E-04
2.32E+02	2.57E-04	7.31E-04	-3.01E-04
2.32E+02	2.41E-04	7.20E-04	-2.31E-04
2.32E+02	2.48E-04	6.82E-04	-2.15E-04
2.32E+02	2.54E-04	6.27E-04	-2.29E-04
2.32E+02	2.35E-04	5.80E-04	-2.14E-04
2.32E+02	2.76E-04	5.43E-04	-2.09E-04
2.32E+02	3.40E-04	5.30E-04	-1.88E-04
2.32E+02	3.72E-04	4.99E-04	-2.06E-04
2.32E+02	4.26E-04	4.59E-04	-2.61E-04
2.32E+02	5.03E-04	4.33E-04	-2.75E-04
2.32E+02	5.91E-04	3.97E-04	-3.20E-04
2.32E+02	6.56E-04	3.64E-04	-3.69E-04
2.32E+02	6.61E-04	3.31E-04	-3.77E-04
2.32E+02	6.79E-04	3.33E-04	-3.88E-04
2.32E+02	7.02E-04	3.72E-04	-3.43E-04
2.32E+02	6.61E-04	3.74E-04	-3.37E-04
2.32E+02	6.16E-04	3.65E-04	-3.54E-04
2.32E+02	5.95E-04	3.81E-04	-2.35E-04
2.32E+02	5.81E-04	4.00E-04	-1.15E-04
2.32E+02	5.69E-04	4.33E-04	-3.95E-05
2.32E+02	5.18E-04	4.82E-04	3.60E-05
2.32E+02	5.03E-04	5.58E-04	3.32E-05
2.32E+02	5.35E-04	6.69E-04	1.34E-05
2.32E+02	5.10E-04	7.72E-04	5.53E-06
2.32E+02	4.84E-04	8.60E-04	-2.06E-05
2.32E+02	4.73E-04	9.53E-04	7.82E-06
2.32E+02	4.72E-04	1.04E-03	4.69E-05
2.32E+02	4.80E-04	1.09E-03	3.83E-05
2.32E+02	4.24E-04	1.10E-03	5.30E-05
2.32E+02	3.89E-04	1.13E-03	7.57E-05
2.32E+02	3.80E-04	1.17E-03	7.13E-05
2.32E+02	3.14E-04	1.18E-03	-2.10E-06
2.32E+02	2.65E-04	1.15E-03	-1.40E-04
2.32E+02	2.50E-04	1.12E-03	-1.87E-04
2.32E+02	2.61E-04	1.07E-03	-1.83E-04
2.32E+02	2.85E-04	1.00E-03	-2.06E-04
2.32E+02	2.63E-04	9.31E-04	-1.95E-04
2.32E+02	2.61E-04	8.47E-04	-2.12E-04

2.32E+02	3.07E-04	7.82E-04	-2.37E-04
2.32E+02	3.08E-04	7.31E-04	-2.56E-04
2.32E+02	2.81E-04	6.71E-04	-3.18E-04
2.32E+02	2.57E-04	6.61E-04	-3.01E-04
2.32E+02	2.20E-04	6.85E-04	-2.42E-04
2.32E+02	1.81E-04	7.16E-04	-2.28E-04
2.32E+02	9.38E-05	7.58E-04	-1.79E-04
2.32E+02	2.35E-05	8.02E-04	-1.14E-04
2.32E+02	6.87E-06	8.67E-04	-2.61E-05
2.32E+02	-3.07E-05	9.22E-04	6.85E-05
2.32E+02	-4.52E-05	9.39E-04	6.41E-05
2.32E+02	-1.16E-05	9.66E-04	7.99E-05
2.32E+02	6.07E-05	1.03E-03	1.45E-04
2.32E+02	1.51E-04	1.06E-03	1.28E-04
2.32E+02	1.87E-04	1.09E-03	1.19E-04
2.32E+02	2.22E-04	1.13E-03	1.21E-04
2.32E+02	2.99E-04	1.16E-03	1.03E-04
2.32E+02	3.18E-04	1.17E-03	7.44E-05
2.32E+02	2.89E-04	1.14E-03	-4.50E-05
2.32E+02	2.66E-04	1.12E-03	-1.25E-04
2.32E+02	2.36E-04	1.11E-03	-1.56E-04
2.32E+02	2.04E-04	1.07E-03	-2.33E-04
2.32E+02	1.42E-04	1.05E-03	-2.25E-04
2.32E+02	8.30E-05	1.05E-03	-1.73E-04
2.32E+02	1.02E-04	1.06E-03	-1.15E-04
2.32E+02	1.31E-04	1.07E-03	-4.41E-05
2.32E+02	1.57E-04	1.04E-03	-7.51E-05
2.32E+02	2.21E-04	1.01E-03	-1.05E-04
2.32E+02	2.90E-04	1.00E-03	-7.34E-05
2.32E+02	3.73E-04	9.94E-04	-7.57E-05
2.32E+02	4.18E-04	9.93E-04	-3.85E-05
2.32E+02	4.06E-04	9.98E-04	2.75E-05
2.32E+02	4.27E-04	1.00E-03	6.92E-05
2.32E+02	4.22E-04	1.01E-03	1.26E-04
2.32E+02	3.69E-04	1.01E-03	1.53E-04
2.32E+02	3.26E-04	1.02E-03	1.95E-04
2.32E+02	2.95E-04	1.06E-03	2.70E-04
2.32E+02	2.99E-04	1.08E-03	2.73E-04
2.32E+02	2.85E-04	1.11E-03	2.83E-04
2.32E+02	2.51E-04	1.12E-03	3.34E-04
2.32E+02	2.69E-04	1.12E-03	3.83E-04
2.32E+02	2.79E-04	1.11E-03	4.53E-04
2.32E+02	2.69E-04	1.06E-03	4.36E-04
2.32E+02	2.75E-04	9.64E-04	3.84E-04
2.32E+02	2.86E-04	8.87E-04	4.07E-04
2.32E+02	3.09E-04	8.20E-04	3.86E-04
2.32E+02	2.83E-04	7.61E-04	3.52E-04

2.32E+02	2.14E-04	7.27E-04	3.38E-04
2.32E+02	1.85E-04	7.16E-04	2.99E-04
2.32E+02	1.50E-04	7.26E-04	2.99E-04
2.32E+02	8.75E-05	7.24E-04	2.65E-04
2.32E+02	4.33E-05	7.10E-04	2.28E-04
2.32E+02	1.68E-05	7.04E-04	2.65E-04
2.32E+02	1.93E-05	6.80E-04	2.33E-04
2.32E+02	2.29E-06	6.27E-04	1.54E-04
2.32E+02	-4.84E-05	5.66E-04	1.02E-04
2.32E+02	-4.33E-05	5.43E-04	1.01E-04
2.32E+02	-5.38E-05	5.36E-04	1.78E-04
2.32E+02	-1.11E-04	4.78E-04	1.93E-04
2.32E+02	-1.25E-04	4.13E-04	1.91E-04
2.32E+02	-1.27E-04	3.69E-04	2.92E-04
2.32E+02	-1.08E-04	3.06E-04	3.56E-04
2.32E+02	-8.60E-05	2.27E-04	3.54E-04
2.32E+02	-1.09E-04	1.60E-04	3.48E-04
2.32E+02	-8.13E-05	1.22E-04	3.19E-04
2.32E+02	-2.94E-05	1.36E-04	3.20E-04
2.32E+02	-3.30E-05	1.49E-04	2.98E-04
2.32E+02	-3.41E-05	1.57E-04	2.34E-04
2.32E+02	-3.59E-05	2.13E-04	2.42E-04
2.32E+02	-4.75E-05	2.55E-04	2.23E-04
2.32E+02	-5.78E-05	2.66E-04	1.60E-04
2.32E+02	-1.15E-04	2.89E-04	1.56E-04
2.32E+02	-1.48E-04	3.05E-04	1.53E-04
2.32E+02	-1.42E-04	3.17E-04	1.69E-04
2.32E+02	-1.78E-04	3.05E-04	1.72E-04
2.32E+02	-2.03E-04	2.52E-04	1.34E-04
2.32E+02	-1.98E-04	2.10E-04	1.69E-04
2.32E+02	-1.81E-04	1.63E-04	1.85E-04
2.32E+02	-1.65E-04	8.83E-05	1.59E-04
2.32E+02	-1.97E-04	2.25E-05	1.58E-04
2.32E+02	-2.12E-04	-4.14E-05	9.84E-05
2.32E+02	-1.84E-04	-7.48E-05	7.71E-05
2.32E+02	-1.74E-04	-8.41E-05	9.69E-05
2.32E+02	-1.73E-04	-1.09E-04	6.69E-05
2.32E+02	-1.60E-04	-1.09E-04	1.05E-04
2.32E+02	-1.34E-04	-1.06E-04	1.40E-04
2.32E+02	-9.29E-05	-1.32E-04	1.28E-04
2.32E+02	-8.66E-05	-1.72E-04	1.71E-04
2.32E+02	-8.34E-05	-2.14E-04	2.02E-04
2.32E+02	-2.50E-05	-2.29E-04	2.42E-04
2.32E+02	-5.72E-07	-2.44E-04	2.71E-04
2.32E+02	8.20E-06	-2.72E-04	2.26E-04
2.32E+02	4.31E-05	-2.85E-04	2.23E-04
2.32E+02	5.95E-05	-3.00E-04	2.29E-04

2.32E+02	7.36E-05	-3.02E-04	2.10E-04
2.32E+02	2.46E-05	-2.91E-04	2.00E-04
2.32E+02	-3.89E-05	-2.95E-04	1.48E-04
2.32E+02	-2.82E-05	-2.64E-04	1.28E-04
2.32E+02	-6.24E-05	-2.34E-04	1.23E-04
2.32E+02	-1.12E-04	-2.41E-04	4.23E-05
2.32E+02	-1.19E-04	-2.15E-04	3.22E-05
2.32E+02	-1.20E-04	-1.91E-04	8.93E-05
2.32E+02	-8.95E-05	-2.07E-04	6.79E-05
2.32E+02	-9.92E-05	-2.37E-04	2.84E-05
2.32E+02	-1.13E-04	-2.78E-04	-7.63E-06
2.32E+02	-6.18E-05	-2.95E-04	-1.74E-05
2.32E+02	-4.83E-05	-2.98E-04	8.39E-06
2.32E+02	-4.44E-05	-3.18E-04	-4.37E-05
2.32E+02	-6.29E-06	-3.25E-04	-4.94E-05
2.32E+02	3.15E-05	-3.07E-04	2.17E-05
2.32E+02	7.40E-05	-3.07E-04	2.17E-05
2.32E+02	7.00E-05	-3.13E-04	3.07E-05
2.32E+02	3.66E-05	-3.06E-04	2.50E-05
2.32E+02	5.30E-05	-2.90E-04	-9.35E-06
2.32E+02	5.57E-05	-2.51E-04	-4.77E-06
2.33E+02	3.68E-05	-2.26E-04	-2.59E-05
2.33E+02	5.23E-05	-1.84E-04	1.41E-05
2.33E+02	6.47E-05	-1.11E-04	1.06E-04
2.33E+02	9.17E-05	-7.42E-05	1.04E-04
2.33E+02	1.01E-04	-4.41E-05	9.84E-05
2.33E+02	7.15E-05	-2.12E-05	1.09E-04
2.33E+02	9.29E-05	-6.10E-06	1.15E-04
2.33E+02	9.80E-05	2.08E-05	1.57E-04
2.33E+02	7.15E-05	-1.14E-06	1.38E-04
2.33E+02	8.09E-05	-2.92E-05	1.33E-04
2.33E+02	8.03E-05	-2.80E-05	2.08E-04
2.33E+02	1.05E-04	-4.46E-05	2.28E-04
2.33E+02	1.20E-04	-6.50E-05	2.29E-04
2.33E+02	9.14E-05	-9.44E-05	1.98E-04
2.33E+02	1.21E-04	-1.16E-04	9.38E-05
2.33E+02	1.51E-04	-1.17E-04	1.93E-05
2.33E+02	1.51E-04	-1.32E-04	-7.11E-05
2.33E+02	1.75E-04	-1.27E-04	-1.29E-04
2.33E+02	1.99E-04	-9.73E-05	-1.05E-04
2.33E+02	2.38E-04	-1.01E-04	-1.40E-04
2.33E+02	2.33E-04	-1.24E-04	-1.82E-04
2.33E+02	1.81E-04	-1.47E-04	-1.75E-04
2.33E+02	1.84E-04	-1.65E-04	-1.49E-04
2.33E+02	1.77E-04	-1.78E-04	-7.53E-05
2.33E+02	1.23E-04	-2.32E-04	-4.62E-05
2.33E+02	8.89E-05	-3.08E-04	-1.81E-05

2.33E+02	5.65E-05	-3.66E-04	9.59E-05
2.33E+02	2.67E-05	-4.34E-04	1.87E-04
2.33E+02	-3.09E-05	-4.97E-04	2.62E-04
2.33E+02	-1.41E-04	-5.62E-04	3.18E-04
2.33E+02	-2.08E-04	-6.09E-04	3.08E-04
2.33E+02	-2.67E-04	-6.01E-04	2.97E-04
2.33E+02	-3.63E-04	-5.97E-04	2.43E-04
2.33E+02	-4.22E-04	-5.75E-04	1.63E-04
2.33E+02	-4.69E-04	-5.28E-04	1.34E-04
2.33E+02	-4.69E-04	-4.96E-04	8.30E-05
2.33E+02	-4.34E-04	-4.67E-04	7.06E-06
2.33E+02	-4.55E-04	-4.64E-04	-6.41E-05
2.33E+02	-4.23E-04	-4.49E-04	-1.24E-04
2.33E+02	-3.65E-04	-4.14E-04	-1.26E-04
2.33E+02	-3.67E-04	-4.14E-04	-1.49E-04
2.33E+02	-3.48E-04	-4.31E-04	-1.96E-04
2.33E+02	-3.21E-04	-4.25E-04	-1.42E-04
2.33E+02	-2.86E-04	-4.21E-04	-6.28E-05
2.33E+02	-2.64E-04	-4.27E-04	-3.24E-06
2.33E+02	-3.07E-04	-4.31E-04	8.05E-05
2.33E+02	-3.07E-04	-4.41E-04	1.34E-04
2.33E+02	-2.80E-04	-4.32E-04	1.76E-04
2.33E+02	-3.02E-04	-4.27E-04	1.82E-04
2.33E+02	-3.19E-04	-4.35E-04	1.32E-04
2.33E+02	-3.39E-04	-4.10E-04	1.35E-04
2.33E+02	-3.66E-04	-3.92E-04	1.26E-04
2.33E+02	-3.98E-04	-4.09E-04	7.65E-05
2.33E+02	-4.82E-04	-4.26E-04	8.85E-05
2.33E+02	-5.62E-04	-4.45E-04	1.08E-04
2.33E+02	-6.13E-04	-4.46E-04	1.43E-04
2.33E+02	-7.11E-04	-4.55E-04	1.41E-04
2.33E+02	-7.92E-04	-4.90E-04	3.57E-05
2.33E+02	-8.10E-04	-4.72E-04	4.58E-06
2.33E+02	-8.04E-04	-4.40E-04	1.24E-05
2.33E+02	-7.68E-04	-4.34E-04	-9.73E-06
2.33E+02	-7.50E-04	-4.20E-04	1.83E-05
2.33E+02	-7.18E-04	-4.17E-04	2.54E-05
2.33E+02	-6.47E-04	-3.99E-04	2.78E-05
2.33E+02	-6.29E-04	-3.84E-04	2.33E-05
2.33E+02	-6.24E-04	-3.86E-04	-3.07E-05
2.33E+02	-6.16E-04	-3.50E-04	-1.77E-05
2.33E+02	-6.12E-04	-3.08E-04	-1.72E-06
2.33E+02	-5.83E-04	-2.81E-04	-6.29E-05
2.33E+02	-6.12E-04	-2.74E-04	-8.77E-05
2.33E+02	-6.54E-04	-2.92E-04	-7.80E-05
2.33E+02	-6.39E-04	-3.02E-04	-2.48E-05
2.33E+02	-6.66E-04	-3.37E-04	3.38E-05

2.33E+02	-7.03E-04	-4.11E-04	-1.98E-05
2.33E+02	-7.05E-04	-4.59E-04	-6.96E-05
2.33E+02	-6.77E-04	-4.69E-04	-7.02E-05
2.33E+02	-6.23E-04	-4.48E-04	-7.51E-05
2.33E+02	-6.15E-04	-4.06E-04	-4.96E-05
2.33E+02	-6.02E-04	-3.77E-04	-4.06E-05
2.33E+02	-5.46E-04	-3.56E-04	-2.48E-05
2.33E+02	-5.37E-04	-3.42E-04	1.91E-05
2.33E+02	-5.53E-04	-3.64E-04	2.65E-05
2.33E+02	-5.67E-04	-3.89E-04	6.26E-05
2.33E+02	-5.75E-04	-4.01E-04	1.12E-04
2.33E+02	-5.72E-04	-4.53E-04	8.16E-05
2.33E+02	-6.11E-04	-5.25E-04	3.70E-05
2.33E+02	-6.62E-04	-5.95E-04	0.00E+00
2.33E+02	-6.70E-04	-6.62E-04	-8.01E-06
2.33E+02	-6.90E-04	-7.13E-04	2.59E-05
2.33E+02	-7.26E-04	-7.75E-04	-2.82E-05
2.33E+02	-7.35E-04	-8.36E-04	-8.45E-05
2.33E+02	-7.21E-04	-8.72E-04	-5.55E-05
2.33E+02	-6.95E-04	-8.99E-04	-5.05E-05
2.33E+02	-6.93E-04	-9.15E-04	-3.87E-05
2.33E+02	-7.14E-04	-9.17E-04	-1.45E-05
2.33E+02	-6.78E-04	-9.00E-04	9.92E-06
2.33E+02	-6.31E-04	-8.68E-04	6.41E-05
2.33E+02	-6.07E-04	-8.55E-04	8.30E-05
2.33E+02	-5.47E-04	-8.35E-04	1.18E-04
2.33E+02	-4.71E-04	-7.92E-04	2.18E-04
2.33E+02	-3.72E-04	-7.64E-04	2.49E-04
2.33E+02	-3.02E-04	-7.44E-04	2.46E-04
2.33E+02	-2.63E-04	-6.93E-04	3.14E-04
2.33E+02	-1.68E-04	-6.10E-04	3.97E-04
2.33E+02	-1.22E-04	-5.33E-04	4.89E-04
2.33E+02	-1.47E-04	-5.00E-04	5.11E-04
2.33E+02	-1.57E-04	-4.93E-04	4.53E-04
2.33E+02	-1.79E-04	-4.75E-04	4.36E-04
2.33E+02	-1.87E-04	-4.57E-04	3.67E-04
2.33E+02	-2.20E-04	-4.45E-04	2.67E-04
2.33E+02	-2.94E-04	-4.46E-04	2.12E-04
2.33E+02	-3.10E-04	-4.67E-04	1.65E-04
2.33E+02	-3.23E-04	-5.01E-04	1.64E-04
2.33E+02	-3.66E-04	-5.79E-04	1.41E-04
2.33E+02	-3.97E-04	-6.61E-04	1.03E-04
2.33E+02	-4.11E-04	-7.06E-04	1.21E-04
2.33E+02	-4.00E-04	-7.61E-04	7.36E-05
2.33E+02	-4.12E-04	-8.04E-04	-9.73E-06
2.33E+02	-4.45E-04	-7.99E-04	-3.17E-05
2.33E+02	-4.26E-04	-7.78E-04	-5.44E-05

2.33E+02	-3.91E-04	-7.29E-04	-3.09E-05
2.33E+02	-3.79E-04	-6.89E-04	-4.58E-06
2.33E+02	-3.51E-04	-6.83E-04	-2.44E-05
2.33E+02	-2.99E-04	-6.60E-04	1.93E-05
2.33E+02	-2.27E-04	-6.39E-04	6.07E-05
2.33E+02	-1.84E-04	-6.27E-04	9.56E-05
2.33E+02	-2.04E-04	-6.20E-04	1.36E-04
2.33E+02	-1.96E-04	-6.19E-04	1.14E-04
2.33E+02	-1.84E-04	-6.02E-04	1.28E-04
2.33E+02	-2.44E-04	-5.94E-04	1.39E-04
2.33E+02	-3.23E-04	-5.90E-04	1.03E-04
2.33E+02	-4.09E-04	-5.56E-04	1.26E-04
2.33E+02	-4.85E-04	-5.38E-04	1.09E-04
2.33E+02	-5.48E-04	-5.46E-04	5.46E-05
2.33E+02	-6.55E-04	-5.66E-04	5.34E-05
2.33E+02	-7.31E-04	-5.99E-04	5.66E-05
2.33E+02	-7.52E-04	-5.99E-04	1.32E-04
2.33E+02	-8.05E-04	-6.16E-04	2.12E-04
2.33E+02	-8.30E-04	-6.84E-04	2.07E-04
2.33E+02	-8.05E-04	-7.22E-04	2.50E-04
2.33E+02	-7.61E-04	-7.58E-04	2.87E-04
2.33E+02	-6.94E-04	-7.94E-04	2.52E-04
2.33E+02	-6.83E-04	-8.24E-04	1.96E-04
2.33E+02	-6.40E-04	-8.58E-04	1.09E-04
2.33E+02	-5.26E-04	-8.53E-04	4.20E-05
2.33E+02	-4.77E-04	-8.75E-04	-3.34E-05
2.33E+02	-4.45E-04	-9.27E-04	-1.46E-04
2.33E+02	-4.12E-04	-9.56E-04	-1.72E-04
2.33E+02	-3.87E-04	-9.95E-04	-1.54E-04
2.33E+02	-3.54E-04	-1.03E-03	-1.57E-04
2.33E+02	-3.87E-04	-1.07E-03	-1.01E-04
2.33E+02	-4.15E-04	-1.08E-03	-1.81E-05
2.33E+02	-4.14E-04	-1.05E-03	7.80E-05
2.33E+02	-4.68E-04	-1.03E-03	1.35E-04
2.33E+02	-5.21E-04	-1.04E-03	8.05E-05
2.33E+02	-5.39E-04	-1.04E-03	7.50E-05
2.33E+02	-5.34E-04	-1.04E-03	1.08E-04
2.33E+02	-5.10E-04	-1.06E-03	9.21E-05
2.33E+02	-5.05E-04	-1.07E-03	1.14E-04
2.33E+02	-4.84E-04	-1.09E-03	1.07E-04
2.33E+02	-4.07E-04	-1.09E-03	8.79E-05
2.33E+02	-3.31E-04	-1.07E-03	1.07E-04
2.33E+02	-2.71E-04	-1.06E-03	7.02E-05
2.33E+02	-2.02E-04	-1.01E-03	7.27E-05
2.33E+02	-1.16E-04	-9.50E-04	1.02E-04
2.33E+02	-8.77E-06	-9.08E-04	4.81E-05
2.33E+02	5.11E-05	-8.75E-04	-9.54E-07

2.33E+02	8.95E-05	-8.69E-04	-5.32E-05
2.33E+02	1.76E-04	-8.54E-04	-8.45E-05
2.33E+02	2.10E-04	-8.75E-04	-9.16E-05
2.33E+02	2.03E-04	-9.68E-04	-1.91E-04
2.33E+02	2.06E-04	-1.06E-03	-2.39E-04
2.33E+02	1.92E-04	-1.13E-03	-2.17E-04
2.33E+02	1.84E-04	-1.20E-03	-2.43E-04
2.33E+02	1.22E-04	-1.25E-03	-2.42E-04
2.33E+02	4.96E-05	-1.28E-03	-2.51E-04
2.33E+02	5.26E-05	-1.28E-03	-2.51E-04
2.33E+02	3.53E-05	-1.25E-03	-1.98E-04
2.33E+02	6.10E-06	-1.25E-03	-1.88E-04
2.33E+02	2.29E-06	-1.25E-03	-1.34E-04
2.33E+02	0.00E+00	-1.25E-03	-3.57E-05
2.33E+02	3.24E-05	-1.28E-03	-4.46E-05
2.33E+02	3.66E-05	-1.30E-03	-9.63E-05
2.33E+02	1.22E-05	-1.31E-03	-1.52E-04
2.33E+02	5.44E-05	-1.28E-03	-2.10E-04
2.33E+02	9.42E-05	-1.20E-03	-2.21E-04
2.33E+02	1.13E-04	-1.16E-03	-2.86E-04
2.33E+02	1.55E-04	-1.12E-03	-3.52E-04
2.33E+02	1.86E-04	-1.07E-03	-3.26E-04
2.33E+02	2.04E-04	-1.06E-03	-3.21E-04
2.33E+02	1.65E-04	-1.05E-03	-3.11E-04
2.33E+02	7.72E-05	-1.06E-03	-2.83E-04
2.33E+02	2.67E-05	-1.07E-03	-2.75E-04
2.33E+02	-3.55E-05	-1.06E-03	-2.39E-04
2.33E+02	-1.36E-04	-1.05E-03	-2.63E-04
2.33E+02	-2.08E-04	-1.01E-03	-3.02E-04
2.33E+02	-2.41E-04	-9.50E-04	-2.79E-04
2.33E+02	-2.17E-04	-9.07E-04	-3.11E-04
2.33E+02	-1.57E-04	-8.62E-04	-3.35E-04
2.33E+02	-1.07E-04	-8.39E-04	-3.03E-04
2.34E+02	-1.34E-06	-8.08E-04	-2.54E-04
2.34E+02	1.15E-04	-7.71E-04	-1.77E-04
2.34E+02	1.69E-04	-8.08E-04	-1.79E-04
2.34E+02	2.28E-04	-8.62E-04	-2.13E-04
2.34E+02	2.85E-04	-8.92E-04	-1.59E-04
2.34E+02	3.18E-04	-9.11E-04	-1.07E-04
2.34E+02	3.20E-04	-9.12E-04	-8.43E-05
2.34E+02	2.68E-04	-9.18E-04	-9.27E-05
2.34E+02	2.40E-04	-8.83E-04	-1.26E-04
2.34E+02	2.25E-04	-7.85E-04	-9.86E-05
2.34E+02	1.73E-04	-7.20E-04	-1.28E-04
2.34E+02	1.27E-04	-6.90E-04	-2.22E-04
2.34E+02	7.99E-05	-6.39E-04	-2.37E-04
2.34E+02	6.52E-05	-6.22E-04	-2.68E-04

2.34E+02	5.74E-05	-6.63E-04	-3.04E-04
2.34E+02	-7.44E-06	-7.35E-04	-2.70E-04
2.34E+02	-4.02E-05	-8.35E-04	-2.23E-04
2.34E+02	-5.68E-05	-9.41E-04	-1.61E-04
2.34E+02	-1.24E-04	-1.06E-03	-1.56E-04
2.34E+02	-1.89E-04	-1.21E-03	-2.20E-04
2.34E+02	-2.30E-04	-1.30E-03	-2.16E-04
2.34E+02	-2.35E-04	-1.32E-03	-2.02E-04
2.34E+02	-2.30E-04	-1.30E-03	-2.23E-04
2.34E+02	-2.60E-04	-1.26E-03	-2.19E-04
2.34E+02	-2.46E-04	-1.20E-03	-2.26E-04
2.34E+02	-1.88E-04	-1.11E-03	-2.08E-04
2.34E+02	-1.61E-04	-1.04E-03	-1.92E-04
2.34E+02	-1.27E-04	-9.78E-04	-2.22E-04
2.34E+02	-8.54E-05	-8.86E-04	-1.94E-04
2.34E+02	-3.20E-05	-8.10E-04	-1.83E-04
2.34E+02	3.45E-05	-7.68E-04	-2.30E-04
2.34E+02	3.30E-05	-7.26E-04	-2.35E-04
2.34E+02	3.32E-05	-6.87E-04	-2.35E-04
2.34E+02	6.03E-05	-6.28E-04	-2.27E-04
2.34E+02	2.50E-05	-5.96E-04	-2.63E-04
2.34E+02	-9.16E-06	-6.06E-04	-3.81E-04
2.34E+02	-1.35E-05	-5.79E-04	-4.23E-04
2.34E+02	3.24E-06	-5.34E-04	-4.10E-04
2.34E+02	3.97E-05	-4.95E-04	-4.02E-04
2.34E+02	3.51E-05	-4.39E-04	-3.56E-04
2.34E+02	6.01E-05	-3.84E-04	-3.38E-04
2.34E+02	1.44E-04	-3.24E-04	-3.32E-04
2.34E+02	2.05E-04	-2.82E-04	-3.37E-04
2.34E+02	2.80E-04	-2.91E-04	-3.91E-04
2.34E+02	3.82E-04	-2.95E-04	-3.69E-04
2.34E+02	4.94E-04	-3.04E-04	-3.10E-04
2.34E+02	6.07E-04	-3.50E-04	-3.32E-04
2.34E+02	6.46E-04	-4.03E-04	-3.63E-04
2.34E+02	6.65E-04	-4.63E-04	-3.99E-04
2.34E+02	7.11E-04	-5.09E-04	-4.38E-04
2.34E+02	6.96E-04	-5.52E-04	-4.75E-04
2.34E+02	6.50E-04	-6.24E-04	-5.80E-04
2.34E+02	6.28E-04	-6.55E-04	-6.47E-04
2.34E+02	6.24E-04	-6.35E-04	-6.29E-04
2.34E+02	6.38E-04	-6.05E-04	-6.17E-04
2.34E+02	6.17E-04	-5.62E-04	-5.70E-04
2.34E+02	5.96E-04	-5.17E-04	-5.02E-04
2.34E+02	6.30E-04	-4.65E-04	-4.39E-04
2.34E+02	6.32E-04	-4.25E-04	-3.65E-04
2.34E+02	6.03E-04	-4.19E-04	-3.63E-04
2.34E+02	5.96E-04	-3.86E-04	-3.65E-04

2.34E+02	5.85E-04	-3.29E-04	-3.22E-04
2.34E+02	5.82E-04	-3.00E-04	-3.19E-04
2.34E+02	5.53E-04	-2.94E-04	-2.96E-04
2.34E+02	5.08E-04	-2.98E-04	-2.37E-04
2.34E+02	5.16E-04	-2.94E-04	-1.80E-04
2.34E+02	5.06E-04	-2.80E-04	-1.42E-04
2.34E+02	4.80E-04	-2.98E-04	-1.99E-04
2.34E+02	4.74E-04	-3.23E-04	-2.73E-04
2.34E+02	4.70E-04	-3.07E-04	-2.68E-04
2.34E+02	4.87E-04	-2.84E-04	-2.73E-04
2.34E+02	4.54E-04	-2.69E-04	-2.90E-04
2.34E+02	3.78E-04	-2.46E-04	-2.86E-04
2.34E+02	3.54E-04	-2.01E-04	-2.66E-04
2.34E+02	3.31E-04	-1.53E-04	-1.99E-04
2.34E+02	2.85E-04	-1.62E-04	-1.58E-04
2.34E+02	2.55E-04	-1.87E-04	-1.17E-04
2.34E+02	2.42E-04	-1.87E-04	-4.20E-05
2.34E+02	2.57E-04	-2.02E-04	-4.31E-05
2.34E+02	2.60E-04	-2.11E-04	-7.11E-05
2.34E+02	2.47E-04	-2.08E-04	-7.00E-05
2.34E+02	2.96E-04	-1.85E-04	-3.20E-05
2.34E+02	3.52E-04	-1.53E-04	4.86E-05
2.34E+02	3.59E-04	-1.86E-04	4.84E-05
2.34E+02	3.67E-04	-2.43E-04	2.02E-05
2.34E+02	3.85E-04	-2.82E-04	5.47E-05
2.34E+02	4.07E-04	-3.27E-04	6.71E-05
2.34E+02	3.99E-04	-3.55E-04	8.47E-05
2.34E+02	3.36E-04	-3.79E-04	9.06E-05
2.34E+02	3.08E-04	-3.79E-04	5.02E-05
2.34E+02	2.86E-04	-3.40E-04	4.25E-05
2.34E+02	2.20E-04	-3.10E-04	1.30E-05
2.34E+02	1.91E-04	-2.59E-04	-3.81E-07
2.34E+02	1.76E-04	-1.97E-04	6.73E-05
2.34E+02	1.90E-04	-1.67E-04	1.02E-04
2.34E+02	2.30E-04	-1.40E-04	1.40E-04
2.34E+02	2.41E-04	-1.32E-04	2.02E-04
2.34E+02	2.95E-04	-1.21E-04	2.37E-04
2.34E+02	3.73E-04	-8.41E-05	2.63E-04
2.34E+02	4.17E-04	-8.22E-05	2.21E-04
2.34E+02	4.64E-04	-7.84E-05	1.64E-04
2.34E+02	5.31E-04	-6.73E-05	1.73E-04
2.34E+02	6.05E-04	-1.01E-04	1.72E-04
2.34E+02	6.44E-04	-1.34E-04	1.90E-04
2.34E+02	6.31E-04	-1.83E-04	2.24E-04
2.34E+02	6.37E-04	-2.58E-04	2.36E-04
2.34E+02	6.55E-04	-2.99E-04	2.87E-04
2.34E+02	6.33E-04	-3.42E-04	2.95E-04

2.34E+02	6.12E-04	-3.92E-04	2.44E-04
2.34E+02	6.10E-04	-3.86E-04	2.62E-04
2.34E+02	6.36E-04	-3.63E-04	2.53E-04
2.34E+02	6.77E-04	-3.38E-04	1.92E-04
2.34E+02	6.81E-04	-2.93E-04	1.77E-04
2.34E+02	7.04E-04	-2.46E-04	1.85E-04
2.34E+02	7.43E-04	-1.89E-04	2.48E-04
2.34E+02	7.19E-04	-1.63E-04	3.09E-04
2.34E+02	6.71E-04	-1.91E-04	2.80E-04
2.34E+02	6.28E-04	-2.03E-04	2.84E-04
2.34E+02	5.82E-04	-2.06E-04	3.23E-04
2.34E+02	5.38E-04	-2.24E-04	3.30E-04
2.34E+02	4.85E-04	-2.27E-04	3.50E-04
2.34E+02	4.73E-04	-2.37E-04	3.27E-04
2.34E+02	5.30E-04	-2.13E-04	2.96E-04
2.34E+02	5.98E-04	-1.75E-04	2.80E-04
2.34E+02	6.71E-04	-1.96E-04	1.92E-04
2.34E+02	7.66E-04	-1.89E-04	1.44E-04
2.34E+02	8.67E-04	-1.73E-04	1.19E-04
2.34E+02	9.67E-04	-1.89E-04	2.54E-05
2.34E+02	1.02E-03	-1.97E-04	-1.79E-05
2.34E+02	1.04E-03	-1.86E-04	-3.43E-06
2.34E+02	1.08E-03	-1.25E-04	6.75E-05
2.34E+02	1.06E-03	-5.63E-05	1.47E-04
2.34E+02	9.97E-04	-1.37E-05	1.35E-04
2.34E+02	9.38E-04	4.39E-05	1.50E-04
2.34E+02	8.79E-04	1.09E-04	1.89E-04
2.34E+02	8.39E-04	1.70E-04	1.67E-04
2.34E+02	7.58E-04	2.17E-04	1.61E-04
2.34E+02	6.75E-04	2.53E-04	1.53E-04
2.34E+02	6.70E-04	3.05E-04	1.54E-04
2.34E+02	6.38E-04	3.36E-04	1.77E-04
2.34E+02	5.93E-04	3.26E-04	1.60E-04
2.34E+02	5.70E-04	3.33E-04	1.95E-04
2.34E+02	5.47E-04	3.34E-04	2.32E-04
2.34E+02	5.54E-04	3.09E-04	1.87E-04
2.34E+02	5.29E-04	2.86E-04	1.70E-04
2.34E+02	4.96E-04	2.60E-04	1.70E-04
2.34E+02	5.30E-04	2.69E-04	1.85E-04
2.34E+02	5.48E-04	2.87E-04	2.15E-04
2.34E+02	5.48E-04	2.65E-04	1.59E-04
2.34E+02	5.72E-04	2.52E-04	1.08E-04
2.34E+02	6.10E-04	2.53E-04	9.88E-05
2.34E+02	6.68E-04	2.52E-04	4.75E-05
2.34E+02	6.83E-04	2.42E-04	2.48E-06
2.34E+02	6.72E-04	2.19E-04	-3.26E-05
2.34E+02	6.97E-04	2.20E-04	-3.89E-05

2.34E+02	6.93E-04	2.31E-04	4.23E-05
2.34E+02	6.40E-04	2.19E-04	1.26E-04
2.34E+02	5.81E-04	2.12E-04	2.05E-04
2.34E+02	5.28E-04	2.15E-04	3.12E-04
2.34E+02	4.75E-04	1.99E-04	3.42E-04
2.34E+02	3.90E-04	1.86E-04	3.31E-04
2.34E+02	2.94E-04	1.85E-04	3.38E-04
2.34E+02	2.41E-04	2.00E-04	3.24E-04
2.34E+02	1.86E-04	2.32E-04	3.42E-04
2.34E+02	1.10E-04	2.35E-04	3.27E-04
2.34E+02	6.37E-05	2.18E-04	2.63E-04
2.34E+02	5.78E-05	2.16E-04	2.46E-04
2.34E+02	8.70E-05	2.12E-04	2.13E-04
2.34E+02	9.69E-05	2.07E-04	1.84E-04
2.34E+02	9.35E-05	2.07E-04	2.02E-04
2.34E+02	1.53E-04	2.17E-04	2.12E-04
2.34E+02	2.12E-04	2.41E-04	2.39E-04
2.34E+02	2.06E-04	2.40E-04	2.33E-04
2.34E+02	1.95E-04	2.32E-04	2.00E-04
2.34E+02	1.77E-04	2.50E-04	2.16E-04
2.34E+02	1.53E-04	2.70E-04	1.83E-04
2.34E+02	1.16E-04	3.00E-04	1.25E-04
2.34E+02	3.62E-06	3.22E-04	1.14E-04
2.34E+02	-7.84E-05	3.58E-04	1.23E-04
2.34E+02	-1.25E-04	4.35E-04	1.64E-04
2.34E+02	-2.22E-04	4.88E-04	1.50E-04
2.34E+02	-2.72E-04	5.45E-04	1.21E-04
2.34E+02	-2.78E-04	6.35E-04	2.08E-04
2.34E+02	-2.53E-04	7.10E-04	3.07E-04
2.34E+02	-2.07E-04	7.65E-04	3.98E-04
2.34E+02	-2.02E-04	7.94E-04	4.72E-04
2.34E+02	-1.51E-04	8.12E-04	4.77E-04
2.34E+02	-8.22E-05	8.44E-04	5.00E-04
2.34E+02	-6.68E-05	8.48E-04	4.82E-04
2.34E+02	-5.38E-05	8.34E-04	4.39E-04
2.34E+02	-6.73E-05	8.29E-04	4.60E-04
2.34E+02	-8.14E-05	7.90E-04	4.12E-04
2.34E+02	-1.01E-04	7.36E-04	3.41E-04
2.34E+02	-1.82E-04	6.85E-04	3.34E-04
2.34E+02	-2.17E-04	6.34E-04	3.08E-04
2.34E+02	-2.09E-04	6.18E-04	3.02E-04
2.34E+02	-2.42E-04	5.92E-04	2.78E-04
2.34E+02	-2.57E-04	5.44E-04	2.20E-04
2.34E+02	-2.40E-04	5.22E-04	2.38E-04
2.34E+02	-1.95E-04	5.08E-04	2.84E-04
2.35E+02	-1.38E-04	4.99E-04	3.36E-04
2.35E+02	-1.35E-04	4.98E-04	4.03E-04

2.35E+02	-1.18E-04	5.07E-04	4.18E-04
2.35E+02	-5.57E-05	5.48E-04	4.31E-04
2.35E+02	-3.60E-05	5.87E-04	4.47E-04
2.35E+02	-3.91E-05	6.16E-04	4.06E-04
2.35E+02	-2.25E-05	6.61E-04	3.84E-04
2.35E+02	9.92E-06	7.15E-04	3.72E-04
2.35E+02	3.59E-05	7.63E-04	3.05E-04
2.35E+02	2.48E-06	7.96E-04	2.60E-04
2.35E+02	-3.55E-05	8.27E-04	2.45E-04
2.35E+02	-4.27E-05	8.93E-04	2.70E-04
2.35E+02	-9.77E-05	9.41E-04	3.01E-04
2.35E+02	-1.75E-04	9.43E-04	2.44E-04
2.35E+02	-2.27E-04	9.67E-04	2.19E-04
2.35E+02	-2.54E-04	1.00E-03	2.47E-04
2.35E+02	-2.58E-04	1.03E-03	2.48E-04
2.35E+02	-2.94E-04	1.06E-03	2.81E-04
2.35E+02	-3.28E-04	1.07E-03	2.95E-04
2.35E+02	-3.02E-04	1.09E-03	2.76E-04
2.35E+02	-3.12E-04	1.09E-03	2.54E-04
2.35E+02	-3.54E-04	1.03E-03	1.69E-04
2.35E+02	-3.71E-04	9.86E-04	1.16E-04
2.35E+02	-3.78E-04	9.70E-04	1.37E-04
2.35E+02	-3.55E-04	9.63E-04	1.15E-04
2.35E+02	-3.64E-04	9.57E-04	1.05E-04
2.35E+02	-3.86E-04	9.63E-04	1.42E-04
2.35E+02	-3.58E-04	9.92E-04	1.74E-04
2.35E+02	-3.52E-04	1.02E-03	1.75E-04
2.35E+02	-3.54E-04	1.01E-03	7.13E-05
2.35E+02	-3.41E-04	9.93E-04	-3.55E-05
2.35E+02	-3.20E-04	9.92E-04	-8.05E-05
2.35E+02	-2.89E-04	9.77E-04	-1.59E-04
2.35E+02	-3.14E-04	9.58E-04	-1.97E-04
2.35E+02	-3.63E-04	9.28E-04	-1.96E-04
2.35E+02	-3.58E-04	9.09E-04	-1.75E-04
2.35E+02	-3.60E-04	9.10E-04	-1.10E-04
2.35E+02	-3.74E-04	8.85E-04	-9.40E-05
2.35E+02	-3.55E-04	8.93E-04	-4.69E-05
2.35E+02	-3.24E-04	9.32E-04	4.41E-05
2.35E+02	-2.47E-04	9.58E-04	6.62E-05
2.35E+02	-1.90E-04	9.95E-04	1.14E-04
2.35E+02	-1.76E-04	1.04E-03	2.00E-04
2.35E+02	-9.78E-05	1.10E-03	2.71E-04
2.35E+02	-3.32E-05	1.16E-03	3.49E-04
2.35E+02	-1.89E-05	1.17E-03	3.44E-04
2.35E+02	-6.29E-06	1.18E-03	2.75E-04
2.35E+02	-5.34E-06	1.19E-03	2.53E-04
2.35E+02	1.91E-05	1.23E-03	2.29E-04

2.35E+02	-9.54E-07	1.27E-03	1.88E-04
2.35E+02	-7.25E-05	1.32E-03	1.31E-04
2.35E+02	-7.93E-05	1.38E-03	6.43E-05
2.35E+02	-8.16E-05	1.44E-03	6.60E-05
2.35E+02	-1.26E-04	1.45E-03	5.86E-05
2.35E+02	-1.59E-04	1.43E-03	3.07E-05
2.35E+02	-1.86E-04	1.40E-03	4.27E-05
2.35E+02	-1.87E-04	1.36E-03	1.03E-05
2.35E+02	-1.93E-04	1.29E-03	-1.66E-05
2.35E+02	-2.24E-04	1.24E-03	-1.01E-05
2.35E+02	-2.01E-04	1.21E-03	6.87E-06
2.35E+02	-1.80E-04	1.21E-03	8.03E-05
2.35E+02	-2.18E-04	1.19E-03	9.44E-05
2.35E+02	-2.48E-04	1.16E-03	6.18E-05
2.35E+02	-2.67E-04	1.18E-03	9.77E-05
2.35E+02	-2.66E-04	1.21E-03	1.20E-04
2.35E+02	-2.70E-04	1.24E-03	1.32E-04
2.35E+02	-3.21E-04	1.26E-03	1.84E-04
2.35E+02	-3.31E-04	1.29E-03	2.12E-04
2.35E+02	-3.12E-04	1.33E-03	2.18E-04
2.35E+02	-3.37E-04	1.34E-03	1.85E-04
2.35E+02	-3.54E-04	1.32E-03	1.19E-04
2.35E+02	-3.56E-04	1.32E-03	1.22E-04
2.35E+02	-3.35E-04	1.32E-03	1.24E-04
2.35E+02	-3.03E-04	1.30E-03	8.49E-05
2.35E+02	-3.09E-04	1.27E-03	9.44E-05
2.35E+02	-2.89E-04	1.24E-03	1.37E-04
2.35E+02	-2.50E-04	1.23E-03	2.19E-04
2.35E+02	-2.61E-04	1.19E-03	2.45E-04
2.35E+02	-2.79E-04	1.11E-03	1.74E-04
2.35E+02	-2.86E-04	1.08E-03	1.81E-04
2.35E+02	-2.89E-04	1.08E-03	2.00E-04
2.35E+02	-2.85E-04	1.07E-03	1.73E-04
2.35E+02	-3.25E-04	1.10E-03	1.74E-04
2.35E+02	-3.56E-04	1.14E-03	1.27E-04
2.35E+02	-3.39E-04	1.19E-03	7.21E-05
2.35E+02	-3.63E-04	1.21E-03	1.85E-05
2.35E+02	-3.84E-04	1.21E-03	-6.43E-05
2.35E+02	-3.81E-04	1.22E-03	-8.62E-05
2.35E+02	-3.59E-04	1.21E-03	-9.99E-05
2.35E+02	-2.82E-04	1.19E-03	-1.07E-04
2.35E+02	-2.57E-04	1.14E-03	-6.10E-05
2.35E+02	-2.25E-04	1.08E-03	-3.07E-05
2.35E+02	-1.34E-04	1.05E-03	1.66E-05
2.35E+02	-1.13E-04	1.04E-03	3.83E-05
2.35E+02	-1.11E-04	9.91E-04	-2.71E-05
2.35E+02	-1.05E-04	9.66E-04	-6.79E-05

2.35E+02	-1.04E-04	9.59E-04	-9.25E-05
2.35E+02	-9.59E-05	9.61E-04	-1.34E-04
2.35E+02	-1.60E-04	9.56E-04	-1.52E-04
2.35E+02	-2.31E-04	9.27E-04	-1.92E-04
2.35E+02	-2.58E-04	9.22E-04	-2.21E-04
2.35E+02	-3.27E-04	9.06E-04	-2.37E-04
2.35E+02	-4.15E-04	8.57E-04	-2.90E-04
2.35E+02	-4.91E-04	8.46E-04	-2.65E-04
2.35E+02	-5.46E-04	8.48E-04	-1.87E-04
2.35E+02	-5.76E-04	8.27E-04	-1.76E-04
2.35E+02	-6.32E-04	8.12E-04	-1.65E-04
2.35E+02	-6.72E-04	8.05E-04	-1.47E-04
2.35E+02	-6.52E-04	8.24E-04	-1.23E-04
2.35E+02	-6.41E-04	8.46E-04	-7.80E-05
2.35E+02	-6.67E-04	8.10E-04	-1.18E-04
2.35E+02	-6.84E-04	7.83E-04	-1.42E-04
2.35E+02	-6.56E-04	8.04E-04	-7.86E-05
2.35E+02	-6.38E-04	8.14E-04	-7.06E-05
2.35E+02	-6.84E-04	8.12E-04	-9.19E-05
2.35E+02	-7.33E-04	8.20E-04	-1.22E-04
2.35E+02	-7.56E-04	8.40E-04	-1.59E-04
2.35E+02	-8.11E-04	8.55E-04	-1.71E-04
2.35E+02	-8.94E-04	8.40E-04	-2.42E-04
2.35E+02	-9.66E-04	8.23E-04	-2.89E-04
2.35E+02	-1.02E-03	8.21E-04	-2.71E-04
2.35E+02	-1.07E-03	8.09E-04	-3.13E-04
2.35E+02	-1.14E-03	7.79E-04	-3.62E-04
2.35E+02	-1.20E-03	7.56E-04	-3.90E-04
2.35E+02	-1.22E-03	7.57E-04	-3.98E-04
2.35E+02	-1.24E-03	7.67E-04	-3.67E-04
2.35E+02	-1.27E-03	7.41E-04	-3.85E-04
2.35E+02	-1.25E-03	7.14E-04	-3.62E-04
2.35E+02	-1.19E-03	7.16E-04	-2.48E-04
2.35E+02	-1.10E-03	7.02E-04	-1.81E-04
2.35E+02	-1.02E-03	6.87E-04	-1.21E-04
2.35E+02	-9.67E-04	6.87E-04	-5.42E-05
2.35E+02	-8.71E-04	6.99E-04	-9.54E-06
2.35E+02	-7.97E-04	7.15E-04	4.25E-05
2.35E+02	-7.62E-04	7.07E-04	5.21E-05
2.35E+02	-7.27E-04	7.00E-04	6.07E-05
2.35E+02	-7.11E-04	6.98E-04	1.07E-04
2.35E+02	-6.80E-04	6.65E-04	9.27E-05
2.35E+02	-6.75E-04	6.19E-04	3.22E-05
2.35E+02	-7.12E-04	5.81E-04	-1.30E-05
2.35E+02	-6.96E-04	5.65E-04	-4.71E-05
2.35E+02	-6.71E-04	5.93E-04	-3.74E-05
2.35E+02	-6.78E-04	6.05E-04	-5.89E-05

2.35E+02	-6.52E-04	5.96E-04	-1.20E-04
2.35E+02	-6.02E-04	6.23E-04	-1.19E-04
2.35E+02	-5.45E-04	6.39E-04	-1.32E-04
2.35E+02	-4.96E-04	6.36E-04	-1.43E-04
2.35E+02	-4.75E-04	6.44E-04	-9.73E-05
2.35E+02	-4.23E-04	6.48E-04	-7.42E-05
2.35E+02	-3.46E-04	6.67E-04	-3.45E-05
2.35E+02	-3.02E-04	6.77E-04	-1.53E-05
2.35E+02	-2.73E-04	6.54E-04	-6.28E-05
2.35E+02	-2.41E-04	6.62E-04	-8.89E-05
2.35E+02	-1.81E-04	6.76E-04	-1.57E-04
2.35E+02	-1.25E-04	6.65E-04	-2.61E-04
2.35E+02	-1.31E-04	6.57E-04	-3.03E-04
2.35E+02	-1.07E-04	6.51E-04	-3.07E-04
2.35E+02	-5.93E-05	6.69E-04	-2.43E-04
2.35E+02	-7.50E-05	6.61E-04	-1.94E-04
2.35E+02	-9.06E-05	6.19E-04	-2.15E-04
2.35E+02	-9.27E-05	6.00E-04	-1.70E-04
2.35E+02	-8.72E-05	5.78E-04	-1.34E-04
2.35E+02	-8.62E-05	5.47E-04	-1.74E-04
2.35E+02	-1.41E-04	5.03E-04	-2.28E-04
2.35E+02	-1.74E-04	4.43E-04	-3.15E-04
2.35E+02	-1.70E-04	3.87E-04	-3.73E-04
2.35E+02	-2.01E-04	3.01E-04	-4.00E-04
2.35E+02	-2.40E-04	2.00E-04	-4.37E-04
2.35E+02	-2.69E-04	1.29E-04	-3.72E-04
2.35E+02	-2.94E-04	7.06E-05	-2.76E-04
2.35E+02	-3.25E-04	1.64E-05	-2.46E-04
2.35E+02	-3.94E-04	-1.98E-05	-1.98E-04
2.35E+02	-4.47E-04	-1.95E-05	-1.55E-04
2.35E+02	-4.56E-04	2.90E-05	-9.57E-05
2.35E+02	-4.88E-04	6.81E-05	-5.89E-05
2.35E+02	-5.23E-04	7.04E-05	-1.41E-04
2.35E+02	-5.21E-04	8.45E-05	-2.12E-04
2.35E+02	-4.88E-04	1.03E-04	-2.76E-04
2.35E+02	-4.45E-04	1.00E-04	-3.73E-04
2.35E+02	-4.50E-04	9.27E-05	-4.21E-04
2.35E+02	-4.49E-04	8.13E-05	-4.48E-04
2.35E+02	-4.07E-04	8.56E-05	-4.07E-04
2.35E+02	-4.04E-04	7.57E-05	-3.11E-04
2.35E+02	-4.27E-04	1.14E-05	-2.52E-04
2.35E+02	-4.42E-04	-4.06E-05	-1.47E-04
2.35E+02	-4.49E-04	-8.26E-05	-5.76E-05
2.35E+02	-4.32E-04	-1.38E-04	-8.56E-05
2.35E+02	-4.34E-04	-1.75E-04	-1.29E-04
2.35E+02	-4.46E-04	-1.98E-04	-2.16E-04
2.35E+02	-3.95E-04	-1.63E-04	-3.05E-04

2.35E+02	-3.59E-04	-1.01E-04	-3.25E-04
2.35E+02	-3.52E-04	-9.65E-05	-3.63E-04
2.35E+02	-3.19E-04	-1.01E-04	-3.10E-04
2.35E+02	-2.93E-04	-1.06E-04	-1.88E-04
2.35E+02	-2.61E-04	-1.45E-04	-1.46E-04
2.35E+02	-2.79E-04	-1.83E-04	-1.31E-04
2.35E+02	-3.25E-04	-2.13E-04	-1.45E-04
2.35E+02	-3.11E-04	-2.06E-04	-1.70E-04
2.35E+02	-3.17E-04	-1.62E-04	-1.78E-04
2.35E+02	-3.45E-04	-1.20E-04	-2.20E-04
2.36E+02	-3.58E-04	-5.40E-05	-2.00E-04
2.36E+02	-3.67E-04	1.34E-05	-1.43E-04
2.36E+02	-3.46E-04	5.00E-05	-1.62E-04
2.36E+02	-3.50E-04	7.42E-05	-1.71E-04
2.36E+02	-3.70E-04	9.27E-05	-1.88E-04
2.36E+02	-3.12E-04	1.62E-04	-1.90E-04
2.36E+02	-2.57E-04	2.52E-04	-1.42E-04
2.36E+02	-2.28E-04	2.86E-04	-1.64E-04
2.36E+02	-1.60E-04	3.10E-04	-1.59E-04
2.36E+02	-1.06E-04	3.18E-04	-9.50E-05
2.36E+02	-5.47E-05	2.68E-04	-9.80E-05
2.36E+02	-4.81E-05	2.04E-04	-9.35E-05
2.36E+02	-8.26E-05	1.20E-04	-9.82E-05
2.36E+02	-5.38E-05	3.22E-05	-1.50E-04
2.36E+02	-4.08E-05	-2.31E-05	-1.60E-04
2.36E+02	-6.56E-05	-9.04E-05	-1.97E-04
2.36E+02	-6.18E-05	-1.37E-04	-2.15E-04
2.36E+02	-4.75E-05	-1.27E-04	-1.31E-04
2.36E+02	1.43E-05	-1.18E-04	-8.39E-05
2.36E+02	8.68E-05	-1.11E-04	-4.98E-05
2.36E+02	1.25E-04	-1.12E-04	6.68E-06
2.36E+02	2.14E-04	-1.13E-04	5.02E-05
2.36E+02	3.03E-04	-1.02E-04	1.14E-04
2.36E+02	3.20E-04	-1.28E-04	9.67E-05
2.36E+02	3.14E-04	-1.68E-04	3.70E-05
2.36E+02	2.74E-04	-1.83E-04	5.09E-05
2.36E+02	2.27E-04	-1.96E-04	4.43E-05
2.36E+02	1.53E-04	-2.06E-04	2.75E-05
2.36E+02	3.38E-05	-2.04E-04	1.93E-05
2.36E+02	-1.96E-05	-1.91E-04	-3.26E-05
2.36E+02	-2.84E-05	-1.63E-04	-5.49E-05
2.36E+02	-4.81E-05	-1.50E-04	-8.60E-05
2.36E+02	-2.99E-05	-1.48E-04	-1.19E-04
2.36E+02	1.68E-05	-1.30E-04	-5.21E-05
2.36E+02	9.08E-05	-1.36E-04	-2.42E-05
2.36E+02	1.57E-04	-1.74E-04	-6.92E-05
2.36E+02	1.63E-04	-2.09E-04	-1.14E-04

2.36E+02	1.90E-04	-2.24E-04	-1.83E-04
2.36E+02	2.33E-04	-1.97E-04	-2.08E-04
2.36E+02	2.06E-04	-1.81E-04	-2.59E-04
2.36E+02	1.65E-04	-1.88E-04	-3.20E-04
2.36E+02	1.09E-04	-1.73E-04	-2.46E-04
2.36E+02	3.72E-05	-1.79E-04	-1.79E-04
2.36E+02	-4.01E-05	-2.12E-04	-1.43E-04
2.36E+02	-1.72E-04	-2.53E-04	-8.32E-05
2.36E+02	-2.54E-04	-3.02E-04	-6.73E-05
2.36E+02	-2.68E-04	-3.21E-04	-1.79E-05
2.36E+02	-2.99E-04	-3.43E-04	3.81E-05
2.36E+02	-3.03E-04	-3.80E-04	4.71E-05
2.36E+02	-2.90E-04	-3.81E-04	1.10E-04
2.36E+02	-2.59E-04	-4.02E-04	1.45E-04
2.36E+02	-2.18E-04	-4.61E-04	1.17E-04
2.36E+02	-2.23E-04	-4.99E-04	1.16E-04
2.36E+02	-2.16E-04	-5.36E-04	8.49E-05
2.36E+02	-1.70E-04	-5.35E-04	6.79E-05
2.36E+02	-1.43E-04	-5.10E-04	2.54E-05
2.36E+02	-1.28E-04	-5.20E-04	-1.29E-04
2.36E+02	-9.67E-05	-5.02E-04	-2.00E-04
2.36E+02	-3.28E-05	-4.67E-04	-1.88E-04
2.36E+02	3.64E-05	-4.52E-04	-1.52E-04
2.36E+02	4.71E-05	-4.44E-04	-5.99E-05
2.36E+02	6.75E-05	-4.41E-04	-1.85E-05
2.36E+02	1.22E-04	-4.11E-04	-1.72E-06
2.36E+02	1.43E-04	-3.72E-04	-1.62E-05
2.36E+02	1.58E-04	-3.16E-04	-9.94E-05
2.36E+02	1.87E-04	-1.95E-04	-1.08E-04
2.36E+02	2.41E-04	-4.58E-05	-9.71E-05
2.36E+02	3.22E-04	9.96E-05	-1.46E-04
2.36E+02	3.47E-04	2.35E-04	-1.50E-04
2.36E+02	3.45E-04	3.25E-04	-1.48E-04
2.36E+02	3.72E-04	3.96E-04	-1.47E-04
2.36E+02	3.35E-04	4.40E-04	-1.35E-04
2.36E+02	2.64E-04	4.25E-04	-1.84E-04
2.36E+02	2.17E-04	4.05E-04	-1.90E-04
2.36E+02	1.82E-04	3.98E-04	-1.25E-04
2.36E+02	1.76E-04	3.97E-04	-9.84E-05
2.36E+02	1.46E-04	3.95E-04	-8.11E-05
2.36E+02	1.44E-04	3.79E-04	-7.74E-05
2.36E+02	2.08E-04	3.43E-04	-1.06E-04
2.36E+02	2.66E-04	2.76E-04	-1.17E-04
2.36E+02	3.39E-04	1.82E-04	-1.45E-04
2.36E+02	4.27E-04	8.13E-05	-1.30E-04
2.36E+02	5.11E-04	-1.05E-05	-5.44E-05
2.36E+02	5.97E-04	-9.94E-05	-5.21E-05

2.36E+02	6.31E-04	-1.62E-04	-5.80E-05
2.36E+02	6.31E-04	-1.93E-04	-4.92E-05
2.36E+02	6.59E-04	-1.75E-04	-4.73E-05
2.36E+02	6.69E-04	-1.21E-04	-8.20E-06
2.36E+02	6.49E-04	-1.07E-04	-1.30E-05
2.36E+02	6.48E-04	-9.63E-05	1.98E-05
2.36E+02	6.50E-04	-7.21E-05	1.24E-04
2.36E+02	6.55E-04	-7.93E-05	1.68E-04
2.36E+02	6.24E-04	-8.24E-05	1.96E-04
2.36E+02	5.51E-04	-8.87E-05	2.11E-04
2.36E+02	5.34E-04	-8.93E-05	1.98E-04
2.36E+02	5.20E-04	-6.35E-05	2.06E-04
2.36E+02	4.73E-04	-7.04E-05	1.74E-04
2.36E+02	4.59E-04	-8.39E-05	1.45E-04
2.36E+02	4.59E-04	-8.56E-05	1.82E-04
2.36E+02	4.75E-04	-1.22E-04	1.71E-04
2.36E+02	4.74E-04	-1.73E-04	1.30E-04
2.36E+02	4.30E-04	-2.27E-04	1.20E-04
2.36E+02	4.23E-04	-2.58E-04	9.71E-05
2.36E+02	4.14E-04	-2.58E-04	8.60E-05
2.36E+02	3.60E-04	-2.77E-04	1.72E-05
2.36E+02	3.25E-04	-2.88E-04	-8.58E-05
2.36E+02	3.15E-04	-2.66E-04	-1.13E-04
2.36E+02	3.29E-04	-2.55E-04	-1.38E-04
2.36E+02	3.37E-04	-2.58E-04	-1.14E-04
2.36E+02	3.15E-04	-2.84E-04	-3.91E-05
2.36E+02	3.45E-04	-3.29E-04	7.63E-06
2.36E+02	4.06E-04	-3.54E-04	9.78E-05
2.36E+02	4.09E-04	-4.14E-04	1.35E-04
2.36E+02	4.13E-04	-4.67E-04	1.03E-04
2.36E+02	4.51E-04	-4.48E-04	1.39E-04
2.36E+02	5.01E-04	-4.25E-04	1.20E-04
2.36E+02	5.45E-04	-3.99E-04	4.98E-05
2.36E+02	5.28E-04	-3.76E-04	1.03E-05
2.36E+02	5.31E-04	-3.49E-04	-5.09E-05
2.36E+02	5.63E-04	-2.92E-04	-8.81E-05
2.36E+02	5.40E-04	-2.78E-04	-1.47E-04
2.36E+02	5.29E-04	-2.81E-04	-2.09E-04
2.36E+02	5.51E-04	-2.52E-04	-1.63E-04
2.36E+02	5.85E-04	-2.30E-04	-1.08E-04
2.36E+02	6.01E-04	-1.99E-04	-9.50E-05
2.36E+02	5.68E-04	-1.80E-04	-9.77E-05
2.36E+02	5.58E-04	-1.70E-04	-1.32E-04
2.36E+02	5.70E-04	-1.36E-04	-1.23E-04
2.36E+02	5.51E-04	-1.29E-04	-9.56E-05
2.36E+02	5.33E-04	-1.38E-04	-1.13E-04
2.36E+02	5.38E-04	-1.20E-04	-6.18E-05

2.36E+02	5.50E-04	-1.23E-04	-2.33E-05
2.36E+02	5.50E-04	-1.71E-04	-6.41E-05
2.36E+02	5.14E-04	-2.28E-04	-6.48E-05
2.36E+02	4.82E-04	-3.01E-04	-6.60E-05
2.36E+02	4.87E-04	-3.78E-04	-4.88E-05
2.36E+02	4.64E-04	-4.68E-04	-2.59E-05
2.36E+02	4.37E-04	-5.81E-04	-7.23E-05
2.36E+02	4.43E-04	-6.67E-04	-5.28E-05
2.36E+02	4.77E-04	-7.23E-04	2.16E-05
2.36E+02	5.26E-04	-7.64E-04	5.93E-05
2.36E+02	5.29E-04	-7.86E-04	1.15E-04
2.36E+02	5.41E-04	-7.82E-04	1.37E-04
2.36E+02	5.95E-04	-7.35E-04	1.53E-04
2.36E+02	6.07E-04	-6.90E-04	1.95E-04
2.36E+02	5.96E-04	-6.81E-04	1.73E-04
2.36E+02	5.93E-04	-6.50E-04	2.06E-04
2.36E+02	5.93E-04	-6.15E-04	2.65E-04
2.36E+02	6.09E-04	-6.05E-04	2.30E-04
2.36E+02	5.86E-04	-5.98E-04	2.19E-04
2.36E+02	5.69E-04	-6.08E-04	2.09E-04
2.36E+02	6.27E-04	-5.79E-04	2.18E-04
2.36E+02	6.56E-04	-5.53E-04	2.26E-04
2.36E+02	6.79E-04	-5.76E-04	1.46E-04
2.36E+02	7.45E-04	-5.54E-04	1.18E-04
2.36E+02	7.98E-04	-5.26E-04	9.50E-05
2.36E+02	8.56E-04	-5.12E-04	-1.11E-05
2.36E+02	8.71E-04	-4.81E-04	-8.26E-05
2.36E+02	8.50E-04	-4.72E-04	-1.39E-04
2.36E+02	8.75E-04	-4.59E-04	-1.61E-04
2.36E+02	8.81E-04	-4.45E-04	-1.06E-04
2.36E+02	8.46E-04	-4.80E-04	-6.50E-05
2.36E+02	8.17E-04	-5.17E-04	2.73E-05
2.36E+02	8.01E-04	-5.36E-04	1.54E-04
2.36E+02	8.10E-04	-5.66E-04	1.96E-04
2.36E+02	7.77E-04	-5.88E-04	2.35E-04
2.36E+02	7.30E-04	-5.87E-04	2.85E-04
2.36E+02	7.48E-04	-5.55E-04	3.29E-04
2.36E+02	7.58E-04	-5.10E-04	3.85E-04
2.36E+02	7.56E-04	-4.95E-04	3.98E-04
2.36E+02	7.61E-04	-4.90E-04	4.35E-04
2.36E+02	7.65E-04	-4.86E-04	5.35E-04
2.36E+02	7.94E-04	-4.84E-04	5.97E-04
2.36E+02	7.73E-04	-4.75E-04	5.99E-04
2.36E+02	7.09E-04	-4.75E-04	5.37E-04
2.36E+02	6.96E-04	-4.51E-04	4.31E-04
2.36E+02	6.81E-04	-3.99E-04	3.69E-04
2.36E+02	6.23E-04	-3.86E-04	3.00E-04

2.36E+02	5.68E-04	-3.87E-04	2.36E-04
2.36E+02	5.25E-04	-3.94E-04	2.53E-04
2.36E+02	5.10E-04	-4.44E-04	2.28E-04
2.36E+02	4.84E-04	-5.08E-04	1.75E-04
2.36E+02	4.32E-04	-5.86E-04	1.21E-04
2.36E+02	4.42E-04	-6.37E-04	4.58E-06
2.36E+02	4.59E-04	-6.36E-04	-1.01E-04
2.36E+02	4.47E-04	-6.52E-04	-2.37E-04
2.36E+02	4.71E-04	-6.46E-04	-3.41E-04
2.36E+02	4.96E-04	-6.03E-04	-2.92E-04
2.36E+02	5.33E-04	-5.81E-04	-2.27E-04
2.36E+02	5.53E-04	-5.65E-04	-1.55E-04
2.36E+02	5.08E-04	-5.67E-04	-6.18E-05
2.36E+02	5.02E-04	-5.74E-04	-1.96E-05
2.36E+02	4.96E-04	-5.61E-04	5.91E-06
2.36E+02	4.48E-04	-5.60E-04	-2.71E-05
2.36E+02	4.35E-04	-5.59E-04	-1.04E-04
2.36E+02	4.48E-04	-5.29E-04	-9.19E-05
2.36E+02	5.01E-04	-5.04E-04	-6.83E-05
2.36E+02	5.69E-04	-5.02E-04	-9.67E-05
2.36E+02	6.14E-04	-5.07E-04	-9.10E-05
2.36E+02	7.09E-04	-5.21E-04	-6.50E-05
2.37E+02	8.25E-04	-5.35E-04	-1.24E-05
2.37E+02	9.00E-04	-5.74E-04	1.11E-05
2.37E+02	9.65E-04	-6.47E-04	-4.08E-05
2.37E+02	1.02E-03	-6.91E-04	-6.14E-05
2.37E+02	1.06E-03	-7.24E-04	-9.31E-05
2.37E+02	1.08E-03	-7.42E-04	-1.43E-04
2.37E+02	1.05E-03	-7.25E-04	-1.57E-04
2.37E+02	1.04E-03	-6.97E-04	-1.94E-04
2.37E+02	1.06E-03	-6.44E-04	-2.18E-04
2.37E+02	1.04E-03	-6.07E-04	-2.37E-04
2.37E+02	1.00E-03	-5.94E-04	-2.87E-04
2.37E+02	9.74E-04	-5.60E-04	-2.73E-04
2.37E+02	9.50E-04	-5.35E-04	-2.57E-04
2.37E+02	9.21E-04	-5.32E-04	-2.83E-04
2.37E+02	8.47E-04	-5.46E-04	-2.41E-04
2.37E+02	7.93E-04	-5.80E-04	-1.70E-04
2.37E+02	7.98E-04	-5.98E-04	-5.17E-05
2.37E+02	7.79E-04	-6.34E-04	8.09E-05
2.37E+02	7.64E-04	-7.21E-04	1.05E-04
2.37E+02	7.89E-04	-7.81E-04	1.26E-04
2.37E+02	8.18E-04	-8.13E-04	1.26E-04
2.37E+02	8.46E-04	-8.32E-04	4.84E-05
2.37E+02	8.25E-04	-8.06E-04	-3.26E-05
2.37E+02	7.82E-04	-7.83E-04	-1.56E-04
2.37E+02	7.85E-04	-7.38E-04	-2.43E-04

2.37E+02	7.55E-04	-6.80E-04	-2.49E-04
2.37E+02	6.97E-04	-6.76E-04	-2.60E-04
2.37E+02	6.68E-04	-6.71E-04	-1.95E-04
2.37E+02	6.64E-04	-6.66E-04	-9.10E-05
2.37E+02	6.91E-04	-6.93E-04	-2.46E-05
2.37E+02	6.93E-04	-7.28E-04	7.31E-05
2.37E+02	7.02E-04	-7.62E-04	1.50E-04
2.37E+02	7.72E-04	-7.53E-04	2.05E-04
2.37E+02	8.05E-04	-7.28E-04	2.33E-04
2.37E+02	8.10E-04	-7.24E-04	1.46E-04
2.37E+02	8.36E-04	-6.96E-04	6.66E-05
2.37E+02	8.60E-04	-6.57E-04	3.81E-05
2.37E+02	8.91E-04	-6.33E-04	-2.42E-05
2.37E+02	8.71E-04	-6.15E-04	-6.90E-05
2.37E+02	8.17E-04	-6.11E-04	-1.21E-04
2.37E+02	8.29E-04	-5.83E-04	-1.55E-04
2.37E+02	8.18E-04	-5.58E-04	-1.29E-04
2.37E+02	7.68E-04	-5.65E-04	-1.44E-04
2.37E+02	7.48E-04	-5.41E-04	-1.33E-04
2.37E+02	7.35E-04	-5.05E-04	-7.99E-05
2.37E+02	7.42E-04	-4.84E-04	-1.13E-04
2.37E+02	7.25E-04	-4.67E-04	-1.69E-04
2.37E+02	7.07E-04	-4.59E-04	-2.02E-04
2.37E+02	7.71E-04	-4.38E-04	-2.00E-04
2.37E+02	8.25E-04	-4.34E-04	-1.63E-04
2.37E+02	8.48E-04	-4.95E-04	-1.88E-04
2.37E+02	8.87E-04	-5.74E-04	-2.03E-04
2.37E+02	9.22E-04	-6.40E-04	-1.68E-04
2.37E+02	9.57E-04	-7.03E-04	-1.58E-04
2.37E+02	9.41E-04	-7.51E-04	-1.30E-04
2.37E+02	8.89E-04	-7.80E-04	-1.09E-04
2.37E+02	8.89E-04	-7.88E-04	-8.77E-05
2.37E+02	8.80E-04	-7.74E-04	-6.29E-06
2.37E+02	8.45E-04	-7.79E-04	5.00E-05
2.37E+02	8.30E-04	-7.83E-04	8.64E-05
2.37E+02	8.12E-04	-7.72E-04	1.18E-04
2.37E+02	7.98E-04	-7.83E-04	3.49E-05
2.37E+02	7.56E-04	-7.90E-04	-1.11E-04
2.37E+02	6.71E-04	-7.88E-04	-2.43E-04
2.37E+02	6.23E-04	-7.60E-04	-3.37E-04
2.37E+02	5.66E-04	-7.02E-04	-3.52E-04
2.37E+02	4.60E-04	-6.76E-04	-3.75E-04
2.37E+02	3.72E-04	-6.63E-04	-3.76E-04
2.37E+02	2.97E-04	-6.33E-04	-3.01E-04
2.37E+02	2.35E-04	-6.08E-04	-2.66E-04
2.37E+02	1.62E-04	-5.84E-04	-2.73E-04
2.37E+02	7.57E-05	-5.55E-04	-2.91E-04

2.37E+02	6.50E-05	-4.86E-04	-3.29E-04
2.37E+02	8.87E-05	-3.80E-04	-3.31E-04
2.37E+02	9.14E-05	-2.99E-04	-3.54E-04
2.37E+02	1.21E-04	-2.31E-04	-3.84E-04
2.37E+02	1.65E-04	-1.62E-04	-3.38E-04
2.37E+02	2.30E-04	-1.26E-04	-3.19E-04
2.37E+02	2.81E-04	-1.11E-04	-3.08E-04
2.37E+02	2.63E-04	-1.08E-04	-2.54E-04
2.37E+02	2.77E-04	-9.46E-05	-2.17E-04
2.37E+02	2.86E-04	-7.63E-05	-1.53E-04
2.37E+02	2.28E-04	-1.02E-04	-1.21E-04
2.37E+02	1.84E-04	-1.57E-04	-1.20E-04
2.37E+02	1.39E-04	-2.27E-04	-4.96E-05
2.37E+02	1.19E-04	-2.94E-04	1.18E-05
2.37E+02	1.12E-04	-3.33E-04	2.78E-05
2.37E+02	4.56E-05	-3.70E-04	-1.47E-05
2.37E+02	2.48E-05	-3.75E-04	-1.10E-04
2.37E+02	5.72E-05	-3.34E-04	-1.56E-04
2.37E+02	4.75E-05	-3.18E-04	-2.18E-04
2.37E+02	2.75E-05	-3.16E-04	-3.09E-04
2.37E+02	2.63E-05	-2.91E-04	-2.83E-04
2.37E+02	5.44E-05	-2.83E-04	-2.10E-04
2.37E+02	9.86E-05	-2.91E-04	-1.46E-04
2.37E+02	1.16E-04	-3.08E-04	-4.90E-05
2.37E+02	1.66E-04	-3.21E-04	1.01E-05
2.37E+02	2.36E-04	-3.15E-04	3.15E-05
2.37E+02	2.54E-04	-3.41E-04	-7.25E-06
2.37E+02	2.60E-04	-3.88E-04	-9.96E-05
2.37E+02	2.59E-04	-4.23E-04	-1.11E-04
2.37E+02	2.61E-04	-4.42E-04	-7.61E-05
2.37E+02	2.37E-04	-4.58E-04	-9.17E-05
2.37E+02	1.38E-04	-4.78E-04	-1.10E-04
2.37E+02	8.75E-05	-4.49E-04	-1.18E-04
2.37E+02	9.78E-05	-3.75E-04	-9.54E-05
2.37E+02	7.57E-05	-3.17E-04	-8.62E-05
2.37E+02	6.62E-05	-2.87E-04	-1.61E-04
2.37E+02	8.18E-05	-2.62E-04	-1.66E-04
2.37E+02	1.09E-04	-2.49E-04	-1.24E-04
2.37E+02	1.63E-04	-2.59E-04	-1.19E-04
2.37E+02	1.76E-04	-2.94E-04	-5.00E-05
2.37E+02	1.72E-04	-3.40E-04	3.57E-05
2.37E+02	1.87E-04	-3.52E-04	1.39E-04
2.37E+02	1.44E-04	-3.62E-04	2.03E-04
2.37E+02	7.74E-05	-3.88E-04	1.30E-04
2.37E+02	2.02E-05	-3.83E-04	8.30E-05
2.37E+02	-2.80E-05	-3.75E-04	7.90E-05
2.37E+02	-4.52E-05	-3.83E-04	5.80E-05

2.37E+02	-9.86E-05	-3.90E-04	7.32E-05
2.37E+02	-1.34E-04	-3.95E-04	7.15E-05
2.37E+02	-8.95E-05	-3.83E-04	7.29E-05
2.37E+02	-7.04E-05	-3.82E-04	9.57E-05
2.37E+02	-7.04E-05	-4.20E-04	5.11E-05
2.37E+02	-4.75E-05	-4.32E-04	6.68E-06
2.37E+02	-7.44E-06	-4.19E-04	-5.09E-05
2.37E+02	5.84E-05	-4.19E-04	-1.79E-04
2.37E+02	7.92E-05	-4.35E-04	-2.60E-04
2.37E+02	9.02E-05	-4.75E-04	-2.99E-04
2.37E+02	1.55E-04	-4.93E-04	-2.91E-04
2.37E+02	1.74E-04	-5.16E-04	-2.81E-04
2.37E+02	1.62E-04	-5.68E-04	-3.54E-04
2.37E+02	1.66E-04	-5.83E-04	-3.58E-04
2.37E+02	1.47E-04	-5.73E-04	-3.01E-04
2.37E+02	1.19E-04	-5.41E-04	-2.50E-04
2.37E+02	3.13E-05	-4.92E-04	-1.44E-04
2.37E+02	-9.31E-05	-4.67E-04	-4.71E-05
2.37E+02	-1.55E-04	-4.39E-04	2.63E-05
2.37E+02	-2.16E-04	-4.29E-04	1.13E-04
2.37E+02	-2.84E-04	-4.58E-04	1.31E-04
2.37E+02	-3.13E-04	-4.80E-04	1.25E-04
2.37E+02	-3.13E-04	-4.79E-04	1.57E-04
2.37E+02	-2.69E-04	-4.91E-04	1.23E-04
2.37E+02	-2.46E-04	-5.19E-04	8.03E-05
2.37E+02	-2.71E-04	-5.65E-04	6.18E-05
2.37E+02	-2.59E-04	-6.13E-04	3.81E-05
2.37E+02	-2.56E-04	-6.40E-04	5.87E-05
2.37E+02	-3.02E-04	-7.08E-04	-1.43E-05
2.37E+02	-3.34E-04	-7.90E-04	-1.28E-04
2.37E+02	-3.35E-04	-8.27E-04	-1.31E-04
2.37E+02	-3.20E-04	-8.70E-04	-1.31E-04
2.37E+02	-3.46E-04	-9.13E-04	-1.24E-04
2.37E+02	-4.08E-04	-9.55E-04	-1.24E-04
2.37E+02	-4.20E-04	-9.85E-04	-1.37E-04
2.37E+02	-4.29E-04	-9.88E-04	-7.23E-05
2.37E+02	-4.66E-04	-1.02E-03	-4.77E-06
2.37E+02	-4.72E-04	-1.04E-03	8.98E-05
2.37E+02	-4.59E-04	-1.04E-03	2.56E-04
2.37E+02	-4.13E-04	-1.05E-03	3.42E-04
2.37E+02	-3.70E-04	-1.05E-03	3.84E-04
2.37E+02	-3.72E-04	-1.06E-03	4.44E-04
2.37E+02	-3.51E-04	-1.05E-03	4.58E-04
2.37E+02	-3.52E-04	-1.01E-03	4.38E-04
2.37E+02	-4.20E-04	-9.86E-04	3.00E-04
2.37E+02	-4.88E-04	-9.61E-04	7.08E-05
2.37E+02	-5.38E-04	-8.95E-04	-8.70E-05

2.37E+02	-5.67E-04	-8.26E-04	-1.98E-04
2.37E+02	-6.06E-04	-7.62E-04	-2.49E-04
2.37E+02	-6.73E-04	-6.97E-04	-2.40E-04
2.37E+02	-6.95E-04	-6.48E-04	-2.59E-04
2.37E+02	-6.77E-04	-5.91E-04	-2.61E-04
2.37E+02	-6.70E-04	-5.54E-04	-2.92E-04
2.37E+02	-6.47E-04	-5.37E-04	-3.64E-04
2.37E+02	-6.01E-04	-4.93E-04	-3.37E-04
2.37E+02	-5.61E-04	-4.80E-04	-3.19E-04
2.37E+02	-5.39E-04	-4.83E-04	-3.11E-04
2.37E+02	-5.71E-04	-4.82E-04	-2.33E-04
2.37E+02	-5.97E-04	-4.94E-04	-1.67E-04
2.37E+02	-6.05E-04	-4.78E-04	-4.86E-05
2.37E+02	-6.78E-04	-4.90E-04	3.81E-05
2.37E+02	-7.46E-04	-5.07E-04	3.80E-05
2.37E+02	-7.81E-04	-4.66E-04	1.03E-04
2.37E+02	-8.05E-04	-4.19E-04	1.55E-04
2.37E+02	-8.30E-04	-3.68E-04	1.63E-04
2.37E+02	-9.06E-04	-3.27E-04	1.94E-04
2.37E+02	-9.42E-04	-3.12E-04	2.07E-04
2.37E+02	-9.36E-04	-3.07E-04	2.38E-04
2.37E+02	-9.72E-04	-3.47E-04	2.45E-04
2.37E+02	-1.00E-03	-4.16E-04	1.95E-04
2.37E+02	-1.01E-03	-4.56E-04	2.03E-04
2.37E+02	-1.02E-03	-4.81E-04	2.26E-04
2.37E+02	-1.01E-03	-4.97E-04	2.17E-04
2.37E+02	-1.05E-03	-4.91E-04	2.26E-04
2.37E+02	-1.07E-03	-4.65E-04	1.96E-04
2.37E+02	-1.04E-03	-4.02E-04	1.71E-04
2.37E+02	-1.04E-03	-3.48E-04	1.55E-04
2.37E+02	-1.04E-03	-3.37E-04	7.93E-05
2.37E+02	-9.97E-04	-3.11E-04	5.82E-05
2.37E+02	-9.50E-04	-2.97E-04	6.60E-05
2.37E+02	-9.20E-04	-2.95E-04	6.10E-05
2.38E+02	-9.54E-04	-2.55E-04	9.23E-05
2.38E+02	-1.00E-03	-2.14E-04	6.39E-05
2.38E+02	-1.01E-03	-1.54E-04	1.64E-05
2.38E+02	-1.06E-03	-7.86E-05	-1.98E-05
2.38E+02	-1.11E-03	-3.89E-05	-1.10E-04
2.38E+02	-1.14E-03	1.41E-05	-1.39E-04
2.38E+02	-1.16E-03	7.44E-05	-1.42E-04
2.38E+02	-1.14E-03	8.24E-05	-2.05E-04
2.38E+02	-1.16E-03	5.70E-05	-1.96E-04
2.38E+02	-1.17E-03	2.00E-05	-8.14E-05
2.38E+02	-1.13E-03	9.54E-06	1.15E-04
2.38E+02	-1.12E-03	2.86E-06	3.06E-04
2.38E+02	-1.14E-03	-4.14E-05	3.77E-04

2.38E+02	-1.13E-03	-5.36E-05	4.35E-04
2.38E+02	-1.11E-03	-2.44E-05	4.88E-04
2.38E+02	-1.07E-03	1.56E-05	4.76E-04
2.38E+02	-1.06E-03	7.32E-05	4.49E-04
2.38E+02	-1.05E-03	1.22E-04	3.71E-04
2.38E+02	-9.79E-04	1.62E-04	2.70E-04
2.38E+02	-9.21E-04	1.79E-04	2.01E-04
2.38E+02	-8.83E-04	1.54E-04	1.17E-04
2.38E+02	-8.31E-04	1.32E-04	8.91E-05
2.38E+02	-7.85E-04	1.29E-04	1.06E-04
2.38E+02	-7.30E-04	1.18E-04	5.97E-05
2.38E+02	-7.08E-04	1.08E-04	4.60E-05
2.38E+02	-7.08E-04	1.09E-04	9.54E-05
2.38E+02	-6.65E-04	1.35E-04	1.67E-04
2.38E+02	-6.56E-04	1.59E-04	2.22E-04
2.38E+02	-6.96E-04	1.37E-04	1.44E-04
2.38E+02	-7.24E-04	1.10E-04	2.75E-05
2.38E+02	-7.50E-04	1.07E-04	-3.87E-05
2.38E+02	-7.76E-04	1.05E-04	-1.18E-04
2.38E+02	-8.45E-04	1.13E-04	-1.58E-04
2.38E+02	-9.53E-04	1.26E-04	-1.27E-04
2.38E+02	-1.01E-03	1.50E-04	-2.94E-05
2.38E+02	-1.07E-03	1.76E-04	1.45E-04
2.38E+02	-1.18E-03	1.56E-04	3.02E-04
2.38E+02	-1.26E-03	1.23E-04	4.47E-04
2.38E+02	-1.34E-03	9.77E-05	6.02E-04
2.38E+02	-1.38E-03	6.05E-05	6.54E-04
2.38E+02	-1.41E-03	3.83E-05	6.51E-04
2.38E+02	-1.46E-03	4.56E-05	6.58E-04
2.38E+02	-1.44E-03	9.59E-05	6.56E-04
2.38E+02	-1.39E-03	1.70E-04	6.61E-04
2.38E+02	-1.39E-03	2.10E-04	5.60E-04
2.38E+02	-1.35E-03	2.33E-04	3.91E-04
2.38E+02	-1.31E-03	2.67E-04	2.84E-04
2.38E+02	-1.26E-03	2.88E-04	1.82E-04
2.38E+02	-1.24E-03	2.99E-04	1.11E-04
2.38E+02	-1.26E-03	3.22E-04	9.98E-05
2.38E+02	-1.25E-03	3.60E-04	1.08E-04
2.38E+02	-1.20E-03	4.37E-04	1.95E-04
2.38E+02	-1.18E-03	4.93E-04	2.89E-04
2.38E+02	-1.17E-03	5.06E-04	3.25E-04
2.38E+02	-1.14E-03	5.30E-04	3.70E-04
2.38E+02	-1.10E-03	5.36E-04	3.28E-04
2.38E+02	-1.07E-03	5.22E-04	2.21E-04
2.38E+02	-1.09E-03	5.02E-04	1.53E-04
2.38E+02	-1.10E-03	4.92E-04	9.29E-05
2.38E+02	-1.12E-03	5.17E-04	9.57E-05

2.38E+02	-1.21E-03	5.11E-04	1.01E-04
2.38E+02	-1.32E-03	4.85E-04	9.29E-05
2.38E+02	-1.40E-03	4.99E-04	1.99E-04
2.38E+02	-1.45E-03	5.21E-04	3.25E-04
2.38E+02	-1.49E-03	5.27E-04	4.20E-04
2.38E+02	-1.56E-03	5.13E-04	4.96E-04
2.38E+02	-1.59E-03	4.79E-04	4.81E-04
2.38E+02	-1.57E-03	4.50E-04	4.41E-04
2.38E+02	-1.58E-03	4.06E-04	3.75E-04
2.38E+02	-1.56E-03	3.39E-04	2.84E-04
2.38E+02	-1.52E-03	2.96E-04	3.03E-04
2.38E+02	-1.45E-03	2.48E-04	2.98E-04
2.38E+02	-1.39E-03	1.78E-04	1.97E-04
2.38E+02	-1.40E-03	1.17E-04	1.38E-04
2.38E+02	-1.40E-03	6.87E-05	8.72E-05
2.38E+02	-1.41E-03	6.75E-05	7.95E-05
2.38E+02	-1.46E-03	8.62E-05	1.05E-04
2.38E+02	-1.52E-03	8.60E-05	7.59E-05
2.38E+02	-1.56E-03	1.21E-04	6.41E-05
2.38E+02	-1.56E-03	1.64E-04	3.68E-05
2.38E+02	-1.55E-03	1.96E-04	3.81E-06
2.38E+02	-1.56E-03	2.46E-04	2.92E-05
2.38E+02	-1.54E-03	2.88E-04	4.31E-05
2.38E+02	-1.47E-03	3.34E-04	6.37E-05
2.38E+02	-1.45E-03	3.64E-04	9.02E-05
2.38E+02	-1.46E-03	3.59E-04	1.07E-04
2.38E+02	-1.46E-03	3.73E-04	2.47E-04
2.38E+02	-1.47E-03	3.90E-04	4.55E-04
2.38E+02	-1.48E-03	3.96E-04	6.07E-04
2.38E+02	-1.53E-03	4.26E-04	7.20E-04
2.38E+02	-1.57E-03	4.67E-04	7.47E-04
2.38E+02	-1.55E-03	5.30E-04	7.20E-04
2.38E+02	-1.54E-03	5.78E-04	6.54E-04
2.38E+02	-1.54E-03	5.76E-04	5.05E-04
2.38E+02	-1.52E-03	5.73E-04	3.75E-04
2.38E+02	-1.47E-03	5.76E-04	2.73E-04
2.38E+02	-1.41E-03	5.72E-04	1.61E-04
2.38E+02	-1.38E-03	5.69E-04	9.67E-05
2.38E+02	-1.36E-03	5.59E-04	4.79E-05
2.38E+02	-1.28E-03	5.62E-04	9.92E-06
2.38E+02	-1.23E-03	5.62E-04	-1.45E-05
2.38E+02	-1.22E-03	5.38E-04	-9.19E-05
2.38E+02	-1.21E-03	5.38E-04	-1.16E-04
2.38E+02	-1.20E-03	5.53E-04	-5.44E-05
2.38E+02	-1.19E-03	5.61E-04	-1.53E-06
2.38E+02	-1.21E-03	5.69E-04	7.88E-05
2.38E+02	-1.28E-03	5.54E-04	1.21E-04

2.38E+02	-1.28E-03	5.81E-04	1.27E-04
2.38E+02	-1.30E-03	6.28E-04	1.26E-04
2.38E+02	-1.35E-03	6.29E-04	4.02E-05
2.38E+02	-1.33E-03	6.52E-04	1.34E-06
2.38E+02	-1.31E-03	6.76E-04	4.20E-05
2.38E+02	-1.26E-03	6.85E-04	6.90E-05
2.38E+02	-1.24E-03	6.96E-04	1.45E-04
2.38E+02	-1.23E-03	6.92E-04	2.24E-04
2.38E+02	-1.14E-03	6.96E-04	2.96E-04
2.38E+02	-1.06E-03	6.83E-04	3.78E-04
2.38E+02	-1.02E-03	6.35E-04	3.53E-04
2.38E+02	-9.44E-04	6.05E-04	2.94E-04
2.38E+02	-8.79E-04	6.10E-04	2.15E-04
2.38E+02	-7.94E-04	6.17E-04	1.26E-05
2.38E+02	-7.46E-04	6.21E-04	-1.86E-04
2.38E+02	-7.40E-04	6.33E-04	-3.48E-04
2.38E+02	-6.77E-04	6.81E-04	-4.52E-04
2.38E+02	-6.19E-04	7.41E-04	-4.30E-04
2.38E+02	-6.12E-04	7.52E-04	-4.11E-04
2.38E+02	-5.93E-04	7.36E-04	-3.49E-04
2.38E+02	-5.59E-04	7.26E-04	-1.57E-04
2.38E+02	-5.25E-04	6.96E-04	1.75E-05
2.38E+02	-5.13E-04	6.58E-04	1.74E-04
2.38E+02	-5.03E-04	6.37E-04	3.00E-04
2.38E+02	-4.20E-04	6.40E-04	3.20E-04
2.38E+02	-3.10E-04	6.71E-04	2.99E-04
2.38E+02	-2.29E-04	6.83E-04	1.89E-04
2.38E+02	-1.36E-04	6.89E-04	4.67E-05
2.38E+02	-4.29E-05	7.11E-04	-1.34E-05
2.38E+02	5.36E-05	7.09E-04	-1.08E-04
2.38E+02	1.09E-04	6.78E-04	-2.16E-04
2.38E+02	9.75E-05	6.21E-04	-2.77E-04
2.38E+02	1.20E-04	5.76E-04	-3.01E-04
2.38E+02	1.32E-04	5.55E-04	-2.61E-04
2.38E+02	8.58E-05	4.97E-04	-2.68E-04
2.38E+02	5.89E-05	4.41E-04	-3.12E-04
2.38E+02	4.83E-05	4.24E-04	-3.16E-04
2.38E+02	6.79E-05	4.15E-04	-3.59E-04
2.38E+02	9.21E-05	4.12E-04	-4.03E-04
2.38E+02	7.78E-05	4.03E-04	-4.12E-04
2.38E+02	1.09E-04	4.05E-04	-4.19E-04
2.38E+02	1.40E-04	4.25E-04	-3.67E-04
2.38E+02	1.26E-04	4.30E-04	-2.85E-04
2.38E+02	1.24E-04	4.41E-04	-2.06E-04
2.38E+02	1.13E-04	4.54E-04	-7.38E-05
2.38E+02	1.11E-04	4.58E-04	2.37E-05
2.38E+02	9.40E-05	4.57E-04	4.31E-05

2.38E+02	2.02E-05	4.47E-04	5.34E-05
2.38E+02	-2.25E-05	4.70E-04	2.63E-05
2.38E+02	-3.89E-05	5.41E-04	-4.01E-06
2.38E+02	-7.95E-05	6.12E-04	-5.21E-05
2.38E+02	-9.71E-05	6.66E-04	-1.13E-04
2.38E+02	-9.40E-05	7.22E-04	-7.84E-05
2.38E+02	-6.89E-05	7.68E-04	-7.25E-05
2.38E+02	-3.74E-05	7.86E-04	-1.42E-04
2.38E+02	-4.12E-05	7.92E-04	-2.02E-04
2.38E+02	-1.34E-06	7.90E-04	-2.87E-04
2.38E+02	7.71E-05	7.86E-04	-3.21E-04
2.38E+02	1.23E-04	7.73E-04	-3.04E-04
2.38E+02	1.42E-04	7.24E-04	-3.06E-04
2.38E+02	1.31E-04	6.80E-04	-2.33E-04
2.38E+02	1.35E-04	6.36E-04	-1.53E-04
2.38E+02	1.34E-04	5.68E-04	-1.34E-04
2.38E+02	6.50E-05	5.29E-04	-8.43E-05
2.38E+02	1.05E-05	5.33E-04	-5.97E-05
2.38E+02	-8.39E-06	5.90E-04	-5.86E-05
2.38E+02	-5.91E-05	6.57E-04	-9.14E-05
2.38E+02	-9.35E-05	7.00E-04	-1.90E-04
2.38E+02	-8.75E-05	7.61E-04	-1.91E-04
2.38E+02	-4.67E-05	8.11E-04	-1.26E-04
2.38E+02	1.30E-05	8.22E-04	-1.10E-04
2.38E+02	2.35E-05	8.13E-04	-1.05E-04
2.38E+02	5.44E-05	7.90E-04	-1.41E-04
2.38E+02	1.37E-04	7.89E-04	-1.57E-04
2.38E+02	1.84E-04	7.98E-04	-1.30E-04
2.38E+02	2.26E-04	7.87E-04	-1.27E-04
2.38E+02	2.90E-04	8.09E-04	-2.48E-05
2.38E+02	3.74E-04	8.65E-04	1.33E-04
2.38E+02	4.83E-04	8.89E-04	1.76E-04
2.38E+02	5.34E-04	8.86E-04	1.40E-04
2.38E+02	5.71E-04	8.68E-04	2.61E-05
2.38E+02	6.53E-04	8.51E-04	-9.46E-05
2.38E+02	6.86E-04	8.42E-04	-1.43E-04
2.38E+02	6.84E-04	8.05E-04	-1.90E-04
2.38E+02	6.92E-04	7.80E-04	-1.45E-04
2.38E+02	6.79E-04	7.78E-04	2.14E-05
2.38E+02	6.42E-04	7.58E-04	1.87E-04
2.38E+02	5.36E-04	7.40E-04	3.30E-04
2.38E+02	4.09E-04	7.37E-04	4.01E-04
2.38E+02	3.46E-04	7.64E-04	3.98E-04
2.38E+02	2.86E-04	8.16E-04	3.66E-04
2.38E+02	2.21E-04	8.49E-04	2.66E-04
2.38E+02	1.91E-04	8.83E-04	1.83E-04
2.39E+02	1.90E-04	9.26E-04	1.48E-04

2.39E+02	2.12E-04	9.33E-04	9.48E-05
2.39E+02	2.01E-04	9.02E-04	8.74E-05
2.39E+02	1.72E-04	8.67E-04	1.26E-04
2.39E+02	1.89E-04	8.60E-04	1.96E-04
2.39E+02	1.96E-04	8.76E-04	2.67E-04
2.39E+02	1.70E-04	8.63E-04	2.25E-04
2.39E+02	1.48E-04	8.41E-04	1.82E-04
2.39E+02	1.43E-04	8.61E-04	2.43E-04
2.39E+02	1.39E-04	8.58E-04	2.85E-04
2.39E+02	8.66E-05	8.37E-04	3.27E-04
2.39E+02	2.06E-05	8.21E-04	3.64E-04
2.39E+02	-5.15E-06	7.83E-04	3.22E-04
2.39E+02	-4.33E-05	7.59E-04	2.48E-04
2.39E+02	-1.08E-04	7.27E-04	1.22E-04
2.39E+02	-1.51E-04	7.11E-04	1.81E-05
2.39E+02	-1.79E-04	7.56E-04	3.13E-05
2.39E+02	-1.73E-04	8.02E-04	4.25E-05
2.39E+02	-1.62E-04	8.37E-04	9.67E-05
2.39E+02	-1.73E-04	8.77E-04	2.34E-04
2.39E+02	-1.15E-04	9.14E-04	3.56E-04
2.39E+02	-4.63E-05	9.41E-04	4.44E-04
2.39E+02	-1.09E-05	9.17E-04	3.86E-04
2.39E+02	6.31E-05	8.88E-04	2.47E-04
2.39E+02	1.49E-04	8.99E-04	1.90E-04
2.39E+02	2.46E-04	9.16E-04	1.38E-04
2.39E+02	3.09E-04	9.48E-04	1.34E-04
2.39E+02	2.80E-04	9.62E-04	1.83E-04
2.39E+02	2.53E-04	9.52E-04	2.16E-04
2.39E+02	2.16E-04	9.63E-04	2.78E-04
2.39E+02	1.30E-04	9.48E-04	2.63E-04
2.39E+02	5.53E-05	9.31E-04	2.13E-04
2.39E+02	-8.77E-06	9.57E-04	2.70E-04
2.39E+02	-3.26E-05	9.79E-04	3.05E-04
2.39E+02	-2.77E-05	9.75E-04	3.03E-04
2.39E+02	-6.22E-05	9.43E-04	3.03E-04
2.39E+02	-5.47E-05	8.97E-04	2.74E-04
2.39E+02	-3.81E-07	8.52E-04	2.84E-04
2.39E+02	2.25E-05	7.68E-04	2.64E-04
2.39E+02	6.85E-05	6.61E-04	2.04E-04
2.39E+02	1.38E-04	6.13E-04	2.39E-04
2.39E+02	2.15E-04	6.11E-04	2.91E-04
2.39E+02	2.68E-04	6.34E-04	3.24E-04
2.39E+02	2.27E-04	6.68E-04	3.52E-04
2.39E+02	2.02E-04	7.09E-04	3.02E-04
2.39E+02	2.00E-04	7.72E-04	2.63E-04
2.39E+02	1.47E-04	8.17E-04	2.21E-04
2.39E+02	1.20E-04	8.40E-04	1.26E-04

2.39E+02	1.13E-04	8.79E-04	1.07E-04
2.39E+02	1.26E-04	9.08E-04	8.24E-05
2.39E+02	1.53E-04	9.16E-04	3.26E-05
2.39E+02	1.25E-04	9.14E-04	5.99E-05
2.39E+02	1.07E-04	9.12E-04	1.03E-04
2.39E+02	1.15E-04	9.45E-04	1.76E-04
2.39E+02	7.80E-05	9.67E-04	2.06E-04
2.39E+02	4.52E-05	9.41E-04	1.49E-04
2.39E+02	3.38E-05	9.34E-04	1.71E-04
2.39E+02	3.91E-05	9.43E-04	2.27E-04
2.39E+02	7.02E-05	9.41E-04	2.52E-04
2.39E+02	6.18E-05	9.49E-04	3.02E-04
2.39E+02	7.44E-05	9.61E-04	3.11E-04
2.39E+02	1.61E-04	9.96E-04	2.93E-04
2.39E+02	2.17E-04	1.05E-03	2.70E-04
2.39E+02	2.69E-04	1.07E-03	2.14E-04
2.39E+02	3.49E-04	1.11E-03	2.44E-04
2.39E+02	4.25E-04	1.16E-03	3.07E-04
2.39E+02	5.07E-04	1.18E-03	3.04E-04
2.39E+02	5.32E-04	1.20E-03	3.21E-04
2.39E+02	5.37E-04	1.20E-03	3.19E-04
2.39E+02	5.95E-04	1.21E-03	3.12E-04
2.39E+02	6.20E-04	1.21E-03	2.86E-04
2.39E+02	6.45E-04	1.16E-03	1.66E-04
2.39E+02	7.15E-04	1.15E-03	1.03E-04
2.39E+02	7.70E-04	1.15E-03	1.03E-04
2.39E+02	8.44E-04	1.15E-03	1.00E-04
2.39E+02	8.95E-04	1.18E-03	1.44E-04
2.39E+02	9.07E-04	1.20E-03	1.68E-04
2.39E+02	9.77E-04	1.23E-03	2.14E-04
2.39E+02	1.03E-03	1.25E-03	3.01E-04
2.39E+02	1.07E-03	1.22E-03	3.15E-04
2.39E+02	1.14E-03	1.20E-03	3.25E-04
2.39E+02	1.22E-03	1.18E-03	3.25E-04
2.39E+02	1.34E-03	1.12E-03	2.53E-04
2.39E+02	1.42E-03	1.04E-03	2.22E-04
2.39E+02	1.48E-03	9.38E-04	2.50E-04
2.39E+02	1.57E-03	8.44E-04	3.08E-04
2.39E+02	1.61E-03	7.41E-04	3.67E-04
2.39E+02	1.59E-03	6.17E-04	3.26E-04
2.39E+02	1.58E-03	5.24E-04	2.65E-04
2.39E+02	1.56E-03	4.84E-04	2.31E-04
2.39E+02	1.53E-03	4.82E-04	1.53E-04
2.39E+02	1.46E-03	5.25E-04	1.05E-04
2.39E+02	1.34E-03	5.91E-04	7.44E-05
2.39E+02	1.29E-03	6.65E-04	3.99E-05
2.39E+02	1.24E-03	7.37E-04	5.34E-05

2.39E+02	1.15E-03	7.48E-04	4.50E-05
2.39E+02	1.09E-03	7.56E-04	6.77E-05
2.39E+02	1.05E-03	7.91E-04	9.35E-05
2.39E+02	1.02E-03	8.08E-04	-3.05E-06
2.39E+02	1.02E-03	8.61E-04	-8.62E-05
2.39E+02	9.98E-04	9.35E-04	-1.20E-04
2.39E+02	1.03E-03	1.00E-03	-1.40E-04
2.39E+02	1.05E-03	1.08E-03	-1.23E-04
2.39E+02	1.03E-03	1.08E-03	-1.78E-04
2.39E+02	1.03E-03	1.04E-03	-2.28E-04
2.39E+02	1.05E-03	1.02E-03	-1.58E-04
2.39E+02	1.09E-03	9.78E-04	-6.85E-05
2.39E+02	1.11E-03	9.45E-04	4.46E-05
2.39E+02	1.10E-03	9.10E-04	1.41E-04
2.39E+02	1.12E-03	8.90E-04	1.80E-04
2.39E+02	1.15E-03	8.98E-04	2.43E-04
2.39E+02	1.14E-03	8.67E-04	2.46E-04
2.39E+02	1.14E-03	8.11E-04	1.88E-04
2.39E+02	1.14E-03	7.59E-04	1.68E-04
2.39E+02	1.17E-03	6.91E-04	1.18E-04
2.39E+02	1.18E-03	6.28E-04	8.64E-05
2.39E+02	1.14E-03	5.85E-04	1.17E-04
2.39E+02	1.13E-03	5.79E-04	1.34E-04
2.39E+02	1.13E-03	6.21E-04	1.26E-04
2.39E+02	1.07E-03	6.36E-04	1.66E-05
2.39E+02	1.02E-03	6.26E-04	-1.16E-04
2.39E+02	1.02E-03	6.45E-04	-1.29E-04
2.39E+02	1.03E-03	6.39E-04	-1.36E-04
2.39E+02	1.05E-03	6.05E-04	-1.57E-04
2.39E+02	9.97E-04	5.39E-04	-1.62E-04
2.39E+02	9.91E-04	4.55E-04	-1.75E-04
2.39E+02	1.04E-03	4.03E-04	-1.61E-04
2.39E+02	1.02E-03	3.16E-04	-2.22E-04
2.39E+02	1.03E-03	2.29E-04	-3.34E-04
2.39E+02	1.05E-03	2.11E-04	-3.32E-04
2.39E+02	1.07E-03	2.05E-04	-3.00E-04
2.39E+02	1.12E-03	2.09E-04	-2.83E-04
2.39E+02	1.09E-03	2.13E-04	-2.17E-04
2.39E+02	1.06E-03	1.95E-04	-1.80E-04
2.39E+02	1.05E-03	1.76E-04	-1.87E-04
2.39E+02	9.69E-04	1.26E-04	-2.65E-04
2.39E+02	9.12E-04	5.97E-05	-4.09E-04
2.39E+02	8.86E-04	4.18E-05	-4.69E-04
2.39E+02	8.58E-04	4.63E-05	-4.79E-04
2.39E+02	8.47E-04	4.69E-05	-4.76E-04
2.39E+02	7.83E-04	4.88E-05	-4.11E-04
2.39E+02	7.54E-04	5.49E-05	-3.19E-04

2.39E+02	7.83E-04	6.01E-05	-1.87E-04
2.39E+02	7.68E-04	2.94E-05	-7.04E-05
2.39E+02	7.66E-04	-3.13E-05	-3.20E-05
2.39E+02	7.75E-04	-6.39E-05	-3.62E-06
2.39E+02	8.02E-04	-6.69E-05	-5.44E-05
2.39E+02	8.57E-04	-7.15E-05	-2.15E-04
2.39E+02	8.41E-04	-8.45E-05	-3.41E-04
2.39E+02	8.14E-04	-1.03E-04	-4.14E-04
2.39E+02	8.21E-04	-9.59E-05	-3.96E-04
2.39E+02	7.71E-04	-1.03E-04	-3.40E-04
2.39E+02	6.99E-04	-1.66E-04	-3.64E-04
2.39E+02	6.50E-04	-2.29E-04	-3.49E-04
2.39E+02	6.09E-04	-2.98E-04	-3.09E-04
2.39E+02	5.74E-04	-3.75E-04	-3.08E-04
2.39E+02	4.97E-04	-4.24E-04	-2.80E-04
2.39E+02	4.34E-04	-4.56E-04	-2.79E-04
2.39E+02	4.44E-04	-4.68E-04	-2.80E-04
2.39E+02	4.50E-04	-4.75E-04	-2.27E-04
2.39E+02	4.67E-04	-5.22E-04	-1.98E-04
2.39E+02	5.32E-04	-5.59E-04	-1.34E-04
2.39E+02	6.15E-04	-5.71E-04	-6.50E-05
2.39E+02	7.05E-04	-5.81E-04	-1.02E-04
2.39E+02	7.56E-04	-5.55E-04	-1.27E-04
2.39E+02	7.68E-04	-5.17E-04	-1.30E-04
2.39E+02	8.01E-04	-4.57E-04	-1.10E-04
2.39E+02	8.04E-04	-3.96E-04	-4.33E-05
2.39E+02	7.44E-04	-4.24E-04	-6.47E-05
2.39E+02	6.91E-04	-4.87E-04	-6.98E-05
2.39E+02	6.72E-04	-5.48E-04	1.72E-06
2.39E+02	6.75E-04	-6.34E-04	1.93E-05
2.39E+02	6.57E-04	-7.13E-04	1.39E-05
2.39E+02	6.45E-04	-7.94E-04	-3.76E-05
2.39E+02	6.90E-04	-8.59E-04	-1.48E-04
2.39E+02	7.18E-04	-8.82E-04	-2.50E-04
2.39E+02	7.24E-04	-9.18E-04	-3.87E-04
2.39E+02	7.47E-04	-9.40E-04	-4.68E-04
2.39E+02	7.81E-04	-9.33E-04	-4.15E-04
2.39E+02	8.45E-04	-9.51E-04	-3.60E-04
2.39E+02	8.80E-04	-9.86E-04	-3.05E-04
2.39E+02	8.79E-04	-1.03E-03	-2.31E-04
2.39E+02	9.25E-04	-1.05E-03	-1.61E-04
2.39E+02	9.28E-04	-1.06E-03	-1.03E-04
2.39E+02	8.64E-04	-1.11E-03	-1.62E-04
2.39E+02	8.35E-04	-1.13E-03	-2.49E-04
2.39E+02	8.07E-04	-1.09E-03	-2.48E-04
2.39E+02	7.80E-04	-1.07E-03	-2.56E-04
2.39E+02	7.34E-04	-1.08E-03	-2.32E-04

2.39E+02	6.40E-04	-1.10E-03	-1.40E-04
2.39E+02	5.95E-04	-1.12E-03	-4.75E-05
2.39E+02	5.56E-04	-1.14E-03	5.34E-05
2.39E+02	4.80E-04	-1.18E-03	5.97E-05
2.39E+02	4.36E-04	-1.22E-03	-1.77E-05
2.39E+02	4.05E-04	-1.21E-03	-6.73E-05
2.39E+02	4.05E-04	-1.19E-03	-1.68E-04
2.39E+02	4.23E-04	-1.17E-03	-2.47E-04
2.39E+02	4.08E-04	-1.14E-03	-2.41E-04
2.39E+02	4.52E-04	-1.11E-03	-2.20E-04
2.39E+02	5.06E-04	-1.06E-03	-1.52E-04
2.40E+02	4.99E-04	-1.05E-03	-1.46E-04
2.40E+02	5.05E-04	-1.07E-03	-1.94E-04
2.40E+02	5.12E-04	-1.07E-03	-1.91E-04
2.40E+02	5.32E-04	-1.05E-03	-2.44E-04
2.40E+02	5.46E-04	-1.01E-03	-3.10E-04
2.40E+02	5.17E-04	-9.39E-04	-3.48E-04
2.40E+02	5.39E-04	-8.76E-04	-4.05E-04
2.40E+02	5.80E-04	-8.17E-04	-4.11E-04
2.40E+02	5.77E-04	-8.02E-04	-4.07E-04
2.40E+02	5.83E-04	-8.25E-04	-4.12E-04
2.40E+02	5.97E-04	-8.22E-04	-3.33E-04
2.40E+02	6.37E-04	-8.26E-04	-2.41E-04
2.40E+02	6.85E-04	-8.33E-04	-1.44E-04
2.40E+02	6.90E-04	-8.32E-04	-1.58E-05
2.40E+02	7.24E-04	-8.41E-04	6.29E-05
2.40E+02	7.71E-04	-8.35E-04	1.08E-04
2.40E+02	7.73E-04	-8.59E-04	5.26E-05
2.40E+02	7.87E-04	-9.35E-04	-9.27E-05
2.40E+02	8.18E-04	-1.01E-03	-1.29E-04
2.40E+02	8.59E-04	-1.08E-03	-1.13E-04
2.40E+02	8.67E-04	-1.17E-03	-9.75E-05
2.40E+02	8.02E-04	-1.24E-03	-4.86E-05
2.40E+02	7.55E-04	-1.28E-03	-3.85E-05
2.40E+02	7.30E-04	-1.28E-03	-2.02E-05
2.40E+02	6.73E-04	-1.27E-03	-2.90E-05
2.40E+02	6.30E-04	-1.28E-03	-1.40E-04
2.40E+02	6.30E-04	-1.26E-03	-2.25E-04
2.40E+02	6.71E-04	-1.24E-03	-3.01E-04
2.40E+02	7.35E-04	-1.24E-03	-4.00E-04
2.40E+02	7.65E-04	-1.25E-03	-4.19E-04
2.40E+02	8.02E-04	-1.25E-03	-3.69E-04
2.40E+02	8.60E-04	-1.22E-03	-2.62E-04
2.40E+02	8.48E-04	-1.19E-03	-1.72E-04
2.40E+02	8.05E-04	-1.20E-03	-1.72E-04
2.40E+02	7.65E-04	-1.21E-03	-1.57E-04
2.40E+02	7.19E-04	-1.21E-03	-1.28E-04

2.40E+02	6.68E-04	-1.21E-03	-1.52E-04
2.40E+02	5.46E-04	-1.23E-03	-1.74E-04
2.40E+02	4.29E-04	-1.24E-03	-2.03E-04
2.40E+02	3.81E-04	-1.23E-03	-2.57E-04
2.40E+02	3.26E-04	-1.25E-03	-3.17E-04
2.40E+02	2.73E-04	-1.31E-03	-4.00E-04
2.40E+02	2.40E-04	-1.36E-03	-4.21E-04
2.40E+02	2.37E-04	-1.41E-03	-4.25E-04
2.40E+02	2.69E-04	-1.46E-03	-4.81E-04
2.40E+02	2.66E-04	-1.48E-03	-4.78E-04
2.40E+02	2.60E-04	-1.47E-03	-4.40E-04
2.40E+02	3.00E-04	-1.43E-03	-3.71E-04
2.40E+02	2.99E-04	-1.41E-03	-2.90E-04
2.40E+02	2.75E-04	-1.45E-03	-3.14E-04
2.40E+02	2.90E-04	-1.47E-03	-3.20E-04
2.40E+02	3.15E-04	-1.47E-03	-2.64E-04
2.40E+02	3.56E-04	-1.49E-03	-2.46E-04
2.40E+02	3.58E-04	-1.48E-03	-2.07E-04
2.40E+02	3.26E-04	-1.46E-03	-1.72E-04
2.40E+02	3.50E-04	-1.42E-03	-1.30E-04
2.40E+02	3.40E-04	-1.37E-03	-3.47E-05
2.40E+02	2.86E-04	-1.35E-03	-2.21E-05
2.40E+02	2.62E-04	-1.28E-03	-3.57E-05
2.40E+02	2.34E-04	-1.20E-03	-4.86E-05
2.40E+02	2.38E-04	-1.14E-03	-1.45E-04
2.40E+02	2.36E-04	-1.07E-03	-2.15E-04
2.40E+02	2.14E-04	-1.02E-03	-2.61E-04
2.40E+02	2.56E-04	-9.70E-04	-2.80E-04
2.40E+02	2.70E-04	-9.39E-04	-2.34E-04
2.40E+02	2.38E-04	-9.86E-04	-2.53E-04
2.40E+02	2.35E-04	-1.07E-03	-3.04E-04
2.40E+02	2.54E-04	-1.13E-03	-3.31E-04
2.40E+02	3.11E-04	-1.18E-03	-4.09E-04
2.40E+02	3.59E-04	-1.21E-03	-4.62E-04
2.40E+02	3.93E-04	-1.21E-03	-4.67E-04
2.40E+02	5.04E-04	-1.19E-03	-4.62E-04
2.40E+02	6.23E-04	-1.15E-03	-3.64E-04
2.40E+02	6.86E-04	-1.15E-03	-2.36E-04
2.40E+02	7.46E-04	-1.18E-03	-1.20E-04
2.40E+02	7.90E-04	-1.22E-03	-7.63E-07
2.40E+02	8.26E-04	-1.28E-03	-1.14E-06
2.40E+02	8.15E-04	-1.32E-03	-6.22E-05
2.40E+02	7.36E-04	-1.30E-03	-1.04E-04
2.40E+02	7.00E-04	-1.23E-03	-1.39E-04
2.40E+02	6.70E-04	-1.11E-03	-8.81E-05
2.40E+02	6.03E-04	-1.01E-03	-5.11E-05
2.40E+02	5.72E-04	-9.46E-04	-6.47E-05

2.40E+02	5.60E-04	-9.17E-04	-3.20E-05
2.40E+02	5.67E-04	-9.33E-04	-4.58E-05
2.40E+02	5.72E-04	-9.69E-04	-1.12E-04
2.40E+02	5.44E-04	-9.93E-04	-2.09E-04
2.40E+02	5.66E-04	-9.95E-04	-3.43E-04
2.40E+02	6.02E-04	-9.72E-04	-4.11E-04
2.40E+02	6.04E-04	-9.63E-04	-4.60E-04
2.40E+02	6.29E-04	-9.61E-04	-4.83E-04
2.40E+02	6.72E-04	-9.31E-04	-3.85E-04
2.40E+02	7.34E-04	-9.14E-04	-3.24E-04
2.40E+02	7.83E-04	-9.33E-04	-3.48E-04
2.40E+02	7.80E-04	-9.62E-04	-3.69E-04
2.40E+02	8.17E-04	-9.68E-04	-3.93E-04
2.40E+02	8.58E-04	-9.40E-04	-3.68E-04
2.40E+02	8.26E-04	-9.37E-04	-3.66E-04
2.40E+02	7.80E-04	-9.79E-04	-4.27E-04
2.40E+02	7.27E-04	-1.02E-03	-4.16E-04
2.40E+02	6.71E-04	-1.07E-03	-3.66E-04
2.40E+02	5.95E-04	-1.14E-03	-3.47E-04
2.40E+02	4.79E-04	-1.20E-03	-3.12E-04
2.40E+02	4.15E-04	-1.22E-03	-2.52E-04
2.40E+02	3.86E-04	-1.21E-03	-1.46E-04
2.40E+02	3.19E-04	-1.17E-03	-2.21E-05
2.40E+02	2.61E-04	-1.14E-03	6.98E-05
2.40E+02	2.21E-04	-1.09E-03	2.02E-04
2.40E+02	1.97E-04	-1.04E-03	2.83E-04
2.40E+02	1.90E-04	-1.05E-03	2.30E-04
2.40E+02	1.52E-04	-1.05E-03	1.41E-04
2.40E+02	1.59E-04	-1.05E-03	3.72E-05
2.40E+02	2.07E-04	-1.01E-03	-2.16E-05
2.40E+02	2.05E-04	-9.76E-04	-5.61E-05
2.40E+02	1.89E-04	-9.73E-04	-1.33E-04
2.40E+02	1.81E-04	-9.33E-04	-1.56E-04
2.40E+02	1.88E-04	-8.79E-04	-1.76E-04
2.40E+02	2.03E-04	-8.16E-04	-2.28E-04
2.40E+02	1.80E-04	-7.16E-04	-2.53E-04
2.40E+02	1.94E-04	-6.32E-04	-3.48E-04
2.40E+02	2.69E-04	-5.56E-04	-4.43E-04
2.40E+02	3.08E-04	-4.96E-04	-4.60E-04
2.40E+02	3.28E-04	-5.19E-04	-4.96E-04
2.40E+02	3.58E-04	-5.81E-04	-4.51E-04
2.40E+02	3.74E-04	-6.60E-04	-3.22E-04
2.40E+02	3.86E-04	-7.66E-04	-2.32E-04
2.40E+02	3.53E-04	-8.59E-04	-1.15E-04
2.40E+02	3.14E-04	-9.16E-04	1.83E-05
2.40E+02	3.13E-04	-9.13E-04	1.42E-04
2.40E+02	2.77E-04	-8.84E-04	2.40E-04

2.40E+02	2.22E-04	-8.94E-04	2.32E-04
2.40E+02	1.80E-04	-9.08E-04	2.22E-04
2.40E+02	1.49E-04	-9.32E-04	2.30E-04
2.40E+02	1.39E-04	-9.98E-04	1.97E-04
2.40E+02	8.62E-05	-1.08E-03	2.01E-04
2.40E+02	3.09E-05	-1.15E-03	1.97E-04
2.40E+02	3.93E-05	-1.18E-03	1.71E-04
2.40E+02	3.51E-05	-1.16E-03	1.54E-04
2.40E+02	4.77E-06	-1.13E-03	7.19E-05
2.40E+02	-1.95E-05	-1.07E-03	6.68E-06
2.40E+02	-2.75E-05	-9.92E-04	-3.43E-06
2.40E+02	-1.18E-05	-9.31E-04	-6.22E-05
2.40E+02	-3.83E-05	-8.96E-04	-1.61E-04
2.40E+02	-7.71E-05	-8.66E-04	-2.66E-04
2.40E+02	-6.75E-05	-7.94E-04	-3.49E-04
2.40E+02	-9.69E-05	-7.40E-04	-4.33E-04
2.40E+02	-1.55E-04	-7.20E-04	-5.58E-04
2.40E+02	-1.82E-04	-6.78E-04	-6.02E-04
2.40E+02	-1.95E-04	-6.25E-04	-5.31E-04
2.40E+02	-1.83E-04	-5.67E-04	-4.30E-04
2.40E+02	-2.06E-04	-5.10E-04	-2.84E-04
2.40E+02	-2.44E-04	-4.78E-04	-1.48E-04
2.40E+02	-2.06E-04	-4.57E-04	-5.84E-05
2.40E+02	-1.71E-04	-4.37E-04	2.84E-05
2.40E+02	-1.70E-04	-4.77E-04	4.88E-05
2.40E+02	-1.49E-04	-5.35E-04	7.15E-05
2.40E+02	-1.18E-04	-5.75E-04	1.39E-04
2.40E+02	-6.39E-05	-6.56E-04	9.59E-05
2.40E+02	-1.35E-05	-7.27E-04	2.57E-05
2.40E+02	8.20E-06	-7.84E-04	-1.56E-05
2.40E+02	7.51E-05	-8.25E-04	-5.00E-05
2.40E+02	1.47E-04	-8.01E-04	1.91E-07
2.40E+02	1.67E-04	-7.90E-04	2.31E-05
2.40E+02	1.97E-04	-7.86E-04	1.09E-05
2.40E+02	2.19E-04	-7.56E-04	3.57E-05
2.40E+02	2.15E-04	-7.45E-04	2.48E-05
2.40E+02	1.78E-04	-7.31E-04	-1.66E-05
2.40E+02	8.87E-05	-7.11E-04	-7.17E-05
2.40E+02	3.81E-05	-6.72E-04	-1.26E-04
2.40E+02	2.67E-06	-5.94E-04	-1.20E-04
2.40E+02	-8.60E-05	-5.46E-04	-1.21E-04
2.40E+02	-1.75E-04	-5.06E-04	-1.26E-04
2.40E+02	-2.58E-04	-4.27E-04	-3.78E-05
2.40E+02	-3.23E-04	-3.71E-04	3.09E-05
2.40E+02	-3.91E-04	-3.34E-04	7.61E-05
2.40E+02	-4.73E-04	-3.00E-04	1.50E-04
2.40E+02	-4.86E-04	-2.52E-04	2.09E-04

2.40E+02	-4.67E-04	-1.65E-04	2.83E-04
2.40E+02	-4.75E-04	-1.27E-04	2.63E-04
2.40E+02	-4.67E-04	-1.38E-04	1.39E-04
2.40E+02	-4.37E-04	-1.44E-04	5.23E-05
2.40E+02	-3.81E-04	-1.86E-04	-3.95E-05
2.40E+02	-3.40E-04	-2.49E-04	-1.21E-04
2.40E+02	-3.47E-04	-3.14E-04	-1.44E-04
2.40E+02	-3.26E-04	-3.69E-04	-1.35E-04
2.40E+02	-3.00E-04	-3.72E-04	-6.08E-05
2.40E+02	-3.39E-04	-3.71E-04	2.17E-05
2.40E+02	-3.96E-04	-3.66E-04	8.81E-05
2.40E+02	-4.40E-04	-3.05E-04	2.17E-04
2.40E+02	-4.76E-04	-2.35E-04	2.99E-04
2.40E+02	-5.13E-04	-1.71E-04	2.70E-04
2.40E+02	-5.71E-04	-1.04E-04	2.09E-04
2.40E+02	-5.91E-04	-3.43E-05	1.22E-04
2.40E+02	-5.63E-04	5.09E-05	6.24E-05
2.40E+02	-5.64E-04	9.29E-05	1.81E-05
2.40E+02	-5.60E-04	1.00E-04	-1.45E-05
2.40E+02	-5.41E-04	1.10E-04	3.07E-05
2.40E+02	-5.07E-04	9.21E-05	7.48E-05
2.40E+02	-4.51E-04	7.08E-05	1.07E-04
2.40E+02	-4.44E-04	4.08E-05	1.64E-04
2.41E+02	-4.26E-04	-1.05E-05	1.72E-04
2.41E+02	-3.72E-04	-4.25E-05	1.53E-04
2.41E+02	-3.75E-04	-8.05E-05	1.01E-04
2.41E+02	-4.09E-04	-1.33E-04	-3.62E-06
2.41E+02	-4.56E-04	-1.42E-04	-3.57E-05
2.41E+02	-4.95E-04	-1.32E-04	-5.95E-05
2.41E+02	-5.21E-04	-1.24E-04	-1.23E-04
2.41E+02	-5.82E-04	-9.35E-05	-9.35E-05
2.41E+02	-6.13E-04	-3.74E-05	-1.03E-05
2.41E+02	-5.84E-04	7.15E-05	1.16E-04
2.41E+02	-5.84E-04	1.65E-04	2.01E-04
2.41E+02	-5.91E-04	1.96E-04	1.48E-04
2.41E+02	-5.81E-04	2.20E-04	1.45E-04
2.41E+02	-5.63E-04	2.12E-04	2.13E-04
2.41E+02	-5.31E-04	1.83E-04	2.62E-04
2.41E+02	-5.48E-04	1.65E-04	3.08E-04
2.41E+02	-5.61E-04	1.42E-04	3.05E-04
2.41E+02	-5.32E-04	1.60E-04	2.98E-04
2.41E+02	-5.38E-04	2.07E-04	3.11E-04
2.41E+02	-5.88E-04	2.29E-04	2.45E-04
2.41E+02	-6.65E-04	2.84E-04	1.85E-04
2.41E+02	-7.35E-04	3.73E-04	1.64E-04
2.41E+02	-7.94E-04	4.24E-04	9.69E-05
2.41E+02	-8.78E-04	4.52E-04	7.02E-05

2.41E+02	-9.34E-04	4.74E-04	9.06E-05
2.41E+02	-9.17E-04	5.08E-04	1.33E-04
2.41E+02	-9.09E-04	5.31E-04	1.58E-04
2.41E+02	-9.20E-04	5.12E-04	4.79E-05
2.41E+02	-9.16E-04	5.05E-04	-1.09E-04
2.41E+02	-9.04E-04	5.18E-04	-2.29E-04
2.41E+02	-8.83E-04	5.49E-04	-3.11E-04
2.41E+02	-9.16E-04	5.97E-04	-2.94E-04
2.41E+02	-9.79E-04	6.26E-04	-2.19E-04
2.41E+02	-9.92E-04	6.67E-04	-9.65E-05
2.41E+02	-1.01E-03	7.11E-04	6.66E-05
2.41E+02	-1.05E-03	7.09E-04	1.46E-04
2.41E+02	-1.07E-03	7.19E-04	1.93E-04
2.41E+02	-1.06E-03	7.54E-04	2.55E-04
2.41E+02	-1.00E-03	7.82E-04	2.30E-04
2.41E+02	-9.58E-04	8.18E-04	1.93E-04
2.41E+02	-9.36E-04	8.37E-04	2.03E-04
2.41E+02	-8.60E-04	8.57E-04	2.51E-04
2.41E+02	-8.17E-04	8.70E-04	3.31E-04
2.41E+02	-8.27E-04	8.20E-04	3.13E-04
2.41E+02	-8.14E-04	7.74E-04	2.65E-04
2.41E+02	-7.96E-04	7.63E-04	2.90E-04
2.41E+02	-7.62E-04	7.39E-04	3.06E-04
2.41E+02	-7.50E-04	7.28E-04	3.33E-04
2.41E+02	-7.66E-04	7.18E-04	3.62E-04
2.41E+02	-7.10E-04	7.09E-04	3.44E-04
2.41E+02	-6.43E-04	7.22E-04	2.95E-04
2.41E+02	-6.09E-04	7.03E-04	1.71E-04
2.41E+02	-5.49E-04	6.81E-04	3.95E-05
2.41E+02	-4.86E-04	6.91E-04	-1.01E-05
2.41E+02	-4.15E-04	6.91E-04	-6.31E-05
2.41E+02	-3.83E-04	6.94E-04	-1.22E-04
2.41E+02	-4.16E-04	7.17E-04	-1.47E-04
2.41E+02	-4.15E-04	7.71E-04	-1.32E-04
2.41E+02	-4.29E-04	8.50E-04	-2.40E-05
2.41E+02	-4.75E-04	8.90E-04	6.81E-05
2.41E+02	-4.85E-04	9.06E-04	1.11E-04
2.41E+02	-4.79E-04	9.37E-04	1.86E-04
2.41E+02	-4.30E-04	9.63E-04	2.10E-04
2.41E+02	-3.83E-04	9.73E-04	2.19E-04
2.41E+02	-3.75E-04	9.66E-04	2.65E-04
2.41E+02	-3.11E-04	9.61E-04	2.80E-04
2.41E+02	-2.50E-04	9.78E-04	3.12E-04
2.41E+02	-2.48E-04	9.80E-04	3.38E-04
2.41E+02	-2.69E-04	9.61E-04	3.39E-04
2.41E+02	-3.06E-04	9.72E-04	3.99E-04
2.41E+02	-3.23E-04	9.86E-04	4.10E-04

2.41E+02	-3.79E-04	9.76E-04	3.14E-04
2.41E+02	-4.92E-04	9.65E-04	1.76E-04
2.41E+02	-5.51E-04	9.81E-04	-8.58E-06
2.41E+02	-5.74E-04	1.05E-03	-1.59E-04
2.41E+02	-6.04E-04	1.10E-03	-2.98E-04
2.41E+02	-6.01E-04	1.11E-03	-4.25E-04
2.41E+02	-5.73E-04	1.12E-03	-4.08E-04
2.41E+02	-5.32E-04	1.12E-03	-3.32E-04
2.41E+02	-5.05E-04	1.10E-03	-2.19E-04
2.41E+02	-5.31E-04	1.08E-03	-4.96E-05
2.41E+02	-5.41E-04	1.06E-03	8.09E-05
2.41E+02	-5.31E-04	1.06E-03	1.96E-04
2.41E+02	-5.69E-04	1.06E-03	2.55E-04
2.41E+02	-6.12E-04	1.04E-03	2.47E-04
2.41E+02	-6.47E-04	1.06E-03	2.95E-04
2.41E+02	-6.66E-04	1.08E-03	3.33E-04
2.41E+02	-6.92E-04	1.06E-03	3.04E-04
2.41E+02	-7.80E-04	1.02E-03	3.10E-04
2.41E+02	-8.27E-04	9.83E-04	3.41E-04
2.41E+02	-8.25E-04	9.86E-04	3.82E-04
2.41E+02	-8.60E-04	9.76E-04	3.87E-04
2.41E+02	-8.82E-04	9.52E-04	3.11E-04
2.41E+02	-8.73E-04	9.56E-04	2.89E-04
2.41E+02	-8.37E-04	9.64E-04	3.02E-04
2.41E+02	-7.82E-04	9.69E-04	2.52E-04
2.41E+02	-7.77E-04	9.73E-04	1.93E-04
2.41E+02	-7.62E-04	9.68E-04	1.30E-04
2.41E+02	-7.05E-04	9.76E-04	1.06E-04
2.41E+02	-6.92E-04	9.63E-04	1.11E-04
2.41E+02	-6.88E-04	9.14E-04	3.70E-05
2.41E+02	-6.71E-04	8.85E-04	-2.86E-06
2.41E+02	-6.57E-04	8.69E-04	1.34E-06
2.41E+02	-6.35E-04	8.42E-04	-3.38E-05
2.41E+02	-6.56E-04	8.27E-04	9.73E-06
2.41E+02	-6.84E-04	8.26E-04	1.08E-04
2.41E+02	-6.79E-04	8.61E-04	2.34E-04
2.41E+02	-7.22E-04	8.93E-04	3.58E-04
2.41E+02	-7.90E-04	8.68E-04	3.77E-04
2.41E+02	-8.29E-04	8.45E-04	4.06E-04
2.41E+02	-8.69E-04	8.29E-04	4.41E-04
2.41E+02	-9.08E-04	7.90E-04	3.74E-04
2.41E+02	-9.85E-04	7.49E-04	2.58E-04
2.41E+02	-1.08E-03	7.07E-04	9.61E-05
2.41E+02	-1.09E-03	6.93E-04	-5.17E-05
2.41E+02	-1.11E-03	6.95E-04	-1.24E-04
2.41E+02	-1.14E-03	6.77E-04	-1.74E-04
2.41E+02	-1.13E-03	6.94E-04	-1.28E-04

2.41E+02	-1.12E-03	7.28E-04	-3.43E-05
2.41E+02	-1.10E-03	7.56E-04	-7.82E-06
2.41E+02	-1.11E-03	7.84E-04	2.98E-05
2.41E+02	-1.17E-03	8.00E-04	8.01E-05
2.41E+02	-1.17E-03	8.58E-04	1.32E-04
2.41E+02	-1.21E-03	9.06E-04	1.39E-04
2.41E+02	-1.29E-03	9.03E-04	2.52E-05
2.41E+02	-1.31E-03	9.26E-04	-6.14E-05
2.41E+02	-1.30E-03	9.48E-04	-4.56E-05
2.41E+02	-1.28E-03	9.49E-04	-3.60E-05
2.41E+02	-1.28E-03	9.44E-04	-1.66E-05
2.41E+02	-1.30E-03	9.30E-04	2.98E-05
2.41E+02	-1.27E-03	9.42E-04	1.12E-04
2.41E+02	-1.27E-03	9.72E-04	2.75E-04
2.41E+02	-1.29E-03	9.79E-04	4.01E-04
2.41E+02	-1.33E-03	9.90E-04	4.83E-04
2.41E+02	-1.36E-03	1.02E-03	5.45E-04
2.41E+02	-1.36E-03	1.02E-03	4.66E-04
2.41E+02	-1.38E-03	1.00E-03	3.35E-04
2.41E+02	-1.42E-03	9.77E-04	2.22E-04
2.41E+02	-1.38E-03	9.66E-04	1.26E-04
2.41E+02	-1.36E-03	9.47E-04	8.98E-05
2.41E+02	-1.38E-03	8.90E-04	3.38E-05
2.41E+02	-1.37E-03	8.36E-04	4.58E-06
2.41E+02	-1.35E-03	8.00E-04	7.32E-05
2.41E+02	-1.31E-03	7.66E-04	1.46E-04
2.41E+02	-1.30E-03	7.24E-04	2.07E-04
2.41E+02	-1.34E-03	6.75E-04	2.24E-04
2.41E+02	-1.33E-03	6.36E-04	1.63E-04
2.41E+02	-1.28E-03	6.37E-04	1.28E-04
2.41E+02	-1.27E-03	6.39E-04	1.11E-04
2.41E+02	-1.22E-03	6.24E-04	1.44E-04
2.41E+02	-1.16E-03	6.20E-04	2.86E-04
2.41E+02	-1.09E-03	5.81E-04	3.35E-04
2.41E+02	-1.04E-03	5.04E-04	2.84E-04
2.41E+02	-1.05E-03	4.42E-04	2.78E-04
2.41E+02	-1.03E-03	4.23E-04	3.08E-04
2.41E+02	-1.02E-03	4.63E-04	3.92E-04
2.41E+02	-1.07E-03	5.03E-04	4.08E-04
2.41E+02	-1.12E-03	5.23E-04	3.27E-04
2.41E+02	-1.14E-03	5.61E-04	2.97E-04
2.41E+02	-1.15E-03	5.69E-04	2.33E-04
2.41E+02	-1.15E-03	5.42E-04	1.51E-04
2.41E+02	-1.15E-03	5.25E-04	1.32E-04
2.41E+02	-1.12E-03	5.04E-04	9.57E-05
2.41E+02	-1.07E-03	5.16E-04	7.38E-05
2.41E+02	-1.06E-03	5.43E-04	2.67E-05

2.41E+02	-1.07E-03	5.63E-04	-6.20E-05
2.41E+02	-1.07E-03	6.11E-04	-7.21E-05
2.41E+02	-1.05E-03	6.40E-04	-5.89E-05
2.41E+02	-1.02E-03	6.35E-04	-1.60E-05
2.41E+02	-1.02E-03	6.16E-04	1.32E-04
2.41E+02	-9.89E-04	5.98E-04	2.93E-04
2.41E+02	-9.28E-04	5.95E-04	4.29E-04
2.41E+02	-9.14E-04	5.58E-04	4.61E-04
2.41E+02	-9.21E-04	4.95E-04	3.64E-04
2.41E+02	-9.30E-04	4.68E-04	2.93E-04
2.41E+02	-9.53E-04	4.67E-04	2.08E-04
2.41E+02	-9.69E-04	4.91E-04	1.04E-04
2.41E+02	-1.05E-03	5.24E-04	7.06E-05
2.41E+02	-1.11E-03	5.50E-04	8.91E-05
2.41E+02	-1.12E-03	6.03E-04	2.16E-04
2.41E+02	-1.18E-03	6.28E-04	3.71E-04
2.41E+02	-1.24E-03	5.99E-04	4.48E-04
2.41E+02	-1.29E-03	5.81E-04	5.06E-04
2.41E+02	-1.31E-03	5.51E-04	4.59E-04
2.41E+02	-1.28E-03	5.08E-04	2.98E-04
2.41E+02	-1.28E-03	4.95E-04	1.55E-04
2.41E+02	-1.24E-03	4.99E-04	2.67E-05
2.41E+02	-1.15E-03	5.41E-04	-3.05E-05
2.41E+02	-1.11E-03	5.82E-04	-3.11E-05
2.41E+02	-1.09E-03	5.80E-04	-7.00E-05
2.41E+02	-1.08E-03	5.77E-04	-3.59E-05
2.41E+02	-1.09E-03	5.74E-04	4.22E-05
2.41E+02	-1.11E-03	5.61E-04	7.40E-05
2.41E+02	-1.19E-03	5.52E-04	1.15E-04
2.41E+02	-1.25E-03	5.57E-04	1.13E-04
2.41E+02	-1.24E-03	5.91E-04	1.12E-04
2.41E+02	-1.25E-03	6.29E-04	1.41E-04
2.41E+02	-1.25E-03	6.26E-04	1.06E-04
2.41E+02	-1.21E-03	6.17E-04	1.07E-04
2.41E+02	-1.15E-03	6.00E-04	1.19E-04
2.42E+02	-1.06E-03	5.51E-04	5.53E-05
2.42E+02	-1.01E-03	5.05E-04	2.78E-05
2.42E+02	-9.92E-04	4.88E-04	1.60E-05
2.42E+02	-9.51E-04	5.34E-04	9.35E-06
2.42E+02	-9.52E-04	6.20E-04	2.98E-05
2.42E+02	-9.75E-04	6.91E-04	2.40E-05
2.42E+02	-9.77E-04	7.68E-04	8.74E-05
2.42E+02	-9.57E-04	8.41E-04	1.99E-04
2.42E+02	-9.13E-04	8.63E-04	2.13E-04
2.42E+02	-9.07E-04	8.50E-04	1.57E-04
2.42E+02	-9.17E-04	8.12E-04	4.48E-05
2.42E+02	-8.62E-04	7.72E-04	-7.76E-05

2.42E+02	-8.09E-04	7.60E-04	-1.31E-04
2.42E+02	-7.76E-04	7.48E-04	-1.74E-04
2.42E+02	-7.23E-04	7.44E-04	-1.28E-04
2.42E+02	-6.73E-04	7.57E-04	2.27E-05
2.42E+02	-6.20E-04	7.31E-04	1.16E-04
2.42E+02	-6.00E-04	6.68E-04	2.00E-04
2.42E+02	-6.14E-04	5.88E-04	2.87E-04
2.42E+02	-5.83E-04	5.09E-04	3.34E-04
2.42E+02	-5.56E-04	4.42E-04	3.51E-04
2.42E+02	-5.60E-04	3.48E-04	2.56E-04
2.42E+02	-5.40E-04	2.80E-04	1.87E-04
2.42E+02	-5.24E-04	2.57E-04	2.11E-04
2.42E+02	-5.13E-04	2.23E-04	1.76E-04
2.42E+02	-5.50E-04	1.97E-04	1.26E-04
2.42E+02	-6.36E-04	1.71E-04	4.16E-05
2.42E+02	-6.47E-04	1.64E-04	-7.46E-05
2.42E+02	-6.43E-04	1.73E-04	-1.15E-04
2.42E+02	-6.50E-04	1.55E-04	-1.17E-04
2.42E+02	-6.07E-04	1.48E-04	-4.23E-05
2.42E+02	-5.65E-04	1.25E-04	7.90E-05
2.42E+02	-4.91E-04	6.12E-05	1.11E-04
2.42E+02	-4.19E-04	-9.73E-06	1.12E-04
2.42E+02	-3.85E-04	-8.37E-05	1.03E-04
2.42E+02	-2.84E-04	-1.25E-04	7.51E-05
2.42E+02	-1.83E-04	-1.27E-04	7.63E-05
2.42E+02	-1.28E-04	-1.33E-04	3.01E-05
2.42E+02	-7.69E-05	-1.39E-04	-1.45E-05
2.42E+02	-5.15E-05	-1.26E-04	3.32E-05
2.42E+02	-3.68E-05	-1.03E-04	4.31E-05
2.42E+02	-6.48E-05	-7.25E-05	-2.86E-06
2.42E+02	-1.46E-04	-3.55E-05	-8.81E-05
2.42E+02	-1.62E-04	2.21E-05	-2.37E-04
2.42E+02	-1.35E-04	1.07E-04	-3.19E-04
2.42E+02	-1.38E-04	1.71E-04	-3.19E-04
2.42E+02	-1.11E-04	2.18E-04	-2.31E-04
2.42E+02	-8.62E-05	2.46E-04	-3.51E-05
2.42E+02	-7.53E-05	2.30E-04	8.16E-05
2.42E+02	-6.41E-05	2.03E-04	1.34E-04
2.42E+02	-1.10E-04	1.78E-04	2.05E-04
2.42E+02	-1.16E-04	1.87E-04	2.38E-04
2.42E+02	-9.17E-05	2.60E-04	2.95E-04
2.42E+02	-1.19E-04	3.29E-04	3.20E-04
2.42E+02	-1.14E-04	3.69E-04	3.06E-04
2.42E+02	-8.11E-05	3.98E-04	3.69E-04
2.42E+02	-2.96E-05	3.81E-04	4.22E-04
2.42E+02	2.37E-05	3.26E-04	4.37E-04
2.42E+02	3.81E-05	2.48E-04	4.21E-04

2.42E+02	9.23E-05	1.59E-04	3.32E-04
2.42E+02	1.76E-04	1.16E-04	2.57E-04
2.42E+02	2.19E-04	1.02E-04	1.77E-04
2.42E+02	2.61E-04	9.27E-05	5.51E-05
2.42E+02	2.86E-04	1.10E-04	-1.32E-05
2.42E+02	3.01E-04	1.22E-04	-7.97E-05
2.42E+02	3.31E-04	1.02E-04	-1.62E-04
2.42E+02	3.11E-04	6.79E-05	-1.67E-04
2.42E+02	3.00E-04	2.78E-05	-1.49E-04
2.42E+02	3.17E-04	2.48E-06	-1.25E-04
2.42E+02	2.71E-04	-1.70E-05	-1.16E-04
2.42E+02	2.19E-04	-4.06E-05	-1.26E-04
2.42E+02	1.99E-04	-2.37E-05	-4.96E-06
2.42E+02	2.17E-04	2.23E-05	1.84E-04
2.42E+02	2.62E-04	5.49E-05	3.45E-04
2.42E+02	2.69E-04	6.54E-05	5.09E-04
2.42E+02	3.06E-04	5.28E-05	6.09E-04
2.42E+02	4.00E-04	3.93E-05	6.66E-04
2.42E+02	4.46E-04	1.24E-05	6.55E-04
2.42E+02	4.61E-04	-3.80E-05	5.18E-04
2.42E+02	4.69E-04	-7.27E-05	4.06E-04
2.42E+02	4.69E-04	-1.08E-04	3.28E-04
2.42E+02	4.79E-04	-1.57E-04	2.39E-04
2.42E+02	4.27E-04	-1.97E-04	2.26E-04
2.42E+02	3.67E-04	-2.33E-04	2.49E-04
2.42E+02	3.48E-04	-2.48E-04	2.88E-04
2.42E+02	3.02E-04	-2.58E-04	3.06E-04
2.42E+02	2.64E-04	-2.96E-04	2.00E-04
2.42E+02	2.63E-04	-3.11E-04	1.06E-04
2.42E+02	2.96E-04	-2.94E-04	1.18E-04
2.42E+02	3.40E-04	-2.99E-04	1.30E-04
2.42E+02	3.40E-04	-3.14E-04	1.78E-04
2.42E+02	3.48E-04	-3.31E-04	2.43E-04
2.42E+02	4.02E-04	-3.53E-04	2.75E-04
2.42E+02	4.37E-04	-3.94E-04	3.25E-04
2.42E+02	4.44E-04	-4.72E-04	3.24E-04
2.42E+02	4.58E-04	-5.29E-04	3.46E-04
2.42E+02	4.83E-04	-5.49E-04	3.99E-04
2.42E+02	5.22E-04	-5.72E-04	3.60E-04
2.42E+02	5.14E-04	-6.01E-04	3.09E-04
2.42E+02	4.75E-04	-6.28E-04	2.78E-04
2.42E+02	4.82E-04	-6.24E-04	2.93E-04
2.42E+02	4.70E-04	-6.17E-04	3.42E-04
2.42E+02	4.48E-04	-6.54E-04	3.06E-04
2.42E+02	4.55E-04	-7.05E-04	2.72E-04
2.42E+02	4.70E-04	-7.40E-04	2.80E-04
2.42E+02	4.91E-04	-7.70E-04	2.53E-04

2.42E+02	4.60E-04	-7.97E-04	2.67E-04
2.42E+02	4.05E-04	-8.26E-04	3.11E-04
2.42E+02	4.08E-04	-8.43E-04	3.53E-04
2.42E+02	4.03E-04	-8.49E-04	4.21E-04
2.42E+02	3.72E-04	-8.95E-04	3.97E-04
2.42E+02	3.80E-04	-9.45E-04	3.48E-04
2.42E+02	3.87E-04	-9.71E-04	3.29E-04
2.42E+02	4.02E-04	-1.01E-03	2.35E-04
2.42E+02	4.10E-04	-1.03E-03	1.81E-04
2.42E+02	3.69E-04	-1.05E-03	1.72E-04
2.42E+02	3.62E-04	-1.04E-03	1.81E-04
2.42E+02	3.56E-04	-9.98E-04	2.34E-04
2.42E+02	3.24E-04	-9.80E-04	2.09E-04
2.42E+02	3.23E-04	-9.53E-04	1.94E-04
2.42E+02	3.42E-04	-8.92E-04	2.64E-04
2.42E+02	3.97E-04	-8.11E-04	2.82E-04
2.42E+02	4.31E-04	-7.11E-04	2.62E-04
2.42E+02	4.10E-04	-6.11E-04	2.16E-04
2.42E+02	4.36E-04	-5.15E-04	1.54E-04
2.42E+02	4.86E-04	-4.36E-04	1.56E-04
2.42E+02	4.99E-04	-4.26E-04	1.51E-04
2.42E+02	5.21E-04	-4.66E-04	1.30E-04
2.42E+02	5.46E-04	-5.08E-04	1.45E-04
2.42E+02	5.66E-04	-5.67E-04	1.02E-04
2.42E+02	5.73E-04	-6.32E-04	9.35E-06
2.42E+02	5.28E-04	-6.74E-04	-6.77E-05
2.42E+02	5.13E-04	-6.71E-04	-1.41E-04
2.42E+02	5.46E-04	-6.08E-04	-1.40E-04
2.42E+02	5.25E-04	-5.56E-04	-1.23E-04
2.42E+02	5.08E-04	-5.29E-04	-1.29E-04
2.42E+02	5.40E-04	-4.75E-04	-5.55E-05
2.42E+02	5.72E-04	-4.51E-04	3.81E-06
2.42E+02	5.94E-04	-4.68E-04	4.37E-05
2.42E+02	5.92E-04	-4.95E-04	1.27E-04
2.42E+02	6.29E-04	-5.41E-04	1.80E-04
2.42E+02	7.15E-04	-5.62E-04	2.27E-04
2.42E+02	7.73E-04	-5.78E-04	2.28E-04
2.42E+02	8.41E-04	-5.97E-04	1.63E-04
2.42E+02	9.31E-04	-5.75E-04	1.62E-04
2.42E+02	1.03E-03	-5.56E-04	1.61E-04
2.42E+02	1.14E-03	-5.39E-04	1.03E-04
2.42E+02	1.18E-03	-5.29E-04	4.69E-05
2.42E+02	1.21E-03	-5.31E-04	-3.66E-05
2.42E+02	1.23E-03	-4.93E-04	-1.06E-04
2.42E+02	1.18E-03	-4.75E-04	-1.64E-04
2.42E+02	1.12E-03	-4.74E-04	-2.57E-04
2.42E+02	1.06E-03	-4.63E-04	-3.25E-04

2.42E+02	1.00E-03	-4.65E-04	-3.95E-04
2.42E+02	9.63E-04	-4.55E-04	-4.54E-04
2.42E+02	8.98E-04	-4.48E-04	-4.25E-04
2.42E+02	8.77E-04	-4.55E-04	-3.46E-04
2.42E+02	9.25E-04	-4.54E-04	-2.34E-04
2.42E+02	9.49E-04	-4.70E-04	-1.67E-04
2.42E+02	9.71E-04	-5.09E-04	-2.12E-04
2.42E+02	1.00E-03	-5.18E-04	-2.36E-04
2.42E+02	1.04E-03	-5.13E-04	-2.30E-04
2.42E+02	1.10E-03	-5.25E-04	-2.31E-04
2.42E+02	1.12E-03	-5.31E-04	-1.63E-04
2.42E+02	1.13E-03	-5.38E-04	-6.35E-05
2.42E+02	1.18E-03	-5.37E-04	4.62E-05
2.42E+02	1.18E-03	-5.52E-04	1.08E-04
2.42E+02	1.14E-03	-6.07E-04	4.81E-05
2.42E+02	1.12E-03	-6.49E-04	-5.53E-06
2.42E+02	1.11E-03	-6.69E-04	-2.94E-05
2.42E+02	1.11E-03	-6.67E-04	-5.84E-05
2.42E+02	1.07E-03	-6.45E-04	-2.86E-05
2.42E+02	1.03E-03	-6.32E-04	-7.63E-06
2.42E+02	1.02E-03	-6.30E-04	-2.86E-05
2.42E+02	9.63E-04	-6.50E-04	-7.15E-05
2.42E+02	8.96E-04	-7.11E-04	-1.86E-04
2.42E+02	8.52E-04	-7.65E-04	-2.83E-04
2.42E+02	8.21E-04	-7.77E-04	-3.25E-04
2.42E+02	8.25E-04	-7.74E-04	-3.71E-04
2.42E+02	8.00E-04	-7.48E-04	-3.64E-04
2.42E+02	7.72E-04	-6.97E-04	-3.25E-04
2.42E+02	8.15E-04	-6.12E-04	-2.72E-04
2.42E+02	8.39E-04	-5.22E-04	-2.38E-04
2.42E+02	8.42E-04	-4.92E-04	-3.48E-04
2.42E+02	8.68E-04	-4.84E-04	-4.78E-04
2.42E+02	8.93E-04	-4.76E-04	-5.39E-04
2.42E+02	9.42E-04	-4.84E-04	-6.06E-04
2.42E+02	9.28E-04	-4.91E-04	-6.42E-04
2.42E+02	8.86E-04	-4.94E-04	-6.35E-04
2.42E+02	9.26E-04	-4.59E-04	-5.58E-04
2.42E+02	9.32E-04	-4.23E-04	-4.26E-04
2.42E+02	9.02E-04	-4.47E-04	-3.76E-04
2.42E+02	8.94E-04	-4.74E-04	-3.91E-04
2.42E+02	8.91E-04	-4.93E-04	-4.18E-04
2.42E+02	9.13E-04	-5.32E-04	-4.77E-04
2.42E+02	9.00E-04	-5.68E-04	-4.64E-04
2.42E+02	8.56E-04	-6.05E-04	-3.50E-04
2.42E+02	8.50E-04	-6.34E-04	-2.00E-04
2.42E+02	8.23E-04	-6.60E-04	-4.41E-05
2.42E+02	7.65E-04	-7.19E-04	1.45E-05

2.43E+02	7.27E-04	-7.90E-04	-5.34E-06
2.43E+02	7.14E-04	-8.32E-04	-3.40E-05
2.43E+02	7.19E-04	-8.55E-04	-1.55E-04
2.43E+02	7.04E-04	-8.62E-04	-2.96E-04
2.43E+02	6.78E-04	-8.29E-04	-3.91E-04
2.43E+02	6.91E-04	-7.70E-04	-4.81E-04
2.43E+02	6.99E-04	-7.00E-04	-4.88E-04
2.43E+02	6.75E-04	-6.48E-04	-4.86E-04
2.43E+02	6.50E-04	-6.21E-04	-5.11E-04
2.43E+02	6.28E-04	-5.73E-04	-5.07E-04
2.43E+02	6.29E-04	-5.13E-04	-5.97E-04
2.43E+02	6.44E-04	-4.29E-04	-6.85E-04
2.43E+02	6.35E-04	-3.31E-04	-6.61E-04
2.43E+02	6.64E-04	-2.53E-04	-5.94E-04
2.43E+02	7.07E-04	-1.91E-04	-4.71E-04
2.43E+02	6.95E-04	-1.89E-04	-3.89E-04
2.43E+02	7.02E-04	-2.31E-04	-3.53E-04
2.43E+02	7.33E-04	-2.71E-04	-2.59E-04
2.43E+02	7.63E-04	-3.37E-04	-2.11E-04
2.43E+02	7.59E-04	-4.13E-04	-2.47E-04
2.43E+02	6.86E-04	-4.81E-04	-3.02E-04
2.43E+02	6.29E-04	-5.38E-04	-3.76E-04
2.43E+02	5.77E-04	-5.67E-04	-4.18E-04
2.43E+02	4.85E-04	-6.14E-04	-4.57E-04
2.43E+02	4.15E-04	-6.63E-04	-5.14E-04
2.43E+02	3.75E-04	-6.62E-04	-5.02E-04
2.43E+02	3.76E-04	-6.55E-04	-5.09E-04
2.43E+02	4.10E-04	-6.45E-04	-5.75E-04
2.43E+02	4.15E-04	-6.28E-04	-6.09E-04
2.43E+02	4.60E-04	-6.14E-04	-6.25E-04
2.43E+02	5.41E-04	-5.76E-04	-5.91E-04
2.43E+02	5.71E-04	-5.69E-04	-5.75E-04
2.43E+02	6.16E-04	-5.93E-04	-6.41E-04
2.43E+02	7.07E-04	-5.74E-04	-6.49E-04
2.43E+02	8.26E-04	-5.44E-04	-6.12E-04
2.43E+02	9.50E-04	-5.16E-04	-5.60E-04
2.43E+02	1.01E-03	-4.84E-04	-4.64E-04
2.43E+02	1.06E-03	-4.44E-04	-4.10E-04
2.43E+02	1.14E-03	-3.85E-04	-3.86E-04
2.43E+02	1.14E-03	-3.51E-04	-3.79E-04
2.43E+02	1.11E-03	-3.39E-04	-4.20E-04
2.43E+02	1.08E-03	-3.10E-04	-3.87E-04
2.43E+02	1.06E-03	-2.87E-04	-3.19E-04
2.43E+02	1.04E-03	-2.83E-04	-3.10E-04
2.43E+02	9.70E-04	-2.98E-04	-2.71E-04
2.43E+02	9.08E-04	-3.30E-04	-2.16E-04
2.43E+02	8.84E-04	-3.52E-04	-1.50E-04

2.43E+02	8.15E-04	-3.91E-04	-1.14E-04
2.43E+02	7.40E-04	-4.59E-04	-2.07E-04
2.43E+02	7.20E-04	-4.72E-04	-2.72E-04
2.43E+02	7.41E-04	-4.40E-04	-2.75E-04
2.43E+02	7.93E-04	-4.07E-04	-3.19E-04
2.43E+02	8.28E-04	-3.52E-04	-3.20E-04
2.43E+02	8.54E-04	-3.11E-04	-2.88E-04
2.43E+02	9.19E-04	-2.66E-04	-2.50E-04
2.43E+02	9.49E-04	-2.37E-04	-2.28E-04
2.43E+02	9.20E-04	-2.66E-04	-3.17E-04
2.43E+02	8.90E-04	-2.58E-04	-3.87E-04
2.43E+02	8.73E-04	-2.20E-04	-3.88E-04
2.43E+02	8.63E-04	-1.99E-04	-4.33E-04
2.43E+02	8.05E-04	-1.65E-04	-4.54E-04
2.43E+02	7.31E-04	-1.34E-04	-4.59E-04
2.43E+02	7.05E-04	-9.19E-05	-4.54E-04
2.43E+02	6.49E-04	-7.42E-05	-4.08E-04
2.43E+02	5.84E-04	-1.25E-04	-4.06E-04
2.43E+02	5.57E-04	-1.74E-04	-3.86E-04
2.43E+02	5.41E-04	-2.08E-04	-3.34E-04
2.43E+02	5.32E-04	-2.52E-04	-3.48E-04
2.43E+02	4.84E-04	-2.72E-04	-3.64E-04
2.43E+02	4.28E-04	-2.67E-04	-3.60E-04
2.43E+02	4.44E-04	-2.39E-04	-3.14E-04
2.43E+02	4.52E-04	-1.97E-04	-2.32E-04
2.43E+02	4.38E-04	-1.96E-04	-2.21E-04
2.43E+02	4.53E-04	-1.98E-04	-1.91E-04
2.43E+02	4.88E-04	-1.76E-04	-1.06E-04
2.43E+02	5.37E-04	-1.86E-04	-1.02E-04
2.43E+02	5.41E-04	-2.08E-04	-9.73E-05
2.43E+02	5.07E-04	-1.94E-04	-1.85E-05
2.43E+02	4.97E-04	-1.40E-04	7.02E-05
2.43E+02	4.55E-04	-7.40E-05	1.52E-04
2.43E+02	3.93E-04	-2.29E-05	1.84E-04
2.43E+02	3.60E-04	1.72E-05	2.25E-04
2.43E+02	3.40E-04	4.79E-05	3.11E-04
2.43E+02	3.44E-04	5.87E-05	3.22E-04
2.43E+02	3.37E-04	5.46E-05	2.64E-04
2.43E+02	3.15E-04	4.63E-05	1.44E-04
2.43E+02	3.67E-04	4.96E-05	-2.42E-05
2.43E+02	4.19E-04	4.98E-05	-1.43E-04
2.43E+02	4.48E-04	1.56E-05	-2.51E-04
2.43E+02	5.15E-04	-6.10E-06	-2.99E-04
2.43E+02	5.97E-04	9.54E-07	-2.32E-04
2.43E+02	7.07E-04	-1.09E-05	-2.13E-04
2.43E+02	7.90E-04	-3.68E-05	-2.33E-04
2.43E+02	8.39E-04	-6.62E-05	-2.35E-04

2.43E+02	9.27E-04	-6.96E-05	-2.62E-04
2.43E+02	9.99E-04	-3.93E-05	-2.68E-04
2.43E+02	1.03E-03	-1.83E-05	-2.97E-04
2.43E+02	1.07E-03	1.60E-05	-2.89E-04
2.43E+02	1.12E-03	8.07E-05	-1.60E-04
2.43E+02	1.17E-03	1.29E-04	-6.24E-05
2.43E+02	1.18E-03	1.49E-04	-1.91E-05
2.43E+02	1.14E-03	1.42E-04	-1.91E-05
2.43E+02	1.14E-03	1.15E-04	-9.21E-05
2.43E+02	1.15E-03	9.57E-05	-1.43E-04
2.43E+02	1.13E-03	6.20E-05	-1.94E-04
2.43E+02	1.12E-03	2.86E-05	-2.37E-04
2.43E+02	1.13E-03	2.54E-05	-1.79E-04
2.43E+02	1.13E-03	1.72E-06	-1.35E-04
2.43E+02	1.10E-03	-4.56E-05	-1.31E-04
2.43E+02	1.03E-03	-9.67E-05	-1.14E-04
2.43E+02	1.01E-03	-1.30E-04	-1.19E-04
2.43E+02	9.98E-04	-1.26E-04	-1.25E-04
2.43E+02	9.49E-04	-1.31E-04	-2.00E-04
2.43E+02	9.41E-04	-1.16E-04	-3.15E-04
2.43E+02	9.67E-04	-4.81E-05	-3.48E-04
2.43E+02	9.97E-04	8.39E-06	-3.80E-04
2.43E+02	1.02E-03	4.67E-05	-4.15E-04
2.43E+02	1.02E-03	8.95E-05	-3.89E-04
2.43E+02	1.05E-03	1.27E-04	-3.18E-04
2.43E+02	1.13E-03	1.64E-04	-1.81E-04
2.43E+02	1.14E-03	1.73E-04	-5.68E-05
2.43E+02	1.13E-03	1.40E-04	-4.20E-06
2.43E+02	1.09E-03	1.05E-04	6.07E-05
2.43E+02	1.02E-03	6.18E-05	8.54E-05
2.43E+02	9.53E-04	1.45E-05	6.31E-05
2.43E+02	8.48E-04	-1.13E-05	6.29E-05
2.43E+02	7.71E-04	-9.92E-06	1.14E-05
2.43E+02	7.62E-04	2.88E-05	-2.75E-05
2.43E+02	7.39E-04	4.62E-05	-3.41E-05
2.43E+02	7.22E-04	3.19E-05	-5.76E-05
2.43E+02	7.50E-04	3.87E-05	2.54E-05
2.43E+02	7.74E-04	2.25E-05	1.15E-04
2.43E+02	7.90E-04	-9.35E-06	1.26E-04
2.43E+02	7.65E-04	-2.00E-05	1.34E-04
2.43E+02	7.43E-04	-1.89E-05	7.67E-05
2.43E+02	7.66E-04	1.89E-05	-1.05E-05
2.43E+02	7.43E-04	6.50E-05	-1.15E-04
2.43E+02	7.11E-04	9.90E-05	-2.63E-04
2.43E+02	7.09E-04	1.49E-04	-2.97E-04
2.43E+02	7.33E-04	1.89E-04	-2.43E-04
2.43E+02	7.94E-04	1.98E-04	-2.31E-04

2.43E+02	8.12E-04	1.77E-04	-2.02E-04
2.43E+02	8.27E-04	1.49E-04	-1.67E-04
2.43E+02	8.72E-04	1.61E-04	-1.25E-04
2.43E+02	8.51E-04	1.87E-04	-9.82E-05
2.43E+02	7.92E-04	2.06E-04	-1.66E-04
2.43E+02	7.42E-04	2.57E-04	-1.97E-04
2.43E+02	6.98E-04	3.18E-04	-1.79E-04
2.43E+02	6.58E-04	3.56E-04	-1.87E-04
2.43E+02	5.78E-04	3.69E-04	-1.62E-04
2.43E+02	5.12E-04	3.64E-04	-1.41E-04
2.43E+02	4.83E-04	3.44E-04	-1.24E-04
2.43E+02	4.31E-04	3.19E-04	-7.55E-05
2.43E+02	3.89E-04	2.90E-04	-6.14E-05
2.43E+02	3.63E-04	2.78E-04	-1.20E-05
2.43E+02	3.54E-04	3.03E-04	7.25E-05
2.43E+02	3.68E-04	3.07E-04	5.17E-05
2.43E+02	3.54E-04	3.03E-04	4.58E-06
2.43E+02	3.52E-04	3.17E-04	1.91E-07
2.43E+02	4.03E-04	3.55E-04	2.44E-05
2.43E+02	4.26E-04	3.84E-04	5.17E-05
2.43E+02	3.95E-04	3.39E-04	-4.96E-05
2.43E+02	3.53E-04	2.80E-04	-1.76E-04
2.43E+02	3.07E-04	2.29E-04	-2.29E-04
2.43E+02	2.49E-04	1.66E-04	-3.00E-04
2.43E+02	1.70E-04	1.17E-04	-2.97E-04
2.43E+02	9.61E-05	8.30E-05	-2.29E-04
2.43E+02	8.30E-05	7.99E-05	-1.54E-04
2.43E+02	9.56E-05	1.02E-04	-4.92E-05
2.43E+02	7.95E-05	9.50E-05	-8.93E-05
2.43E+02	8.05E-05	1.09E-04	-2.12E-04
2.43E+02	1.11E-04	1.75E-04	-2.88E-04
2.43E+02	1.51E-04	2.23E-04	-4.18E-04
2.43E+02	1.70E-04	2.76E-04	-4.98E-04
2.43E+02	1.54E-04	3.44E-04	-4.79E-04
2.43E+02	1.72E-04	4.26E-04	-4.05E-04
2.43E+02	1.69E-04	5.18E-04	-2.50E-04
2.43E+02	1.04E-04	5.54E-04	-1.42E-04
2.43E+02	5.57E-05	5.74E-04	-8.66E-05
2.43E+02	2.12E-05	6.15E-04	-1.47E-05
2.43E+02	1.30E-05	6.49E-04	-1.66E-05
2.43E+02	1.22E-05	6.89E-04	-6.56E-05
2.43E+02	-4.96E-06	7.28E-04	-1.15E-04
2.43E+02	4.08E-05	7.66E-04	-1.58E-04
2.43E+02	1.17E-04	8.12E-04	-1.24E-04
2.43E+02	1.61E-04	8.25E-04	-9.35E-05
2.43E+02	2.04E-04	8.07E-04	-8.77E-05
2.43E+02	2.44E-04	8.05E-04	-4.96E-05

2.43E+02	2.92E-04	7.97E-04	-8.01E-05
2.43E+02	3.23E-04	7.84E-04	-1.54E-04
2.43E+02	3.12E-04	7.86E-04	-2.14E-04
2.43E+02	3.40E-04	8.00E-04	-2.42E-04
2.43E+02	3.86E-04	8.37E-04	-1.86E-04
2.43E+02	3.88E-04	8.32E-04	-1.75E-04
2.43E+02	4.01E-04	7.84E-04	-2.28E-04
2.43E+02	4.32E-04	7.53E-04	-2.39E-04
2.43E+02	4.71E-04	7.16E-04	-2.98E-04
2.43E+02	4.90E-04	6.80E-04	-3.79E-04
2.43E+02	4.48E-04	6.72E-04	-4.13E-04
2.43E+02	4.27E-04	6.95E-04	-4.20E-04
2.44E+02	4.17E-04	7.56E-04	-3.56E-04
2.44E+02	3.54E-04	8.05E-04	-3.05E-04
2.44E+02	2.92E-04	8.18E-04	-3.17E-04
2.44E+02	2.40E-04	8.33E-04	-2.81E-04
2.44E+02	2.03E-04	8.33E-04	-2.71E-04
2.44E+02	1.82E-04	8.01E-04	-3.14E-04
2.44E+02	1.30E-04	7.66E-04	-2.84E-04
2.44E+02	1.04E-04	7.41E-04	-2.07E-04
2.44E+02	1.08E-04	7.40E-04	-1.00E-04
2.44E+02	7.36E-05	7.26E-04	-4.60E-05
2.44E+02	4.27E-05	6.80E-04	-8.83E-05
2.44E+02	3.40E-05	6.65E-04	-8.32E-05
2.44E+02	3.28E-05	6.64E-04	-9.31E-05
2.44E+02	3.47E-05	6.57E-04	-2.02E-04
2.44E+02	1.14E-06	6.76E-04	-3.11E-04
2.44E+02	-1.26E-05	7.14E-04	-4.04E-04
2.44E+02	2.27E-05	7.77E-04	-4.22E-04
2.44E+02	2.69E-05	8.33E-04	-3.37E-04
2.44E+02	-2.48E-06	8.27E-04	-2.73E-04
2.44E+02	-2.44E-05	8.14E-04	-1.89E-04
2.44E+02	-2.98E-05	7.98E-04	-1.11E-04
2.44E+02	-2.12E-05	7.39E-04	-1.32E-04
2.44E+02	-4.71E-05	6.80E-04	-1.38E-04
2.44E+02	-6.58E-05	6.55E-04	-1.49E-04
2.44E+02	-1.89E-05	6.71E-04	-1.79E-04
2.44E+02	-6.48E-06	7.02E-04	-1.68E-04
2.44E+02	-1.72E-06	7.03E-04	-1.47E-04
2.44E+02	5.70E-05	7.11E-04	-3.85E-05
2.44E+02	1.22E-04	7.10E-04	1.09E-04
2.44E+02	1.91E-04	6.57E-04	1.72E-04
2.44E+02	2.07E-04	5.91E-04	1.85E-04
2.44E+02	2.12E-04	5.29E-04	1.55E-04
2.44E+02	2.78E-04	4.96E-04	1.35E-04
2.44E+02	3.11E-04	5.07E-04	1.66E-04
2.44E+02	3.06E-04	5.05E-04	1.81E-04

2.44E+02	2.98E-04	5.08E-04	2.34E-04
2.44E+02	2.81E-04	5.06E-04	2.78E-04
2.44E+02	2.74E-04	4.70E-04	1.99E-04
2.44E+02	2.26E-04	4.42E-04	1.18E-04
2.44E+02	1.71E-04	4.22E-04	4.65E-05
2.44E+02	1.73E-04	4.39E-04	-3.24E-06
2.44E+02	1.34E-04	4.69E-04	-1.66E-05
2.44E+02	8.14E-05	4.66E-04	-1.14E-04
2.44E+02	8.16E-05	4.75E-04	-1.70E-04
2.44E+02	9.52E-05	4.71E-04	-1.21E-04
2.44E+02	1.37E-04	4.42E-04	-6.89E-05
2.44E+02	1.54E-04	4.15E-04	3.11E-05
2.44E+02	1.49E-04	3.83E-04	1.15E-04
2.44E+02	2.04E-04	3.56E-04	1.32E-04
2.44E+02	2.27E-04	3.24E-04	1.16E-04
2.44E+02	1.92E-04	2.63E-04	1.20E-05
2.44E+02	1.61E-04	2.16E-04	-4.86E-05
2.44E+02	1.33E-04	2.05E-04	3.43E-05
2.44E+02	1.25E-04	1.92E-04	1.24E-04
2.44E+02	9.57E-05	1.72E-04	2.22E-04
2.44E+02	4.02E-05	1.32E-04	3.34E-04
2.44E+02	3.81E-05	8.95E-05	4.11E-04
2.44E+02	3.68E-05	6.18E-05	4.59E-04
2.44E+02	9.54E-07	-7.63E-07	4.08E-04
2.44E+02	-2.06E-05	-3.62E-05	3.28E-04
2.44E+02	-3.53E-05	8.58E-06	3.12E-04
2.44E+02	-4.50E-05	6.79E-05	2.64E-04
2.44E+02	-8.18E-05	1.37E-04	1.93E-04
2.44E+02	-1.47E-04	2.01E-04	1.25E-04
2.44E+02	-1.68E-04	2.42E-04	1.51E-05
2.44E+02	-1.82E-04	2.80E-04	-7.92E-05
2.44E+02	-2.13E-04	2.93E-04	-1.76E-04
2.44E+02	-2.12E-04	3.04E-04	-2.42E-04
2.44E+02	-1.97E-04	3.44E-04	-1.87E-04
2.44E+02	-1.65E-04	3.75E-04	-1.49E-04
2.44E+02	-1.58E-04	3.87E-04	-1.46E-04
2.44E+02	-2.06E-04	3.78E-04	-1.09E-04
2.44E+02	-2.26E-04	3.65E-04	-8.28E-05
2.44E+02	-2.29E-04	3.74E-04	-4.73E-05
2.44E+02	-2.50E-04	3.63E-04	-5.66E-05
2.44E+02	-2.38E-04	3.46E-04	-6.68E-05
2.44E+02	-2.02E-04	3.58E-04	1.85E-05
2.44E+02	-1.51E-04	3.72E-04	7.32E-05
2.44E+02	-1.32E-04	3.85E-04	1.03E-04
2.44E+02	-1.80E-04	3.92E-04	1.42E-04
2.44E+02	-2.06E-04	3.82E-04	1.12E-04
2.44E+02	-2.12E-04	3.82E-04	8.47E-05

2.44E+02	-2.57E-04	3.67E-04	6.87E-05
2.44E+02	-3.07E-04	3.48E-04	3.15E-05
2.44E+02	-3.38E-04	3.57E-04	4.46E-05
2.44E+02	-3.41E-04	3.52E-04	8.47E-05
2.44E+02	-3.50E-04	3.32E-04	1.59E-04
2.44E+02	-4.03E-04	3.17E-04	2.46E-04
2.44E+02	-4.42E-04	3.05E-04	2.18E-04
2.44E+02	-4.55E-04	3.37E-04	1.87E-04
2.44E+02	-4.91E-04	3.91E-04	1.98E-04
2.44E+02	-5.33E-04	4.09E-04	1.60E-04
2.44E+02	-5.68E-04	4.13E-04	1.60E-04
2.44E+02	-5.93E-04	4.14E-04	1.63E-04
2.44E+02	-6.17E-04	4.19E-04	1.33E-04
2.44E+02	-6.77E-04	4.17E-04	1.49E-04
2.44E+02	-7.06E-04	3.96E-04	1.66E-04
2.44E+02	-6.89E-04	3.79E-04	2.18E-04
2.44E+02	-7.11E-04	3.51E-04	2.75E-04
2.44E+02	-7.40E-04	3.05E-04	2.67E-04
2.44E+02	-7.64E-04	2.90E-04	3.30E-04
2.44E+02	-7.82E-04	2.97E-04	4.00E-04
2.44E+02	-8.04E-04	2.96E-04	3.77E-04
2.44E+02	-8.98E-04	2.78E-04	3.36E-04
2.44E+02	-9.79E-04	2.44E-04	2.66E-04
2.44E+02	-1.00E-03	2.46E-04	2.45E-04
2.44E+02	-1.07E-03	2.56E-04	2.45E-04
2.44E+02	-1.11E-03	2.30E-04	1.75E-04
2.44E+02	-1.09E-03	2.29E-04	1.90E-04
2.44E+02	-1.08E-03	2.36E-04	2.61E-04
2.44E+02	-1.06E-03	2.36E-04	3.05E-04
2.44E+02	-1.07E-03	2.39E-04	3.49E-04
2.44E+02	-1.10E-03	2.57E-04	3.77E-04
2.44E+02	-1.06E-03	3.33E-04	4.31E-04
2.44E+02	-1.05E-03	4.06E-04	4.61E-04
2.44E+02	-1.06E-03	4.49E-04	4.16E-04
2.44E+02	-1.05E-03	5.05E-04	4.22E-04
2.44E+02	-1.06E-03	5.52E-04	4.28E-04
2.44E+02	-1.06E-03	5.52E-04	3.06E-04
2.44E+02	-1.11E-03	5.06E-04	1.98E-04
2.44E+02	-1.17E-03	4.51E-04	1.66E-04
2.44E+02	-1.15E-03	4.22E-04	1.71E-04
2.44E+02	-1.14E-03	4.06E-04	2.29E-04
2.44E+02	-1.13E-03	3.75E-04	2.71E-04
2.44E+02	-1.10E-03	3.64E-04	3.55E-04
2.44E+02	-1.07E-03	3.73E-04	4.78E-04
2.44E+02	-1.03E-03	3.69E-04	5.07E-04
2.44E+02	-1.04E-03	3.69E-04	5.13E-04
2.44E+02	-1.06E-03	3.85E-04	4.95E-04

2.44E+02	-1.02E-03	4.11E-04	4.70E-04
2.44E+02	-1.02E-03	4.31E-04	5.31E-04
2.44E+02	-1.06E-03	4.19E-04	5.51E-04
2.44E+02	-1.10E-03	3.90E-04	5.53E-04
2.44E+02	-1.13E-03	3.67E-04	5.82E-04
2.44E+02	-1.18E-03	3.17E-04	5.20E-04
2.44E+02	-1.25E-03	2.78E-04	4.91E-04
2.44E+02	-1.31E-03	2.95E-04	5.13E-04
2.44E+02	-1.32E-03	3.35E-04	4.86E-04
2.44E+02	-1.34E-03	3.75E-04	4.48E-04
2.44E+02	-1.38E-03	3.85E-04	3.45E-04
2.44E+02	-1.37E-03	3.72E-04	2.74E-04
2.44E+02	-1.34E-03	3.54E-04	3.06E-04
2.44E+02	-1.29E-03	3.05E-04	3.05E-04
2.44E+02	-1.26E-03	2.31E-04	2.68E-04
2.44E+02	-1.25E-03	1.58E-04	2.20E-04
2.44E+02	-1.20E-03	1.18E-04	1.69E-04
2.44E+02	-1.14E-03	1.15E-04	1.45E-04
2.44E+02	-1.14E-03	1.07E-04	9.17E-05
2.44E+02	-1.13E-03	1.21E-04	6.68E-05
2.44E+02	-1.13E-03	1.70E-04	1.40E-04
2.44E+02	-1.11E-03	1.95E-04	2.11E-04
2.44E+02	-1.12E-03	2.03E-04	2.86E-04
2.44E+02	-1.17E-03	1.87E-04	3.20E-04
2.44E+02	-1.19E-03	1.56E-04	2.82E-04
2.44E+02	-1.20E-03	1.45E-04	2.86E-04
2.44E+02	-1.23E-03	1.11E-04	2.45E-04
2.44E+02	-1.22E-03	7.31E-05	1.74E-04
2.44E+02	-1.17E-03	6.48E-05	1.91E-04
2.44E+02	-1.13E-03	5.38E-05	1.97E-04
2.44E+02	-1.12E-03	3.01E-05	1.92E-04
2.44E+02	-1.16E-03	-1.34E-06	1.78E-04
2.44E+02	-1.18E-03	-1.66E-05	1.17E-04
2.44E+02	-1.19E-03	-1.51E-05	8.35E-05
2.44E+02	-1.24E-03	-3.47E-05	3.07E-05
2.44E+02	-1.29E-03	-6.54E-05	-2.96E-05
2.44E+02	-1.31E-03	-7.08E-05	2.52E-05
2.44E+02	-1.31E-03	-8.09E-05	7.38E-05
2.44E+02	-1.28E-03	-1.29E-04	6.47E-05
2.44E+02	-1.29E-03	-1.90E-04	8.26E-05
2.44E+02	-1.24E-03	-2.29E-04	9.63E-05
2.44E+02	-1.16E-03	-2.34E-04	1.16E-04
2.44E+02	-1.11E-03	-2.50E-04	1.01E-04
2.44E+02	-1.06E-03	-2.67E-04	9.04E-05
2.44E+02	-1.00E-03	-2.57E-04	2.05E-04
2.44E+02	-9.53E-04	-2.50E-04	3.39E-04
2.44E+02	-9.21E-04	-2.52E-04	4.37E-04

2.44E+02	-9.60E-04	-2.63E-04	5.06E-04
2.44E+02	-9.96E-04	-2.76E-04	5.08E-04
2.44E+02	-9.92E-04	-2.70E-04	5.01E-04
2.44E+02	-1.03E-03	-2.75E-04	4.32E-04
2.44E+02	-1.06E-03	-2.67E-04	3.00E-04
2.44E+02	-1.07E-03	-1.96E-04	2.78E-04
2.44E+02	-1.08E-03	-1.22E-04	3.03E-04
2.44E+02	-1.11E-03	-1.03E-04	3.15E-04
2.44E+02	-1.19E-03	-1.08E-04	4.02E-04
2.44E+02	-1.26E-03	-1.06E-04	4.90E-04
2.44E+02	-1.28E-03	-9.29E-05	5.36E-04
2.44E+02	-1.33E-03	-8.70E-05	5.02E-04
2.44E+02	-1.36E-03	-1.07E-04	3.45E-04
2.44E+02	-1.35E-03	-9.90E-05	2.15E-04
2.44E+02	-1.30E-03	-5.86E-05	1.38E-04
2.44E+02	-1.25E-03	-5.04E-05	5.25E-05
2.44E+02	-1.26E-03	-6.28E-05	3.80E-05
2.44E+02	-1.25E-03	-7.31E-05	7.44E-05
2.44E+02	-1.19E-03	-8.32E-05	1.15E-04
2.44E+02	-1.17E-03	-1.03E-04	1.08E-04
2.44E+02	-1.18E-03	-1.30E-04	-2.33E-05
2.44E+02	-1.18E-03	-1.16E-04	-1.52E-04
2.44E+02	-1.18E-03	-7.00E-05	-2.25E-04
2.44E+02	-1.14E-03	-2.08E-05	-2.48E-04
2.45E+02	-1.13E-03	2.37E-05	-1.08E-04
2.45E+02	-1.14E-03	4.71E-05	1.16E-04
2.45E+02	-1.09E-03	5.38E-05	3.61E-04
2.45E+02	-1.10E-03	1.49E-05	5.52E-04
2.45E+02	-1.12E-03	-8.05E-05	5.43E-04
2.45E+02	-1.10E-03	-1.65E-04	4.51E-04
2.45E+02	-1.07E-03	-2.13E-04	3.35E-04
2.45E+02	-1.02E-03	-2.33E-04	1.84E-04
2.45E+02	-1.01E-03	-2.08E-04	1.15E-04
2.45E+02	-1.02E-03	-1.65E-04	1.01E-04
2.45E+02	-9.86E-04	-1.19E-04	1.26E-04
2.45E+02	-1.01E-03	-9.84E-05	1.68E-04
2.45E+02	-1.08E-03	-1.52E-04	1.27E-04
2.45E+02	-1.13E-03	-2.05E-04	1.11E-04
2.45E+02	-1.19E-03	-2.37E-04	1.26E-04
2.45E+02	-1.22E-03	-2.72E-04	6.92E-05
2.45E+02	-1.26E-03	-2.81E-04	5.68E-05
2.45E+02	-1.32E-03	-2.79E-04	1.05E-04
2.45E+02	-1.31E-03	-2.65E-04	1.71E-04
2.45E+02	-1.31E-03	-2.60E-04	2.08E-04
2.45E+02	-1.31E-03	-3.13E-04	1.23E-04
2.45E+02	-1.26E-03	-3.56E-04	5.44E-05
2.45E+02	-1.17E-03	-3.72E-04	8.75E-05

2.45E+02	-1.05E-03	-3.88E-04	1.22E-04
2.45E+02	-9.77E-04	-3.73E-04	1.76E-04
2.45E+02	-9.40E-04	-3.47E-04	2.31E-04
2.45E+02	-8.78E-04	-3.18E-04	2.45E-04
2.45E+02	-8.60E-04	-2.97E-04	2.70E-04
2.45E+02	-8.86E-04	-3.21E-04	2.57E-04
2.45E+02	-8.90E-04	-3.52E-04	2.46E-04
2.45E+02	-8.78E-04	-3.73E-04	2.76E-04
2.45E+02	-8.39E-04	-4.15E-04	2.09E-04
2.45E+02	-8.18E-04	-4.67E-04	9.67E-05
2.45E+02	-8.15E-04	-5.00E-04	3.20E-05
2.45E+02	-7.65E-04	-5.01E-04	6.87E-06
2.45E+02	-7.46E-04	-4.96E-04	1.70E-05
2.45E+02	-7.89E-04	-5.26E-04	-4.16E-05
2.45E+02	-8.18E-04	-5.61E-04	-1.01E-04
2.45E+02	-8.34E-04	-5.76E-04	-4.75E-05
2.45E+02	-8.44E-04	-6.10E-04	-4.39E-06
2.45E+02	-8.77E-04	-6.53E-04	1.72E-05
2.45E+02	-9.36E-04	-6.90E-04	4.12E-05
2.45E+02	-9.41E-04	-7.17E-04	5.65E-05
2.45E+02	-9.36E-04	-7.20E-04	1.33E-04
2.45E+02	-9.58E-04	-7.45E-04	1.74E-04
2.45E+02	-9.50E-04	-7.81E-04	1.68E-04
2.45E+02	-9.29E-04	-7.95E-04	2.10E-04
2.45E+02	-8.84E-04	-8.33E-04	1.97E-04
2.45E+02	-8.40E-04	-8.79E-04	1.72E-04
2.45E+02	-8.42E-04	-9.17E-04	1.85E-04
2.45E+02	-8.01E-04	-9.29E-04	1.74E-04
2.45E+02	-7.42E-04	-9.00E-04	1.81E-04
2.45E+02	-7.47E-04	-9.28E-04	1.29E-04
2.45E+02	-7.42E-04	-9.97E-04	6.05E-05
2.45E+02	-7.19E-04	-1.04E-03	8.14E-05
2.45E+02	-6.90E-04	-1.09E-03	7.42E-05
2.45E+02	-6.68E-04	-1.13E-03	6.54E-05
2.45E+02	-6.98E-04	-1.14E-03	1.15E-04
2.45E+02	-6.87E-04	-1.13E-03	1.50E-04
2.45E+02	-6.41E-04	-1.08E-03	1.89E-04
2.45E+02	-6.32E-04	-1.05E-03	1.77E-04
2.45E+02	-6.11E-04	-1.07E-03	1.01E-04
2.45E+02	-5.85E-04	-1.07E-03	6.98E-05
2.45E+02	-5.31E-04	-1.08E-03	1.09E-05
2.45E+02	-4.56E-04	-1.09E-03	-4.92E-05
2.45E+02	-4.26E-04	-1.07E-03	-2.48E-05
2.45E+02	-3.61E-04	-1.04E-03	1.96E-05
2.45E+02	-2.68E-04	-9.78E-04	1.14E-04
2.45E+02	-2.34E-04	-9.38E-04	1.71E-04
2.45E+02	-2.10E-04	-9.20E-04	1.34E-04

2.45E+02	-1.79E-04	-8.87E-04	1.47E-04
2.45E+02	-1.46E-04	-8.66E-04	1.42E-04
2.45E+02	-1.30E-04	-8.59E-04	8.51E-05
2.45E+02	-1.64E-04	-8.55E-04	4.18E-05
2.45E+02	-1.89E-04	-8.72E-04	-3.74E-05
2.45E+02	-1.94E-04	-8.90E-04	-7.92E-05
2.45E+02	-2.25E-04	-9.22E-04	-8.16E-05
2.45E+02	-2.74E-04	-9.80E-04	-9.57E-05
2.45E+02	-3.15E-04	-1.01E-03	-1.37E-05
2.45E+02	-3.33E-04	-1.01E-03	8.20E-05
2.45E+02	-3.51E-04	-1.03E-03	1.16E-04
2.45E+02	-4.08E-04	-1.03E-03	1.46E-04
2.45E+02	-4.47E-04	-1.02E-03	1.48E-04
2.45E+02	-4.40E-04	-9.82E-04	1.90E-04
2.45E+02	-4.51E-04	-9.43E-04	2.36E-04
2.45E+02	-4.49E-04	-9.59E-04	2.13E-04
2.45E+02	-3.90E-04	-9.63E-04	2.72E-04
2.45E+02	-2.99E-04	-9.56E-04	3.64E-04
2.45E+02	-2.05E-04	-9.76E-04	3.43E-04
2.45E+02	-1.64E-04	-1.00E-03	2.68E-04
2.45E+02	-1.39E-04	-1.03E-03	1.48E-04
2.45E+02	-8.49E-05	-1.03E-03	3.68E-05
2.45E+02	-8.05E-05	-9.99E-04	-5.91E-06
2.45E+02	-1.13E-04	-9.81E-04	-4.90E-05
2.45E+02	-1.29E-04	-9.38E-04	-2.33E-05
2.45E+02	-1.42E-04	-8.84E-04	8.24E-05
2.45E+02	-1.66E-04	-8.68E-04	1.62E-04
2.45E+02	-2.37E-04	-8.91E-04	2.33E-04
2.45E+02	-3.19E-04	-9.25E-04	2.52E-04
2.45E+02	-3.67E-04	-9.16E-04	2.04E-04
2.45E+02	-4.43E-04	-8.87E-04	1.19E-04
2.45E+02	-5.12E-04	-8.79E-04	-1.53E-05
2.45E+02	-5.35E-04	-8.43E-04	-6.71E-05
2.45E+02	-5.25E-04	-7.93E-04	-5.72E-06
2.45E+02	-4.79E-04	-7.69E-04	6.81E-05
2.45E+02	-4.71E-04	-7.71E-04	1.49E-04
2.45E+02	-4.77E-04	-7.90E-04	2.04E-04
2.45E+02	-4.20E-04	-7.68E-04	2.68E-04
2.45E+02	-3.88E-04	-7.27E-04	3.63E-04
2.45E+02	-3.86E-04	-7.01E-04	4.02E-04
2.45E+02	-3.67E-04	-6.34E-04	4.47E-04
2.45E+02	-3.46E-04	-5.60E-04	4.93E-04
2.45E+02	-3.08E-04	-5.10E-04	4.63E-04
2.45E+02	-2.93E-04	-4.80E-04	4.21E-04
2.45E+02	-2.99E-04	-4.80E-04	3.75E-04
2.45E+02	-2.46E-04	-4.80E-04	3.36E-04
2.45E+02	-2.03E-04	-4.78E-04	3.23E-04

2.45E+02	-1.98E-04	-4.97E-04	2.56E-04
2.45E+02	-1.74E-04	-5.03E-04	2.21E-04
2.45E+02	-1.59E-04	-4.78E-04	2.75E-04
2.45E+02	-1.55E-04	-4.58E-04	3.23E-04
2.45E+02	-1.91E-04	-4.55E-04	3.68E-04
2.45E+02	-2.55E-04	-4.56E-04	3.88E-04
2.45E+02	-2.49E-04	-4.51E-04	3.50E-04
2.45E+02	-2.29E-04	-4.26E-04	3.34E-04
2.45E+02	-2.28E-04	-4.10E-04	3.23E-04
2.45E+02	-1.85E-04	-3.94E-04	3.38E-04
2.45E+02	-1.31E-04	-3.50E-04	4.13E-04
2.45E+02	-9.17E-05	-3.40E-04	3.73E-04
2.45E+02	-9.65E-05	-3.61E-04	2.59E-04
2.45E+02	-1.38E-04	-3.78E-04	2.20E-04
2.45E+02	-1.33E-04	-3.85E-04	2.44E-04
2.45E+02	-1.26E-04	-3.67E-04	3.40E-04
2.45E+02	-1.59E-04	-3.64E-04	3.94E-04
2.45E+02	-1.77E-04	-3.77E-04	3.84E-04
2.45E+02	-1.79E-04	-3.70E-04	3.95E-04
2.45E+02	-1.57E-04	-3.48E-04	3.60E-04
2.45E+02	-1.51E-04	-3.25E-04	2.98E-04
2.45E+02	-1.88E-04	-2.94E-04	2.20E-04
2.45E+02	-1.92E-04	-2.45E-04	1.22E-04
2.45E+02	-1.95E-04	-1.83E-04	6.31E-05
2.45E+02	-2.49E-04	-1.32E-04	-2.78E-05
2.45E+02	-3.04E-04	-1.00E-04	-1.24E-04
2.45E+02	-3.37E-04	-6.54E-05	-9.96E-05
2.45E+02	-3.40E-04	-4.94E-05	-4.29E-05
2.45E+02	-3.35E-04	-5.32E-05	2.19E-05
2.45E+02	-3.47E-04	-5.19E-05	1.13E-04
2.45E+02	-3.09E-04	-3.80E-05	1.69E-04
2.45E+02	-2.36E-04	7.44E-06	2.34E-04
2.45E+02	-2.11E-04	2.86E-06	2.31E-04
2.45E+02	-1.70E-04	-4.10E-05	2.13E-04
2.45E+02	-9.99E-05	-3.07E-05	3.35E-04
2.45E+02	-4.52E-05	-3.01E-05	4.39E-04
2.45E+02	-3.62E-06	-5.23E-05	4.66E-04
2.45E+02	-2.65E-05	-7.53E-05	4.47E-04
2.45E+02	-6.41E-05	-1.04E-04	3.46E-04
2.45E+02	-1.03E-04	-1.08E-04	2.08E-04
2.45E+02	-2.12E-04	-1.21E-04	-5.72E-06
2.45E+02	-3.30E-04	-1.40E-04	-2.62E-04
2.45E+02	-4.12E-04	-1.20E-04	-3.86E-04
2.45E+02	-4.41E-04	-8.41E-05	-3.91E-04
2.45E+02	-4.32E-04	-5.84E-05	-3.36E-04
2.45E+02	-4.37E-04	-4.46E-05	-2.16E-04
2.45E+02	-3.98E-04	-3.51E-05	-1.22E-04

2.45E+02	-3.13E-04	-1.14E-05	-6.56E-05
2.45E+02	-2.47E-04	-6.29E-06	-4.25E-05
2.45E+02	-1.83E-04	-4.16E-05	-8.79E-05
2.45E+02	-1.10E-04	-5.72E-05	-9.37E-05
2.45E+02	-3.19E-05	-5.89E-05	-6.98E-05
2.45E+02	2.25E-05	-8.43E-05	-6.39E-05
2.45E+02	1.18E-05	-1.08E-04	-3.43E-06
2.45E+02	6.68E-06	-1.27E-04	5.82E-05
2.45E+02	4.01E-05	-1.27E-04	1.17E-04
2.45E+02	4.56E-05	-1.31E-04	1.68E-04
2.45E+02	2.50E-05	-1.63E-04	1.40E-04
2.45E+02	5.34E-06	-1.67E-04	1.03E-04
2.45E+02	7.06E-06	-1.67E-04	4.25E-05
2.45E+02	2.12E-05	-1.90E-04	-5.53E-05
2.45E+02	-1.32E-05	-2.25E-04	-8.37E-05
2.45E+02	-4.96E-05	-2.75E-04	-8.37E-05
2.45E+02	-4.04E-05	-2.97E-04	-8.53E-05
2.45E+02	-5.40E-05	-3.15E-04	-1.27E-04
2.45E+02	-7.21E-05	-3.78E-04	-3.02E-04
2.45E+02	-5.78E-05	-4.26E-04	-4.43E-04
2.45E+02	-2.02E-05	-4.37E-04	-4.52E-04
2.45E+02	3.87E-05	-4.24E-04	-3.83E-04
2.45E+02	5.17E-05	-3.89E-04	-2.17E-04
2.45E+02	5.78E-05	-3.62E-04	-5.87E-05
2.45E+02	1.24E-04	-3.34E-04	5.49E-05
2.45E+02	1.62E-04	-3.18E-04	1.02E-04
2.45E+02	1.69E-04	-3.36E-04	-3.03E-05
2.45E+02	2.01E-04	-3.29E-04	-2.00E-04
2.45E+02	2.47E-04	-2.70E-04	-2.88E-04
2.45E+02	3.00E-04	-1.85E-04	-3.68E-04
2.45E+02	3.07E-04	-1.08E-04	-3.89E-04
2.45E+02	2.83E-04	-5.04E-05	-3.62E-04
2.45E+02	2.82E-04	1.43E-05	-3.06E-04
2.45E+02	2.36E-04	5.13E-05	-2.40E-04
2.45E+02	1.51E-04	1.60E-05	-2.91E-04
2.45E+02	8.87E-05	-2.29E-06	-3.30E-04
2.46E+02	4.23E-05	3.20E-05	-2.71E-04
2.46E+02	2.75E-05	6.71E-05	-2.42E-04
2.46E+02	2.86E-06	1.02E-04	-2.16E-04
2.46E+02	-1.70E-05	1.29E-04	-1.93E-04
2.46E+02	5.19E-05	1.58E-04	-1.97E-04
2.46E+02	1.44E-04	1.70E-04	-1.90E-04
2.46E+02	2.31E-04	1.36E-04	-2.19E-04
2.46E+02	3.61E-04	1.12E-04	-1.97E-04
2.46E+02	5.04E-04	1.11E-04	-7.23E-05
2.46E+02	6.37E-04	1.01E-04	-8.39E-06
2.46E+02	6.94E-04	7.48E-05	3.43E-06

2.46E+02	6.80E-04	6.81E-05	2.04E-05
2.46E+02	6.87E-04	9.78E-05	-1.47E-05
2.46E+02	6.61E-04	1.34E-04	-1.01E-04
2.46E+02	5.94E-04	1.48E-04	-2.68E-04
2.46E+02	5.65E-04	1.60E-04	-4.20E-04
2.46E+02	5.49E-04	1.95E-04	-4.56E-04
2.46E+02	5.44E-04	2.16E-04	-5.01E-04
2.46E+02	5.32E-04	2.18E-04	-5.56E-04
2.46E+02	4.81E-04	2.17E-04	-5.84E-04
2.46E+02	4.78E-04	2.27E-04	-6.30E-04
2.46E+02	5.12E-04	2.59E-04	-6.45E-04
2.46E+02	5.30E-04	2.80E-04	-6.56E-04
2.46E+02	5.82E-04	3.15E-04	-6.13E-04
2.46E+02	6.67E-04	3.67E-04	-4.38E-04
2.46E+02	7.70E-04	3.73E-04	-3.23E-04
2.46E+02	8.38E-04	3.41E-04	-3.23E-04
2.46E+02	8.53E-04	3.22E-04	-3.23E-04
2.46E+02	8.82E-04	3.19E-04	-3.46E-04
2.46E+02	8.79E-04	3.46E-04	-3.54E-04
2.46E+02	8.20E-04	3.69E-04	-3.86E-04
2.46E+02	7.65E-04	3.66E-04	-4.68E-04
2.46E+02	7.18E-04	3.80E-04	-4.54E-04
2.46E+02	6.85E-04	3.72E-04	-3.87E-04
2.46E+02	6.39E-04	3.47E-04	-3.16E-04
2.46E+02	5.58E-04	3.21E-04	-2.39E-04
2.46E+02	5.31E-04	2.83E-04	-2.51E-04
2.46E+02	5.52E-04	2.63E-04	-3.03E-04
2.46E+02	5.60E-04	2.27E-04	-3.79E-04
2.46E+02	5.99E-04	1.81E-04	-4.75E-04
2.46E+02	6.53E-04	1.74E-04	-4.68E-04
2.46E+02	7.15E-04	1.63E-04	-4.38E-04
2.46E+02	7.76E-04	1.34E-04	-4.33E-04
2.46E+02	7.78E-04	9.84E-05	-4.06E-04
2.46E+02	7.92E-04	7.40E-05	-4.39E-04
2.46E+02	8.38E-04	7.92E-05	-4.80E-04
2.46E+02	8.39E-04	6.26E-05	-5.28E-04
2.46E+02	8.32E-04	2.44E-05	-6.12E-04
2.46E+02	8.46E-04	1.58E-05	-5.91E-04
2.46E+02	8.64E-04	3.01E-05	-5.13E-04
2.46E+02	8.79E-04	6.37E-05	-4.33E-04
2.46E+02	8.49E-04	1.13E-04	-3.12E-04
2.46E+02	8.30E-04	1.59E-04	-2.40E-04
2.46E+02	8.60E-04	2.00E-04	-2.08E-04
2.46E+02	8.60E-04	2.18E-04	-1.92E-04
2.46E+02	8.63E-04	2.06E-04	-2.13E-04
2.46E+02	8.91E-04	2.03E-04	-1.51E-04
2.46E+02	9.23E-04	1.99E-04	-5.99E-05

2.46E+02	9.59E-04	1.66E-04	-6.81E-05
2.46E+02	9.43E-04	1.26E-04	-9.96E-05
2.46E+02	9.28E-04	9.52E-05	-1.57E-04
2.46E+02	9.41E-04	9.14E-05	-2.37E-04
2.46E+02	9.18E-04	9.61E-05	-3.53E-04
2.46E+02	8.98E-04	8.22E-05	-5.35E-04
2.46E+02	9.02E-04	1.06E-04	-6.11E-04
2.46E+02	9.19E-04	1.55E-04	-6.22E-04
2.46E+02	9.43E-04	1.71E-04	-6.78E-04
2.46E+02	9.25E-04	1.82E-04	-6.93E-04
2.46E+02	9.01E-04	1.87E-04	-6.92E-04
2.46E+02	9.18E-04	1.98E-04	-6.68E-04
2.46E+02	9.18E-04	2.29E-04	-6.07E-04
2.46E+02	8.88E-04	2.48E-04	-5.83E-04
2.46E+02	8.69E-04	2.99E-04	-5.15E-04
2.46E+02	8.72E-04	3.66E-04	-4.04E-04
2.46E+02	8.96E-04	3.82E-04	-3.77E-04
2.46E+02	8.99E-04	3.81E-04	-3.54E-04
2.46E+02	8.84E-04	3.90E-04	-2.93E-04
2.46E+02	9.13E-04	4.20E-04	-2.21E-04
2.46E+02	9.44E-04	4.53E-04	-1.32E-04
2.46E+02	9.45E-04	4.38E-04	-1.40E-04
2.46E+02	9.84E-04	4.17E-04	-1.63E-04
2.46E+02	1.04E-03	3.91E-04	-1.30E-04
2.46E+02	1.08E-03	3.43E-04	-1.53E-04
2.46E+02	1.11E-03	3.10E-04	-1.97E-04
2.46E+02	1.11E-03	2.79E-04	-2.91E-04
2.46E+02	1.16E-03	2.78E-04	-4.29E-04
2.46E+02	1.20E-03	3.10E-04	-5.13E-04
2.46E+02	1.18E-03	3.18E-04	-5.95E-04
2.46E+02	1.17E-03	3.26E-04	-6.20E-04
2.46E+02	1.16E-03	3.39E-04	-5.71E-04
2.46E+02	1.16E-03	3.20E-04	-5.62E-04
2.46E+02	1.14E-03	2.85E-04	-5.21E-04
2.46E+02	1.08E-03	2.66E-04	-4.11E-04
2.46E+02	1.09E-03	3.08E-04	-2.74E-04
2.46E+02	1.09E-03	3.88E-04	-1.20E-04
2.46E+02	1.06E-03	4.45E-04	-5.74E-05
2.46E+02	1.06E-03	4.92E-04	-3.17E-05
2.46E+02	1.09E-03	5.33E-04	3.74E-05
2.46E+02	1.13E-03	5.46E-04	5.13E-05
2.46E+02	1.14E-03	5.15E-04	1.01E-05
2.46E+02	1.10E-03	4.63E-04	-2.25E-05
2.46E+02	1.09E-03	4.45E-04	-8.20E-06
2.46E+02	1.06E-03	4.49E-04	7.69E-05
2.46E+02	9.94E-04	4.38E-04	1.30E-04
2.46E+02	9.14E-04	4.13E-04	1.44E-04

2.46E+02	8.22E-04	3.88E-04	1.78E-04
2.46E+02	7.55E-04	3.38E-04	9.10E-05
2.46E+02	6.75E-04	2.72E-04	-8.39E-05
2.46E+02	5.90E-04	2.41E-04	-2.08E-04
2.46E+02	5.84E-04	2.66E-04	-2.81E-04
2.46E+02	6.15E-04	3.37E-04	-2.70E-04
2.46E+02	6.29E-04	3.77E-04	-2.65E-04
2.46E+02	6.64E-04	3.88E-04	-3.07E-04
2.46E+02	7.24E-04	4.05E-04	-2.99E-04
2.46E+02	7.88E-04	3.85E-04	-3.08E-04
2.46E+02	8.26E-04	3.43E-04	-3.36E-04
2.46E+02	8.13E-04	3.14E-04	-3.13E-04
2.46E+02	8.21E-04	3.06E-04	-2.98E-04
2.46E+02	8.47E-04	3.44E-04	-2.54E-04
2.46E+02	8.32E-04	3.85E-04	-1.72E-04
2.46E+02	8.15E-04	4.16E-04	-8.62E-05
2.46E+02	8.18E-04	4.72E-04	7.84E-05
2.46E+02	8.33E-04	5.07E-04	2.25E-04
2.46E+02	8.47E-04	5.03E-04	3.00E-04
2.46E+02	8.11E-04	4.90E-04	3.69E-04
2.46E+02	7.86E-04	4.82E-04	3.78E-04
2.46E+02	7.82E-04	5.13E-04	3.68E-04
2.46E+02	7.03E-04	5.34E-04	2.99E-04
2.46E+02	6.30E-04	5.45E-04	1.66E-04
2.46E+02	5.99E-04	6.11E-04	1.16E-04
2.46E+02	5.74E-04	6.73E-04	8.85E-05
2.46E+02	5.70E-04	7.17E-04	6.37E-05
2.46E+02	5.45E-04	7.51E-04	9.56E-05
2.46E+02	5.48E-04	7.47E-04	1.13E-04
2.46E+02	6.04E-04	7.42E-04	1.20E-04
2.46E+02	6.31E-04	7.16E-04	1.00E-04
2.46E+02	6.50E-04	6.79E-04	4.10E-05
2.46E+02	6.84E-04	6.89E-04	7.92E-05
2.46E+02	7.24E-04	6.91E-04	1.53E-04
2.46E+02	7.56E-04	6.57E-04	1.30E-04
2.46E+02	7.18E-04	6.15E-04	8.85E-05
2.46E+02	6.78E-04	5.74E-04	5.87E-05
2.46E+02	6.77E-04	5.62E-04	6.81E-05
2.46E+02	6.34E-04	5.52E-04	7.88E-05
2.46E+02	5.92E-04	5.19E-04	1.34E-05
2.46E+02	5.79E-04	4.93E-04	-1.79E-05
2.46E+02	5.87E-04	4.73E-04	-4.01E-06
2.46E+02	6.18E-04	4.51E-04	1.53E-06
2.46E+02	6.09E-04	4.38E-04	2.78E-05
2.46E+02	6.25E-04	4.47E-04	1.85E-05
2.46E+02	6.78E-04	4.85E-04	-1.18E-05
2.46E+02	6.96E-04	5.35E-04	-4.43E-05

2.46E+02	7.10E-04	5.67E-04	-1.43E-04
2.46E+02	7.38E-04	6.08E-04	-1.92E-04
2.46E+02	7.85E-04	6.64E-04	-1.46E-04
2.46E+02	8.35E-04	6.85E-04	-9.61E-05
2.46E+02	8.41E-04	6.75E-04	-1.32E-05
2.46E+02	8.44E-04	6.69E-04	8.56E-05
2.46E+02	8.88E-04	6.90E-04	2.11E-04
2.46E+02	9.09E-04	7.11E-04	3.60E-04
2.46E+02	9.09E-04	6.83E-04	4.17E-04
2.46E+02	9.23E-04	6.42E-04	4.19E-04
2.46E+02	9.41E-04	6.22E-04	4.11E-04
2.46E+02	9.70E-04	6.01E-04	3.40E-04
2.46E+02	9.66E-04	5.83E-04	2.69E-04
2.46E+02	9.49E-04	5.71E-04	2.24E-04
2.46E+02	9.57E-04	5.58E-04	1.69E-04
2.46E+02	9.26E-04	5.37E-04	1.03E-04
2.46E+02	8.77E-04	4.98E-04	4.39E-06
2.46E+02	8.39E-04	4.73E-04	-4.69E-05
2.46E+02	8.16E-04	4.82E-04	-7.63E-06
2.46E+02	8.34E-04	5.07E-04	-5.72E-06
2.46E+02	8.34E-04	5.42E-04	-3.81E-07
2.46E+02	8.35E-04	5.79E-04	5.38E-05
2.46E+02	9.05E-04	6.20E-04	8.87E-05
2.46E+02	9.58E-04	6.45E-04	1.06E-04
2.46E+02	9.82E-04	6.10E-04	4.75E-05
2.46E+02	1.04E-03	5.60E-04	-2.31E-05
2.46E+02	1.08E-03	5.34E-04	-5.02E-05
2.46E+02	1.12E-03	5.10E-04	-1.55E-04
2.46E+02	1.11E-03	5.08E-04	-2.79E-04
2.46E+02	1.07E-03	5.26E-04	-3.44E-04
2.46E+02	1.09E-03	5.65E-04	-3.25E-04
2.46E+02	1.09E-03	6.15E-04	-2.07E-04
2.46E+02	1.03E-03	6.20E-04	-1.25E-04
2.46E+02	1.01E-03	6.26E-04	-5.11E-05
2.46E+02	9.92E-04	6.50E-04	7.61E-05
2.46E+02	1.01E-03	6.40E-04	1.31E-04
2.46E+02	1.02E-03	6.29E-04	1.43E-04
2.46E+02	9.86E-04	6.29E-04	1.34E-04
2.46E+02	1.01E-03	6.57E-04	7.50E-05
2.46E+02	1.02E-03	7.04E-04	3.83E-05
2.46E+02	9.71E-04	7.03E-04	-1.26E-05
2.46E+02	9.49E-04	6.75E-04	-1.37E-05
2.46E+02	9.31E-04	6.54E-04	1.24E-04
2.46E+02	9.01E-04	6.25E-04	2.52E-04
2.46E+02	8.42E-04	5.95E-04	3.17E-04
2.46E+02	7.47E-04	5.84E-04	3.36E-04
2.46E+02	7.08E-04	6.13E-04	3.23E-04

2.46E+02	6.85E-04	6.81E-04	3.58E-04
2.47E+02	6.16E-04	7.34E-04	3.86E-04
2.47E+02	5.53E-04	7.68E-04	3.89E-04
2.47E+02	4.89E-04	8.12E-04	4.16E-04
2.47E+02	4.33E-04	8.14E-04	3.48E-04
2.47E+02	3.78E-04	7.71E-04	2.03E-04
2.47E+02	2.92E-04	7.24E-04	1.06E-04
2.47E+02	2.64E-04	6.98E-04	4.23E-05
2.47E+02	2.71E-04	7.33E-04	2.56E-05
2.47E+02	2.45E-04	7.67E-04	-7.25E-06
2.47E+02	2.51E-04	7.86E-04	-6.47E-05
2.47E+02	2.70E-04	8.19E-04	-1.85E-05
2.47E+02	2.87E-04	8.20E-04	3.97E-05
2.47E+02	2.90E-04	8.02E-04	6.07E-05
2.47E+02	2.29E-04	7.80E-04	9.46E-05
2.47E+02	2.00E-04	7.58E-04	9.10E-05
2.47E+02	2.12E-04	7.59E-04	1.05E-04
2.47E+02	1.89E-04	7.41E-04	1.26E-04
2.47E+02	1.88E-04	7.13E-04	1.13E-04
2.47E+02	2.15E-04	7.14E-04	1.52E-04
2.47E+02	2.71E-04	7.05E-04	1.68E-04
2.47E+02	3.48E-04	6.70E-04	1.35E-04
2.47E+02	3.81E-04	6.22E-04	1.57E-04
2.47E+02	4.35E-04	5.77E-04	1.81E-04
2.47E+02	5.26E-04	5.46E-04	2.00E-04
2.47E+02	5.61E-04	5.02E-04	2.02E-04
2.47E+02	5.85E-04	4.54E-04	1.37E-04
2.47E+02	6.15E-04	4.53E-04	1.24E-04
2.47E+02	6.35E-04	4.89E-04	1.23E-04
2.47E+02	6.57E-04	5.36E-04	5.86E-05
2.47E+02	6.32E-04	6.02E-04	9.54E-06
2.47E+02	6.17E-04	6.69E-04	-5.09E-05
2.47E+02	6.49E-04	7.31E-04	-9.12E-05
2.47E+02	6.54E-04	7.76E-04	-9.48E-05
2.47E+02	6.45E-04	7.70E-04	-1.42E-04
2.47E+02	6.56E-04	7.79E-04	-1.16E-04
2.47E+02	6.90E-04	8.18E-04	-1.93E-05
2.47E+02	7.14E-04	8.32E-04	3.22E-05
2.47E+02	6.69E-04	8.34E-04	1.08E-04
2.47E+02	5.99E-04	8.26E-04	1.79E-04
2.47E+02	5.48E-04	8.28E-04	2.31E-04
2.47E+02	4.49E-04	8.28E-04	2.60E-04
2.47E+02	3.29E-04	7.90E-04	2.09E-04
2.47E+02	2.62E-04	7.80E-04	2.31E-04
2.47E+02	2.31E-04	7.94E-04	3.08E-04
2.47E+02	2.16E-04	7.78E-04	2.92E-04
2.47E+02	1.73E-04	7.54E-04	2.26E-04

2.47E+02	1.34E-04	7.35E-04	9.73E-05
2.47E+02	1.51E-04	7.31E-04	-4.43E-05
2.47E+02	1.62E-04	7.31E-04	-1.30E-04
2.47E+02	1.69E-04	7.01E-04	-2.44E-04
2.47E+02	2.01E-04	6.88E-04	-3.25E-04
2.47E+02	2.49E-04	7.06E-04	-3.50E-04
2.47E+02	3.21E-04	7.04E-04	-4.09E-04
2.47E+02	3.57E-04	6.84E-04	-4.14E-04
2.47E+02	3.70E-04	6.57E-04	-3.64E-04
2.47E+02	4.16E-04	6.32E-04	-3.07E-04
2.47E+02	4.21E-04	6.07E-04	-2.50E-04
2.47E+02	4.01E-04	5.47E-04	-2.62E-04
2.47E+02	4.04E-04	4.79E-04	-2.41E-04
2.47E+02	4.22E-04	4.27E-04	-1.24E-04
2.47E+02	4.62E-04	3.67E-04	-1.54E-05
2.47E+02	4.54E-04	3.09E-04	9.84E-05
2.47E+02	4.23E-04	2.56E-04	1.97E-04
2.47E+02	4.51E-04	2.13E-04	2.44E-04
2.47E+02	4.76E-04	1.93E-04	2.70E-04
2.47E+02	4.90E-04	1.55E-04	2.22E-04
2.47E+02	5.38E-04	1.32E-04	1.76E-04
2.47E+02	6.00E-04	1.40E-04	1.89E-04
2.47E+02	6.66E-04	1.20E-04	1.32E-04
2.47E+02	6.95E-04	8.60E-05	2.02E-05
2.47E+02	6.92E-04	4.12E-05	-8.18E-05
2.47E+02	7.34E-04	9.54E-07	-1.42E-04
2.47E+02	7.67E-04	-2.59E-05	-1.30E-04
2.47E+02	7.58E-04	-8.66E-05	-1.69E-04
2.47E+02	7.74E-04	-1.32E-04	-2.42E-04
2.47E+02	8.00E-04	-1.32E-04	-2.63E-04
2.47E+02	8.39E-04	-1.20E-04	-3.24E-04
2.47E+02	8.66E-04	-9.21E-05	-3.54E-04
2.47E+02	8.62E-04	-5.91E-05	-3.02E-04
2.47E+02	9.17E-04	-1.72E-06	-2.28E-04
2.47E+02	9.74E-04	6.18E-05	-1.19E-04
2.47E+02	9.73E-04	6.07E-05	-8.22E-05
2.47E+02	9.76E-04	3.43E-05	-8.03E-05
2.47E+02	9.73E-04	1.03E-05	0.00E+00
2.47E+02	9.72E-04	-4.54E-05	3.34E-05
2.47E+02	9.40E-04	-1.15E-04	8.01E-06
2.47E+02	8.55E-04	-1.89E-04	-6.68E-06
2.47E+02	8.13E-04	-2.35E-04	-2.67E-05
2.47E+02	7.89E-04	-2.47E-04	-2.78E-05
2.47E+02	7.29E-04	-3.01E-04	-9.88E-05
2.47E+02	7.00E-04	-3.50E-04	-2.07E-04
2.47E+02	6.98E-04	-3.57E-04	-2.10E-04
2.47E+02	7.10E-04	-3.73E-04	-2.07E-04

2.47E+02	7.29E-04	-3.65E-04	-2.00E-04
2.47E+02	7.05E-04	-3.65E-04	-1.65E-04
2.47E+02	7.23E-04	-3.80E-04	-1.55E-04
2.47E+02	7.61E-04	-3.71E-04	-1.02E-04
2.47E+02	7.32E-04	-4.13E-04	-7.82E-05
2.47E+02	7.03E-04	-4.66E-04	-8.77E-05
2.47E+02	6.69E-04	-4.78E-04	4.58E-06
2.47E+02	6.43E-04	-5.13E-04	1.09E-04
2.47E+02	6.03E-04	-5.53E-04	1.88E-04
2.47E+02	4.97E-04	-5.77E-04	2.97E-04
2.47E+02	4.10E-04	-5.85E-04	3.66E-04
2.47E+02	3.28E-04	-5.71E-04	3.97E-04
2.47E+02	2.00E-04	-5.87E-04	3.37E-04
2.47E+02	8.66E-05	-6.25E-04	1.76E-04
2.47E+02	3.05E-06	-6.34E-04	6.18E-05
2.47E+02	-6.01E-05	-6.25E-04	-2.99E-05
2.47E+02	-1.24E-04	-6.26E-04	-1.18E-04
2.47E+02	-2.20E-04	-6.57E-04	-1.87E-04
2.47E+02	-2.64E-04	-7.04E-04	-2.77E-04
2.47E+02	-2.57E-04	-7.38E-04	-3.04E-04
2.47E+02	-2.76E-04	-7.83E-04	-3.19E-04
2.47E+02	-2.66E-04	-8.46E-04	-4.12E-04
2.47E+02	-2.36E-04	-8.81E-04	-4.58E-04
2.47E+02	-1.78E-04	-8.92E-04	-4.65E-04
2.47E+02	-9.54E-05	-9.24E-04	-4.85E-04
2.47E+02	-8.22E-05	-9.85E-04	-4.64E-04
2.47E+02	-5.05E-05	-1.04E-03	-4.33E-04
2.47E+02	1.20E-05	-1.06E-03	-3.80E-04
2.47E+02	3.62E-06	-1.08E-03	-3.51E-04
2.47E+02	-5.72E-06	-1.10E-03	-4.04E-04
2.47E+02	1.18E-05	-1.08E-03	-4.07E-04
2.47E+02	4.50E-05	-1.04E-03	-3.56E-04
2.47E+02	9.88E-05	-9.85E-04	-2.93E-04
2.47E+02	1.15E-04	-9.33E-04	-1.68E-04
2.47E+02	1.72E-04	-8.89E-04	-4.25E-05
2.47E+02	3.10E-04	-8.26E-04	7.74E-05
2.47E+02	4.07E-04	-7.82E-04	1.71E-04
2.47E+02	4.80E-04	-7.79E-04	1.62E-04
2.47E+02	5.52E-04	-7.49E-04	1.29E-04
2.47E+02	5.97E-04	-6.93E-04	5.02E-05
2.47E+02	6.30E-04	-6.27E-04	-1.44E-04
2.47E+02	5.98E-04	-5.61E-04	-3.31E-04
2.47E+02	5.45E-04	-4.95E-04	-4.47E-04
2.47E+02	5.24E-04	-4.01E-04	-4.73E-04
2.47E+02	4.49E-04	-3.16E-04	-4.37E-04
2.47E+02	3.51E-04	-2.71E-04	-4.17E-04
2.47E+02	2.60E-04	-2.31E-04	-3.56E-04

2.47E+02	1.59E-04	-1.88E-04	-2.77E-04
2.47E+02	6.69E-05	-1.50E-04	-2.75E-04
2.47E+02	-9.63E-05	-1.14E-04	-3.22E-04
2.47E+02	-2.80E-04	-5.93E-05	-3.77E-04
2.47E+02	-3.88E-04	6.29E-06	-3.60E-04
2.47E+02	-5.18E-04	3.40E-05	-2.45E-04
2.47E+02	-6.67E-04	-9.54E-06	-1.59E-04
2.47E+02	-7.94E-04	-8.54E-05	-7.88E-05
2.47E+02	-9.18E-04	-1.66E-04	-1.28E-05
2.47E+02	-1.00E-03	-2.66E-04	-3.74E-05
2.47E+02	-1.10E-03	-3.55E-04	-3.60E-05
2.47E+02	-1.17E-03	-4.19E-04	-7.06E-06
2.47E+02	-1.16E-03	-4.49E-04	2.86E-05
2.47E+02	-1.14E-03	-4.53E-04	8.75E-05
2.47E+02	-1.11E-03	-5.02E-04	5.42E-05
2.47E+02	-1.05E-03	-5.62E-04	2.57E-05
2.47E+02	-9.64E-04	-5.80E-04	8.53E-05
2.47E+02	-8.62E-04	-6.22E-04	8.74E-05
2.47E+02	-8.28E-04	-6.70E-04	3.81E-05
2.47E+02	-8.18E-04	-6.94E-04	-5.02E-05
2.47E+02	-7.63E-04	-6.97E-04	-1.51E-04
2.47E+02	-7.18E-04	-6.53E-04	-1.42E-04
2.47E+02	-6.96E-04	-6.24E-04	-1.07E-04
2.47E+02	-6.72E-04	-6.00E-04	-4.73E-05
2.47E+02	-6.19E-04	-5.45E-04	5.93E-05
2.47E+02	-5.19E-04	-4.99E-04	7.55E-05
2.47E+02	-4.40E-04	-4.55E-04	7.78E-05
2.47E+02	-3.76E-04	-4.23E-04	8.87E-05
2.47E+02	-2.57E-04	-3.90E-04	6.85E-05
2.47E+02	-1.76E-04	-3.57E-04	2.59E-05
2.47E+02	-1.67E-04	-3.76E-04	-1.50E-04
2.47E+02	-1.47E-04	-3.96E-04	-3.43E-04
2.47E+02	-1.11E-04	-3.85E-04	-4.02E-04
2.47E+02	-6.41E-05	-3.67E-04	-3.93E-04
2.47E+02	-5.15E-05	-3.30E-04	-2.90E-04
2.47E+02	-9.25E-05	-2.98E-04	-1.42E-04
2.47E+02	-9.84E-05	-2.59E-04	-4.77E-05
2.47E+02	-1.11E-04	-1.96E-04	3.87E-05
2.47E+02	-1.69E-04	-1.62E-04	6.16E-05
2.47E+02	-1.96E-04	-1.42E-04	2.61E-05
2.47E+02	-2.07E-04	-1.09E-04	5.57E-05
2.47E+02	-2.13E-04	-1.04E-04	5.91E-05
2.47E+02	-2.32E-04	-1.34E-04	-5.34E-06
2.47E+02	-3.12E-04	-1.81E-04	-9.37E-05
2.47E+02	-3.83E-04	-2.29E-04	-1.94E-04
2.47E+02	-4.55E-04	-2.73E-04	-2.01E-04
2.47E+02	-5.84E-04	-3.50E-04	-1.58E-04

2.47E+02	-7.18E-04	-4.66E-04	-1.03E-04
2.47E+02	-8.45E-04	-5.54E-04	4.18E-05
2.47E+02	-9.66E-04	-6.27E-04	1.54E-04
2.47E+02	-1.10E-03	-7.17E-04	1.62E-04
2.47E+02	-1.26E-03	-7.93E-04	1.40E-04
2.47E+02	-1.36E-03	-8.60E-04	6.58E-05
2.47E+02	-1.40E-03	-8.96E-04	-2.73E-05
2.47E+02	-1.43E-03	-9.36E-04	-1.31E-04
2.47E+02	-1.40E-03	-9.95E-04	-2.11E-04
2.47E+02	-1.30E-03	-9.93E-04	-1.42E-04
2.47E+02	-1.18E-03	-9.92E-04	-6.60E-05
2.47E+02	-1.06E-03	-1.02E-03	-5.82E-05
2.47E+02	-9.81E-04	-1.00E-03	-2.61E-05
2.48E+02	-9.42E-04	-9.88E-04	-2.99E-05
2.48E+02	-8.98E-04	-9.08E-04	-2.42E-05
2.48E+02	-9.04E-04	-7.99E-04	-1.20E-05
2.48E+02	-9.18E-04	-7.30E-04	-4.18E-05
2.48E+02	-9.29E-04	-6.48E-04	-1.14E-06
2.48E+02	-9.47E-04	-5.92E-04	5.04E-05
2.48E+02	-9.62E-04	-5.87E-04	3.19E-05
2.48E+02	-1.03E-03	-5.70E-04	4.77E-06
2.48E+02	-1.06E-03	-5.39E-04	-4.83E-05
2.48E+02	-1.04E-03	-4.76E-04	-8.60E-05
2.48E+02	-1.04E-03	-3.94E-04	-8.14E-05
2.48E+02	-1.05E-03	-3.35E-04	-8.68E-05
2.48E+02	-1.03E-03	-2.58E-04	-2.17E-05
2.48E+02	-9.87E-04	-1.96E-04	6.87E-05
2.48E+02	-9.28E-04	-1.97E-04	1.05E-04
2.48E+02	-9.07E-04	-2.44E-04	1.37E-04
2.48E+02	-8.79E-04	-3.23E-04	1.01E-04
2.48E+02	-8.12E-04	-3.93E-04	4.31E-05
2.48E+02	-7.90E-04	-4.64E-04	2.38E-05
2.48E+02	-7.69E-04	-5.56E-04	-1.18E-05
2.48E+02	-7.35E-04	-6.32E-04	-1.30E-05
2.48E+02	-7.13E-04	-6.93E-04	2.86E-06
2.48E+02	-6.76E-04	-7.57E-04	-4.96E-06
2.48E+02	-6.96E-04	-8.26E-04	3.22E-05
2.48E+02	-7.32E-04	-9.03E-04	1.14E-04
2.48E+02	-7.20E-04	-9.84E-04	2.06E-04
2.48E+02	-7.42E-04	-1.06E-03	2.82E-04
2.48E+02	-7.89E-04	-1.13E-03	3.03E-04
2.48E+02	-8.20E-04	-1.16E-03	2.99E-04
2.48E+02	-8.31E-04	-1.15E-03	2.47E-04
2.48E+02	-8.30E-04	-1.14E-03	1.15E-04
2.48E+02	-8.65E-04	-1.13E-03	1.72E-06
2.48E+02	-8.94E-04	-1.10E-03	-1.81E-05
2.48E+02	-8.80E-04	-1.05E-03	7.13E-05

2.48E+02	-9.01E-04	-9.78E-04	2.13E-04
2.48E+02	-9.57E-04	-9.32E-04	3.06E-04
2.48E+02	-1.01E-03	-8.75E-04	3.83E-04
2.48E+02	-1.06E-03	-8.01E-04	4.44E-04
2.48E+02	-1.09E-03	-7.43E-04	4.22E-04
2.48E+02	-1.15E-03	-6.85E-04	3.66E-04
2.48E+02	-1.21E-03	-6.21E-04	3.08E-04
2.48E+02	-1.20E-03	-5.66E-04	2.63E-04
2.48E+02	-1.20E-03	-5.34E-04	2.59E-04
2.48E+02	-1.22E-03	-5.62E-04	2.29E-04
2.48E+02	-1.22E-03	-6.15E-04	1.98E-04
2.48E+02	-1.22E-03	-6.66E-04	2.02E-04
2.48E+02	-1.21E-03	-7.42E-04	1.42E-04
2.48E+02	-1.22E-03	-8.17E-04	5.87E-05
2.48E+02	-1.25E-03	-8.63E-04	-3.81E-07
2.48E+02	-1.25E-03	-8.67E-04	-6.75E-05
2.48E+02	-1.26E-03	-8.59E-04	-1.07E-04
2.48E+02	-1.31E-03	-9.11E-04	-1.51E-04
2.48E+02	-1.35E-03	-9.95E-04	-1.32E-04
2.48E+02	-1.37E-03	-1.09E-03	-1.14E-06
2.48E+02	-1.37E-03	-1.21E-03	9.63E-05
2.48E+02	-1.37E-03	-1.35E-03	1.65E-04
2.48E+02	-1.38E-03	-1.46E-03	2.42E-04
2.48E+02	-1.33E-03	-1.54E-03	2.81E-04
2.48E+02	-1.26E-03	-1.57E-03	3.07E-04
2.48E+02	-1.23E-03	-1.57E-03	2.97E-04
2.48E+02	-1.17E-03	-1.53E-03	2.95E-04
2.48E+02	-1.10E-03	-1.44E-03	3.60E-04
2.48E+02	-9.93E-04	-1.36E-03	3.82E-04
2.48E+02	-8.91E-04	-1.31E-03	3.87E-04
2.48E+02	-8.25E-04	-1.27E-03	4.37E-04
2.48E+02	-7.37E-04	-1.21E-03	5.02E-04
2.48E+02	-6.70E-04	-1.12E-03	5.95E-04
2.48E+02	-6.70E-04	-1.03E-03	6.40E-04
2.48E+02	-6.76E-04	-9.29E-04	6.24E-04
2.48E+02	-7.04E-04	-8.11E-04	6.04E-04
2.48E+02	-7.35E-04	-7.10E-04	5.55E-04
2.48E+02	-7.80E-04	-6.28E-04	5.00E-04
2.48E+02	-8.88E-04	-5.76E-04	4.49E-04
2.48E+02	-9.59E-04	-5.49E-04	3.77E-04
2.48E+02	-9.90E-04	-5.18E-04	3.20E-04
2.48E+02	-1.05E-03	-5.20E-04	2.28E-04
2.48E+02	-1.08E-03	-5.46E-04	1.04E-04
2.48E+02	-1.09E-03	-5.41E-04	7.48E-05
2.48E+02	-1.07E-03	-5.29E-04	8.85E-05
2.48E+02	-1.05E-03	-5.27E-04	7.51E-05
2.48E+02	-1.09E-03	-5.20E-04	6.54E-05

2.48E+02	-1.10E-03	-4.80E-04	8.34E-05
2.48E+02	-1.10E-03	-3.96E-04	1.65E-04
2.48E+02	-1.16E-03	-3.55E-04	1.90E-04
2.48E+02	-1.24E-03	-3.77E-04	1.37E-04
2.48E+02	-1.32E-03	-3.97E-04	1.20E-04
2.48E+02	-1.39E-03	-4.35E-04	7.63E-05
2.48E+02	-1.44E-03	-4.90E-04	1.64E-05
2.48E+02	-1.51E-03	-5.36E-04	2.82E-05
2.48E+02	-1.54E-03	-5.91E-04	6.14E-05
2.48E+02	-1.51E-03	-6.50E-04	1.13E-04
2.48E+02	-1.50E-03	-7.42E-04	1.71E-04
2.48E+02	-1.49E-03	-8.77E-04	1.90E-04
2.48E+02	-1.43E-03	-9.71E-04	2.74E-04
2.48E+02	-1.34E-03	-1.04E-03	3.57E-04
2.48E+02	-1.26E-03	-1.11E-03	3.46E-04
2.48E+02	-1.19E-03	-1.13E-03	3.44E-04
2.48E+02	-1.11E-03	-1.10E-03	3.38E-04
2.48E+02	-1.01E-03	-1.02E-03	3.42E-04
2.48E+02	-9.33E-04	-9.25E-04	3.29E-04
2.48E+02	-8.80E-04	-8.63E-04	2.32E-04
2.48E+02	-8.15E-04	-7.74E-04	1.97E-04
2.48E+02	-7.45E-04	-6.61E-04	2.39E-04
2.48E+02	-6.75E-04	-5.56E-04	2.79E-04
2.48E+02	-6.57E-04	-4.41E-04	3.46E-04
2.48E+02	-6.41E-04	-3.32E-04	3.99E-04
2.48E+02	-5.90E-04	-2.23E-04	4.28E-04
2.48E+02	-5.69E-04	-1.29E-04	4.43E-04
2.48E+02	-5.54E-04	-8.75E-05	3.94E-04
2.48E+02	-5.16E-04	-6.08E-05	3.68E-04
2.48E+02	-4.71E-04	-5.61E-05	3.69E-04
2.48E+02	-4.45E-04	-9.57E-05	3.03E-04
2.48E+02	-4.84E-04	-1.58E-04	2.53E-04
2.48E+02	-5.53E-04	-2.22E-04	2.53E-04
2.48E+02	-6.00E-04	-2.52E-04	2.88E-04
2.48E+02	-6.92E-04	-2.78E-04	3.31E-04
2.48E+02	-8.24E-04	-3.33E-04	3.07E-04
2.48E+02	-9.43E-04	-3.64E-04	3.35E-04
2.48E+02	-1.05E-03	-3.72E-04	4.37E-04
2.48E+02	-1.16E-03	-3.97E-04	4.95E-04
2.48E+02	-1.30E-03	-4.37E-04	5.62E-04
2.48E+02	-1.41E-03	-4.73E-04	6.51E-04
2.48E+02	-1.46E-03	-4.93E-04	7.28E-04
2.48E+02	-1.48E-03	-4.94E-04	7.86E-04
2.48E+02	-1.48E-03	-4.95E-04	7.64E-04
2.48E+02	-1.43E-03	-4.74E-04	7.03E-04
2.48E+02	-1.36E-03	-4.20E-04	6.42E-04
2.48E+02	-1.27E-03	-3.80E-04	5.22E-04

2.48E+02	-1.23E-03	-3.46E-04	3.95E-04
2.48E+02	-1.24E-03	-3.04E-04	3.02E-04
2.48E+02	-1.24E-03	-2.41E-04	2.25E-04
2.48E+02	-1.28E-03	-1.86E-04	1.88E-04
2.48E+02	-1.36E-03	-1.83E-04	1.38E-04
2.48E+02	-1.41E-03	-1.79E-04	1.03E-04
2.48E+02	-1.42E-03	-1.55E-04	1.22E-04
2.48E+02	-1.39E-03	-1.42E-04	9.54E-05
2.48E+02	-1.37E-03	-1.27E-04	5.87E-05
2.48E+02	-1.33E-03	-1.34E-04	4.22E-05
2.48E+02	-1.23E-03	-1.69E-04	4.12E-05
2.48E+02	-1.11E-03	-2.20E-04	1.21E-04
2.48E+02	-1.03E-03	-3.50E-04	1.46E-04
2.48E+02	-9.81E-04	-4.91E-04	1.25E-04
2.48E+02	-9.04E-04	-5.63E-04	1.74E-04
2.48E+02	-8.10E-04	-6.24E-04	1.61E-04
2.48E+02	-7.51E-04	-6.76E-04	1.34E-04
2.48E+02	-7.45E-04	-7.23E-04	1.68E-04
2.48E+02	-7.22E-04	-7.64E-04	2.19E-04
2.48E+02	-7.09E-04	-7.65E-04	3.33E-04
2.48E+02	-7.43E-04	-7.72E-04	4.11E-04
2.48E+02	-7.51E-04	-7.65E-04	4.26E-04
2.48E+02	-7.43E-04	-6.90E-04	4.62E-04
2.48E+02	-7.16E-04	-5.80E-04	4.53E-04
2.48E+02	-7.02E-04	-4.35E-04	4.20E-04
2.48E+02	-7.25E-04	-2.69E-04	3.79E-04
2.48E+02	-6.90E-04	-9.08E-05	3.12E-04
2.48E+02	-6.50E-04	9.08E-05	2.94E-04
2.48E+02	-6.55E-04	2.17E-04	2.74E-04
2.48E+02	-6.46E-04	3.05E-04	2.78E-04
2.48E+02	-6.42E-04	4.00E-04	3.93E-04
2.48E+02	-6.23E-04	4.88E-04	4.70E-04
2.48E+02	-6.40E-04	5.43E-04	4.18E-04
2.48E+02	-7.19E-04	5.86E-04	3.05E-04
2.48E+02	-7.47E-04	6.58E-04	1.87E-04
2.48E+02	-7.68E-04	7.42E-04	1.15E-04
2.48E+02	-8.30E-04	7.94E-04	2.54E-05
2.48E+02	-8.76E-04	8.10E-04	-8.26E-05
2.48E+02	-9.08E-04	8.26E-04	-9.61E-05
2.48E+02	-9.24E-04	8.34E-04	-7.50E-05
2.48E+02	-9.60E-04	8.19E-04	-6.75E-05
2.48E+02	-1.04E-03	8.02E-04	-6.05E-05
2.48E+02	-1.10E-03	7.82E-04	-7.36E-05
2.48E+02	-1.14E-03	7.74E-04	-4.98E-05
2.48E+02	-1.20E-03	7.52E-04	-3.43E-05
2.48E+02	-1.25E-03	6.98E-04	-3.45E-05
2.48E+02	-1.26E-03	6.55E-04	8.83E-05

2.48E+02	-1.23E-03	5.68E-04	2.44E-04
2.48E+02	-1.19E-03	4.09E-04	3.61E-04
2.48E+02	-1.19E-03	2.49E-04	4.85E-04
2.48E+02	-1.16E-03	1.02E-04	5.28E-04
2.48E+02	-1.11E-03	9.35E-06	5.02E-04
2.48E+02	-1.08E-03	-4.20E-05	3.80E-04
2.48E+02	-1.04E-03	-8.41E-05	1.51E-04
2.48E+02	-9.59E-04	-4.23E-05	1.13E-05
2.48E+02	-8.52E-04	4.43E-05	-4.90E-05
2.48E+02	-7.34E-04	1.30E-04	-9.04E-05
2.48E+02	-6.58E-04	2.12E-04	-7.42E-05
2.48E+02	-5.74E-04	2.58E-04	-4.62E-05
2.48E+02	-4.67E-04	3.23E-04	2.02E-05
2.48E+02	-4.18E-04	3.74E-04	7.82E-05
2.48E+02	-3.97E-04	3.92E-04	4.48E-05
2.48E+02	-3.81E-04	4.65E-04	5.44E-05
2.48E+02	-3.84E-04	5.65E-04	7.65E-05
2.48E+02	-4.12E-04	6.53E-04	8.58E-06
2.48E+02	-5.00E-04	7.43E-04	-5.05E-05
2.48E+02	-5.83E-04	8.39E-04	-1.13E-04
2.48E+02	-6.16E-04	9.39E-04	-1.53E-04
2.48E+02	-6.59E-04	1.00E-03	-1.30E-04
2.48E+02	-6.89E-04	1.01E-03	-9.67E-05
2.48E+02	-6.79E-04	1.01E-03	8.77E-06
2.48E+02	-6.41E-04	1.01E-03	1.09E-04
2.49E+02	-5.86E-04	9.71E-04	1.32E-04
2.49E+02	-5.57E-04	9.12E-04	1.33E-04
2.49E+02	-4.98E-04	8.42E-04	6.79E-05
2.49E+02	-3.51E-04	7.79E-04	2.86E-06
2.49E+02	-2.02E-04	7.08E-04	-2.31E-05
2.49E+02	-5.13E-05	6.06E-04	-7.06E-05
2.49E+02	1.30E-04	5.25E-04	-1.20E-05
2.49E+02	3.02E-04	4.52E-04	1.36E-04
2.49E+02	4.55E-04	3.56E-04	2.16E-04
2.49E+02	4.99E-04	2.69E-04	2.53E-04
2.49E+02	4.48E-04	1.92E-04	2.22E-04
2.49E+02	4.10E-04	1.75E-04	1.30E-04
2.49E+02	3.46E-04	2.22E-04	3.01E-05
2.49E+02	2.71E-04	2.53E-04	-1.11E-04
2.49E+02	2.29E-04	3.08E-04	-1.58E-04
2.49E+02	2.10E-04	3.86E-04	-5.00E-05
2.49E+02	2.05E-04	4.37E-04	7.99E-05
2.49E+02	1.56E-04	4.77E-04	1.99E-04
2.49E+02	8.79E-05	5.17E-04	2.46E-04
2.49E+02	8.03E-05	5.98E-04	2.42E-04
2.49E+02	8.45E-05	7.22E-04	2.47E-04
2.49E+02	6.28E-05	8.42E-04	1.39E-04

2.49E+02	6.24E-05	9.91E-04	-1.74E-05
2.49E+02	7.71E-05	1.17E-03	-1.22E-04
2.49E+02	8.93E-05	1.31E-03	-2.42E-04
2.49E+02	6.03E-05	1.40E-03	-3.02E-04
2.49E+02	-9.73E-06	1.45E-03	-3.03E-04
2.49E+02	-3.01E-05	1.49E-03	-3.18E-04
2.49E+02	-6.81E-05	1.51E-03	-3.73E-04
2.49E+02	-1.45E-04	1.48E-03	-4.96E-04
2.49E+02	-1.60E-04	1.46E-03	-5.71E-04
2.49E+02	-1.47E-04	1.47E-03	-5.61E-04
2.49E+02	-1.04E-04	1.47E-03	-5.36E-04
2.49E+02	-5.93E-05	1.49E-03	-4.66E-04
2.49E+02	-3.74E-05	1.48E-03	-3.43E-04
2.49E+02	4.84E-05	1.41E-03	-2.36E-04
2.49E+02	1.37E-04	1.30E-03	-1.64E-04
2.49E+02	1.81E-04	1.15E-03	-1.49E-04
2.49E+02	2.24E-04	9.85E-04	-1.55E-04
2.49E+02	2.52E-04	8.81E-04	-8.62E-05
2.49E+02	2.87E-04	8.23E-04	-1.89E-05
2.49E+02	3.04E-04	8.12E-04	3.53E-05
2.49E+02	2.70E-04	8.54E-04	1.11E-04
2.49E+02	2.72E-04	9.21E-04	1.43E-04
2.49E+02	2.73E-04	9.91E-04	1.38E-04
2.49E+02	2.37E-04	1.03E-03	4.58E-05
2.49E+02	2.55E-04	1.05E-03	-1.02E-04
2.49E+02	2.89E-04	1.07E-03	-2.09E-04
2.49E+02	3.15E-04	1.07E-03	-3.10E-04
2.49E+02	3.35E-04	1.09E-03	-3.54E-04
2.49E+02	2.98E-04	1.13E-03	-3.46E-04
2.49E+02	2.76E-04	1.17E-03	-3.38E-04
2.49E+02	2.79E-04	1.22E-03	-2.74E-04
2.49E+02	2.65E-04	1.25E-03	-2.24E-04
2.49E+02	2.86E-04	1.25E-03	-2.15E-04
2.49E+02	3.52E-04	1.26E-03	-1.54E-04
2.49E+02	4.60E-04	1.27E-03	-1.54E-04
2.49E+02	5.77E-04	1.27E-03	-2.37E-04
2.49E+02	6.23E-04	1.26E-03	-3.10E-04
2.49E+02	6.61E-04	1.24E-03	-4.02E-04
2.49E+02	6.99E-04	1.26E-03	-4.60E-04
2.49E+02	6.53E-04	1.27E-03	-4.96E-04
2.49E+02	5.88E-04	1.25E-03	-5.86E-04
2.49E+02	5.22E-04	1.24E-03	-6.44E-04
2.49E+02	4.59E-04	1.24E-03	-6.90E-04
2.49E+02	4.10E-04	1.24E-03	-7.50E-04
2.49E+02	3.41E-04	1.27E-03	-7.54E-04
2.49E+02	3.35E-04	1.33E-03	-7.39E-04
2.49E+02	3.89E-04	1.41E-03	-6.82E-04

2.49E+02	4.25E-04	1.47E-03	-5.87E-04
2.49E+02	4.73E-04	1.48E-03	-5.27E-04
2.49E+02	5.31E-04	1.47E-03	-4.48E-04
2.49E+02	6.06E-04	1.43E-03	-4.35E-04
2.49E+02	6.93E-04	1.37E-03	-5.04E-04
2.49E+02	7.40E-04	1.31E-03	-4.61E-04
2.49E+02	8.15E-04	1.27E-03	-3.41E-04
2.49E+02	9.43E-04	1.25E-03	-2.02E-04
2.49E+02	1.04E-03	1.19E-03	-9.25E-05
2.49E+02	1.13E-03	1.08E-03	-7.71E-05
2.49E+02	1.24E-03	9.78E-04	-1.58E-05
2.49E+02	1.34E-03	8.85E-04	7.25E-05
2.49E+02	1.42E-03	8.04E-04	5.15E-05
2.49E+02	1.42E-03	7.58E-04	-3.11E-05
2.49E+02	1.37E-03	7.38E-04	-1.54E-04
2.49E+02	1.33E-03	7.42E-04	-2.87E-04
2.49E+02	1.23E-03	7.60E-04	-3.79E-04
2.49E+02	1.07E-03	7.64E-04	-4.43E-04
2.49E+02	9.22E-04	7.64E-04	-4.22E-04
2.49E+02	7.94E-04	7.69E-04	-3.36E-04
2.49E+02	6.85E-04	7.50E-04	-2.85E-04
2.49E+02	5.60E-04	7.13E-04	-2.25E-04
2.49E+02	4.61E-04	7.02E-04	-9.82E-05
2.49E+02	4.35E-04	7.18E-04	7.99E-05
2.49E+02	3.77E-04	7.09E-04	2.13E-04
2.49E+02	3.03E-04	6.68E-04	2.08E-04
2.49E+02	2.91E-04	6.47E-04	1.50E-04
2.49E+02	3.26E-04	6.64E-04	7.21E-05
2.49E+02	4.01E-04	6.92E-04	-4.86E-05
2.49E+02	4.72E-04	7.49E-04	-7.74E-05
2.49E+02	5.66E-04	8.29E-04	-6.68E-06
2.49E+02	7.23E-04	9.18E-04	8.34E-05
2.49E+02	8.49E-04	1.01E-03	1.55E-04
2.49E+02	9.20E-04	1.06E-03	9.82E-05
2.49E+02	9.84E-04	1.11E-03	-4.50E-05
2.49E+02	1.04E-03	1.20E-03	-1.94E-04
2.49E+02	1.10E-03	1.27E-03	-3.63E-04
2.49E+02	1.13E-03	1.36E-03	-4.28E-04
2.49E+02	1.14E-03	1.46E-03	-3.31E-04
2.49E+02	1.17E-03	1.54E-03	-1.45E-04
2.49E+02	1.15E-03	1.57E-03	7.23E-05
2.49E+02	1.05E-03	1.51E-03	1.56E-04
2.49E+02	9.32E-04	1.38E-03	1.31E-04
2.49E+02	8.43E-04	1.28E-03	1.06E-04
2.49E+02	7.52E-04	1.17E-03	-2.44E-05
2.49E+02	6.47E-04	1.10E-03	-1.79E-04
2.49E+02	5.69E-04	1.11E-03	-2.64E-04

2.49E+02	5.54E-04	1.14E-03	-3.56E-04
2.49E+02	5.68E-04	1.16E-03	-4.31E-04
2.49E+02	5.72E-04	1.13E-03	-5.00E-04
2.49E+02	6.06E-04	1.05E-03	-5.27E-04
2.49E+02	6.75E-04	9.98E-04	-4.94E-04
2.49E+02	7.58E-04	9.62E-04	-5.36E-04
2.49E+02	8.25E-04	9.57E-04	-6.03E-04
2.49E+02	8.61E-04	1.01E-03	-6.05E-04
2.49E+02	9.33E-04	1.09E-03	-5.29E-04
2.49E+02	1.01E-03	1.16E-03	-3.64E-04
2.49E+02	1.04E-03	1.15E-03	-2.17E-04
2.49E+02	1.08E-03	1.07E-03	-8.34E-05
2.49E+02	1.13E-03	9.94E-04	9.86E-05
2.49E+02	1.18E-03	8.92E-04	2.21E-04
2.49E+02	1.19E-03	7.72E-04	2.60E-04
2.49E+02	1.16E-03	6.81E-04	2.79E-04
2.49E+02	1.17E-03	6.21E-04	3.00E-04
2.49E+02	1.19E-03	5.88E-04	3.64E-04
2.49E+02	1.18E-03	5.49E-04	4.08E-04
2.49E+02	1.17E-03	4.81E-04	3.72E-04
2.49E+02	1.20E-03	4.09E-04	3.66E-04
2.49E+02	1.26E-03	3.23E-04	3.27E-04
2.49E+02	1.26E-03	1.77E-04	2.19E-04
2.49E+02	1.21E-03	3.15E-05	1.83E-04
2.49E+02	1.16E-03	-5.02E-05	2.03E-04
2.49E+02	1.10E-03	-7.99E-05	2.63E-04
2.49E+02	9.78E-04	-8.16E-05	2.97E-04
2.49E+02	8.83E-04	-7.29E-05	2.43E-04
2.49E+02	8.45E-04	-2.88E-05	1.95E-04
2.49E+02	8.55E-04	2.98E-05	9.29E-05
2.49E+02	9.00E-04	7.23E-05	-4.86E-05
2.49E+02	9.51E-04	1.30E-04	-9.69E-05
2.49E+02	1.06E-03	1.94E-04	-8.11E-05
2.49E+02	1.20E-03	2.59E-04	-9.35E-06
2.49E+02	1.28E-03	2.70E-04	1.74E-05
2.49E+02	1.29E-03	2.02E-04	-8.11E-05
2.49E+02	1.28E-03	1.63E-04	-1.42E-04
2.49E+02	1.25E-03	1.33E-04	-1.57E-04
2.49E+02	1.19E-03	1.17E-04	-1.46E-04
2.49E+02	1.10E-03	1.72E-04	-4.77E-05
2.49E+02	1.02E-03	2.47E-04	4.67E-05
2.49E+02	9.47E-04	3.53E-04	1.22E-04
2.49E+02	8.23E-04	4.28E-04	1.31E-04
2.49E+02	6.89E-04	4.18E-04	4.01E-05
2.49E+02	5.82E-04	4.14E-04	4.20E-06
2.49E+02	4.89E-04	4.09E-04	-2.08E-05
2.49E+02	4.18E-04	3.95E-04	-9.50E-05

2.49E+02	3.35E-04	4.06E-04	-1.28E-04
2.49E+02	3.03E-04	4.46E-04	-1.40E-04
2.49E+02	3.52E-04	5.13E-04	-1.18E-04
2.49E+02	3.84E-04	5.37E-04	-8.20E-05
2.49E+02	4.13E-04	5.02E-04	-8.49E-05
2.49E+02	4.68E-04	4.79E-04	-5.89E-05
2.49E+02	5.37E-04	4.47E-04	-8.51E-05
2.49E+02	6.08E-04	3.79E-04	-1.88E-04
2.49E+02	6.09E-04	2.93E-04	-2.33E-04
2.49E+02	5.66E-04	2.04E-04	-2.25E-04
2.49E+02	5.35E-04	1.54E-04	-1.62E-04
2.49E+02	4.53E-04	1.27E-04	-1.09E-04
2.49E+02	3.72E-04	9.84E-05	-1.34E-04
2.49E+02	3.48E-04	7.80E-05	-1.17E-04
2.49E+02	3.50E-04	3.95E-05	-7.71E-05
2.49E+02	3.89E-04	-3.40E-05	-6.87E-05
2.49E+02	3.97E-04	-1.12E-04	-5.74E-05
2.49E+02	4.08E-04	-1.76E-04	-5.65E-05
2.49E+02	4.84E-04	-2.20E-04	1.45E-05
2.49E+02	5.33E-04	-2.66E-04	1.49E-04
2.49E+02	5.73E-04	-3.49E-04	2.35E-04
2.49E+02	6.35E-04	-4.49E-04	3.56E-04
2.49E+02	7.14E-04	-5.50E-04	5.13E-04
2.49E+02	8.18E-04	-6.63E-04	5.83E-04
2.49E+02	8.56E-04	-7.93E-04	5.38E-04
2.49E+02	8.81E-04	-8.86E-04	3.66E-04
2.49E+02	9.50E-04	-8.98E-04	1.64E-04
2.49E+02	9.68E-04	-8.75E-04	-2.48E-05
2.49E+02	9.57E-04	-8.79E-04	-2.68E-04
2.49E+02	9.53E-04	-8.74E-04	-4.82E-04
2.49E+02	9.52E-04	-8.38E-04	-6.23E-04
2.49E+02	9.65E-04	-8.07E-04	-7.20E-04
2.49E+02	9.32E-04	-7.86E-04	-7.12E-04
2.49E+02	8.81E-04	-7.77E-04	-6.36E-04
2.49E+02	8.74E-04	-7.58E-04	-5.28E-04
2.49E+02	8.42E-04	-7.25E-04	-3.97E-04
2.49E+02	7.59E-04	-7.02E-04	-3.75E-04
2.50E+02	6.85E-04	-6.54E-04	-4.29E-04
2.50E+02	6.47E-04	-5.49E-04	-4.50E-04
2.50E+02	6.56E-04	-4.23E-04	-4.81E-04
2.50E+02	6.72E-04	-3.20E-04	-4.45E-04
2.50E+02	6.92E-04	-2.41E-04	-2.69E-04
2.50E+02	7.50E-04	-1.93E-04	-3.81E-05
2.50E+02	7.86E-04	-1.71E-04	1.54E-04
2.50E+02	7.92E-04	-1.83E-04	1.81E-04
2.50E+02	8.23E-04	-2.08E-04	1.15E-04
2.50E+02	8.79E-04	-1.89E-04	8.43E-05

2.50E+02	9.57E-04	-1.47E-04	-1.32E-05
2.50E+02	1.01E-03	-8.54E-05	-1.17E-04
2.50E+02	1.04E-03	-2.42E-05	-1.45E-04
2.50E+02	1.10E-03	2.67E-06	-1.41E-04
2.50E+02	1.13E-03	-3.43E-06	-8.37E-05
2.50E+02	1.07E-03	-7.69E-05	-1.03E-04
2.50E+02	9.84E-04	-1.52E-04	-2.14E-04
2.50E+02	8.73E-04	-1.69E-04	-3.21E-04
2.50E+02	7.75E-04	-1.65E-04	-4.88E-04
2.50E+02	6.71E-04	-1.43E-04	-5.97E-04
2.50E+02	5.29E-04	-1.20E-04	-5.48E-04
2.50E+02	4.41E-04	-9.82E-05	-3.74E-04
2.50E+02	3.94E-04	-7.95E-05	-7.04E-05
2.50E+02	3.31E-04	-1.15E-04	1.82E-04
2.50E+02	3.15E-04	-1.76E-04	3.39E-04
2.50E+02	3.44E-04	-2.13E-04	4.67E-04
2.50E+02	3.94E-04	-2.37E-04	4.20E-04
2.50E+02	4.36E-04	-2.38E-04	2.48E-04
2.50E+02	4.30E-04	-2.29E-04	5.95E-05
2.50E+02	4.60E-04	-2.15E-04	-1.15E-04
2.50E+02	5.20E-04	-1.95E-04	-1.58E-04
2.50E+02	5.34E-04	-2.16E-04	-1.40E-04
2.50E+02	5.42E-04	-2.66E-04	-1.22E-04
2.50E+02	5.51E-04	-2.97E-04	-2.40E-05
2.50E+02	5.66E-04	-3.34E-04	1.74E-05
2.50E+02	5.69E-04	-3.73E-04	-3.03E-05
2.50E+02	4.88E-04	-4.07E-04	-1.02E-04
2.50E+02	4.02E-04	-4.34E-04	-2.32E-04
2.50E+02	3.39E-04	-4.17E-04	-2.85E-04
2.50E+02	2.19E-04	-4.09E-04	-2.94E-04
2.50E+02	1.13E-04	-4.28E-04	-3.49E-04
2.50E+02	5.95E-05	-4.29E-04	-3.16E-04
2.50E+02	6.20E-05	-4.53E-04	-2.40E-04
2.50E+02	1.15E-04	-4.79E-04	-1.49E-04
2.50E+02	1.40E-04	-4.92E-04	-1.83E-05
2.50E+02	2.05E-04	-4.96E-04	4.65E-05
2.50E+02	3.27E-04	-4.56E-04	7.13E-05
2.50E+02	3.89E-04	-4.26E-04	7.08E-05
2.50E+02	4.15E-04	-4.26E-04	3.57E-05
2.50E+02	4.43E-04	-3.85E-04	1.03E-04
2.50E+02	4.72E-04	-3.23E-04	2.04E-04
2.50E+02	5.14E-04	-2.69E-04	2.08E-04
2.50E+02	5.02E-04	-1.98E-04	2.07E-04
2.50E+02	4.76E-04	-1.44E-04	1.72E-04
2.50E+02	5.20E-04	-6.77E-05	1.27E-04
2.50E+02	5.61E-04	2.40E-05	1.17E-04
2.50E+02	5.74E-04	3.97E-05	-2.86E-06

2.50E+02	6.09E-04	4.46E-05	-1.03E-04
2.50E+02	6.66E-04	6.01E-05	-9.08E-05
2.50E+02	7.40E-04	4.63E-05	-7.63E-05
2.50E+02	7.82E-04	1.01E-05	-1.60E-05
2.50E+02	8.06E-04	-8.01E-05	1.85E-05
2.50E+02	8.66E-04	-1.82E-04	1.70E-05
2.50E+02	8.92E-04	-2.63E-04	4.98E-05
2.50E+02	8.83E-04	-3.41E-04	3.60E-05
2.50E+02	8.68E-04	-3.73E-04	8.56E-05
2.50E+02	8.30E-04	-3.86E-04	2.10E-04
2.50E+02	8.08E-04	-4.29E-04	2.51E-04
2.50E+02	7.66E-04	-4.80E-04	2.85E-04
2.50E+02	7.22E-04	-5.46E-04	3.22E-04
2.50E+02	7.88E-04	-5.98E-04	3.70E-04
2.50E+02	8.84E-04	-6.48E-04	4.22E-04
2.50E+02	9.53E-04	-7.49E-04	3.06E-04
2.50E+02	1.05E-03	-8.31E-04	1.50E-04
2.50E+02	1.15E-03	-8.60E-04	1.00E-04
2.50E+02	1.22E-03	-8.60E-04	3.99E-05
2.50E+02	1.22E-03	-8.33E-04	5.72E-07
2.50E+02	1.16E-03	-8.19E-04	-2.19E-05
2.50E+02	1.11E-03	-8.38E-04	-1.08E-04
2.50E+02	1.04E-03	-8.71E-04	-1.68E-04
2.50E+02	9.31E-04	-9.30E-04	-2.16E-04
2.50E+02	8.23E-04	-9.85E-04	-2.45E-04
2.50E+02	6.97E-04	-9.87E-04	-1.86E-04
2.50E+02	5.83E-04	-9.43E-04	-1.69E-04
2.50E+02	4.77E-04	-8.62E-04	-1.75E-04
2.50E+02	3.54E-04	-7.60E-04	-1.41E-04
2.50E+02	3.07E-04	-6.50E-04	-8.41E-05
2.50E+02	3.01E-04	-5.68E-04	5.68E-05
2.50E+02	2.60E-04	-5.84E-04	1.30E-04
2.50E+02	2.36E-04	-6.47E-04	6.77E-05
2.50E+02	2.11E-04	-6.95E-04	2.12E-05
2.50E+02	1.97E-04	-7.31E-04	-1.14E-06
2.50E+02	1.66E-04	-7.40E-04	5.87E-05
2.50E+02	6.37E-05	-7.55E-04	1.84E-04
2.50E+02	1.96E-05	-7.61E-04	2.96E-04
2.50E+02	5.05E-05	-7.03E-04	4.65E-04
2.50E+02	7.11E-05	-6.51E-04	5.73E-04
2.50E+02	1.26E-04	-6.20E-04	5.49E-04
2.50E+02	2.08E-04	-5.54E-04	5.63E-04
2.50E+02	3.19E-04	-4.86E-04	5.51E-04
2.50E+02	4.53E-04	-4.30E-04	4.63E-04
2.50E+02	5.25E-04	-3.65E-04	3.99E-04
2.50E+02	6.17E-04	-2.82E-04	3.25E-04
2.50E+02	7.41E-04	-1.52E-04	2.70E-04

2.50E+02	7.87E-04	-4.62E-05	1.98E-04
2.50E+02	8.13E-04	-1.91E-06	5.32E-05
2.50E+02	8.27E-04	4.69E-05	-4.16E-05
2.50E+02	8.26E-04	9.31E-05	-1.09E-04
2.50E+02	8.25E-04	1.37E-04	-1.54E-04
2.50E+02	7.59E-04	1.69E-04	-1.16E-04
2.50E+02	6.94E-04	1.67E-04	-6.54E-05
2.50E+02	6.44E-04	1.54E-04	-2.75E-05
2.50E+02	5.46E-04	1.09E-04	-2.46E-05
2.50E+02	4.55E-04	4.48E-05	-1.02E-04
2.50E+02	3.64E-04	-1.81E-05	-1.67E-04
2.50E+02	2.88E-04	-1.04E-04	-1.97E-04
2.50E+02	2.40E-04	-2.13E-04	-2.65E-04
2.50E+02	1.41E-04	-3.49E-04	-2.87E-04
2.50E+02	4.46E-05	-4.98E-04	-2.20E-04
2.50E+02	1.56E-05	-6.11E-04	-7.23E-05
2.50E+02	-9.73E-06	-6.95E-04	1.13E-04
2.50E+02	-1.56E-05	-7.82E-04	2.03E-04
2.50E+02	2.33E-05	-8.36E-04	2.31E-04
2.50E+02	7.46E-05	-8.56E-04	2.51E-04
2.50E+02	1.37E-04	-8.65E-04	2.26E-04
2.50E+02	1.44E-04	-8.64E-04	2.08E-04
2.50E+02	1.03E-04	-8.89E-04	1.94E-04
2.50E+02	1.01E-04	-9.15E-04	1.92E-04
2.50E+02	5.86E-05	-9.41E-04	2.16E-04
2.50E+02	-3.70E-05	-9.97E-04	1.88E-04
2.50E+02	-1.07E-04	-9.83E-04	1.94E-04
2.50E+02	-1.78E-04	-9.15E-04	2.37E-04
2.50E+02	-2.26E-04	-8.35E-04	2.13E-04
2.50E+02	-2.79E-04	-7.10E-04	2.13E-04
2.50E+02	-3.61E-04	-5.95E-04	2.08E-04
2.50E+02	-3.80E-04	-4.75E-04	1.83E-04
2.50E+02	-3.89E-04	-3.70E-04	1.91E-04
2.50E+02	-4.26E-04	-3.51E-04	1.36E-04
2.50E+02	-4.24E-04	-3.65E-04	5.93E-05
2.50E+02	-3.89E-04	-3.77E-04	5.30E-05
2.50E+02	-3.13E-04	-3.77E-04	8.22E-05
2.50E+02	-2.48E-04	-3.47E-04	1.60E-04
2.50E+02	-2.26E-04	-3.11E-04	2.15E-04
2.50E+02	-1.56E-04	-2.49E-04	1.74E-04
2.50E+02	-6.48E-05	-1.76E-04	1.03E-04
2.50E+02	-5.72E-06	-1.43E-04	-4.56E-05
2.50E+02	6.28E-05	-1.32E-04	-2.19E-04
2.50E+02	1.49E-04	-1.24E-04	-2.49E-04
2.50E+02	2.47E-04	-1.24E-04	-2.49E-04
2.50E+02	3.07E-04	-1.27E-04	-2.61E-04
2.50E+02	2.99E-04	-1.26E-04	-2.30E-04

2.50E+02	2.63E-04	-1.14E-04	-2.21E-04
2.50E+02	1.78E-04	-8.35E-05	-1.56E-04
2.50E+02	2.27E-05	-8.16E-05	-1.32E-04
2.50E+02	-1.72E-04	-1.24E-04	-2.01E-04
2.50E+02	-3.50E-04	-1.38E-04	-1.71E-04
2.50E+02	-4.44E-04	-1.21E-04	-8.79E-05
2.50E+02	-4.96E-04	-9.04E-05	2.94E-05
2.50E+02	-5.26E-04	-6.50E-05	1.95E-04
2.50E+02	-4.31E-04	-6.64E-05	3.05E-04
2.50E+02	-2.67E-04	-8.26E-05	3.94E-04
2.50E+02	-1.33E-04	-1.46E-04	3.97E-04
2.50E+02	2.48E-06	-2.52E-04	2.47E-04
2.50E+02	1.26E-04	-3.34E-04	1.34E-04
2.50E+02	2.19E-04	-3.99E-04	7.80E-05
2.50E+02	2.63E-04	-4.68E-04	2.98E-05
2.50E+02	2.06E-04	-5.24E-04	1.98E-05
2.50E+02	1.11E-04	-5.45E-04	-3.78E-05
2.50E+02	3.15E-05	-4.80E-04	-9.82E-05
2.50E+02	-1.06E-04	-3.90E-04	-1.61E-04
2.50E+02	-2.64E-04	-3.30E-04	-2.64E-04
2.50E+02	-3.90E-04	-2.41E-04	-2.77E-04
2.50E+02	-5.17E-04	-1.64E-04	-2.75E-04
2.50E+02	-6.39E-04	-1.21E-04	-3.13E-04
2.50E+02	-7.79E-04	-9.44E-05	-2.96E-04
2.50E+02	-8.91E-04	-9.82E-05	-2.81E-04
2.50E+02	-9.41E-04	-9.92E-05	-2.75E-04
2.50E+02	-1.01E-03	-1.36E-04	-2.78E-04
2.50E+02	-1.07E-03	-2.07E-04	-3.08E-04
2.50E+02	-1.07E-03	-2.37E-04	-2.31E-04
2.50E+02	-1.04E-03	-2.41E-04	-1.12E-04
2.50E+02	-9.55E-04	-2.36E-04	-8.85E-05
2.50E+02	-8.99E-04	-2.16E-04	-6.22E-05
2.50E+02	-8.57E-04	-1.95E-04	-2.40E-05
2.50E+02	-7.74E-04	-1.57E-04	8.39E-06
2.50E+02	-7.24E-04	-1.27E-04	4.39E-05
2.50E+02	-6.88E-04	-1.35E-04	1.91E-05
2.50E+02	-6.19E-04	-1.42E-04	2.94E-05
2.50E+02	-5.38E-04	-1.30E-04	6.66E-05
2.50E+02	-4.31E-04	-1.26E-04	3.47E-05
2.50E+02	-3.43E-04	-1.09E-04	1.13E-05
2.50E+02	-2.70E-04	-7.55E-05	-2.65E-05
2.50E+02	-1.70E-04	-6.47E-05	-5.87E-05
2.50E+02	-1.22E-04	-9.77E-05	-5.42E-05
2.50E+02	-1.42E-04	-1.93E-04	-1.28E-04
2.50E+02	-1.90E-04	-2.98E-04	-1.79E-04
2.50E+02	-2.35E-04	-3.67E-04	-1.38E-04
2.50E+02	-2.50E-04	-4.19E-04	-1.19E-04

2.50E+02	-2.99E-04	-4.27E-04	-7.82E-05
2.50E+02	-3.45E-04	-3.87E-04	-1.35E-05
2.51E+02	-3.08E-04	-3.14E-04	5.84E-05
2.51E+02	-2.78E-04	-2.43E-04	1.52E-04
2.51E+02	-2.83E-04	-2.71E-04	1.70E-04
2.51E+02	-2.82E-04	-3.73E-04	1.59E-04
2.51E+02	-2.90E-04	-5.10E-04	1.60E-04
2.51E+02	-2.90E-04	-6.93E-04	1.06E-04
2.51E+02	-3.28E-04	-8.70E-04	4.69E-05
2.51E+02	-4.24E-04	-1.05E-03	-2.69E-05
2.51E+02	-4.92E-04	-1.20E-03	-1.10E-04
2.51E+02	-5.83E-04	-1.29E-03	-1.68E-04
2.51E+02	-7.29E-04	-1.37E-03	-2.89E-04
2.51E+02	-8.53E-04	-1.41E-03	-4.23E-04
2.51E+02	-9.40E-04	-1.39E-03	-4.66E-04
2.51E+02	-9.71E-04	-1.36E-03	-4.93E-04
2.51E+02	-9.74E-04	-1.33E-03	-4.76E-04
2.51E+02	-9.91E-04	-1.27E-03	-3.92E-04
2.51E+02	-9.75E-04	-1.20E-03	-3.09E-04
2.51E+02	-9.51E-04	-1.09E-03	-2.23E-04
2.51E+02	-9.86E-04	-1.02E-03	-2.33E-04
2.51E+02	-1.02E-03	-9.93E-04	-2.78E-04
2.51E+02	-1.00E-03	-9.29E-04	-2.12E-04
2.51E+02	-9.46E-04	-8.99E-04	-1.64E-04
2.51E+02	-8.71E-04	-9.11E-04	-1.32E-04
2.51E+02	-8.02E-04	-9.24E-04	-6.81E-05
2.51E+02	-6.89E-04	-9.63E-04	-2.40E-05
2.51E+02	-5.58E-04	-1.00E-03	2.96E-05
2.51E+02	-4.88E-04	-1.07E-03	-9.16E-06
2.51E+02	-4.32E-04	-1.16E-03	-1.56E-04
2.51E+02	-3.82E-04	-1.20E-03	-2.65E-04
2.51E+02	-3.41E-04	-1.22E-03	-3.86E-04
2.51E+02	-3.38E-04	-1.24E-03	-5.12E-04
2.51E+02	-4.31E-04	-1.24E-03	-5.75E-04
2.51E+02	-5.25E-04	-1.22E-03	-6.06E-04
2.51E+02	-6.12E-04	-1.12E-03	-5.13E-04
2.51E+02	-7.40E-04	-1.01E-03	-3.66E-04
2.51E+02	-8.28E-04	-9.07E-04	-2.76E-04
2.51E+02	-8.67E-04	-7.81E-04	-1.33E-04
2.51E+02	-8.67E-04	-6.80E-04	-2.19E-05
2.51E+02	-8.27E-04	-5.99E-04	2.54E-05
2.51E+02	-8.15E-04	-5.37E-04	7.93E-05
2.51E+02	-7.68E-04	-5.02E-04	5.93E-05
2.51E+02	-6.54E-04	-4.29E-04	5.57E-05
2.51E+02	-5.93E-04	-3.67E-04	6.56E-05
2.51E+02	-5.62E-04	-3.32E-04	4.01E-06
2.51E+02	-5.31E-04	-2.31E-04	5.34E-06

2.51E+02	-5.37E-04	-1.08E-04	-1.39E-05
2.51E+02	-5.67E-04	6.87E-06	-1.34E-04
2.51E+02	-6.67E-04	1.21E-04	-2.24E-04
2.51E+02	-7.82E-04	1.95E-04	-2.96E-04
2.51E+02	-8.45E-04	2.52E-04	-3.53E-04
2.51E+02	-9.29E-04	2.53E-04	-4.12E-04
2.51E+02	-1.00E-03	1.59E-04	-5.14E-04
2.51E+02	-1.02E-03	4.10E-05	-5.42E-04
2.51E+02	-9.99E-04	-8.56E-05	-4.98E-04
2.51E+02	-9.38E-04	-2.13E-04	-4.74E-04
2.51E+02	-8.92E-04	-3.13E-04	-4.33E-04
2.51E+02	-8.38E-04	-3.83E-04	-3.96E-04
2.51E+02	-7.12E-04	-4.06E-04	-3.74E-04
2.51E+02	-6.10E-04	-4.08E-04	-3.46E-04
2.51E+02	-5.40E-04	-4.39E-04	-3.63E-04
2.51E+02	-4.46E-04	-4.67E-04	-3.27E-04
2.51E+02	-3.60E-04	-4.93E-04	-2.03E-04
2.51E+02	-2.84E-04	-5.58E-04	-1.39E-04
2.51E+02	-2.60E-04	-6.13E-04	-9.73E-05
2.51E+02	-2.75E-04	-6.37E-04	-4.02E-05
2.51E+02	-2.64E-04	-6.20E-04	1.30E-05
2.51E+02	-3.07E-04	-5.79E-04	3.24E-05
2.51E+02	-3.96E-04	-5.95E-04	-7.17E-05
2.51E+02	-4.57E-04	-6.10E-04	-1.55E-04
2.51E+02	-4.92E-04	-6.00E-04	-1.57E-04
2.51E+02	-4.86E-04	-6.14E-04	-1.56E-04
2.51E+02	-4.91E-04	-6.19E-04	-6.98E-05
2.51E+02	-5.01E-04	-6.27E-04	4.08E-05
2.51E+02	-4.36E-04	-6.13E-04	1.49E-04
2.51E+02	-3.67E-04	-5.67E-04	2.87E-04
2.51E+02	-3.30E-04	-5.46E-04	2.89E-04
2.51E+02	-2.81E-04	-5.06E-04	1.85E-04
2.51E+02	-2.39E-04	-4.40E-04	8.22E-05
2.51E+02	-1.75E-04	-3.94E-04	-7.15E-05
2.51E+02	-1.37E-04	-3.67E-04	-1.94E-04
2.51E+02	-1.55E-04	-3.75E-04	-2.41E-04
2.51E+02	-1.28E-04	-3.92E-04	-2.26E-04
2.51E+02	-1.03E-04	-3.97E-04	-1.32E-04
2.51E+02	-1.20E-04	-4.52E-04	-1.39E-04
2.51E+02	-1.05E-04	-5.04E-04	-2.38E-04
2.51E+02	-4.67E-05	-4.80E-04	-2.78E-04
2.51E+02	3.49E-05	-4.30E-04	-3.78E-04
2.51E+02	1.16E-04	-3.39E-04	-4.67E-04
2.51E+02	1.58E-04	-2.14E-04	-4.60E-04
2.51E+02	2.13E-04	-1.06E-04	-4.34E-04
2.51E+02	2.71E-04	-1.20E-05	-3.30E-04
2.51E+02	2.31E-04	3.81E-07	-2.38E-04

2.51E+02	1.31E-04	-6.94E-05	-1.71E-04
2.51E+02	1.91E-06	-1.22E-04	-1.37E-05
2.51E+02	-1.43E-04	-1.65E-04	7.08E-05
2.51E+02	-2.89E-04	-1.88E-04	9.27E-05
2.51E+02	-4.56E-04	-1.64E-04	1.57E-04
2.51E+02	-5.71E-04	-1.16E-04	1.92E-04
2.51E+02	-6.26E-04	-4.98E-05	2.38E-04
2.51E+02	-6.76E-04	-2.86E-05	1.98E-04
2.51E+02	-6.74E-04	-5.76E-05	7.11E-05
2.51E+02	-6.19E-04	-8.56E-05	2.57E-05
2.51E+02	-5.28E-04	-1.41E-04	-4.83E-05
2.51E+02	-4.19E-04	-1.96E-04	-1.65E-04
2.51E+02	-3.70E-04	-2.39E-04	-3.01E-04
2.51E+02	-3.10E-04	-2.62E-04	-4.61E-04
2.51E+02	-1.97E-04	-2.01E-04	-4.92E-04
2.51E+02	-1.17E-04	-1.25E-04	-4.75E-04
2.51E+02	-3.26E-05	-4.60E-05	-4.94E-04
2.51E+02	7.69E-05	8.87E-05	-4.37E-04
2.51E+02	2.07E-04	2.33E-04	-3.43E-04
2.51E+02	3.36E-04	3.62E-04	-2.37E-04
2.51E+02	3.87E-04	4.60E-04	-6.05E-05
2.51E+02	4.06E-04	5.19E-04	1.18E-04
2.51E+02	4.20E-04	5.49E-04	2.86E-04
2.51E+02	3.76E-04	5.14E-04	4.29E-04
2.51E+02	3.06E-04	4.29E-04	4.78E-04
2.51E+02	2.62E-04	3.59E-04	5.01E-04
2.51E+02	2.57E-04	3.08E-04	4.63E-04
2.51E+02	2.66E-04	2.75E-04	3.37E-04
2.51E+02	2.52E-04	2.82E-04	2.33E-04
2.51E+02	2.66E-04	3.05E-04	1.23E-04
2.51E+02	3.45E-04	3.45E-04	5.76E-05
2.51E+02	4.00E-04	3.71E-04	5.70E-05
2.51E+02	4.16E-04	3.16E-04	-7.82E-06
2.51E+02	4.25E-04	2.39E-04	-7.32E-05
2.51E+02	4.13E-04	1.68E-04	-1.41E-04
2.51E+02	4.12E-04	9.75E-05	-2.99E-04
2.51E+02	4.00E-04	8.72E-05	-4.27E-04
2.51E+02	3.88E-04	1.34E-04	-5.03E-04
2.51E+02	4.40E-04	2.36E-04	-5.11E-04
2.51E+02	4.82E-04	3.59E-04	-4.45E-04
2.51E+02	4.81E-04	4.15E-04	-4.26E-04
2.51E+02	4.81E-04	4.44E-04	-3.19E-04
2.51E+02	4.67E-04	4.60E-04	-8.89E-05
2.51E+02	4.28E-04	4.35E-04	9.16E-05
2.51E+02	3.24E-04	4.19E-04	2.75E-04
2.51E+02	1.63E-04	4.01E-04	4.18E-04
2.51E+02	7.63E-06	3.83E-04	4.79E-04

2.51E+02	-1.89E-04	3.72E-04	5.21E-04
2.51E+02	-4.26E-04	3.23E-04	4.85E-04
2.51E+02	-6.26E-04	2.64E-04	4.44E-04
2.51E+02	-7.62E-04	2.08E-04	4.52E-04
2.51E+02	-8.05E-04	1.35E-04	4.12E-04
2.51E+02	-7.97E-04	7.06E-05	4.05E-04
2.51E+02	-7.47E-04	1.43E-05	4.52E-04
2.51E+02	-5.82E-04	3.62E-06	4.69E-04
2.51E+02	-3.89E-04	3.28E-05	4.34E-04
2.51E+02	-2.22E-04	3.09E-05	2.75E-04
2.51E+02	-3.85E-05	3.81E-05	9.75E-05
2.51E+02	1.07E-04	3.24E-05	-2.14E-05
2.51E+02	2.07E-04	-2.86E-05	-1.60E-04
2.51E+02	2.45E-04	-8.72E-05	-2.29E-04
2.51E+02	1.95E-04	-1.47E-04	-2.17E-04
2.51E+02	1.52E-04	-1.76E-04	-1.94E-04
2.51E+02	1.05E-04	-1.55E-04	-1.42E-04
2.51E+02	1.91E-07	-1.36E-04	-1.75E-04
2.51E+02	-1.05E-04	-8.28E-05	-2.84E-04
2.51E+02	-1.96E-04	-9.54E-06	-3.32E-04
2.51E+02	-2.69E-04	1.03E-05	-3.78E-04
2.51E+02	-3.29E-04	-8.77E-06	-3.56E-04
2.51E+02	-3.93E-04	-7.67E-05	-1.94E-04
2.51E+02	-3.93E-04	-1.72E-04	1.91E-05
2.51E+02	-3.49E-04	-2.45E-04	3.14E-04
2.51E+02	-3.17E-04	-3.31E-04	5.94E-04
2.51E+02	-2.45E-04	-3.84E-04	7.70E-04
2.51E+02	-1.60E-04	-3.52E-04	8.94E-04
2.51E+02	-7.00E-05	-2.64E-04	8.69E-04
2.51E+02	1.01E-05	-1.15E-04	7.09E-04
2.51E+02	2.38E-05	6.50E-05	5.11E-04
2.51E+02	6.10E-05	2.55E-04	3.09E-04
2.51E+02	1.11E-04	4.50E-04	2.04E-04
2.51E+02	8.81E-05	5.81E-04	1.57E-04
2.51E+02	2.40E-05	6.27E-04	9.21E-05
2.51E+02	-3.80E-05	6.48E-04	1.12E-04
2.51E+02	-4.46E-05	6.50E-04	1.48E-04
2.51E+02	-2.42E-05	6.12E-04	1.27E-04
2.51E+02	-2.04E-05	5.46E-04	1.54E-04
2.51E+02	3.83E-05	4.69E-04	2.13E-04
2.51E+02	1.48E-04	4.14E-04	3.19E-04
2.51E+02	2.08E-04	3.41E-04	3.97E-04
2.51E+02	2.21E-04	2.45E-04	3.23E-04
2.51E+02	2.05E-04	1.86E-04	2.42E-04
2.51E+02	1.43E-04	1.50E-04	1.94E-04
2.51E+02	4.20E-05	1.33E-04	1.51E-04
2.51E+02	-1.28E-04	1.26E-04	1.65E-04

2.51E+02	-3.09E-04	1.18E-04	1.74E-04
2.51E+02	-4.40E-04	1.54E-04	2.20E-04
2.51E+02	-5.86E-04	1.94E-04	3.11E-04
2.51E+02	-7.09E-04	2.24E-04	3.41E-04
2.51E+02	-7.70E-04	2.97E-04	3.67E-04
2.51E+02	-7.65E-04	4.00E-04	3.48E-04
2.51E+02	-6.78E-04	5.00E-04	2.33E-04
2.51E+02	-5.78E-04	5.88E-04	1.63E-04
2.51E+02	-4.46E-04	6.80E-04	1.66E-04
2.51E+02	-2.70E-04	8.09E-04	2.48E-04
2.51E+02	-1.46E-04	9.52E-04	3.67E-04
2.51E+02	-9.29E-05	1.04E-03	3.63E-04
2.51E+02	-1.09E-04	1.11E-03	3.26E-04
2.51E+02	-1.67E-04	1.18E-03	3.15E-04
2.52E+02	-2.46E-04	1.22E-03	2.80E-04
2.52E+02	-3.87E-04	1.23E-03	3.04E-04
2.52E+02	-5.17E-04	1.20E-03	3.35E-04
2.52E+02	-5.39E-04	1.14E-03	3.88E-04
2.52E+02	-5.04E-04	1.10E-03	4.92E-04
2.52E+02	-4.26E-04	1.04E-03	4.98E-04
2.52E+02	-2.87E-04	9.90E-04	4.68E-04
2.52E+02	-1.27E-04	9.27E-04	4.21E-04
2.52E+02	3.95E-05	8.21E-04	2.77E-04
2.52E+02	1.42E-04	6.91E-04	1.46E-04
2.52E+02	1.75E-04	5.35E-04	4.58E-05
2.52E+02	2.17E-04	4.04E-04	2.71E-05
2.52E+02	1.80E-04	3.08E-04	1.28E-04
2.52E+02	4.75E-05	1.95E-04	1.96E-04
2.52E+02	-7.92E-05	9.29E-05	2.63E-04
2.52E+02	-2.00E-04	3.40E-05	4.03E-04
2.52E+02	-2.94E-04	5.34E-06	5.41E-04
2.52E+02	-3.85E-04	-1.91E-06	6.60E-04
2.52E+02	-4.89E-04	1.34E-06	6.96E-04
2.52E+02	-5.17E-04	3.83E-05	6.45E-04
2.52E+02	-5.12E-04	1.12E-04	6.19E-04
2.52E+02	-5.20E-04	1.69E-04	5.95E-04
2.52E+02	-5.01E-04	2.17E-04	6.10E-04
2.52E+02	-5.01E-04	2.71E-04	7.16E-04
2.52E+02	-5.26E-04	2.97E-04	7.26E-04
2.52E+02	-5.95E-04	3.19E-04	6.08E-04
2.52E+02	-7.28E-04	3.46E-04	4.41E-04
2.52E+02	-8.20E-04	3.99E-04	2.65E-04
2.52E+02	-8.93E-04	5.15E-04	1.87E-04
2.52E+02	-9.99E-04	6.25E-04	1.24E-04
2.52E+02	-1.07E-03	7.27E-04	4.02E-05
2.52E+02	-1.10E-03	8.61E-04	4.71E-05
2.52E+02	-1.08E-03	9.69E-04	6.62E-05

2.52E+02	-1.05E-03	1.06E-03	5.25E-05
2.52E+02	-1.04E-03	1.13E-03	3.28E-05
2.52E+02	-9.65E-04	1.19E-03	7.63E-07
2.52E+02	-8.48E-04	1.30E-03	1.56E-05
2.52E+02	-7.70E-04	1.38E-03	3.83E-05
2.52E+02	-6.97E-04	1.44E-03	7.15E-05
2.52E+02	-6.60E-04	1.51E-03	2.02E-04
2.52E+02	-6.45E-04	1.51E-03	2.93E-04
2.52E+02	-6.42E-04	1.45E-03	3.07E-04
2.52E+02	-6.89E-04	1.39E-03	3.46E-04
2.52E+02	-6.96E-04	1.31E-03	3.65E-04
2.52E+02	-6.66E-04	1.28E-03	3.96E-04
2.52E+02	-6.74E-04	1.24E-03	3.93E-04
2.52E+02	-6.58E-04	1.16E-03	2.81E-04
2.52E+02	-5.91E-04	1.10E-03	2.04E-04
2.52E+02	-5.01E-04	1.03E-03	1.15E-04
2.52E+02	-3.80E-04	9.23E-04	1.89E-05
2.52E+02	-2.68E-04	8.31E-04	3.41E-05
2.52E+02	-1.42E-04	7.22E-04	6.56E-05
2.52E+02	1.77E-05	6.02E-04	1.40E-04
2.52E+02	9.54E-05	4.64E-04	2.24E-04
2.52E+02	9.77E-05	3.00E-04	2.29E-04
2.52E+02	7.53E-05	1.99E-04	2.96E-04
2.52E+02	2.61E-05	1.67E-04	3.88E-04
2.52E+02	-2.08E-05	1.83E-04	4.06E-04
2.52E+02	-8.85E-05	2.79E-04	4.26E-04
2.52E+02	-1.17E-04	4.20E-04	4.38E-04
2.52E+02	-6.14E-05	5.99E-04	4.70E-04
2.52E+02	-2.37E-05	7.54E-04	5.03E-04
2.52E+02	9.73E-06	8.11E-04	4.09E-04
2.52E+02	6.18E-05	8.48E-04	3.07E-04
2.52E+02	9.52E-05	8.79E-04	2.25E-04
2.52E+02	1.17E-04	8.86E-04	9.02E-05
2.52E+02	5.42E-05	8.96E-04	2.16E-05
2.52E+02	-6.20E-05	9.10E-04	-3.19E-05
2.52E+02	-1.38E-04	9.44E-04	-9.65E-05
2.52E+02	-2.39E-04	9.85E-04	-1.07E-04
2.52E+02	-3.68E-04	1.01E-03	-1.47E-04
2.52E+02	-4.59E-04	1.05E-03	-1.29E-04
2.52E+02	-4.74E-04	1.12E-03	-6.87E-06
2.52E+02	-4.28E-04	1.15E-03	5.09E-05
2.52E+02	-3.99E-04	1.13E-03	8.35E-05
2.52E+02	-3.60E-04	1.11E-03	1.25E-04
2.52E+02	-2.66E-04	1.09E-03	1.15E-04
2.52E+02	-1.86E-04	1.09E-03	8.51E-05
2.52E+02	-1.40E-04	1.08E-03	-1.72E-05
2.52E+02	-9.04E-05	1.05E-03	-1.00E-04

2.52E+02	-4.22E-05	1.03E-03	-9.14E-05
2.52E+02	-4.39E-06	9.83E-04	-1.47E-04
2.52E+02	-1.85E-05	9.01E-04	-2.31E-04
2.52E+02	-6.85E-05	8.09E-04	-2.95E-04
2.52E+02	-6.64E-05	7.28E-04	-3.25E-04
2.52E+02	-4.94E-05	6.72E-04	-2.79E-04
2.52E+02	-5.44E-05	6.11E-04	-2.84E-04
2.52E+02	-2.73E-05	5.71E-04	-2.80E-04
2.52E+02	2.52E-05	5.77E-04	-1.65E-04
2.52E+02	1.01E-04	5.72E-04	-7.21E-05
2.52E+02	1.56E-04	5.56E-04	-2.10E-06
2.52E+02	1.51E-04	5.40E-04	6.33E-05
2.52E+02	1.72E-04	5.54E-04	1.00E-04
2.52E+02	1.93E-04	6.14E-04	1.40E-04
2.52E+02	1.60E-04	6.56E-04	1.18E-04
2.52E+02	1.26E-04	7.04E-04	9.19E-05
2.52E+02	8.43E-05	7.91E-04	1.65E-04
2.52E+02	8.01E-06	8.62E-04	2.13E-04
2.52E+02	-1.27E-04	8.93E-04	1.82E-04
2.52E+02	-3.06E-04	8.94E-04	1.32E-04
2.52E+02	-4.36E-04	8.85E-04	6.69E-05
2.52E+02	-5.15E-04	8.70E-04	6.05E-05
2.52E+02	-5.83E-04	8.33E-04	9.02E-05
2.52E+02	-6.08E-04	7.86E-04	1.09E-04
2.52E+02	-5.85E-04	7.58E-04	1.83E-04
2.52E+02	-5.33E-04	7.26E-04	2.17E-04
2.52E+02	-4.67E-04	6.62E-04	1.92E-04
2.52E+02	-4.41E-04	5.46E-04	1.48E-04
2.52E+02	-3.84E-04	4.03E-04	4.69E-05
2.52E+02	-2.70E-04	2.95E-04	-3.68E-05
2.52E+02	-2.04E-04	1.80E-04	-1.67E-04
2.52E+02	-1.40E-04	5.87E-05	-3.65E-04
2.52E+02	-7.55E-05	-1.16E-05	-4.74E-04
2.52E+02	-4.33E-05	-6.58E-05	-5.52E-04
2.52E+02	-1.49E-05	-1.16E-04	-6.25E-04
2.52E+02	-4.23E-05	-1.53E-04	-6.20E-04
2.52E+02	-3.57E-05	-1.67E-04	-5.95E-04
2.52E+02	4.16E-05	-1.26E-04	-5.21E-04
2.52E+02	8.91E-05	-6.08E-05	-4.25E-04
2.52E+02	1.48E-04	2.29E-06	-3.82E-04
2.52E+02	2.17E-04	1.06E-04	-2.84E-04
2.52E+02	2.90E-04	2.16E-04	-1.93E-04
2.52E+02	3.67E-04	2.93E-04	-2.08E-04
2.52E+02	3.72E-04	3.51E-04	-2.11E-04
2.52E+02	3.74E-04	4.00E-04	-1.82E-04
2.52E+02	4.01E-04	4.77E-04	-9.80E-05
2.52E+02	3.82E-04	5.53E-04	3.60E-05

2.52E+02	3.32E-04	5.94E-04	9.10E-05
2.52E+02	2.61E-04	6.69E-04	1.36E-04
2.52E+02	1.95E-04	7.79E-04	2.01E-04
2.52E+02	1.26E-04	8.97E-04	2.15E-04
2.52E+02	7.63E-06	1.03E-03	2.48E-04
2.52E+02	-9.02E-05	1.15E-03	2.75E-04
2.52E+02	-1.20E-04	1.27E-03	3.14E-04
2.52E+02	-1.50E-04	1.32E-03	4.08E-04
2.52E+02	-1.81E-04	1.24E-03	4.39E-04
2.52E+02	-1.73E-04	1.13E-03	4.44E-04
2.52E+02	-1.23E-04	1.00E-03	4.03E-04
2.52E+02	-3.51E-05	8.26E-04	2.50E-04
2.52E+02	3.78E-05	6.48E-04	1.32E-04
2.52E+02	1.21E-04	4.55E-04	5.53E-05
2.52E+02	2.64E-04	2.90E-04	2.21E-05
2.52E+02	3.65E-04	1.26E-04	1.96E-05
2.52E+02	4.12E-04	-9.38E-05	-6.85E-05
2.52E+02	4.31E-04	-2.97E-04	-1.47E-04
2.52E+02	4.16E-04	-4.70E-04	-2.26E-04
2.52E+02	4.22E-04	-6.11E-04	-3.86E-04
2.52E+02	3.92E-04	-7.04E-04	-5.63E-04
2.52E+02	3.71E-04	-7.65E-04	-7.26E-04
2.52E+02	4.66E-04	-7.57E-04	-7.93E-04
2.52E+02	5.60E-04	-7.10E-04	-7.44E-04
2.52E+02	6.35E-04	-6.75E-04	-6.63E-04
2.52E+02	7.47E-04	-6.39E-04	-4.66E-04
2.52E+02	8.47E-04	-6.01E-04	-1.50E-04
2.52E+02	9.48E-04	-5.76E-04	9.56E-05
2.52E+02	1.00E-03	-5.54E-04	2.43E-04
2.52E+02	9.82E-04	-5.25E-04	2.96E-04
2.52E+02	9.90E-04	-4.78E-04	2.80E-04
2.52E+02	9.57E-04	-4.22E-04	3.09E-04
2.52E+02	8.50E-04	-4.16E-04	3.06E-04
2.52E+02	7.39E-04	-4.43E-04	2.80E-04
2.52E+02	6.10E-04	-4.61E-04	2.89E-04
2.52E+02	4.82E-04	-4.96E-04	1.86E-04
2.52E+02	3.19E-04	-5.11E-04	-1.51E-05
2.52E+02	1.51E-04	-4.72E-04	-2.49E-04
2.52E+02	5.76E-05	-3.93E-04	-5.16E-04
2.52E+02	-2.84E-05	-2.81E-04	-6.98E-04
2.52E+02	-1.13E-04	-1.81E-04	-7.78E-04
2.52E+02	-1.56E-04	-1.11E-04	-7.56E-04
2.52E+02	-1.62E-04	-5.95E-05	-5.96E-04
2.52E+02	-1.11E-04	-4.62E-05	-4.33E-04
2.52E+02	-4.62E-05	-5.42E-05	-2.79E-04
2.52E+02	-3.62E-06	-6.48E-05	-1.04E-04
2.52E+02	8.75E-05	-4.92E-05	2.99E-05

2.52E+02	1.97E-04	2.98E-05	1.79E-04
2.52E+02	2.67E-04	1.22E-04	2.87E-04
2.52E+02	3.31E-04	1.89E-04	3.30E-04
2.52E+02	3.67E-04	2.53E-04	4.29E-04
2.52E+02	3.83E-04	2.90E-04	5.22E-04
2.52E+02	3.57E-04	2.88E-04	5.84E-04
2.52E+02	2.89E-04	2.47E-04	6.30E-04
2.52E+02	2.80E-04	1.51E-04	6.07E-04
2.52E+02	3.17E-04	4.98E-05	5.66E-04
2.52E+02	3.52E-04	-6.22E-05	4.59E-04
2.52E+02	4.10E-04	-1.59E-04	2.94E-04
2.52E+02	4.87E-04	-2.02E-04	1.99E-04
2.52E+02	5.83E-04	-2.55E-04	8.16E-05
2.52E+02	6.40E-04	-3.08E-04	-4.14E-05
2.52E+02	6.00E-04	-3.58E-04	-1.11E-04
2.52E+02	5.47E-04	-3.85E-04	-2.05E-04
2.52E+02	4.98E-04	-3.44E-04	-2.51E-04
2.52E+02	3.77E-04	-2.99E-04	-2.81E-04
2.52E+02	2.52E-04	-2.54E-04	-2.95E-04
2.52E+02	1.72E-04	-1.67E-04	-1.44E-04
2.52E+02	1.38E-04	-6.81E-05	4.44E-05
2.52E+02	1.56E-04	1.83E-05	1.78E-04
2.52E+02	1.86E-04	7.97E-05	2.67E-04
2.52E+02	2.98E-04	8.95E-05	2.16E-04
2.52E+02	5.04E-04	8.28E-05	1.10E-04
2.52E+02	6.90E-04	7.32E-05	-1.79E-05
2.53E+02	8.60E-04	4.98E-05	-2.17E-04
2.53E+02	1.01E-03	6.41E-05	-3.23E-04
2.53E+02	1.11E-03	7.65E-05	-3.44E-04
2.53E+02	1.16E-03	3.26E-05	-3.42E-04
2.53E+02	1.10E-03	-4.56E-05	-2.62E-04
2.53E+02	9.98E-04	-1.45E-04	-1.62E-04
2.53E+02	8.80E-04	-2.05E-04	-1.87E-05
2.53E+02	6.70E-04	-2.45E-04	1.11E-04
2.53E+02	4.09E-04	-3.11E-04	1.34E-04
2.53E+02	1.56E-04	-3.47E-04	2.04E-04
2.53E+02	-1.01E-04	-3.71E-04	3.21E-04
2.53E+02	-3.31E-04	-4.01E-04	4.21E-04
2.53E+02	-5.59E-04	-4.14E-04	5.20E-04
2.53E+02	-7.30E-04	-4.42E-04	5.28E-04
2.53E+02	-7.31E-04	-4.46E-04	5.11E-04
2.53E+02	-6.34E-04	-4.28E-04	5.21E-04
2.53E+02	-4.61E-04	-4.44E-04	4.60E-04
2.53E+02	-2.04E-04	-4.44E-04	3.91E-04
2.53E+02	7.88E-05	-4.35E-04	3.01E-04
2.53E+02	3.55E-04	-4.54E-04	1.11E-04
2.53E+02	5.41E-04	-4.74E-04	-4.71E-05

2.53E+02	6.67E-04	-4.79E-04	-1.34E-04
2.53E+02	7.88E-04	-4.26E-04	-1.86E-04
2.53E+02	8.05E-04	-3.26E-04	-2.19E-04
2.53E+02	7.45E-04	-2.34E-04	-3.11E-04
2.53E+02	6.78E-04	-1.18E-04	-3.49E-04
2.53E+02	5.91E-04	1.41E-05	-3.16E-04
2.53E+02	5.26E-04	1.12E-04	-3.15E-04
2.53E+02	4.27E-04	1.47E-04	-2.46E-04
2.53E+02	3.12E-04	1.13E-04	-1.21E-04
2.53E+02	3.00E-04	5.44E-05	-3.43E-06
2.53E+02	3.06E-04	-2.96E-05	7.51E-05
2.53E+02	3.03E-04	-1.66E-04	5.17E-05
2.53E+02	3.50E-04	-2.99E-04	3.80E-05
2.53E+02	4.31E-04	-4.11E-04	7.67E-05
2.53E+02	5.36E-04	-5.40E-04	7.90E-05
2.53E+02	6.14E-04	-6.64E-04	8.77E-05
2.53E+02	6.64E-04	-7.89E-04	1.03E-04
2.53E+02	7.52E-04	-9.03E-04	1.05E-04
2.53E+02	8.23E-04	-9.96E-04	1.05E-04
2.53E+02	8.60E-04	-1.12E-03	1.35E-05
2.53E+02	9.25E-04	-1.20E-03	-1.14E-04
2.53E+02	9.96E-04	-1.22E-03	-1.69E-04
2.53E+02	1.07E-03	-1.19E-03	-2.21E-04
2.53E+02	1.08E-03	-1.11E-03	-2.84E-04
2.53E+02	1.02E-03	-9.75E-04	-3.53E-04
2.53E+02	9.56E-04	-8.14E-04	-4.28E-04
2.53E+02	8.24E-04	-6.39E-04	-4.51E-04
2.53E+02	5.93E-04	-5.35E-04	-4.79E-04
2.53E+02	3.08E-04	-4.62E-04	-4.75E-04
2.53E+02	-4.96E-05	-3.69E-04	-3.58E-04
2.53E+02	-4.30E-04	-3.04E-04	-2.53E-04
2.53E+02	-8.24E-04	-2.46E-04	-1.35E-04
2.53E+02	-1.21E-03	-1.80E-04	6.81E-05
2.53E+02	-1.47E-03	-9.42E-05	2.94E-04
2.53E+02	-1.62E-03	1.11E-05	5.30E-04
2.53E+02	-1.68E-03	6.12E-05	6.57E-04
2.53E+02	-1.59E-03	7.92E-05	6.72E-04
2.53E+02	-1.35E-03	1.09E-04	6.84E-04
2.53E+02	-9.77E-04	1.15E-04	6.15E-04
2.53E+02	-5.63E-04	1.01E-04	5.07E-04
2.53E+02	-1.82E-04	7.48E-05	4.37E-04
2.53E+02	2.14E-04	4.75E-05	3.50E-04
2.53E+02	5.44E-04	2.19E-05	2.31E-04
2.53E+02	7.22E-04	-2.06E-05	-2.86E-06
2.53E+02	8.03E-04	-4.73E-05	-2.85E-04
2.53E+02	7.77E-04	-4.08E-05	-4.70E-04
2.53E+02	6.60E-04	-2.57E-05	-6.32E-04

2.53E+02	4.56E-04	-6.87E-06	-7.65E-04
2.53E+02	1.75E-04	7.82E-06	-7.97E-04
2.53E+02	-5.49E-05	1.05E-05	-7.59E-04
2.53E+02	-2.44E-04	-2.44E-05	-6.28E-04
2.53E+02	-4.26E-04	-1.44E-04	-4.69E-04
2.53E+02	-5.22E-04	-3.28E-04	-3.78E-04
2.53E+02	-5.43E-04	-4.90E-04	-2.65E-04
2.53E+02	-4.83E-04	-6.19E-04	-1.55E-04
2.53E+02	-3.64E-04	-7.07E-04	-9.78E-05
2.53E+02	-2.45E-04	-7.18E-04	-4.35E-05
2.53E+02	-6.08E-05	-6.69E-04	1.39E-05
2.53E+02	1.62E-04	-5.63E-04	1.29E-04
2.53E+02	2.98E-04	-4.69E-04	2.29E-04
2.53E+02	3.50E-04	-4.32E-04	2.38E-04
2.53E+02	3.38E-04	-3.92E-04	2.59E-04
2.53E+02	2.66E-04	-3.63E-04	2.29E-04
2.53E+02	1.14E-04	-3.72E-04	1.19E-04
2.53E+02	-1.35E-04	-3.93E-04	4.83E-05
2.53E+02	-3.67E-04	-3.77E-04	-1.62E-05
2.53E+02	-5.23E-04	-3.07E-04	-7.11E-05
2.53E+02	-6.40E-04	-2.50E-04	-1.25E-04
2.53E+02	-6.51E-04	-2.22E-04	-1.76E-04
2.53E+02	-5.27E-04	-1.84E-04	-1.08E-04
2.53E+02	-3.07E-04	-1.58E-04	-6.96E-05
2.53E+02	-1.95E-05	-1.08E-04	-1.57E-04
2.53E+02	2.28E-04	-2.96E-05	-2.22E-04
2.53E+02	4.46E-04	3.81E-07	-3.35E-04
2.53E+02	6.53E-04	-1.64E-05	-4.94E-04
2.53E+02	7.35E-04	-8.77E-05	-5.66E-04
2.53E+02	7.29E-04	-2.00E-04	-5.36E-04
2.53E+02	6.71E-04	-2.87E-04	-3.66E-04
2.53E+02	5.66E-04	-3.68E-04	-1.67E-04
2.53E+02	4.64E-04	-4.64E-04	-7.34E-05
2.53E+02	3.12E-04	-5.53E-04	-4.39E-05
2.53E+02	1.45E-04	-6.43E-04	-7.99E-05
2.53E+02	1.64E-05	-6.99E-04	-1.26E-04
2.53E+02	-1.54E-04	-7.16E-04	-1.49E-04
2.53E+02	-3.31E-04	-7.33E-04	-2.11E-04
2.53E+02	-4.67E-04	-6.97E-04	-2.25E-04
2.53E+02	-5.73E-04	-6.19E-04	-1.84E-04
2.53E+02	-6.37E-04	-5.42E-04	-1.74E-04
2.53E+02	-7.02E-04	-4.66E-04	-1.78E-04
2.53E+02	-7.15E-04	-4.12E-04	-1.99E-04
2.53E+02	-6.22E-04	-3.42E-04	-1.73E-04
2.53E+02	-5.21E-04	-2.62E-04	-7.76E-05
2.53E+02	-4.13E-04	-2.03E-04	-1.60E-05
2.53E+02	-2.71E-04	-1.20E-04	1.07E-04

2.53E+02	-1.12E-04	-3.83E-05	2.93E-04
2.53E+02	6.98E-05	1.34E-05	3.70E-04
2.53E+02	1.93E-04	4.29E-05	3.94E-04
2.53E+02	2.75E-04	3.60E-05	4.04E-04
2.53E+02	3.87E-04	2.14E-05	4.11E-04
2.53E+02	4.23E-04	-4.04E-05	4.10E-04
2.53E+02	3.61E-04	-1.82E-04	3.27E-04
2.53E+02	2.41E-04	-3.10E-04	2.70E-04
2.53E+02	4.96E-05	-3.95E-04	2.67E-04
2.53E+02	-1.79E-04	-4.42E-04	2.43E-04
2.53E+02	-4.91E-04	-4.35E-04	2.07E-04
2.53E+02	-7.90E-04	-3.68E-04	1.52E-04
2.53E+02	-9.41E-04	-2.38E-04	9.84E-05
2.53E+02	-1.04E-03	-1.20E-04	6.66E-05
2.53E+02	-1.09E-03	-6.14E-05	1.39E-05
2.53E+02	-1.05E-03	-2.84E-05	-2.67E-05
2.53E+02	-9.37E-04	-3.43E-05	-3.07E-05
2.53E+02	-7.57E-04	-9.94E-05	-1.13E-04
2.53E+02	-5.87E-04	-2.06E-04	-2.21E-04
2.53E+02	-4.40E-04	-3.35E-04	-2.31E-04
2.53E+02	-2.61E-04	-4.65E-04	-1.91E-04
2.53E+02	-1.05E-04	-6.04E-04	-1.21E-04
2.53E+02	-2.98E-05	-7.73E-04	-1.21E-04
2.53E+02	3.57E-05	-9.12E-04	-1.87E-04
2.53E+02	8.72E-05	-9.68E-04	-1.83E-04
2.53E+02	9.50E-05	-9.74E-04	-2.33E-04
2.53E+02	7.88E-05	-9.36E-04	-3.50E-04
2.53E+02	1.91E-07	-8.89E-04	-4.16E-04
2.53E+02	-5.38E-05	-8.41E-04	-4.74E-04
2.53E+02	-8.62E-05	-7.88E-04	-4.98E-04
2.53E+02	-1.94E-04	-7.93E-04	-4.68E-04
2.53E+02	-2.71E-04	-8.12E-04	-3.40E-04
2.53E+02	-3.03E-04	-8.02E-04	-1.29E-04
2.53E+02	-2.91E-04	-7.76E-04	5.63E-05
2.53E+02	-2.49E-04	-7.15E-04	2.86E-04
2.53E+02	-2.49E-04	-6.30E-04	4.71E-04
2.53E+02	-1.81E-04	-5.18E-04	5.45E-04
2.53E+02	-1.03E-04	-3.68E-04	6.14E-04
2.53E+02	-7.84E-05	-2.58E-04	5.55E-04
2.53E+02	-3.03E-05	-2.18E-04	4.34E-04
2.53E+02	4.58E-06	-1.68E-04	3.49E-04
2.53E+02	6.05E-05	-1.69E-04	1.90E-04
2.53E+02	1.05E-04	-2.34E-04	1.17E-04
2.53E+02	9.65E-05	-2.71E-04	2.03E-04
2.53E+02	1.03E-04	-3.50E-04	2.42E-04
2.53E+02	8.96E-05	-4.18E-04	2.18E-04
2.53E+02	-1.75E-05	-4.50E-04	1.18E-04

2.53E+02	-1.77E-04	-5.01E-04	-1.06E-04
2.53E+02	-2.98E-04	-4.97E-04	-3.19E-04
2.53E+02	-4.02E-04	-5.12E-04	-4.79E-04
2.53E+02	-5.06E-04	-5.58E-04	-5.99E-04
2.53E+02	-5.97E-04	-6.28E-04	-5.97E-04
2.53E+02	-6.76E-04	-7.19E-04	-4.34E-04
2.53E+02	-7.09E-04	-7.62E-04	-1.97E-04
2.53E+02	-7.35E-04	-8.58E-04	-5.13E-05
2.53E+02	-7.57E-04	-9.51E-04	2.48E-06
2.53E+02	-7.33E-04	-9.56E-04	9.54E-07
2.53E+02	-6.55E-04	-9.31E-04	-9.96E-05
2.53E+02	-5.39E-04	-7.93E-04	-1.44E-04
2.53E+02	-3.95E-04	-5.82E-04	-1.09E-04
2.53E+02	-1.73E-04	-3.95E-04	-1.28E-04
2.53E+02	9.56E-05	-1.87E-04	-7.00E-05
2.53E+02	3.31E-04	-2.92E-05	-1.32E-05
2.53E+02	5.54E-04	3.62E-05	-1.04E-04
2.53E+02	7.53E-04	8.28E-05	-1.35E-04
2.53E+02	8.89E-04	9.27E-05	-1.22E-04
2.53E+02	9.33E-04	5.17E-05	-2.14E-04
2.53E+02	8.27E-04	8.96E-06	-3.18E-04
2.53E+02	6.55E-04	-1.53E-06	-3.46E-04
2.53E+02	4.57E-04	9.54E-06	-3.00E-04
2.53E+02	1.92E-04	-5.53E-06	-3.04E-04
2.53E+02	-3.81E-05	-6.08E-05	-3.73E-04
2.53E+02	-1.94E-04	-9.02E-05	-3.42E-04
2.53E+02	-2.67E-04	-6.47E-05	-2.43E-04
2.53E+02	-2.58E-04	-2.42E-05	-1.83E-04
2.53E+02	-2.52E-04	3.45E-05	-1.57E-04
2.53E+02	-2.21E-04	9.14E-05	-2.03E-04
2.53E+02	-1.42E-04	1.46E-04	-2.35E-04
2.53E+02	-7.69E-05	1.93E-04	-1.86E-04
2.53E+02	-2.80E-05	1.66E-04	-1.84E-04
2.53E+02	6.68E-06	1.12E-04	-1.43E-04
2.53E+02	1.62E-05	5.38E-05	-2.71E-05
2.53E+02	-7.82E-06	-6.31E-05	-1.96E-05
2.53E+02	-1.42E-04	-1.92E-04	-2.88E-05
2.53E+02	-3.31E-04	-2.81E-04	-7.44E-06
2.54E+02	-5.02E-04	-3.09E-04	1.72E-06
2.54E+02	-7.26E-04	-3.00E-04	5.91E-06
2.54E+02	-9.65E-04	-3.30E-04	-1.05E-04
2.54E+02	-1.13E-03	-3.61E-04	-1.95E-04
2.54E+02	-1.22E-03	-3.36E-04	-1.48E-04
2.54E+02	-1.26E-03	-2.91E-04	-8.96E-05
2.54E+02	-1.30E-03	-2.68E-04	-5.80E-05
2.54E+02	-1.30E-03	-2.80E-04	-6.29E-05
2.54E+02	-1.24E-03	-2.91E-04	-4.25E-05

2.54E+02	-1.14E-03	-3.19E-04	1.60E-05
2.54E+02	-1.04E-03	-3.61E-04	5.23E-05
2.54E+02	-9.20E-04	-3.28E-04	1.21E-04
2.54E+02	-7.88E-04	-2.46E-04	1.44E-04
2.54E+02	-6.44E-04	-1.75E-04	8.77E-06
2.54E+02	-5.25E-04	-9.23E-05	-1.51E-04
2.54E+02	-4.35E-04	4.96E-06	-2.36E-04
2.54E+02	-2.90E-04	1.36E-04	-2.29E-04
2.54E+02	-1.81E-04	2.79E-04	-1.40E-04
2.54E+02	-1.53E-04	3.85E-04	-1.08E-04
2.54E+02	-1.27E-04	4.95E-04	-1.43E-04
2.54E+02	-1.29E-04	6.17E-04	-1.66E-04
2.54E+02	-1.35E-04	7.38E-04	-1.83E-04
2.54E+02	-1.84E-04	8.48E-04	-1.79E-04
2.54E+02	-2.74E-04	9.35E-04	-1.51E-04
2.54E+02	-2.88E-04	1.04E-03	-1.10E-04
2.54E+02	-2.97E-04	1.12E-03	-8.03E-05
2.54E+02	-3.22E-04	1.09E-03	-1.37E-04
2.54E+02	-3.20E-04	9.63E-04	-2.07E-04
2.54E+02	-3.20E-04	7.85E-04	-2.03E-04
2.54E+02	-2.73E-04	5.60E-04	-2.33E-04
2.54E+02	-2.15E-04	3.24E-04	-2.49E-04
2.54E+02	-1.61E-04	1.36E-04	-1.38E-04
2.54E+02	5.91E-06	1.41E-05	2.25E-05
2.54E+02	2.36E-04	-7.51E-05	1.95E-04
2.54E+02	4.46E-04	-1.87E-04	2.74E-04
2.54E+02	7.02E-04	-2.88E-04	2.54E-04
2.54E+02	9.89E-04	-3.57E-04	2.21E-04
2.54E+02	1.24E-03	-4.41E-04	1.10E-04
2.54E+02	1.40E-03	-5.08E-04	-1.62E-05
2.54E+02	1.44E-03	-5.72E-04	-1.57E-04
2.54E+02	1.43E-03	-6.32E-04	-3.40E-04
2.54E+02	1.36E-03	-6.28E-04	-4.54E-04
2.54E+02	1.19E-03	-6.02E-04	-5.49E-04
2.54E+02	1.00E-03	-5.49E-04	-5.98E-04
2.54E+02	8.38E-04	-4.21E-04	-4.92E-04
2.54E+02	7.02E-04	-2.68E-04	-3.56E-04
2.54E+02	6.05E-04	-1.19E-04	-2.47E-04
2.54E+02	5.23E-04	2.48E-05	-1.01E-04
2.54E+02	5.04E-04	1.69E-04	7.04E-05
2.54E+02	5.25E-04	3.23E-04	2.19E-04
2.54E+02	5.05E-04	4.18E-04	2.31E-04
2.54E+02	4.69E-04	4.52E-04	1.51E-04
2.54E+02	4.20E-04	4.69E-04	1.00E-04
2.54E+02	3.44E-04	4.31E-04	-4.01E-06
2.54E+02	2.26E-04	3.57E-04	-1.18E-04
2.54E+02	3.47E-05	3.04E-04	-1.16E-04

2.54E+02	-1.62E-04	2.67E-04	-6.54E-05
2.54E+02	-3.41E-04	2.71E-04	1.14E-05
2.54E+02	-5.45E-04	3.05E-04	5.87E-05
2.54E+02	-7.43E-04	3.05E-04	-1.70E-05
2.54E+02	-9.00E-04	2.77E-04	-7.51E-05
2.54E+02	-9.89E-04	2.06E-04	-1.22E-04
2.54E+02	-1.02E-03	8.85E-05	-2.04E-04
2.54E+02	-1.05E-03	-2.50E-05	-1.94E-04
2.54E+02	-1.03E-03	-1.09E-04	-1.12E-04
2.54E+02	-9.28E-04	-1.42E-04	5.49E-05
2.54E+02	-8.36E-04	-1.87E-04	2.13E-04
2.54E+02	-7.45E-04	-2.52E-04	2.44E-04
2.54E+02	-6.17E-04	-2.48E-04	2.69E-04
2.54E+02	-4.68E-04	-1.96E-04	2.85E-04
2.54E+02	-3.30E-04	-1.22E-04	2.50E-04
2.54E+02	-2.49E-04	-1.79E-05	2.19E-04
2.54E+02	-1.64E-04	9.99E-05	1.97E-04
2.54E+02	-5.07E-05	2.23E-04	2.08E-04
2.54E+02	1.16E-05	3.12E-04	2.09E-04
2.54E+02	3.49E-05	3.64E-04	1.45E-04
2.54E+02	6.31E-05	4.32E-04	1.03E-04
2.54E+02	1.11E-04	5.16E-04	2.63E-05
2.54E+02	1.72E-04	5.87E-04	-1.39E-04
2.54E+02	2.16E-04	6.68E-04	-2.19E-04
2.54E+02	3.07E-04	7.87E-04	-1.88E-04
2.54E+02	4.69E-04	9.41E-04	-7.80E-05
2.54E+02	6.16E-04	1.06E-03	6.33E-05
2.54E+02	7.37E-04	1.08E-03	1.41E-04
2.54E+02	8.38E-04	1.01E-03	2.34E-04
2.54E+02	8.79E-04	8.68E-04	2.89E-04
2.54E+02	8.41E-04	6.69E-04	2.40E-04
2.54E+02	6.92E-04	4.86E-04	2.15E-04
2.54E+02	4.91E-04	3.54E-04	1.71E-04
2.54E+02	3.25E-04	2.99E-04	9.37E-05
2.54E+02	1.56E-04	2.95E-04	4.86E-05
2.54E+02	-1.16E-05	2.82E-04	-2.59E-05
2.54E+02	-1.10E-04	2.65E-04	-4.33E-05
2.54E+02	-1.51E-04	2.16E-04	5.34E-06
2.54E+02	-1.66E-04	1.03E-04	-4.69E-05
2.54E+02	-1.75E-04	-3.40E-05	-1.33E-04
2.54E+02	-1.62E-04	-1.49E-04	-2.04E-04
2.54E+02	-7.61E-05	-2.11E-04	-2.24E-04
2.54E+02	2.98E-05	-2.39E-04	-1.26E-04
2.54E+02	1.17E-04	-2.65E-04	-3.41E-05
2.54E+02	2.24E-04	-2.53E-04	5.21E-05
2.54E+02	3.06E-04	-2.27E-04	1.39E-04
2.54E+02	3.71E-04	-2.35E-04	1.59E-04

2.54E+02	4.15E-04	-2.56E-04	1.64E-04
2.54E+02	4.17E-04	-3.00E-04	9.40E-05
2.54E+02	4.71E-04	-3.11E-04	-4.67E-05
2.54E+02	5.25E-04	-2.40E-04	-1.81E-04
2.54E+02	5.36E-04	-1.56E-04	-3.47E-04
2.54E+02	5.73E-04	-3.81E-05	-4.57E-04
2.54E+02	6.13E-04	1.21E-04	-4.58E-04
2.54E+02	6.65E-04	2.45E-04	-4.85E-04
2.54E+02	7.02E-04	3.46E-04	-5.17E-04
2.54E+02	7.08E-04	4.10E-04	-4.98E-04
2.54E+02	7.82E-04	4.33E-04	-4.44E-04
2.54E+02	8.60E-04	4.40E-04	-3.26E-04
2.54E+02	8.92E-04	3.70E-04	-1.93E-04
2.54E+02	9.18E-04	2.63E-04	-2.31E-05
2.54E+02	8.99E-04	1.91E-04	2.11E-04
2.54E+02	8.63E-04	1.62E-04	3.64E-04
2.54E+02	7.90E-04	1.86E-04	3.97E-04
2.54E+02	6.82E-04	2.43E-04	3.63E-04
2.54E+02	6.63E-04	3.07E-04	3.00E-04
2.54E+02	6.80E-04	3.36E-04	2.68E-04
2.54E+02	6.78E-04	2.80E-04	2.02E-04
2.54E+02	7.04E-04	1.69E-04	1.32E-04
2.54E+02	7.36E-04	4.33E-05	1.73E-04
2.54E+02	7.80E-04	-1.15E-04	2.29E-04
2.54E+02	8.16E-04	-2.99E-04	2.86E-04
2.54E+02	7.93E-04	-4.80E-04	3.49E-04
2.54E+02	7.81E-04	-6.21E-04	3.57E-04
2.54E+02	7.59E-04	-6.99E-04	3.48E-04
2.54E+02	6.41E-04	-7.67E-04	2.51E-04
2.54E+02	4.96E-04	-8.17E-04	1.42E-04
2.54E+02	3.55E-04	-7.92E-04	1.41E-04
2.54E+02	1.99E-04	-7.29E-04	1.24E-04
2.54E+02	1.68E-05	-6.35E-04	1.26E-04
2.54E+02	-1.90E-04	-4.94E-04	2.00E-04
2.54E+02	-3.12E-04	-3.17E-04	2.63E-04
2.54E+02	-3.71E-04	-9.73E-05	3.32E-04
2.54E+02	-4.26E-04	1.25E-04	3.55E-04
2.54E+02	-4.21E-04	3.40E-04	2.87E-04
2.54E+02	-3.95E-04	5.35E-04	1.94E-04
2.54E+02	-3.62E-04	6.73E-04	3.30E-05
2.54E+02	-3.11E-04	7.74E-04	-1.62E-04
2.54E+02	-3.15E-04	8.21E-04	-3.00E-04
2.54E+02	-2.99E-04	8.12E-04	-3.99E-04
2.54E+02	-2.37E-04	7.95E-04	-4.10E-04
2.54E+02	-2.25E-04	7.22E-04	-3.99E-04
2.54E+02	-2.18E-04	5.91E-04	-4.16E-04
2.54E+02	-1.93E-04	4.71E-04	-3.43E-04

2.54E+02	-1.58E-04	3.50E-04	-2.37E-04
2.54E+02	-9.90E-05	2.37E-04	-1.51E-04
2.54E+02	-6.24E-05	1.71E-04	-5.17E-05
2.54E+02	2.00E-05	1.53E-04	1.66E-05
2.54E+02	1.65E-04	1.81E-04	6.85E-05
2.54E+02	2.71E-04	2.02E-04	8.45E-05
2.54E+02	3.44E-04	1.90E-04	3.87E-05
2.54E+02	4.17E-04	1.83E-04	4.33E-05
2.54E+02	4.87E-04	1.50E-04	6.56E-05
2.54E+02	4.95E-04	3.57E-05	-3.24E-06
2.54E+02	4.16E-04	-1.41E-04	-8.96E-05
2.54E+02	3.40E-04	-3.29E-04	-1.43E-04
2.54E+02	3.11E-04	-4.89E-04	-1.09E-04
2.54E+02	2.87E-04	-6.21E-04	-3.24E-05
2.54E+02	3.06E-04	-7.26E-04	-6.29E-06
2.54E+02	3.94E-04	-7.51E-04	9.75E-05
2.54E+02	5.00E-04	-7.12E-04	2.21E-04
2.54E+02	5.81E-04	-6.59E-04	2.55E-04
2.54E+02	5.83E-04	-5.73E-04	2.81E-04
2.54E+02	5.45E-04	-4.76E-04	2.62E-04
2.54E+02	5.23E-04	-3.71E-04	2.49E-04
2.54E+02	4.49E-04	-2.66E-04	2.82E-04
2.54E+02	3.45E-04	-2.24E-04	2.65E-04
2.54E+02	2.79E-04	-1.84E-04	2.92E-04
2.54E+02	2.59E-04	-1.46E-04	3.78E-04
2.54E+02	2.88E-04	-1.72E-04	4.20E-04
2.54E+02	3.10E-04	-2.29E-04	4.40E-04
2.54E+02	3.40E-04	-2.98E-04	4.09E-04
2.54E+02	4.03E-04	-3.20E-04	3.66E-04
2.54E+02	4.07E-04	-3.19E-04	2.97E-04
2.54E+02	3.59E-04	-3.46E-04	1.23E-04
2.54E+02	3.10E-04	-3.15E-04	-1.34E-06
2.54E+02	2.55E-04	-2.35E-04	-7.19E-05
2.54E+02	2.02E-04	-1.47E-04	-1.87E-04
2.54E+02	1.24E-04	-6.03E-05	-2.52E-04
2.54E+02	6.69E-05	-1.34E-05	-2.63E-04
2.54E+02	7.00E-05	2.02E-05	-2.25E-04
2.54E+02	3.51E-05	3.87E-05	-1.33E-04
2.54E+02	-4.67E-05	-1.14E-06	-8.68E-05
2.54E+02	-1.40E-04	-7.48E-05	-4.01E-05
2.54E+02	-2.33E-04	-1.73E-04	5.72E-06
2.54E+02	-3.02E-04	-2.98E-04	-4.79E-05
2.54E+02	-3.84E-04	-4.02E-04	-1.03E-04
2.54E+02	-4.22E-04	-4.45E-04	-1.05E-04
2.54E+02	-3.57E-04	-4.00E-04	-4.44E-05
2.54E+02	-2.66E-04	-2.94E-04	6.69E-05
2.54E+02	-1.78E-04	-2.24E-04	7.19E-05

2.54E+02	-7.11E-05	-1.76E-04	4.94E-05
2.54E+02	5.30E-05	-1.36E-04	1.08E-04
2.54E+02	1.74E-04	-1.44E-04	1.40E-04
2.55E+02	2.67E-04	-1.57E-04	1.54E-04
2.55E+02	3.61E-04	-1.49E-04	1.21E-04
2.55E+02	5.05E-04	-8.87E-05	5.72E-05
2.55E+02	6.29E-04	2.78E-05	5.59E-05
2.55E+02	6.90E-04	1.35E-04	2.14E-05
2.55E+02	7.24E-04	2.44E-04	-2.29E-05
2.55E+02	7.15E-04	3.37E-04	-6.10E-06
2.55E+02	6.77E-04	3.58E-04	-4.88E-05
2.55E+02	5.86E-04	3.07E-04	-1.12E-04
2.55E+02	4.43E-04	2.06E-04	-1.12E-04
2.55E+02	3.55E-04	1.20E-04	-7.42E-05
2.55E+02	2.90E-04	5.97E-05	8.58E-06
2.55E+02	2.17E-04	-7.63E-06	5.66E-05
2.55E+02	2.08E-04	-2.94E-05	9.21E-05
2.55E+02	2.49E-04	5.53E-06	1.38E-04
2.55E+02	3.12E-04	5.11E-05	8.13E-05
2.55E+02	3.54E-04	9.78E-05	-1.95E-05
2.55E+02	3.42E-04	1.37E-04	-1.30E-04
2.55E+02	3.51E-04	2.01E-04	-2.33E-04
2.55E+02	3.23E-04	2.79E-04	-2.74E-04
2.55E+02	2.03E-04	3.35E-04	-3.11E-04
2.55E+02	9.54E-05	3.92E-04	-3.02E-04
2.55E+02	-4.01E-06	4.35E-04	-2.15E-04
2.55E+02	-7.65E-05	4.45E-04	-1.43E-04
2.55E+02	-1.20E-04	4.31E-04	-8.05E-05
2.55E+02	-1.72E-04	4.19E-04	-1.58E-05
2.55E+02	-1.50E-04	4.65E-04	1.83E-05
2.55E+02	-1.09E-04	5.77E-04	7.08E-05
2.55E+02	-1.21E-04	6.82E-04	1.07E-04
2.55E+02	-1.34E-04	7.50E-04	1.07E-04
2.55E+02	-1.79E-04	7.97E-04	1.57E-04
2.55E+02	-2.63E-04	7.84E-04	1.71E-04
2.55E+02	-4.02E-04	6.98E-04	8.95E-05
2.55E+02	-6.00E-04	5.83E-04	4.96E-06
2.55E+02	-7.35E-04	4.70E-04	-3.85E-05
2.55E+02	-7.98E-04	3.74E-04	-1.47E-05
2.55E+02	-8.47E-04	2.68E-04	-1.68E-05
2.55E+02	-8.28E-04	1.63E-04	-5.02E-05
2.55E+02	-7.25E-04	1.00E-04	2.04E-05
2.55E+02	-5.50E-04	3.15E-05	4.81E-05
2.55E+02	-3.43E-04	-3.97E-05	-3.03E-05
2.55E+02	-1.75E-04	-7.27E-05	-7.55E-05
2.55E+02	-1.41E-05	-5.46E-05	-1.15E-04
2.55E+02	1.26E-04	-9.54E-07	-1.49E-04

2.55E+02	1.52E-04	-2.86E-06	-1.79E-04
2.55E+02	1.11E-04	-6.69E-05	-2.05E-04
2.55E+02	3.17E-05	-1.47E-04	-1.27E-04
2.55E+02	-9.29E-05	-2.56E-04	-1.66E-05
2.55E+02	-2.45E-04	-3.59E-04	6.92E-05
2.55E+02	-4.42E-04	-4.16E-04	1.67E-04
2.55E+02	-5.77E-04	-3.93E-04	2.37E-04
2.55E+02	-5.99E-04	-2.96E-04	3.35E-04
2.55E+02	-5.84E-04	-2.09E-04	4.31E-04
2.55E+02	-4.96E-04	-1.60E-04	4.37E-04
2.55E+02	-3.20E-04	-1.36E-04	4.33E-04
2.55E+02	-9.08E-05	-1.53E-04	3.52E-04
2.55E+02	1.48E-04	-2.04E-04	1.46E-04
2.55E+02	3.28E-04	-2.85E-04	-5.66E-05
2.55E+02	4.87E-04	-3.72E-04	-2.21E-04
2.55E+02	6.30E-04	-4.09E-04	-2.67E-04
2.55E+02	6.86E-04	-4.30E-04	-2.34E-04
2.55E+02	6.77E-04	-4.72E-04	-2.28E-04
2.55E+02	6.46E-04	-4.71E-04	-1.21E-04
2.55E+02	5.99E-04	-4.41E-04	3.17E-05
2.55E+02	5.49E-04	-3.95E-04	8.49E-05
2.55E+02	4.92E-04	-3.13E-04	7.13E-05
2.55E+02	4.67E-04	-2.01E-04	1.24E-05
2.55E+02	5.23E-04	-3.24E-05	-2.82E-05
2.55E+02	5.64E-04	1.27E-04	-5.80E-05
2.55E+02	5.62E-04	2.48E-04	-9.48E-05
2.55E+02	5.56E-04	3.64E-04	-2.92E-05
2.55E+02	4.91E-04	4.17E-04	7.82E-05
2.55E+02	3.78E-04	4.16E-04	1.14E-04
2.55E+02	2.01E-04	3.84E-04	9.46E-05
2.55E+02	-3.43E-06	3.43E-04	-2.86E-06
2.55E+02	-1.44E-04	3.40E-04	-1.41E-04
2.55E+02	-2.89E-04	3.41E-04	-2.71E-04
2.55E+02	-4.14E-04	3.32E-04	-3.74E-04
2.55E+02	-4.65E-04	3.44E-04	-3.24E-04
2.55E+02	-4.76E-04	3.62E-04	-1.88E-04
2.55E+02	-4.40E-04	3.48E-04	-1.19E-04
2.55E+02	-4.07E-04	2.94E-04	-8.45E-05
2.55E+02	-3.59E-04	2.14E-04	-9.19E-05
2.55E+02	-2.49E-04	1.57E-04	-1.12E-04
2.55E+02	-1.66E-04	1.19E-04	-9.14E-05
2.55E+02	-1.38E-04	6.10E-05	-8.77E-05
2.55E+02	-1.34E-04	2.71E-05	-4.63E-05
2.55E+02	-1.58E-04	1.03E-05	1.98E-05
2.55E+02	-1.95E-04	-4.27E-05	-9.16E-06
2.55E+02	-2.81E-04	-1.13E-04	-4.48E-05
2.55E+02	-4.01E-04	-2.02E-04	-5.38E-05

2.55E+02	-4.47E-04	-2.77E-04	-3.62E-05
2.55E+02	-4.51E-04	-3.03E-04	6.73E-05
2.55E+02	-4.59E-04	-3.40E-04	1.57E-04
2.55E+02	-4.09E-04	-3.60E-04	2.61E-04
2.55E+02	-3.05E-04	-3.39E-04	4.07E-04
2.55E+02	-1.76E-04	-3.24E-04	4.53E-04
2.55E+02	-5.44E-05	-3.08E-04	3.94E-04
2.55E+02	5.28E-05	-2.74E-04	2.73E-04
2.55E+02	2.25E-04	-1.99E-04	1.51E-04
2.55E+02	3.93E-04	-9.44E-05	9.52E-05
2.55E+02	4.94E-04	-1.60E-05	6.41E-05
2.55E+02	5.76E-04	3.74E-05	7.23E-05
2.55E+02	6.02E-04	5.95E-05	1.23E-04
2.55E+02	5.65E-04	3.43E-06	8.64E-05
2.55E+02	4.73E-04	-1.20E-04	-1.60E-05
2.55E+02	3.22E-04	-2.55E-04	-1.03E-04
2.55E+02	2.06E-04	-3.55E-04	-1.78E-04
2.55E+02	1.16E-04	-4.07E-04	-1.95E-04
2.55E+02	2.80E-05	-4.56E-04	-1.98E-04
2.55E+02	-9.54E-07	-4.88E-04	-1.78E-04
2.55E+02	1.58E-05	-4.86E-04	-7.71E-05
2.55E+02	5.68E-05	-4.92E-04	3.09E-05
2.55E+02	6.92E-05	-5.09E-04	1.24E-04
2.55E+02	2.25E-05	-5.25E-04	2.03E-04
2.55E+02	-3.05E-06	-4.98E-04	2.83E-04
2.55E+02	-2.50E-05	-4.15E-04	4.04E-04
2.55E+02	-8.83E-05	-3.42E-04	5.03E-04
2.55E+02	-1.40E-04	-2.81E-04	5.97E-04
2.55E+02	-1.55E-04	-2.36E-04	7.42E-04
2.55E+02	-1.07E-04	-2.38E-04	7.98E-04
2.55E+02	-3.13E-05	-2.68E-04	6.97E-04
2.55E+02	4.44E-05	-2.89E-04	5.27E-04
2.55E+02	2.05E-04	-2.55E-04	3.01E-04
2.55E+02	3.78E-04	-1.68E-04	4.54E-05
2.55E+02	4.63E-04	-7.63E-05	-2.19E-04
2.55E+02	5.22E-04	4.12E-05	-4.37E-04
2.55E+02	5.41E-04	2.06E-04	-5.06E-04
2.55E+02	4.87E-04	3.70E-04	-4.67E-04
2.55E+02	3.68E-04	5.20E-04	-3.89E-04
2.55E+02	1.89E-04	6.72E-04	-3.05E-04
2.55E+02	5.05E-05	8.38E-04	-2.21E-04
2.55E+02	-2.80E-05	1.02E-03	-6.96E-05
2.55E+02	-9.80E-05	1.15E-03	5.82E-05
2.55E+02	-1.03E-04	1.22E-03	8.09E-05
2.55E+02	-4.33E-05	1.30E-03	1.70E-04
2.55E+02	4.52E-05	1.31E-03	2.81E-04
2.55E+02	1.34E-04	1.21E-03	2.66E-04

2.55E+02	1.68E-04	1.04E-03	2.36E-04
2.55E+02	1.80E-04	8.65E-04	2.09E-04
2.55E+02	1.72E-04	7.47E-04	2.07E-04
2.55E+02	9.59E-05	6.57E-04	2.04E-04
2.55E+02	-2.19E-05	5.55E-04	1.28E-04
2.55E+02	-1.52E-04	4.96E-04	1.01E-04
2.55E+02	-2.64E-04	4.48E-04	7.31E-05
2.55E+02	-3.37E-04	3.90E-04	-1.51E-05
2.55E+02	-4.05E-04	3.44E-04	-7.10E-05
2.55E+02	-4.03E-04	2.94E-04	-1.30E-04
2.55E+02	-3.04E-04	2.43E-04	-1.93E-04
2.55E+02	-2.02E-04	1.68E-04	-2.22E-04
2.55E+02	-9.69E-05	5.30E-05	-1.98E-04
2.55E+02	2.42E-05	-6.01E-05	-7.06E-05
2.55E+02	1.49E-04	-1.79E-04	1.01E-04
2.55E+02	2.77E-04	-2.99E-04	2.33E-04
2.55E+02	3.40E-04	-3.96E-04	3.55E-04
2.55E+02	3.81E-04	-4.35E-04	4.66E-04
2.55E+02	4.71E-04	-3.80E-04	5.58E-04
2.55E+02	5.19E-04	-3.00E-04	6.14E-04
2.55E+02	5.37E-04	-2.10E-04	5.95E-04
2.55E+02	5.61E-04	-7.99E-05	5.43E-04
2.55E+02	5.89E-04	7.95E-05	4.73E-04
2.55E+02	6.36E-04	2.67E-04	3.80E-04
2.55E+02	6.27E-04	4.37E-04	2.96E-04
2.55E+02	6.06E-04	5.80E-04	2.13E-04
2.55E+02	6.13E-04	7.16E-04	1.62E-04
2.55E+02	5.59E-04	8.06E-04	1.29E-04
2.55E+02	4.61E-04	8.10E-04	3.93E-05
2.55E+02	3.54E-04	7.59E-04	-1.53E-06
2.55E+02	2.44E-04	6.86E-04	3.87E-05
2.55E+02	1.56E-04	5.83E-04	2.77E-05
2.55E+02	4.81E-05	4.90E-04	1.30E-05
2.55E+02	-4.44E-05	4.43E-04	2.71E-05
2.55E+02	-6.43E-05	4.66E-04	5.07E-05
2.55E+02	-7.63E-05	5.24E-04	9.25E-05
2.55E+02	-9.61E-05	5.45E-04	1.09E-04
2.55E+02	-9.69E-05	5.49E-04	1.77E-04
2.55E+02	-8.22E-05	5.29E-04	2.84E-04
2.55E+02	-7.84E-05	4.57E-04	2.95E-04
2.55E+02	-1.06E-04	3.84E-04	2.82E-04
2.55E+02	-9.86E-05	3.25E-04	2.96E-04
2.55E+02	-1.47E-05	2.80E-04	3.35E-04
2.55E+02	8.72E-05	2.48E-04	3.76E-04
2.55E+02	1.88E-04	1.83E-04	3.00E-04
2.55E+02	3.09E-04	8.89E-05	1.67E-04
2.55E+02	4.21E-04	-9.54E-06	8.95E-05

2.55E+02	5.01E-04	-1.18E-04	2.14E-05
2.55E+02	4.95E-04	-1.99E-04	-7.25E-06
2.55E+02	4.00E-04	-2.33E-04	2.29E-05
2.55E+02	3.07E-04	-2.44E-04	5.80E-05
2.55E+02	1.77E-04	-2.57E-04	6.66E-05
2.55E+02	8.01E-06	-3.07E-04	-1.75E-05
2.55E+02	-1.19E-04	-3.50E-04	-9.65E-05
2.55E+02	-1.99E-04	-3.35E-04	-5.42E-05
2.55E+02	-2.22E-04	-3.10E-04	2.75E-05
2.55E+02	-2.41E-04	-2.76E-04	1.61E-04
2.55E+02	-2.77E-04	-2.28E-04	3.27E-04
2.55E+02	-2.66E-04	-1.77E-04	4.59E-04
2.55E+02	-2.77E-04	-1.26E-04	5.78E-04
2.55E+02	-3.31E-04	-1.26E-04	6.09E-04
2.55E+02	-3.55E-04	-1.26E-04	6.07E-04
2.56E+02	-3.47E-04	-8.32E-05	6.33E-04
2.56E+02	-2.85E-04	-5.21E-05	5.44E-04
2.56E+02	-2.14E-04	-3.17E-05	3.75E-04
2.56E+02	-1.82E-04	-3.72E-05	1.85E-04
2.56E+02	-1.04E-04	-5.25E-05	-2.12E-05
2.56E+02	-1.14E-05	-5.72E-05	-1.57E-04
2.56E+02	3.97E-05	-1.12E-04	-3.13E-04
2.56E+02	9.82E-05	-2.03E-04	-4.86E-04
2.56E+02	1.67E-04	-2.99E-04	-5.47E-04
2.56E+02	2.48E-04	-4.10E-04	-5.48E-04
2.56E+02	3.03E-04	-5.08E-04	-4.67E-04
2.56E+02	3.25E-04	-5.99E-04	-3.08E-04
2.56E+02	3.77E-04	-6.65E-04	-1.61E-04
2.56E+02	4.24E-04	-6.70E-04	-2.06E-05
2.56E+02	4.35E-04	-6.51E-04	4.77E-05
2.56E+02	4.34E-04	-5.94E-04	4.69E-05
2.56E+02	4.18E-04	-4.85E-04	9.94E-05
2.56E+02	3.81E-04	-3.77E-04	1.34E-04
2.56E+02	2.78E-04	-2.68E-04	1.38E-04
2.56E+02	1.19E-04	-1.63E-04	1.81E-04
2.56E+02	-1.41E-05	-4.35E-05	2.44E-04
2.56E+02	-1.09E-04	9.86E-05	3.47E-04
2.56E+02	-2.06E-04	1.84E-04	3.68E-04
2.56E+02	-2.71E-04	2.53E-04	2.85E-04
2.56E+02	-2.65E-04	3.61E-04	2.23E-04
2.56E+02	-2.12E-04	4.64E-04	1.12E-04
2.56E+02	-1.52E-04	5.66E-04	-5.15E-06
2.56E+02	-1.39E-04	6.14E-04	-6.29E-05
2.56E+02	-1.24E-04	5.94E-04	-1.17E-04
2.56E+02	-8.91E-05	5.59E-04	-1.21E-04
2.56E+02	-1.36E-04	4.72E-04	-1.37E-04
2.56E+02	-2.05E-04	3.74E-04	-2.00E-04

2.56E+02	-2.37E-04	3.37E-04	-1.72E-04
2.56E+02	-2.53E-04	3.33E-04	-9.71E-05
2.56E+02	-2.34E-04	3.56E-04	-3.97E-05
2.56E+02	-2.20E-04	3.95E-04	3.72E-05
2.56E+02	-1.72E-04	4.25E-04	9.77E-05
2.56E+02	-6.03E-05	4.50E-04	1.91E-04
2.56E+02	2.96E-05	4.27E-04	2.87E-04
2.56E+02	1.06E-04	3.54E-04	2.97E-04
2.56E+02	1.92E-04	3.05E-04	3.24E-04
2.56E+02	2.70E-04	2.71E-04	3.36E-04
2.56E+02	3.38E-04	2.44E-04	3.39E-04
2.56E+02	3.47E-04	2.21E-04	4.12E-04
2.56E+02	3.50E-04	1.91E-04	4.37E-04
2.56E+02	4.11E-04	1.96E-04	4.35E-04
2.56E+02	4.29E-04	1.86E-04	4.10E-04
2.56E+02	4.18E-04	1.42E-04	2.94E-04
2.56E+02	4.40E-04	1.29E-04	2.11E-04
2.56E+02	4.63E-04	1.03E-04	1.43E-04
2.56E+02	4.65E-04	2.86E-05	-1.41E-05
2.56E+02	3.78E-04	-7.72E-05	-2.05E-04
2.56E+02	2.54E-04	-1.84E-04	-3.80E-04
2.56E+02	1.71E-04	-2.28E-04	-4.64E-04
2.56E+02	5.84E-05	-2.35E-04	-4.49E-04
2.56E+02	-6.96E-05	-2.49E-04	-4.15E-04
2.56E+02	-1.85E-04	-2.29E-04	-3.08E-04
2.56E+02	-2.94E-04	-1.76E-04	-1.96E-04
2.56E+02	-3.89E-04	-1.16E-04	-1.88E-04
2.56E+02	-5.08E-04	-4.75E-05	-1.76E-04
2.56E+02	-6.01E-04	2.48E-06	-1.74E-04
2.56E+02	-6.34E-04	5.40E-05	-1.88E-04
2.56E+02	-6.81E-04	1.04E-04	-1.60E-04
2.56E+02	-7.27E-04	1.18E-04	-1.24E-04
2.56E+02	-7.54E-04	1.45E-04	1.07E-05
2.56E+02	-7.78E-04	1.68E-04	1.95E-04
2.56E+02	-7.96E-04	1.51E-04	2.74E-04
2.56E+02	-8.70E-04	1.34E-04	3.02E-04
2.56E+02	-9.75E-04	1.06E-04	2.74E-04
2.56E+02	-1.03E-03	9.80E-05	2.05E-04
2.56E+02	-1.07E-03	1.09E-04	1.41E-04
2.56E+02	-1.08E-03	8.47E-05	2.35E-05
2.56E+02	-1.03E-03	7.80E-05	-6.48E-05
2.56E+02	-9.42E-04	8.20E-05	-1.05E-04
2.56E+02	-8.26E-04	7.80E-05	-1.89E-04
2.56E+02	-7.26E-04	9.73E-05	-2.76E-04
2.56E+02	-6.36E-04	1.21E-04	-3.37E-04
2.56E+02	-4.94E-04	1.67E-04	-3.18E-04
2.56E+02	-3.68E-04	2.11E-04	-2.05E-04

2.56E+02	-2.82E-04	2.19E-04	-8.85E-05
2.56E+02	-1.88E-04	2.28E-04	5.76E-05
2.56E+02	-6.79E-05	2.50E-04	2.27E-04
2.56E+02	9.65E-05	2.63E-04	2.88E-04
2.56E+02	2.45E-04	2.38E-04	2.36E-04
2.56E+02	3.63E-04	1.90E-04	1.17E-04
2.56E+02	5.23E-04	1.65E-04	-2.08E-05
2.56E+02	6.57E-04	1.45E-04	-1.30E-04
2.56E+02	7.03E-04	8.16E-05	-2.79E-04
2.56E+02	7.15E-04	3.36E-05	-3.86E-04
2.56E+02	6.67E-04	1.74E-05	-3.60E-04
2.56E+02	5.70E-04	-4.77E-06	-3.27E-04
2.56E+02	4.40E-04	1.32E-05	-3.18E-04
2.56E+02	2.65E-04	5.28E-05	-3.57E-04
2.56E+02	1.64E-04	1.24E-04	-4.29E-04
2.56E+02	1.21E-04	2.48E-04	-4.09E-04
2.56E+02	8.41E-05	3.36E-04	-3.33E-04
2.56E+02	1.38E-04	3.87E-04	-2.09E-04
2.56E+02	2.56E-04	4.16E-04	7.63E-07
2.56E+02	4.00E-04	3.80E-04	1.43E-04
2.56E+02	5.41E-04	2.81E-04	1.63E-04
2.56E+02	6.28E-04	1.56E-04	1.16E-04
2.56E+02	7.36E-04	8.26E-05	1.09E-05
2.56E+02	8.35E-04	8.11E-05	-9.06E-05
2.56E+02	8.50E-04	9.23E-05	-2.22E-04
2.56E+02	8.49E-04	1.28E-04	-3.37E-04
2.56E+02	8.05E-04	2.02E-04	-3.22E-04
2.56E+02	7.21E-04	2.61E-04	-3.11E-04
2.56E+02	6.02E-04	2.99E-04	-3.31E-04
2.56E+02	4.23E-04	3.19E-04	-3.24E-04
2.56E+02	2.90E-04	3.20E-04	-3.32E-04
2.56E+02	1.92E-04	3.31E-04	-3.10E-04
2.56E+02	7.44E-05	3.26E-04	-2.78E-04
2.56E+02	-4.52E-05	3.01E-04	-2.63E-04
2.56E+02	-1.75E-04	2.97E-04	-1.88E-04
2.56E+02	-2.88E-04	2.86E-04	-1.10E-04
2.56E+02	-4.14E-04	2.45E-04	-8.20E-05
2.56E+02	-5.84E-04	1.84E-04	-5.04E-05
2.56E+02	-7.02E-04	1.17E-04	-4.06E-05
2.56E+02	-7.60E-04	9.65E-05	-2.14E-05
2.56E+02	-8.31E-04	8.05E-05	-2.75E-05
2.56E+02	-8.67E-04	5.21E-05	-9.10E-05
2.56E+02	-8.53E-04	7.15E-05	-8.62E-05
2.56E+02	-8.13E-04	1.00E-04	-9.96E-05
2.56E+02	-7.76E-04	1.14E-04	-1.95E-04
2.56E+02	-7.97E-04	1.03E-04	-2.86E-04
2.56E+02	-8.06E-04	7.32E-05	-3.74E-04

2.56E+02	-8.00E-04	6.35E-05	-4.11E-04
2.56E+02	-8.46E-04	2.65E-05	-4.12E-04
2.56E+02	-8.96E-04	-1.96E-05	-3.51E-04
2.56E+02	-9.47E-04	-2.42E-05	-1.60E-04
2.56E+02	-9.92E-04	-2.61E-05	-9.54E-07
2.56E+02	-1.02E-03	-4.23E-05	5.07E-05
2.56E+02	-1.05E-03	-7.00E-05	8.16E-05
2.56E+02	-1.01E-03	-8.62E-05	1.03E-04
2.56E+02	-8.79E-04	-8.30E-05	1.18E-04
2.56E+02	-7.50E-04	-7.84E-05	9.73E-05
2.56E+02	-5.80E-04	-5.32E-05	3.99E-05
2.56E+02	-3.93E-04	7.25E-06	1.20E-05
2.56E+02	-2.20E-04	9.69E-05	-2.71E-05
2.56E+02	-6.73E-05	2.13E-04	-1.17E-04
2.56E+02	-9.92E-06	3.40E-04	-2.16E-04
2.56E+02	1.56E-05	4.66E-04	-3.03E-04
2.56E+02	5.23E-05	5.89E-04	-3.16E-04
2.56E+02	1.09E-05	6.48E-04	-2.95E-04
2.56E+02	-7.55E-05	6.32E-04	-3.37E-04
2.56E+02	-1.63E-04	5.78E-04	-3.49E-04
2.56E+02	-2.71E-04	4.65E-04	-3.45E-04
2.56E+02	-3.86E-04	3.16E-04	-4.20E-04
2.56E+02	-5.34E-04	1.82E-04	-4.73E-04
2.56E+02	-6.68E-04	1.05E-04	-4.53E-04
2.56E+02	-7.39E-04	1.04E-04	-3.72E-04
2.56E+02	-8.18E-04	1.07E-04	-2.78E-04
2.56E+02	-8.86E-04	4.41E-05	-2.46E-04
2.56E+02	-9.15E-04	-3.81E-05	-1.83E-04
2.56E+02	-9.04E-04	-1.33E-04	-9.82E-05
2.56E+02	-8.60E-04	-2.71E-04	-8.91E-05
2.56E+02	-8.49E-04	-4.26E-04	-7.57E-05
2.56E+02	-8.32E-04	-5.70E-04	-4.84E-05
2.56E+02	-7.67E-04	-6.77E-04	-3.80E-05
2.56E+02	-7.33E-04	-7.63E-04	-4.12E-05
2.56E+02	-7.22E-04	-8.25E-04	-8.75E-05
2.56E+02	-6.86E-04	-8.19E-04	-9.37E-05
2.56E+02	-6.19E-04	-7.70E-04	-4.98E-05
2.56E+02	-5.09E-04	-7.11E-04	-7.10E-05
2.56E+02	-4.04E-04	-6.57E-04	-1.21E-04
2.56E+02	-3.07E-04	-6.08E-04	-1.64E-04
2.56E+02	-1.66E-04	-5.29E-04	-1.64E-04
2.56E+02	-5.15E-05	-4.45E-04	-8.37E-05
2.56E+02	1.93E-05	-4.07E-04	-4.48E-05
2.56E+02	8.28E-05	-3.82E-04	-5.15E-06
2.56E+02	1.08E-04	-3.57E-04	4.96E-05
2.56E+02	1.04E-04	-3.54E-04	-2.06E-05
2.56E+02	3.41E-05	-3.38E-04	-1.36E-04

2.56E+02	-7.67E-05	-3.21E-04	-2.72E-04
2.56E+02	-1.22E-04	-3.01E-04	-4.04E-04
2.56E+02	-1.44E-04	-2.80E-04	-4.37E-04
2.56E+02	-1.56E-04	-3.31E-04	-4.53E-04
2.56E+02	-1.17E-04	-4.09E-04	-4.03E-04
2.56E+02	-3.78E-05	-4.80E-04	-2.92E-04
2.56E+02	8.34E-05	-5.67E-04	-2.62E-04
2.56E+02	1.71E-04	-6.16E-04	-2.48E-04
2.56E+02	2.16E-04	-6.00E-04	-2.12E-04
2.56E+02	3.00E-04	-5.20E-04	-1.44E-04
2.56E+02	3.15E-04	-4.12E-04	-3.09E-05
2.56E+02	2.13E-04	-3.62E-04	1.34E-05
2.56E+02	6.60E-05	-3.61E-04	4.29E-05
2.56E+02	-1.43E-04	-3.70E-04	1.03E-04
2.56E+02	-3.62E-04	-3.97E-04	8.72E-05
2.56E+02	-6.10E-04	-4.43E-04	1.30E-05
2.56E+02	-8.84E-04	-4.93E-04	-1.04E-04
2.56E+02	-1.05E-03	-5.33E-04	-2.51E-04
2.56E+02	-1.17E-03	-5.71E-04	-3.34E-04
2.56E+02	-1.28E-03	-6.40E-04	-3.64E-04
2.56E+02	-1.29E-03	-7.08E-04	-3.29E-04
2.56E+02	-1.25E-03	-7.33E-04	-1.88E-04
2.56E+02	-1.14E-03	-7.38E-04	-1.09E-04
2.56E+02	-9.85E-04	-7.09E-04	-1.07E-04
2.56E+02	-8.39E-04	-6.27E-04	-6.18E-05
2.56E+02	-6.34E-04	-5.01E-04	6.10E-06
2.56E+02	-4.36E-04	-3.45E-04	1.04E-04
2.57E+02	-3.39E-04	-2.29E-04	1.28E-04
2.57E+02	-2.94E-04	-1.50E-04	4.14E-05
2.57E+02	-2.91E-04	-5.51E-05	-1.16E-05
2.57E+02	-3.50E-04	3.53E-05	-8.49E-05
2.57E+02	-4.96E-04	1.16E-04	-1.92E-04
2.57E+02	-7.16E-04	1.97E-04	-2.39E-04
2.57E+02	-9.18E-04	2.59E-04	-2.49E-04
2.57E+02	-1.11E-03	3.02E-04	-1.82E-04
2.57E+02	-1.30E-03	3.30E-04	-8.98E-05
2.57E+02	-1.42E-03	3.55E-04	-6.54E-05
2.57E+02	-1.48E-03	4.20E-04	-2.48E-06
2.57E+02	-1.47E-03	5.12E-04	5.02E-05
2.57E+02	-1.42E-03	5.84E-04	6.22E-05
2.57E+02	-1.37E-03	6.22E-04	1.13E-04
2.57E+02	-1.25E-03	6.30E-04	1.59E-04
2.57E+02	-1.10E-03	5.91E-04	2.18E-04
2.57E+02	-9.76E-04	4.65E-04	2.16E-04
2.57E+02	-8.45E-04	2.73E-04	1.42E-04
2.57E+02	-7.05E-04	9.21E-05	1.34E-04
2.57E+02	-5.69E-04	-6.41E-05	7.82E-05

2.57E+02	-4.45E-04	-2.02E-04	-5.21E-05
2.57E+02	-3.64E-04	-2.75E-04	-1.46E-04
2.57E+02	-2.39E-04	-2.91E-04	-2.39E-04
2.57E+02	-8.22E-05	-2.64E-04	-2.94E-04
2.57E+02	2.12E-05	-2.33E-04	-3.45E-04
2.57E+02	9.04E-05	-2.55E-04	-4.34E-04
2.57E+02	1.12E-04	-2.78E-04	-4.25E-04
2.57E+02	9.82E-05	-3.22E-04	-3.49E-04
2.57E+02	7.63E-05	-4.03E-04	-2.70E-04
2.57E+02	4.96E-06	-4.57E-04	-1.48E-04
2.57E+02	-6.43E-05	-4.68E-04	-4.54E-05
2.57E+02	-8.07E-05	-3.89E-04	5.34E-05
2.57E+02	-9.84E-05	-2.57E-04	1.35E-04
2.57E+02	-9.35E-05	-1.30E-04	1.54E-04
2.57E+02	-2.02E-05	-1.53E-06	2.10E-04
2.57E+02	7.55E-05	6.87E-05	2.69E-04
2.57E+02	1.39E-04	6.22E-05	2.42E-04
2.57E+02	1.42E-04	-1.53E-06	1.50E-04
2.57E+02	1.40E-04	-9.37E-05	2.00E-05
2.57E+02	1.73E-04	-1.63E-04	-4.22E-05
2.57E+02	1.83E-04	-2.12E-04	-1.93E-05
2.57E+02	1.79E-04	-2.34E-04	-1.28E-05
2.57E+02	1.97E-04	-1.84E-04	2.50E-05
2.57E+02	2.37E-04	-7.72E-05	5.55E-05
2.57E+02	2.86E-04	1.18E-05	5.34E-06
2.57E+02	2.97E-04	6.50E-05	-2.94E-05
2.57E+02	2.98E-04	1.06E-04	-4.31E-05
2.57E+02	3.24E-04	1.50E-04	-1.34E-05
2.57E+02	2.87E-04	1.65E-04	2.59E-05
2.57E+02	1.97E-04	1.09E-04	-4.39E-06
2.57E+02	9.69E-05	3.87E-05	1.32E-05
2.57E+02	-2.86E-05	-1.81E-05	7.04E-05
2.57E+02	-1.56E-04	-8.28E-05	8.89E-05
2.57E+02	-3.37E-04	-1.21E-04	1.24E-04
2.57E+02	-5.10E-04	-1.04E-04	1.84E-04
2.57E+02	-5.68E-04	-2.52E-05	2.45E-04
2.57E+02	-6.16E-04	7.44E-05	2.91E-04
2.57E+02	-6.52E-04	1.43E-04	2.81E-04
2.57E+02	-6.22E-04	2.08E-04	2.72E-04
2.57E+02	-5.84E-04	2.70E-04	3.00E-04
2.57E+02	-5.41E-04	3.10E-04	2.75E-04
2.57E+02	-5.30E-04	3.52E-04	2.71E-04
2.57E+02	-5.54E-04	4.02E-04	3.15E-04
2.57E+02	-5.50E-04	4.69E-04	3.58E-04
2.57E+02	-5.67E-04	5.21E-04	4.02E-04
2.57E+02	-6.20E-04	5.02E-04	3.49E-04
2.57E+02	-6.63E-04	4.38E-04	2.61E-04

2.57E+02	-7.11E-04	3.49E-04	1.80E-04
2.57E+02	-7.23E-04	2.42E-04	2.92E-05
2.57E+02	-7.26E-04	1.35E-04	-1.14E-04
2.57E+02	-7.26E-04	3.05E-05	-2.24E-04
2.57E+02	-6.39E-04	-5.61E-05	-3.05E-04
2.57E+02	-5.61E-04	-1.38E-04	-3.31E-04
2.57E+02	-5.59E-04	-2.65E-04	-4.10E-04
2.57E+02	-5.66E-04	-3.81E-04	-4.77E-04
2.57E+02	-5.76E-04	-4.62E-04	-4.46E-04
2.57E+02	-5.66E-04	-5.64E-04	-4.41E-04
2.57E+02	-5.34E-04	-6.33E-04	-3.82E-04
2.57E+02	-5.00E-04	-6.73E-04	-2.22E-04
2.57E+02	-4.15E-04	-6.93E-04	-5.44E-05
2.57E+02	-3.18E-04	-6.64E-04	1.39E-04
2.57E+02	-2.66E-04	-6.57E-04	2.48E-04
2.57E+02	-2.15E-04	-6.47E-04	2.78E-04
2.57E+02	-1.59E-04	-5.88E-04	3.12E-04
2.57E+02	-1.11E-04	-5.31E-04	2.57E-04
2.57E+02	-1.09E-04	-4.71E-04	1.49E-04
2.57E+02	-1.54E-04	-4.11E-04	4.84E-05
2.57E+02	-1.72E-04	-3.56E-04	-3.95E-05
2.57E+02	-1.80E-04	-2.91E-04	-6.03E-05
2.57E+02	-2.22E-04	-2.51E-04	-7.93E-05
2.57E+02	-2.50E-04	-2.05E-04	-8.89E-05
2.57E+02	-2.43E-04	-1.28E-04	-2.37E-05
2.57E+02	-2.17E-04	-8.20E-05	-1.53E-05
2.57E+02	-2.00E-04	-6.47E-05	-7.40E-05
2.57E+02	-2.06E-04	-5.28E-05	-1.16E-04
2.57E+02	-1.65E-04	-1.34E-05	-1.32E-04
2.57E+02	-9.71E-05	7.06E-05	-7.31E-05
2.57E+02	-7.48E-05	1.20E-04	-3.85E-05
2.57E+02	-5.78E-05	1.47E-04	-4.08E-05
2.57E+02	-3.95E-05	1.77E-04	2.78E-05
2.57E+02	-2.82E-05	1.59E-04	5.51E-05
2.57E+02	-4.31E-05	1.17E-04	5.02E-05
2.57E+02	-1.15E-04	5.17E-05	7.36E-05
2.57E+02	-1.66E-04	-2.17E-05	9.57E-05
2.57E+02	-2.18E-04	-7.48E-05	1.70E-04
2.57E+02	-3.37E-04	-1.52E-04	2.10E-04
2.57E+02	-4.66E-04	-2.41E-04	1.89E-04
2.57E+02	-5.92E-04	-2.94E-04	2.22E-04
2.57E+02	-6.88E-04	-3.41E-04	2.36E-04
2.57E+02	-7.65E-04	-3.97E-04	2.12E-04
2.57E+02	-8.72E-04	-4.28E-04	2.21E-04
2.57E+02	-9.29E-04	-4.20E-04	1.94E-04
2.57E+02	-9.12E-04	-3.56E-04	1.91E-04
2.57E+02	-8.71E-04	-2.75E-04	2.27E-04

2.57E+02	-8.08E-04	-2.37E-04	2.41E-04
2.57E+02	-7.14E-04	-1.87E-04	3.42E-04
2.57E+02	-5.82E-04	-1.27E-04	4.53E-04
2.57E+02	-4.57E-04	-7.50E-05	5.02E-04
2.57E+02	-3.65E-04	4.39E-06	5.71E-04
2.57E+02	-2.34E-04	9.48E-05	6.00E-04
2.57E+02	-5.61E-05	2.18E-04	6.20E-04
2.57E+02	8.35E-05	3.49E-04	6.39E-04
2.57E+02	1.64E-04	4.31E-04	5.65E-04
2.57E+02	2.14E-04	4.96E-04	4.72E-04
2.57E+02	2.30E-04	5.30E-04	3.34E-04
2.57E+02	2.05E-04	5.07E-04	1.09E-04
2.57E+02	1.15E-04	4.32E-04	-1.03E-04
2.57E+02	6.87E-06	3.24E-04	-2.78E-04
2.57E+02	-7.13E-05	2.22E-04	-3.72E-04
2.57E+02	-1.75E-04	9.86E-05	-3.99E-04
2.57E+02	-2.66E-04	-4.39E-05	-3.89E-04
2.57E+02	-3.27E-04	-1.75E-04	-2.80E-04
2.57E+02	-3.64E-04	-3.17E-04	-1.39E-04
2.57E+02	-3.68E-04	-4.64E-04	-3.99E-05
2.57E+02	-4.15E-04	-6.03E-04	3.93E-05
2.57E+02	-4.39E-04	-7.23E-04	5.72E-05
2.57E+02	-3.96E-04	-7.79E-04	9.16E-06
2.57E+02	-3.78E-04	-7.76E-04	-8.60E-05
2.57E+02	-3.52E-04	-7.39E-04	-2.20E-04
2.57E+02	-2.93E-04	-6.33E-04	-2.05E-04
2.57E+02	-2.19E-04	-5.03E-04	-5.36E-05
2.57E+02	-1.25E-04	-4.09E-04	3.32E-05
2.57E+02	-7.46E-05	-3.47E-04	1.02E-04
2.57E+02	-3.34E-05	-3.04E-04	1.35E-04
2.57E+02	6.20E-05	-2.57E-04	1.05E-04
2.57E+02	1.40E-04	-2.14E-04	5.23E-05
2.57E+02	2.00E-04	-1.95E-04	-7.00E-05
2.57E+02	2.83E-04	-1.58E-04	-1.50E-04
2.57E+02	3.51E-04	-8.62E-05	-1.85E-04
2.57E+02	4.08E-04	-3.38E-05	-2.90E-04
2.57E+02	4.32E-04	-6.48E-06	-3.62E-04
2.57E+02	4.03E-04	5.34E-06	-3.65E-04
2.57E+02	3.91E-04	2.25E-05	-2.97E-04
2.57E+02	3.50E-04	5.95E-05	-1.75E-04
2.57E+02	2.43E-04	7.34E-05	-1.54E-04
2.57E+02	1.46E-04	1.13E-04	-1.57E-04
2.57E+02	6.03E-05	1.78E-04	-1.01E-04
2.57E+02	-2.10E-06	2.02E-04	-7.51E-05
2.57E+02	-5.13E-05	2.11E-04	-3.43E-06
2.57E+02	-8.18E-05	2.20E-04	1.04E-04
2.57E+02	-1.45E-05	2.61E-04	1.87E-04

2.57E+02	9.57E-05	3.06E-04	2.54E-04
2.57E+02	1.94E-04	2.91E-04	2.09E-04
2.57E+02	2.99E-04	2.49E-04	1.15E-04
2.57E+02	3.88E-04	1.77E-04	2.94E-05
2.57E+02	4.60E-04	6.69E-05	-1.09E-04
2.57E+02	4.70E-04	-5.78E-05	-2.09E-04
2.57E+02	4.53E-04	-1.95E-04	-2.45E-04
2.57E+02	5.18E-04	-2.99E-04	-2.14E-04
2.57E+02	5.81E-04	-4.00E-04	-1.43E-04
2.57E+02	6.13E-04	-5.38E-04	-1.52E-04
2.57E+02	6.86E-04	-6.46E-04	-1.65E-04
2.57E+02	7.60E-04	-7.23E-04	-1.56E-04
2.57E+02	8.37E-04	-8.05E-04	-2.36E-04
2.57E+02	8.62E-04	-8.77E-04	-3.37E-04
2.57E+02	8.11E-04	-9.34E-04	-3.92E-04
2.57E+02	7.73E-04	-9.52E-04	-3.98E-04
2.57E+02	7.07E-04	-9.21E-04	-3.30E-04
2.57E+02	6.09E-04	-8.81E-04	-2.82E-04
2.57E+02	5.55E-04	-8.12E-04	-2.24E-04
2.57E+02	5.40E-04	-6.98E-04	-1.05E-04
2.57E+02	5.55E-04	-5.84E-04	-8.14E-05
2.57E+02	5.62E-04	-4.82E-04	-1.38E-04
2.57E+02	5.40E-04	-3.90E-04	-2.20E-04
2.57E+02	5.57E-04	-3.14E-04	-3.41E-04
2.57E+02	5.90E-04	-2.44E-04	-4.15E-04
2.57E+02	5.71E-04	-2.10E-04	-4.69E-04
2.57E+02	5.51E-04	-2.02E-04	-4.77E-04
2.57E+02	5.63E-04	-1.85E-04	-3.53E-04
2.57E+02	6.07E-04	-1.86E-04	-2.28E-04
2.57E+02	6.54E-04	-1.98E-04	-1.45E-04
2.57E+02	6.60E-04	-1.86E-04	-6.96E-05
2.57E+02	6.77E-04	-1.36E-04	-4.65E-05
2.57E+02	6.95E-04	-5.07E-05	-6.98E-05
2.57E+02	6.66E-04	1.77E-05	-2.04E-04
2.57E+02	6.51E-04	7.61E-05	-3.96E-04
2.57E+02	6.74E-04	1.73E-04	-4.65E-04
2.57E+02	7.15E-04	2.49E-04	-4.75E-04
2.57E+02	7.29E-04	2.76E-04	-4.83E-04
2.57E+02	6.83E-04	2.67E-04	-4.51E-04
2.58E+02	6.47E-04	2.25E-04	-4.12E-04
2.58E+02	6.16E-04	1.88E-04	-3.34E-04
2.58E+02	5.19E-04	1.17E-04	-2.69E-04
2.58E+02	3.97E-04	2.16E-05	-2.78E-04
2.58E+02	2.82E-04	-2.10E-05	-2.50E-04
2.58E+02	1.86E-04	-4.39E-05	-2.39E-04
2.58E+02	1.09E-04	-7.63E-05	-2.76E-04
2.58E+02	3.26E-05	-9.52E-05	-2.58E-04

2.58E+02	1.13E-05	-8.16E-05	-2.44E-04
2.58E+02	4.52E-05	-2.80E-05	-2.48E-04
2.58E+02	6.85E-05	1.45E-05	-3.03E-04
2.58E+02	1.19E-04	2.52E-05	-4.31E-04
2.58E+02	2.10E-04	3.87E-05	-4.81E-04
2.58E+02	2.97E-04	3.95E-05	-4.79E-04
2.58E+02	3.74E-04	1.22E-05	-4.65E-04
2.58E+02	3.90E-04	-3.68E-05	-3.90E-04
2.58E+02	3.89E-04	-1.01E-04	-3.07E-04
2.58E+02	4.26E-04	-1.42E-04	-1.85E-04
2.58E+02	4.09E-04	-1.89E-04	-7.17E-05
2.58E+02	3.78E-04	-2.38E-04	-3.89E-05
2.58E+02	3.95E-04	-2.12E-04	7.06E-06
2.58E+02	4.16E-04	-1.64E-04	-7.63E-06
2.58E+02	4.47E-04	-1.05E-04	-1.12E-04
2.58E+02	4.52E-04	-2.84E-05	-1.77E-04
2.58E+02	4.64E-04	2.46E-05	-2.33E-04
2.58E+02	5.25E-04	7.32E-05	-2.61E-04
2.58E+02	5.64E-04	9.59E-05	-2.37E-04
2.58E+02	6.07E-04	7.50E-05	-2.07E-04
2.58E+02	6.86E-04	6.54E-05	-5.91E-05
2.58E+02	7.59E-04	6.52E-05	1.73E-04
2.58E+02	7.97E-04	5.00E-05	3.44E-04
2.58E+02	7.39E-04	2.50E-05	4.62E-04
2.58E+02	6.28E-04	1.91E-07	4.89E-04
2.58E+02	5.54E-04	4.01E-06	4.61E-04
2.58E+02	4.64E-04	2.44E-05	4.34E-04
2.58E+02	3.88E-04	3.81E-05	3.51E-04
2.58E+02	3.93E-04	7.13E-05	3.03E-04
2.58E+02	4.68E-04	1.18E-04	2.92E-04
2.58E+02	6.13E-04	1.45E-04	2.16E-04
2.58E+02	7.49E-04	1.63E-04	1.54E-04
2.58E+02	8.85E-04	2.04E-04	1.31E-04
2.58E+02	1.04E-03	2.64E-04	1.07E-04
2.58E+02	1.10E-03	3.17E-04	5.63E-05
2.58E+02	1.13E-03	3.44E-04	-7.50E-05
2.58E+02	1.16E-03	3.63E-04	-1.76E-04
2.58E+02	1.17E-03	3.76E-04	-1.95E-04
2.58E+02	1.17E-03	3.34E-04	-2.30E-04
2.58E+02	1.11E-03	2.61E-04	-2.40E-04
2.58E+02	1.01E-03	1.88E-04	-2.36E-04
2.58E+02	9.59E-04	1.24E-04	-2.44E-04
2.58E+02	9.02E-04	9.04E-05	-2.07E-04
2.58E+02	8.04E-04	6.01E-05	-1.68E-04
2.58E+02	7.29E-04	6.39E-05	-8.07E-05
2.58E+02	6.75E-04	1.05E-04	7.76E-05
2.58E+02	6.46E-04	1.33E-04	1.72E-04

2.58E+02	6.09E-04	1.59E-04	2.53E-04
2.58E+02	5.71E-04	1.77E-04	3.48E-04
2.58E+02	5.99E-04	1.76E-04	3.77E-04
2.58E+02	6.33E-04	1.51E-04	3.60E-04
2.58E+02	6.59E-04	6.35E-05	2.41E-04
2.58E+02	7.17E-04	-3.36E-05	9.92E-05
2.58E+02	7.78E-04	-9.61E-05	5.00E-05
2.58E+02	8.28E-04	-1.55E-04	5.91E-06
2.58E+02	8.12E-04	-2.03E-04	2.12E-05
2.58E+02	7.34E-04	-2.40E-04	1.15E-04
2.58E+02	6.85E-04	-2.65E-04	2.12E-04
2.58E+02	6.20E-04	-2.60E-04	3.21E-04
2.58E+02	5.42E-04	-2.52E-04	3.45E-04
2.58E+02	5.10E-04	-2.12E-04	2.98E-04
2.58E+02	5.19E-04	-1.12E-04	2.78E-04
2.58E+02	5.95E-04	7.44E-06	2.21E-04
2.58E+02	6.74E-04	1.14E-04	1.61E-04
2.58E+02	7.09E-04	1.91E-04	1.44E-04
2.58E+02	7.62E-04	2.40E-04	1.15E-04
2.58E+02	7.82E-04	2.56E-04	8.54E-05
2.58E+02	7.23E-04	2.15E-04	-3.81E-07
2.58E+02	6.53E-04	1.54E-04	-9.54E-05
2.58E+02	5.93E-04	1.02E-04	-9.06E-05
2.58E+02	5.51E-04	4.56E-05	-8.35E-05
2.58E+02	5.01E-04	4.20E-06	-6.54E-05
2.58E+02	4.13E-04	-2.04E-05	-2.21E-05
2.58E+02	3.85E-04	-2.12E-05	-8.39E-06
2.58E+02	3.91E-04	-1.53E-06	2.21E-05
2.58E+02	3.74E-04	1.35E-05	4.27E-05
2.58E+02	4.02E-04	5.02E-05	1.01E-04
2.58E+02	4.38E-04	9.82E-05	2.33E-04
2.58E+02	4.98E-04	1.50E-04	3.36E-04
2.58E+02	5.66E-04	2.23E-04	4.43E-04
2.58E+02	5.68E-04	2.89E-04	6.00E-04
2.58E+02	5.93E-04	3.50E-04	7.60E-04
2.58E+02	6.29E-04	4.01E-04	9.06E-04
2.58E+02	6.23E-04	3.94E-04	9.44E-04
2.58E+02	6.29E-04	3.23E-04	8.78E-04
2.58E+02	6.51E-04	2.27E-04	8.38E-04
2.58E+02	6.92E-04	1.21E-04	7.73E-04
2.58E+02	7.25E-04	2.23E-05	6.52E-04
2.58E+02	7.10E-04	-4.60E-05	5.07E-04
2.58E+02	7.21E-04	-5.91E-05	3.15E-04
2.58E+02	7.63E-04	4.96E-06	1.75E-04
2.58E+02	7.56E-04	8.87E-05	8.03E-05
2.58E+02	7.39E-04	1.81E-04	1.43E-05
2.58E+02	7.43E-04	3.15E-04	8.11E-05

2.58E+02	7.57E-04	4.38E-04	1.44E-04
2.58E+02	7.78E-04	5.35E-04	1.52E-04
2.58E+02	7.45E-04	6.08E-04	1.99E-04
2.58E+02	7.02E-04	6.42E-04	2.52E-04
2.58E+02	7.01E-04	6.47E-04	3.25E-04
2.58E+02	6.50E-04	5.83E-04	3.47E-04
2.58E+02	5.99E-04	4.56E-04	3.09E-04
2.58E+02	5.89E-04	3.31E-04	3.65E-04
2.58E+02	5.91E-04	2.07E-04	4.76E-04
2.58E+02	6.22E-04	7.06E-05	5.77E-04
2.58E+02	6.08E-04	-5.51E-05	6.78E-04
2.58E+02	6.08E-04	-1.51E-04	7.29E-04
2.58E+02	6.78E-04	-1.89E-04	7.59E-04
2.58E+02	7.18E-04	-2.04E-04	7.35E-04
2.58E+02	7.73E-04	-2.07E-04	6.30E-04
2.58E+02	8.45E-04	-1.47E-04	5.76E-04
2.58E+02	9.12E-04	-7.99E-05	5.08E-04
2.58E+02	9.88E-04	-5.36E-05	3.81E-04
2.58E+02	9.93E-04	-4.65E-05	3.13E-04
2.58E+02	9.89E-04	-6.83E-05	2.65E-04
2.58E+02	1.03E-03	-8.58E-05	2.70E-04
2.58E+02	1.01E-03	-1.07E-04	3.23E-04
2.58E+02	9.53E-04	-1.64E-04	3.39E-04
2.58E+02	9.37E-04	-1.75E-04	3.90E-04
2.58E+02	9.54E-04	-1.37E-04	4.30E-04
2.58E+02	9.96E-04	-9.23E-05	4.37E-04
2.58E+02	1.01E-03	-4.25E-05	4.89E-04
2.58E+02	1.01E-03	-1.95E-05	5.19E-04
2.58E+02	1.04E-03	2.61E-05	5.58E-04
2.58E+02	1.02E-03	7.50E-05	5.89E-04
2.58E+02	9.34E-04	8.39E-05	5.25E-04
2.58E+02	8.51E-04	1.29E-04	4.84E-04
2.58E+02	7.38E-04	1.84E-04	4.73E-04
2.58E+02	6.18E-04	2.21E-04	4.36E-04
2.58E+02	4.75E-04	2.71E-04	4.41E-04
2.58E+02	3.26E-04	3.32E-04	4.71E-04
2.58E+02	2.46E-04	4.22E-04	5.08E-04
2.58E+02	1.65E-04	4.97E-04	5.17E-04
2.58E+02	8.28E-05	4.99E-04	4.31E-04
2.58E+02	6.10E-05	4.63E-04	3.53E-04
2.58E+02	7.08E-05	3.97E-04	3.22E-04
2.58E+02	1.11E-04	2.97E-04	2.61E-04
2.58E+02	1.30E-04	1.99E-04	2.04E-04
2.58E+02	1.42E-04	1.29E-04	1.65E-04
2.58E+02	2.31E-04	1.11E-04	1.35E-04
2.58E+02	3.03E-04	1.34E-04	1.11E-04
2.58E+02	3.44E-04	1.67E-04	5.04E-05

2.58E+02	3.97E-04	2.15E-04	-8.01E-06
2.58E+02	4.37E-04	2.74E-04	0.00E+00
2.58E+02	4.94E-04	3.11E-04	2.16E-05
2.58E+02	5.09E-04	3.06E-04	4.18E-05
2.58E+02	4.72E-04	2.55E-04	1.00E-04
2.58E+02	4.72E-04	1.96E-04	1.99E-04
2.58E+02	4.39E-04	1.38E-04	2.92E-04
2.58E+02	3.75E-04	4.75E-05	2.70E-04
2.58E+02	3.51E-04	-1.93E-05	2.22E-04
2.58E+02	3.49E-04	-4.23E-05	2.52E-04
2.58E+02	3.70E-04	-6.56E-05	2.45E-04
2.58E+02	3.70E-04	-7.80E-05	2.20E-04
2.58E+02	3.41E-04	-8.26E-05	1.49E-04
2.58E+02	3.56E-04	-6.07E-05	-1.09E-05
2.58E+02	3.81E-04	8.39E-06	-1.28E-04
2.58E+02	3.84E-04	8.81E-05	-2.00E-04
2.58E+02	4.06E-04	1.96E-04	-1.96E-04
2.58E+02	4.69E-04	3.42E-04	-7.04E-05
2.58E+02	5.69E-04	4.30E-04	5.51E-05
2.58E+02	6.49E-04	4.24E-04	1.75E-04
2.58E+02	6.84E-04	3.47E-04	3.08E-04
2.58E+02	7.36E-04	2.21E-04	3.86E-04
2.58E+02	7.76E-04	8.89E-05	4.12E-04
2.58E+02	7.57E-04	-4.35E-05	3.18E-04
2.58E+02	7.13E-04	-1.63E-04	1.17E-04
2.58E+02	6.71E-04	-2.09E-04	-8.39E-06
2.58E+02	6.55E-04	-1.69E-04	-6.60E-05
2.58E+02	5.90E-04	-7.42E-05	-1.08E-04
2.58E+02	4.59E-04	4.63E-05	-1.14E-04
2.58E+02	3.70E-04	1.81E-04	-1.05E-04
2.58E+02	2.88E-04	3.04E-04	-5.95E-05
2.58E+02	1.59E-04	3.50E-04	-4.06E-05
2.58E+02	3.57E-05	3.43E-04	-7.17E-05
2.58E+02	-5.17E-05	3.51E-04	-4.22E-05
2.58E+02	-8.74E-05	3.55E-04	-2.48E-06
2.58E+02	-7.40E-05	3.60E-04	3.66E-05
2.58E+02	-3.59E-05	3.70E-04	1.33E-04
2.58E+02	7.10E-05	3.76E-04	2.09E-04
2.58E+02	2.14E-04	4.04E-04	2.52E-04
2.58E+02	2.96E-04	4.10E-04	2.20E-04
2.58E+02	3.45E-04	4.05E-04	8.53E-05
2.58E+02	3.73E-04	4.47E-04	-2.08E-05
2.58E+02	3.65E-04	5.00E-04	-9.65E-05
2.58E+02	3.01E-04	5.28E-04	-1.77E-04
2.58E+02	1.47E-04	5.29E-04	-2.14E-04
2.58E+02	2.10E-06	5.25E-04	-2.29E-04
2.58E+02	-9.84E-05	5.31E-04	-1.99E-04

2.58E+02	-2.04E-04	5.25E-04	-1.70E-04
2.58E+02	-2.85E-04	4.94E-04	-2.52E-04
2.58E+02	-3.28E-04	4.81E-04	-3.25E-04
2.58E+02	-3.17E-04	4.97E-04	-3.89E-04
2.59E+02	-2.81E-04	5.06E-04	-5.12E-04
2.59E+02	-2.77E-04	5.10E-04	-5.62E-04
2.59E+02	-2.64E-04	5.10E-04	-5.30E-04
2.59E+02	-2.45E-04	5.07E-04	-4.41E-04
2.59E+02	-2.98E-04	4.57E-04	-3.64E-04
2.59E+02	-3.83E-04	3.44E-04	-4.01E-04
2.59E+02	-4.50E-04	2.54E-04	-4.25E-04
2.59E+02	-5.08E-04	1.86E-04	-4.15E-04
2.59E+02	-5.39E-04	1.36E-04	-3.83E-04
2.59E+02	-5.81E-04	1.42E-04	-2.70E-04
2.59E+02	-6.00E-04	1.66E-04	-1.81E-04
2.59E+02	-5.37E-04	2.00E-04	-1.47E-04
2.59E+02	-4.78E-04	2.36E-04	-1.55E-04
2.59E+02	-4.23E-04	2.46E-04	-2.31E-04
2.59E+02	-3.34E-04	2.66E-04	-2.77E-04
2.59E+02	-2.35E-04	2.70E-04	-3.28E-04
2.59E+02	-1.44E-04	2.20E-04	-4.57E-04
2.59E+02	-1.34E-04	1.40E-04	-5.83E-04
2.59E+02	-1.57E-04	4.06E-05	-7.03E-04
2.59E+02	-1.45E-04	-2.78E-05	-7.56E-04
2.59E+02	-1.74E-04	-7.95E-05	-7.11E-04
2.59E+02	-2.16E-04	-1.54E-04	-6.69E-04
2.59E+02	-2.22E-04	-1.79E-04	-5.87E-04
2.59E+02	-2.01E-04	-1.52E-04	-4.89E-04
2.59E+02	-1.80E-04	-9.02E-05	-4.45E-04
2.59E+02	-2.26E-04	5.15E-06	-3.79E-04
2.59E+02	-2.86E-04	7.71E-05	-3.22E-04
2.59E+02	-3.25E-04	1.39E-04	-2.52E-04
2.59E+02	-4.13E-04	1.80E-04	-1.15E-04
2.59E+02	-5.13E-04	1.53E-04	-2.52E-05
2.59E+02	-5.79E-04	1.10E-04	7.31E-05
2.59E+02	-6.06E-04	6.41E-05	1.85E-04
2.59E+02	-5.82E-04	-1.93E-05	1.39E-04
2.59E+02	-5.61E-04	-1.05E-04	9.16E-06
2.59E+02	-5.15E-04	-1.65E-04	-1.25E-04
2.59E+02	-3.97E-04	-1.72E-04	-2.60E-04
2.59E+02	-2.99E-04	-1.46E-04	-3.68E-04
2.59E+02	-2.40E-04	-1.51E-04	-4.85E-04
2.59E+02	-1.86E-04	-1.66E-04	-5.42E-04
2.59E+02	-1.43E-04	-1.98E-04	-5.39E-04
2.59E+02	-9.46E-05	-2.57E-04	-5.76E-04
2.59E+02	-7.67E-05	-2.97E-04	-5.71E-04
2.59E+02	-7.93E-05	-3.34E-04	-5.19E-04

2.59E+02	-1.16E-05	-3.74E-04	-4.81E-04
2.59E+02	6.50E-05	-4.19E-04	-4.54E-04
2.59E+02	1.14E-04	-5.05E-04	-5.00E-04
2.59E+02	1.77E-04	-5.68E-04	-5.29E-04
2.59E+02	2.15E-04	-5.85E-04	-4.82E-04
2.59E+02	2.60E-04	-5.87E-04	-4.86E-04
2.59E+02	2.39E-04	-5.77E-04	-5.24E-04
2.59E+02	1.42E-04	-5.48E-04	-5.44E-04
2.59E+02	9.29E-05	-4.67E-04	-5.19E-04
2.59E+02	-5.34E-06	-3.91E-04	-4.47E-04
2.59E+02	-1.52E-04	-3.60E-04	-4.26E-04
2.59E+02	-2.58E-04	-3.28E-04	-4.06E-04
2.59E+02	-3.42E-04	-2.74E-04	-2.99E-04
2.59E+02	-3.73E-04	-2.11E-04	-1.89E-04
2.59E+02	-3.98E-04	-1.40E-04	-1.11E-04
2.59E+02	-4.34E-04	-7.15E-05	-6.58E-05
2.59E+02	-4.24E-04	-2.46E-05	-7.50E-05
2.59E+02	-4.30E-04	2.10E-06	-7.11E-05
2.59E+02	-5.09E-04	-2.65E-05	-1.13E-04
2.59E+02	-6.20E-04	-8.05E-05	-1.92E-04
2.59E+02	-7.32E-04	-1.07E-04	-2.12E-04
2.59E+02	-8.30E-04	-1.41E-04	-2.70E-04
2.59E+02	-9.30E-04	-1.63E-04	-3.53E-04
2.59E+02	-1.04E-03	-1.63E-04	-3.97E-04
2.59E+02	-1.08E-03	-1.31E-04	-4.15E-04
2.59E+02	-1.05E-03	-3.99E-05	-3.64E-04
2.59E+02	-1.01E-03	3.26E-05	-3.21E-04
2.59E+02	-9.20E-04	6.50E-05	-3.07E-04
2.59E+02	-7.91E-04	1.12E-04	-2.35E-04
2.59E+02	-6.61E-04	1.47E-04	-1.91E-04
2.59E+02	-5.72E-04	1.74E-04	-1.70E-04
2.59E+02	-5.42E-04	2.17E-04	-1.10E-04
2.59E+02	-5.10E-04	2.39E-04	-6.98E-05
2.59E+02	-4.86E-04	2.73E-04	8.58E-06
2.59E+02	-4.96E-04	3.13E-04	9.12E-05
2.59E+02	-4.98E-04	3.25E-04	1.07E-04
2.59E+02	-4.92E-04	3.75E-04	1.59E-04
2.59E+02	-4.54E-04	4.22E-04	1.87E-04
2.59E+02	-3.87E-04	4.34E-04	1.51E-04
2.59E+02	-3.54E-04	4.33E-04	1.28E-04
2.59E+02	-2.98E-04	3.91E-04	9.59E-05
2.59E+02	-2.18E-04	3.31E-04	8.89E-05
2.59E+02	-2.12E-04	2.32E-04	6.75E-05
2.59E+02	-2.42E-04	9.35E-05	-2.35E-05
2.59E+02	-2.71E-04	4.39E-06	-1.03E-04
2.59E+02	-2.90E-04	-3.01E-05	-2.26E-04
2.59E+02	-3.12E-04	-2.50E-05	-3.86E-04

2.59E+02	-3.84E-04	2.10E-06	-4.98E-04
2.59E+02	-4.24E-04	1.96E-05	-5.86E-04
2.59E+02	-4.31E-04	5.04E-05	-5.95E-04
2.59E+02	-4.94E-04	6.50E-05	-5.53E-04
2.59E+02	-5.51E-04	4.10E-05	-5.33E-04
2.59E+02	-5.83E-04	3.05E-05	-4.42E-04
2.59E+02	-5.91E-04	3.05E-05	-3.14E-04
2.59E+02	-5.53E-04	3.05E-05	-2.01E-04
2.59E+02	-5.25E-04	4.16E-05	-6.28E-05
2.59E+02	-4.82E-04	6.68E-05	6.39E-05
2.59E+02	-3.92E-04	1.30E-04	1.96E-04
2.59E+02	-3.33E-04	1.81E-04	2.84E-04
2.59E+02	-2.91E-04	1.71E-04	2.74E-04
2.59E+02	-2.37E-04	1.40E-04	2.96E-04
2.59E+02	-1.89E-04	7.69E-05	3.24E-04
2.59E+02	-1.51E-04	-4.84E-05	2.62E-04
2.59E+02	-1.80E-04	-1.81E-04	1.94E-04
2.59E+02	-2.14E-04	-2.93E-04	1.26E-04
2.59E+02	-1.71E-04	-3.66E-04	5.78E-05
2.59E+02	-1.39E-04	-3.89E-04	8.96E-06
2.59E+02	-1.24E-04	-4.14E-04	-7.67E-05
2.59E+02	-5.44E-05	-4.05E-04	-1.02E-04
2.59E+02	6.05E-05	-3.49E-04	-5.65E-05
2.59E+02	1.85E-04	-3.05E-04	-7.15E-05
2.59E+02	2.76E-04	-2.52E-04	-9.12E-05
2.59E+02	3.56E-04	-1.91E-04	-1.06E-04
2.59E+02	4.43E-04	-1.08E-04	-9.16E-05
2.59E+02	4.49E-04	-2.31E-05	-2.71E-05
2.59E+02	3.87E-04	9.54E-07	-1.53E-06
2.59E+02	3.10E-04	2.48E-05	6.66E-05
2.59E+02	2.28E-04	6.54E-05	1.72E-04
2.59E+02	1.41E-04	9.46E-05	2.30E-04
2.59E+02	4.39E-06	1.39E-04	2.87E-04
2.59E+02	-1.22E-04	1.91E-04	3.11E-04
2.59E+02	-1.73E-04	2.67E-04	2.92E-04
2.59E+02	-2.33E-04	3.56E-04	2.54E-04
2.59E+02	-3.12E-04	4.16E-04	1.36E-04
2.59E+02	-3.72E-04	4.79E-04	1.96E-05
2.59E+02	-4.06E-04	5.38E-04	-3.03E-05
2.59E+02	-4.15E-04	5.47E-04	-1.05E-04
2.59E+02	-4.50E-04	5.21E-04	-1.22E-04
2.59E+02	-4.77E-04	4.92E-04	-5.95E-05
2.59E+02	-4.48E-04	4.77E-04	7.06E-06
2.59E+02	-4.31E-04	4.65E-04	8.53E-05
2.59E+02	-4.38E-04	4.19E-04	7.72E-05
2.59E+02	-4.24E-04	3.78E-04	5.57E-05
2.59E+02	-3.88E-04	3.76E-04	1.07E-04

2.59E+02	-3.31E-04	3.85E-04	1.31E-04
2.59E+02	-2.99E-04	4.13E-04	1.81E-04
2.59E+02	-2.77E-04	4.55E-04	2.56E-04
2.59E+02	-2.09E-04	4.97E-04	2.81E-04
2.59E+02	-1.60E-04	5.19E-04	2.67E-04
2.59E+02	-1.54E-04	4.88E-04	1.76E-04
2.59E+02	-1.34E-04	4.37E-04	7.99E-05
2.59E+02	-8.83E-05	3.90E-04	6.07E-05
2.59E+02	-3.81E-05	3.25E-04	2.88E-05
2.59E+02	-2.38E-05	2.62E-04	2.88E-05
2.59E+02	-5.65E-05	2.08E-04	9.27E-05
2.59E+02	-8.35E-05	1.87E-04	1.57E-04
2.59E+02	-1.34E-04	2.05E-04	2.35E-04
2.59E+02	-2.51E-04	1.90E-04	2.25E-04
2.59E+02	-3.50E-04	1.85E-04	1.78E-04
2.59E+02	-4.07E-04	2.34E-04	1.89E-04
2.59E+02	-4.48E-04	2.81E-04	1.45E-04
2.59E+02	-4.73E-04	3.42E-04	9.40E-05
2.59E+02	-4.92E-04	4.10E-04	5.68E-05
2.59E+02	-4.50E-04	4.80E-04	1.05E-05
2.59E+02	-3.64E-04	5.50E-04	3.19E-05
2.59E+02	-2.99E-04	5.77E-04	3.40E-05
2.59E+02	-2.28E-04	5.87E-04	4.58E-06
2.59E+02	-1.46E-04	6.15E-04	2.44E-05
2.59E+02	-6.18E-05	6.47E-04	-3.81E-07
2.59E+02	-4.01E-06	6.58E-04	-4.69E-05
2.59E+02	7.25E-06	6.52E-04	-4.73E-05
2.59E+02	3.32E-05	6.44E-04	-6.52E-05
2.59E+02	5.49E-05	6.12E-04	-1.03E-04
2.59E+02	3.15E-05	5.22E-04	-1.69E-04
2.59E+02	-1.14E-06	3.85E-04	-2.09E-04
2.59E+02	-4.44E-05	2.51E-04	-1.35E-04
2.59E+02	-9.16E-05	1.35E-04	-7.15E-05
2.59E+02	-1.67E-04	4.71E-05	-7.13E-05
2.59E+02	-2.93E-04	1.34E-06	-4.69E-05
2.59E+02	-3.78E-04	-2.29E-06	1.70E-05
2.59E+02	-4.32E-04	2.82E-05	1.65E-04
2.59E+02	-5.31E-04	3.30E-05	3.40E-04
2.59E+02	-6.28E-04	6.87E-06	4.56E-04
2.59E+02	-6.88E-04	-1.13E-05	5.77E-04
2.59E+02	-6.97E-04	-4.33E-05	6.49E-04
2.59E+02	-6.69E-04	-8.26E-05	6.48E-04
2.59E+02	-6.52E-04	-9.88E-05	6.45E-04
2.59E+02	-5.85E-04	-8.51E-05	6.00E-04
2.59E+02	-4.79E-04	-3.22E-05	5.32E-04
2.59E+02	-4.09E-04	2.35E-05	4.12E-04
2.59E+02	-3.17E-04	7.23E-05	2.40E-04

2.59E+02	-2.01E-04	1.54E-04	1.50E-04
2.59E+02	-9.17E-05	2.21E-04	7.88E-05
2.59E+02	-2.10E-06	2.61E-04	-4.77E-06
2.59E+02	2.12E-05	3.12E-04	-2.08E-05
2.59E+02	5.84E-05	3.76E-04	1.72E-06
2.59E+02	1.20E-04	4.78E-04	7.44E-05
2.59E+02	1.07E-04	5.68E-04	1.23E-04
2.59E+02	5.84E-05	6.08E-04	1.21E-04
2.59E+02	-1.72E-06	6.54E-04	2.16E-04
2.59E+02	-6.50E-05	6.67E-04	3.33E-04
2.59E+02	-1.09E-04	6.24E-04	4.13E-04
2.59E+02	-1.94E-04	5.31E-04	5.50E-04
2.59E+02	-2.63E-04	3.96E-04	6.84E-04
2.59E+02	-2.80E-04	2.62E-04	7.88E-04
2.59E+02	-3.36E-04	1.02E-04	8.09E-04
2.59E+02	-3.91E-04	-4.48E-05	6.96E-04
2.60E+02	-4.13E-04	-1.35E-04	6.06E-04
2.60E+02	-4.15E-04	-1.91E-04	5.55E-04
2.60E+02	-3.96E-04	-2.06E-04	4.88E-04
2.60E+02	-3.91E-04	-2.30E-04	4.47E-04
2.60E+02	-3.63E-04	-2.91E-04	3.70E-04
2.60E+02	-2.83E-04	-3.71E-04	2.98E-04
2.60E+02	-2.27E-04	-4.91E-04	2.56E-04
2.60E+02	-2.05E-04	-6.30E-04	1.48E-04
2.60E+02	-1.74E-04	-7.03E-04	9.21E-05
2.60E+02	-1.50E-04	-7.06E-04	6.43E-05
2.60E+02	-1.22E-04	-6.63E-04	-3.64E-05
2.60E+02	-1.23E-04	-5.63E-04	-7.82E-05
2.60E+02	-1.56E-04	-4.41E-04	-7.80E-05
2.60E+02	-1.39E-04	-2.85E-04	-3.47E-05
2.60E+02	-1.50E-04	-1.47E-04	5.11E-05
2.60E+02	-2.03E-04	-9.54E-05	6.45E-05
2.60E+02	-2.35E-04	-6.60E-05	1.17E-04
2.60E+02	-2.57E-04	-4.67E-05	2.48E-04
2.60E+02	-2.70E-04	-4.04E-05	3.58E-04
2.60E+02	-3.40E-04	-3.22E-05	4.88E-04
2.60E+02	-4.37E-04	-2.67E-05	6.07E-04
2.60E+02	-5.03E-04	1.22E-05	6.73E-04
2.60E+02	-6.15E-04	6.14E-05	6.85E-04
2.60E+02	-7.50E-04	8.34E-05	6.10E-04
2.60E+02	-8.45E-04	1.12E-04	5.70E-04
2.60E+02	-9.03E-04	1.33E-04	5.78E-04
2.60E+02	-9.02E-04	1.29E-04	5.21E-04
2.60E+02	-9.12E-04	1.05E-04	4.43E-04
2.60E+02	-9.13E-04	6.94E-05	3.54E-04
2.60E+02	-8.15E-04	5.82E-05	2.69E-04
2.60E+02	-7.18E-04	2.48E-05	2.02E-04

2.60E+02	-6.30E-04	-8.34E-05	7.50E-05
2.60E+02	-5.21E-04	-2.18E-04	-4.04E-05
2.60E+02	-4.48E-04	-3.42E-04	-1.15E-04
2.60E+02	-3.92E-04	-4.42E-04	-2.46E-04
2.60E+02	-3.95E-04	-4.79E-04	-3.63E-04
2.60E+02	-4.55E-04	-4.67E-04	-4.34E-04
2.60E+02	-4.89E-04	-4.12E-04	-4.92E-04
2.60E+02	-5.46E-04	-3.22E-04	-4.98E-04
2.60E+02	-6.47E-04	-2.59E-04	-5.06E-04
2.60E+02	-7.48E-04	-2.15E-04	-4.63E-04
2.60E+02	-8.37E-04	-1.74E-04	-3.23E-04
2.60E+02	-8.85E-04	-1.74E-04	-2.26E-04
2.60E+02	-9.47E-04	-2.07E-04	-1.37E-04
2.60E+02	-1.03E-03	-2.66E-04	-8.77E-06
2.60E+02	-1.03E-03	-3.23E-04	1.31E-04
2.60E+02	-1.01E-03	-3.59E-04	2.82E-04
2.60E+02	-9.99E-04	-4.19E-04	3.31E-04
2.60E+02	-9.44E-04	-4.68E-04	3.43E-04
2.60E+02	-8.67E-04	-4.58E-04	4.29E-04
2.60E+02	-7.70E-04	-4.28E-04	4.73E-04
2.60E+02	-6.93E-04	-3.83E-04	4.73E-04
2.60E+02	-6.61E-04	-3.54E-04	4.41E-04
2.60E+02	-5.88E-04	-3.60E-04	3.58E-04
2.60E+02	-5.06E-04	-3.81E-04	3.08E-04
2.60E+02	-4.62E-04	-4.53E-04	2.26E-04
2.60E+02	-4.03E-04	-5.38E-04	1.02E-04
2.60E+02	-3.41E-04	-5.87E-04	5.53E-06
2.60E+02	-2.74E-04	-6.25E-04	-1.41E-04
2.60E+02	-2.25E-04	-6.50E-04	-2.88E-04
2.60E+02	-2.50E-04	-6.58E-04	-3.52E-04
2.60E+02	-2.76E-04	-6.38E-04	-3.30E-04
2.60E+02	-3.15E-04	-6.09E-04	-2.04E-04
2.60E+02	-4.37E-04	-6.46E-04	-8.18E-05
2.60E+02	-5.72E-04	-7.13E-04	1.26E-05
2.60E+02	-6.81E-04	-7.39E-04	1.57E-04
2.60E+02	-7.47E-04	-7.28E-04	2.74E-04
2.60E+02	-7.96E-04	-6.78E-04	3.22E-04
2.60E+02	-8.61E-04	-5.88E-04	3.55E-04
2.60E+02	-8.59E-04	-4.81E-04	3.70E-04
2.60E+02	-8.09E-04	-3.69E-04	3.96E-04
2.60E+02	-7.85E-04	-2.98E-04	3.90E-04
2.60E+02	-7.73E-04	-2.92E-04	3.02E-04
2.60E+02	-7.63E-04	-2.69E-04	2.66E-04
2.60E+02	-7.38E-04	-2.26E-04	2.44E-04
2.60E+02	-7.30E-04	-2.00E-04	1.72E-04
2.60E+02	-7.68E-04	-1.53E-04	1.54E-04
2.60E+02	-7.84E-04	-8.60E-05	1.43E-04

2.60E+02	-7.90E-04	-1.85E-05	1.05E-04
2.60E+02	-8.40E-04	3.43E-06	1.16E-05
2.60E+02	-8.78E-04	-3.19E-05	-1.19E-04
2.60E+02	-8.86E-04	-6.29E-05	-1.53E-04
2.60E+02	-8.71E-04	-9.82E-05	-1.36E-04
2.60E+02	-8.44E-04	-1.45E-04	-8.51E-05
2.60E+02	-8.59E-04	-1.78E-04	2.80E-05
2.60E+02	-8.47E-04	-1.79E-04	1.31E-04
2.60E+02	-7.84E-04	-1.17E-04	2.23E-04
2.60E+02	-7.61E-04	-1.60E-05	2.56E-04
2.60E+02	-7.47E-04	8.83E-05	2.12E-04
2.60E+02	-7.12E-04	1.98E-04	2.31E-04
2.60E+02	-6.52E-04	2.66E-04	2.83E-04
2.60E+02	-5.66E-04	2.64E-04	2.86E-04
2.60E+02	-5.15E-04	2.05E-04	3.01E-04
2.60E+02	-4.60E-04	9.82E-05	2.95E-04
2.60E+02	-3.86E-04	-3.05E-06	2.81E-04
2.60E+02	-3.55E-04	-9.78E-05	2.46E-04
2.60E+02	-3.55E-04	-2.32E-04	8.32E-05
2.60E+02	-3.47E-04	-3.44E-04	-7.55E-05
2.60E+02	-3.26E-04	-4.06E-04	-1.63E-04
2.60E+02	-3.04E-04	-4.58E-04	-2.68E-04
2.60E+02	-3.15E-04	-4.87E-04	-3.63E-04
2.60E+02	-3.13E-04	-4.89E-04	-4.47E-04
2.60E+02	-2.47E-04	-4.50E-04	-4.51E-04
2.60E+02	-2.08E-04	-3.99E-04	-3.62E-04
2.60E+02	-2.14E-04	-3.74E-04	-2.95E-04
2.60E+02	-2.09E-04	-3.43E-04	-2.12E-04
2.60E+02	-1.91E-04	-3.23E-04	-1.51E-04
2.60E+02	-1.56E-04	-3.48E-04	-1.63E-04
2.60E+02	-1.55E-04	-3.86E-04	-1.27E-04
2.60E+02	-1.65E-04	-3.97E-04	-6.26E-05
2.60E+02	-1.24E-04	-3.43E-04	2.25E-05
2.60E+02	-1.24E-04	-2.51E-04	1.07E-04
2.60E+02	-1.75E-04	-1.91E-04	8.68E-05
2.60E+02	-2.18E-04	-1.24E-04	7.02E-05
2.60E+02	-2.74E-04	-4.39E-05	8.34E-05
2.60E+02	-3.40E-04	1.07E-05	3.91E-05
2.60E+02	-4.41E-04	6.41E-05	5.72E-06
2.60E+02	-5.68E-04	8.62E-05	-2.35E-05
2.60E+02	-6.46E-04	1.03E-04	-3.03E-05
2.60E+02	-7.38E-04	1.22E-04	1.54E-05
2.60E+02	-8.59E-04	8.43E-05	1.91E-07
2.60E+02	-9.51E-04	4.29E-05	-2.17E-05
2.60E+02	-1.03E-03	1.72E-06	-2.57E-05
2.60E+02	-1.07E-03	-4.06E-05	-1.13E-04
2.60E+02	-1.10E-03	-6.83E-05	-2.01E-04

2.60E+02	-1.12E-03	-8.58E-05	-2.37E-04
2.60E+02	-1.04E-03	-5.63E-05	-2.40E-04
2.60E+02	-9.46E-04	-4.60E-05	-2.49E-04
2.60E+02	-8.76E-04	-9.75E-05	-3.46E-04
2.60E+02	-7.65E-04	-1.54E-04	-4.42E-04
2.60E+02	-6.39E-04	-2.15E-04	-4.95E-04
2.60E+02	-4.98E-04	-2.76E-04	-6.01E-04
2.60E+02	-3.83E-04	-3.19E-04	-6.93E-04
2.60E+02	-3.17E-04	-3.52E-04	-7.47E-04
2.60E+02	-2.38E-04	-3.61E-04	-7.71E-04
2.60E+02	-1.82E-04	-3.48E-04	-6.99E-04
2.60E+02	-1.78E-04	-3.54E-04	-6.46E-04
2.60E+02	-1.83E-04	-3.52E-04	-6.16E-04
2.60E+02	-1.92E-04	-3.03E-04	-5.10E-04
2.60E+02	-1.71E-04	-2.44E-04	-4.40E-04
2.60E+02	-1.58E-04	-1.91E-04	-3.84E-04
2.60E+02	-1.85E-04	-1.32E-04	-2.72E-04
2.60E+02	-1.88E-04	-8.37E-05	-1.63E-04
2.60E+02	-2.04E-04	-4.67E-05	-2.86E-05
2.60E+02	-2.67E-04	-2.90E-05	9.00E-05
2.60E+02	-3.29E-04	-4.27E-05	1.97E-04
2.60E+02	-3.74E-04	-4.69E-05	3.71E-04
2.60E+02	-3.99E-04	-4.86E-05	4.98E-04
2.60E+02	-4.39E-04	-4.73E-05	5.46E-04
2.60E+02	-4.97E-04	-1.87E-05	5.37E-04
2.60E+02	-4.96E-04	4.25E-05	4.26E-04
2.60E+02	-4.70E-04	1.38E-04	2.74E-04
2.60E+02	-4.75E-04	2.17E-04	5.59E-05
2.60E+02	-4.78E-04	2.78E-04	-2.09E-04
2.60E+02	-4.83E-04	3.57E-04	-3.93E-04
2.60E+02	-4.73E-04	4.28E-04	-5.77E-04
2.60E+02	-4.63E-04	4.75E-04	-7.65E-04
2.60E+02	-5.05E-04	4.96E-04	-8.36E-04
2.60E+02	-5.16E-04	4.99E-04	-8.05E-04
2.60E+02	-5.02E-04	4.88E-04	-6.89E-04
2.60E+02	-5.32E-04	4.26E-04	-6.01E-04
2.60E+02	-5.45E-04	3.21E-04	-5.97E-04
2.60E+02	-5.23E-04	2.26E-04	-5.35E-04
2.60E+02	-4.86E-04	1.25E-04	-4.88E-04
2.60E+02	-4.54E-04	1.53E-05	-5.04E-04
2.60E+02	-4.49E-04	-8.11E-05	-5.06E-04
2.60E+02	-4.23E-04	-1.64E-04	-5.65E-04
2.60E+02	-3.56E-04	-2.04E-04	-6.08E-04
2.60E+02	-2.96E-04	-2.09E-04	-6.00E-04
2.60E+02	-2.45E-04	-1.97E-04	-5.99E-04
2.60E+02	-1.75E-04	-1.34E-04	-5.13E-04
2.60E+02	-9.48E-05	-5.46E-05	-4.53E-04

2.60E+02	-2.78E-05	1.18E-05	-4.80E-04
2.60E+02	-9.92E-06	8.41E-05	-4.52E-04
2.60E+02	4.58E-06	1.67E-04	-4.05E-04
2.60E+02	5.34E-05	2.72E-04	-3.61E-04
2.60E+02	6.08E-05	3.25E-04	-3.53E-04
2.60E+02	6.16E-05	3.00E-04	-4.20E-04
2.60E+02	9.08E-05	2.68E-04	-4.33E-04
2.60E+02	1.16E-04	2.20E-04	-4.18E-04
2.60E+02	1.36E-04	1.63E-04	-4.33E-04
2.60E+02	8.49E-05	1.09E-04	-4.07E-04
2.60E+02	2.90E-05	5.51E-05	-4.01E-04
2.60E+02	3.57E-05	4.25E-05	-3.89E-04
2.60E+02	-3.81E-06	2.25E-05	-3.41E-04
2.60E+02	-4.41E-05	-2.98E-05	-3.22E-04
2.60E+02	-4.86E-05	-7.44E-05	-2.32E-04
2.60E+02	-6.41E-05	-1.33E-04	-1.41E-04
2.60E+02	-6.35E-05	-1.87E-04	-1.59E-04
2.60E+02	-9.06E-05	-2.20E-04	-1.49E-04
2.60E+02	-1.14E-04	-2.40E-04	-1.13E-04
2.60E+02	-8.77E-05	-2.32E-04	-5.66E-05
2.60E+02	-9.77E-05	-2.47E-04	-9.54E-07
2.60E+02	-1.24E-04	-2.95E-04	-2.88E-05
2.60E+02	-1.16E-04	-3.18E-04	-5.15E-06
2.60E+02	-8.89E-05	-3.36E-04	5.78E-05
2.60E+02	-3.93E-05	-3.75E-04	5.91E-05
2.60E+02	-1.30E-05	-4.36E-04	5.78E-05
2.60E+02	1.22E-05	-5.39E-04	4.96E-06
2.60E+02	8.85E-05	-6.46E-04	-5.34E-05
2.61E+02	1.40E-04	-7.60E-04	-4.90E-05
2.61E+02	1.57E-04	-9.12E-04	-8.60E-05
2.61E+02	1.64E-04	-1.05E-03	-1.20E-04
2.61E+02	1.40E-04	-1.17E-03	-1.46E-04
2.61E+02	1.21E-04	-1.29E-03	-2.51E-04
2.61E+02	6.96E-05	-1.35E-03	-3.52E-04
2.61E+02	3.81E-06	-1.36E-03	-4.26E-04
2.61E+02	1.87E-05	-1.28E-03	-4.53E-04
2.61E+02	4.50E-05	-1.15E-03	-4.09E-04
2.61E+02	7.71E-05	-1.04E-03	-3.90E-04
2.61E+02	1.77E-04	-9.27E-04	-3.46E-04
2.61E+02	3.03E-04	-8.09E-04	-2.81E-04
2.61E+02	4.44E-04	-7.07E-04	-3.13E-04
2.61E+02	5.37E-04	-6.11E-04	-3.52E-04
2.61E+02	5.83E-04	-5.13E-04	-3.70E-04
2.61E+02	6.66E-04	-3.89E-04	-4.00E-04
2.61E+02	7.01E-04	-2.35E-04	-3.79E-04
2.61E+02	6.61E-04	-1.15E-04	-3.58E-04
2.61E+02	6.03E-04	-2.14E-05	-3.05E-04

2.61E+02	5.32E-04	5.09E-05	-2.09E-04
2.61E+02	4.86E-04	7.11E-05	-2.10E-04
2.61E+02	4.37E-04	8.32E-05	-2.24E-04
2.61E+02	3.87E-04	7.84E-05	-1.89E-04
2.61E+02	4.02E-04	5.30E-05	-1.48E-04
2.61E+02	4.34E-04	1.98E-05	-1.03E-04
2.61E+02	4.49E-04	-5.36E-05	-1.28E-04
2.61E+02	4.92E-04	-1.27E-04	-1.28E-04
2.61E+02	5.62E-04	-1.93E-04	-2.19E-05
2.61E+02	6.55E-04	-2.63E-04	6.94E-05
2.61E+02	7.15E-04	-3.17E-04	1.22E-04
2.61E+02	7.28E-04	-3.57E-04	1.21E-04
2.61E+02	7.70E-04	-3.63E-04	6.12E-05
2.61E+02	7.78E-04	-3.33E-04	2.29E-06
2.61E+02	7.13E-04	-2.98E-04	-9.25E-05
2.61E+02	6.24E-04	-2.57E-04	-1.92E-04
2.61E+02	5.35E-04	-1.85E-04	-1.98E-04
2.61E+02	4.90E-04	-1.10E-04	-1.98E-04
2.61E+02	4.33E-04	-6.87E-05	-2.24E-04
2.61E+02	3.52E-04	-5.65E-05	-2.04E-04
2.61E+02	3.34E-04	-4.90E-05	-1.67E-04
2.61E+02	3.32E-04	-2.23E-05	-1.16E-04
2.61E+02	3.04E-04	-1.70E-05	-1.38E-04
2.61E+02	3.01E-04	-1.11E-05	-2.37E-04
2.61E+02	3.37E-04	4.10E-05	-2.42E-04
2.61E+02	4.06E-04	8.26E-05	-1.79E-04
2.61E+02	4.84E-04	9.27E-05	-8.24E-05
2.61E+02	5.18E-04	5.82E-05	4.50E-05
2.61E+02	5.73E-04	-1.66E-05	1.15E-04
2.61E+02	6.42E-04	-7.76E-05	1.67E-04
2.61E+02	6.35E-04	-1.48E-04	1.94E-04
2.61E+02	6.05E-04	-2.07E-04	1.72E-04
2.61E+02	5.83E-04	-1.94E-04	1.93E-04
2.61E+02	5.72E-04	-1.50E-04	1.94E-04
2.61E+02	5.80E-04	-8.66E-05	1.69E-04
2.61E+02	5.75E-04	-2.08E-05	1.97E-04
2.61E+02	6.18E-04	2.92E-05	2.25E-04
2.61E+02	7.29E-04	7.72E-05	2.63E-04
2.61E+02	8.31E-04	5.07E-05	2.45E-04
2.61E+02	9.56E-04	-2.29E-05	1.54E-04
2.61E+02	1.10E-03	-8.24E-05	1.31E-04
2.61E+02	1.26E-03	-1.34E-04	1.42E-04
2.61E+02	1.41E-03	-1.28E-04	1.77E-04
2.61E+02	1.50E-03	-9.63E-05	2.69E-04
2.61E+02	1.58E-03	-6.35E-05	3.32E-04
2.61E+02	1.69E-03	-5.15E-06	3.77E-04
2.61E+02	1.74E-03	2.69E-05	3.87E-04

2.61E+02	1.75E-03	3.80E-05	3.46E-04
2.61E+02	1.74E-03	5.93E-05	3.75E-04
2.61E+02	1.70E-03	6.03E-05	4.00E-04
2.61E+02	1.65E-03	3.26E-05	3.15E-04
2.61E+02	1.52E-03	-7.82E-06	2.26E-04
2.61E+02	1.40E-03	-2.80E-05	1.71E-04
2.61E+02	1.32E-03	2.48E-06	1.77E-04
2.61E+02	1.21E-03	4.31E-05	1.68E-04
2.61E+02	1.10E-03	6.94E-05	4.52E-05
2.61E+02	1.05E-03	1.28E-04	-2.65E-05
2.61E+02	1.01E-03	2.12E-04	-1.81E-05
2.61E+02	9.91E-04	2.92E-04	1.60E-05
2.61E+02	9.18E-04	3.58E-04	9.06E-05
2.61E+02	8.24E-04	3.87E-04	1.14E-04
2.61E+02	7.72E-04	4.07E-04	1.28E-04
2.61E+02	7.10E-04	3.97E-04	1.54E-04
2.61E+02	6.63E-04	3.38E-04	1.19E-04
2.61E+02	6.65E-04	3.06E-04	1.15E-04
2.61E+02	7.02E-04	2.87E-04	1.22E-04
2.61E+02	7.63E-04	2.52E-04	5.59E-05
2.61E+02	7.75E-04	1.98E-04	-1.54E-05
2.61E+02	7.63E-04	1.22E-04	-8.01E-05
2.61E+02	7.87E-04	7.86E-05	-1.10E-04
2.61E+02	7.63E-04	4.27E-05	-1.03E-04
2.61E+02	6.88E-04	-7.82E-06	-1.47E-04
2.61E+02	6.16E-04	-7.82E-06	-1.57E-04
2.61E+02	5.57E-04	3.20E-05	-9.67E-05
2.61E+02	5.37E-04	9.54E-05	-2.88E-05
2.61E+02	4.97E-04	1.71E-04	8.28E-05
2.61E+02	4.46E-04	2.07E-04	1.94E-04
2.61E+02	4.73E-04	2.35E-04	2.87E-04
2.61E+02	5.04E-04	2.65E-04	3.85E-04
2.61E+02	5.17E-04	2.61E-04	4.12E-04
2.61E+02	5.61E-04	2.68E-04	4.21E-04
2.61E+02	5.83E-04	2.84E-04	4.18E-04
2.61E+02	5.94E-04	2.91E-04	3.10E-04
2.61E+02	5.73E-04	3.08E-04	1.92E-04
2.61E+02	4.88E-04	3.11E-04	1.04E-04
2.61E+02	4.40E-04	3.26E-04	4.14E-05
2.61E+02	3.96E-04	3.52E-04	3.76E-05
2.61E+02	3.20E-04	3.38E-04	1.41E-05
2.61E+02	2.84E-04	3.19E-04	-7.25E-06
2.61E+02	2.68E-04	3.32E-04	2.80E-05
2.61E+02	2.70E-04	3.62E-04	4.04E-05
2.61E+02	2.37E-04	4.14E-04	2.21E-05
2.61E+02	1.45E-04	4.85E-04	-1.64E-05
2.61E+02	1.04E-04	5.82E-04	-7.46E-05

2.61E+02	7.76E-05	6.80E-04	-1.05E-04
2.61E+02	2.29E-05	7.40E-04	-1.36E-04
2.61E+02	1.11E-05	7.87E-04	-1.31E-04
2.61E+02	4.12E-05	8.35E-04	-2.04E-05
2.61E+02	1.30E-04	8.55E-04	1.24E-04
2.61E+02	2.23E-04	8.28E-04	2.76E-04
2.61E+02	2.71E-04	7.65E-04	4.59E-04
2.61E+02	3.63E-04	7.21E-04	6.53E-04
2.61E+02	4.56E-04	7.18E-04	8.46E-04
2.61E+02	5.04E-04	7.08E-04	9.42E-04
2.61E+02	5.73E-04	7.06E-04	9.39E-04
2.61E+02	6.62E-04	7.43E-04	9.39E-04
2.61E+02	7.71E-04	7.61E-04	8.64E-04
2.61E+02	8.61E-04	7.35E-04	7.08E-04
2.61E+02	9.07E-04	6.77E-04	5.53E-04
2.61E+02	9.93E-04	5.86E-04	4.03E-04
2.61E+02	1.10E-03	5.07E-04	3.24E-04
2.61E+02	1.16E-03	4.24E-04	2.39E-04
2.61E+02	1.22E-03	3.32E-04	9.94E-05
2.61E+02	1.26E-03	2.90E-04	1.85E-05
2.61E+02	1.29E-03	2.75E-04	-6.14E-05
2.61E+02	1.30E-03	2.60E-04	-1.37E-04
2.61E+02	1.22E-03	2.35E-04	-1.48E-04
2.61E+02	1.11E-03	2.09E-04	-1.34E-04
2.61E+02	1.01E-03	2.00E-04	-6.90E-05
2.61E+02	8.52E-04	1.43E-04	-1.95E-05
2.61E+02	7.31E-04	6.92E-05	2.46E-05
2.61E+02	6.54E-04	2.29E-05	1.31E-04
2.61E+02	6.15E-04	-1.37E-05	2.13E-04
2.61E+02	6.28E-04	5.34E-06	2.94E-04
2.61E+02	6.09E-04	2.99E-05	3.59E-04
2.61E+02	6.23E-04	2.90E-05	3.62E-04
2.61E+02	6.80E-04	2.88E-05	3.91E-04
2.61E+02	6.89E-04	-2.57E-05	4.26E-04
2.61E+02	6.83E-04	-1.19E-04	4.28E-04
2.61E+02	6.81E-04	-2.06E-04	4.68E-04
2.61E+02	7.04E-04	-2.84E-04	5.06E-04
2.61E+02	7.46E-04	-3.45E-04	5.11E-04
2.61E+02	7.50E-04	-3.93E-04	5.33E-04
2.61E+02	7.78E-04	-4.07E-04	5.53E-04
2.61E+02	8.49E-04	-3.63E-04	5.85E-04
2.61E+02	8.86E-04	-3.06E-04	5.82E-04
2.61E+02	9.13E-04	-2.67E-04	4.82E-04
2.61E+02	9.52E-04	-2.17E-04	4.32E-04
2.61E+02	9.91E-04	-1.41E-04	4.57E-04
2.61E+02	9.96E-04	-5.40E-05	4.35E-04
2.61E+02	9.09E-04	3.89E-05	4.03E-04

2.61E+02	8.08E-04	1.46E-04	3.76E-04
2.61E+02	7.42E-04	2.59E-04	3.68E-04
2.61E+02	6.18E-04	3.19E-04	3.88E-04
2.61E+02	4.65E-04	3.10E-04	3.57E-04
2.61E+02	3.41E-04	2.74E-04	3.42E-04
2.61E+02	2.41E-04	2.19E-04	3.25E-04
2.61E+02	1.75E-04	1.37E-04	2.06E-04
2.61E+02	9.57E-05	4.06E-05	7.38E-05
2.61E+02	3.66E-05	-3.22E-05	-5.26E-05
2.61E+02	4.92E-05	-6.07E-05	-1.54E-04
2.61E+02	5.70E-05	-8.49E-05	-2.24E-04
2.61E+02	7.44E-05	-1.22E-04	-3.15E-04
2.61E+02	1.47E-04	-1.28E-04	-3.31E-04
2.61E+02	2.49E-04	-1.03E-04	-2.62E-04
2.61E+02	3.57E-04	-6.37E-05	-1.97E-04
2.61E+02	4.19E-04	-2.46E-05	-1.20E-04
2.61E+02	4.55E-04	-1.91E-07	-5.57E-05
2.61E+02	5.11E-04	4.31E-05	-2.86E-06
2.61E+02	5.14E-04	7.38E-05	5.26E-05
2.61E+02	4.61E-04	6.62E-05	6.75E-05
2.61E+02	3.96E-04	8.20E-05	1.11E-04
2.61E+02	3.30E-04	1.02E-04	1.72E-04
2.61E+02	2.92E-04	1.00E-04	1.47E-04
2.61E+02	2.23E-04	7.99E-05	1.14E-04
2.61E+02	1.27E-04	4.58E-05	1.06E-04
2.61E+02	9.67E-05	3.66E-05	1.32E-04
2.61E+02	7.65E-05	3.13E-05	1.90E-04
2.61E+02	4.31E-05	-9.35E-06	1.73E-04
2.61E+02	5.25E-05	-4.67E-05	1.79E-04
2.61E+02	8.60E-05	-6.69E-05	2.10E-04
2.61E+02	1.50E-04	-9.46E-05	1.31E-04
2.61E+02	1.91E-04	-1.16E-04	3.22E-05
2.61E+02	2.19E-04	-1.27E-04	-5.57E-05
2.61E+02	3.17E-04	-1.22E-04	-1.23E-04
2.61E+02	3.92E-04	-1.02E-04	-1.26E-04
2.61E+02	4.21E-04	-9.44E-05	-1.41E-04
2.61E+02	4.44E-04	-7.31E-05	-1.35E-04
2.61E+02	4.44E-04	-1.54E-05	-7.23E-05
2.61E+02	4.54E-04	4.35E-05	-3.62E-05
2.61E+02	4.18E-04	9.65E-05	1.54E-05
2.62E+02	3.38E-04	1.47E-04	1.03E-04
2.62E+02	3.19E-04	2.12E-04	1.97E-04
2.62E+02	3.14E-04	2.82E-04	3.08E-04
2.62E+02	2.93E-04	2.92E-04	3.39E-04
2.62E+02	3.07E-04	2.90E-04	3.33E-04
2.62E+02	3.55E-04	3.19E-04	4.04E-04
2.62E+02	4.41E-04	3.41E-04	4.50E-04

2.62E+02	5.10E-04	3.52E-04	4.36E-04
2.62E+02	5.44E-04	3.49E-04	4.03E-04
2.62E+02	6.22E-04	3.39E-04	3.31E-04
2.62E+02	6.73E-04	3.14E-04	2.46E-04
2.62E+02	6.60E-04	2.39E-04	1.22E-04
2.62E+02	6.46E-04	1.52E-04	1.30E-05
2.62E+02	6.34E-04	9.65E-05	4.54E-05
2.62E+02	6.37E-04	3.07E-05	8.34E-05
2.62E+02	6.27E-04	-5.70E-05	9.16E-05
2.62E+02	5.55E-04	-1.41E-04	1.22E-04
2.62E+02	4.99E-04	-1.88E-04	9.37E-05
2.62E+02	4.72E-04	-1.64E-04	5.76E-05
2.62E+02	3.93E-04	-1.40E-04	-7.76E-05
2.62E+02	3.34E-04	-1.12E-04	-2.90E-04
2.62E+02	3.29E-04	-2.54E-05	-3.68E-04
2.62E+02	3.48E-04	4.86E-05	-4.03E-04
2.62E+02	3.85E-04	8.83E-05	-3.95E-04
2.62E+02	3.79E-04	1.05E-04	-2.91E-04
2.62E+02	4.00E-04	1.00E-04	-1.88E-04
2.62E+02	4.55E-04	1.11E-04	-8.87E-05
2.62E+02	4.40E-04	1.09E-04	-5.32E-05
2.62E+02	4.06E-04	1.01E-04	-1.08E-04
2.62E+02	3.72E-04	1.34E-04	-1.23E-04
2.62E+02	3.31E-04	1.75E-04	-1.32E-04
2.62E+02	2.75E-04	1.87E-04	-1.63E-04
2.62E+02	1.59E-04	1.66E-04	-1.57E-04
2.62E+02	6.96E-05	1.37E-04	-1.31E-04
2.62E+02	3.55E-05	1.15E-04	-5.42E-05
2.62E+02	-1.93E-05	4.29E-05	-6.87E-06
2.62E+02	-3.93E-05	-5.80E-05	-3.15E-05
2.62E+02	-7.82E-06	-1.19E-04	1.93E-05
2.62E+02	4.96E-05	-1.27E-04	8.85E-05
2.62E+02	1.28E-04	-8.05E-05	1.19E-04
2.62E+02	1.46E-04	-4.58E-06	1.57E-04
2.62E+02	1.64E-04	8.75E-05	1.54E-04
2.62E+02	2.23E-04	1.97E-04	1.37E-04
2.62E+02	2.31E-04	2.73E-04	1.08E-04
2.62E+02	2.32E-04	3.03E-04	3.78E-05
2.62E+02	2.53E-04	3.42E-04	1.60E-05
2.62E+02	2.78E-04	3.72E-04	-1.34E-05
2.62E+02	3.14E-04	3.81E-04	-1.17E-04
2.62E+02	2.89E-04	3.71E-04	-1.90E-04
2.62E+02	2.68E-04	3.36E-04	-2.19E-04
2.62E+02	3.11E-04	3.16E-04	-1.88E-04
2.62E+02	3.26E-04	2.66E-04	-1.29E-04
2.62E+02	3.36E-04	1.64E-04	-1.39E-04
2.62E+02	3.64E-04	8.83E-05	-1.10E-04

2.62E+02	3.93E-04	4.31E-05	-2.84E-05
2.62E+02	4.01E-04	2.19E-05	8.39E-06
2.62E+02	3.24E-04	1.93E-05	2.82E-05
2.62E+02	2.23E-04	1.54E-05	9.54E-06
2.62E+02	1.63E-04	3.24E-05	-3.81E-06
2.62E+02	8.70E-05	3.91E-05	3.41E-05
2.62E+02	5.34E-06	2.48E-06	1.68E-05
2.62E+02	-4.44E-05	-2.98E-05	7.63E-07
2.62E+02	-7.95E-05	-5.13E-05	1.34E-05
2.62E+02	-9.46E-05	-6.66E-05	-3.17E-05
2.62E+02	-1.26E-04	-6.52E-05	-4.69E-05
2.62E+02	-1.62E-04	-4.46E-05	-3.81E-05
2.62E+02	-1.39E-04	3.24E-05	-3.57E-05
2.62E+02	-1.52E-04	1.04E-04	-5.93E-05
2.62E+02	-1.91E-04	1.17E-04	-1.86E-04
2.62E+02	-1.64E-04	1.29E-04	-2.91E-04
2.62E+02	-1.38E-04	1.16E-04	-3.23E-04
2.62E+02	-1.18E-04	4.69E-05	-3.62E-04
2.62E+02	-1.29E-04	-7.06E-05	-3.75E-04
2.62E+02	-1.63E-04	-2.25E-04	-3.76E-04
2.62E+02	-1.35E-04	-3.64E-04	-3.73E-04
2.62E+02	-1.13E-04	-4.77E-04	-3.47E-04
2.62E+02	-1.21E-04	-5.92E-04	-3.90E-04
2.62E+02	-1.20E-04	-6.60E-04	-4.33E-04
2.62E+02	-1.09E-04	-6.60E-04	-4.17E-04
2.62E+02	-7.61E-05	-6.33E-04	-4.53E-04
2.62E+02	-6.10E-05	-5.74E-04	-4.57E-04
2.62E+02	-5.66E-05	-4.83E-04	-4.04E-04
2.62E+02	-4.96E-06	-3.50E-04	-3.13E-04
2.62E+02	2.17E-05	-2.01E-04	-1.85E-04
2.62E+02	-1.11E-05	-1.04E-04	-1.80E-04
2.62E+02	-3.24E-05	-1.95E-05	-1.92E-04
2.62E+02	-5.80E-05	8.41E-05	-1.23E-04
2.62E+02	-7.99E-05	1.47E-04	-1.03E-04
2.62E+02	-1.18E-04	1.83E-04	-7.93E-05
2.62E+02	-1.94E-04	1.89E-04	-6.43E-05
2.62E+02	-1.93E-04	1.52E-04	-9.86E-05
2.62E+02	-1.53E-04	1.10E-04	-1.11E-04
2.62E+02	-1.51E-04	8.77E-06	-2.02E-04
2.62E+02	-1.21E-04	-1.02E-04	-3.48E-04
2.62E+02	-5.02E-05	-1.50E-04	-4.52E-04
2.62E+02	5.49E-05	-1.91E-04	-6.19E-04
2.62E+02	1.49E-04	-2.12E-04	-7.85E-04
2.62E+02	1.94E-04	-2.12E-04	-8.88E-04
2.62E+02	2.63E-04	-1.91E-04	-9.35E-04
2.62E+02	3.14E-04	-1.60E-04	-8.72E-04
2.62E+02	3.02E-04	-1.89E-04	-7.90E-04

2.62E+02	2.86E-04	-2.50E-04	-6.88E-04
2.62E+02	2.65E-04	-2.96E-04	-5.16E-04
2.62E+02	2.63E-04	-3.33E-04	-3.75E-04
2.62E+02	2.48E-04	-3.48E-04	-2.63E-04
2.62E+02	1.95E-04	-3.46E-04	-1.70E-04
2.62E+02	2.07E-04	-3.18E-04	-1.21E-04
2.62E+02	2.57E-04	-2.60E-04	-4.84E-05
2.62E+02	2.75E-04	-2.33E-04	5.15E-06
2.62E+02	2.97E-04	-2.37E-04	3.15E-05
2.62E+02	3.21E-04	-2.44E-04	1.13E-04
2.62E+02	3.52E-04	-2.63E-04	1.27E-04
2.62E+02	3.47E-04	-2.58E-04	7.92E-05
2.62E+02	2.62E-04	-2.17E-04	8.16E-05
2.62E+02	1.84E-04	-1.37E-04	1.00E-04
2.62E+02	8.05E-05	-1.41E-05	1.46E-04
2.62E+02	-9.61E-05	5.99E-05	1.31E-04
2.62E+02	-2.80E-04	6.81E-05	1.81E-05
2.62E+02	-4.72E-04	6.18E-05	-7.34E-05
2.62E+02	-6.20E-04	3.11E-05	-1.64E-04
2.62E+02	-7.52E-04	-4.20E-06	-2.52E-04
2.62E+02	-9.17E-04	-1.49E-05	-2.84E-04
2.62E+02	-9.88E-04	1.14E-05	-2.82E-04
2.62E+02	-1.01E-03	6.28E-05	-2.32E-04
2.62E+02	-1.07E-03	8.74E-05	-1.91E-04
2.62E+02	-1.09E-03	9.94E-05	-2.06E-04
2.62E+02	-1.07E-03	1.47E-04	-1.58E-04
2.62E+02	-9.84E-04	2.13E-04	-1.02E-04
2.62E+02	-8.41E-04	2.92E-04	-9.92E-05
2.62E+02	-7.00E-04	3.89E-04	-6.07E-05
2.62E+02	-5.22E-04	4.94E-04	-1.70E-05
2.62E+02	-3.15E-04	6.08E-04	5.28E-05
2.62E+02	-1.83E-04	6.62E-04	8.91E-05
2.62E+02	-9.06E-05	6.37E-04	2.27E-05
2.62E+02	-7.44E-06	6.15E-04	-1.18E-05
2.62E+02	3.59E-05	5.88E-04	-4.48E-05
2.62E+02	4.69E-05	5.49E-04	-1.02E-04
2.62E+02	5.72E-07	5.21E-04	-1.03E-04
2.62E+02	-7.42E-05	4.66E-04	-1.12E-04
2.62E+02	-1.31E-04	4.12E-04	-9.04E-05
2.62E+02	-2.25E-04	3.51E-04	-2.78E-05
2.62E+02	-3.53E-04	2.56E-04	-3.11E-05
2.62E+02	-4.64E-04	1.98E-04	-1.96E-05
2.62E+02	-5.32E-04	1.75E-04	-2.19E-05
2.62E+02	-5.49E-04	1.55E-04	-8.79E-05
2.62E+02	-5.82E-04	1.40E-04	-1.13E-04
2.62E+02	-5.94E-04	1.25E-04	-1.34E-04
2.62E+02	-5.40E-04	1.21E-04	-1.51E-04

2.62E+02	-5.11E-04	1.09E-04	-1.63E-04
2.62E+02	-4.94E-04	5.49E-05	-2.43E-04
2.62E+02	-4.51E-04	8.20E-06	-2.88E-04
2.62E+02	-4.10E-04	2.48E-06	-2.89E-04
2.62E+02	-3.73E-04	2.50E-05	-3.17E-04
2.62E+02	-3.93E-04	8.39E-05	-3.19E-04
2.62E+02	-4.26E-04	1.67E-04	-3.09E-04
2.62E+02	-4.09E-04	2.70E-04	-2.68E-04
2.62E+02	-4.25E-04	3.69E-04	-1.68E-04
2.62E+02	-4.71E-04	4.33E-04	-6.85E-05
2.62E+02	-5.26E-04	4.65E-04	4.84E-05
2.62E+02	-5.79E-04	4.67E-04	1.50E-04
2.62E+02	-5.86E-04	4.49E-04	1.68E-04
2.62E+02	-6.32E-04	3.92E-04	1.85E-04
2.62E+02	-6.92E-04	3.18E-04	2.19E-04
2.62E+02	-6.89E-04	2.67E-04	2.39E-04
2.62E+02	-7.01E-04	2.08E-04	2.44E-04
2.62E+02	-7.21E-04	1.36E-04	1.90E-04
2.62E+02	-6.95E-04	7.76E-05	1.69E-04
2.62E+02	-6.29E-04	4.58E-05	2.21E-04
2.62E+02	-5.34E-04	3.74E-05	2.36E-04
2.62E+02	-4.60E-04	5.89E-05	2.12E-04
2.62E+02	-3.94E-04	1.10E-04	1.40E-04
2.62E+02	-2.79E-04	1.80E-04	4.43E-05
2.62E+02	-1.76E-04	2.60E-04	-6.29E-06
2.62E+02	-1.31E-04	2.99E-04	-7.08E-05
2.62E+02	-1.12E-04	2.94E-04	-1.10E-04
2.62E+02	-1.14E-04	2.73E-04	-8.41E-05
2.62E+02	-1.40E-04	2.02E-04	-1.31E-04
2.62E+02	-2.17E-04	1.10E-04	-1.99E-04
2.62E+02	-3.15E-04	6.01E-05	-2.07E-04
2.62E+02	-3.65E-04	6.81E-05	-2.04E-04
2.62E+02	-4.07E-04	1.21E-04	-1.67E-04
2.62E+02	-4.59E-04	1.50E-04	-1.87E-04
2.62E+02	-4.63E-04	1.68E-04	-2.43E-04
2.62E+02	-4.41E-04	1.82E-04	-2.00E-04
2.62E+02	-4.06E-04	1.42E-04	-1.45E-04
2.62E+02	-3.91E-04	6.33E-05	-8.85E-05
2.62E+02	-4.29E-04	-4.04E-05	-2.38E-05
2.62E+02	-4.30E-04	-1.38E-04	-8.77E-06
2.62E+02	-4.23E-04	-2.18E-04	2.75E-05
2.62E+02	-4.71E-04	-3.15E-04	5.87E-05
2.62E+02	-5.22E-04	-3.89E-04	1.11E-04
2.62E+02	-5.50E-04	-4.01E-04	2.74E-04
2.62E+02	-5.44E-04	-3.95E-04	3.62E-04
2.62E+02	-5.36E-04	-3.93E-04	3.44E-04
2.62E+02	-5.31E-04	-3.87E-04	3.24E-04

2.62E+02	-4.58E-04	-3.62E-04	2.89E-04
2.62E+02	-3.67E-04	-3.21E-04	3.00E-04
2.62E+02	-3.20E-04	-3.25E-04	2.80E-04
2.62E+02	-2.72E-04	-3.66E-04	2.27E-04
2.62E+02	-2.35E-04	-3.77E-04	2.56E-04
2.63E+02	-2.25E-04	-3.87E-04	2.79E-04
2.63E+02	-2.41E-04	-3.85E-04	3.13E-04
2.63E+02	-3.16E-04	-3.60E-04	3.79E-04
2.63E+02	-3.74E-04	-3.26E-04	3.83E-04
2.63E+02	-3.89E-04	-2.69E-04	3.66E-04
2.63E+02	-4.36E-04	-2.34E-04	3.06E-04
2.63E+02	-4.67E-04	-1.92E-04	2.12E-04
2.63E+02	-4.65E-04	-1.04E-04	1.93E-04
2.63E+02	-4.40E-04	-1.79E-05	1.72E-04
2.63E+02	-4.08E-04	7.72E-05	1.31E-04
2.63E+02	-4.28E-04	1.77E-04	1.41E-04
2.63E+02	-4.31E-04	2.89E-04	1.71E-04
2.63E+02	-4.06E-04	4.39E-04	2.59E-04
2.63E+02	-4.35E-04	5.50E-04	3.41E-04
2.63E+02	-4.77E-04	6.10E-04	3.50E-04
2.63E+02	-5.20E-04	6.58E-04	3.90E-04
2.63E+02	-5.67E-04	6.65E-04	4.28E-04
2.63E+02	-6.19E-04	6.38E-04	4.35E-04
2.63E+02	-7.09E-04	5.86E-04	4.53E-04
2.63E+02	-7.51E-04	5.03E-04	4.34E-04
2.63E+02	-7.27E-04	4.22E-04	4.16E-04
2.63E+02	-7.15E-04	3.40E-04	3.93E-04
2.63E+02	-6.94E-04	2.50E-04	3.14E-04
2.63E+02	-6.56E-04	1.87E-04	2.88E-04
2.63E+02	-5.93E-04	1.53E-04	2.85E-04
2.63E+02	-5.14E-04	1.11E-04	2.42E-04
2.63E+02	-4.55E-04	8.49E-05	2.46E-04
2.63E+02	-3.78E-04	8.32E-05	2.61E-04
2.63E+02	-2.54E-04	1.21E-04	3.15E-04
2.63E+02	-1.57E-04	1.69E-04	3.77E-04
2.63E+02	-1.17E-04	1.51E-04	3.26E-04
2.63E+02	-8.68E-05	1.26E-04	3.06E-04
2.63E+02	-7.08E-05	1.08E-04	3.21E-04
2.63E+02	-8.09E-05	7.34E-05	2.90E-04
2.63E+02	-1.46E-04	4.52E-05	2.86E-04
2.63E+02	-2.18E-04	1.30E-05	2.79E-04
2.63E+02	-2.38E-04	4.01E-06	2.67E-04
2.63E+02	-2.92E-04	5.53E-06	2.39E-04
2.63E+02	-3.51E-04	-3.81E-07	1.66E-04
2.63E+02	-3.78E-04	4.33E-05	1.96E-04
2.63E+02	-4.01E-04	1.19E-04	3.17E-04
2.63E+02	-4.12E-04	1.68E-04	3.83E-04

2.63E+02	-4.80E-04	2.14E-04	4.59E-04
2.63E+02	-5.72E-04	2.75E-04	5.16E-04
2.63E+02	-6.26E-04	3.52E-04	5.31E-04
2.63E+02	-7.04E-04	4.38E-04	5.39E-04
2.63E+02	-7.98E-04	4.63E-04	4.40E-04
2.63E+02	-8.60E-04	4.76E-04	3.91E-04
2.63E+02	-8.83E-04	4.93E-04	4.57E-04
2.63E+02	-8.74E-04	4.41E-04	4.47E-04
2.63E+02	-8.98E-04	3.41E-04	4.20E-04
2.63E+02	-9.42E-04	1.94E-04	3.62E-04
2.63E+02	-9.28E-04	3.41E-05	2.52E-04
2.63E+02	-9.14E-04	-9.96E-05	1.69E-04
2.63E+02	-9.23E-04	-2.05E-04	6.43E-05
2.63E+02	-9.02E-04	-2.31E-04	2.06E-05
2.63E+02	-8.59E-04	-1.87E-04	8.24E-05
2.63E+02	-8.07E-04	-1.24E-04	1.41E-04
2.63E+02	-7.94E-04	-7.13E-05	2.36E-04
2.63E+02	-8.13E-04	-3.87E-05	3.45E-04
2.63E+02	-8.00E-04	-9.73E-06	3.97E-04
2.63E+02	-8.01E-04	3.81E-07	3.85E-04
2.63E+02	-8.15E-04	-3.51E-05	2.63E-04
2.63E+02	-7.82E-04	-8.34E-05	1.70E-04
2.63E+02	-7.09E-04	-1.16E-04	1.94E-04
2.63E+02	-6.21E-04	-1.43E-04	2.02E-04
2.63E+02	-5.69E-04	-1.56E-04	1.91E-04
2.63E+02	-5.46E-04	-1.48E-04	1.55E-04
2.63E+02	-4.87E-04	-9.88E-05	9.75E-05
2.63E+02	-4.47E-04	-2.78E-05	8.68E-05
2.63E+02	-4.52E-04	8.01E-06	4.98E-05
2.63E+02	-4.46E-04	4.12E-05	3.07E-05
2.63E+02	-4.43E-04	8.54E-05	7.59E-05
2.63E+02	-4.27E-04	9.67E-05	4.52E-05
2.63E+02	-4.19E-04	8.83E-05	-2.59E-05
2.63E+02	-4.34E-04	7.92E-05	-6.96E-05
2.63E+02	-3.93E-04	8.62E-05	-8.64E-05
2.63E+02	-3.46E-04	9.80E-05	-5.46E-05
2.63E+02	-3.45E-04	5.68E-05	-8.35E-05
2.63E+02	-3.42E-04	-1.68E-05	-1.55E-04
2.63E+02	-3.55E-04	-8.68E-05	-1.67E-04
2.63E+02	-3.83E-04	-1.72E-04	-1.97E-04
2.63E+02	-4.43E-04	-2.70E-04	-2.19E-04
2.63E+02	-5.38E-04	-3.69E-04	-1.97E-04
2.63E+02	-5.59E-04	-4.52E-04	-1.71E-04
2.63E+02	-5.40E-04	-5.13E-04	-9.56E-05
2.63E+02	-5.39E-04	-5.88E-04	-7.86E-05
2.63E+02	-5.11E-04	-6.60E-04	-1.52E-04
2.63E+02	-4.76E-04	-6.87E-04	-1.79E-04

2.63E+02	-4.44E-04	-7.10E-04	-2.49E-04
2.63E+02	-4.30E-04	-7.25E-04	-3.33E-04
2.63E+02	-4.54E-04	-7.00E-04	-3.30E-04
2.63E+02	-4.57E-04	-6.31E-04	-3.05E-04
2.63E+02	-4.45E-04	-5.08E-04	-2.19E-04
2.63E+02	-4.62E-04	-3.98E-04	-1.19E-04
2.63E+02	-4.61E-04	-3.19E-04	-2.65E-05
2.63E+02	-4.26E-04	-2.23E-04	1.42E-04
2.63E+02	-3.70E-04	-1.41E-04	2.76E-04
2.63E+02	-3.18E-04	-7.93E-05	3.13E-04
2.63E+02	-3.14E-04	-2.98E-05	2.68E-04
2.63E+02	-2.89E-04	1.75E-05	1.22E-04
2.63E+02	-2.32E-04	8.03E-05	-4.41E-05
2.63E+02	-2.28E-04	1.37E-04	-2.05E-04
2.63E+02	-2.33E-04	1.84E-04	-3.61E-04
2.63E+02	-2.33E-04	2.39E-04	-4.05E-04
2.63E+02	-2.34E-04	2.79E-04	-4.10E-04
2.63E+02	-2.39E-04	2.89E-04	-4.22E-04
2.63E+02	-3.21E-04	2.66E-04	-3.46E-04
2.63E+02	-4.06E-04	2.34E-04	-2.33E-04
2.63E+02	-4.64E-04	2.18E-04	-1.12E-04
2.63E+02	-5.61E-04	1.76E-04	-5.76E-05
2.63E+02	-6.20E-04	1.10E-04	-8.34E-05
2.63E+02	-6.44E-04	4.54E-05	-7.19E-05
2.63E+02	-6.52E-04	-3.38E-05	-9.56E-05
2.63E+02	-6.25E-04	-1.10E-04	-1.63E-04
2.63E+02	-6.36E-04	-1.95E-04	-2.09E-04
2.63E+02	-6.24E-04	-2.79E-04	-2.75E-04
2.63E+02	-5.60E-04	-3.32E-04	-3.14E-04
2.63E+02	-5.29E-04	-3.86E-04	-3.28E-04
2.63E+02	-5.16E-04	-4.36E-04	-3.43E-04
2.63E+02	-5.07E-04	-4.45E-04	-2.73E-04
2.63E+02	-5.10E-04	-4.45E-04	-2.09E-04
2.63E+02	-5.15E-04	-4.56E-04	-2.53E-04
2.63E+02	-5.62E-04	-4.65E-04	-3.15E-04
2.63E+02	-5.98E-04	-4.63E-04	-3.75E-04
2.63E+02	-5.71E-04	-4.30E-04	-3.93E-04
2.63E+02	-5.74E-04	-4.05E-04	-3.65E-04
2.63E+02	-6.00E-04	-4.18E-04	-3.70E-04
2.63E+02	-6.10E-04	-4.23E-04	-3.28E-04
2.63E+02	-6.20E-04	-4.14E-04	-2.52E-04
2.63E+02	-6.44E-04	-4.02E-04	-2.28E-04
2.63E+02	-7.27E-04	-3.78E-04	-1.96E-04
2.63E+02	-8.12E-04	-3.36E-04	-1.75E-04
2.63E+02	-8.52E-04	-2.65E-04	-1.65E-04
2.63E+02	-9.02E-04	-1.71E-04	-1.41E-04
2.63E+02	-9.55E-04	-1.11E-04	-1.91E-04

2.63E+02	-9.66E-04	-4.84E-05	-2.09E-04
2.63E+02	-9.26E-04	1.54E-05	-1.79E-04
2.63E+02	-8.59E-04	2.12E-05	-2.04E-04
2.63E+02	-8.15E-04	1.45E-05	-1.73E-04
2.63E+02	-7.73E-04	3.81E-06	-1.27E-04
2.63E+02	-7.06E-04	4.96E-06	-1.13E-04
2.63E+02	-6.80E-04	2.04E-05	-1.22E-04
2.63E+02	-6.79E-04	5.72E-07	-2.35E-04
2.63E+02	-6.46E-04	6.48E-06	-3.15E-04
2.63E+02	-5.86E-04	3.91E-05	-2.86E-04
2.63E+02	-5.01E-04	6.43E-05	-2.55E-04
2.63E+02	-4.58E-04	9.27E-05	-2.10E-04
2.63E+02	-4.52E-04	9.54E-05	-1.73E-04
2.63E+02	-4.00E-04	1.04E-04	-1.55E-04
2.63E+02	-3.70E-04	1.07E-04	-1.26E-04
2.63E+02	-3.84E-04	7.95E-05	-1.55E-04
2.63E+02	-3.59E-04	7.86E-05	-1.63E-04
2.63E+02	-3.08E-04	7.71E-05	-1.44E-04
2.63E+02	-2.31E-04	5.38E-05	-2.00E-04
2.63E+02	-1.44E-04	3.19E-05	-2.13E-04
2.63E+02	-5.80E-05	1.53E-06	-1.90E-04
2.63E+02	8.77E-05	3.81E-07	-1.57E-04
2.63E+02	2.39E-04	1.60E-05	-9.77E-05
2.63E+02	3.53E-04	-9.16E-06	-1.32E-04
2.63E+02	4.70E-04	-4.06E-05	-1.62E-04
2.63E+02	5.66E-04	-6.52E-05	-1.13E-04
2.63E+02	6.30E-04	-1.06E-04	-9.56E-05
2.63E+02	6.20E-04	-1.58E-04	-7.61E-05
2.63E+02	5.34E-04	-2.19E-04	-5.09E-05
2.63E+02	4.83E-04	-2.56E-04	-2.57E-05
2.63E+02	4.26E-04	-2.77E-04	1.64E-05
2.63E+02	3.20E-04	-3.22E-04	-3.83E-05
2.63E+02	2.40E-04	-3.43E-04	-1.37E-04
2.63E+02	1.83E-04	-3.32E-04	-1.63E-04
2.63E+02	1.61E-04	-3.31E-04	-1.92E-04
2.63E+02	1.34E-04	-3.35E-04	-1.96E-04
2.63E+02	6.16E-05	-3.44E-04	-1.44E-04
2.63E+02	5.82E-05	-3.43E-04	-9.19E-05
2.63E+02	8.51E-05	-3.32E-04	-2.48E-05
2.63E+02	8.83E-05	-3.46E-04	-9.16E-06
2.63E+02	1.32E-04	-3.74E-04	-4.16E-05
2.63E+02	1.96E-04	-3.88E-04	-5.59E-05
2.63E+02	2.65E-04	-3.96E-04	-1.22E-04
2.63E+02	3.00E-04	-4.01E-04	-1.79E-04
2.63E+02	2.86E-04	-4.02E-04	-1.75E-04
2.63E+02	3.04E-04	-3.96E-04	-1.60E-04
2.63E+02	3.21E-04	-3.68E-04	-9.67E-05

2.63E+02	2.73E-04	-3.53E-04	-7.93E-05
2.63E+02	2.20E-04	-3.38E-04	-1.05E-04
2.63E+02	1.67E-04	-2.75E-04	-6.20E-05
2.63E+02	1.30E-04	-1.93E-04	-5.57E-05
2.63E+02	1.10E-04	-9.27E-05	-4.23E-05
2.63E+02	3.72E-05	-2.27E-05	3.55E-05
2.63E+02	1.72E-05	1.87E-05	1.16E-04
2.63E+02	4.58E-05	7.13E-05	2.09E-04
2.63E+02	2.02E-05	3.99E-05	1.94E-04
2.63E+02	2.35E-05	-4.54E-05	1.19E-04
2.63E+02	4.41E-05	-1.35E-04	1.25E-04
2.63E+02	5.84E-05	-2.46E-04	1.15E-04
2.63E+02	5.28E-05	-3.30E-04	8.11E-05
2.63E+02	-2.73E-05	-3.95E-04	4.63E-05
2.63E+02	-9.65E-05	-4.42E-04	-1.91E-05
2.63E+02	-1.42E-04	-4.46E-04	-6.26E-05
2.63E+02	-2.16E-04	-4.46E-04	-1.19E-04
2.64E+02	-2.66E-04	-4.31E-04	-1.96E-04
2.64E+02	-2.85E-04	-3.88E-04	-2.11E-04
2.64E+02	-2.70E-04	-3.61E-04	-2.42E-04
2.64E+02	-2.35E-04	-3.64E-04	-3.02E-04
2.64E+02	-2.43E-04	-3.98E-04	-3.04E-04
2.64E+02	-2.25E-04	-4.49E-04	-2.64E-04
2.64E+02	-1.72E-04	-5.06E-04	-1.90E-04
2.64E+02	-1.62E-04	-6.02E-04	-1.44E-04
2.64E+02	-1.34E-04	-7.14E-04	-1.41E-04
2.64E+02	-7.48E-05	-7.97E-04	-7.15E-05
2.64E+02	-1.72E-06	-8.51E-04	1.56E-05
2.64E+02	8.47E-05	-8.69E-04	8.77E-05
2.64E+02	1.15E-04	-8.57E-04	1.85E-04
2.64E+02	1.38E-04	-8.28E-04	2.33E-04
2.64E+02	1.85E-04	-7.67E-04	2.42E-04
2.64E+02	1.71E-04	-7.05E-04	2.26E-04
2.64E+02	1.30E-04	-6.56E-04	1.38E-04
2.64E+02	1.09E-04	-5.76E-04	8.41E-05
2.64E+02	9.75E-05	-4.96E-04	5.42E-05
2.64E+02	9.77E-05	-4.38E-04	-3.59E-05
2.64E+02	5.61E-05	-4.01E-04	-9.86E-05
2.64E+02	4.39E-06	-3.90E-04	-1.17E-04
2.64E+02	1.53E-06	-3.67E-04	-9.52E-05
2.64E+02	-2.56E-05	-3.60E-04	-4.43E-05
2.64E+02	-6.48E-05	-3.94E-04	-2.94E-05
2.64E+02	-6.87E-05	-4.20E-04	3.36E-05
2.64E+02	-5.72E-05	-4.41E-04	1.14E-04
2.64E+02	-4.54E-05	-4.61E-04	1.14E-04
2.64E+02	-7.72E-05	-4.74E-04	1.08E-04
2.64E+02	-1.13E-04	-4.88E-04	8.79E-05

2.64E+02	-1.06E-04	-4.83E-04	7.17E-05
2.64E+02	-1.15E-04	-4.73E-04	9.02E-05
2.64E+02	-1.36E-04	-4.78E-04	4.60E-05
2.64E+02	-1.46E-04	-4.60E-04	1.32E-05
2.64E+02	-1.32E-04	-4.40E-04	2.80E-05
2.64E+02	-8.13E-05	-4.54E-04	-2.27E-05
2.64E+02	-5.72E-05	-4.93E-04	-7.00E-05
2.64E+02	-3.41E-05	-5.34E-04	-9.19E-05
2.64E+02	6.45E-05	-5.34E-04	-9.84E-05
2.64E+02	1.59E-04	-5.26E-04	-7.90E-05
2.64E+02	2.36E-04	-5.46E-04	-1.39E-04
2.64E+02	3.44E-04	-5.42E-04	-1.81E-04
2.64E+02	4.62E-04	-5.21E-04	-1.66E-04
2.64E+02	5.79E-04	-4.98E-04	-1.87E-04
2.64E+02	6.44E-04	-4.57E-04	-1.54E-04
2.64E+02	6.71E-04	-4.10E-04	-1.26E-04
2.64E+02	7.27E-04	-3.45E-04	-1.48E-04
2.64E+02	7.31E-04	-2.81E-04	-1.43E-04
2.64E+02	6.69E-04	-2.52E-04	-1.58E-04
2.64E+02	6.06E-04	-2.24E-04	-1.23E-04
2.64E+02	5.17E-04	-1.88E-04	-2.21E-05
2.64E+02	4.28E-04	-1.63E-04	1.58E-05
2.64E+02	3.03E-04	-1.53E-04	3.09E-05
2.64E+02	1.52E-04	-1.42E-04	4.06E-05
2.64E+02	8.81E-05	-8.32E-05	3.19E-05
2.64E+02	3.53E-05	-3.43E-06	4.79E-05
2.64E+02	-3.99E-05	4.18E-05	2.54E-05
2.64E+02	-6.58E-05	7.72E-05	-1.54E-05
2.64E+02	-6.68E-05	1.08E-04	-3.05E-06
2.64E+02	-4.63E-05	1.13E-04	2.48E-06
2.64E+02	-3.89E-05	9.06E-05	2.14E-05
2.64E+02	-6.41E-05	2.40E-05	5.59E-05
2.64E+02	-4.10E-05	-6.31E-05	4.48E-05
2.64E+02	-9.54E-06	-1.42E-04	4.86E-05
2.64E+02	-2.14E-05	-2.30E-04	4.33E-05
2.64E+02	-8.39E-06	-2.95E-04	4.10E-05
2.64E+02	2.98E-05	-3.06E-04	1.17E-04
2.64E+02	8.01E-05	-3.03E-04	1.32E-04
2.64E+02	9.90E-05	-3.04E-04	8.81E-05
2.64E+02	5.42E-05	-3.10E-04	9.29E-05
2.64E+02	3.45E-05	-3.11E-04	1.03E-04
2.64E+02	1.62E-05	-3.02E-04	1.32E-04
2.64E+02	-4.67E-05	-3.27E-04	1.26E-04
2.64E+02	-8.93E-05	-3.65E-04	1.01E-04
2.64E+02	-9.99E-05	-3.61E-04	1.48E-04
2.64E+02	-7.00E-05	-3.43E-04	1.59E-04
2.64E+02	-2.69E-05	-3.04E-04	1.51E-04

2.64E+02	-1.53E-05	-2.71E-04	1.52E-04
2.64E+02	4.43E-05	-2.73E-04	7.23E-05
2.64E+02	1.27E-04	-2.57E-04	-7.06E-06
2.64E+02	1.59E-04	-2.51E-04	-1.01E-04
2.64E+02	1.90E-04	-2.39E-04	-2.11E-04
2.64E+02	1.97E-04	-1.77E-04	-2.37E-04
2.64E+02	1.91E-04	-1.22E-04	-2.67E-04
2.64E+02	1.83E-04	-6.87E-05	-2.74E-04
2.64E+02	1.18E-04	-9.35E-06	-1.82E-04
2.64E+02	8.45E-05	5.34E-05	-9.67E-05
2.64E+02	9.23E-05	1.28E-04	-2.52E-05
2.64E+02	6.37E-05	1.50E-04	2.12E-05
2.64E+02	5.04E-05	1.17E-04	3.19E-05
2.64E+02	5.87E-05	6.77E-05	9.48E-05
2.64E+02	7.40E-05	-7.63E-06	1.21E-04
2.64E+02	8.01E-05	-8.98E-05	8.75E-05
2.64E+02	4.04E-05	-1.68E-04	9.98E-05
2.64E+02	4.25E-05	-2.41E-04	1.17E-04
2.64E+02	9.29E-05	-2.81E-04	1.52E-04
2.64E+02	1.20E-04	-3.03E-04	1.91E-04
2.64E+02	1.69E-04	-3.09E-04	1.84E-04
2.64E+02	2.50E-04	-2.66E-04	2.54E-04
2.64E+02	3.57E-04	-2.10E-04	3.23E-04
2.64E+02	4.84E-04	-1.79E-04	2.88E-04
2.64E+02	5.59E-04	-1.71E-04	2.50E-04
2.64E+02	6.23E-04	-1.81E-04	2.14E-04
2.64E+02	7.15E-04	-2.00E-04	1.80E-04
2.64E+02	7.61E-04	-2.50E-04	9.00E-05
2.64E+02	7.97E-04	-3.24E-04	-6.31E-05
2.64E+02	8.58E-04	-3.70E-04	-1.24E-04
2.64E+02	9.18E-04	-3.95E-04	-1.55E-04
2.64E+02	9.65E-04	-3.97E-04	-2.05E-04
2.64E+02	9.36E-04	-3.68E-04	-2.19E-04
2.64E+02	8.95E-04	-3.10E-04	-2.47E-04
2.64E+02	8.58E-04	-2.29E-04	-2.74E-04
2.64E+02	7.55E-04	-1.62E-04	-2.99E-04
2.64E+02	6.59E-04	-1.10E-04	-3.48E-04
2.64E+02	5.86E-04	-4.02E-05	-3.21E-04
2.64E+02	5.46E-04	2.27E-05	-2.17E-04
2.64E+02	5.56E-04	5.26E-05	-1.44E-04
2.64E+02	5.32E-04	6.79E-05	-6.75E-05
2.64E+02	5.10E-04	9.35E-05	7.06E-06
2.64E+02	5.36E-04	1.55E-04	6.64E-05
2.64E+02	5.21E-04	2.12E-04	9.94E-05
2.64E+02	4.61E-04	2.33E-04	1.79E-05
2.64E+02	4.09E-04	2.62E-04	-6.69E-05
2.64E+02	3.59E-04	3.05E-04	-1.08E-04

2.64E+02	3.06E-04	3.35E-04	-1.80E-04
2.64E+02	2.18E-04	3.48E-04	-1.96E-04
2.64E+02	1.21E-04	3.53E-04	-1.55E-04
2.64E+02	6.07E-05	3.67E-04	-8.32E-05
2.64E+02	-3.57E-05	3.60E-04	-1.41E-05
2.64E+02	-1.54E-04	3.34E-04	-3.28E-05
2.64E+02	-2.14E-04	3.49E-04	-4.46E-05
2.64E+02	-2.37E-04	3.74E-04	-5.15E-05
2.64E+02	-2.12E-04	3.75E-04	-1.17E-04
2.64E+02	-1.70E-04	3.78E-04	-1.30E-04
2.64E+02	-1.25E-04	3.74E-04	-1.07E-04
2.64E+02	-2.96E-05	3.54E-04	-9.80E-05
2.64E+02	3.80E-05	3.03E-04	-1.05E-04
2.64E+02	6.39E-05	1.91E-04	-1.79E-04
2.64E+02	1.08E-04	5.34E-05	-2.21E-04
2.64E+02	1.65E-04	-6.16E-05	-1.56E-04
2.64E+02	2.26E-04	-1.70E-04	-7.59E-05
2.64E+02	2.51E-04	-2.63E-04	-4.96E-06
2.64E+02	2.61E-04	-3.25E-04	5.46E-05
2.64E+02	3.24E-04	-3.45E-04	1.05E-04
2.64E+02	3.85E-04	-3.05E-04	1.56E-04
2.64E+02	4.24E-04	-2.46E-04	1.30E-04
2.64E+02	4.76E-04	-1.51E-04	8.24E-05
2.64E+02	5.27E-04	-1.81E-05	8.91E-05
2.64E+02	5.87E-04	7.78E-05	5.47E-05
2.64E+02	6.01E-04	1.47E-04	3.15E-05
2.64E+02	5.51E-04	2.00E-04	6.87E-05
2.64E+02	5.19E-04	2.35E-04	1.22E-04
2.64E+02	4.79E-04	2.81E-04	2.29E-04
2.64E+02	4.15E-04	2.86E-04	2.71E-04
2.64E+02	3.84E-04	2.82E-04	2.52E-04
2.64E+02	4.03E-04	3.31E-04	2.94E-04
2.64E+02	4.70E-04	3.90E-04	2.97E-04
2.64E+02	5.27E-04	4.45E-04	2.78E-04
2.64E+02	5.52E-04	4.82E-04	2.57E-04
2.64E+02	6.10E-04	5.06E-04	1.97E-04
2.64E+02	6.72E-04	5.33E-04	1.87E-04
2.64E+02	6.87E-04	5.14E-04	1.67E-04
2.64E+02	6.98E-04	4.86E-04	1.38E-04
2.64E+02	7.18E-04	5.10E-04	1.99E-04
2.64E+02	7.45E-04	5.42E-04	2.48E-04
2.64E+02	7.61E-04	5.88E-04	2.96E-04
2.64E+02	7.32E-04	6.35E-04	3.76E-04
2.64E+02	7.26E-04	6.74E-04	4.35E-04
2.64E+02	7.39E-04	7.22E-04	5.02E-04
2.64E+02	6.82E-04	6.95E-04	4.48E-04
2.64E+02	6.20E-04	6.24E-04	2.98E-04

2.64E+02	5.86E-04	5.95E-04	2.20E-04
2.64E+02	5.46E-04	5.74E-04	1.40E-04
2.64E+02	4.98E-04	5.62E-04	6.81E-05
2.64E+02	4.13E-04	5.56E-04	4.84E-05
2.64E+02	3.67E-04	5.48E-04	2.69E-05
2.64E+02	3.63E-04	5.43E-04	1.26E-05
2.64E+02	3.16E-04	4.99E-04	-5.34E-05
2.64E+02	2.90E-04	4.16E-04	-1.74E-04
2.64E+02	3.02E-04	3.53E-04	-2.23E-04
2.64E+02	3.38E-04	3.08E-04	-2.61E-04
2.64E+02	3.73E-04	2.63E-04	-3.25E-04
2.64E+02	3.54E-04	2.41E-04	-3.11E-04
2.64E+02	3.48E-04	2.30E-04	-2.65E-04
2.64E+02	3.48E-04	2.18E-04	-1.82E-04
2.64E+02	2.96E-04	1.80E-04	-9.61E-05
2.64E+02	2.62E-04	1.15E-04	-9.19E-05
2.64E+02	2.66E-04	9.33E-05	-5.82E-05
2.64E+02	2.94E-04	1.13E-04	-1.37E-05
2.64E+02	3.37E-04	1.53E-04	-7.63E-07
2.64E+02	3.41E-04	2.13E-04	3.51E-05
2.64E+02	3.53E-04	2.64E-04	3.91E-05
2.64E+02	3.97E-04	3.10E-04	3.76E-05
2.64E+02	3.87E-04	3.35E-04	3.41E-05
2.64E+02	3.61E-04	3.25E-04	-1.35E-05
2.64E+02	3.45E-04	3.27E-04	4.01E-06
2.64E+02	3.43E-04	3.40E-04	4.48E-05
2.64E+02	3.55E-04	3.47E-04	5.53E-05
2.64E+02	3.22E-04	3.60E-04	1.37E-04
2.64E+02	3.12E-04	3.75E-04	2.37E-04
2.65E+02	3.43E-04	4.04E-04	3.30E-04
2.65E+02	3.36E-04	4.01E-04	3.50E-04
2.65E+02	3.40E-04	3.36E-04	2.10E-04
2.65E+02	3.69E-04	2.75E-04	8.07E-05
2.65E+02	4.14E-04	2.29E-04	6.10E-06
2.65E+02	4.69E-04	1.99E-04	-7.63E-05
2.65E+02	4.73E-04	1.79E-04	-1.24E-04
2.65E+02	4.65E-04	1.61E-04	-1.68E-04
2.65E+02	4.88E-04	1.70E-04	-1.82E-04
2.65E+02	4.71E-04	1.74E-04	-1.82E-04
2.65E+02	4.19E-04	1.58E-04	-2.29E-04
2.65E+02	3.71E-04	1.67E-04	-2.11E-04
2.65E+02	3.34E-04	1.84E-04	-1.58E-04
2.65E+02	3.08E-04	1.73E-04	-1.56E-04
2.65E+02	2.40E-04	1.50E-04	-1.25E-04
2.65E+02	1.74E-04	1.22E-04	-6.20E-05
2.65E+02	1.84E-04	1.15E-04	2.56E-05
2.65E+02	1.83E-04	9.16E-05	8.43E-05

2.65E+02	1.72E-04	1.16E-05	3.87E-05
2.65E+02	2.04E-04	-5.99E-05	2.67E-05
2.65E+02	2.46E-04	-1.25E-04	8.98E-05
2.65E+02	3.13E-04	-1.96E-04	1.27E-04
2.65E+02	3.28E-04	-2.59E-04	1.44E-04
2.65E+02	3.17E-04	-3.08E-04	1.63E-04
2.65E+02	3.91E-04	-2.93E-04	2.16E-04
2.65E+02	4.27E-04	-2.65E-04	2.72E-04
2.65E+02	4.28E-04	-2.65E-04	2.30E-04
2.65E+02	4.70E-04	-2.34E-04	1.80E-04
2.65E+02	5.07E-04	-1.77E-04	1.75E-04
2.65E+02	5.54E-04	-1.30E-04	1.09E-04
2.65E+02	5.64E-04	-8.43E-05	5.11E-05
2.65E+02	5.30E-04	-2.04E-05	6.41E-05
2.65E+02	5.36E-04	8.01E-05	1.23E-04
2.65E+02	5.08E-04	1.83E-04	2.12E-04
2.65E+02	4.32E-04	2.24E-04	2.32E-04
2.65E+02	3.78E-04	2.52E-04	2.17E-04
2.65E+02	3.29E-04	2.99E-04	2.22E-04
2.65E+02	2.98E-04	3.28E-04	1.82E-04
2.65E+02	2.45E-04	3.47E-04	1.47E-04
2.65E+02	1.89E-04	3.61E-04	1.45E-04
2.65E+02	2.20E-04	3.68E-04	1.32E-04
2.65E+02	2.61E-04	3.64E-04	1.52E-04
2.65E+02	2.97E-04	3.41E-04	1.58E-04
2.65E+02	3.70E-04	3.20E-04	1.27E-04
2.65E+02	4.53E-04	3.17E-04	1.42E-04
2.65E+02	5.63E-04	3.19E-04	9.56E-05
2.65E+02	6.40E-04	3.13E-04	6.87E-06
2.65E+02	6.39E-04	2.99E-04	-3.13E-05
2.65E+02	6.42E-04	3.01E-04	-3.26E-05
2.65E+02	6.07E-04	3.14E-04	4.41E-05
2.65E+02	4.86E-04	2.82E-04	9.48E-05
2.65E+02	3.56E-04	2.30E-04	1.23E-04
2.65E+02	2.21E-04	2.05E-04	2.10E-04
2.65E+02	9.10E-05	2.03E-04	2.56E-04
2.65E+02	-4.16E-05	2.39E-04	2.87E-04
2.65E+02	-1.84E-04	3.02E-04	3.07E-04
2.65E+02	-2.40E-04	3.67E-04	2.80E-04
2.65E+02	-2.45E-04	4.39E-04	2.87E-04
2.65E+02	-2.61E-04	4.59E-04	2.87E-04
2.65E+02	-2.40E-04	4.31E-04	2.61E-04
2.65E+02	-1.91E-04	3.96E-04	2.78E-04
2.65E+02	-1.10E-04	3.34E-04	2.50E-04
2.65E+02	-4.44E-05	2.66E-04	1.70E-04
2.65E+02	-3.97E-05	1.96E-04	8.43E-05
2.65E+02	-2.44E-05	1.63E-04	-2.00E-05

2.65E+02	-2.59E-05	1.97E-04	-8.58E-05
2.65E+02	-9.46E-05	2.32E-04	-1.73E-04
2.65E+02	-1.67E-04	2.78E-04	-2.75E-04
2.65E+02	-2.18E-04	3.62E-04	-2.56E-04
2.65E+02	-2.38E-04	4.57E-04	-2.27E-04
2.65E+02	-2.40E-04	5.54E-04	-2.44E-04
2.65E+02	-2.63E-04	6.42E-04	-2.37E-04
2.65E+02	-2.29E-04	7.30E-04	-2.17E-04
2.65E+02	-1.39E-04	8.16E-04	-1.29E-04
2.65E+02	-9.75E-05	8.54E-04	-2.75E-05
2.65E+02	-6.52E-05	8.49E-04	3.38E-05
2.65E+02	-3.43E-05	8.25E-04	1.33E-04
2.65E+02	-2.90E-05	7.63E-04	1.91E-04
2.65E+02	-4.73E-05	6.66E-04	1.77E-04
2.65E+02	-1.41E-04	5.61E-04	1.49E-04
2.65E+02	-2.35E-04	4.80E-04	9.52E-05
2.65E+02	-3.02E-04	4.39E-04	6.85E-05
2.65E+02	-4.04E-04	3.84E-04	1.79E-05
2.65E+02	-4.86E-04	3.03E-04	-8.01E-05
2.65E+02	-5.22E-04	2.51E-04	-9.38E-05
2.65E+02	-5.06E-04	2.08E-04	-7.25E-05
2.65E+02	-4.48E-04	1.62E-04	-5.72E-05
2.65E+02	-4.07E-04	1.21E-04	-4.22E-05
2.65E+02	-3.15E-04	1.06E-04	-5.82E-05
2.65E+02	-1.54E-04	1.49E-04	-2.94E-05
2.65E+02	-3.83E-05	1.91E-04	-1.77E-05
2.65E+02	5.95E-05	2.24E-04	-5.68E-05
2.65E+02	1.67E-04	2.85E-04	-2.14E-05
2.65E+02	2.53E-04	3.32E-04	5.72E-06
2.65E+02	3.22E-04	3.35E-04	-2.42E-05
2.65E+02	3.02E-04	3.04E-04	-1.66E-05
2.65E+02	2.37E-04	2.66E-04	6.10E-06
2.65E+02	1.89E-04	2.72E-04	6.94E-05
2.65E+02	7.48E-05	3.03E-04	1.25E-04
2.65E+02	-5.46E-05	3.39E-04	9.17E-05
2.65E+02	-1.45E-04	4.16E-04	9.84E-05
2.65E+02	-2.07E-04	5.06E-04	1.38E-04
2.65E+02	-2.28E-04	5.92E-04	1.53E-04
2.65E+02	-2.58E-04	6.55E-04	1.78E-04
2.65E+02	-2.53E-04	6.86E-04	1.64E-04
2.65E+02	-1.75E-04	7.08E-04	1.41E-04
2.65E+02	-1.04E-04	7.00E-04	1.27E-04
2.65E+02	-4.96E-05	6.52E-04	5.55E-05
2.65E+02	3.81E-06	5.90E-04	-1.07E-05
2.65E+02	8.30E-05	5.34E-04	-5.68E-05
2.65E+02	1.65E-04	4.65E-04	-1.45E-04
2.65E+02	1.88E-04	3.74E-04	-1.95E-04

2.65E+02	2.26E-04	2.97E-04	-1.90E-04
2.65E+02	2.96E-04	2.54E-04	-1.50E-04
2.65E+02	3.17E-04	2.03E-04	-1.07E-04
2.65E+02	3.16E-04	1.13E-04	-1.51E-04
2.65E+02	3.18E-04	3.93E-05	-1.84E-04
2.65E+02	3.28E-04	5.72E-07	-1.77E-04
2.65E+02	3.56E-04	-1.16E-05	-2.23E-04
2.65E+02	3.48E-04	9.35E-06	-2.35E-04
2.65E+02	3.40E-04	3.81E-05	-2.01E-04
2.65E+02	4.05E-04	8.81E-05	-1.31E-04
2.65E+02	4.58E-04	1.42E-04	-4.77E-06
2.65E+02	4.77E-04	1.33E-04	7.25E-05
2.65E+02	5.00E-04	1.07E-04	1.47E-04
2.65E+02	5.07E-04	8.58E-05	2.41E-04
2.65E+02	5.13E-04	3.30E-05	2.44E-04
2.65E+02	4.80E-04	-8.96E-06	2.50E-04
2.65E+02	4.01E-04	-3.13E-05	2.79E-04
2.65E+02	3.60E-04	-1.89E-05	2.97E-04
2.65E+02	2.90E-04	2.52E-05	3.29E-04
2.65E+02	1.64E-04	3.38E-05	2.70E-04
2.65E+02	5.36E-05	4.22E-05	1.95E-04
2.65E+02	-6.56E-05	5.82E-05	1.57E-04
2.65E+02	-1.67E-04	7.95E-05	7.59E-05
2.65E+02	-2.67E-04	1.29E-04	3.89E-05
2.65E+02	-3.97E-04	1.61E-04	1.24E-05
2.65E+02	-4.42E-04	2.01E-04	-4.81E-05
2.65E+02	-4.42E-04	2.44E-04	-7.69E-05
2.65E+02	-4.41E-04	2.37E-04	-1.25E-04
2.65E+02	-3.73E-04	2.21E-04	-1.40E-04
2.65E+02	-2.78E-04	1.95E-04	-9.82E-05
2.65E+02	-1.47E-04	1.45E-04	-1.44E-04
2.65E+02	-2.25E-05	1.03E-04	-2.32E-04
2.65E+02	4.92E-05	6.20E-05	-2.87E-04
2.65E+02	1.48E-04	4.41E-05	-3.26E-04
2.65E+02	2.33E-04	5.32E-05	-3.33E-04
2.65E+02	2.61E-04	2.78E-05	-3.72E-04
2.65E+02	2.79E-04	-1.32E-05	-3.98E-04
2.65E+02	3.02E-04	-3.45E-05	-3.12E-04
2.65E+02	3.27E-04	-4.29E-05	-1.74E-04
2.65E+02	3.05E-04	-3.87E-05	-4.20E-05
2.65E+02	2.28E-04	-1.66E-05	5.84E-05
2.65E+02	2.00E-04	4.75E-05	1.14E-04
2.65E+02	1.96E-04	1.49E-04	1.58E-04
2.65E+02	1.64E-04	2.37E-04	1.65E-04
2.65E+02	1.56E-04	3.06E-04	1.34E-04
2.65E+02	1.64E-04	3.66E-04	1.25E-04
2.65E+02	1.84E-04	3.79E-04	6.73E-05

2.65E+02	1.84E-04	3.50E-04	-3.59E-05
2.65E+02	1.31E-04	2.87E-04	-1.11E-04
2.65E+02	1.07E-04	2.13E-04	-1.82E-04
2.65E+02	9.27E-05	1.70E-04	-2.02E-04
2.65E+02	4.41E-05	1.08E-04	-2.28E-04
2.65E+02	2.63E-05	4.25E-05	-2.97E-04
2.65E+02	5.42E-05	4.25E-05	-2.94E-04
2.65E+02	1.22E-04	6.47E-05	-2.82E-04
2.65E+02	1.99E-04	9.40E-05	-2.84E-04
2.65E+02	2.49E-04	1.15E-04	-2.75E-04
2.65E+02	3.45E-04	1.10E-04	-2.97E-04
2.65E+02	4.81E-04	1.10E-04	-2.73E-04
2.65E+02	5.74E-04	7.21E-05	-2.04E-04
2.65E+02	6.67E-04	-1.53E-06	-1.10E-04
2.65E+02	7.46E-04	-6.87E-05	4.63E-05
2.65E+02	7.94E-04	-1.36E-04	1.58E-04
2.65E+02	8.45E-04	-1.87E-04	2.07E-04
2.65E+02	8.18E-04	-2.26E-04	2.59E-04
2.65E+02	7.77E-04	-2.31E-04	3.06E-04
2.65E+02	7.67E-04	-1.76E-04	3.69E-04
2.65E+02	6.85E-04	-1.26E-04	3.85E-04
2.65E+02	5.83E-04	-1.11E-04	3.39E-04
2.65E+02	4.99E-04	-8.75E-05	3.58E-04
2.65E+02	4.15E-04	-7.32E-05	3.85E-04
2.65E+02	3.34E-04	-8.35E-05	3.56E-04
2.65E+02	2.20E-04	-8.95E-05	3.25E-04
2.65E+02	1.35E-04	-9.92E-05	2.56E-04
2.65E+02	1.04E-04	-7.06E-05	1.85E-04
2.65E+02	5.80E-05	-2.14E-05	1.35E-04
2.65E+02	3.41E-05	8.77E-06	6.28E-05
2.65E+02	3.60E-05	5.76E-05	4.43E-05
2.65E+02	5.21E-05	6.26E-05	1.49E-05
2.65E+02	9.98E-05	1.34E-05	-8.56E-05
2.65E+02	1.01E-04	-5.34E-05	-1.41E-04
2.65E+02	1.07E-04	-1.10E-04	-1.40E-04
2.65E+02	1.58E-04	-1.11E-04	-1.14E-04
2.65E+02	1.41E-04	-1.15E-04	-1.44E-04
2.65E+02	1.01E-04	-1.09E-04	-2.66E-04
2.65E+02	7.88E-05	-6.71E-05	-3.59E-04
2.65E+02	5.78E-05	-2.92E-05	-4.10E-04
2.65E+02	6.07E-05	1.20E-05	-4.33E-04
2.66E+02	3.70E-05	4.90E-05	-3.87E-04
2.66E+02	3.30E-05	6.41E-05	-3.11E-04
2.66E+02	9.17E-05	6.69E-05	-2.23E-04
2.66E+02	1.18E-04	5.40E-05	-1.57E-04
2.66E+02	1.25E-04	1.66E-05	-1.75E-04
2.66E+02	1.43E-04	-2.29E-06	-1.74E-04

2.66E+02	1.51E-04	5.91E-06	-1.34E-04
2.66E+02	1.62E-04	1.34E-05	-1.23E-04
2.66E+02	1.28E-04	3.45E-05	-7.32E-05
2.66E+02	8.22E-05	6.41E-05	1.28E-05
2.66E+02	8.13E-05	1.14E-04	1.35E-04
2.66E+02	4.16E-05	1.43E-04	2.70E-04
2.66E+02	-2.16E-05	1.11E-04	3.05E-04
2.66E+02	-4.71E-05	1.01E-04	3.12E-04
2.66E+02	-5.66E-05	1.17E-04	3.27E-04
2.66E+02	-4.06E-05	1.35E-04	2.71E-04
2.66E+02	-4.58E-05	1.61E-04	2.16E-04
2.66E+02	-5.47E-05	1.67E-04	1.68E-04
2.66E+02	-9.92E-06	1.69E-04	1.12E-04
2.66E+02	3.81E-07	1.46E-04	9.10E-05
2.66E+02	-2.94E-05	7.76E-05	3.81E-05
2.66E+02	-6.62E-05	7.44E-06	1.93E-05
2.66E+02	-1.34E-04	-5.23E-05	7.84E-05
2.66E+02	-2.03E-04	-1.09E-04	7.55E-05
2.66E+02	-3.31E-04	-1.61E-04	5.87E-05
2.66E+02	-5.08E-04	-2.06E-04	4.73E-05
2.66E+02	-6.16E-04	-1.99E-04	2.12E-05
2.66E+02	-7.19E-04	-1.66E-04	2.86E-05
2.66E+02	-8.13E-04	-1.70E-04	-3.43E-06
2.66E+02	-8.32E-04	-1.71E-04	-1.07E-05
2.66E+02	-8.15E-04	-1.64E-04	7.19E-05
2.66E+02	-7.52E-04	-1.59E-04	1.37E-04
2.66E+02	-7.05E-04	-1.43E-04	1.83E-04
2.66E+02	-6.79E-04	-1.24E-04	2.18E-04
2.66E+02	-5.87E-04	-8.41E-05	2.33E-04
2.66E+02	-4.87E-04	-2.63E-05	2.75E-04
2.66E+02	-4.04E-04	3.81E-07	2.94E-04
2.66E+02	-3.02E-04	3.05E-06	3.03E-04
2.66E+02	-1.89E-04	-3.81E-06	3.46E-04
2.66E+02	-6.58E-05	-4.48E-05	3.17E-04
2.66E+02	1.11E-05	-1.04E-04	2.38E-04
2.66E+02	3.11E-05	-1.54E-04	1.90E-04
2.66E+02	7.86E-05	-1.57E-04	1.69E-04
2.66E+02	1.06E-04	-1.11E-04	1.66E-04
2.66E+02	7.10E-05	-7.63E-05	8.45E-05
2.66E+02	4.67E-05	-3.03E-05	-3.11E-05
2.66E+02	4.14E-05	3.57E-05	-8.58E-05
2.66E+02	6.73E-05	8.53E-05	-1.29E-04
2.66E+02	6.90E-05	1.08E-04	-1.54E-04
2.66E+02	2.65E-05	9.77E-05	-1.51E-04
2.66E+02	5.53E-05	9.54E-05	-1.23E-04
2.66E+02	8.79E-05	9.94E-05	-6.98E-05
2.66E+02	7.27E-05	7.65E-05	-5.25E-05

2.66E+02	7.67E-05	5.59E-05	-5.23E-05
2.66E+02	7.88E-05	5.44E-05	-2.04E-05
2.66E+02	8.58E-05	5.19E-05	-4.44E-05
2.66E+02	8.51E-05	5.25E-05	-1.05E-04
2.66E+02	4.84E-05	7.82E-05	-1.14E-04
2.66E+02	3.89E-05	1.46E-04	-7.88E-05
2.66E+02	3.95E-05	2.34E-04	1.98E-05
2.66E+02	-2.29E-06	2.76E-04	8.03E-05
2.66E+02	-4.39E-05	2.73E-04	6.16E-05
2.66E+02	-7.48E-05	2.65E-04	6.79E-05
2.66E+02	-8.98E-05	2.39E-04	5.46E-05
2.66E+02	-1.15E-04	2.07E-04	1.14E-06
2.66E+02	-1.73E-04	1.80E-04	-3.20E-05
2.66E+02	-1.79E-04	1.63E-04	-5.68E-05
2.66E+02	-1.43E-04	1.71E-04	-3.89E-05
2.66E+02	-1.40E-04	1.55E-04	5.53E-06
2.66E+02	-1.54E-04	1.05E-04	1.43E-05
2.66E+02	-1.73E-04	7.32E-05	5.44E-05
2.66E+02	-2.06E-04	3.91E-05	7.34E-05
2.66E+02	-2.59E-04	2.27E-05	2.75E-05
2.66E+02	-3.64E-04	2.61E-05	-2.48E-06
2.66E+02	-4.77E-04	5.13E-05	-4.14E-05
2.66E+02	-5.63E-04	1.57E-04	-4.25E-05
2.66E+02	-6.91E-04	2.66E-04	-4.84E-05
2.66E+02	-8.17E-04	3.46E-04	-1.15E-04
2.66E+02	-8.95E-04	4.51E-04	-9.40E-05
2.66E+02	-9.38E-04	5.42E-04	-7.29E-05
2.66E+02	-9.49E-04	6.10E-04	-1.36E-04
2.66E+02	-9.76E-04	6.80E-04	-1.87E-04
2.66E+02	-9.55E-04	7.56E-04	-2.35E-04
2.66E+02	-8.74E-04	8.56E-04	-2.37E-04
2.66E+02	-8.40E-04	9.20E-04	-2.37E-04
2.66E+02	-8.31E-04	9.18E-04	-3.31E-04
2.66E+02	-8.19E-04	9.00E-04	-3.90E-04
2.66E+02	-8.01E-04	8.41E-04	-4.06E-04
2.66E+02	-7.77E-04	7.30E-04	-4.27E-04
2.66E+02	-7.94E-04	6.07E-04	-3.66E-04
2.66E+02	-7.96E-04	5.03E-04	-2.80E-04
2.66E+02	-7.59E-04	4.54E-04	-2.10E-04
2.66E+02	-7.63E-04	4.13E-04	-1.66E-04
2.66E+02	-7.80E-04	3.41E-04	-1.96E-04
2.66E+02	-7.68E-04	2.82E-04	-1.97E-04
2.66E+02	-7.39E-04	2.24E-04	-1.67E-04
2.66E+02	-6.94E-04	1.44E-04	-1.72E-04
2.66E+02	-6.66E-04	6.35E-05	-1.49E-04
2.66E+02	-6.26E-04	-2.08E-05	-1.19E-04
2.66E+02	-5.46E-04	-8.28E-05	-7.99E-05

2.66E+02	-5.04E-04	-1.40E-04	-4.12E-05
2.66E+02	-5.00E-04	-2.31E-04	-8.20E-05
2.66E+02	-5.01E-04	-2.73E-04	-9.33E-05
2.66E+02	-5.08E-04	-2.57E-04	-4.77E-05
2.66E+02	-5.08E-04	-2.33E-04	-4.83E-05
2.66E+02	-5.61E-04	-2.02E-04	-3.26E-05
2.66E+02	-6.23E-04	-1.75E-04	6.87E-06
2.66E+02	-6.24E-04	-1.39E-04	4.25E-05
2.66E+02	-6.27E-04	-1.14E-04	8.51E-05
2.66E+02	-6.06E-04	-1.36E-04	5.84E-05
2.66E+02	-5.37E-04	-1.83E-04	3.24E-05
2.66E+02	-4.48E-04	-2.28E-04	4.90E-05
2.66E+02	-3.32E-04	-2.62E-04	5.91E-06
2.66E+02	-2.58E-04	-2.88E-04	-3.83E-05
2.66E+02	-2.14E-04	-3.08E-04	-7.48E-05
2.66E+02	-1.28E-04	-3.11E-04	-1.13E-04
2.66E+02	-7.48E-05	-3.04E-04	-1.02E-04
2.66E+02	-7.93E-05	-3.05E-04	-1.38E-04
2.66E+02	-7.53E-05	-2.86E-04	-1.69E-04
2.66E+02	-6.22E-05	-2.26E-04	-1.38E-04
2.66E+02	-4.02E-05	-1.61E-04	-1.57E-04
2.66E+02	-4.69E-05	-1.09E-04	-1.54E-04
2.66E+02	-8.83E-05	-6.29E-05	-1.06E-04
2.66E+02	-7.21E-05	1.32E-05	-3.30E-05
2.66E+02	-4.27E-05	8.79E-05	7.34E-05
2.66E+02	-4.69E-05	1.18E-04	8.98E-05
2.66E+02	8.39E-06	1.52E-04	1.07E-04
2.66E+02	8.58E-05	1.83E-04	1.66E-04
2.66E+02	1.61E-04	1.90E-04	1.24E-04
2.66E+02	2.31E-04	1.89E-04	4.79E-05
2.66E+02	2.41E-04	1.55E-04	-3.34E-05
2.66E+02	2.79E-04	1.09E-04	-1.14E-04
2.66E+02	3.06E-04	4.71E-05	-1.27E-04
2.66E+02	2.48E-04	-7.21E-05	-1.48E-04
2.66E+02	1.85E-04	-1.94E-04	-1.54E-04
2.66E+02	1.17E-04	-2.92E-04	-1.06E-04
2.66E+02	6.10E-05	-3.73E-04	-1.15E-04
2.66E+02	1.30E-05	-4.04E-04	-1.44E-04
2.66E+02	-6.60E-05	-3.86E-04	-1.46E-04
2.66E+02	-7.93E-05	-3.14E-04	-1.64E-04
2.66E+02	-5.99E-05	-2.06E-04	-1.87E-04
2.66E+02	-7.78E-05	-1.41E-04	-2.72E-04
2.66E+02	-7.31E-05	-9.57E-05	-3.49E-04
2.66E+02	-6.64E-05	-4.48E-05	-3.18E-04
2.66E+02	-5.91E-05	-2.52E-05	-2.70E-04
2.66E+02	-8.07E-05	-1.03E-05	-2.18E-04
2.66E+02	-1.57E-04	1.26E-05	-1.57E-04

2.66E+02	-1.74E-04	5.93E-05	-1.14E-04
2.66E+02	-1.72E-04	1.42E-04	-5.61E-05
2.66E+02	-2.01E-04	2.16E-04	-9.35E-06
2.66E+02	-2.03E-04	2.96E-04	5.17E-05
2.66E+02	-1.98E-04	3.64E-04	1.71E-04
2.66E+02	-1.73E-04	3.75E-04	2.27E-04
2.66E+02	-1.59E-04	3.43E-04	1.98E-04
2.66E+02	-2.16E-04	2.51E-04	1.44E-04
2.66E+02	-2.68E-04	1.52E-04	4.96E-05
2.66E+02	-3.18E-04	1.03E-04	-1.32E-05
2.66E+02	-4.30E-04	5.36E-05	-6.62E-05
2.66E+02	-5.33E-04	2.42E-05	-1.18E-04
2.66E+02	-6.12E-04	3.95E-05	-7.23E-05
2.66E+02	-6.68E-04	6.92E-05	-3.05E-06
2.66E+02	-7.11E-04	9.42E-05	2.61E-05
2.66E+02	-7.86E-04	9.96E-05	3.99E-05
2.66E+02	-7.97E-04	1.10E-04	1.87E-05
2.66E+02	-7.37E-04	1.40E-04	-1.14E-06
2.66E+02	-6.87E-04	1.67E-04	-1.83E-05
2.66E+02	-6.36E-04	1.74E-04	-7.23E-05
2.66E+02	-5.83E-04	1.89E-04	-7.06E-05
2.66E+02	-5.25E-04	2.12E-04	-5.65E-05
2.66E+02	-4.91E-04	2.06E-04	-1.16E-04
2.66E+02	-5.23E-04	1.72E-04	-1.50E-04
2.66E+02	-5.71E-04	1.24E-04	-1.77E-04
2.66E+02	-6.14E-04	9.82E-05	-2.02E-04
2.66E+02	-7.11E-04	8.11E-05	-2.30E-04
2.66E+02	-8.36E-04	5.00E-05	-2.92E-04
2.66E+02	-9.41E-04	6.10E-05	-2.67E-04
2.66E+02	-1.02E-03	9.38E-05	-2.18E-04
2.66E+02	-1.06E-03	9.54E-05	-2.05E-04
2.66E+02	-1.09E-03	5.63E-05	-1.61E-04
2.66E+02	-1.06E-03	-2.56E-05	-1.38E-04
2.66E+02	-9.26E-04	-1.25E-04	-8.32E-05
2.66E+02	-7.90E-04	-2.51E-04	-9.16E-06
2.66E+02	-6.67E-04	-3.97E-04	-1.20E-05
2.66E+02	-5.37E-04	-5.04E-04	1.66E-05
2.66E+02	-4.21E-04	-5.75E-04	7.48E-05
2.66E+02	-3.17E-04	-6.21E-04	9.78E-05
2.66E+02	-2.74E-04	-6.40E-04	1.47E-04
2.66E+02	-2.46E-04	-6.21E-04	1.79E-04
2.66E+02	-1.77E-04	-5.40E-04	1.96E-04
2.66E+02	-1.28E-04	-4.48E-04	1.93E-04
2.66E+02	-9.08E-05	-3.92E-04	8.51E-05
2.66E+02	-3.43E-05	-3.50E-04	-6.87E-06
2.66E+02	4.08E-05	-3.14E-04	-4.67E-05
2.66E+02	1.11E-04	-2.96E-04	-1.21E-04

2.66E+02	1.07E-04	-2.71E-04	-1.71E-04
2.66E+02	7.74E-05	-2.21E-04	-2.06E-04
2.66E+02	7.92E-05	-1.26E-04	-2.27E-04
2.66E+02	3.26E-05	6.48E-06	-1.99E-04
2.66E+02	-4.81E-05	1.11E-04	-1.95E-04
2.66E+02	-1.13E-04	2.09E-04	-1.65E-04
2.67E+02	-1.70E-04	2.82E-04	-9.46E-05
2.67E+02	-1.93E-04	2.79E-04	-8.37E-05
2.67E+02	-2.47E-04	2.47E-04	-5.25E-05
2.67E+02	-3.16E-04	1.87E-04	5.72E-06
2.67E+02	-3.12E-04	1.35E-04	5.72E-05
2.67E+02	-3.28E-04	9.31E-05	1.34E-04
2.67E+02	-3.75E-04	1.20E-05	1.42E-04
2.67E+02	-4.04E-04	-5.57E-05	1.36E-04
2.67E+02	-4.30E-04	-1.10E-04	1.70E-04
2.67E+02	-4.39E-04	-1.68E-04	1.51E-04
2.67E+02	-4.79E-04	-2.28E-04	1.12E-04
2.67E+02	-5.14E-04	-2.98E-04	8.47E-05
2.67E+02	-4.60E-04	-3.54E-04	6.03E-05
2.67E+02	-4.06E-04	-4.08E-04	4.20E-05
2.67E+02	-3.83E-04	-4.97E-04	-5.44E-05
2.67E+02	-3.42E-04	-5.94E-04	-1.78E-04
2.67E+02	-2.96E-04	-6.66E-04	-2.50E-04
2.67E+02	-2.35E-04	-7.26E-04	-3.58E-04
2.67E+02	-1.86E-04	-7.59E-04	-4.58E-04
2.67E+02	-1.79E-04	-7.52E-04	-4.96E-04
2.67E+02	-1.35E-04	-6.86E-04	-4.96E-04
2.67E+02	-9.46E-05	-5.73E-04	-4.43E-04
2.67E+02	-1.21E-04	-4.99E-04	-4.41E-04
2.67E+02	-1.47E-04	-4.60E-04	-4.53E-04
2.67E+02	-1.61E-04	-4.24E-04	-3.75E-04
2.67E+02	-1.76E-04	-4.31E-04	-3.13E-04
2.67E+02	-2.19E-04	-4.54E-04	-2.46E-04
2.67E+02	-2.92E-04	-4.48E-04	-1.35E-04
2.67E+02	-3.40E-04	-4.20E-04	-6.47E-05
2.67E+02	-3.99E-04	-3.64E-04	-8.39E-06
2.67E+02	-4.91E-04	-3.04E-04	1.68E-05
2.67E+02	-5.65E-04	-2.56E-04	2.61E-05
2.67E+02	-6.13E-04	-2.03E-04	1.10E-04
2.67E+02	-6.42E-04	-1.87E-04	1.40E-04
2.67E+02	-6.62E-04	-2.16E-04	7.13E-05
2.67E+02	-6.91E-04	-2.54E-04	2.12E-05
2.67E+02	-6.70E-04	-2.89E-04	1.26E-05
2.67E+02	-6.14E-04	-3.20E-04	5.28E-05
2.67E+02	-5.94E-04	-3.95E-04	6.79E-05
2.67E+02	-5.69E-04	-5.15E-04	3.51E-05
2.67E+02	-5.40E-04	-6.26E-04	4.33E-05

2.67E+02	-5.24E-04	-7.37E-04	1.72E-05
2.67E+02	-5.31E-04	-8.31E-04	-6.33E-05
2.67E+02	-5.87E-04	-8.85E-04	-1.16E-04
2.67E+02	-6.15E-04	-9.09E-04	-1.54E-04
2.67E+02	-6.04E-04	-8.84E-04	-1.31E-04
2.67E+02	-6.18E-04	-8.64E-04	-8.60E-05
2.67E+02	-6.03E-04	-8.56E-04	-6.87E-05
2.67E+02	-5.41E-04	-8.21E-04	5.34E-06
2.67E+02	-4.38E-04	-8.09E-04	4.65E-05
2.67E+02	-2.96E-04	-8.15E-04	2.67E-05
2.67E+02	-1.80E-04	-8.09E-04	4.25E-05
2.67E+02	-2.96E-05	-7.75E-04	5.78E-05
2.67E+02	1.64E-04	-7.03E-04	9.40E-05
2.67E+02	2.79E-04	-6.58E-04	8.83E-05
2.67E+02	3.51E-04	-6.62E-04	-2.75E-05
2.67E+02	4.15E-04	-6.54E-04	-1.02E-04
2.67E+02	4.54E-04	-6.20E-04	-1.45E-04
2.67E+02	4.67E-04	-5.71E-04	-2.14E-04
2.67E+02	4.18E-04	-5.07E-04	-2.53E-04
2.67E+02	3.65E-04	-4.32E-04	-2.89E-04
2.67E+02	3.29E-04	-3.44E-04	-2.90E-04
2.67E+02	2.41E-04	-2.88E-04	-2.81E-04
2.67E+02	1.29E-04	-2.91E-04	-2.96E-04
2.67E+02	2.35E-05	-2.94E-04	-2.24E-04
2.67E+02	-7.25E-05	-3.20E-04	-1.61E-04
2.67E+02	-1.55E-04	-3.89E-04	-1.73E-04
2.67E+02	-2.53E-04	-4.52E-04	-1.38E-04
2.67E+02	-3.12E-04	-5.04E-04	-6.81E-05
2.67E+02	-3.02E-04	-5.27E-04	2.59E-05
2.67E+02	-2.93E-04	-5.47E-04	1.02E-04
2.67E+02	-2.64E-04	-6.10E-04	9.35E-05
2.67E+02	-1.93E-04	-6.59E-04	1.13E-04
2.67E+02	-9.92E-05	-6.91E-04	1.54E-04
2.67E+02	-4.39E-06	-7.44E-04	1.29E-04
2.67E+02	2.90E-05	-7.79E-04	1.08E-04
2.67E+02	4.52E-05	-7.93E-04	9.96E-05
2.67E+02	9.50E-05	-7.77E-04	9.77E-05
2.67E+02	1.09E-04	-7.24E-04	1.10E-04
2.67E+02	9.84E-05	-6.79E-04	6.48E-05
2.67E+02	1.17E-04	-6.11E-04	4.98E-05
2.67E+02	1.39E-04	-5.40E-04	7.04E-05
2.67E+02	1.59E-04	-5.16E-04	9.54E-06
2.67E+02	1.83E-04	-4.97E-04	-3.36E-05
2.67E+02	2.02E-04	-4.81E-04	-4.96E-05
2.67E+02	2.47E-04	-4.50E-04	-4.67E-05
2.67E+02	2.87E-04	-4.10E-04	-7.25E-06
2.67E+02	2.85E-04	-4.13E-04	-2.63E-05

2.67E+02	2.95E-04	-4.04E-04	1.20E-05
2.67E+02	3.16E-04	-3.72E-04	1.32E-04
2.67E+02	3.28E-04	-3.54E-04	1.96E-04
2.67E+02	3.20E-04	-3.22E-04	2.41E-04
2.67E+02	3.09E-04	-2.80E-04	2.62E-04
2.67E+02	3.67E-04	-2.05E-04	2.91E-04
2.67E+02	4.34E-04	-1.05E-04	3.73E-04
2.67E+02	4.65E-04	-5.40E-05	3.99E-04
2.67E+02	5.11E-04	-2.14E-05	3.90E-04
2.67E+02	5.62E-04	6.68E-06	3.81E-04
2.67E+02	6.31E-04	2.48E-06	3.39E-04
2.67E+02	6.60E-04	-3.24E-05	3.01E-04
2.67E+02	6.36E-04	-8.14E-05	2.55E-04
2.67E+02	6.60E-04	-1.00E-04	2.38E-04
2.67E+02	6.57E-04	-1.13E-04	2.56E-04
2.67E+02	6.07E-04	-1.67E-04	1.98E-04
2.67E+02	5.77E-04	-2.43E-04	1.22E-04
2.67E+02	5.52E-04	-3.23E-04	1.05E-04
2.67E+02	5.28E-04	-4.31E-04	6.79E-05
2.67E+02	4.64E-04	-5.66E-04	4.39E-06
2.67E+02	3.81E-04	-6.96E-04	-6.47E-05
2.67E+02	3.79E-04	-7.86E-04	-1.12E-04
2.67E+02	4.03E-04	-8.30E-04	-9.02E-05
2.67E+02	4.01E-04	-8.79E-04	-6.85E-05
2.67E+02	4.19E-04	-9.12E-04	-2.50E-05
2.67E+02	4.65E-04	-8.87E-04	1.06E-04
2.67E+02	5.50E-04	-8.43E-04	1.96E-04
2.67E+02	6.25E-04	-7.90E-04	2.36E-04
2.67E+02	6.63E-04	-7.10E-04	2.90E-04
2.67E+02	7.39E-04	-5.83E-04	3.44E-04
2.67E+02	8.08E-04	-4.11E-04	4.26E-04
2.67E+02	8.15E-04	-2.59E-04	4.69E-04
2.67E+02	8.21E-04	-1.41E-04	4.77E-04
2.67E+02	8.24E-04	-2.73E-05	5.33E-04
2.67E+02	8.11E-04	5.61E-05	5.41E-04
2.67E+02	7.76E-04	9.73E-05	4.84E-04
2.67E+02	7.04E-04	1.18E-04	4.07E-04
2.67E+02	6.78E-04	1.28E-04	2.89E-04
2.67E+02	7.01E-04	1.47E-04	1.98E-04
2.67E+02	6.88E-04	1.31E-04	1.09E-04
2.67E+02	6.90E-04	9.77E-05	4.35E-05
2.67E+02	7.45E-04	1.02E-04	8.32E-05
2.67E+02	8.17E-04	9.23E-05	8.37E-05
2.67E+02	8.65E-04	6.71E-05	3.95E-05
2.67E+02	8.64E-04	3.78E-05	3.15E-05
2.67E+02	8.74E-04	3.15E-05	1.18E-05
2.67E+02	9.00E-04	7.65E-05	5.72E-06

2.67E+02	8.91E-04	1.05E-04	-4.79E-05
2.67E+02	8.82E-04	1.28E-04	-1.00E-04
2.67E+02	8.93E-04	1.74E-04	-1.91E-07
2.67E+02	9.12E-04	1.94E-04	1.35E-04
2.67E+02	9.28E-04	1.91E-04	2.25E-04
2.67E+02	9.16E-04	1.65E-04	2.67E-04
2.67E+02	9.31E-04	1.29E-04	2.61E-04
2.67E+02	9.81E-04	1.18E-04	2.83E-04
2.67E+02	9.95E-04	8.72E-05	2.93E-04
2.67E+02	1.02E-03	7.11E-05	2.75E-04
2.67E+02	1.05E-03	8.93E-05	2.83E-04
2.67E+02	1.07E-03	8.98E-05	2.72E-04
2.67E+02	1.08E-03	9.33E-05	2.58E-04
2.67E+02	1.03E-03	7.84E-05	2.76E-04
2.67E+02	9.94E-04	6.41E-05	2.91E-04
2.67E+02	9.72E-04	9.56E-05	2.95E-04
2.67E+02	9.12E-04	1.19E-04	2.32E-04
2.67E+02	8.58E-04	1.26E-04	1.08E-04
2.67E+02	8.33E-04	1.77E-04	7.57E-05
2.67E+02	8.25E-04	2.46E-04	1.02E-04
2.67E+02	8.15E-04	2.83E-04	1.21E-04
2.67E+02	7.59E-04	2.93E-04	1.79E-04
2.67E+02	7.01E-04	2.48E-04	2.02E-04
2.67E+02	6.82E-04	1.88E-04	2.09E-04
2.67E+02	6.28E-04	1.28E-04	2.28E-04
2.67E+02	5.49E-04	4.01E-05	1.81E-04
2.67E+02	4.89E-04	-4.01E-06	1.53E-04
2.67E+02	4.36E-04	-2.12E-05	1.22E-04
2.67E+02	4.11E-04	-3.93E-05	5.38E-05
2.67E+02	3.55E-04	-5.36E-05	7.72E-05
2.67E+02	3.06E-04	-7.17E-05	1.65E-04
2.67E+02	3.19E-04	-5.93E-05	2.97E-04
2.67E+02	2.65E-04	-7.23E-05	3.78E-04
2.67E+02	1.92E-04	-1.00E-04	3.36E-04
2.67E+02	1.53E-04	-8.56E-05	3.32E-04
2.67E+02	8.74E-05	-6.89E-05	3.37E-04
2.67E+02	3.49E-05	-4.39E-05	3.14E-04
2.67E+02	-5.55E-05	-8.20E-06	3.36E-04
2.67E+02	-1.34E-04	2.50E-05	3.63E-04
2.67E+02	-1.09E-04	7.00E-05	4.02E-04
2.67E+02	-8.26E-05	9.19E-05	4.28E-04
2.67E+02	-4.02E-05	6.52E-05	3.83E-04
2.67E+02	4.84E-05	3.59E-05	3.58E-04
2.67E+02	1.61E-04	2.21E-05	3.41E-04
2.67E+02	2.94E-04	-4.77E-06	2.45E-04
2.67E+02	3.85E-04	-2.50E-05	1.43E-04
2.67E+02	4.65E-04	-2.02E-05	7.38E-05

2.67E+02	5.70E-04	1.62E-05	5.97E-05
2.67E+02	6.44E-04	6.71E-05	1.14E-04
2.67E+02	6.75E-04	6.62E-05	8.53E-05
2.67E+02	6.99E-04	5.76E-05	3.05E-05
2.67E+02	7.31E-04	7.86E-05	5.36E-05
2.67E+02	7.46E-04	7.78E-05	5.19E-05
2.67E+02	6.90E-04	5.84E-05	5.36E-05
2.67E+02	5.92E-04	2.31E-05	4.58E-05
2.67E+02	5.38E-04	-1.53E-06	3.30E-05
2.67E+02	4.81E-04	-2.31E-05	8.72E-05
2.67E+02	4.11E-04	-8.16E-05	1.18E-04
2.67E+02	3.89E-04	-1.17E-04	1.58E-04
2.67E+02	4.18E-04	-1.18E-04	2.25E-04
2.67E+02	4.86E-04	-1.09E-04	2.06E-04
2.67E+02	5.34E-04	-7.17E-05	1.62E-04
2.67E+02	5.63E-04	-2.19E-05	1.40E-04
2.67E+02	6.21E-04	5.68E-05	1.15E-04
2.67E+02	6.36E-04	1.48E-04	1.09E-04
2.68E+02	5.83E-04	1.75E-04	6.31E-05
2.68E+02	5.15E-04	1.78E-04	2.10E-06
2.68E+02	4.51E-04	1.94E-04	1.07E-05
2.68E+02	4.04E-04	1.91E-04	2.40E-05
2.68E+02	3.50E-04	1.78E-04	2.99E-05
2.68E+02	2.92E-04	1.46E-04	4.04E-05
2.68E+02	2.99E-04	1.20E-04	1.89E-05
2.68E+02	3.23E-04	1.22E-04	-1.03E-05
2.68E+02	3.25E-04	1.12E-04	-6.83E-05
2.68E+02	3.42E-04	1.17E-04	-9.90E-05
2.68E+02	3.42E-04	1.62E-04	-4.67E-05
2.68E+02	3.35E-04	1.97E-04	-3.57E-05
2.68E+02	2.88E-04	2.32E-04	-4.69E-05
2.68E+02	1.74E-04	2.87E-04	-3.89E-05
2.68E+02	1.02E-04	3.75E-04	-4.77E-05
2.68E+02	4.27E-05	4.98E-04	-2.94E-05
2.68E+02	-3.32E-05	5.91E-04	-6.50E-05
2.68E+02	-4.27E-05	6.43E-04	-1.38E-04
2.68E+02	-3.43E-06	6.90E-04	-1.22E-04
2.68E+02	8.30E-05	7.03E-04	-9.73E-05
2.68E+02	1.82E-04	6.74E-04	-7.06E-05
2.68E+02	2.38E-04	6.03E-04	-2.31E-05
2.68E+02	3.44E-04	5.15E-04	-2.12E-05
2.68E+02	4.64E-04	4.39E-04	-2.02E-05
2.68E+02	5.19E-04	3.46E-04	-7.04E-05
2.68E+02	5.68E-04	2.62E-04	-1.61E-04
2.68E+02	5.97E-04	2.18E-04	-1.79E-04
2.68E+02	6.29E-04	1.85E-04	-2.04E-04
2.68E+02	6.38E-04	1.61E-04	-2.26E-04

2.68E+02	5.87E-04	1.40E-04	-1.88E-04
2.68E+02	5.83E-04	1.41E-04	-1.05E-04
2.68E+02	5.85E-04	1.67E-04	3.43E-05
2.68E+02	5.32E-04	1.45E-04	1.05E-04
2.68E+02	4.79E-04	8.32E-05	8.14E-05
2.68E+02	4.30E-04	3.87E-05	1.07E-04
2.68E+02	4.11E-04	9.54E-06	1.63E-04
2.68E+02	3.67E-04	-1.20E-05	1.92E-04
2.68E+02	2.50E-04	-2.61E-05	2.00E-04
2.68E+02	1.73E-04	-1.51E-05	1.58E-04
2.68E+02	1.18E-04	2.98E-05	1.10E-04
2.68E+02	2.19E-05	6.60E-05	5.15E-05
2.68E+02	-5.65E-05	9.10E-05	-3.80E-05
2.68E+02	-1.12E-04	1.48E-04	-5.65E-05
2.68E+02	-1.29E-04	2.14E-04	-5.05E-05
2.68E+02	-1.28E-04	2.66E-04	-8.28E-05
2.68E+02	-1.56E-04	3.06E-04	-9.38E-05
2.68E+02	-1.24E-04	3.28E-04	-9.21E-05
2.68E+02	-5.15E-05	3.44E-04	-5.65E-05
2.68E+02	-2.14E-05	3.08E-04	-5.15E-05
2.68E+02	8.20E-06	2.27E-04	-1.17E-04
2.68E+02	4.84E-05	1.72E-04	-1.21E-04
2.68E+02	8.79E-05	1.27E-04	-9.40E-05
2.68E+02	1.10E-04	8.62E-05	-8.18E-05
2.68E+02	5.47E-05	3.57E-05	-4.77E-05
2.68E+02	-1.53E-05	-1.35E-05	-8.39E-06
2.68E+02	-4.27E-05	-2.86E-05	4.63E-05
2.68E+02	-1.09E-04	-5.34E-05	9.37E-05
2.68E+02	-1.75E-04	-7.11E-05	8.24E-05
2.68E+02	-1.98E-04	-5.61E-05	6.81E-05
2.68E+02	-2.11E-04	-2.14E-05	1.37E-04
2.68E+02	-1.93E-04	-1.05E-05	1.31E-04
2.68E+02	-2.31E-04	-4.86E-05	7.42E-05
2.68E+02	-2.96E-04	-7.63E-05	1.11E-04
2.68E+02	-2.90E-04	-9.59E-05	7.86E-05
2.68E+02	-3.28E-04	-1.11E-04	5.38E-05
2.68E+02	-3.69E-04	-1.22E-04	3.62E-05
2.68E+02	-3.24E-04	-1.24E-04	-7.34E-05
2.68E+02	-2.62E-04	-9.52E-05	-1.15E-04
2.68E+02	-1.87E-04	-7.38E-05	-6.68E-05
2.68E+02	-1.05E-04	-7.38E-05	3.57E-05
2.68E+02	-4.81E-05	-1.13E-04	8.09E-05
2.68E+02	5.72E-06	-1.46E-04	8.41E-05
2.68E+02	5.61E-05	-1.53E-04	1.53E-04
2.68E+02	6.54E-05	-2.04E-04	1.42E-04
2.68E+02	2.16E-05	-2.49E-04	7.95E-05
2.68E+02	-8.20E-06	-2.38E-04	4.35E-05

2.68E+02	9.54E-07	-2.17E-04	-6.56E-05
2.68E+02	-4.79E-05	-1.94E-04	-1.36E-04
2.68E+02	-1.31E-04	-1.75E-04	-1.32E-04
2.68E+02	-1.26E-04	-1.47E-04	-1.43E-04
2.68E+02	-1.29E-04	-9.86E-05	-7.65E-05
2.68E+02	-1.82E-04	-1.18E-04	-4.86E-05
2.68E+02	-1.82E-04	-1.88E-04	-7.71E-05
2.68E+02	-1.72E-04	-2.43E-04	-3.87E-05
2.68E+02	-1.61E-04	-3.06E-04	-4.63E-05
2.68E+02	-1.68E-04	-3.47E-04	-6.05E-05
2.68E+02	-2.13E-04	-3.82E-04	-8.18E-05
2.68E+02	-2.11E-04	-3.84E-04	-9.33E-05
2.68E+02	-2.24E-04	-3.32E-04	-4.54E-05
2.68E+02	-2.83E-04	-3.06E-04	-1.04E-04
2.68E+02	-3.28E-04	-2.56E-04	-1.27E-04
2.68E+02	-3.48E-04	-1.85E-04	-2.75E-05
2.68E+02	-3.38E-04	-1.32E-04	-8.96E-06
2.68E+02	-3.72E-04	-7.06E-05	-2.37E-05
2.68E+02	-4.22E-04	-1.20E-05	-4.48E-05
2.68E+02	-3.98E-04	6.81E-05	-1.01E-04
2.68E+02	-3.95E-04	1.34E-04	-1.24E-04
2.68E+02	-4.49E-04	1.19E-04	-1.66E-04
2.68E+02	-4.83E-04	5.61E-05	-1.83E-04
2.68E+02	-5.35E-04	-3.95E-05	-1.21E-04
2.68E+02	-5.94E-04	-1.48E-04	-6.41E-05
2.68E+02	-6.59E-04	-2.30E-04	-9.54E-07
2.68E+02	-7.62E-04	-3.07E-04	2.44E-05
2.68E+02	-8.09E-04	-3.37E-04	6.01E-05
2.68E+02	-8.18E-04	-3.18E-04	1.59E-04
2.68E+02	-8.47E-04	-3.23E-04	1.57E-04
2.68E+02	-8.54E-04	-3.07E-04	1.39E-04
2.68E+02	-8.26E-04	-2.54E-04	1.75E-04
2.68E+02	-7.63E-04	-2.31E-04	1.28E-04
2.68E+02	-7.31E-04	-2.19E-04	9.61E-05
2.68E+02	-7.42E-04	-2.14E-04	3.32E-05
2.68E+02	-7.14E-04	-1.95E-04	-9.21E-05
2.68E+02	-7.14E-04	-1.15E-04	-9.50E-05
2.68E+02	-7.67E-04	-6.20E-05	-1.16E-04
2.68E+02	-7.90E-04	-6.54E-05	-2.02E-04
2.68E+02	-8.15E-04	-5.21E-05	-1.69E-04
2.68E+02	-8.05E-04	-3.32E-05	-1.24E-04
2.68E+02	-7.91E-04	-4.22E-05	-1.04E-04
2.68E+02	-8.40E-04	-6.16E-05	-3.32E-05
2.68E+02	-7.99E-04	-5.61E-05	4.20E-06
2.68E+02	-7.05E-04	-3.85E-05	6.47E-05
2.68E+02	-6.63E-04	-6.35E-05	1.13E-04
2.68E+02	-5.91E-04	-1.17E-04	1.02E-04

2.68E+02	-4.84E-04	-1.44E-04	1.55E-04
2.68E+02	-3.60E-04	-1.62E-04	1.21E-04
2.68E+02	-2.50E-04	-1.87E-04	1.18E-05
2.68E+02	-1.88E-04	-2.04E-04	-8.20E-06
2.68E+02	-1.21E-04	-2.05E-04	-2.35E-05
2.68E+02	-1.03E-04	-1.83E-04	-4.73E-05
2.68E+02	-1.87E-04	-1.77E-04	-1.21E-04
2.68E+02	-2.78E-04	-1.90E-04	-2.25E-04
2.68E+02	-3.71E-04	-1.68E-04	-2.18E-04
2.68E+02	-4.80E-04	-1.29E-04	-1.99E-04
2.68E+02	-5.76E-04	-7.44E-05	-2.32E-04
2.68E+02	-6.81E-04	2.75E-05	-1.84E-04
2.68E+02	-7.31E-04	1.43E-04	-8.47E-05
2.68E+02	-7.03E-04	2.54E-04	8.20E-06
2.68E+02	-6.87E-04	3.23E-04	1.05E-04
2.68E+02	-6.74E-04	3.48E-04	1.51E-04
2.68E+02	-6.27E-04	3.83E-04	2.01E-04
2.68E+02	-5.70E-04	3.84E-04	2.11E-04
2.68E+02	-4.95E-04	3.52E-04	1.48E-04
2.68E+02	-4.28E-04	3.36E-04	1.60E-04
2.68E+02	-3.75E-04	3.21E-04	2.17E-04
2.68E+02	-2.97E-04	3.21E-04	2.75E-04
2.68E+02	-2.53E-04	3.04E-04	2.97E-04
2.68E+02	-2.42E-04	2.53E-04	2.32E-04
2.68E+02	-2.13E-04	2.19E-04	1.96E-04
2.68E+02	-1.68E-04	1.92E-04	1.44E-04
2.68E+02	-1.45E-04	1.64E-04	1.79E-05
2.68E+02	-1.87E-04	1.69E-04	-8.96E-05
2.68E+02	-2.19E-04	2.11E-04	-2.31E-04
2.68E+02	-2.09E-04	2.85E-04	-3.84E-04
2.68E+02	-2.38E-04	3.46E-04	-5.21E-04
2.68E+02	-2.69E-04	3.56E-04	-6.98E-04
2.68E+02	-2.65E-04	3.64E-04	-7.83E-04
2.68E+02	-2.30E-04	3.56E-04	-8.16E-04
2.68E+02	-1.46E-04	3.23E-04	-7.95E-04
2.68E+02	-9.52E-05	2.85E-04	-6.12E-04
2.68E+02	-6.12E-05	2.24E-04	-4.48E-04
2.68E+02	6.87E-06	1.94E-04	-2.73E-04
2.68E+02	2.82E-05	1.81E-04	-9.35E-05
2.68E+02	2.19E-05	1.23E-04	-4.46E-05
2.68E+02	1.60E-05	7.19E-05	2.78E-05
2.68E+02	1.91E-05	4.31E-05	1.09E-04
2.68E+02	5.21E-05	1.49E-05	1.50E-04
2.68E+02	3.83E-05	-1.24E-05	2.33E-04
2.68E+02	8.01E-06	-4.63E-05	2.82E-04
2.68E+02	2.96E-05	-5.59E-05	2.96E-04
2.68E+02	2.65E-05	-6.33E-05	2.78E-04

2.68E+02	-2.10E-06	-9.82E-05	1.59E-04
2.68E+02	-1.60E-05	-1.10E-04	7.84E-05
2.68E+02	-2.92E-05	-9.82E-05	1.85E-05
2.68E+02	-4.86E-05	-9.04E-05	-1.25E-04
2.68E+02	-1.38E-04	-9.38E-05	-2.44E-04
2.68E+02	-2.74E-04	-9.88E-05	-3.00E-04
2.68E+02	-3.86E-04	-6.54E-05	-2.64E-04
2.68E+02	-5.25E-04	-1.60E-05	-2.19E-04
2.68E+02	-6.65E-04	1.43E-05	-2.76E-04
2.68E+02	-7.43E-04	7.40E-05	-2.75E-04
2.68E+02	-7.70E-04	1.70E-04	-1.97E-04
2.68E+02	-7.60E-04	2.41E-04	-2.09E-04
2.68E+02	-7.60E-04	2.97E-04	-2.82E-04
2.68E+02	-7.29E-04	3.57E-04	-3.17E-04
2.68E+02	-5.93E-04	4.15E-04	-2.48E-04
2.68E+02	-4.47E-04	4.58E-04	-1.19E-04
2.68E+02	-3.19E-04	4.47E-04	-3.64E-05
2.68E+02	-1.66E-04	4.40E-04	1.05E-04
2.68E+02	-2.23E-05	4.41E-04	2.88E-04
2.68E+02	1.01E-04	3.86E-04	3.43E-04
2.68E+02	1.35E-04	3.08E-04	3.14E-04
2.68E+02	9.46E-05	2.44E-04	2.61E-04
2.68E+02	7.90E-05	2.19E-04	2.17E-04
2.68E+02	8.96E-06	1.89E-04	1.54E-04
2.68E+02	-1.11E-04	9.33E-05	-1.60E-05
2.68E+02	-1.73E-04	-8.77E-06	-2.10E-04
2.68E+02	-2.10E-04	-8.56E-05	-3.47E-04
2.68E+02	-2.06E-04	-1.64E-04	-4.61E-04
2.68E+02	-1.75E-04	-2.32E-04	-5.25E-04
2.68E+02	-1.71E-04	-2.86E-04	-5.78E-04
2.69E+02	-9.98E-05	-3.23E-04	-6.24E-04
2.69E+02	3.62E-06	-3.30E-04	-5.73E-04
2.69E+02	6.90E-05	-3.68E-04	-5.47E-04
2.69E+02	1.43E-04	-4.18E-04	-5.55E-04
2.69E+02	2.13E-04	-4.12E-04	-4.95E-04
2.69E+02	2.93E-04	-3.98E-04	-4.74E-04
2.69E+02	3.40E-04	-3.92E-04	-4.90E-04
2.69E+02	3.18E-04	-3.73E-04	-4.51E-04
2.69E+02	3.37E-04	-3.04E-04	-3.59E-04
2.69E+02	3.54E-04	-1.82E-04	-2.47E-04
2.69E+02	2.87E-04	-1.00E-04	-2.05E-04
2.69E+02	2.20E-04	-2.29E-05	-2.23E-04
2.69E+02	1.76E-04	1.06E-04	-2.01E-04
2.69E+02	1.68E-04	2.59E-04	-1.52E-04
2.69E+02	1.69E-04	4.21E-04	-8.45E-05
2.69E+02	1.60E-04	5.53E-04	1.53E-06
2.69E+02	2.11E-04	6.56E-04	5.89E-05

2.69E+02	2.65E-04	7.33E-04	1.57E-04
2.69E+02	2.92E-04	7.49E-04	2.11E-04
2.69E+02	2.97E-04	6.88E-04	1.27E-04
2.69E+02	2.48E-04	6.23E-04	7.50E-05
2.69E+02	1.98E-04	5.69E-04	-5.84E-05
2.69E+02	1.11E-04	4.93E-04	-3.00E-04
2.69E+02	-2.69E-05	4.50E-04	-4.08E-04
2.69E+02	-9.73E-05	4.35E-04	-4.38E-04
2.69E+02	-1.14E-04	4.26E-04	-4.19E-04
2.69E+02	-1.53E-04	3.87E-04	-3.80E-04
2.69E+02	-1.36E-04	3.23E-04	-3.56E-04
2.69E+02	-4.12E-05	2.83E-04	-2.63E-04
2.69E+02	6.28E-05	2.45E-04	-2.02E-04
2.69E+02	1.73E-04	2.04E-04	-2.22E-04
2.69E+02	2.37E-04	1.44E-04	-2.90E-04
2.69E+02	2.64E-04	8.11E-05	-3.61E-04
2.69E+02	2.92E-04	4.23E-05	-3.57E-04
2.69E+02	2.49E-04	-3.47E-05	-3.67E-04
2.69E+02	1.37E-04	-1.12E-04	-3.63E-04
2.69E+02	2.02E-05	-1.52E-04	-2.70E-04
2.69E+02	-8.05E-05	-1.90E-04	-1.95E-04
2.69E+02	-1.97E-04	-1.96E-04	-1.33E-04
2.69E+02	-3.33E-04	-1.61E-04	-4.20E-05
2.69E+02	-4.02E-04	-8.37E-05	6.60E-05
2.69E+02	-4.18E-04	3.38E-05	2.15E-04
2.69E+02	-4.50E-04	1.20E-04	3.10E-04
2.69E+02	-4.37E-04	1.68E-04	3.09E-04
2.69E+02	-3.75E-04	2.37E-04	3.64E-04
2.69E+02	-2.84E-04	2.90E-04	4.16E-04
2.69E+02	-1.70E-04	3.24E-04	3.76E-04
2.69E+02	-1.06E-04	3.64E-04	3.21E-04
2.69E+02	-3.45E-05	3.97E-04	1.79E-04
2.69E+02	7.38E-05	4.58E-04	2.10E-05
2.69E+02	1.21E-04	5.04E-04	-1.01E-04
2.69E+02	1.34E-04	5.05E-04	-2.39E-04
2.69E+02	1.54E-04	5.17E-04	-2.60E-04
2.69E+02	1.82E-04	5.07E-04	-2.17E-04
2.69E+02	2.25E-04	4.73E-04	-1.51E-04
2.69E+02	2.44E-04	4.10E-04	-4.69E-05
2.69E+02	2.74E-04	3.30E-04	2.73E-05
2.69E+02	3.45E-04	2.97E-04	1.66E-04
2.69E+02	3.77E-04	2.47E-04	2.23E-04
2.69E+02	3.78E-04	1.67E-04	1.44E-04
2.69E+02	3.86E-04	1.27E-04	1.33E-04
2.69E+02	4.06E-04	9.40E-05	1.46E-04
2.69E+02	3.99E-04	4.94E-05	1.59E-04
2.69E+02	2.96E-04	-1.24E-05	1.63E-04

2.69E+02	1.79E-04	-9.17E-05	1.17E-04
2.69E+02	1.05E-04	-1.28E-04	9.33E-05
2.69E+02	2.31E-05	-1.21E-04	8.62E-05
2.69E+02	-5.13E-05	-1.22E-04	2.33E-05
2.69E+02	-7.59E-05	-8.91E-05	-4.54E-05
2.69E+02	-4.83E-05	-8.20E-06	-7.36E-05
2.69E+02	9.35E-06	5.99E-05	-1.57E-04
2.69E+02	5.53E-05	1.06E-04	-2.59E-04
2.69E+02	1.19E-04	1.62E-04	-2.94E-04
2.69E+02	2.56E-04	2.45E-04	-2.61E-04
2.69E+02	3.55E-04	3.05E-04	-1.90E-04
2.69E+02	3.86E-04	3.23E-04	-1.96E-04
2.69E+02	4.27E-04	3.53E-04	-1.86E-04
2.69E+02	4.46E-04	3.86E-04	-6.47E-05
2.69E+02	4.22E-04	3.96E-04	5.89E-05
2.69E+02	3.21E-04	4.12E-04	2.00E-04
2.69E+02	1.81E-04	4.20E-04	3.06E-04
2.69E+02	8.14E-05	4.38E-04	3.73E-04
2.69E+02	-3.93E-05	4.69E-04	4.99E-04
2.69E+02	-1.72E-04	4.49E-04	5.91E-04
2.69E+02	-2.59E-04	4.22E-04	6.88E-04
2.69E+02	-3.01E-04	4.25E-04	8.40E-04
2.69E+02	-3.05E-04	3.93E-04	8.78E-04
2.69E+02	-3.21E-04	3.15E-04	8.35E-04
2.69E+02	-3.34E-04	2.25E-04	8.19E-04
2.69E+02	-2.88E-04	1.46E-04	7.79E-04
2.69E+02	-2.48E-04	6.39E-05	7.30E-04
2.69E+02	-2.38E-04	-4.75E-05	6.27E-04
2.69E+02	-1.98E-04	-1.44E-04	4.65E-04
2.69E+02	-1.43E-04	-1.81E-04	3.50E-04
2.69E+02	-8.70E-05	-1.86E-04	2.22E-04
2.69E+02	-6.05E-05	-1.79E-04	1.22E-04
2.69E+02	-7.15E-05	-1.85E-04	5.65E-05
2.69E+02	-4.20E-05	-1.83E-04	-2.46E-05
2.69E+02	-1.81E-05	-1.54E-04	-4.96E-05
2.69E+02	-4.14E-05	-1.47E-04	-1.21E-04
2.69E+02	-4.67E-05	-1.30E-04	-2.24E-04
2.69E+02	-4.94E-05	-7.92E-05	-2.51E-04
2.69E+02	-3.49E-05	-3.07E-05	-2.90E-04
2.69E+02	-4.01E-06	2.12E-05	-2.47E-04
2.69E+02	-1.24E-05	6.92E-05	-9.56E-05
2.69E+02	5.34E-06	1.12E-04	3.81E-05
2.69E+02	2.00E-05	1.52E-04	1.78E-04
2.69E+02	-3.13E-05	1.63E-04	2.53E-04
2.69E+02	-7.76E-05	1.76E-04	2.49E-04
2.69E+02	-1.17E-04	2.20E-04	2.85E-04
2.69E+02	-1.41E-04	2.86E-04	3.50E-04

2.69E+02	-1.57E-04	3.73E-04	4.40E-04
2.69E+02	-2.08E-04	4.35E-04	4.94E-04
2.69E+02	-2.16E-04	4.76E-04	5.00E-04
2.69E+02	-1.90E-04	5.31E-04	5.50E-04
2.69E+02	-2.06E-04	5.62E-04	5.40E-04
2.69E+02	-2.28E-04	5.84E-04	4.33E-04
2.69E+02	-2.49E-04	6.22E-04	3.15E-04
2.69E+02	-2.65E-04	6.48E-04	1.23E-04
2.69E+02	-2.79E-04	6.61E-04	-8.56E-05
2.69E+02	-3.35E-04	6.34E-04	-2.02E-04
2.69E+02	-3.54E-04	5.91E-04	-2.40E-04
2.69E+02	-3.27E-04	5.66E-04	-1.64E-04
2.69E+02	-3.52E-04	4.94E-04	-5.13E-05
2.69E+02	-3.78E-04	3.91E-04	2.37E-05
2.69E+02	-3.57E-04	3.11E-04	1.27E-04
2.69E+02	-3.23E-04	2.54E-04	1.71E-04
2.69E+02	-2.96E-04	2.31E-04	1.39E-04
2.69E+02	-3.04E-04	2.57E-04	1.60E-04
2.69E+02	-2.91E-04	3.29E-04	1.99E-04
2.69E+02	-2.49E-04	4.42E-04	2.29E-04
2.69E+02	-2.51E-04	5.59E-04	2.29E-04
2.69E+02	-2.54E-04	6.61E-04	1.79E-04
2.69E+02	-2.33E-04	7.64E-04	2.04E-04
2.69E+02	-1.91E-04	8.47E-04	2.49E-04
2.69E+02	-1.49E-04	8.92E-04	1.79E-04
2.69E+02	-1.63E-04	9.17E-04	8.03E-05
2.69E+02	-1.59E-04	9.61E-04	-4.96E-06
2.69E+02	-1.50E-04	1.01E-03	-8.53E-05
2.69E+02	-2.01E-04	1.02E-03	-1.98E-04
2.69E+02	-2.22E-04	9.87E-04	-3.38E-04
2.69E+02	-2.03E-04	9.68E-04	-3.41E-04
2.69E+02	-1.48E-04	9.39E-04	-2.44E-04
2.69E+02	-5.44E-05	8.91E-04	-1.56E-04
2.69E+02	1.26E-05	8.50E-04	-4.02E-05
2.69E+02	8.51E-05	8.16E-04	4.31E-05
2.69E+02	1.82E-04	8.03E-04	1.24E-04
2.69E+02	2.16E-04	7.98E-04	2.22E-04
2.69E+02	2.04E-04	7.76E-04	2.23E-04
2.69E+02	1.89E-04	7.82E-04	2.64E-04
2.69E+02	1.55E-04	8.14E-04	3.80E-04
2.69E+02	1.32E-04	8.03E-04	4.22E-04
2.69E+02	3.83E-05	7.48E-04	4.72E-04
2.69E+02	-8.98E-05	6.93E-04	4.78E-04
2.69E+02	-1.44E-04	6.45E-04	4.38E-04
2.69E+02	-2.45E-04	5.86E-04	4.37E-04
2.69E+02	-3.50E-04	4.89E-04	3.43E-04
2.69E+02	-3.95E-04	4.09E-04	2.83E-04

2.69E+02	-4.31E-04	3.75E-04	2.86E-04
2.69E+02	-4.19E-04	3.48E-04	2.93E-04
2.69E+02	-4.15E-04	3.40E-04	3.88E-04
2.69E+02	-3.91E-04	3.19E-04	3.78E-04
2.69E+02	-2.90E-04	3.22E-04	3.07E-04
2.69E+02	-2.14E-04	3.73E-04	3.03E-04
2.69E+02	-1.41E-04	3.62E-04	2.06E-04
2.69E+02	-6.12E-05	3.53E-04	9.71E-05
2.69E+02	-5.91E-06	3.50E-04	2.44E-05
2.69E+02	4.60E-05	2.71E-04	-8.60E-05
2.69E+02	2.57E-05	2.15E-04	-1.35E-04
2.69E+02	-3.34E-05	1.91E-04	-1.13E-04
2.69E+02	-6.45E-05	2.01E-04	-4.44E-05
2.69E+02	-1.31E-04	2.59E-04	5.26E-05
2.69E+02	-2.16E-04	2.93E-04	1.13E-04
2.69E+02	-2.87E-04	3.32E-04	1.91E-04
2.69E+02	-3.44E-04	3.87E-04	2.57E-04
2.69E+02	-3.76E-04	4.47E-04	2.22E-04
2.69E+02	-4.50E-04	5.13E-04	1.25E-04
2.69E+02	-5.48E-04	5.44E-04	-1.79E-05
2.69E+02	-5.80E-04	5.69E-04	-1.51E-04
2.69E+02	-6.05E-04	5.95E-04	-1.97E-04
2.69E+02	-6.44E-04	5.73E-04	-2.37E-04
2.69E+02	-6.58E-04	5.24E-04	-2.44E-04
2.69E+02	-6.75E-04	4.94E-04	-1.84E-04
2.69E+02	-6.73E-04	4.48E-04	-1.93E-04
2.69E+02	-6.79E-04	3.92E-04	-1.74E-04
2.69E+02	-7.03E-04	3.51E-04	-1.22E-04
2.69E+02	-6.62E-04	3.25E-04	-9.42E-05
2.69E+02	-6.18E-04	3.39E-04	6.87E-06
2.69E+02	-6.16E-04	3.33E-04	1.39E-05
2.69E+02	-5.95E-04	3.10E-04	-5.38E-05
2.69E+02	-5.70E-04	3.14E-04	-4.22E-05
2.69E+02	-5.38E-04	3.12E-04	-4.27E-05
2.69E+02	-5.29E-04	3.08E-04	-3.59E-05
2.69E+02	-5.64E-04	3.00E-04	-2.44E-05
2.69E+02	-5.55E-04	3.14E-04	-3.38E-05
2.69E+02	-5.41E-04	3.75E-04	1.53E-05
2.69E+02	-5.95E-04	4.12E-04	4.46E-05
2.69E+02	-6.49E-04	4.01E-04	6.20E-05
2.69E+02	-6.94E-04	3.99E-04	1.94E-04
2.69E+02	-7.10E-04	3.80E-04	2.98E-04
2.70E+02	-7.18E-04	3.23E-04	3.21E-04
2.70E+02	-7.72E-04	2.69E-04	3.21E-04
2.70E+02	-7.70E-04	2.42E-04	2.74E-04
2.70E+02	-7.20E-04	2.69E-04	2.69E-04
2.70E+02	-7.01E-04	2.72E-04	2.16E-04

2.70E+02	-6.51E-04	2.30E-04	1.01E-04
2.70E+02	-5.79E-04	2.27E-04	5.26E-05
2.70E+02	-5.08E-04	2.10E-04	-5.09E-05
2.70E+02	-4.43E-04	1.75E-04	-2.08E-04
2.70E+02	-4.23E-04	1.58E-04	-3.12E-04
2.70E+02	-3.56E-04	1.45E-04	-3.51E-04
2.70E+02	-2.56E-04	1.41E-04	-3.29E-04
2.70E+02	-2.09E-04	9.77E-05	-3.50E-04
2.70E+02	-1.66E-04	4.77E-05	-4.44E-04
2.70E+02	-1.34E-04	2.23E-05	-5.00E-04
2.70E+02	-1.05E-04	-1.79E-05	-5.28E-04
2.70E+02	-9.38E-05	-6.81E-05	-5.53E-04
2.70E+02	-1.55E-04	-1.08E-04	-5.04E-04
2.70E+02	-2.05E-04	-1.08E-04	-4.18E-04
2.70E+02	-2.38E-04	-8.53E-05	-3.12E-04
2.70E+02	-3.27E-04	-7.44E-05	-1.99E-04
2.70E+02	-4.11E-04	-8.22E-05	-1.36E-04
2.70E+02	-4.56E-04	-8.89E-05	-4.48E-05
2.70E+02	-4.78E-04	-8.96E-05	7.63E-05
2.70E+02	-4.58E-04	-9.48E-05	1.71E-04
2.70E+02	-4.31E-04	-1.02E-04	2.33E-04
2.70E+02	-3.68E-04	-1.14E-04	2.41E-04
2.70E+02	-2.34E-04	-1.03E-04	2.83E-04
2.70E+02	-1.50E-04	-1.16E-04	3.26E-04
2.70E+02	-9.59E-05	-1.65E-04	3.15E-04
2.70E+02	-1.03E-05	-1.77E-04	3.37E-04
2.70E+02	6.47E-05	-2.14E-04	3.02E-04
2.70E+02	1.23E-04	-2.99E-04	1.72E-04
2.70E+02	1.37E-04	-3.96E-04	5.34E-05
2.70E+02	1.69E-04	-4.97E-04	-4.71E-05
2.70E+02	2.53E-04	-5.50E-04	-1.04E-04
2.70E+02	3.08E-04	-5.96E-04	-1.71E-04
2.70E+02	3.61E-04	-6.64E-04	-3.05E-04
2.70E+02	4.40E-04	-6.83E-04	-3.72E-04
2.70E+02	5.38E-04	-6.78E-04	-3.70E-04
2.70E+02	6.15E-04	-6.69E-04	-3.48E-04
2.70E+02	6.11E-04	-6.58E-04	-2.82E-04
2.70E+02	5.55E-04	-6.77E-04	-2.41E-04
2.70E+02	4.86E-04	-6.77E-04	-1.91E-04
2.70E+02	3.55E-04	-6.81E-04	-1.58E-04
2.70E+02	1.76E-04	-7.37E-04	-2.48E-04
2.70E+02	2.73E-05	-7.74E-04	-2.72E-04
2.70E+02	-9.12E-05	-7.98E-04	-2.21E-04
2.70E+02	-1.71E-04	-8.44E-04	-2.61E-04
2.70E+02	-2.29E-04	-8.51E-04	-2.77E-04
2.70E+02	-2.53E-04	-8.02E-04	-2.66E-04
2.70E+02	-1.90E-04	-6.90E-04	-2.63E-04

2.70E+02	-1.38E-04	-5.71E-04	-2.80E-04
2.70E+02	-1.16E-04	-5.42E-04	-3.84E-04
2.70E+02	-6.98E-05	-5.62E-04	-4.28E-04
2.70E+02	-3.30E-05	-5.83E-04	-3.75E-04
2.70E+02	1.34E-06	-6.15E-04	-3.31E-04
2.70E+02	-1.26E-05	-6.47E-04	-2.54E-04
2.70E+02	-5.95E-05	-6.67E-04	-1.69E-04
2.70E+02	-4.46E-05	-6.44E-04	-1.10E-04
2.70E+02	-3.11E-05	-6.10E-04	-5.49E-05
2.70E+02	-5.15E-05	-6.01E-04	-4.96E-05
2.70E+02	-4.02E-05	-5.62E-04	-3.72E-05
2.70E+02	-7.44E-06	-5.12E-04	3.62E-06
2.70E+02	3.13E-05	-4.96E-04	-1.37E-05
2.70E+02	5.93E-05	-5.09E-04	-2.78E-05
2.70E+02	6.89E-05	-5.55E-04	-1.13E-05
2.70E+02	1.23E-04	-5.77E-04	2.98E-05
2.70E+02	1.89E-04	-5.45E-04	7.61E-05
2.70E+02	2.26E-04	-4.96E-04	2.42E-05
2.70E+02	2.82E-04	-4.31E-04	-4.73E-05
2.70E+02	3.34E-04	-3.70E-04	-9.12E-05
2.70E+02	3.65E-04	-3.39E-04	-1.82E-04
2.70E+02	3.47E-04	-3.24E-04	-2.63E-04
2.70E+02	2.99E-04	-3.26E-04	-3.37E-04
2.70E+02	3.06E-04	-3.20E-04	-3.96E-04
2.70E+02	3.05E-04	-3.02E-04	-3.81E-04
2.70E+02	2.61E-04	-3.16E-04	-3.83E-04
2.70E+02	2.16E-04	-3.32E-04	-3.57E-04
2.70E+02	1.63E-04	-3.35E-04	-2.64E-04
2.70E+02	1.36E-04	-3.81E-04	-2.44E-04
2.70E+02	1.04E-04	-4.68E-04	-2.52E-04
2.70E+02	5.30E-05	-5.74E-04	-2.53E-04
2.70E+02	6.89E-05	-6.61E-04	-2.53E-04
2.70E+02	1.12E-04	-7.26E-04	-2.16E-04
2.70E+02	1.62E-04	-8.11E-04	-2.56E-04
2.70E+02	2.68E-04	-8.79E-04	-3.00E-04
2.70E+02	4.10E-04	-8.87E-04	-2.34E-04
2.70E+02	5.74E-04	-8.60E-04	-1.75E-04
2.70E+02	6.89E-04	-8.00E-04	-1.14E-04
2.70E+02	7.16E-04	-7.40E-04	-8.93E-05
2.70E+02	7.18E-04	-7.22E-04	-1.67E-04
2.70E+02	6.81E-04	-7.25E-04	-2.16E-04
2.70E+02	5.80E-04	-7.79E-04	-2.80E-04
2.70E+02	4.58E-04	-8.66E-04	-3.73E-04
2.70E+02	3.39E-04	-8.98E-04	-3.70E-04
2.70E+02	2.57E-04	-9.00E-04	-3.74E-04
2.70E+02	1.87E-04	-8.74E-04	-4.05E-04
2.70E+02	1.05E-04	-8.09E-04	-4.01E-04

2.70E+02	9.17E-05	-7.27E-04	-4.03E-04
2.70E+02	1.18E-04	-6.35E-04	-3.87E-04
2.70E+02	1.05E-04	-5.87E-04	-3.78E-04
2.70E+02	1.03E-04	-5.63E-04	-3.43E-04
2.70E+02	1.13E-04	-5.25E-04	-2.23E-04
2.70E+02	1.31E-04	-5.05E-04	-1.32E-04
2.70E+02	1.36E-04	-4.90E-04	-9.27E-05
2.70E+02	9.35E-05	-4.80E-04	-6.50E-05
2.70E+02	9.86E-05	-4.59E-04	-8.72E-05
2.70E+02	1.55E-04	-3.88E-04	-9.00E-05
2.70E+02	1.84E-04	-3.23E-04	-9.86E-05
2.70E+02	2.26E-04	-2.88E-04	-1.44E-04
2.70E+02	2.72E-04	-2.80E-04	-1.14E-04
2.70E+02	3.09E-04	-3.44E-04	-9.61E-05
2.70E+02	3.47E-04	-4.45E-04	-7.63E-05
2.70E+02	3.02E-04	-5.45E-04	2.29E-06
2.70E+02	2.44E-04	-6.08E-04	4.01E-05
2.70E+02	2.29E-04	-5.64E-04	7.32E-05
2.70E+02	1.45E-04	-4.67E-04	3.95E-05
2.70E+02	5.07E-05	-3.53E-04	-5.70E-05
2.70E+02	-1.34E-06	-2.21E-04	-9.33E-05
2.70E+02	-4.86E-05	-1.29E-04	-1.43E-04
2.70E+02	-9.14E-05	-1.01E-04	-2.32E-04
2.70E+02	-1.51E-04	-1.37E-04	-3.48E-04
2.70E+02	-1.32E-04	-1.98E-04	-4.96E-04
2.70E+02	-1.87E-05	-2.31E-04	-6.07E-04
2.70E+02	8.24E-05	-2.63E-04	-7.15E-04
2.70E+02	1.78E-04	-3.03E-04	-8.26E-04
2.70E+02	2.45E-04	-2.95E-04	-8.36E-04
2.70E+02	2.89E-04	-2.62E-04	-7.99E-04
2.70E+02	3.26E-04	-2.23E-04	-7.72E-04
2.70E+02	3.00E-04	-1.64E-04	-6.81E-04
2.70E+02	2.90E-04	-8.68E-05	-5.27E-04
2.70E+02	3.11E-04	2.77E-05	-3.26E-04
2.70E+02	2.86E-04	1.46E-04	-1.19E-04
2.70E+02	2.66E-04	2.34E-04	-5.15E-06
2.70E+02	2.74E-04	3.24E-04	1.10E-04
2.70E+02	3.13E-04	3.96E-04	2.80E-04
2.70E+02	3.51E-04	3.95E-04	3.86E-04
2.70E+02	3.32E-04	3.55E-04	4.49E-04
2.70E+02	3.41E-04	3.25E-04	4.52E-04
2.70E+02	3.83E-04	2.83E-04	3.94E-04
2.70E+02	3.88E-04	2.22E-04	3.60E-04
2.70E+02	3.80E-04	1.51E-04	2.67E-04
2.70E+02	3.86E-04	9.77E-05	1.83E-04
2.70E+02	4.09E-04	8.58E-05	1.28E-04
2.70E+02	4.50E-04	6.28E-05	-3.15E-05

2.70E+02	4.59E-04	-1.53E-06	-1.88E-04
2.70E+02	4.64E-04	-8.18E-05	-3.11E-04
2.70E+02	5.26E-04	-1.28E-04	-4.19E-04
2.70E+02	5.54E-04	-1.52E-04	-4.99E-04
2.70E+02	5.35E-04	-1.96E-04	-6.50E-04
2.70E+02	5.48E-04	-1.94E-04	-7.25E-04
2.70E+02	5.67E-04	-1.61E-04	-6.49E-04
2.70E+02	5.95E-04	-1.46E-04	-5.42E-04
2.70E+02	5.95E-04	-1.35E-04	-3.62E-04
2.70E+02	5.62E-04	-1.58E-04	-1.97E-04
2.70E+02	5.87E-04	-1.66E-04	-7.92E-05
2.70E+02	6.10E-04	-1.43E-04	7.08E-05
2.70E+02	6.07E-04	-1.42E-04	1.52E-04
2.70E+02	6.39E-04	-1.35E-04	2.48E-04
2.70E+02	6.74E-04	-1.15E-04	4.18E-04
2.70E+02	7.01E-04	-1.14E-04	5.07E-04
2.70E+02	6.88E-04	-1.48E-04	5.48E-04
2.70E+02	6.43E-04	-1.89E-04	5.41E-04
2.70E+02	6.36E-04	-2.08E-04	4.76E-04
2.70E+02	6.00E-04	-2.26E-04	3.99E-04
2.70E+02	5.28E-04	-2.81E-04	2.09E-04
2.70E+02	4.94E-04	-3.33E-04	1.89E-05
2.70E+02	4.76E-04	-3.37E-04	-6.31E-05
2.70E+02	4.84E-04	-3.25E-04	-1.42E-04
2.70E+02	4.87E-04	-3.10E-04	-1.29E-04
2.70E+02	4.67E-04	-3.02E-04	-2.38E-05
2.70E+02	5.11E-04	-2.86E-04	8.26E-05
2.70E+02	5.41E-04	-2.43E-04	1.88E-04
2.70E+02	5.10E-04	-2.12E-04	1.87E-04
2.70E+02	4.93E-04	-1.54E-04	1.32E-04
2.70E+02	4.68E-04	-3.72E-05	1.40E-04
2.70E+02	4.71E-04	7.19E-05	1.39E-04
2.70E+02	4.63E-04	1.54E-04	1.71E-04
2.70E+02	4.14E-04	1.96E-04	2.41E-04
2.70E+02	4.45E-04	2.05E-04	2.80E-04
2.70E+02	4.87E-04	2.03E-04	3.23E-04
2.70E+02	4.95E-04	1.44E-04	2.83E-04
2.70E+02	5.27E-04	5.74E-05	1.98E-04
2.70E+02	5.57E-04	-8.20E-06	1.90E-04
2.70E+02	5.99E-04	-6.05E-05	1.67E-04
2.70E+02	6.04E-04	-8.83E-05	1.38E-04
2.70E+02	5.59E-04	-1.17E-04	1.00E-04
2.70E+02	5.41E-04	-1.45E-04	-2.29E-06
2.70E+02	5.30E-04	-1.45E-04	-5.57E-05
2.70E+02	5.15E-04	-1.61E-04	-1.08E-04
2.70E+02	5.19E-04	-1.89E-04	-1.83E-04
2.70E+02	5.38E-04	-1.76E-04	-1.60E-04

2.70E+02	5.79E-04	-1.61E-04	-1.61E-04
2.70E+02	5.91E-04	-1.79E-04	-1.76E-04
2.70E+02	5.37E-04	-2.03E-04	-9.82E-05
2.70E+02	4.94E-04	-2.00E-04	2.14E-05
2.70E+02	4.47E-04	-1.67E-04	1.80E-04
2.70E+02	3.57E-04	-1.64E-04	2.72E-04
2.70E+02	3.04E-04	-1.77E-04	2.91E-04
2.71E+02	3.11E-04	-1.63E-04	3.42E-04
2.71E+02	3.64E-04	-1.54E-04	3.73E-04
2.71E+02	4.31E-04	-1.30E-04	4.20E-04
2.71E+02	4.77E-04	-1.06E-04	4.91E-04
2.71E+02	5.59E-04	-8.39E-05	5.33E-04
2.71E+02	6.73E-04	-3.11E-05	5.86E-04
2.71E+02	7.36E-04	-2.82E-05	5.48E-04
2.71E+02	7.85E-04	-6.18E-05	4.09E-04
2.71E+02	8.46E-04	-6.03E-05	3.18E-04
2.71E+02	8.89E-04	-4.83E-05	2.25E-04
2.71E+02	9.00E-04	-9.92E-06	1.54E-04
2.71E+02	8.43E-04	5.78E-05	1.97E-04
2.71E+02	7.77E-04	1.41E-04	2.81E-04
2.71E+02	7.19E-04	2.37E-04	3.91E-04
2.71E+02	6.14E-04	2.88E-04	4.60E-04
2.71E+02	5.21E-04	2.78E-04	4.30E-04
2.71E+02	4.58E-04	2.57E-04	4.26E-04
2.71E+02	4.29E-04	2.32E-04	4.11E-04
2.71E+02	4.35E-04	2.07E-04	3.97E-04
2.71E+02	4.18E-04	1.91E-04	4.65E-04
2.71E+02	4.39E-04	1.69E-04	5.33E-04
2.71E+02	5.11E-04	1.46E-04	6.02E-04
2.71E+02	5.27E-04	8.37E-05	6.14E-04
2.71E+02	5.19E-04	-8.58E-06	5.23E-04
2.71E+02	5.28E-04	-6.20E-05	4.83E-04
2.71E+02	5.36E-04	-1.07E-04	4.47E-04
2.71E+02	5.34E-04	-1.53E-04	3.69E-04
2.71E+02	4.68E-04	-2.10E-04	3.51E-04
2.71E+02	3.98E-04	-2.75E-04	3.04E-04
2.71E+02	3.68E-04	-2.99E-04	2.47E-04
2.71E+02	3.24E-04	-3.14E-04	1.80E-04
2.71E+02	3.12E-04	-3.33E-04	3.59E-05
2.71E+02	3.52E-04	-3.30E-04	-2.86E-05
2.71E+02	4.19E-04	-3.19E-04	-6.29E-05
2.71E+02	4.91E-04	-3.02E-04	-1.39E-04
2.71E+02	5.06E-04	-2.62E-04	-1.49E-04
2.71E+02	5.18E-04	-2.06E-04	-1.49E-04
2.71E+02	5.53E-04	-1.21E-04	-1.04E-04
2.71E+02	5.25E-04	-8.77E-06	-1.34E-05
2.71E+02	4.67E-04	1.01E-04	3.26E-05

2.71E+02	4.20E-04	2.34E-04	1.37E-04
2.71E+02	3.89E-04	3.68E-04	2.47E-04
2.71E+02	3.70E-04	4.51E-04	2.73E-04
2.71E+02	2.99E-04	4.94E-04	3.11E-04
2.71E+02	2.30E-04	5.11E-04	3.89E-04
2.71E+02	2.07E-04	5.44E-04	5.22E-04
2.71E+02	1.45E-04	5.51E-04	6.20E-04
2.71E+02	8.07E-05	4.82E-04	5.82E-04
2.71E+02	5.87E-05	4.05E-04	5.34E-04
2.71E+02	5.80E-05	3.28E-04	4.98E-04
2.71E+02	7.00E-05	2.49E-04	4.11E-04
2.71E+02	4.35E-05	2.03E-04	3.08E-04
2.71E+02	-8.58E-06	1.63E-04	1.55E-04
2.71E+02	-1.66E-05	1.54E-04	1.20E-05
2.71E+02	-2.82E-05	1.69E-04	-3.78E-05
2.71E+02	-7.92E-05	1.35E-04	-8.56E-05
2.71E+02	-1.22E-04	8.74E-05	-8.85E-05
2.71E+02	-1.56E-04	4.84E-05	-2.99E-05
2.71E+02	-1.73E-04	-1.05E-05	-3.81E-07
2.71E+02	-1.94E-04	-6.41E-05	5.89E-05
2.71E+02	-1.99E-04	-8.60E-05	1.18E-04
2.71E+02	-1.23E-04	-4.31E-05	1.36E-04
2.71E+02	-5.15E-05	2.86E-05	9.52E-05
2.71E+02	-9.54E-06	5.86E-05	-5.38E-05
2.71E+02	5.26E-05	8.85E-05	-1.63E-04
2.71E+02	1.05E-04	1.23E-04	-2.04E-04
2.71E+02	1.58E-04	1.13E-04	-2.75E-04
2.71E+02	1.73E-04	7.92E-05	-2.97E-04
2.71E+02	1.39E-04	3.36E-05	-2.42E-04
2.71E+02	1.33E-04	4.20E-06	-1.42E-04
2.71E+02	1.06E-04	8.01E-06	7.63E-07
2.71E+02	3.72E-05	7.25E-06	8.89E-05
2.71E+02	-1.58E-05	1.07E-05	1.58E-04
2.71E+02	-6.05E-05	1.64E-05	2.46E-04
2.71E+02	-7.88E-05	-1.56E-05	2.22E-04
2.71E+02	-1.20E-04	-7.71E-05	1.41E-04
2.71E+02	-1.87E-04	-1.36E-04	8.11E-05
2.71E+02	-2.08E-04	-1.75E-04	2.29E-05
2.71E+02	-2.57E-04	-1.93E-04	-7.82E-06
2.71E+02	-3.22E-04	-2.12E-04	-1.01E-04
2.71E+02	-3.44E-04	-2.18E-04	-2.39E-04
2.71E+02	-3.64E-04	-1.93E-04	-3.06E-04
2.71E+02	-3.69E-04	-1.55E-04	-3.64E-04
2.71E+02	-3.97E-04	-1.16E-04	-4.00E-04
2.71E+02	-4.53E-04	-7.42E-05	-3.64E-04
2.71E+02	-4.45E-04	-2.42E-05	-3.09E-04
2.71E+02	-4.17E-04	2.86E-06	-2.49E-04

2.71E+02	-4.28E-04	-3.59E-05	-2.62E-04
2.71E+02	-4.25E-04	-1.01E-04	-3.31E-04
2.71E+02	-3.86E-04	-1.59E-04	-3.46E-04
2.71E+02	-2.99E-04	-2.39E-04	-3.73E-04
2.71E+02	-2.08E-04	-3.35E-04	-3.92E-04
2.71E+02	-1.46E-04	-4.33E-04	-3.36E-04
2.71E+02	-3.91E-05	-5.09E-04	-2.30E-04
2.71E+02	7.44E-05	-5.47E-04	-7.17E-05
2.71E+02	1.21E-04	-6.02E-04	2.67E-06
2.71E+02	1.59E-04	-6.57E-04	-2.16E-05
2.71E+02	1.89E-04	-6.65E-04	3.05E-06
2.71E+02	2.02E-04	-6.39E-04	1.70E-05
2.71E+02	1.85E-04	-5.65E-04	-1.34E-06
2.71E+02	1.21E-04	-4.62E-04	-2.25E-05
2.71E+02	9.10E-05	-3.54E-04	-8.20E-05
2.71E+02	7.04E-05	-2.55E-04	-1.05E-04
2.71E+02	4.01E-06	-2.05E-04	-9.19E-05
2.71E+02	-4.06E-05	-1.87E-04	-7.36E-05
2.71E+02	-6.31E-05	-1.58E-04	8.01E-06
2.71E+02	-7.63E-05	-1.49E-04	5.15E-05
2.71E+02	-9.77E-05	-1.81E-04	1.62E-05
2.71E+02	-1.73E-04	-2.29E-04	-3.49E-05
2.71E+02	-2.17E-04	-2.53E-04	-1.21E-04
2.71E+02	-2.17E-04	-2.40E-04	-1.71E-04
2.71E+02	-2.51E-04	-2.53E-04	-2.34E-04
2.71E+02	-2.40E-04	-2.96E-04	-3.35E-04
2.71E+02	-1.65E-04	-3.28E-04	-3.55E-04
2.71E+02	-7.93E-05	-3.91E-04	-3.80E-04
2.71E+02	1.14E-06	-4.91E-04	-4.24E-04
2.71E+02	1.07E-05	-6.15E-04	-4.17E-04
2.71E+02	1.56E-05	-7.31E-04	-3.98E-04
2.71E+02	4.23E-05	-7.87E-04	-3.33E-04
2.71E+02	3.62E-06	-8.25E-04	-2.53E-04
2.71E+02	-4.98E-05	-8.60E-04	-2.12E-04
2.71E+02	-7.53E-05	-8.72E-04	-1.42E-04
2.71E+02	-7.63E-05	-8.84E-04	-1.08E-04
2.71E+02	-6.14E-05	-9.03E-04	-1.44E-04
2.71E+02	-6.73E-05	-9.14E-04	-1.46E-04
2.71E+02	-3.51E-05	-8.97E-04	-1.23E-04
2.71E+02	4.77E-05	-8.42E-04	-5.66E-05
2.71E+02	9.23E-05	-7.94E-04	-1.53E-06
2.71E+02	1.14E-04	-7.68E-04	-2.63E-05
2.71E+02	1.55E-04	-7.11E-04	1.41E-05
2.71E+02	1.96E-04	-6.45E-04	5.47E-05
2.71E+02	2.28E-04	-6.03E-04	7.63E-07
2.71E+02	2.41E-04	-5.67E-04	-6.26E-05
2.71E+02	2.74E-04	-5.46E-04	-1.59E-04

2.71E+02	3.46E-04	-5.42E-04	-2.20E-04
2.71E+02	3.63E-04	-5.91E-04	-2.35E-04
2.71E+02	3.32E-04	-7.02E-04	-3.03E-04
2.71E+02	2.86E-04	-7.98E-04	-3.16E-04
2.71E+02	2.30E-04	-8.70E-04	-3.13E-04
2.71E+02	1.96E-04	-9.23E-04	-3.71E-04
2.71E+02	1.17E-04	-9.21E-04	-3.33E-04
2.71E+02	5.07E-05	-8.72E-04	-2.24E-04
2.71E+02	4.52E-05	-7.78E-04	-1.17E-04
2.71E+02	-2.86E-06	-6.93E-04	-3.95E-05
2.71E+02	-4.75E-05	-6.62E-04	-4.81E-05
2.71E+02	-5.55E-05	-6.28E-04	-3.22E-05
2.71E+02	-5.00E-05	-5.98E-04	-9.54E-07
2.71E+02	-3.03E-05	-5.83E-04	-1.09E-05
2.71E+02	-5.89E-05	-5.66E-04	-1.18E-05
2.71E+02	-7.92E-05	-5.58E-04	-5.55E-05
2.71E+02	-3.97E-05	-5.25E-04	-8.79E-05
2.71E+02	-3.87E-05	-4.95E-04	-8.89E-05
2.71E+02	-4.94E-05	-4.91E-04	-1.06E-04
2.71E+02	-2.80E-05	-4.63E-04	-4.67E-05
2.71E+02	-6.87E-06	-4.34E-04	2.17E-05
2.71E+02	4.98E-05	-4.17E-04	2.75E-05
2.71E+02	8.60E-05	-3.89E-04	5.23E-05
2.71E+02	9.67E-05	-3.68E-04	7.36E-05
2.71E+02	1.57E-04	-3.05E-04	1.17E-04
2.71E+02	1.89E-04	-2.20E-04	1.80E-04
2.71E+02	1.86E-04	-1.83E-04	1.54E-04
2.71E+02	1.90E-04	-1.39E-04	1.14E-04
2.71E+02	1.88E-04	-9.42E-05	1.03E-04
2.71E+02	1.73E-04	-6.89E-05	6.50E-05
2.71E+02	7.19E-05	-3.83E-05	4.43E-05
2.71E+02	-7.17E-05	-1.35E-05	3.60E-05
2.71E+02	-1.76E-04	1.79E-05	4.62E-05
2.71E+02	-3.04E-04	4.12E-05	8.07E-05
2.71E+02	-4.29E-04	3.19E-05	5.82E-05
2.71E+02	-5.26E-04	3.62E-06	2.21E-05
2.71E+02	-5.81E-04	-2.33E-05	3.59E-05
2.71E+02	-5.53E-04	-5.59E-05	6.22E-05
2.71E+02	-5.19E-04	-1.21E-04	1.54E-04
2.71E+02	-4.90E-04	-2.14E-04	2.91E-04
2.71E+02	-4.10E-04	-3.16E-04	3.81E-04
2.71E+02	-3.53E-04	-4.16E-04	3.99E-04
2.71E+02	-3.55E-04	-5.37E-04	2.56E-04
2.71E+02	-3.44E-04	-6.33E-04	5.86E-05
2.71E+02	-3.19E-04	-6.48E-04	-4.75E-05
2.71E+02	-2.93E-04	-6.20E-04	-1.45E-04
2.71E+02	-2.91E-04	-5.62E-04	-2.13E-04

2.71E+02	-3.25E-04	-4.95E-04	-2.29E-04
2.71E+02	-3.13E-04	-4.17E-04	-2.10E-04
2.71E+02	-3.07E-04	-3.14E-04	-1.28E-04
2.71E+02	-3.66E-04	-2.43E-04	-6.66E-05
2.71E+02	-4.01E-04	-1.64E-04	-1.24E-05
2.71E+02	-4.15E-04	-5.26E-05	7.21E-05
2.71E+02	-3.97E-04	5.07E-05	8.43E-05
2.71E+02	-3.62E-04	1.56E-04	7.74E-05
2.71E+02	-3.53E-04	2.45E-04	8.96E-05
2.71E+02	-2.85E-04	3.23E-04	8.56E-05
2.71E+02	-1.91E-04	3.93E-04	9.27E-05
2.71E+02	-1.31E-04	4.08E-04	3.68E-05
2.71E+02	-5.53E-05	4.02E-04	-2.98E-05
2.71E+02	2.52E-05	4.11E-04	-1.49E-05
2.71E+02	8.24E-05	4.10E-04	-3.20E-05
2.71E+02	7.08E-05	3.92E-04	-8.60E-05
2.71E+02	-2.14E-05	3.55E-04	-1.39E-04
2.71E+02	-1.02E-04	3.24E-04	-1.79E-04
2.71E+02	-1.77E-04	3.24E-04	-1.47E-04
2.72E+02	-2.99E-04	3.06E-04	-1.24E-04
2.72E+02	-4.12E-04	2.70E-04	-9.56E-05
2.72E+02	-4.92E-04	2.47E-04	2.04E-05
2.72E+02	-5.43E-04	1.87E-04	9.25E-05
2.72E+02	-5.89E-04	9.25E-05	1.24E-04
2.72E+02	-6.63E-04	-6.29E-06	1.67E-04
2.72E+02	-6.78E-04	-8.24E-05	1.98E-04
2.72E+02	-6.41E-04	-1.06E-04	2.80E-04
2.72E+02	-6.09E-04	-1.33E-04	3.11E-04
2.72E+02	-5.33E-04	-1.68E-04	2.68E-04
2.72E+02	-4.14E-04	-1.85E-04	2.71E-04
2.72E+02	-2.78E-04	-2.16E-04	2.51E-04
2.72E+02	-1.69E-04	-2.49E-04	1.87E-04
2.72E+02	-1.29E-04	-2.93E-04	8.81E-05
2.72E+02	-7.06E-05	-3.16E-04	-5.23E-05
2.72E+02	7.06E-06	-2.80E-04	-1.18E-04
2.72E+02	3.68E-05	-2.58E-04	-1.35E-04
2.72E+02	8.26E-05	-2.28E-04	-1.47E-04
2.72E+02	1.41E-04	-1.66E-04	-1.17E-04
2.72E+02	2.08E-04	-9.50E-05	-1.38E-04
2.72E+02	2.93E-04	-7.63E-06	-2.22E-04
2.72E+02	3.09E-04	4.54E-05	-2.78E-04
2.72E+02	3.24E-04	9.25E-05	-2.96E-04
2.72E+02	3.56E-04	1.68E-04	-2.49E-04
2.72E+02	3.11E-04	2.10E-04	-1.85E-04
2.72E+02	2.49E-04	2.14E-04	-1.55E-04
2.72E+02	1.79E-04	2.23E-04	-5.65E-05
2.72E+02	1.03E-04	2.37E-04	3.32E-05

2.72E+02	3.87E-05	2.37E-04	5.26E-05
2.72E+02	-7.61E-05	2.26E-04	6.71E-05
2.72E+02	-1.49E-04	1.98E-04	4.81E-05
2.72E+02	-1.42E-04	1.80E-04	4.88E-05
2.72E+02	-1.54E-04	1.40E-04	4.41E-05
2.72E+02	-1.41E-04	5.87E-05	-1.95E-05
2.72E+02	-9.14E-05	-1.53E-06	-3.17E-05
2.72E+02	-2.08E-05	-6.12E-05	-3.74E-05
2.72E+02	6.45E-05	-1.30E-04	-1.22E-04
2.72E+02	9.23E-05	-1.69E-04	-2.08E-04
2.72E+02	1.07E-04	-1.75E-04	-2.81E-04
2.72E+02	1.41E-04	-1.39E-04	-3.22E-04
2.72E+02	1.26E-04	-9.75E-05	-3.15E-04
2.72E+02	6.29E-05	-9.37E-05	-3.45E-04
2.72E+02	-1.91E-05	-7.46E-05	-3.29E-04
2.72E+02	-8.56E-05	-1.28E-05	-2.40E-04
2.72E+02	-1.43E-04	5.68E-05	-1.73E-04
2.72E+02	-2.51E-04	1.40E-04	-9.59E-05
2.72E+02	-3.46E-04	2.28E-04	-4.33E-05
2.72E+02	-3.64E-04	3.24E-04	-1.83E-05
2.72E+02	-3.96E-04	4.07E-04	1.75E-05
2.72E+02	-4.40E-04	4.44E-04	3.93E-05
2.72E+02	-4.45E-04	4.75E-04	9.61E-05
2.72E+02	-4.23E-04	4.99E-04	1.47E-04
2.72E+02	-3.54E-04	5.00E-04	1.35E-04
2.72E+02	-2.95E-04	4.83E-04	1.40E-04
2.72E+02	-2.48E-04	4.65E-04	1.63E-04
2.72E+02	-1.70E-04	4.97E-04	2.00E-04
2.72E+02	-1.52E-04	5.40E-04	2.30E-04
2.72E+02	-1.85E-04	5.34E-04	1.66E-04
2.72E+02	-2.28E-04	5.31E-04	1.33E-04
2.72E+02	-2.85E-04	5.25E-04	1.88E-04
2.72E+02	-3.38E-04	4.90E-04	2.14E-04
2.72E+02	-4.41E-04	4.35E-04	2.28E-04
2.72E+02	-5.61E-04	3.43E-04	2.12E-04
2.72E+02	-6.17E-04	2.52E-04	1.63E-04
2.72E+02	-6.67E-04	1.89E-04	1.30E-04
2.72E+02	-7.19E-04	1.30E-04	5.91E-05
2.72E+02	-7.41E-04	1.02E-04	-9.73E-06
2.72E+02	-7.42E-04	1.08E-04	-6.01E-05
2.72E+02	-7.11E-04	1.09E-04	-1.84E-04
2.72E+02	-6.85E-04	1.08E-04	-2.90E-04
2.72E+02	-6.64E-04	1.16E-04	-3.17E-04
2.72E+02	-5.93E-04	1.38E-04	-3.07E-04
2.72E+02	-5.42E-04	1.42E-04	-2.89E-04
2.72E+02	-5.39E-04	8.49E-05	-3.55E-04
2.72E+02	-5.19E-04	1.77E-05	-4.36E-04

2.72E+02	-4.74E-04	-1.85E-05	-4.29E-04
2.72E+02	-4.20E-04	-4.44E-05	-3.86E-04
2.72E+02	-4.02E-04	-4.43E-05	-3.01E-04
2.72E+02	-4.16E-04	-2.44E-05	-1.89E-04
2.72E+02	-3.67E-04	2.65E-05	-5.34E-05
2.72E+02	-3.04E-04	1.13E-04	1.32E-04
2.72E+02	-2.76E-04	1.56E-04	2.54E-04
2.72E+02	-2.31E-04	1.63E-04	3.16E-04
2.72E+02	-1.86E-04	1.69E-04	3.69E-04
2.72E+02	-1.46E-04	1.51E-04	3.37E-04
2.72E+02	-1.36E-04	1.35E-04	2.77E-04
2.72E+02	-1.98E-04	1.26E-04	2.29E-04
2.72E+02	-2.43E-04	1.42E-04	1.85E-04
2.72E+02	-3.04E-04	1.90E-04	1.58E-04
2.72E+02	-4.57E-04	1.95E-04	8.37E-05
2.72E+02	-5.98E-04	2.08E-04	6.75E-05
2.72E+02	-7.08E-04	2.75E-04	1.74E-04
2.72E+02	-8.14E-04	3.54E-04	2.53E-04
2.72E+02	-9.19E-04	4.36E-04	2.95E-04
2.72E+02	-1.03E-03	5.02E-04	3.47E-04
2.72E+02	-1.04E-03	5.54E-04	4.04E-04
2.72E+02	-9.84E-04	5.96E-04	4.95E-04
2.72E+02	-9.24E-04	5.96E-04	5.38E-04
2.72E+02	-8.22E-04	5.55E-04	5.17E-04
2.72E+02	-6.87E-04	5.03E-04	5.14E-04
2.72E+02	-5.37E-04	4.39E-04	4.44E-04
2.72E+02	-3.79E-04	3.50E-04	3.22E-04
2.72E+02	-2.84E-04	2.63E-04	2.50E-04
2.72E+02	-1.83E-04	2.19E-04	2.13E-04
2.72E+02	-1.03E-04	2.06E-04	1.88E-04
2.72E+02	-1.11E-04	1.90E-04	1.09E-04
2.72E+02	-9.75E-05	1.91E-04	5.34E-06
2.72E+02	-8.09E-05	2.14E-04	-2.12E-05
2.72E+02	-5.68E-05	2.29E-04	-1.66E-05
2.72E+02	-3.24E-05	2.39E-04	-3.81E-07
2.72E+02	-7.63E-05	2.55E-04	3.99E-05
2.72E+02	-8.07E-05	3.00E-04	6.83E-05
2.72E+02	-5.07E-05	3.80E-04	1.25E-04
2.72E+02	-6.22E-05	4.45E-04	1.80E-04
2.72E+02	-7.93E-05	4.89E-04	2.00E-04
2.72E+02	-1.01E-04	5.54E-04	2.89E-04
2.72E+02	-1.08E-04	6.18E-04	3.70E-04
2.72E+02	-1.27E-04	6.57E-04	3.66E-04
2.72E+02	-2.23E-04	6.80E-04	3.58E-04
2.72E+02	-3.26E-04	6.88E-04	3.29E-04
2.72E+02	-4.23E-04	7.04E-04	3.04E-04
2.72E+02	-5.78E-04	6.90E-04	2.44E-04

2.72E+02	-7.24E-04	6.23E-04	1.19E-04
2.72E+02	-8.29E-04	5.76E-04	9.27E-05
2.72E+02	-9.10E-04	5.37E-04	1.17E-04
2.72E+02	-9.63E-04	4.97E-04	1.07E-04
2.72E+02	-1.03E-03	4.67E-04	1.09E-04
2.72E+02	-1.06E-03	4.30E-04	8.03E-05
2.72E+02	-1.01E-03	4.23E-04	7.48E-05
2.72E+02	-9.67E-04	4.16E-04	1.25E-04
2.72E+02	-9.13E-04	4.11E-04	1.85E-04
2.72E+02	-8.37E-04	4.74E-04	3.17E-04
2.72E+02	-7.32E-04	5.79E-04	4.63E-04
2.72E+02	-6.09E-04	7.01E-04	5.23E-04
2.72E+02	-5.64E-04	8.10E-04	5.57E-04
2.72E+02	-5.49E-04	9.09E-04	6.08E-04
2.72E+02	-5.14E-04	1.02E-03	6.77E-04
2.72E+02	-5.32E-04	1.08E-03	6.83E-04
2.72E+02	-5.74E-04	1.07E-03	5.89E-04
2.72E+02	-5.90E-04	1.05E-03	5.45E-04
2.72E+02	-5.79E-04	1.00E-03	5.38E-04
2.72E+02	-5.41E-04	9.33E-04	5.10E-04
2.72E+02	-5.30E-04	8.65E-04	5.07E-04
2.72E+02	-5.07E-04	8.04E-04	4.55E-04
2.72E+02	-4.26E-04	7.73E-04	3.59E-04
2.72E+02	-3.80E-04	7.48E-04	2.49E-04
2.72E+02	-3.64E-04	6.99E-04	7.13E-05
2.72E+02	-3.63E-04	6.56E-04	-5.30E-05
2.72E+02	-3.68E-04	6.43E-04	-6.75E-05
2.72E+02	-3.70E-04	6.15E-04	-9.37E-05
2.72E+02	-4.32E-04	5.76E-04	-9.44E-05
2.72E+02	-4.98E-04	5.76E-04	-3.78E-05
2.72E+02	-5.08E-04	6.09E-04	4.90E-05
2.72E+02	-5.39E-04	6.46E-04	1.73E-04
2.72E+02	-6.03E-04	6.45E-04	2.26E-04
2.72E+02	-6.60E-04	6.39E-04	2.60E-04
2.72E+02	-7.12E-04	6.45E-04	3.37E-04
2.72E+02	-7.50E-04	6.26E-04	3.52E-04
2.72E+02	-8.01E-04	5.98E-04	3.55E-04
2.72E+02	-8.42E-04	5.55E-04	3.29E-04
2.72E+02	-7.84E-04	5.15E-04	2.62E-04
2.72E+02	-6.83E-04	4.92E-04	2.29E-04
2.72E+02	-5.85E-04	4.45E-04	1.67E-04
2.72E+02	-4.50E-04	4.06E-04	1.34E-04
2.72E+02	-2.99E-04	3.96E-04	1.74E-04
2.72E+02	-1.32E-04	3.81E-04	1.74E-04
2.72E+02	5.91E-06	3.58E-04	1.77E-04
2.72E+02	9.84E-05	3.38E-04	2.03E-04
2.72E+02	2.24E-04	3.45E-04	2.43E-04

2.72E+02	3.32E-04	3.63E-04	3.18E-04
2.72E+02	3.92E-04	3.43E-04	3.32E-04
2.72E+02	4.53E-04	3.07E-04	3.44E-04
2.72E+02	5.10E-04	2.98E-04	4.12E-04
2.72E+02	5.40E-04	2.97E-04	3.91E-04
2.72E+02	5.08E-04	2.97E-04	3.14E-04
2.72E+02	4.47E-04	3.27E-04	2.59E-04
2.72E+02	4.20E-04	3.83E-04	2.08E-04
2.72E+02	3.96E-04	4.59E-04	2.15E-04
2.72E+02	3.36E-04	5.26E-04	2.12E-04
2.72E+02	2.71E-04	5.86E-04	1.87E-04
2.72E+02	2.11E-04	6.54E-04	2.14E-04
2.72E+02	1.48E-04	6.76E-04	1.60E-04
2.72E+02	6.47E-05	6.55E-04	5.47E-05
2.72E+02	-6.56E-05	6.25E-04	-2.38E-05
2.72E+02	-1.52E-04	6.08E-04	-1.12E-04
2.72E+02	-2.04E-04	6.24E-04	-1.65E-04
2.72E+02	-2.94E-04	6.10E-04	-2.55E-04
2.72E+02	-3.40E-04	5.84E-04	-3.22E-04
2.72E+02	-3.44E-04	5.81E-04	-2.51E-04
2.72E+02	-3.22E-04	5.49E-04	-1.95E-04
2.72E+02	-2.79E-04	5.19E-04	-1.81E-04
2.72E+02	-2.75E-04	4.71E-04	-2.09E-04
2.72E+02	-2.14E-04	4.11E-04	-2.80E-04
2.72E+02	-8.83E-05	3.92E-04	-2.71E-04
2.72E+02	9.35E-06	3.55E-04	-2.12E-04
2.72E+02	1.16E-04	3.20E-04	-1.46E-04
2.72E+02	2.20E-04	3.25E-04	-5.46E-05
2.72E+02	3.33E-04	3.36E-04	-9.92E-06
2.72E+02	4.28E-04	3.77E-04	8.20E-06
2.72E+02	4.35E-04	4.37E-04	6.14E-05
2.73E+02	4.44E-04	5.21E-04	9.50E-05
2.73E+02	4.36E-04	6.24E-04	1.16E-04
2.73E+02	3.39E-04	6.75E-04	9.38E-05
2.73E+02	2.21E-04	6.91E-04	3.22E-05
2.73E+02	1.12E-04	7.23E-04	6.58E-05
2.73E+02	2.46E-05	7.55E-04	1.17E-04
2.73E+02	-5.38E-05	7.67E-04	1.26E-04
2.73E+02	-1.57E-04	7.57E-04	1.31E-04
2.73E+02	-1.98E-04	7.31E-04	9.50E-05
2.73E+02	-1.80E-04	7.16E-04	1.02E-04
2.73E+02	-1.96E-04	6.92E-04	1.30E-04
2.73E+02	-2.16E-04	6.50E-04	1.18E-04
2.73E+02	-2.40E-04	6.48E-04	1.73E-04
2.73E+02	-2.70E-04	6.65E-04	2.04E-04
2.73E+02	-3.02E-04	6.72E-04	1.36E-04
2.73E+02	-3.95E-04	6.76E-04	4.08E-05

2.73E+02	-4.70E-04	6.65E-04	-7.57E-05
2.73E+02	-4.89E-04	6.65E-04	-1.45E-04
2.73E+02	-5.29E-04	6.35E-04	-1.99E-04
2.73E+02	-5.15E-04	5.68E-04	-2.80E-04
2.73E+02	-4.21E-04	5.37E-04	-2.50E-04
2.73E+02	-2.97E-04	5.19E-04	-1.63E-04
2.73E+02	-1.45E-04	4.80E-04	-9.82E-05
2.73E+02	-2.31E-05	4.38E-04	-1.37E-05
2.73E+02	1.07E-04	3.92E-04	3.70E-05
2.73E+02	2.76E-04	3.69E-04	7.38E-05
2.73E+02	3.70E-04	3.48E-04	9.31E-05
2.73E+02	4.13E-04	2.94E-04	2.37E-05
2.73E+02	4.44E-04	2.60E-04	-4.06E-05
2.73E+02	4.59E-04	2.57E-04	-1.05E-04
2.73E+02	4.73E-04	2.61E-04	-2.12E-04
2.73E+02	4.29E-04	2.72E-04	-2.72E-04
2.73E+02	3.73E-04	2.84E-04	-2.97E-04
2.73E+02	3.52E-04	3.23E-04	-2.80E-04
2.73E+02	2.99E-04	3.38E-04	-2.78E-04
2.73E+02	2.49E-04	3.04E-04	-3.75E-04
2.73E+02	2.33E-04	2.99E-04	-4.09E-04
2.73E+02	2.36E-04	3.18E-04	-3.82E-04
2.73E+02	2.70E-04	3.47E-04	-3.93E-04
2.73E+02	2.73E-04	3.88E-04	-3.63E-04
2.73E+02	2.77E-04	4.13E-04	-3.47E-04
2.73E+02	3.41E-04	4.47E-04	-3.54E-04
2.73E+02	3.67E-04	4.57E-04	-3.60E-04
2.73E+02	3.65E-04	4.25E-04	-4.09E-04
2.73E+02	3.71E-04	4.17E-04	-3.80E-04
2.73E+02	3.68E-04	4.08E-04	-3.02E-04
2.73E+02	3.69E-04	3.79E-04	-3.18E-04
2.73E+02	3.04E-04	3.60E-04	-3.56E-04
2.73E+02	2.22E-04	3.48E-04	-3.87E-04
2.73E+02	1.91E-04	3.50E-04	-4.00E-04
2.73E+02	1.45E-04	3.48E-04	-3.52E-04
2.73E+02	9.96E-05	3.08E-04	-3.32E-04
2.73E+02	5.89E-05	2.50E-04	-3.08E-04
2.73E+02	1.64E-05	1.94E-04	-2.43E-04
2.73E+02	-1.09E-05	1.33E-04	-2.03E-04
2.73E+02	-8.66E-05	7.40E-05	-1.62E-04
2.73E+02	-1.77E-04	2.12E-05	-1.26E-04
2.73E+02	-1.99E-04	4.58E-06	-6.24E-05
2.73E+02	-2.28E-04	1.68E-05	5.21E-05
2.73E+02	-2.74E-04	9.54E-06	1.04E-04
2.73E+02	-2.90E-04	1.07E-05	1.23E-04
2.73E+02	-3.08E-04	1.79E-05	1.05E-04
2.73E+02	-3.16E-04	4.58E-06	-6.71E-05

2.73E+02	-3.46E-04	5.72E-07	-2.63E-04
2.73E+02	-3.94E-04	4.96E-06	-3.93E-04
2.73E+02	-3.77E-04	4.96E-05	-4.75E-04
2.73E+02	-3.50E-04	1.24E-04	-4.87E-04
2.73E+02	-3.41E-04	1.43E-04	-5.37E-04
2.73E+02	-2.98E-04	1.65E-04	-5.80E-04
2.73E+02	-2.39E-04	2.07E-04	-5.62E-04
2.73E+02	-1.60E-04	2.45E-04	-6.20E-04
2.73E+02	-1.12E-04	3.00E-04	-7.16E-04
2.73E+02	-1.17E-04	3.37E-04	-7.88E-04
2.73E+02	-7.76E-05	3.88E-04	-8.05E-04
2.73E+02	-7.06E-05	4.22E-04	-7.16E-04
2.73E+02	-1.38E-04	4.18E-04	-5.92E-04
2.73E+02	-1.98E-04	4.46E-04	-4.28E-04
2.73E+02	-2.63E-04	4.86E-04	-2.04E-04
2.73E+02	-3.05E-04	5.37E-04	-6.48E-05
2.73E+02	-3.42E-04	5.88E-04	-2.75E-05
2.73E+02	-3.89E-04	6.46E-04	-1.81E-05
2.73E+02	-3.68E-04	7.24E-04	-2.06E-05
2.73E+02	-3.36E-04	7.83E-04	1.03E-05
2.73E+02	-3.36E-04	7.86E-04	-1.72E-06
2.73E+02	-3.16E-04	7.37E-04	-4.35E-05
2.73E+02	-2.92E-04	6.74E-04	-2.33E-05
2.73E+02	-2.61E-04	5.81E-04	-4.50E-05
2.73E+02	-2.48E-04	4.63E-04	-8.96E-05
2.73E+02	-2.88E-04	3.41E-04	-1.21E-04
2.73E+02	-2.87E-04	2.35E-04	-2.06E-04
2.73E+02	-2.56E-04	1.71E-04	-2.85E-04
2.73E+02	-2.54E-04	9.92E-05	-3.67E-04
2.73E+02	-2.25E-04	4.12E-05	-4.25E-04
2.73E+02	-1.69E-04	1.58E-05	-3.78E-04
2.73E+02	-8.70E-05	-4.12E-05	-3.63E-04
2.73E+02	-2.29E-06	-1.16E-04	-4.02E-04
2.73E+02	2.12E-05	-1.87E-04	-4.37E-04
2.73E+02	7.00E-05	-2.33E-04	-4.90E-04
2.73E+02	1.41E-04	-2.31E-04	-4.84E-04
2.73E+02	1.51E-04	-2.39E-04	-4.81E-04
2.73E+02	1.63E-04	-2.49E-04	-5.00E-04
2.73E+02	1.83E-04	-2.24E-04	-4.25E-04
2.73E+02	2.04E-04	-1.90E-04	-3.44E-04
2.73E+02	2.12E-04	-1.55E-04	-2.57E-04
2.73E+02	1.56E-04	-1.26E-04	-1.22E-04
2.73E+02	1.30E-04	-1.10E-04	-3.83E-05
2.73E+02	1.30E-04	-9.08E-05	3.36E-05
2.73E+02	8.54E-05	-8.56E-05	4.90E-05
2.73E+02	5.00E-05	-1.09E-04	-1.72E-05
2.73E+02	2.31E-05	-1.01E-04	-2.48E-06

2.73E+02	2.63E-05	-7.36E-05	9.35E-06
2.73E+02	5.02E-05	-8.14E-05	-3.32E-05
2.73E+02	2.29E-05	-9.19E-05	-1.79E-05
2.73E+02	1.79E-05	-8.54E-05	3.05E-06
2.73E+02	5.68E-05	-6.37E-05	2.73E-05
2.73E+02	4.79E-05	-6.96E-05	-8.01E-06
2.73E+02	3.47E-05	-1.07E-04	-1.21E-04
2.73E+02	5.25E-05	-1.19E-04	-1.69E-04
2.73E+02	9.38E-05	-1.36E-04	-2.23E-04
2.73E+02	1.52E-04	-1.68E-04	-3.03E-04
2.73E+02	1.51E-04	-2.14E-04	-3.49E-04
2.73E+02	1.51E-04	-2.88E-04	-4.05E-04
2.73E+02	1.96E-04	-3.53E-04	-4.18E-04
2.73E+02	2.00E-04	-4.19E-04	-4.01E-04
2.73E+02	2.01E-04	-4.91E-04	-4.02E-04
2.73E+02	2.33E-04	-5.30E-04	-3.42E-04
2.73E+02	3.00E-04	-5.37E-04	-2.44E-04
2.73E+02	3.96E-04	-5.33E-04	-1.82E-04
2.73E+02	4.39E-04	-5.20E-04	-1.10E-04
2.73E+02	4.87E-04	-4.94E-04	-4.02E-05
2.73E+02	5.67E-04	-4.53E-04	2.35E-05
2.73E+02	5.80E-04	-4.21E-04	7.92E-05
2.73E+02	5.81E-04	-4.21E-04	7.10E-05
2.73E+02	5.95E-04	-4.04E-04	8.11E-05
2.73E+02	5.88E-04	-3.58E-04	1.06E-04
2.73E+02	5.84E-04	-3.09E-04	9.21E-05
2.73E+02	5.20E-04	-2.55E-04	1.25E-04
2.73E+02	4.44E-04	-2.08E-04	1.69E-04
2.73E+02	4.31E-04	-1.67E-04	1.91E-04
2.73E+02	3.87E-04	-1.50E-04	1.83E-04
2.73E+02	3.17E-04	-1.89E-04	7.61E-05
2.73E+02	2.65E-04	-2.42E-04	-3.45E-05
2.73E+02	2.22E-04	-2.84E-04	-1.31E-04
2.73E+02	1.96E-04	-3.35E-04	-2.99E-04
2.73E+02	1.41E-04	-3.63E-04	-4.09E-04
2.73E+02	7.90E-05	-3.66E-04	-4.11E-04
2.73E+02	8.18E-05	-3.44E-04	-3.13E-04
2.73E+02	8.16E-05	-3.14E-04	-1.29E-04
2.73E+02	5.32E-05	-3.64E-04	-4.83E-05
2.73E+02	5.55E-05	-4.31E-04	9.73E-06
2.73E+02	7.67E-05	-4.75E-04	1.06E-04
2.73E+02	1.05E-04	-5.40E-04	1.09E-04
2.73E+02	1.08E-04	-5.74E-04	1.16E-04
2.73E+02	1.09E-04	-5.83E-04	1.10E-04
2.73E+02	1.77E-04	-5.67E-04	6.98E-05
2.73E+02	2.49E-04	-5.36E-04	5.78E-05
2.73E+02	2.98E-04	-5.41E-04	1.28E-05

2.73E+02	3.76E-04	-5.09E-04	3.07E-05
2.73E+02	4.80E-04	-4.37E-04	1.04E-04
2.73E+02	5.92E-04	-3.92E-04	1.05E-04
2.73E+02	6.54E-04	-3.44E-04	1.06E-04
2.73E+02	6.74E-04	-3.00E-04	1.04E-04
2.73E+02	7.33E-04	-2.43E-04	1.02E-04
2.73E+02	7.47E-04	-1.82E-04	1.18E-04
2.73E+02	6.93E-04	-1.84E-04	6.96E-05
2.73E+02	6.52E-04	-1.95E-04	5.51E-05
2.73E+02	5.94E-04	-2.08E-04	9.98E-05
2.73E+02	5.44E-04	-2.51E-04	1.03E-04
2.73E+02	4.82E-04	-2.83E-04	1.06E-04
2.73E+02	3.93E-04	-3.17E-04	8.64E-05
2.73E+02	3.66E-04	-3.32E-04	2.69E-05
2.73E+02	3.57E-04	-3.19E-04	-4.06E-05
2.73E+02	3.41E-04	-3.11E-04	-1.44E-04
2.73E+02	3.74E-04	-2.87E-04	-1.83E-04
2.73E+02	4.33E-04	-2.56E-04	-9.37E-05
2.73E+02	5.03E-04	-2.65E-04	-2.10E-05
2.73E+02	5.36E-04	-3.08E-04	-4.77E-06
2.73E+02	5.21E-04	-3.61E-04	5.91E-06
2.73E+02	5.44E-04	-3.92E-04	2.46E-05
2.73E+02	5.55E-04	-3.81E-04	8.22E-05
2.73E+02	5.12E-04	-3.87E-04	9.42E-05
2.73E+02	4.76E-04	-3.89E-04	9.12E-05
2.73E+02	4.44E-04	-3.56E-04	1.67E-04
2.73E+02	4.23E-04	-3.48E-04	2.24E-04
2.73E+02	3.89E-04	-3.75E-04	2.84E-04
2.73E+02	3.32E-04	-4.35E-04	3.57E-04
2.73E+02	3.33E-04	-5.08E-04	3.95E-04
2.73E+02	3.60E-04	-5.69E-04	4.42E-04
2.73E+02	3.54E-04	-6.52E-04	4.32E-04
2.73E+02	3.76E-04	-7.13E-04	4.07E-04
2.73E+02	4.21E-04	-7.24E-04	4.67E-04
2.73E+02	4.65E-04	-7.32E-04	5.12E-04
2.73E+02	4.86E-04	-7.48E-04	4.95E-04
2.73E+02	4.62E-04	-7.64E-04	4.46E-04
2.73E+02	4.86E-04	-7.52E-04	3.69E-04
2.73E+02	5.27E-04	-6.95E-04	3.06E-04
2.73E+02	5.15E-04	-6.62E-04	1.65E-04
2.73E+02	5.11E-04	-6.54E-04	-4.77E-05
2.73E+02	5.06E-04	-6.07E-04	-1.96E-04
2.73E+02	5.08E-04	-5.52E-04	-3.24E-04
2.74E+02	5.05E-04	-5.00E-04	-3.97E-04
2.74E+02	4.55E-04	-4.52E-04	-3.73E-04
2.74E+02	4.41E-04	-4.14E-04	-3.14E-04
2.74E+02	4.49E-04	-3.66E-04	-2.09E-04

2.74E+02	4.13E-04	-3.50E-04	-8.66E-05
2.74E+02	3.74E-04	-3.52E-04	3.49E-05
2.74E+02	3.43E-04	-3.25E-04	1.98E-04
2.74E+02	3.33E-04	-3.26E-04	3.16E-04
2.74E+02	3.24E-04	-3.69E-04	3.71E-04
2.74E+02	2.78E-04	-4.28E-04	4.22E-04
2.74E+02	2.66E-04	-4.94E-04	4.20E-04
2.74E+02	3.15E-04	-5.20E-04	4.19E-04
2.74E+02	3.65E-04	-5.51E-04	4.04E-04
2.74E+02	4.16E-04	-6.25E-04	3.24E-04
2.74E+02	4.90E-04	-6.70E-04	3.08E-04
2.74E+02	5.75E-04	-6.72E-04	2.88E-04
2.74E+02	6.36E-04	-6.36E-04	2.04E-04
2.74E+02	6.39E-04	-5.60E-04	1.42E-04
2.74E+02	6.47E-04	-4.67E-04	9.46E-05
2.74E+02	6.78E-04	-3.67E-04	1.08E-04
2.74E+02	6.56E-04	-3.09E-04	1.32E-04
2.74E+02	6.12E-04	-3.16E-04	9.80E-05
2.74E+02	5.71E-04	-3.39E-04	1.29E-04
2.74E+02	5.33E-04	-3.84E-04	1.53E-04
2.74E+02	5.10E-04	-4.63E-04	7.95E-05
2.74E+02	4.46E-04	-5.39E-04	-1.09E-05
2.74E+02	3.91E-04	-5.91E-04	-1.27E-04
2.74E+02	4.03E-04	-5.83E-04	-2.19E-04
2.74E+02	3.64E-04	-5.77E-04	-3.27E-04
2.74E+02	2.97E-04	-6.14E-04	-4.88E-04
2.74E+02	2.70E-04	-6.17E-04	-5.13E-04
2.74E+02	2.42E-04	-6.35E-04	-4.27E-04
2.74E+02	2.20E-04	-6.81E-04	-3.07E-04
2.74E+02	1.62E-04	-7.16E-04	-1.43E-04
2.74E+02	1.10E-04	-7.46E-04	-4.96E-06
2.74E+02	1.23E-04	-7.22E-04	1.29E-04
2.74E+02	1.04E-04	-6.84E-04	2.06E-04
2.74E+02	6.89E-05	-6.71E-04	1.70E-04
2.74E+02	7.86E-05	-6.21E-04	1.78E-04
2.74E+02	1.07E-04	-5.62E-04	2.61E-04
2.74E+02	1.56E-04	-5.19E-04	3.44E-04
2.74E+02	1.76E-04	-4.72E-04	4.35E-04
2.74E+02	1.79E-04	-4.34E-04	4.82E-04
2.74E+02	2.27E-04	-3.79E-04	4.84E-04
2.74E+02	2.41E-04	-3.31E-04	4.51E-04
2.74E+02	2.27E-04	-3.28E-04	3.15E-04
2.74E+02	2.44E-04	-3.15E-04	1.88E-04
2.74E+02	2.58E-04	-2.77E-04	1.13E-04
2.74E+02	2.76E-04	-2.57E-04	-2.48E-06
2.74E+02	2.52E-04	-2.49E-04	-8.43E-05
2.74E+02	2.17E-04	-2.47E-04	-1.39E-04

2.74E+02	2.54E-04	-2.38E-04	-1.92E-04
2.74E+02	2.76E-04	-2.27E-04	-2.21E-04
2.74E+02	2.89E-04	-2.59E-04	-3.20E-04
2.74E+02	3.40E-04	-2.74E-04	-4.10E-04
2.74E+02	4.22E-04	-2.60E-04	-4.05E-04
2.74E+02	5.43E-04	-2.70E-04	-3.95E-04
2.74E+02	6.11E-04	-2.78E-04	-3.24E-04
2.74E+02	6.33E-04	-2.82E-04	-1.92E-04
2.74E+02	6.74E-04	-2.60E-04	-6.01E-05
2.74E+02	6.72E-04	-2.23E-04	5.65E-05
2.74E+02	6.29E-04	-2.20E-04	4.27E-05
2.74E+02	5.88E-04	-2.15E-04	-2.04E-05
2.74E+02	5.45E-04	-1.92E-04	-4.39E-05
2.74E+02	4.99E-04	-1.61E-04	-1.04E-04
2.74E+02	4.04E-04	-1.32E-04	-1.48E-04
2.74E+02	2.94E-04	-1.21E-04	-1.73E-04
2.74E+02	2.46E-04	-1.24E-04	-1.78E-04
2.74E+02	2.03E-04	-1.54E-04	-1.24E-04
2.74E+02	1.38E-04	-2.50E-04	-1.37E-04
2.74E+02	8.68E-05	-3.62E-04	-1.76E-04
2.74E+02	5.44E-05	-4.46E-04	-1.59E-04
2.74E+02	2.92E-05	-5.51E-04	-1.97E-04
2.74E+02	-2.02E-05	-6.39E-04	-1.90E-04
2.74E+02	-7.93E-05	-6.96E-04	-7.90E-05
2.74E+02	-1.02E-04	-7.24E-04	2.78E-05
2.74E+02	-1.21E-04	-6.97E-04	1.23E-04
2.74E+02	-1.43E-04	-6.80E-04	9.02E-05
2.74E+02	-1.22E-04	-6.49E-04	-1.56E-05
2.74E+02	-6.26E-05	-5.67E-04	-5.32E-05
2.74E+02	3.85E-05	-4.73E-04	-8.49E-05
2.74E+02	1.19E-04	-3.77E-04	-6.90E-05
2.74E+02	1.47E-04	-3.11E-04	-3.49E-05
2.74E+02	2.06E-04	-2.66E-04	-4.25E-05
2.74E+02	2.34E-04	-2.44E-04	-5.70E-05
2.74E+02	1.96E-04	-2.70E-04	-1.27E-04
2.74E+02	1.76E-04	-3.05E-04	-1.95E-04
2.74E+02	1.59E-04	-3.15E-04	-2.06E-04
2.74E+02	1.56E-04	-3.16E-04	-2.62E-04
2.74E+02	1.44E-04	-3.05E-04	-3.50E-04
2.74E+02	8.45E-05	-2.77E-04	-3.90E-04
2.74E+02	6.01E-05	-2.46E-04	-3.65E-04
2.74E+02	5.13E-05	-2.23E-04	-2.74E-04
2.74E+02	9.54E-07	-2.52E-04	-2.07E-04
2.74E+02	-2.86E-05	-3.26E-04	-1.46E-04
2.74E+02	-1.58E-05	-3.72E-04	-7.63E-07
2.74E+02	2.67E-06	-4.28E-04	8.72E-05
2.74E+02	-2.86E-06	-4.86E-04	9.71E-05

2.74E+02	-4.01E-05	-4.91E-04	1.35E-04
2.74E+02	-3.89E-05	-4.59E-04	1.80E-04
2.74E+02	-6.48E-06	-3.82E-04	2.66E-04
2.74E+02	-1.95E-05	-3.12E-04	3.37E-04
2.74E+02	-2.38E-05	-2.63E-04	3.41E-04
2.74E+02	-1.24E-05	-2.14E-04	3.50E-04
2.74E+02	-9.54E-07	-2.06E-04	2.88E-04
2.74E+02	4.20E-06	-2.23E-04	1.53E-04
2.74E+02	-4.12E-05	-2.36E-04	3.19E-05
2.74E+02	-5.05E-05	-2.12E-04	-8.45E-05
2.74E+02	-3.57E-05	-1.56E-04	-1.47E-04
2.74E+02	-7.59E-05	-1.39E-04	-2.07E-04
2.74E+02	-1.02E-04	-1.48E-04	-2.81E-04
2.74E+02	-1.01E-04	-1.57E-04	-2.82E-04
2.74E+02	-8.16E-05	-1.80E-04	-3.07E-04
2.74E+02	-5.78E-05	-2.09E-04	-3.57E-04
2.74E+02	-5.72E-05	-2.33E-04	-3.56E-04
2.74E+02	8.01E-06	-2.53E-04	-3.49E-04
2.74E+02	1.19E-04	-2.54E-04	-2.90E-04
2.74E+02	1.80E-04	-2.77E-04	-2.09E-04
2.74E+02	2.35E-04	-3.40E-04	-1.53E-04
2.74E+02	2.89E-04	-3.82E-04	-1.26E-05
2.74E+02	3.41E-04	-4.29E-04	1.23E-04
2.74E+02	3.93E-04	-4.95E-04	1.54E-04
2.74E+02	3.83E-04	-5.34E-04	1.55E-04
2.74E+02	3.86E-04	-5.37E-04	1.30E-04
2.74E+02	4.39E-04	-4.78E-04	1.39E-04
2.74E+02	4.30E-04	-4.24E-04	1.33E-04
2.74E+02	4.14E-04	-3.91E-04	9.08E-05
2.74E+02	4.33E-04	-3.27E-04	1.58E-04
2.74E+02	4.30E-04	-3.09E-04	2.17E-04
2.74E+02	4.04E-04	-3.36E-04	1.94E-04
2.74E+02	3.07E-04	-3.95E-04	1.34E-04
2.74E+02	1.97E-04	-4.81E-04	3.34E-05
2.74E+02	1.31E-04	-5.32E-04	-1.47E-05
2.74E+02	8.96E-06	-5.95E-04	-5.68E-05
2.74E+02	-1.20E-04	-6.61E-04	-1.66E-04
2.74E+02	-2.02E-04	-6.57E-04	-2.34E-04
2.74E+02	-2.61E-04	-6.08E-04	-2.73E-04
2.74E+02	-2.73E-04	-5.60E-04	-3.36E-04
2.74E+02	-2.82E-04	-5.12E-04	-3.58E-04
2.74E+02	-2.53E-04	-4.44E-04	-3.47E-04
2.74E+02	-1.42E-04	-3.41E-04	-2.84E-04
2.74E+02	-2.06E-05	-2.41E-04	-1.81E-04
2.74E+02	1.05E-04	-2.10E-04	-1.36E-04
2.74E+02	2.37E-04	-2.04E-04	-4.62E-05
2.74E+02	3.81E-04	-1.94E-04	1.13E-04

2.74E+02	5.23E-04	-2.11E-04	2.15E-04
2.74E+02	6.07E-04	-2.36E-04	2.93E-04
2.74E+02	6.92E-04	-2.62E-04	3.40E-04
2.74E+02	8.10E-04	-2.75E-04	3.52E-04
2.74E+02	8.75E-04	-2.96E-04	3.50E-04
2.74E+02	8.89E-04	-3.52E-04	2.74E-04
2.74E+02	8.81E-04	-3.99E-04	2.15E-04
2.74E+02	8.46E-04	-4.45E-04	1.91E-04
2.74E+02	7.97E-04	-5.04E-04	1.06E-04
2.74E+02	6.83E-04	-5.63E-04	1.83E-05
2.74E+02	5.30E-04	-6.16E-04	-7.11E-05
2.74E+02	4.09E-04	-6.25E-04	-1.32E-04
2.74E+02	2.65E-04	-6.18E-04	-1.41E-04
2.74E+02	1.25E-04	-6.22E-04	-1.96E-04
2.74E+02	4.84E-05	-6.04E-04	-2.14E-04
2.74E+02	3.34E-05	-5.48E-04	-1.59E-04
2.74E+02	8.11E-05	-4.83E-04	-1.22E-04
2.74E+02	1.47E-04	-4.27E-04	-7.44E-05
2.74E+02	2.36E-04	-3.81E-04	-6.89E-05
2.74E+02	4.03E-04	-3.24E-04	-1.17E-04
2.74E+02	5.63E-04	-2.51E-04	-1.48E-04
2.74E+02	6.62E-04	-2.13E-04	-2.33E-04
2.74E+02	7.58E-04	-1.64E-04	-2.47E-04
2.74E+02	8.40E-04	-8.62E-05	-1.17E-04
2.74E+02	8.80E-04	-6.47E-05	-4.58E-05
2.74E+02	8.21E-04	-8.56E-05	-3.13E-05
2.74E+02	6.88E-04	-1.36E-04	-4.39E-05
2.74E+02	5.80E-04	-1.75E-04	-6.83E-05
2.74E+02	4.34E-04	-1.87E-04	-6.31E-05
2.74E+02	2.54E-04	-2.37E-04	-9.42E-05
2.74E+02	1.12E-04	-2.93E-04	-7.53E-05
2.74E+02	-7.06E-06	-3.35E-04	3.66E-05
2.74E+02	-1.05E-04	-3.85E-04	1.34E-04
2.74E+02	-2.08E-04	-4.39E-04	2.05E-04
2.74E+02	-3.01E-04	-5.10E-04	2.30E-04
2.74E+02	-3.11E-04	-5.57E-04	2.29E-04
2.74E+02	-2.90E-04	-5.78E-04	2.49E-04
2.74E+02	-2.69E-04	-6.03E-04	2.41E-04
2.74E+02	-1.95E-04	-5.83E-04	2.64E-04
2.74E+02	-1.24E-04	-5.36E-04	3.30E-04
2.74E+02	-5.26E-05	-4.76E-04	3.45E-04
2.74E+02	8.20E-06	-3.97E-04	3.52E-04
2.74E+02	1.32E-05	-3.27E-04	3.57E-04
2.74E+02	5.36E-05	-2.26E-04	3.27E-04
2.74E+02	7.50E-05	-1.09E-04	2.62E-04
2.74E+02	3.30E-05	-4.25E-05	1.27E-04
2.74E+02	3.62E-06	1.45E-05	1.91E-07

2.74E+02	-3.85E-05	8.41E-05	-5.78E-05
2.74E+02	-7.19E-05	1.48E-04	-1.28E-04
2.74E+02	-1.20E-04	2.24E-04	-1.87E-04
2.74E+02	-2.12E-04	2.93E-04	-1.93E-04
2.74E+02	-2.43E-04	3.71E-04	-1.60E-04
2.74E+02	-2.44E-04	4.66E-04	-7.04E-05
2.74E+02	-2.86E-04	5.21E-04	8.01E-06
2.74E+02	-3.07E-04	5.64E-04	7.53E-05
2.75E+02	-3.03E-04	6.04E-04	1.95E-04
2.75E+02	-2.74E-04	6.10E-04	2.74E-04
2.75E+02	-2.44E-04	5.92E-04	3.28E-04
2.75E+02	-2.37E-04	5.46E-04	4.34E-04
2.75E+02	-1.79E-04	4.94E-04	5.72E-04
2.75E+02	-1.17E-04	4.30E-04	6.92E-04
2.75E+02	-1.13E-04	2.98E-04	6.54E-04
2.75E+02	-9.61E-05	1.42E-04	5.08E-04
2.75E+02	-6.85E-05	3.22E-05	3.86E-04
2.75E+02	-3.99E-05	-3.83E-05	2.22E-04
2.75E+02	-4.16E-05	-5.40E-05	8.39E-05
2.75E+02	-8.62E-05	-1.11E-05	4.35E-05
2.75E+02	-7.25E-05	6.22E-05	4.50E-05
2.75E+02	-3.17E-05	1.53E-04	1.04E-04
2.75E+02	-2.71E-05	1.97E-04	1.37E-04
2.75E+02	-1.03E-05	2.16E-04	1.06E-04
2.75E+02	1.95E-05	2.65E-04	1.16E-04
2.75E+02	6.83E-05	3.01E-04	1.24E-04
2.75E+02	1.10E-04	3.32E-04	1.26E-04
2.75E+02	9.67E-05	3.67E-04	1.91E-04
2.75E+02	9.78E-05	4.02E-04	2.94E-04
2.75E+02	1.05E-04	4.40E-04	4.18E-04
2.75E+02	5.19E-05	4.18E-04	4.54E-04
2.75E+02	1.53E-06	3.42E-04	3.70E-04
2.75E+02	-3.24E-05	2.78E-04	2.92E-04
2.75E+02	-5.93E-05	2.34E-04	2.42E-04
2.75E+02	-9.17E-05	2.25E-04	2.39E-04
2.75E+02	-1.81E-04	2.37E-04	2.75E-04
2.75E+02	-2.48E-04	2.55E-04	3.05E-04
2.75E+02	-2.86E-04	2.96E-04	3.47E-04
2.75E+02	-3.68E-04	3.10E-04	3.24E-04
2.75E+02	-4.42E-04	3.03E-04	2.29E-04
2.75E+02	-4.86E-04	3.37E-04	1.65E-04
2.75E+02	-4.68E-04	3.84E-04	8.87E-05
2.75E+02	-4.14E-04	3.97E-04	1.72E-05
2.75E+02	-3.88E-04	3.90E-04	8.28E-05
2.75E+02	-3.27E-04	3.77E-04	1.98E-04
2.75E+02	-2.65E-04	3.59E-04	2.62E-04
2.75E+02	-2.67E-04	3.11E-04	2.59E-04

2.75E+02	-2.80E-04	2.20E-04	1.63E-04
2.75E+02	-2.87E-04	1.42E-04	9.90E-05
2.75E+02	-2.82E-04	9.75E-05	5.53E-05
2.75E+02	-2.74E-04	7.32E-05	-1.98E-05
2.75E+02	-3.16E-04	6.89E-05	-1.77E-05
2.75E+02	-3.49E-04	9.63E-05	5.40E-05
2.75E+02	-3.37E-04	1.68E-04	1.88E-04
2.75E+02	-3.55E-04	2.28E-04	3.04E-04
2.75E+02	-3.89E-04	2.54E-04	2.91E-04
2.75E+02	-4.09E-04	2.76E-04	2.93E-04
2.75E+02	-4.12E-04	2.78E-04	3.33E-04
2.75E+02	-4.24E-04	2.52E-04	3.31E-04
2.75E+02	-5.06E-04	2.12E-04	3.39E-04
2.75E+02	-5.99E-04	1.73E-04	3.44E-04
2.75E+02	-6.55E-04	1.60E-04	3.86E-04
2.75E+02	-7.48E-04	1.32E-04	4.33E-04
2.75E+02	-8.47E-04	5.57E-05	3.96E-04
2.75E+02	-8.87E-04	-5.91E-06	4.03E-04
2.75E+02	-8.97E-04	-6.01E-05	4.40E-04
2.75E+02	-8.81E-04	-1.05E-04	4.16E-04
2.75E+02	-8.91E-04	-1.13E-04	3.53E-04
2.75E+02	-8.99E-04	-9.25E-05	2.39E-04
2.75E+02	-8.26E-04	-7.06E-06	1.54E-04
2.75E+02	-7.62E-04	8.54E-05	1.19E-04
2.75E+02	-7.07E-04	1.17E-04	5.40E-05
2.75E+02	-6.17E-04	1.28E-04	3.66E-05
2.75E+02	-5.15E-04	1.05E-04	5.38E-05
2.75E+02	-3.98E-04	3.13E-05	4.39E-06
2.75E+02	-3.35E-04	-7.59E-05	-4.25E-05
2.75E+02	-3.05E-04	-1.88E-04	-5.47E-05
2.75E+02	-2.35E-04	-2.59E-04	-1.89E-05
2.75E+02	-2.01E-04	-3.05E-04	1.79E-05
2.75E+02	-2.06E-04	-3.66E-04	-5.19E-05
2.75E+02	-1.97E-04	-4.15E-04	-8.85E-05
2.75E+02	-2.02E-04	-4.27E-04	-3.87E-05
2.75E+02	-2.20E-04	-4.13E-04	0.00E+00
2.75E+02	-2.80E-04	-3.72E-04	5.23E-05
2.75E+02	-3.62E-04	-3.11E-04	9.00E-05
2.75E+02	-3.74E-04	-2.29E-04	1.11E-04
2.75E+02	-3.84E-04	-1.50E-04	1.40E-04
2.75E+02	-4.18E-04	-1.14E-04	1.17E-04
2.75E+02	-4.14E-04	-6.77E-05	1.24E-04
2.75E+02	-3.78E-04	-1.91E-06	2.12E-04
2.75E+02	-3.14E-04	3.47E-05	2.61E-04
2.75E+02	-2.73E-04	4.25E-05	2.86E-04
2.75E+02	-2.57E-04	3.07E-05	3.08E-04
2.75E+02	-1.97E-04	4.63E-05	2.99E-04

2.75E+02	-1.34E-04	8.18E-05	2.49E-04
2.75E+02	-9.40E-05	8.79E-05	1.13E-04
2.75E+02	-3.57E-05	1.07E-04	3.81E-06
2.75E+02	3.53E-05	1.60E-04	-1.20E-05
2.75E+02	1.00E-04	2.15E-04	-4.39E-05
2.75E+02	1.17E-04	2.71E-04	-6.56E-05
2.75E+02	8.68E-05	3.18E-04	-7.29E-05
2.75E+02	8.70E-05	3.60E-04	-8.26E-05
2.75E+02	9.00E-05	4.14E-04	-5.49E-05
2.75E+02	4.56E-05	4.34E-04	-1.12E-04
2.75E+02	-1.91E-06	4.35E-04	-2.33E-04
2.75E+02	-4.50E-05	4.51E-04	-2.92E-04
2.75E+02	-6.60E-05	4.24E-04	-3.44E-04
2.75E+02	-7.63E-05	3.64E-04	-3.35E-04
2.75E+02	-1.27E-04	2.67E-04	-2.45E-04
2.75E+02	-1.05E-04	1.81E-04	-1.11E-04
2.75E+02	-3.49E-05	1.48E-04	7.74E-05
2.75E+02	-2.57E-05	9.40E-05	1.65E-04
2.75E+02	9.16E-06	7.29E-05	2.02E-04
2.75E+02	5.42E-05	1.17E-04	3.11E-04
2.75E+02	9.16E-05	1.65E-04	3.53E-04
2.75E+02	1.01E-04	2.12E-04	3.40E-04
2.75E+02	4.62E-05	2.38E-04	3.20E-04
2.75E+02	3.64E-05	2.53E-04	2.93E-04
2.75E+02	2.69E-05	2.63E-04	3.36E-04
2.75E+02	-4.56E-05	2.24E-04	3.54E-04
2.75E+02	-1.20E-04	1.75E-04	2.90E-04
2.75E+02	-1.88E-04	1.66E-04	2.27E-04
2.75E+02	-2.21E-04	1.74E-04	1.21E-04
2.75E+02	-2.54E-04	1.87E-04	-3.24E-06
2.75E+02	-3.28E-04	1.85E-04	-6.98E-05
2.75E+02	-3.57E-04	1.98E-04	-7.15E-05
2.75E+02	-3.77E-04	2.36E-04	-1.47E-05
2.75E+02	-4.50E-04	2.28E-04	-9.54E-06
2.75E+02	-4.92E-04	2.08E-04	-7.57E-05
2.75E+02	-5.00E-04	2.10E-04	-1.06E-04
2.75E+02	-4.95E-04	2.21E-04	-1.44E-04
2.75E+02	-4.72E-04	2.52E-04	-2.10E-04
2.75E+02	-4.66E-04	2.82E-04	-2.38E-04
2.75E+02	-4.05E-04	3.21E-04	-2.43E-04
2.75E+02	-2.82E-04	3.87E-04	-1.77E-04
2.75E+02	-2.00E-04	4.22E-04	-7.95E-05
2.75E+02	-1.28E-04	4.19E-04	-2.61E-05
2.75E+02	-5.42E-05	4.30E-04	6.24E-05
2.75E+02	1.07E-05	4.29E-04	9.08E-05
2.75E+02	7.34E-05	4.23E-04	1.22E-05
2.75E+02	7.10E-05	4.39E-04	-2.65E-05

2.75E+02	6.64E-05	4.70E-04	-2.44E-05
2.75E+02	9.21E-05	5.42E-04	1.93E-05
2.75E+02	5.55E-05	5.86E-04	4.04E-05
2.75E+02	1.11E-05	5.76E-04	2.48E-06
2.75E+02	-2.25E-05	5.76E-04	2.00E-05
2.75E+02	-6.98E-05	5.71E-04	2.38E-05
2.75E+02	-1.13E-04	5.90E-04	-1.05E-05
2.75E+02	-2.15E-04	6.31E-04	-1.51E-05
2.75E+02	-3.05E-04	6.75E-04	-2.48E-06
2.75E+02	-3.23E-04	7.54E-04	6.12E-05
2.75E+02	-3.68E-04	7.98E-04	1.27E-04
2.75E+02	-4.02E-04	7.86E-04	1.42E-04
2.75E+02	-3.93E-04	7.72E-04	1.86E-04
2.75E+02	-3.49E-04	7.29E-04	1.98E-04
2.75E+02	-2.63E-04	6.57E-04	9.08E-05
2.75E+02	-2.06E-04	5.82E-04	-3.83E-05
2.75E+02	-1.46E-04	5.25E-04	-1.61E-04
2.75E+02	-5.49E-05	5.15E-04	-2.13E-04
2.75E+02	-1.87E-05	5.20E-04	-1.94E-04
2.75E+02	-9.16E-06	5.18E-04	-2.02E-04
2.75E+02	8.58E-06	5.41E-04	-1.37E-04
2.75E+02	2.80E-05	5.70E-04	-3.59E-05
2.75E+02	5.21E-05	5.58E-04	-4.02E-05
2.75E+02	2.73E-05	5.18E-04	-8.35E-05
2.75E+02	2.00E-05	4.92E-04	-1.25E-04
2.75E+02	7.74E-05	4.84E-04	-1.15E-04
2.75E+02	1.15E-04	4.86E-04	-2.61E-05
2.75E+02	1.66E-04	4.88E-04	4.12E-05
2.75E+02	2.50E-04	4.94E-04	1.13E-04
2.75E+02	3.35E-04	5.09E-04	2.03E-04
2.75E+02	4.27E-04	4.86E-04	2.01E-04
2.75E+02	4.68E-04	4.42E-04	1.63E-04
2.75E+02	4.55E-04	4.15E-04	1.08E-04
2.75E+02	4.51E-04	4.22E-04	1.54E-05
2.75E+02	3.89E-04	4.59E-04	-7.99E-05
2.75E+02	2.59E-04	4.73E-04	-2.26E-04
2.75E+02	1.40E-04	4.96E-04	-3.34E-04
2.75E+02	4.22E-05	5.43E-04	-3.59E-04
2.75E+02	-2.88E-05	5.76E-04	-3.83E-04
2.75E+02	-1.06E-04	5.98E-04	-3.73E-04
2.75E+02	-1.70E-04	6.07E-04	-3.65E-04
2.75E+02	-1.50E-04	6.18E-04	-3.55E-04
2.75E+02	-1.19E-04	6.18E-04	-2.89E-04
2.75E+02	-9.75E-05	5.85E-04	-2.23E-04
2.75E+02	-3.47E-05	5.52E-04	-1.08E-04
2.75E+02	5.13E-05	5.33E-04	6.12E-05
2.75E+02	1.65E-04	5.10E-04	1.77E-04

2.75E+02	2.56E-04	4.85E-04	2.55E-04
2.75E+02	2.96E-04	4.71E-04	2.90E-04
2.75E+02	3.42E-04	4.97E-04	2.61E-04
2.75E+02	3.48E-04	5.54E-04	1.94E-04
2.75E+02	2.98E-04	5.86E-04	6.20E-05
2.75E+02	2.45E-04	6.05E-04	-5.07E-05
2.75E+02	1.94E-04	6.39E-04	-7.21E-05
2.75E+02	1.57E-04	6.69E-04	-7.71E-05
2.75E+02	1.02E-04	6.98E-04	-5.59E-05
2.75E+02	3.17E-05	7.26E-04	-1.41E-05
2.75E+02	2.06E-05	7.60E-04	3.43E-06
2.75E+02	2.40E-05	8.05E-04	0.00E+00
2.75E+02	-5.34E-06	8.21E-04	-8.41E-05
2.75E+02	-3.17E-05	8.23E-04	-1.98E-04
2.75E+02	-5.72E-05	8.36E-04	-2.30E-04
2.75E+02	-6.41E-05	8.18E-04	-2.53E-04
2.75E+02	-1.11E-04	7.48E-04	-2.75E-04
2.75E+02	-2.08E-04	6.67E-04	-2.17E-04
2.75E+02	-2.46E-04	6.09E-04	-1.06E-04
2.75E+02	-2.87E-04	5.51E-04	-9.54E-07
2.76E+02	-3.51E-04	4.52E-04	-4.96E-06
2.76E+02	-3.73E-04	3.57E-04	-8.75E-05
2.76E+02	-3.81E-04	3.12E-04	-1.44E-04
2.76E+02	-3.70E-04	2.79E-04	-2.30E-04
2.76E+02	-3.78E-04	2.56E-04	-3.25E-04
2.76E+02	-4.27E-04	2.48E-04	-3.93E-04
2.76E+02	-4.41E-04	2.43E-04	-4.33E-04
2.76E+02	-4.55E-04	2.54E-04	-3.89E-04
2.76E+02	-5.10E-04	2.42E-04	-3.52E-04
2.76E+02	-5.56E-04	2.24E-04	-3.39E-04
2.76E+02	-5.89E-04	2.44E-04	-2.53E-04
2.76E+02	-5.95E-04	2.79E-04	-1.68E-04
2.76E+02	-5.91E-04	3.14E-04	-1.20E-04
2.76E+02	-6.13E-04	3.53E-04	-7.40E-05
2.76E+02	-5.87E-04	4.20E-04	-5.38E-05
2.76E+02	-5.08E-04	5.19E-04	7.63E-06
2.76E+02	-4.70E-04	5.92E-04	5.97E-05
2.76E+02	-4.41E-04	6.21E-04	5.44E-05
2.76E+02	-3.92E-04	6.67E-04	1.02E-04
2.76E+02	-3.57E-04	6.96E-04	1.08E-04
2.76E+02	-3.48E-04	7.00E-04	6.35E-05
2.76E+02	-3.82E-04	7.14E-04	3.91E-05
2.76E+02	-4.08E-04	7.31E-04	-3.87E-05
2.76E+02	-4.11E-04	7.85E-04	-1.08E-04
2.76E+02	-4.58E-04	8.49E-04	-1.88E-04
2.76E+02	-5.07E-04	8.88E-04	-2.93E-04
2.76E+02	-5.22E-04	9.42E-04	-2.85E-04

2.76E+02	-5.17E-04	9.75E-04	-2.29E-04
2.76E+02	-5.10E-04	9.61E-04	-2.03E-04
2.76E+02	-5.43E-04	9.18E-04	-1.70E-04
2.76E+02	-5.64E-04	8.66E-04	-1.39E-04
2.76E+02	-5.44E-04	8.43E-04	-9.57E-05
2.76E+02	-5.58E-04	8.10E-04	-9.46E-05
2.76E+02	-5.70E-04	7.52E-04	-1.70E-04
2.76E+02	-5.56E-04	7.15E-04	-2.06E-04
2.76E+02	-5.35E-04	6.89E-04	-2.03E-04
2.76E+02	-5.09E-04	6.67E-04	-2.05E-04
2.76E+02	-5.16E-04	6.33E-04	-1.82E-04
2.76E+02	-4.83E-04	6.07E-04	-1.58E-04
2.76E+02	-3.81E-04	6.33E-04	-1.17E-04
2.76E+02	-3.08E-04	6.66E-04	-8.13E-05
2.76E+02	-2.54E-04	7.06E-04	-1.18E-04
2.76E+02	-1.97E-04	7.77E-04	-1.52E-04
2.76E+02	-1.38E-04	8.26E-04	-2.21E-04
2.76E+02	-9.99E-05	8.24E-04	-4.02E-04
2.76E+02	-1.33E-04	7.65E-04	-5.89E-04
2.76E+02	-1.77E-04	6.68E-04	-7.28E-04
2.76E+02	-1.98E-04	5.90E-04	-7.53E-04
2.76E+02	-2.57E-04	5.06E-04	-6.70E-04
2.76E+02	-3.31E-04	3.68E-04	-5.82E-04
2.76E+02	-3.82E-04	2.40E-04	-3.99E-04
2.76E+02	-4.22E-04	1.36E-04	-1.99E-04
2.76E+02	-4.45E-04	2.35E-05	-1.08E-04
2.76E+02	-4.92E-04	-6.50E-05	-3.62E-05
2.76E+02	-5.13E-04	-1.30E-04	-9.73E-06
2.76E+02	-4.61E-04	-1.54E-04	1.34E-05
2.76E+02	-4.33E-04	-1.49E-04	6.87E-05
2.76E+02	-4.18E-04	-1.65E-04	5.23E-05
2.76E+02	-3.96E-04	-1.43E-04	3.26E-05
2.76E+02	-3.95E-04	-8.89E-05	-1.91E-07
2.76E+02	-4.03E-04	-4.12E-05	-1.17E-04
2.76E+02	-4.70E-04	2.27E-05	-2.08E-04
2.76E+02	-5.60E-04	1.01E-04	-2.45E-04
2.76E+02	-6.13E-04	2.10E-04	-2.52E-04
2.76E+02	-6.94E-04	3.22E-04	-2.37E-04
2.76E+02	-7.95E-04	3.82E-04	-2.58E-04
2.76E+02	-8.67E-04	4.27E-04	-2.26E-04
2.76E+02	-8.87E-04	4.68E-04	-1.14E-04
2.76E+02	-8.62E-04	4.59E-04	-3.59E-05
2.76E+02	-8.32E-04	4.35E-04	2.10E-06
2.76E+02	-7.54E-04	3.73E-04	-9.54E-06
2.76E+02	-6.21E-04	2.61E-04	-2.90E-05
2.76E+02	-5.00E-04	1.73E-04	-3.57E-05
2.76E+02	-3.90E-04	3.81E-05	-1.19E-04

2.76E+02	-2.89E-04	-8.13E-05	-1.19E-04
2.76E+02	-1.96E-04	-1.04E-04	-1.47E-05
2.76E+02	-9.48E-05	-1.55E-04	-1.85E-05
2.76E+02	-4.16E-05	-2.12E-04	-2.19E-05
2.76E+02	-2.90E-05	-2.54E-04	2.59E-05
2.76E+02	1.37E-05	-2.88E-04	4.10E-05
2.76E+02	3.41E-05	-2.78E-04	1.53E-06
2.76E+02	-5.15E-06	-3.13E-04	-1.70E-04
2.76E+02	-4.60E-05	-3.40E-04	-3.53E-04
2.76E+02	-5.59E-05	-2.84E-04	-4.58E-04
2.76E+02	-4.92E-05	-2.43E-04	-5.50E-04
2.76E+02	-8.72E-05	-2.11E-04	-5.39E-04
2.76E+02	-1.54E-04	-1.85E-04	-4.56E-04
2.76E+02	-1.51E-04	-1.69E-04	-3.68E-04
2.76E+02	-1.42E-04	-1.37E-04	-2.39E-04
2.76E+02	-1.50E-04	-1.53E-04	-1.58E-04
2.76E+02	-1.15E-04	-1.91E-04	-3.32E-05
2.76E+02	-6.54E-05	-2.14E-04	1.66E-04
2.76E+02	2.94E-05	-2.62E-04	2.22E-04
2.76E+02	8.64E-05	-3.39E-04	1.84E-04
2.76E+02	7.99E-05	-4.09E-04	1.46E-04
2.76E+02	1.36E-04	-4.30E-04	9.75E-05
2.76E+02	1.83E-04	-4.35E-04	6.83E-05
2.76E+02	1.82E-04	-4.47E-04	-1.05E-05
2.76E+02	2.06E-04	-4.59E-04	-6.71E-05
2.76E+02	2.27E-04	-4.66E-04	-1.91E-05
2.76E+02	2.29E-04	-4.61E-04	-1.03E-05
2.76E+02	2.03E-04	-4.63E-04	-3.51E-05
2.76E+02	1.10E-04	-4.64E-04	-3.43E-05
2.76E+02	4.01E-05	-4.50E-04	-7.82E-05
2.76E+02	-8.58E-06	-4.33E-04	-1.69E-04
2.76E+02	-9.88E-05	-4.24E-04	-2.93E-04
2.76E+02	-1.51E-04	-4.14E-04	-3.89E-04
2.76E+02	-1.61E-04	-4.02E-04	-3.92E-04
2.76E+02	-1.29E-04	-4.17E-04	-3.68E-04
2.76E+02	-9.12E-05	-4.71E-04	-2.98E-04
2.76E+02	-8.72E-05	-5.29E-04	-1.55E-04
2.76E+02	-1.30E-05	-5.55E-04	-3.62E-06
2.76E+02	7.06E-05	-5.49E-04	1.39E-04
2.76E+02	9.99E-05	-5.48E-04	1.74E-04
2.76E+02	1.54E-04	-5.34E-04	1.24E-04
2.76E+02	2.16E-04	-4.85E-04	1.38E-04
2.76E+02	2.84E-04	-4.34E-04	1.41E-04
2.76E+02	3.31E-04	-3.76E-04	1.39E-04
2.76E+02	3.15E-04	-3.35E-04	1.45E-04
2.76E+02	3.27E-04	-2.98E-04	7.44E-05
2.76E+02	3.56E-04	-2.18E-04	1.81E-05

2.76E+02	3.18E-04	-1.70E-04	-3.60E-05
2.76E+02	2.66E-04	-1.38E-04	-8.77E-05
2.76E+02	2.33E-04	-8.35E-05	-3.93E-05
2.76E+02	1.98E-04	-9.08E-05	-2.96E-05
2.76E+02	1.43E-04	-1.39E-04	-7.65E-05
2.76E+02	5.74E-05	-2.08E-04	-9.63E-05
2.76E+02	1.72E-05	-2.86E-04	-1.07E-04
2.76E+02	2.42E-05	-3.32E-04	-5.89E-05
2.76E+02	1.37E-05	-4.06E-04	-2.19E-05
2.76E+02	2.29E-05	-4.86E-04	-1.83E-05
2.76E+02	5.76E-05	-5.28E-04	5.05E-05
2.76E+02	1.00E-04	-5.78E-04	1.13E-04
2.76E+02	1.12E-04	-6.23E-04	1.42E-04
2.76E+02	4.52E-05	-6.68E-04	1.63E-04
2.76E+02	-1.70E-05	-7.04E-04	1.51E-04
2.76E+02	-5.87E-05	-6.96E-04	1.35E-04
2.76E+02	-1.31E-04	-6.79E-04	7.19E-05
2.76E+02	-1.86E-04	-6.55E-04	-2.54E-05
2.76E+02	-2.21E-04	-6.25E-04	-6.05E-05
2.76E+02	-2.48E-04	-6.21E-04	-8.03E-05
2.76E+02	-2.64E-04	-6.31E-04	-1.16E-04
2.76E+02	-3.33E-04	-6.65E-04	-1.34E-04
2.76E+02	-3.95E-04	-6.83E-04	-1.58E-04
2.76E+02	-4.09E-04	-6.36E-04	-1.51E-04
2.76E+02	-4.48E-04	-5.92E-04	-1.36E-04
2.76E+02	-4.60E-04	-5.74E-04	-1.67E-04
2.76E+02	-4.19E-04	-5.34E-04	-1.44E-04
2.76E+02	-3.49E-04	-4.93E-04	-9.96E-05
2.76E+02	-2.57E-04	-4.78E-04	-9.86E-05
2.76E+02	-2.14E-04	-4.94E-04	-5.51E-05
2.76E+02	-1.70E-04	-5.30E-04	2.29E-06
2.76E+02	-9.59E-05	-5.69E-04	5.00E-05
2.76E+02	-1.01E-04	-6.26E-04	7.46E-05
2.76E+02	-1.57E-04	-6.91E-04	1.37E-05
2.76E+02	-2.24E-04	-7.12E-04	-2.06E-05
2.76E+02	-2.96E-04	-6.88E-04	-4.39E-05
2.76E+02	-3.60E-04	-6.46E-04	-1.25E-04
2.76E+02	-4.42E-04	-5.69E-04	-1.18E-04
2.76E+02	-4.96E-04	-4.82E-04	-7.90E-05
2.76E+02	-4.92E-04	-3.85E-04	-3.89E-05
2.76E+02	-4.72E-04	-2.78E-04	2.35E-05
2.76E+02	-4.64E-04	-2.38E-04	-2.61E-05
2.76E+02	-4.33E-04	-2.06E-04	-3.13E-05
2.76E+02	-3.68E-04	-1.44E-04	4.16E-05
2.76E+02	-2.94E-04	-9.71E-05	6.16E-05
2.76E+02	-2.48E-04	-4.67E-05	1.06E-04
2.76E+02	-2.16E-04	-9.73E-06	1.36E-04

2.76E+02	-1.42E-04	2.46E-05	1.54E-04
2.76E+02	-9.29E-05	3.19E-05	1.57E-04
2.76E+02	-8.28E-05	-1.35E-05	6.94E-05
2.76E+02	-6.47E-05	-3.30E-05	1.03E-05
2.76E+02	-4.31E-05	-4.63E-05	-5.13E-05
2.76E+02	-6.29E-06	-8.53E-05	-2.02E-04
2.76E+02	-1.07E-05	-1.10E-04	-2.98E-04
2.76E+02	-2.63E-05	-1.27E-04	-3.11E-04
2.76E+02	8.01E-06	-1.14E-04	-2.44E-04
2.76E+02	2.21E-05	-8.56E-05	-1.02E-04
2.76E+02	-2.29E-06	-1.16E-04	-2.69E-05
2.76E+02	-2.61E-05	-1.59E-04	5.89E-05
2.76E+02	-3.91E-05	-1.84E-04	1.63E-04
2.76E+02	-3.30E-05	-2.15E-04	1.87E-04
2.76E+02	-4.79E-05	-2.15E-04	2.33E-04
2.76E+02	-6.77E-05	-1.90E-04	2.50E-04
2.76E+02	-1.35E-05	-1.48E-04	2.35E-04
2.76E+02	4.16E-05	-9.50E-05	2.61E-04
2.76E+02	7.38E-05	-7.74E-05	2.27E-04
2.76E+02	1.38E-04	-7.13E-05	1.84E-04
2.76E+02	2.08E-04	-5.53E-05	1.69E-04
2.76E+02	2.90E-04	-4.16E-05	9.73E-05
2.76E+02	3.41E-04	-2.19E-05	4.83E-05
2.76E+02	3.61E-04	3.24E-06	7.71E-05
2.76E+02	4.23E-04	5.02E-05	1.64E-04
2.76E+02	4.68E-04	9.71E-05	2.75E-04
2.76E+02	4.67E-04	8.41E-05	2.83E-04
2.76E+02	4.94E-04	5.63E-05	2.20E-04
2.76E+02	5.47E-04	5.28E-05	1.70E-04
2.76E+02	6.05E-04	4.73E-05	4.90E-05
2.76E+02	6.35E-04	5.61E-05	-9.61E-05
2.76E+02	6.18E-04	7.93E-05	-1.73E-04
2.77E+02	6.06E-04	1.18E-04	-1.88E-04
2.77E+02	5.50E-04	1.62E-04	-1.01E-04
2.77E+02	4.06E-04	1.63E-04	2.50E-05
2.77E+02	2.48E-04	1.37E-04	1.71E-04
2.77E+02	9.75E-05	1.11E-04	3.73E-04
2.77E+02	-2.14E-05	6.77E-05	4.98E-04
2.77E+02	-1.03E-04	2.92E-05	5.68E-04
2.77E+02	-1.76E-04	2.27E-05	6.38E-04
2.77E+02	-1.67E-04	4.88E-05	6.53E-04
2.77E+02	-1.17E-04	9.90E-05	6.32E-04
2.77E+02	-1.04E-04	1.16E-04	5.16E-04
2.77E+02	-6.75E-05	1.16E-04	3.84E-04
2.77E+02	-3.26E-05	1.49E-04	3.36E-04
2.77E+02	-1.34E-05	1.72E-04	2.35E-04
2.77E+02	-1.74E-05	2.04E-04	1.08E-04

2.77E+02	-6.60E-05	2.59E-04	1.91E-05
2.77E+02	-7.25E-05	3.24E-04	-4.92E-05
2.77E+02	-5.15E-05	4.10E-04	-2.27E-05
2.77E+02	-5.53E-05	4.67E-04	3.38E-05
2.77E+02	-4.46E-05	5.17E-04	9.25E-05
2.77E+02	-1.74E-05	5.75E-04	1.97E-04
2.77E+02	3.72E-05	5.89E-04	2.31E-04
2.77E+02	8.16E-05	5.89E-04	2.47E-04
2.77E+02	6.66E-05	5.85E-04	3.00E-04
2.77E+02	7.38E-05	5.87E-04	3.25E-04
2.77E+02	7.69E-05	6.16E-04	3.58E-04
2.77E+02	5.53E-06	6.01E-04	3.09E-04
2.77E+02	-7.34E-05	5.41E-04	2.12E-04
2.77E+02	-1.69E-04	4.55E-04	2.48E-04
2.77E+02	-2.57E-04	3.19E-04	3.43E-04
2.77E+02	-3.24E-04	1.68E-04	4.54E-04
2.77E+02	-4.33E-04	9.54E-06	5.63E-04
2.77E+02	-4.65E-04	-1.16E-04	6.06E-04
2.77E+02	-4.13E-04	-1.76E-04	6.33E-04
2.77E+02	-3.81E-04	-2.11E-04	6.08E-04
2.77E+02	-3.20E-04	-2.21E-04	5.25E-04
2.77E+02	-2.23E-04	-1.93E-04	4.78E-04
2.77E+02	-1.07E-04	-1.63E-04	3.93E-04
2.77E+02	9.92E-06	-1.41E-04	2.66E-04
2.77E+02	8.07E-05	-1.19E-04	2.12E-04
2.77E+02	1.66E-04	-9.08E-05	2.01E-04
2.77E+02	2.53E-04	-3.81E-05	2.37E-04
2.77E+02	2.71E-04	-1.96E-05	2.43E-04
2.77E+02	2.78E-04	-5.17E-05	1.70E-04
2.77E+02	2.90E-04	-6.20E-05	1.53E-04
2.77E+02	3.12E-04	-7.80E-05	1.54E-04
2.77E+02	3.49E-04	-1.04E-04	1.47E-04
2.77E+02	3.24E-04	-1.41E-04	1.54E-04
2.77E+02	3.15E-04	-1.97E-04	1.45E-04
2.77E+02	3.70E-04	-2.21E-04	2.05E-04
2.77E+02	3.74E-04	-2.64E-04	2.63E-04
2.77E+02	3.65E-04	-3.42E-04	2.32E-04
2.77E+02	3.63E-04	-4.13E-04	2.23E-04
2.77E+02	3.48E-04	-4.87E-04	1.99E-04
2.77E+02	3.33E-04	-5.65E-04	1.28E-04
2.77E+02	2.65E-04	-6.42E-04	1.26E-04
2.77E+02	2.10E-04	-6.87E-04	1.84E-04
2.77E+02	1.95E-04	-6.92E-04	2.71E-04
2.77E+02	1.56E-04	-7.18E-04	3.53E-04
2.77E+02	1.35E-04	-7.52E-04	3.85E-04
2.77E+02	1.42E-04	-7.40E-04	4.36E-04
2.77E+02	1.58E-04	-6.99E-04	4.71E-04

2.77E+02	1.77E-04	-6.51E-04	4.56E-04
2.77E+02	1.46E-04	-5.91E-04	4.60E-04
2.77E+02	1.32E-04	-5.36E-04	4.27E-04
2.77E+02	1.73E-04	-4.80E-04	3.57E-04
2.77E+02	1.86E-04	-4.33E-04	2.75E-04
2.77E+02	1.92E-04	-4.25E-04	1.56E-04
2.77E+02	2.02E-04	-4.33E-04	1.21E-04
2.77E+02	2.17E-04	-4.42E-04	1.36E-04
2.77E+02	2.50E-04	-4.62E-04	9.59E-05
2.77E+02	2.37E-04	-4.86E-04	9.38E-05
2.77E+02	2.30E-04	-5.01E-04	9.86E-05
2.77E+02	2.78E-04	-4.95E-04	1.01E-04
2.77E+02	3.13E-04	-4.95E-04	1.02E-04
2.77E+02	3.44E-04	-5.19E-04	2.48E-06
2.77E+02	3.91E-04	-5.35E-04	-8.16E-05
2.77E+02	4.47E-04	-5.49E-04	-1.29E-04
2.77E+02	5.04E-04	-5.71E-04	-1.94E-04
2.77E+02	4.98E-04	-5.92E-04	-1.95E-04
2.77E+02	4.71E-04	-6.35E-04	-1.92E-04
2.77E+02	4.72E-04	-6.64E-04	-1.75E-04
2.77E+02	4.30E-04	-6.73E-04	-1.25E-04
2.77E+02	3.60E-04	-6.95E-04	-1.26E-04
2.77E+02	3.11E-04	-6.74E-04	-8.93E-05
2.77E+02	2.87E-04	-6.21E-04	8.20E-06
2.77E+02	2.82E-04	-5.79E-04	5.63E-05
2.77E+02	2.44E-04	-5.46E-04	9.67E-05
2.77E+02	2.06E-04	-5.29E-04	1.76E-04
2.77E+02	2.16E-04	-5.25E-04	2.47E-04
2.77E+02	2.17E-04	-5.48E-04	2.76E-04
2.77E+02	2.03E-04	-6.16E-04	2.21E-04
2.77E+02	2.02E-04	-6.78E-04	1.50E-04
2.77E+02	2.12E-04	-7.05E-04	1.28E-04
2.77E+02	2.26E-04	-7.09E-04	7.48E-05
2.77E+02	1.97E-04	-6.91E-04	-7.82E-06
2.77E+02	1.37E-04	-6.69E-04	-1.24E-04
2.77E+02	1.09E-04	-6.37E-04	-2.76E-04
2.77E+02	5.95E-05	-5.90E-04	-4.03E-04
2.77E+02	-2.02E-05	-5.68E-04	-5.45E-04
2.77E+02	-7.11E-05	-5.28E-04	-5.98E-04
2.77E+02	-1.08E-04	-4.64E-04	-5.00E-04
2.77E+02	-1.33E-04	-4.38E-04	-4.35E-04
2.77E+02	-1.89E-04	-4.30E-04	-4.21E-04
2.77E+02	-2.73E-04	-4.12E-04	-4.05E-04
2.77E+02	-2.85E-04	-3.58E-04	-3.78E-04
2.77E+02	-2.88E-04	-2.76E-04	-3.43E-04
2.77E+02	-3.22E-04	-2.31E-04	-4.08E-04
2.77E+02	-3.12E-04	-1.75E-04	-4.75E-04

2.77E+02	-2.76E-04	-8.47E-05	-4.28E-04
2.77E+02	-2.16E-04	-3.28E-05	-3.75E-04
2.77E+02	-1.56E-04	-1.93E-05	-2.87E-04
2.77E+02	-1.52E-04	-5.63E-05	-1.95E-04
2.77E+02	-1.23E-04	-1.15E-04	-1.79E-04
2.77E+02	-8.45E-05	-1.46E-04	-1.83E-04
2.77E+02	-9.08E-05	-1.92E-04	-2.52E-04
2.77E+02	-6.69E-05	-2.24E-04	-3.31E-04
2.77E+02	4.20E-06	-2.18E-04	-3.26E-04
2.77E+02	1.09E-04	-2.35E-04	-3.31E-04
2.77E+02	2.08E-04	-2.78E-04	-3.24E-04
2.77E+02	2.76E-04	-3.22E-04	-2.74E-04
2.77E+02	3.86E-04	-3.44E-04	-2.61E-04
2.77E+02	5.08E-04	-3.45E-04	-2.78E-04
2.77E+02	5.83E-04	-3.77E-04	-3.77E-04
2.77E+02	6.59E-04	-4.29E-04	-5.18E-04
2.77E+02	7.21E-04	-4.55E-04	-5.58E-04
2.77E+02	7.70E-04	-4.66E-04	-5.46E-04
2.77E+02	7.82E-04	-4.66E-04	-4.84E-04
2.77E+02	7.08E-04	-4.71E-04	-3.90E-04
2.77E+02	6.38E-04	-4.82E-04	-3.57E-04
2.77E+02	5.61E-04	-4.69E-04	-3.24E-04
2.77E+02	4.35E-04	-4.61E-04	-3.27E-04
2.77E+02	3.19E-04	-4.55E-04	-3.90E-04
2.77E+02	2.21E-04	-3.81E-04	-3.68E-04
2.77E+02	1.80E-04	-2.57E-04	-3.11E-04
2.77E+02	1.61E-04	-1.39E-04	-2.85E-04
2.77E+02	1.28E-04	4.77E-06	-1.78E-04
2.77E+02	1.75E-04	1.72E-04	-1.75E-05
2.77E+02	2.48E-04	3.11E-04	8.60E-05
2.77E+02	2.69E-04	3.80E-04	7.00E-05
2.77E+02	2.89E-04	3.80E-04	-2.33E-05
2.77E+02	3.04E-04	3.58E-04	-5.59E-05
2.77E+02	3.22E-04	3.32E-04	-7.04E-05
2.77E+02	3.11E-04	2.99E-04	-7.55E-05
2.77E+02	2.20E-04	2.47E-04	-3.24E-05
2.77E+02	1.58E-04	1.78E-04	-4.43E-05
2.77E+02	1.35E-04	1.01E-04	-6.68E-05
2.77E+02	8.83E-05	-8.96E-06	-1.14E-04
2.77E+02	6.68E-05	-1.39E-04	-2.63E-04
2.77E+02	7.11E-05	-2.47E-04	-4.05E-04
2.77E+02	9.54E-05	-3.24E-04	-5.68E-04
2.77E+02	1.30E-04	-3.77E-04	-7.41E-04
2.77E+02	1.31E-04	-4.03E-04	-7.96E-04
2.77E+02	1.25E-04	-4.02E-04	-7.91E-04
2.77E+02	1.28E-04	-3.68E-04	-7.05E-04
2.77E+02	9.44E-05	-3.28E-04	-5.87E-04

2.77E+02	5.97E-05	-3.14E-04	-5.66E-04
2.77E+02	4.52E-05	-2.79E-04	-5.50E-04
2.77E+02	3.59E-05	-2.31E-04	-5.47E-04
2.77E+02	2.71E-05	-1.79E-04	-5.82E-04
2.77E+02	-3.55E-05	-1.18E-04	-5.63E-04
2.77E+02	-7.67E-05	-5.61E-05	-4.93E-04
2.77E+02	-5.07E-05	5.04E-05	-3.57E-04
2.77E+02	-5.05E-05	1.59E-04	-1.95E-04
2.77E+02	-3.70E-05	2.46E-04	-9.73E-05
2.77E+02	8.58E-06	3.67E-04	-1.85E-05
2.77E+02	8.56E-05	4.99E-04	1.03E-05
2.77E+02	2.06E-04	6.32E-04	-9.10E-05
2.77E+02	3.08E-04	7.74E-04	-2.30E-04
2.77E+02	4.51E-04	8.88E-04	-3.32E-04
2.77E+02	6.54E-04	9.87E-04	-3.72E-04
2.77E+02	8.19E-04	1.04E-03	-3.70E-04
2.77E+02	9.64E-04	9.80E-04	-3.69E-04
2.77E+02	1.09E-03	8.84E-04	-3.07E-04
2.77E+02	1.17E-03	7.53E-04	-2.51E-04
2.77E+02	1.22E-03	5.80E-04	-2.70E-04
2.77E+02	1.17E-03	4.26E-04	-2.73E-04
2.77E+02	1.10E-03	2.84E-04	-2.80E-04
2.77E+02	1.04E-03	1.77E-04	-2.78E-04
2.77E+02	9.16E-04	1.01E-04	-2.39E-04
2.77E+02	7.69E-04	8.20E-06	-2.41E-04
2.77E+02	6.40E-04	-4.67E-05	-2.07E-04
2.77E+02	5.39E-04	-8.51E-05	-1.36E-04
2.77E+02	4.87E-04	-1.38E-04	-1.14E-04
2.77E+02	4.23E-04	-1.59E-04	-7.55E-05
2.77E+02	3.66E-04	-1.62E-04	-4.56E-05
2.77E+02	3.85E-04	-1.06E-04	2.29E-06
2.77E+02	3.82E-04	-2.82E-05	5.89E-05
2.77E+02	3.56E-04	-1.14E-06	-8.77E-06
2.77E+02	3.62E-04	3.40E-05	-8.64E-05
2.77E+02	3.55E-04	4.86E-05	-1.40E-04
2.77E+02	3.53E-04	3.05E-05	-2.35E-04
2.77E+02	3.23E-04	2.25E-05	-2.76E-04
2.77E+02	2.71E-04	9.92E-06	-2.97E-04
2.77E+02	2.74E-04	3.59E-05	-2.94E-04
2.77E+02	2.53E-04	9.17E-05	-2.56E-04
2.77E+02	1.93E-04	1.41E-04	-2.88E-04
2.77E+02	1.53E-04	2.38E-04	-2.92E-04
2.77E+02	1.25E-04	3.58E-04	-2.73E-04
2.77E+02	1.32E-04	4.51E-04	-3.64E-04
2.78E+02	1.22E-04	5.23E-04	-4.55E-04
2.78E+02	1.05E-04	5.76E-04	-4.62E-04
2.78E+02	1.68E-04	6.44E-04	-3.89E-04

2.78E+02	2.20E-04	6.96E-04	-2.22E-04
2.78E+02	2.35E-04	6.86E-04	-4.83E-05
2.78E+02	2.51E-04	6.45E-04	1.10E-04
2.78E+02	2.39E-04	5.80E-04	2.72E-04
2.78E+02	2.48E-04	5.17E-04	3.49E-04
2.78E+02	2.43E-04	4.77E-04	3.52E-04
2.78E+02	2.29E-04	4.55E-04	3.11E-04
2.78E+02	2.94E-04	4.70E-04	2.63E-04
2.78E+02	3.71E-04	4.92E-04	2.97E-04
2.78E+02	4.21E-04	4.71E-04	3.17E-04
2.78E+02	4.85E-04	4.20E-04	3.17E-04
2.78E+02	5.45E-04	3.40E-04	3.40E-04
2.78E+02	5.85E-04	2.10E-04	2.55E-04
2.78E+02	5.75E-04	6.58E-05	9.99E-05
2.78E+02	5.31E-04	-4.88E-05	-4.56E-05
2.78E+02	5.34E-04	-9.46E-05	-1.63E-04
2.78E+02	5.48E-04	-6.54E-05	-2.28E-04
2.78E+02	5.29E-04	-4.41E-05	-3.23E-04
2.78E+02	5.46E-04	-3.20E-05	-3.96E-04
2.78E+02	5.90E-04	5.15E-06	-3.90E-04
2.78E+02	6.20E-04	3.81E-06	-4.30E-04
2.78E+02	6.29E-04	-2.42E-05	-5.03E-04
2.78E+02	5.89E-04	-3.53E-05	-5.55E-04
2.78E+02	5.71E-04	-3.11E-05	-5.69E-04
2.78E+02	5.42E-04	8.39E-06	-4.97E-04
2.78E+02	4.39E-04	4.25E-05	-4.16E-04
2.78E+02	3.27E-04	6.33E-05	-3.11E-04
2.78E+02	2.05E-04	9.67E-05	-1.28E-04
2.78E+02	9.35E-05	9.84E-05	6.18E-05
2.78E+02	-2.12E-05	6.37E-05	2.57E-04
2.78E+02	-1.63E-04	1.37E-05	4.28E-04
2.78E+02	-2.54E-04	-2.82E-05	5.51E-04
2.78E+02	-3.21E-04	-5.25E-05	6.68E-04
2.78E+02	-4.14E-04	-1.15E-04	6.92E-04
2.78E+02	-4.88E-04	-1.93E-04	6.58E-04
2.78E+02	-5.28E-04	-2.25E-04	6.82E-04
2.78E+02	-5.31E-04	-2.36E-04	6.48E-04
2.78E+02	-5.22E-04	-2.32E-04	5.47E-04
2.78E+02	-5.15E-04	-2.08E-04	4.53E-04
2.78E+02	-4.30E-04	-1.75E-04	3.30E-04
2.78E+02	-2.89E-04	-1.27E-04	2.27E-04
2.78E+02	-1.77E-04	-1.19E-04	8.91E-05
2.78E+02	-5.51E-05	-1.49E-04	-8.35E-05
2.78E+02	8.11E-05	-1.61E-04	-1.55E-04
2.78E+02	2.19E-04	-2.03E-04	-2.66E-04
2.78E+02	3.47E-04	-2.78E-04	-4.60E-04
2.78E+02	4.11E-04	-3.60E-04	-6.21E-04

2.78E+02	4.88E-04	-4.29E-04	-7.34E-04
2.78E+02	5.75E-04	-4.46E-04	-6.84E-04
2.78E+02	5.65E-04	-4.80E-04	-5.39E-04
2.78E+02	5.32E-04	-5.06E-04	-3.89E-04
2.78E+02	4.99E-04	-4.80E-04	-1.45E-04
2.78E+02	4.45E-04	-4.63E-04	8.34E-05
2.78E+02	3.97E-04	-4.32E-04	2.53E-04
2.78E+02	3.32E-04	-3.88E-04	4.17E-04
2.78E+02	3.27E-04	-3.39E-04	5.13E-04
2.78E+02	3.99E-04	-2.67E-04	5.88E-04
2.78E+02	4.55E-04	-2.13E-04	6.30E-04
2.78E+02	5.31E-04	-1.79E-04	5.85E-04
2.78E+02	6.36E-04	-1.41E-04	5.46E-04
2.78E+02	7.40E-04	-1.10E-04	4.74E-04
2.78E+02	8.26E-04	-8.72E-05	3.40E-04
2.78E+02	8.38E-04	-6.03E-05	2.40E-04
2.78E+02	8.30E-04	-7.25E-06	1.88E-04
2.78E+02	8.28E-04	9.88E-05	2.05E-04
2.78E+02	7.44E-04	1.74E-04	2.06E-04
2.78E+02	6.04E-04	1.76E-04	1.09E-04
2.78E+02	4.57E-04	1.83E-04	3.70E-05
2.78E+02	3.00E-04	1.85E-04	-2.75E-05
2.78E+02	1.36E-04	1.68E-04	-1.66E-04
2.78E+02	-6.62E-05	1.62E-04	-3.06E-04
2.78E+02	-2.48E-04	1.65E-04	-4.38E-04
2.78E+02	-3.59E-04	1.80E-04	-5.05E-04
2.78E+02	-4.70E-04	1.88E-04	-4.55E-04
2.78E+02	-5.85E-04	1.54E-04	-3.85E-04
2.78E+02	-6.51E-04	1.12E-04	-2.41E-04
2.78E+02	-6.59E-04	8.96E-05	-1.41E-05
2.78E+02	-6.45E-04	5.30E-05	1.67E-04
2.78E+02	-6.44E-04	6.10E-06	3.23E-04
2.78E+02	-6.15E-04	-2.78E-05	4.38E-04
2.78E+02	-5.30E-04	-3.41E-05	5.44E-04
2.78E+02	-4.57E-04	-4.50E-05	6.37E-04
2.78E+02	-3.84E-04	-9.78E-05	6.35E-04
2.78E+02	-2.78E-04	-1.26E-04	6.41E-04
2.78E+02	-1.62E-04	-1.17E-04	6.26E-04
2.78E+02	-3.81E-05	-1.19E-04	5.09E-04
2.78E+02	2.94E-05	-1.19E-04	3.69E-04
2.78E+02	6.26E-05	-1.15E-04	2.10E-04
2.78E+02	1.32E-04	-7.53E-05	6.96E-05
2.78E+02	1.47E-04	-1.53E-05	-2.69E-05
2.78E+02	1.13E-04	-2.67E-06	-1.50E-04
2.78E+02	9.04E-05	1.54E-05	-2.08E-04
2.78E+02	6.98E-05	3.51E-05	-1.70E-04
2.78E+02	6.79E-05	2.27E-05	-1.47E-04

2.78E+02	4.25E-05	1.41E-05	-9.84E-05
2.78E+02	1.62E-05	2.27E-05	-3.70E-05
2.78E+02	6.68E-05	9.38E-05	2.50E-05
2.78E+02	1.30E-04	2.15E-04	1.19E-04
2.78E+02	2.04E-04	3.27E-04	1.39E-04
2.78E+02	3.28E-04	4.48E-04	1.48E-04
2.78E+02	4.65E-04	5.80E-04	2.18E-04
2.78E+02	6.07E-04	6.87E-04	2.44E-04
2.78E+02	6.92E-04	7.57E-04	2.54E-04
2.78E+02	7.11E-04	7.77E-04	2.53E-04
2.78E+02	7.30E-04	7.57E-04	2.47E-04
2.78E+02	6.78E-04	6.89E-04	2.84E-04
2.78E+02	5.23E-04	5.35E-04	2.60E-04
2.78E+02	3.33E-04	3.54E-04	2.50E-04
2.78E+02	1.21E-04	1.73E-04	2.97E-04
2.78E+02	-6.85E-05	-1.62E-05	2.82E-04
2.78E+02	-2.27E-04	-1.83E-04	2.57E-04
2.78E+02	-3.71E-04	-3.50E-04	2.05E-04
2.78E+02	-4.10E-04	-4.72E-04	1.64E-04
2.78E+02	-3.78E-04	-5.42E-04	1.87E-04
2.78E+02	-3.52E-04	-6.49E-04	1.27E-04
2.78E+02	-2.83E-04	-7.43E-04	1.47E-05
2.78E+02	-1.82E-04	-7.77E-04	-4.84E-05
2.78E+02	-7.55E-05	-7.67E-04	-1.09E-04
2.78E+02	6.29E-06	-7.13E-04	-1.37E-04
2.78E+02	4.60E-05	-6.34E-04	-1.05E-04
2.78E+02	1.15E-04	-5.17E-04	-2.17E-05
2.78E+02	1.79E-04	-3.75E-04	1.29E-04
2.78E+02	1.82E-04	-2.76E-04	2.34E-04
2.78E+02	1.88E-04	-1.98E-04	2.80E-04
2.78E+02	2.09E-04	-1.15E-04	2.96E-04
2.78E+02	2.28E-04	-8.03E-05	1.56E-04
2.78E+02	2.44E-04	-9.12E-05	-5.97E-05
2.78E+02	2.29E-04	-1.34E-04	-2.37E-04
2.78E+02	2.35E-04	-1.99E-04	-3.63E-04
2.78E+02	2.61E-04	-2.62E-04	-4.10E-04
2.78E+02	2.27E-04	-3.73E-04	-4.59E-04
2.78E+02	1.82E-04	-5.11E-04	-4.46E-04
2.78E+02	1.37E-04	-6.15E-04	-2.86E-04
2.78E+02	6.77E-05	-7.14E-04	-1.13E-04
2.78E+02	-3.11E-05	-8.02E-04	5.11E-05
2.78E+02	-1.82E-04	-8.69E-04	2.39E-04
2.78E+02	-2.87E-04	-9.10E-04	4.02E-04
2.78E+02	-3.36E-04	-9.08E-04	5.47E-04
2.78E+02	-3.87E-04	-8.93E-04	5.89E-04
2.78E+02	-3.72E-04	-8.59E-04	5.08E-04
2.78E+02	-2.81E-04	-7.76E-04	4.31E-04

2.78E+02	-1.27E-04	-6.87E-04	3.17E-04
2.78E+02	5.53E-05	-5.68E-04	1.87E-04
2.78E+02	1.96E-04	-4.07E-04	1.15E-04
2.78E+02	3.54E-04	-2.19E-04	7.55E-05
2.78E+02	4.96E-04	1.13E-05	1.10E-04
2.78E+02	5.36E-04	1.98E-04	1.43E-04
2.78E+02	5.26E-04	3.49E-04	1.48E-04
2.78E+02	4.64E-04	4.79E-04	2.04E-04
2.78E+02	3.70E-04	5.60E-04	2.42E-04
2.78E+02	2.47E-04	6.25E-04	2.60E-04
2.78E+02	4.83E-05	6.40E-04	2.57E-04
2.78E+02	-1.12E-04	6.26E-04	1.83E-04
2.78E+02	-2.16E-04	6.29E-04	1.19E-04
2.78E+02	-3.44E-04	6.04E-04	6.85E-05
2.78E+02	-4.35E-04	5.68E-04	4.84E-05
2.78E+02	-4.73E-04	5.60E-04	1.50E-04
2.78E+02	-4.52E-04	5.40E-04	2.36E-04
2.78E+02	-3.93E-04	4.97E-04	2.28E-04
2.78E+02	-3.68E-04	4.41E-04	2.16E-04
2.78E+02	-3.12E-04	3.77E-04	2.07E-04
2.78E+02	-2.31E-04	3.39E-04	2.20E-04
2.78E+02	-2.12E-04	2.90E-04	1.78E-04
2.78E+02	-2.08E-04	2.20E-04	5.05E-05
2.78E+02	-2.03E-04	1.70E-04	1.72E-06
2.78E+02	-1.85E-04	1.35E-04	1.72E-06
2.78E+02	-1.71E-04	9.54E-05	-3.28E-05
2.78E+02	-2.19E-04	6.89E-05	-9.92E-06
2.78E+02	-2.29E-04	8.01E-05	6.48E-05
2.78E+02	-1.74E-04	1.21E-04	1.68E-04
2.78E+02	-1.41E-04	1.59E-04	2.65E-04
2.78E+02	-8.41E-05	1.97E-04	2.69E-04
2.78E+02	1.75E-05	2.75E-04	2.66E-04
2.78E+02	1.37E-04	3.55E-04	2.43E-04
2.78E+02	2.71E-04	3.97E-04	1.38E-04
2.78E+02	3.61E-04	4.32E-04	6.52E-05
2.78E+02	4.49E-04	4.77E-04	6.48E-05
2.78E+02	5.88E-04	5.50E-04	1.16E-04
2.78E+02	6.83E-04	6.07E-04	1.53E-04
2.78E+02	7.30E-04	6.21E-04	1.14E-04
2.78E+02	7.75E-04	6.63E-04	1.08E-04
2.78E+02	8.13E-04	7.44E-04	1.52E-04
2.78E+02	8.39E-04	8.44E-04	1.78E-04
2.78E+02	7.97E-04	9.54E-04	2.07E-04
2.78E+02	7.21E-04	1.05E-03	2.04E-04
2.78E+02	6.67E-04	1.13E-03	1.91E-04
2.78E+02	5.57E-04	1.17E-03	1.74E-04
2.78E+02	3.95E-04	1.14E-03	9.44E-05

2.78E+02	2.36E-04	1.10E-03	4.08E-05
2.78E+02	9.19E-05	1.05E-03	3.36E-05
2.78E+02	-1.07E-05	9.58E-04	2.84E-05
2.78E+02	-1.27E-04	8.54E-04	6.83E-05
2.78E+02	-2.33E-04	7.23E-04	1.18E-04
2.78E+02	-2.60E-04	6.07E-04	1.95E-04
2.78E+02	-2.94E-04	4.83E-04	3.04E-04
2.78E+02	-3.19E-04	2.96E-04	3.47E-04
2.78E+02	-2.72E-04	1.21E-04	3.77E-04
2.79E+02	-1.81E-04	-3.62E-06	3.93E-04
2.79E+02	-5.70E-05	-9.10E-05	3.04E-04
2.79E+02	3.41E-05	-1.36E-04	1.90E-04
2.79E+02	1.02E-04	-1.43E-04	1.18E-04
2.79E+02	2.08E-04	-9.71E-05	1.08E-04
2.79E+02	2.73E-04	-2.16E-05	1.52E-04
2.79E+02	2.62E-04	3.74E-05	1.73E-04
2.79E+02	2.23E-04	1.10E-04	2.17E-04
2.79E+02	1.44E-04	1.94E-04	2.51E-04
2.79E+02	1.75E-05	2.66E-04	1.67E-04
2.79E+02	-1.69E-04	3.47E-04	6.83E-05
2.79E+02	-4.06E-04	4.36E-04	2.04E-05
2.79E+02	-6.21E-04	5.61E-04	3.22E-05
2.79E+02	-8.38E-04	6.98E-04	1.09E-04
2.79E+02	-1.06E-03	7.81E-04	1.51E-04
2.79E+02	-1.22E-03	8.23E-04	1.97E-04
2.79E+02	-1.33E-03	8.26E-04	2.98E-04
2.79E+02	-1.36E-03	7.82E-04	3.66E-04
2.79E+02	-1.38E-03	7.06E-04	3.77E-04
2.79E+02	-1.35E-03	6.50E-04	3.47E-04
2.79E+02	-1.20E-03	6.36E-04	2.87E-04
2.79E+02	-1.02E-03	6.37E-04	2.06E-04
2.79E+02	-8.41E-04	6.32E-04	9.50E-05
2.79E+02	-6.29E-04	6.35E-04	2.33E-05
2.79E+02	-4.19E-04	6.50E-04	1.93E-05
2.79E+02	-2.12E-04	6.21E-04	-2.78E-05
2.79E+02	-5.17E-05	5.48E-04	-1.17E-04
2.79E+02	4.43E-05	4.57E-04	-2.10E-04
2.79E+02	1.50E-04	3.76E-04	-2.83E-04
2.79E+02	2.24E-04	3.34E-04	-3.13E-04
2.79E+02	2.24E-04	2.88E-04	-3.83E-04
2.79E+02	2.12E-04	2.69E-04	-4.30E-04
2.79E+02	1.89E-04	3.05E-04	-3.54E-04
2.79E+02	1.61E-04	3.53E-04	-2.40E-04
2.79E+02	8.93E-05	3.96E-04	-1.20E-04
2.79E+02	-4.86E-05	4.16E-04	-6.68E-06
2.79E+02	-1.69E-04	4.28E-04	8.45E-05
2.79E+02	-3.13E-04	4.55E-04	2.22E-04

2.79E+02	-5.26E-04	4.51E-04	3.35E-04
2.79E+02	-7.27E-04	4.29E-04	3.70E-04
2.79E+02	-8.83E-04	4.35E-04	4.33E-04
2.79E+02	-1.01E-03	4.13E-04	4.25E-04
2.79E+02	-1.13E-03	3.61E-04	3.12E-04
2.79E+02	-1.23E-03	3.25E-04	1.95E-04
2.79E+02	-1.25E-03	3.10E-04	4.83E-05
2.79E+02	-1.22E-03	3.26E-04	-6.50E-05
2.79E+02	-1.19E-03	3.41E-04	-2.08E-04
2.79E+02	-1.12E-03	3.69E-04	-4.10E-04
2.79E+02	-9.98E-04	4.60E-04	-5.34E-04
2.79E+02	-8.53E-04	5.82E-04	-6.40E-04
2.79E+02	-7.24E-04	6.83E-04	-7.25E-04
2.79E+02	-6.41E-04	7.47E-04	-7.12E-04
2.79E+02	-5.34E-04	7.71E-04	-6.35E-04
2.79E+02	-4.12E-04	7.62E-04	-4.84E-04
2.79E+02	-3.49E-04	6.82E-04	-3.21E-04
2.79E+02	-3.17E-04	5.33E-04	-1.67E-04
2.79E+02	-3.06E-04	3.92E-04	4.54E-05
2.79E+02	-3.01E-04	2.47E-04	2.04E-04
2.79E+02	-3.04E-04	1.02E-04	2.68E-04
2.79E+02	-3.58E-04	-1.91E-06	3.25E-04
2.79E+02	-3.99E-04	-6.87E-05	3.63E-04
2.79E+02	-4.07E-04	-9.61E-05	3.95E-04
2.79E+02	-4.42E-04	-1.32E-04	3.68E-04
2.79E+02	-4.59E-04	-1.98E-04	2.39E-04
2.79E+02	-4.25E-04	-2.37E-04	1.38E-04
2.79E+02	-3.54E-04	-2.57E-04	3.41E-05
2.79E+02	-2.74E-04	-2.75E-04	-1.25E-04
2.79E+02	-2.39E-04	-2.71E-04	-2.81E-04
2.79E+02	-2.04E-04	-2.40E-04	-4.32E-04
2.79E+02	-1.53E-04	-1.77E-04	-4.92E-04
2.79E+02	-1.56E-04	-1.33E-04	-4.60E-04
2.79E+02	-1.72E-04	-1.31E-04	-3.82E-04
2.79E+02	-1.65E-04	-1.14E-04	-1.97E-04
2.79E+02	-1.41E-04	-1.16E-04	-4.33E-05
2.79E+02	-8.89E-05	-1.57E-04	-3.01E-05
2.79E+02	-6.52E-05	-1.97E-04	-7.80E-05
2.79E+02	-4.98E-05	-2.19E-04	-1.67E-04
2.79E+02	-6.68E-06	-1.73E-04	-2.24E-04
2.79E+02	-1.16E-05	-1.27E-04	-2.30E-04
2.79E+02	-5.04E-05	-1.37E-04	-2.22E-04
2.79E+02	-9.27E-05	-1.50E-04	-1.10E-04
2.79E+02	-1.46E-04	-2.01E-04	2.16E-05
2.79E+02	-2.00E-04	-2.74E-04	6.35E-05
2.79E+02	-2.90E-04	-3.35E-04	6.92E-05
2.79E+02	-3.53E-04	-3.85E-04	2.08E-05

2.79E+02	-3.25E-04	-3.62E-04	-4.31E-05
2.79E+02	-2.92E-04	-3.21E-04	-1.28E-04
2.79E+02	-2.28E-04	-2.99E-04	-2.30E-04
2.79E+02	-1.18E-04	-2.57E-04	-2.09E-04
2.79E+02	-3.32E-05	-2.37E-04	-1.37E-04
2.79E+02	3.85E-05	-2.45E-04	-1.03E-04
2.79E+02	3.81E-05	-2.50E-04	-4.58E-05
2.79E+02	0.00E+00	-2.43E-04	3.05E-06
2.79E+02	4.58E-06	-1.88E-04	3.36E-05
2.79E+02	-4.25E-05	-1.10E-04	2.92E-05
2.79E+02	-1.32E-04	-4.77E-05	-5.02E-05
2.79E+02	-2.04E-04	2.71E-05	-9.02E-05
2.79E+02	-2.76E-04	8.45E-05	-9.06E-05
2.79E+02	-3.45E-04	9.23E-05	-1.62E-04
2.79E+02	-4.46E-04	7.46E-05	-2.72E-04
2.79E+02	-5.36E-04	2.99E-05	-4.09E-04
2.79E+02	-5.55E-04	-1.32E-05	-5.28E-04
2.79E+02	-5.87E-04	-5.11E-05	-5.59E-04
2.79E+02	-6.20E-04	-9.99E-05	-5.71E-04
2.79E+02	-6.29E-04	-1.35E-04	-5.47E-04
2.79E+02	-6.26E-04	-1.57E-04	-4.48E-04
2.79E+02	-5.66E-04	-1.67E-04	-3.49E-04
2.79E+02	-5.11E-04	-1.67E-04	-2.38E-04
2.79E+02	-4.51E-04	-1.50E-04	-1.06E-04
2.79E+02	-3.19E-04	-7.78E-05	3.59E-05
2.79E+02	-2.00E-04	3.03E-05	1.73E-04
2.79E+02	-1.16E-04	1.18E-04	2.16E-04
2.79E+02	-2.67E-05	2.12E-04	2.43E-04
2.79E+02	5.74E-05	3.17E-04	3.34E-04
2.79E+02	1.29E-04	3.88E-04	4.13E-04
2.79E+02	1.42E-04	4.29E-04	4.92E-04
2.79E+02	9.86E-05	4.13E-04	5.11E-04
2.79E+02	7.72E-05	3.58E-04	3.95E-04
2.79E+02	3.32E-05	2.84E-04	1.91E-04
2.79E+02	-6.39E-05	1.48E-04	-7.55E-05
2.79E+02	-1.45E-04	1.43E-05	-2.84E-04
2.79E+02	-2.01E-04	-9.16E-05	-3.71E-04
2.79E+02	-2.31E-04	-2.12E-04	-4.35E-04
2.79E+02	-2.61E-04	-3.15E-04	-4.31E-04
2.79E+02	-3.07E-04	-4.08E-04	-3.55E-04
2.79E+02	-3.08E-04	-4.72E-04	-3.02E-04
2.79E+02	-3.06E-04	-4.77E-04	-2.97E-04
2.79E+02	-3.32E-04	-4.83E-04	-4.19E-04
2.79E+02	-3.25E-04	-4.47E-04	-5.33E-04
2.79E+02	-2.78E-04	-3.57E-04	-4.86E-04
2.79E+02	-2.02E-04	-2.87E-04	-4.11E-04
2.79E+02	-1.38E-04	-2.17E-04	-2.99E-04

2.79E+02	-1.03E-04	-2.02E-04	-1.75E-04
2.79E+02	-6.68E-06	-2.23E-04	-1.00E-04
2.79E+02	1.17E-04	-2.24E-04	1.05E-05
2.79E+02	1.90E-04	-2.61E-04	5.74E-05
2.79E+02	2.72E-04	-2.82E-04	6.77E-05
2.79E+02	3.62E-04	-2.54E-04	1.28E-04
2.79E+02	4.31E-04	-2.26E-04	1.07E-04
2.79E+02	4.58E-04	-2.05E-04	4.75E-05
2.79E+02	4.24E-04	-1.91E-04	2.52E-05
2.79E+02	3.90E-04	-1.71E-04	-1.22E-05
2.79E+02	3.37E-04	-1.55E-04	-6.73E-05
2.79E+02	2.29E-04	-1.79E-04	-2.14E-04
2.79E+02	1.34E-04	-2.04E-04	-4.27E-04
2.79E+02	6.52E-05	-1.83E-04	-5.64E-04
2.79E+02	9.16E-06	-1.36E-04	-6.41E-04
2.79E+02	-5.91E-05	-9.19E-05	-6.44E-04
2.79E+02	-1.56E-04	-6.54E-05	-5.49E-04
2.79E+02	-1.98E-04	-4.29E-05	-3.88E-04
2.79E+02	-2.05E-04	-3.24E-05	-2.04E-04
2.79E+02	-2.37E-04	-7.34E-05	-1.27E-04
2.79E+02	-2.30E-04	-1.04E-04	-1.14E-04
2.79E+02	-1.88E-04	-7.90E-05	-5.57E-05
2.79E+02	-1.26E-04	-2.94E-05	-3.87E-05
2.79E+02	-5.76E-05	6.12E-05	-4.29E-05
2.79E+02	-3.59E-05	1.84E-04	1.51E-05
2.79E+02	4.96E-06	3.19E-04	1.19E-04
2.79E+02	6.37E-05	4.66E-04	2.82E-04
2.79E+02	5.93E-05	5.51E-04	3.76E-04
2.79E+02	3.45E-05	5.76E-04	3.42E-04
2.79E+02	2.50E-05	6.06E-04	3.25E-04
2.79E+02	2.52E-05	6.22E-04	2.90E-04
2.79E+02	2.10E-05	6.20E-04	2.45E-04
2.79E+02	-1.81E-05	5.81E-04	2.76E-04
2.79E+02	-2.12E-05	4.85E-04	3.03E-04
2.79E+02	2.65E-05	3.59E-04	3.44E-04
2.79E+02	3.66E-05	1.79E-04	3.77E-04
2.79E+02	5.15E-05	-1.87E-05	3.33E-04
2.79E+02	9.37E-05	-1.69E-04	3.21E-04
2.79E+02	1.53E-04	-2.83E-04	2.87E-04
2.79E+02	2.30E-04	-3.81E-04	1.68E-04
2.79E+02	2.49E-04	-4.61E-04	8.39E-05
2.79E+02	2.66E-04	-4.95E-04	5.65E-05
2.79E+02	3.02E-04	-4.72E-04	1.07E-04
2.79E+02	2.76E-04	-4.28E-04	1.86E-04
2.79E+02	2.38E-04	-3.91E-04	1.74E-04
2.79E+02	1.99E-04	-3.51E-04	1.47E-04
2.79E+02	1.57E-04	-2.97E-04	1.11E-04

2.79E+02	1.14E-04	-2.67E-04	1.58E-05
2.79E+02	1.93E-05	-2.61E-04	-4.94E-05
2.79E+02	-5.32E-05	-2.67E-04	-8.05E-05
2.79E+02	-6.56E-05	-2.78E-04	-5.68E-05
2.79E+02	-1.02E-04	-3.01E-04	3.34E-05
2.79E+02	-1.35E-04	-3.75E-04	1.13E-04
2.79E+02	-1.24E-04	-4.51E-04	2.47E-04
2.79E+02	-9.12E-05	-5.21E-04	3.89E-04
2.79E+02	-4.81E-05	-5.98E-04	4.24E-04
2.79E+02	-6.14E-05	-6.40E-04	4.41E-04
2.79E+02	-9.98E-05	-6.40E-04	4.38E-04
2.79E+02	-8.70E-05	-5.63E-04	4.03E-04
2.79E+02	-1.15E-04	-4.74E-04	3.30E-04
2.79E+02	-1.62E-04	-4.13E-04	1.84E-04
2.79E+02	-1.53E-04	-3.14E-04	1.28E-04
2.79E+02	-1.22E-04	-2.15E-04	1.30E-04
2.79E+02	-5.04E-05	-1.17E-04	9.50E-05
2.79E+02	1.03E-05	-1.14E-05	1.12E-04
2.79E+02	6.75E-05	7.80E-05	1.37E-04
2.79E+02	1.79E-04	1.93E-04	1.84E-04
2.79E+02	2.41E-04	2.90E-04	2.59E-04
2.80E+02	2.49E-04	3.38E-04	2.52E-04
2.80E+02	2.53E-04	3.77E-04	2.62E-04
2.80E+02	2.38E-04	3.89E-04	3.01E-04
2.80E+02	2.21E-04	3.49E-04	2.71E-04
2.80E+02	1.41E-04	2.78E-04	2.58E-04
2.80E+02	1.03E-05	1.88E-04	2.83E-04
2.80E+02	-8.70E-05	1.03E-04	3.05E-04
2.80E+02	-2.15E-04	-2.48E-06	3.19E-04
2.80E+02	-3.81E-04	-1.73E-04	2.73E-04
2.80E+02	-5.18E-04	-3.38E-04	2.43E-04
2.80E+02	-6.27E-04	-4.60E-04	2.76E-04
2.80E+02	-6.93E-04	-5.53E-04	2.72E-04
2.80E+02	-7.51E-04	-5.89E-04	2.67E-04
2.80E+02	-7.83E-04	-5.92E-04	2.85E-04
2.80E+02	-7.15E-04	-5.67E-04	3.16E-04
2.80E+02	-6.28E-04	-5.31E-04	3.53E-04
2.80E+02	-5.46E-04	-5.34E-04	2.91E-04
2.80E+02	-4.23E-04	-5.25E-04	2.01E-04
2.80E+02	-2.89E-04	-4.95E-04	1.57E-04
2.80E+02	-1.48E-04	-4.77E-04	6.18E-05
2.80E+02	-6.08E-05	-4.61E-04	-2.44E-05
2.80E+02	-4.27E-05	-4.39E-04	-6.48E-05
2.80E+02	-1.72E-05	-3.80E-04	-7.55E-05
2.80E+02	-3.43E-05	-2.95E-04	-5.95E-05
2.80E+02	-1.09E-04	-2.40E-04	-1.10E-04
2.80E+02	-1.68E-04	-1.75E-04	-1.55E-04

2.80E+02	-2.22E-04	-8.07E-05	-1.04E-04
2.80E+02	-2.80E-04	4.77E-06	-2.90E-05
2.80E+02	-3.63E-04	7.67E-05	5.97E-05
2.80E+02	-4.75E-04	1.29E-04	1.54E-04
2.80E+02	-5.28E-04	1.54E-04	2.31E-04
2.80E+02	-5.58E-04	1.44E-04	2.97E-04
2.80E+02	-6.13E-04	7.13E-05	3.07E-04
2.80E+02	-6.18E-04	1.91E-06	3.13E-04
2.80E+02	-5.70E-04	-1.75E-05	3.93E-04
2.80E+02	-4.89E-04	-3.22E-05	4.55E-04
2.80E+02	-4.34E-04	-4.65E-05	5.04E-04
2.80E+02	-4.38E-04	-5.84E-05	5.64E-04
2.80E+02	-4.38E-04	-5.05E-05	5.99E-04
2.80E+02	-4.82E-04	-2.80E-05	6.32E-04
2.80E+02	-5.81E-04	-6.33E-05	5.52E-04
2.80E+02	-6.69E-04	-1.14E-04	4.00E-04
2.80E+02	-7.38E-04	-1.36E-04	3.04E-04
2.80E+02	-7.49E-04	-1.67E-04	1.89E-04
2.80E+02	-7.44E-04	-1.96E-04	1.05E-04
2.80E+02	-7.59E-04	-2.38E-04	7.21E-05
2.80E+02	-7.13E-04	-3.01E-04	1.64E-05
2.80E+02	-6.49E-04	-3.48E-04	-3.15E-05
2.80E+02	-6.36E-04	-3.98E-04	-7.95E-05
2.80E+02	-6.35E-04	-4.35E-04	-1.09E-04
2.80E+02	-6.16E-04	-4.05E-04	-5.40E-05
2.80E+02	-5.66E-04	-3.22E-04	3.07E-05
2.80E+02	-5.34E-04	-2.36E-04	1.15E-04
2.80E+02	-5.41E-04	-1.54E-04	2.34E-04
2.80E+02	-5.05E-04	-6.69E-05	3.57E-04
2.80E+02	-4.46E-04	1.77E-05	4.70E-04
2.80E+02	-4.24E-04	5.63E-05	5.07E-04
2.80E+02	-3.85E-04	5.55E-05	4.56E-04
2.80E+02	-3.18E-04	6.10E-05	4.07E-04
2.80E+02	-2.35E-04	5.53E-05	3.08E-04
2.80E+02	-1.57E-04	3.24E-05	1.73E-04
2.80E+02	-1.21E-04	-7.25E-06	8.60E-05
2.80E+02	-6.50E-05	-7.63E-05	4.75E-05
2.80E+02	1.53E-06	-1.45E-04	9.96E-05
2.80E+02	3.62E-06	-2.34E-04	1.90E-04
2.80E+02	-2.29E-05	-3.54E-04	2.44E-04
2.80E+02	-7.86E-05	-4.54E-04	3.00E-04
2.80E+02	-1.66E-04	-5.66E-04	2.76E-04
2.80E+02	-2.81E-04	-6.98E-04	1.76E-04
2.80E+02	-4.65E-04	-7.99E-04	1.15E-04
2.80E+02	-6.13E-04	-8.50E-04	8.60E-05
2.80E+02	-6.95E-04	-8.26E-04	1.15E-04
2.80E+02	-7.96E-04	-7.77E-04	1.30E-04

2.80E+02	-8.44E-04	-7.24E-04	1.06E-04
2.80E+02	-8.50E-04	-6.44E-04	1.21E-04
2.80E+02	-8.47E-04	-5.81E-04	8.39E-05
2.80E+02	-8.17E-04	-5.31E-04	-2.35E-05
2.80E+02	-8.24E-04	-5.05E-04	-1.40E-04
2.80E+02	-7.85E-04	-4.97E-04	-2.30E-04
2.80E+02	-6.69E-04	-4.54E-04	-2.08E-04
2.80E+02	-5.73E-04	-4.23E-04	-1.30E-04
2.80E+02	-4.78E-04	-4.08E-04	-7.31E-05
2.80E+02	-3.71E-04	-3.73E-04	1.20E-05
2.80E+02	-2.64E-04	-3.44E-04	6.26E-05
2.80E+02	-1.79E-04	-3.20E-04	3.43E-05
2.80E+02	-1.72E-04	-2.96E-04	8.58E-06
2.80E+02	-2.05E-04	-2.78E-04	-2.86E-05
2.80E+02	-2.65E-04	-2.27E-04	-4.69E-05
2.80E+02	-4.00E-04	-1.87E-04	-6.35E-05
2.80E+02	-5.46E-04	-2.05E-04	-1.26E-04
2.80E+02	-6.52E-04	-2.09E-04	-8.56E-05
2.80E+02	-7.21E-04	-2.09E-04	3.83E-05
2.80E+02	-7.47E-04	-2.25E-04	1.41E-04
2.80E+02	-7.81E-04	-2.21E-04	2.41E-04
2.80E+02	-7.85E-04	-2.07E-04	2.85E-04
2.80E+02	-7.20E-04	-1.62E-04	2.70E-04
2.80E+02	-6.81E-04	-1.37E-04	1.77E-04
2.80E+02	-6.60E-04	-1.60E-04	5.72E-07
2.80E+02	-6.22E-04	-1.52E-04	-9.38E-05
2.80E+02	-5.67E-04	-1.36E-04	-1.13E-04
2.80E+02	-4.79E-04	-1.17E-04	-1.63E-04
2.80E+02	-4.32E-04	-8.35E-05	-1.85E-04
2.80E+02	-4.04E-04	-6.29E-05	-1.85E-04
2.80E+02	-3.51E-04	-2.04E-05	-1.76E-04
2.80E+02	-3.66E-04	9.92E-06	-1.67E-04
2.80E+02	-4.25E-04	3.24E-06	-2.55E-04
2.80E+02	-4.77E-04	6.87E-06	-3.60E-04
2.80E+02	-5.12E-04	7.44E-06	-4.07E-04
2.80E+02	-5.20E-04	-1.32E-05	-4.33E-04
2.80E+02	-5.45E-04	-5.30E-05	-3.57E-04
2.80E+02	-5.31E-04	-1.19E-04	-2.26E-04
2.80E+02	-4.55E-04	-2.14E-04	-1.13E-04
2.80E+02	-4.00E-04	-3.35E-04	-9.54E-07
2.80E+02	-3.56E-04	-4.80E-04	4.27E-05
2.80E+02	-3.05E-04	-6.13E-04	5.80E-05
2.80E+02	-2.50E-04	-7.04E-04	4.88E-05
2.80E+02	-1.86E-04	-7.71E-04	-4.14E-05
2.80E+02	-1.68E-04	-8.02E-04	-9.82E-05
2.80E+02	-1.69E-04	-7.76E-04	-8.35E-05
2.80E+02	-1.02E-04	-6.77E-04	-2.98E-05

2.80E+02	-4.41E-05	-5.47E-04	5.72E-07
2.80E+02	-1.95E-05	-4.63E-04	-9.61E-05
2.80E+02	3.30E-05	-3.90E-04	-2.18E-04
2.80E+02	8.37E-05	-3.04E-04	-3.00E-04
2.80E+02	1.38E-04	-2.21E-04	-3.78E-04
2.80E+02	1.41E-04	-1.32E-04	-3.79E-04
2.80E+02	8.09E-05	-6.66E-05	-3.42E-04
2.80E+02	5.11E-05	4.01E-06	-2.81E-04
2.80E+02	-2.98E-05	6.85E-05	-1.90E-04
2.80E+02	-1.60E-04	8.51E-05	-1.96E-04
2.80E+02	-2.48E-04	8.70E-05	-2.34E-04
2.80E+02	-3.07E-04	7.99E-05	-2.12E-04
2.80E+02	-3.09E-04	6.22E-05	-1.71E-04
2.80E+02	-2.71E-04	2.92E-05	-7.10E-05
2.80E+02	-2.19E-04	-4.77E-06	7.71E-05
2.80E+02	-9.02E-05	-1.87E-05	2.37E-04
2.80E+02	6.01E-05	-4.92E-05	3.75E-04
2.80E+02	1.65E-04	-1.16E-04	3.74E-04
2.80E+02	2.81E-04	-1.67E-04	2.86E-04
2.80E+02	4.07E-04	-1.63E-04	1.80E-04
2.80E+02	5.15E-04	-1.45E-04	-3.81E-05
2.80E+02	5.73E-04	-1.35E-04	-2.85E-04
2.80E+02	5.46E-04	-1.33E-04	-4.65E-04
2.80E+02	5.16E-04	-1.37E-04	-5.83E-04
2.80E+02	4.40E-04	-1.48E-04	-6.28E-04
2.80E+02	2.74E-04	-2.13E-04	-6.88E-04
2.80E+02	1.16E-04	-2.98E-04	-7.45E-04
2.80E+02	-2.27E-05	-3.60E-04	-7.39E-04
2.80E+02	-1.03E-04	-4.04E-04	-7.48E-04
2.80E+02	-1.44E-04	-4.14E-04	-7.41E-04
2.80E+02	-1.74E-04	-3.78E-04	-6.68E-04
2.80E+02	-9.61E-05	-2.79E-04	-5.53E-04
2.80E+02	1.70E-05	-1.64E-04	-3.96E-04
2.80E+02	1.08E-04	-9.67E-05	-2.42E-04
2.80E+02	2.33E-04	-6.18E-05	-9.65E-05
2.80E+02	3.53E-04	-4.71E-05	7.61E-05
2.80E+02	4.50E-04	-4.86E-05	1.96E-04
2.80E+02	4.91E-04	-4.73E-05	2.38E-04
2.80E+02	4.60E-04	-2.56E-05	2.32E-04
2.80E+02	4.62E-04	2.25E-05	1.74E-04
2.80E+02	4.88E-04	9.04E-05	1.03E-04
2.80E+02	4.87E-04	1.27E-04	-1.34E-06
2.80E+02	5.07E-04	1.20E-04	-9.88E-05
2.80E+02	5.56E-04	1.17E-04	-1.02E-04
2.80E+02	6.24E-04	7.92E-05	-1.48E-04
2.80E+02	6.61E-04	9.16E-06	-2.70E-04
2.80E+02	6.40E-04	-3.87E-05	-3.54E-04

2.80E+02	6.17E-04	-7.55E-05	-4.56E-04
2.80E+02	5.82E-04	-6.90E-05	-5.35E-04
2.80E+02	5.08E-04	-4.86E-05	-5.87E-04
2.80E+02	4.29E-04	-2.67E-05	-6.40E-04
2.80E+02	3.61E-04	4.44E-05	-5.84E-04
2.80E+02	3.23E-04	1.24E-04	-4.90E-04
2.80E+02	2.99E-04	2.01E-04	-4.14E-04
2.80E+02	2.53E-04	2.63E-04	-3.31E-04
2.80E+02	2.62E-04	3.08E-04	-2.81E-04
2.80E+02	3.21E-04	3.68E-04	-1.97E-04
2.80E+02	3.50E-04	4.17E-04	-9.82E-05
2.80E+02	3.95E-04	4.66E-04	-3.34E-05
2.80E+02	4.67E-04	5.45E-04	7.02E-05
2.80E+02	5.51E-04	6.19E-04	1.22E-04
2.80E+02	6.16E-04	6.46E-04	4.63E-05
2.80E+02	6.07E-04	6.28E-04	-5.84E-05
2.80E+02	6.08E-04	6.00E-04	-1.83E-04
2.80E+02	6.43E-04	5.76E-04	-3.09E-04
2.80E+02	6.25E-04	5.41E-04	-4.63E-04
2.80E+02	6.11E-04	5.12E-04	-6.53E-04
2.80E+02	6.31E-04	5.36E-04	-7.14E-04
2.80E+02	6.54E-04	5.89E-04	-6.90E-04
2.80E+02	6.73E-04	6.09E-04	-6.72E-04
2.80E+02	6.63E-04	5.91E-04	-6.28E-04
2.80E+02	6.91E-04	5.48E-04	-5.85E-04
2.80E+02	7.77E-04	5.23E-04	-5.08E-04
2.80E+02	8.49E-04	5.13E-04	-4.09E-04
2.80E+02	9.12E-04	4.95E-04	-3.40E-04
2.80E+02	9.76E-04	5.26E-04	-2.05E-04
2.80E+02	1.04E-03	5.63E-04	-5.11E-05
2.80E+02	1.06E-03	5.62E-04	2.29E-05
2.80E+02	9.98E-04	5.50E-04	7.23E-05
2.80E+02	9.13E-04	5.28E-04	9.25E-05
2.81E+02	8.56E-04	5.26E-04	1.03E-04
2.81E+02	7.43E-04	5.03E-04	1.08E-04
2.81E+02	6.18E-04	4.23E-04	9.94E-05
2.81E+02	5.31E-04	3.56E-04	1.73E-04
2.81E+02	4.55E-04	2.97E-04	2.29E-04
2.81E+02	4.21E-04	2.40E-04	1.89E-04
2.81E+02	3.94E-04	2.16E-04	1.48E-04
2.81E+02	4.06E-04	2.11E-04	6.71E-05
2.81E+02	5.21E-04	2.56E-04	-1.93E-05
2.81E+02	6.33E-04	3.04E-04	-9.67E-05
2.81E+02	7.39E-04	3.29E-04	-2.05E-04
2.81E+02	8.71E-04	4.09E-04	-2.21E-04
2.81E+02	9.83E-04	4.98E-04	-1.85E-04
2.81E+02	1.09E-03	5.86E-04	-1.73E-04

2.81E+02	1.12E-03	7.03E-04	-1.12E-04
2.81E+02	1.10E-03	8.10E-04	-4.56E-05
2.81E+02	1.09E-03	9.39E-04	5.72E-07
2.81E+02	1.02E-03	1.06E-03	3.24E-06
2.81E+02	9.18E-04	1.13E-03	-1.20E-04
2.81E+02	8.26E-04	1.18E-03	-2.69E-04
2.81E+02	7.54E-04	1.19E-03	-3.54E-04
2.81E+02	7.07E-04	1.14E-03	-3.89E-04
2.81E+02	6.25E-04	1.05E-03	-3.35E-04
2.81E+02	5.23E-04	9.13E-04	-2.24E-04
2.81E+02	4.62E-04	7.65E-04	-9.90E-05
2.81E+02	3.58E-04	6.00E-04	3.05E-06
2.81E+02	2.25E-04	4.23E-04	9.54E-06
2.81E+02	1.08E-04	2.95E-04	-7.63E-07
2.81E+02	1.72E-06	2.34E-04	1.77E-05
2.81E+02	-4.77E-05	2.34E-04	8.58E-06
2.81E+02	-9.16E-05	2.73E-04	4.98E-05
2.81E+02	-1.23E-04	3.30E-04	1.78E-04
2.81E+02	-6.77E-05	4.05E-04	3.58E-04
2.81E+02	4.39E-06	4.49E-04	5.11E-04
2.81E+02	6.52E-05	3.97E-04	4.94E-04
2.81E+02	1.57E-04	3.05E-04	3.85E-04
2.81E+02	2.70E-04	2.17E-04	2.87E-04
2.81E+02	4.12E-04	1.26E-04	1.44E-04
2.81E+02	5.35E-04	7.61E-05	-1.20E-05
2.81E+02	6.04E-04	6.85E-05	-1.59E-04
2.81E+02	7.02E-04	1.08E-04	-2.77E-04
2.81E+02	7.85E-04	1.92E-04	-2.90E-04
2.81E+02	7.78E-04	2.54E-04	-2.77E-04
2.81E+02	7.38E-04	3.11E-04	-2.49E-04
2.81E+02	6.67E-04	3.70E-04	-1.45E-04
2.81E+02	5.73E-04	3.95E-04	-6.64E-05
2.81E+02	4.44E-04	4.06E-04	6.68E-06
2.81E+02	2.85E-04	4.11E-04	1.27E-04
2.81E+02	2.04E-04	4.46E-04	2.86E-04
2.81E+02	1.70E-04	5.14E-04	5.25E-04
2.81E+02	1.40E-04	5.30E-04	7.26E-04
2.81E+02	1.79E-04	4.98E-04	8.61E-04
2.81E+02	2.42E-04	4.62E-04	9.58E-04
2.81E+02	3.07E-04	3.94E-04	8.76E-04
2.81E+02	3.38E-04	3.14E-04	6.57E-04
2.81E+02	2.91E-04	2.43E-04	3.94E-04
2.81E+02	2.69E-04	1.90E-04	1.15E-04
2.81E+02	2.57E-04	1.80E-04	-9.27E-05
2.81E+02	2.04E-04	1.63E-04	-2.44E-04
2.81E+02	1.73E-04	1.51E-04	-3.06E-04
2.81E+02	1.65E-04	1.64E-04	-2.51E-04

2.81E+02	1.89E-04	1.53E-04	-2.46E-04
2.81E+02	2.15E-04	1.42E-04	-2.85E-04
2.81E+02	2.00E-04	1.53E-04	-2.77E-04
2.81E+02	2.31E-04	1.94E-04	-2.49E-04
2.81E+02	2.76E-04	2.71E-04	-1.84E-04
2.81E+02	2.75E-04	3.23E-04	-1.75E-04
2.81E+02	2.80E-04	3.48E-04	-2.18E-04
2.81E+02	2.89E-04	3.82E-04	-1.44E-04
2.81E+02	3.03E-04	3.94E-04	-5.42E-05
2.81E+02	2.94E-04	3.80E-04	-2.54E-05
2.81E+02	2.44E-04	3.66E-04	1.22E-05
2.81E+02	2.22E-04	3.45E-04	4.54E-05
2.81E+02	2.26E-04	3.39E-04	1.58E-04
2.81E+02	1.87E-04	3.15E-04	3.03E-04
2.81E+02	1.14E-04	2.53E-04	3.79E-04
2.81E+02	3.28E-05	2.12E-04	4.45E-04
2.81E+02	-4.46E-05	1.61E-04	4.02E-04
2.81E+02	-1.08E-04	1.04E-04	2.57E-04
2.81E+02	-1.89E-04	7.04E-05	1.26E-04
2.81E+02	-2.08E-04	6.41E-05	1.28E-05
2.81E+02	-1.47E-04	8.96E-05	-4.16E-05
2.81E+02	-9.90E-05	7.11E-05	-1.06E-04
2.81E+02	-2.27E-05	1.39E-05	-1.69E-04
2.81E+02	8.60E-05	-2.73E-05	-1.10E-04
2.81E+02	2.12E-04	-7.50E-05	-2.92E-05
2.81E+02	3.22E-04	-1.26E-04	2.31E-05
2.81E+02	3.41E-04	-1.69E-04	1.14E-04
2.81E+02	3.49E-04	-1.97E-04	1.85E-04
2.81E+02	3.71E-04	-1.82E-04	2.19E-04
2.81E+02	3.18E-04	-1.62E-04	2.16E-04
2.81E+02	2.32E-04	-1.57E-04	1.65E-04
2.81E+02	1.56E-04	-1.35E-04	1.70E-04
2.81E+02	9.63E-05	-1.07E-04	2.12E-04
2.81E+02	8.05E-05	-7.86E-05	2.36E-04
2.81E+02	4.94E-05	-5.82E-05	2.82E-04
2.81E+02	4.63E-05	-4.29E-05	3.00E-04
2.81E+02	1.31E-04	-2.86E-06	3.07E-04
2.81E+02	2.00E-04	1.79E-05	2.76E-04
2.81E+02	2.67E-04	1.11E-05	1.56E-04
2.81E+02	3.52E-04	4.41E-05	1.07E-04
2.81E+02	3.94E-04	9.44E-05	1.31E-04
2.81E+02	4.06E-04	1.12E-04	1.21E-04
2.81E+02	3.44E-04	1.15E-04	1.03E-04
2.81E+02	2.52E-04	8.98E-05	6.94E-05
2.81E+02	2.22E-04	6.05E-05	5.91E-05
2.81E+02	1.73E-04	2.35E-05	9.25E-05
2.81E+02	1.14E-04	-6.29E-05	9.02E-05

2.81E+02	9.56E-05	-1.19E-04	1.13E-04
2.81E+02	1.01E-04	-1.63E-04	1.25E-04
2.81E+02	1.28E-04	-2.31E-04	2.69E-05
2.81E+02	1.13E-04	-3.00E-04	-6.96E-05
2.81E+02	8.07E-05	-3.79E-04	-1.65E-04
2.81E+02	9.42E-05	-4.14E-04	-2.68E-04
2.81E+02	7.08E-05	-4.25E-04	-3.23E-04
2.81E+02	1.11E-05	-4.61E-04	-3.86E-04
2.81E+02	-3.74E-05	-4.72E-04	-3.52E-04
2.81E+02	-1.08E-04	-4.69E-04	-2.17E-04
2.81E+02	-1.90E-04	-4.76E-04	-1.47E-04
2.81E+02	-3.11E-04	-4.79E-04	-1.07E-04
2.81E+02	-4.34E-04	-4.79E-04	-9.65E-05
2.81E+02	-4.54E-04	-4.48E-04	-7.93E-05
2.81E+02	-4.30E-04	-3.85E-04	-2.67E-06
2.81E+02	-3.85E-04	-3.47E-04	3.34E-05
2.81E+02	-2.85E-04	-3.04E-04	1.28E-04
2.81E+02	-1.51E-04	-2.53E-04	2.81E-04
2.81E+02	-6.48E-06	-2.67E-04	3.37E-04
2.81E+02	6.87E-05	-3.16E-04	3.97E-04
2.81E+02	9.04E-05	-3.74E-04	4.80E-04
2.81E+02	1.31E-04	-4.38E-04	5.55E-04
2.81E+02	1.18E-04	-4.96E-04	6.01E-04
2.81E+02	5.55E-05	-5.90E-04	5.15E-04
2.81E+02	7.06E-06	-6.81E-04	3.92E-04
2.81E+02	-3.72E-05	-7.37E-04	3.05E-04
2.81E+02	-6.58E-05	-8.01E-04	1.90E-04
2.81E+02	-1.27E-04	-8.48E-04	7.53E-05
2.81E+02	-2.05E-04	-8.70E-04	-4.29E-05
2.81E+02	-1.84E-04	-8.56E-04	-1.70E-04
2.81E+02	-1.30E-04	-7.93E-04	-2.62E-04
2.81E+02	-8.47E-05	-7.44E-04	-3.45E-04
2.81E+02	7.06E-06	-6.86E-04	-3.35E-04
2.81E+02	9.21E-05	-6.30E-04	-2.07E-04
2.81E+02	1.73E-04	-6.22E-04	-1.18E-04
2.81E+02	2.26E-04	-6.22E-04	-6.98E-05
2.81E+02	2.02E-04	-6.31E-04	-3.89E-05
2.81E+02	1.99E-04	-5.98E-04	-2.25E-05
2.81E+02	1.83E-04	-5.13E-04	9.54E-06
2.81E+02	1.04E-04	-4.51E-04	-2.82E-05
2.81E+02	4.71E-05	-3.67E-04	-6.96E-05
2.81E+02	8.58E-06	-2.55E-04	1.53E-06
2.81E+02	-1.32E-05	-1.76E-04	7.69E-05
2.81E+02	-3.59E-05	-1.25E-04	1.42E-04
2.81E+02	-9.59E-05	-1.15E-04	2.22E-04
2.81E+02	-1.07E-04	-1.41E-04	2.61E-04
2.81E+02	-9.99E-05	-1.72E-04	2.87E-04

2.81E+02	-1.48E-04	-2.32E-04	2.49E-04
2.81E+02	-1.84E-04	-2.84E-04	1.63E-04
2.81E+02	-1.97E-04	-2.81E-04	1.48E-04
2.81E+02	-1.95E-04	-2.74E-04	1.21E-04
2.81E+02	-1.99E-04	-2.92E-04	6.03E-05
2.81E+02	-2.47E-04	-3.29E-04	4.16E-05
2.81E+02	-2.59E-04	-3.61E-04	3.91E-05
2.81E+02	-2.25E-04	-3.63E-04	9.16E-05
2.81E+02	-2.06E-04	-3.90E-04	1.16E-04
2.81E+02	-1.60E-04	-4.25E-04	1.05E-04
2.81E+02	-7.19E-05	-4.13E-04	1.81E-04
2.81E+02	2.17E-05	-4.21E-04	2.07E-04
2.81E+02	9.94E-05	-4.40E-04	1.94E-04
2.81E+02	1.30E-04	-4.58E-04	2.08E-04
2.81E+02	1.69E-04	-5.04E-04	1.40E-04
2.81E+02	2.13E-04	-5.17E-04	4.60E-05
2.81E+02	1.72E-04	-5.37E-04	-9.31E-05
2.81E+02	8.37E-05	-5.79E-04	-2.71E-04
2.81E+02	-4.33E-05	-5.89E-04	-3.14E-04
2.81E+02	-2.04E-04	-6.19E-04	-2.92E-04
2.81E+02	-3.59E-04	-6.74E-04	-2.65E-04
2.81E+02	-5.45E-04	-7.30E-04	-1.70E-04
2.81E+02	-6.62E-04	-7.67E-04	-7.17E-05
2.81E+02	-6.65E-04	-7.40E-04	6.24E-05
2.81E+02	-6.43E-04	-7.14E-04	1.84E-04
2.81E+02	-5.48E-04	-6.88E-04	2.33E-04
2.81E+02	-3.86E-04	-6.03E-04	3.28E-04
2.81E+02	-1.94E-04	-5.04E-04	4.06E-04
2.81E+02	1.22E-05	-3.76E-04	4.44E-04
2.81E+02	1.38E-04	-2.60E-04	4.41E-04
2.81E+02	2.42E-04	-2.05E-04	3.39E-04
2.81E+02	3.52E-04	-1.53E-04	2.38E-04
2.81E+02	3.85E-04	-1.46E-04	1.08E-04
2.81E+02	4.04E-04	-1.77E-04	-4.90E-05
2.81E+02	4.42E-04	-1.83E-04	-7.78E-05
2.81E+02	4.99E-04	-1.97E-04	-6.85E-05
2.81E+02	5.59E-04	-2.37E-04	-1.30E-04
2.81E+02	5.50E-04	-3.01E-04	-1.72E-04
2.81E+02	5.39E-04	-3.53E-04	-2.08E-04
2.81E+02	5.70E-04	-3.48E-04	-2.50E-04
2.81E+02	5.65E-04	-3.37E-04	-2.99E-04
2.81E+02	5.51E-04	-3.45E-04	-3.74E-04
2.81E+02	5.46E-04	-3.37E-04	-3.24E-04
2.81E+02	5.22E-04	-3.21E-04	-1.71E-04
2.81E+02	4.63E-04	-3.02E-04	-5.46E-05
2.82E+02	3.24E-04	-2.81E-04	3.76E-05
2.82E+02	1.74E-04	-2.59E-04	6.58E-05

2.82E+02	6.94E-05	-2.29E-04	4.88E-05
2.82E+02	-3.19E-05	-2.18E-04	3.07E-05
2.82E+02	-8.87E-05	-2.37E-04	6.29E-06
2.82E+02	-6.83E-05	-2.42E-04	9.38E-05
2.82E+02	1.28E-05	-2.25E-04	2.53E-04
2.82E+02	1.42E-04	-2.03E-04	3.30E-04
2.82E+02	2.48E-04	-1.66E-04	3.32E-04
2.82E+02	3.49E-04	-1.13E-04	2.44E-04
2.82E+02	4.75E-04	-3.38E-05	1.06E-04
2.82E+02	5.09E-04	7.82E-06	-6.08E-05
2.82E+02	4.55E-04	-2.96E-05	-3.21E-04
2.82E+02	3.65E-04	-5.95E-05	-5.39E-04
2.82E+02	2.36E-04	-5.86E-05	-6.24E-04
2.82E+02	9.80E-05	-4.56E-05	-6.20E-04
2.82E+02	-7.55E-05	-1.11E-05	-5.29E-04
2.82E+02	-2.31E-04	2.57E-05	-4.50E-04
2.82E+02	-2.77E-04	9.02E-05	-4.03E-04
2.82E+02	-2.82E-04	1.59E-04	-3.28E-04
2.82E+02	-2.53E-04	1.77E-04	-2.79E-04
2.82E+02	-1.67E-04	1.97E-04	-2.22E-04
2.82E+02	-5.26E-05	2.19E-04	-1.50E-04
2.82E+02	9.16E-05	1.96E-04	-1.39E-04
2.82E+02	1.95E-04	1.40E-04	-1.28E-04
2.82E+02	2.67E-04	6.35E-05	-9.19E-05
2.82E+02	3.92E-04	1.49E-05	-2.92E-05
2.82E+02	4.93E-04	-5.15E-06	6.28E-05
2.82E+02	5.49E-04	-4.01E-05	7.71E-05
2.82E+02	6.17E-04	-5.66E-05	5.93E-05
2.82E+02	6.81E-04	-3.49E-05	7.00E-05
2.82E+02	7.41E-04	-1.72E-06	4.31E-05
2.82E+02	7.28E-04	3.40E-05	2.23E-05
2.82E+02	6.63E-04	5.36E-05	-2.10E-05
2.82E+02	6.24E-04	7.00E-05	-1.29E-04
2.82E+02	5.62E-04	1.18E-04	-2.27E-04
2.82E+02	4.87E-04	1.53E-04	-3.52E-04
2.82E+02	4.17E-04	1.76E-04	-4.19E-04
2.82E+02	3.52E-04	2.28E-04	-3.40E-04
2.82E+02	3.12E-04	2.61E-04	-2.85E-04
2.82E+02	2.40E-04	2.82E-04	-2.41E-04
2.82E+02	1.49E-04	3.10E-04	-1.64E-04
2.82E+02	1.22E-04	3.57E-04	-8.53E-05
2.82E+02	1.11E-04	4.17E-04	8.20E-06
2.82E+02	9.23E-05	4.28E-04	1.53E-05
2.82E+02	1.32E-04	4.26E-04	3.24E-06
2.82E+02	2.18E-04	4.34E-04	7.27E-05
2.82E+02	3.44E-04	4.18E-04	1.13E-04
2.82E+02	4.58E-04	3.94E-04	1.05E-04

2.82E+02	5.25E-04	3.61E-04	2.31E-05
2.82E+02	6.21E-04	3.42E-04	-1.52E-04
2.82E+02	6.99E-04	3.49E-04	-3.19E-04
2.82E+02	7.19E-04	3.36E-04	-5.12E-04
2.82E+02	7.46E-04	3.29E-04	-6.43E-04
2.82E+02	7.83E-04	3.47E-04	-5.68E-04
2.82E+02	8.20E-04	3.40E-04	-4.42E-04
2.82E+02	8.17E-04	3.09E-04	-3.35E-04
2.82E+02	7.58E-04	2.60E-04	-2.40E-04
2.82E+02	7.16E-04	2.13E-04	-2.12E-04
2.82E+02	6.39E-04	1.69E-04	-2.33E-04
2.82E+02	4.88E-04	7.99E-05	-3.23E-04
2.82E+02	3.51E-04	-2.57E-05	-3.88E-04
2.82E+02	2.26E-04	-1.03E-04	-3.82E-04
2.82E+02	1.09E-04	-1.69E-04	-4.13E-04
2.82E+02	3.81E-07	-2.08E-04	-4.26E-04
2.82E+02	-1.12E-04	-2.13E-04	-3.69E-04
2.82E+02	-1.40E-04	-1.61E-04	-2.81E-04
2.82E+02	-8.47E-05	-4.18E-05	-1.44E-04
2.82E+02	2.48E-06	7.74E-05	-3.36E-05
2.82E+02	1.58E-04	1.97E-04	4.58E-05
2.82E+02	3.66E-04	3.12E-04	1.59E-04
2.82E+02	5.90E-04	3.56E-04	1.92E-04
2.82E+02	7.72E-04	3.33E-04	1.40E-04
2.82E+02	8.64E-04	2.73E-04	7.27E-05
2.82E+02	9.29E-04	2.24E-04	-3.59E-05
2.82E+02	9.71E-04	2.29E-04	-1.21E-04
2.82E+02	9.46E-04	2.39E-04	-2.12E-04
2.82E+02	9.07E-04	2.44E-04	-2.93E-04
2.82E+02	8.75E-04	2.57E-04	-2.53E-04
2.82E+02	8.21E-04	2.42E-04	-2.01E-04
2.82E+02	7.42E-04	1.83E-04	-1.72E-04
2.82E+02	6.28E-04	9.75E-05	-1.29E-04
2.82E+02	5.43E-04	2.29E-06	-1.22E-04
2.82E+02	5.03E-04	-7.42E-05	-1.28E-04
2.82E+02	4.35E-04	-1.47E-04	-1.89E-04
2.82E+02	3.89E-04	-1.87E-04	-2.80E-04
2.82E+02	3.91E-04	-1.40E-04	-2.61E-04
2.82E+02	4.23E-04	-5.65E-05	-2.10E-04
2.82E+02	4.79E-04	3.70E-05	-1.69E-04
2.82E+02	4.88E-04	1.41E-04	-8.70E-05
2.82E+02	4.97E-04	2.59E-04	6.48E-06
2.82E+02	5.29E-04	4.03E-04	1.14E-04
2.82E+02	4.98E-04	5.02E-04	1.65E-04
2.82E+02	4.40E-04	5.48E-04	1.16E-04
2.82E+02	4.12E-04	5.81E-04	8.56E-05
2.82E+02	3.97E-04	5.74E-04	8.70E-05

2.82E+02	3.91E-04	5.24E-04	7.59E-05
2.82E+02	3.64E-04	4.55E-04	5.66E-05
2.82E+02	3.58E-04	3.77E-04	7.63E-07
2.82E+02	3.97E-04	3.31E-04	-7.38E-05
2.82E+02	3.78E-04	2.96E-04	-1.80E-04
2.82E+02	3.40E-04	2.55E-04	-3.10E-04
2.82E+02	3.32E-04	2.65E-04	-3.30E-04
2.82E+02	2.84E-04	2.66E-04	-2.85E-04
2.82E+02	2.04E-04	2.13E-04	-2.47E-04
2.82E+02	6.22E-05	1.35E-04	-1.37E-04
2.82E+02	-8.13E-05	4.67E-05	9.35E-06
2.82E+02	-1.56E-04	-1.07E-05	1.50E-04
2.82E+02	-2.32E-04	-6.41E-05	2.47E-04
2.82E+02	-2.69E-04	-1.29E-04	2.49E-04
2.82E+02	-2.40E-04	-1.69E-04	2.28E-04
2.82E+02	-1.67E-04	-2.04E-04	1.54E-04
2.82E+02	-4.98E-05	-2.18E-04	1.60E-05
2.82E+02	3.07E-05	-1.97E-04	-9.52E-05
2.82E+02	9.96E-05	-1.51E-04	-1.94E-04
2.82E+02	1.97E-04	-5.80E-05	-2.63E-04
2.82E+02	2.36E-04	3.43E-05	-3.03E-04
2.82E+02	2.44E-04	1.07E-04	-3.21E-04
2.82E+02	2.45E-04	1.76E-04	-2.49E-04
2.82E+02	2.24E-04	2.06E-04	-1.49E-04
2.82E+02	2.17E-04	2.07E-04	-9.56E-05
2.82E+02	1.70E-04	1.88E-04	-5.34E-05
2.82E+02	1.20E-04	1.57E-04	-3.81E-05
2.82E+02	1.42E-04	1.52E-04	-4.43E-05
2.82E+02	1.65E-04	1.50E-04	-5.91E-05
2.82E+02	1.94E-04	1.21E-04	-9.54E-05
2.82E+02	2.56E-04	1.02E-04	-3.51E-05
2.82E+02	3.13E-04	8.54E-05	1.07E-04
2.82E+02	3.57E-04	4.81E-05	2.22E-04
2.82E+02	3.31E-04	7.44E-06	3.40E-04
2.82E+02	2.51E-04	-3.60E-05	4.05E-04
2.82E+02	2.11E-04	-4.65E-05	4.01E-04
2.82E+02	1.48E-04	-3.57E-05	3.63E-04
2.82E+02	4.92E-05	-4.90E-05	2.34E-04
2.82E+02	-1.72E-06	-2.82E-05	1.37E-04
2.82E+02	-1.28E-05	2.25E-05	1.41E-04
2.82E+02	2.21E-05	6.85E-05	1.75E-04
2.82E+02	4.96E-05	1.28E-04	2.68E-04
2.82E+02	4.27E-05	1.94E-04	3.49E-04
2.82E+02	9.38E-05	2.83E-04	3.75E-04
2.82E+02	1.29E-04	3.54E-04	3.43E-04
2.82E+02	1.16E-04	3.41E-04	1.65E-04
2.82E+02	1.44E-04	2.91E-04	-1.96E-05

2.82E+02	1.81E-04	2.21E-04	-1.07E-04
2.82E+02	2.07E-04	1.18E-04	-1.63E-04
2.82E+02	1.94E-04	1.01E-05	-1.46E-04
2.82E+02	1.42E-04	-1.05E-04	-5.09E-05
2.82E+02	1.29E-04	-2.17E-04	7.34E-05
2.82E+02	9.48E-05	-3.29E-04	1.53E-04
2.82E+02	1.83E-05	-4.66E-04	8.54E-05
2.82E+02	-4.33E-05	-5.62E-04	-3.43E-06
2.82E+02	-8.41E-05	-5.73E-04	-2.23E-05
2.82E+02	-9.67E-05	-5.35E-04	-6.18E-05
2.82E+02	-1.22E-04	-4.56E-04	-5.04E-05
2.82E+02	-1.64E-04	-3.38E-04	6.43E-05
2.82E+02	-1.69E-04	-2.04E-04	2.09E-04
2.82E+02	-1.68E-04	-7.34E-05	3.43E-04
2.82E+02	-1.80E-04	2.23E-05	3.93E-04
2.82E+02	-1.75E-04	8.47E-05	3.72E-04
2.82E+02	-1.53E-04	1.49E-04	3.81E-04
2.82E+02	-1.12E-04	2.03E-04	3.65E-04
2.82E+02	-9.40E-05	2.35E-04	2.88E-04
2.82E+02	-1.28E-04	2.68E-04	1.99E-04
2.82E+02	-1.26E-04	3.00E-04	1.15E-04
2.82E+02	-1.06E-04	3.30E-04	1.07E-04
2.82E+02	-1.31E-04	3.34E-04	1.14E-04
2.82E+02	-1.21E-04	3.34E-04	9.17E-05
2.82E+02	-6.94E-05	3.80E-04	8.95E-05
2.82E+02	-1.22E-05	4.17E-04	-8.77E-06
2.82E+02	2.65E-05	4.34E-04	-1.21E-04
2.82E+02	7.44E-06	4.55E-04	-1.32E-04
2.82E+02	2.10E-06	4.80E-04	-1.20E-04
2.82E+02	-1.79E-05	5.11E-04	-3.97E-05
2.82E+02	-1.20E-04	4.94E-04	4.58E-05
2.82E+02	-2.33E-04	4.55E-04	9.48E-05
2.82E+02	-3.27E-04	4.58E-04	1.86E-04
2.82E+02	-3.90E-04	4.85E-04	2.18E-04
2.82E+02	-4.41E-04	5.41E-04	1.83E-04
2.82E+02	-5.11E-04	6.00E-04	1.41E-04
2.82E+02	-5.30E-04	6.30E-04	9.54E-05
2.82E+02	-5.17E-04	6.40E-04	1.53E-04
2.82E+02	-5.40E-04	5.69E-04	2.73E-04
2.82E+02	-5.57E-04	4.28E-04	3.44E-04
2.82E+02	-5.70E-04	2.84E-04	3.88E-04
2.82E+02	-5.70E-04	1.23E-04	3.48E-04
2.82E+02	-5.48E-04	-5.91E-06	2.34E-04
2.82E+02	-5.50E-04	-6.94E-05	1.44E-04
2.82E+02	-5.20E-04	-7.11E-05	7.25E-05
2.82E+02	-4.71E-04	-1.13E-05	4.69E-05
2.82E+02	-4.89E-04	2.88E-05	2.77E-05

2.82E+02	-5.32E-04	3.59E-05	1.14E-06
2.82E+02	-5.74E-04	5.13E-05	2.63E-05
2.82E+02	-6.12E-04	5.42E-05	2.88E-05
2.82E+02	-6.63E-04	5.28E-05	-2.86E-06
2.82E+02	-7.52E-04	7.71E-05	-7.25E-06
2.82E+02	-7.65E-04	1.32E-04	1.13E-05
2.82E+02	-7.21E-04	2.20E-04	8.01E-05
2.82E+02	-6.91E-04	3.08E-04	1.80E-04
2.82E+02	-6.46E-04	3.43E-04	2.50E-04
2.82E+02	-6.10E-04	3.42E-04	3.16E-04
2.83E+02	-5.42E-04	3.15E-04	3.03E-04
2.83E+02	-4.23E-04	2.58E-04	1.82E-04
2.83E+02	-3.27E-04	2.11E-04	1.36E-04
2.83E+02	-2.14E-04	2.06E-04	1.80E-04
2.83E+02	-8.30E-05	2.49E-04	2.54E-04
2.83E+02	-3.26E-05	3.15E-04	3.15E-04
2.83E+02	-2.90E-05	3.82E-04	2.74E-04
2.83E+02	-1.98E-05	4.43E-04	2.20E-04
2.83E+02	-2.02E-05	4.67E-04	1.65E-04
2.83E+02	-4.23E-05	4.24E-04	6.07E-05
2.83E+02	-1.16E-04	3.22E-04	-1.87E-05
2.83E+02	-1.83E-04	1.93E-04	-1.03E-04
2.83E+02	-2.18E-04	7.48E-05	-1.67E-04
2.83E+02	-3.03E-04	-2.98E-05	-1.82E-04
2.83E+02	-4.08E-04	-1.17E-04	-2.14E-04
2.83E+02	-4.78E-04	-1.40E-04	-1.72E-04
2.83E+02	-5.26E-04	-1.25E-04	-1.07E-04
2.83E+02	-5.40E-04	-1.05E-04	-1.26E-04
2.83E+02	-5.50E-04	-7.29E-05	-1.08E-04
2.83E+02	-5.53E-04	-5.53E-05	-3.09E-05
2.83E+02	-5.01E-04	-2.25E-05	1.18E-04
2.83E+02	-4.72E-04	2.48E-06	2.87E-04
2.83E+02	-4.84E-04	-2.40E-05	3.45E-04
2.83E+02	-4.71E-04	-4.83E-05	3.91E-04
2.83E+02	-4.37E-04	-6.73E-05	4.51E-04
2.83E+02	-3.93E-04	-8.81E-05	4.72E-04
2.83E+02	-3.92E-04	-9.31E-05	5.07E-04
2.83E+02	-4.17E-04	-7.65E-05	5.28E-04
2.83E+02	-4.35E-04	-3.91E-05	5.32E-04
2.83E+02	-5.28E-04	-1.41E-05	5.09E-04
2.83E+02	-6.81E-04	-6.68E-06	3.85E-04
2.83E+02	-8.20E-04	2.52E-05	2.59E-04
2.83E+02	-9.45E-04	7.74E-05	1.65E-04
2.83E+02	-1.02E-03	1.30E-04	3.49E-05
2.83E+02	-1.09E-03	1.96E-04	-4.83E-05
2.83E+02	-1.14E-03	2.69E-04	-7.65E-05
2.83E+02	-1.12E-03	3.54E-04	-8.93E-05

2.83E+02	-1.12E-03	4.08E-04	-1.02E-04
2.83E+02	-1.15E-03	3.67E-04	-1.57E-04
2.83E+02	-1.14E-03	2.86E-04	-1.40E-04
2.83E+02	-1.11E-03	1.96E-04	-1.13E-05
2.83E+02	-1.06E-03	7.29E-05	8.70E-05
2.83E+02	-1.06E-03	-5.05E-05	1.34E-04
2.83E+02	-1.10E-03	-1.58E-04	1.18E-04
2.83E+02	-1.08E-03	-2.24E-04	2.50E-05
2.83E+02	-1.06E-03	-2.36E-04	-8.16E-05
2.83E+02	-1.04E-03	-2.50E-04	-2.27E-04
2.83E+02	-9.74E-04	-2.47E-04	-3.07E-04
2.83E+02	-8.87E-04	-2.13E-04	-2.28E-04
2.83E+02	-7.90E-04	-2.05E-04	-1.18E-04
2.83E+02	-7.34E-04	-1.98E-04	2.56E-05
2.83E+02	-7.27E-04	-1.77E-04	2.15E-04
2.83E+02	-6.94E-04	-1.32E-04	3.76E-04
2.83E+02	-6.82E-04	-6.83E-05	4.82E-04
2.83E+02	-7.27E-04	-3.89E-05	4.65E-04
2.83E+02	-7.54E-04	1.72E-06	3.73E-04
2.83E+02	-7.64E-04	6.64E-05	2.91E-04
2.83E+02	-7.56E-04	1.08E-04	1.97E-04
2.83E+02	-7.57E-04	1.40E-04	1.41E-04
2.83E+02	-7.93E-04	1.54E-04	1.26E-04
2.83E+02	-7.68E-04	1.64E-04	1.02E-04
2.83E+02	-7.21E-04	1.75E-04	1.08E-04
2.83E+02	-7.23E-04	1.54E-04	9.42E-05
2.83E+02	-7.31E-04	1.34E-04	7.13E-05
2.83E+02	-7.39E-04	1.52E-04	1.03E-04
2.83E+02	-7.52E-04	1.77E-04	7.02E-05
2.83E+02	-7.93E-04	2.02E-04	3.43E-06
2.83E+02	-8.67E-04	2.41E-04	1.70E-05
2.83E+02	-9.05E-04	2.82E-04	4.23E-05
2.83E+02	-9.05E-04	3.27E-04	9.63E-05
2.83E+02	-9.05E-04	3.27E-04	8.83E-05
2.83E+02	-8.89E-04	2.66E-04	-1.89E-05
2.83E+02	-8.35E-04	2.16E-04	-6.41E-05
2.83E+02	-7.43E-04	1.80E-04	-1.28E-04
2.83E+02	-6.84E-04	1.57E-04	-1.90E-04
2.83E+02	-6.66E-04	1.55E-04	-1.74E-04
2.83E+02	-6.09E-04	1.57E-04	-1.55E-04
2.83E+02	-5.54E-04	1.56E-04	-7.97E-05
2.83E+02	-5.43E-04	1.00E-04	-3.97E-05
2.83E+02	-5.25E-04	8.01E-06	-7.21E-05
2.83E+02	-4.90E-04	-6.89E-05	-4.25E-05
2.83E+02	-4.32E-04	-1.50E-04	-2.94E-05
2.83E+02	-3.79E-04	-2.24E-04	-6.79E-05
2.83E+02	-3.70E-04	-2.66E-04	-6.58E-05

2.83E+02	-3.43E-04	-2.77E-04	-4.90E-05
2.83E+02	-3.15E-04	-2.54E-04	-4.20E-05
2.83E+02	-3.41E-04	-2.41E-04	-6.89E-05
2.83E+02	-3.90E-04	-2.70E-04	-1.46E-04
2.83E+02	-4.34E-04	-2.67E-04	-1.59E-04
2.83E+02	-4.60E-04	-2.24E-04	-1.12E-04
2.83E+02	-4.91E-04	-1.86E-04	-6.16E-05
2.83E+02	-5.61E-04	-1.42E-04	2.99E-05
2.83E+02	-6.04E-04	-1.12E-04	9.75E-05
2.83E+02	-6.14E-04	-8.49E-05	1.27E-04
2.83E+02	-6.78E-04	-7.32E-05	1.02E-04
2.83E+02	-7.59E-04	-6.89E-05	2.23E-05
2.83E+02	-7.96E-04	-6.87E-06	3.24E-05
2.83E+02	-7.87E-04	7.69E-05	7.95E-05
2.83E+02	-7.26E-04	1.46E-04	1.17E-04
2.83E+02	-6.54E-04	2.02E-04	2.19E-04
2.83E+02	-5.41E-04	2.30E-04	3.13E-04
2.83E+02	-3.77E-04	2.49E-04	3.88E-04
2.83E+02	-2.66E-04	2.47E-04	4.07E-04
2.83E+02	-1.84E-04	2.17E-04	3.24E-04
2.83E+02	-1.14E-04	2.33E-04	2.94E-04
2.83E+02	-8.96E-05	2.84E-04	2.90E-04
2.83E+02	-1.13E-04	3.13E-04	2.39E-04
2.83E+02	-2.37E-04	3.43E-04	2.22E-04
2.83E+02	-3.98E-04	3.57E-04	1.82E-04
2.83E+02	-5.45E-04	3.59E-04	1.49E-04
2.83E+02	-7.35E-04	3.61E-04	1.37E-04
2.83E+02	-9.21E-04	3.23E-04	3.32E-05
2.83E+02	-1.06E-03	2.88E-04	-7.97E-05
2.83E+02	-1.13E-03	2.56E-04	-2.11E-04
2.83E+02	-1.11E-03	1.61E-04	-3.99E-04
2.83E+02	-1.06E-03	3.49E-05	-4.99E-04
2.83E+02	-9.61E-04	-8.14E-05	-4.97E-04
2.83E+02	-7.68E-04	-1.43E-04	-3.78E-04
2.83E+02	-5.91E-04	-1.60E-04	-1.89E-04
2.83E+02	-4.52E-04	-1.83E-04	-8.77E-05
2.83E+02	-3.09E-04	-1.70E-04	1.70E-05
2.83E+02	-2.12E-04	-1.51E-04	1.05E-04
2.83E+02	-1.42E-04	-1.41E-04	9.59E-05
2.83E+02	-1.10E-04	-8.70E-05	1.12E-04
2.83E+02	-1.15E-04	-2.80E-05	1.08E-04
2.83E+02	-8.37E-05	4.94E-05	7.63E-05
2.83E+02	-1.10E-04	1.33E-04	6.85E-05
2.83E+02	-2.18E-04	1.60E-04	2.52E-05
2.83E+02	-3.30E-04	1.63E-04	1.66E-05
2.83E+02	-4.59E-04	1.41E-04	3.51E-05
2.83E+02	-5.71E-04	6.69E-05	-1.60E-05

2.83E+02	-6.80E-04	-2.23E-05	-5.78E-05
2.83E+02	-7.64E-04	-1.01E-04	-6.79E-05
2.83E+02	-7.52E-04	-1.43E-04	-4.48E-05
2.83E+02	-7.16E-04	-1.69E-04	2.59E-05
2.83E+02	-6.55E-04	-2.12E-04	5.47E-05
2.83E+02	-5.49E-04	-2.38E-04	1.15E-04
2.83E+02	-4.29E-04	-2.33E-04	2.21E-04
2.83E+02	-2.85E-04	-2.16E-04	2.38E-04
2.83E+02	-2.05E-04	-1.96E-04	1.92E-04
2.83E+02	-1.69E-04	-1.64E-04	1.37E-04
2.83E+02	-9.80E-05	-8.58E-05	1.13E-04
2.83E+02	-6.68E-05	1.66E-05	1.35E-04
2.83E+02	-9.33E-05	8.72E-05	1.33E-04
2.83E+02	-1.30E-04	1.39E-04	1.36E-04
2.83E+02	-1.70E-04	1.71E-04	1.59E-04
2.83E+02	-1.90E-04	1.47E-04	9.33E-05
2.83E+02	-2.18E-04	8.39E-05	-1.96E-05
2.83E+02	-2.64E-04	2.08E-05	-1.23E-04
2.83E+02	-2.60E-04	-6.68E-06	-1.89E-04
2.83E+02	-2.57E-04	-3.24E-06	-1.78E-04
2.83E+02	-3.00E-04	-1.85E-05	-1.98E-04
2.83E+02	-3.29E-04	-1.77E-05	-1.87E-04
2.83E+02	-3.38E-04	2.65E-05	-7.78E-05
2.83E+02	-3.14E-04	7.40E-05	9.73E-06
2.83E+02	-2.96E-04	1.31E-04	1.25E-04
2.83E+02	-2.90E-04	1.82E-04	2.14E-04
2.83E+02	-2.18E-04	2.27E-04	2.08E-04
2.83E+02	-1.68E-04	2.86E-04	2.00E-04
2.83E+02	-2.01E-04	2.99E-04	1.21E-04
2.83E+02	-2.61E-04	2.90E-04	5.76E-05
2.83E+02	-3.55E-04	3.00E-04	1.09E-04
2.83E+02	-4.72E-04	2.74E-04	1.08E-04
2.83E+02	-6.22E-04	2.30E-04	9.50E-05
2.83E+02	-7.94E-04	2.01E-04	1.08E-04
2.83E+02	-8.78E-04	1.96E-04	8.64E-05
2.83E+02	-8.79E-04	2.08E-04	8.20E-05
2.83E+02	-8.25E-04	1.85E-04	1.96E-05
2.83E+02	-6.75E-04	1.21E-04	-5.34E-05
2.83E+02	-4.48E-04	3.36E-05	-1.34E-06
2.83E+02	-1.88E-04	-1.08E-04	7.13E-05
2.83E+02	4.14E-05	-2.71E-04	1.29E-04
2.83E+02	1.88E-04	-4.27E-04	1.31E-04
2.83E+02	3.08E-04	-5.82E-04	3.70E-05
2.83E+02	3.93E-04	-6.62E-04	-3.76E-05
2.83E+02	3.88E-04	-6.85E-04	-1.19E-04
2.83E+02	3.79E-04	-6.43E-04	-1.63E-04
2.83E+02	3.73E-04	-5.19E-04	-5.19E-05

2.83E+02	3.43E-04	-4.09E-04	6.75E-05
2.83E+02	3.17E-04	-3.25E-04	1.43E-04
2.83E+02	2.36E-04	-2.84E-04	2.10E-04
2.83E+02	1.74E-04	-2.74E-04	2.10E-04
2.83E+02	1.55E-04	-2.44E-04	1.75E-04
2.83E+02	1.13E-04	-2.26E-04	8.24E-05
2.83E+02	1.06E-04	-1.96E-04	-1.95E-05
2.83E+02	1.42E-04	-1.12E-04	2.67E-06
2.83E+02	2.07E-04	-2.27E-05	3.70E-05
2.83E+02	2.60E-04	4.10E-05	3.55E-05
2.83E+02	2.50E-04	5.93E-05	4.88E-05
2.83E+02	2.54E-04	2.38E-05	3.20E-05
2.83E+02	2.75E-04	-1.13E-05	2.69E-05
2.83E+02	2.44E-04	-5.59E-05	-5.91E-06
2.83E+02	2.08E-04	-1.14E-04	-1.22E-04
2.83E+02	1.98E-04	-1.21E-04	-2.14E-04
2.83E+02	1.99E-04	-1.25E-04	-2.98E-04
2.83E+02	2.17E-04	-1.50E-04	-3.92E-04
2.83E+02	2.22E-04	-1.58E-04	-4.17E-04
2.83E+02	2.55E-04	-1.64E-04	-3.93E-04
2.83E+02	3.20E-04	-1.46E-04	-3.07E-04
2.83E+02	3.25E-04	-1.46E-04	-2.09E-04
2.84E+02	2.89E-04	-1.81E-04	-1.68E-04
2.84E+02	2.40E-04	-1.79E-04	-7.36E-05
2.84E+02	1.61E-04	-1.71E-04	3.97E-05
2.84E+02	5.26E-05	-1.84E-04	1.09E-04
2.84E+02	-1.08E-04	-2.05E-04	1.96E-04
2.84E+02	-2.37E-04	-2.47E-04	2.39E-04
2.84E+02	-2.74E-04	-2.80E-04	2.55E-04
2.84E+02	-2.86E-04	-3.23E-04	2.72E-04
2.84E+02	-2.43E-04	-3.88E-04	2.50E-04
2.84E+02	-1.25E-04	-4.14E-04	2.94E-04
2.84E+02	4.31E-05	-4.10E-04	3.61E-04
2.84E+02	2.32E-04	-4.16E-04	3.45E-04
2.84E+02	3.47E-04	-4.30E-04	3.05E-04
2.84E+02	4.08E-04	-4.45E-04	2.35E-04
2.84E+02	4.49E-04	-4.36E-04	1.70E-04
2.84E+02	4.05E-04	-4.24E-04	1.18E-04
2.84E+02	3.20E-04	-4.40E-04	2.90E-05
2.84E+02	2.48E-04	-4.33E-04	5.51E-05
2.84E+02	1.82E-04	-4.05E-04	1.68E-04
2.84E+02	1.40E-04	-3.93E-04	1.89E-04
2.84E+02	8.51E-05	-3.80E-04	1.57E-04
2.84E+02	7.10E-05	-3.56E-04	5.49E-05
2.84E+02	1.75E-04	-2.96E-04	-1.09E-04
2.84E+02	2.88E-04	-2.20E-04	-2.66E-04
2.84E+02	4.07E-04	-1.56E-04	-4.25E-04

2.84E+02	5.68E-04	-4.88E-05	-5.00E-04
2.84E+02	7.20E-04	7.71E-05	-4.86E-04
2.84E+02	8.82E-04	1.69E-04	-4.24E-04
2.84E+02	9.60E-04	2.34E-04	-2.55E-04
2.84E+02	9.57E-04	2.87E-04	-2.67E-05
2.84E+02	9.71E-04	3.67E-04	2.00E-04
2.84E+02	8.77E-04	4.48E-04	3.79E-04
2.84E+02	7.07E-04	4.91E-04	4.32E-04
2.84E+02	5.63E-04	5.37E-04	4.36E-04
2.84E+02	4.27E-04	5.70E-04	4.45E-04
2.84E+02	3.42E-04	5.53E-04	3.99E-04
2.84E+02	2.65E-04	4.94E-04	3.38E-04
2.84E+02	2.04E-04	3.71E-04	2.36E-04
2.84E+02	2.23E-04	2.26E-04	9.04E-05
2.84E+02	2.43E-04	9.06E-05	-3.57E-05
2.84E+02	2.70E-04	-7.04E-05	-1.95E-04
2.84E+02	3.41E-04	-2.05E-04	-3.17E-04
2.84E+02	4.26E-04	-2.98E-04	-3.58E-04
2.84E+02	5.41E-04	-3.72E-04	-4.16E-04
2.84E+02	6.32E-04	-4.26E-04	-4.32E-04
2.84E+02	6.99E-04	-4.80E-04	-3.43E-04
2.84E+02	7.96E-04	-5.25E-04	-2.34E-04
2.84E+02	8.33E-04	-5.99E-04	-1.83E-04
2.84E+02	7.99E-04	-7.10E-04	-2.43E-04
2.84E+02	7.45E-04	-7.72E-04	-3.35E-04
2.84E+02	6.77E-04	-7.46E-04	-3.24E-04
2.84E+02	6.00E-04	-6.41E-04	-2.49E-04
2.84E+02	4.85E-04	-4.71E-04	-1.34E-04
2.84E+02	3.44E-04	-2.65E-04	2.65E-05
2.84E+02	2.35E-04	-5.05E-05	1.69E-04
2.84E+02	1.45E-04	1.38E-04	2.85E-04
2.84E+02	4.63E-05	2.70E-04	3.16E-04
2.84E+02	7.63E-07	3.54E-04	3.31E-04
2.84E+02	2.86E-05	4.12E-04	4.10E-04
2.84E+02	8.32E-05	4.06E-04	3.79E-04
2.84E+02	1.19E-04	3.42E-04	2.88E-04
2.84E+02	1.19E-04	2.83E-04	1.95E-04
2.84E+02	1.35E-04	2.32E-04	2.00E-05
2.84E+02	1.35E-04	1.90E-04	-1.34E-04
2.84E+02	1.07E-04	1.37E-04	-3.27E-04
2.84E+02	1.26E-04	6.33E-05	-5.34E-04
2.84E+02	1.75E-04	6.29E-06	-6.14E-04
2.84E+02	2.50E-04	-7.29E-05	-6.83E-04
2.84E+02	3.01E-04	-1.74E-04	-7.11E-04
2.84E+02	2.89E-04	-2.62E-04	-6.77E-04
2.84E+02	2.96E-04	-3.16E-04	-6.63E-04
2.84E+02	2.88E-04	-3.22E-04	-6.10E-04

2.84E+02	2.14E-04	-3.31E-04	-5.79E-04
2.84E+02	1.33E-04	-3.32E-04	-5.69E-04
2.84E+02	6.08E-05	-2.88E-04	-4.58E-04
2.84E+02	4.96E-06	-2.39E-04	-3.46E-04
2.84E+02	-4.52E-05	-1.99E-04	-2.40E-04
2.84E+02	-1.08E-04	-1.59E-04	-1.04E-04
2.84E+02	-1.08E-04	-1.20E-04	-2.08E-05
2.84E+02	-6.39E-05	-9.04E-05	7.46E-05
2.84E+02	-3.45E-05	-9.88E-05	1.60E-04
2.84E+02	2.35E-05	-1.47E-04	1.76E-04
2.84E+02	9.37E-05	-2.22E-04	1.80E-04
2.84E+02	1.55E-04	-2.95E-04	1.27E-04
2.84E+02	1.89E-04	-3.40E-04	1.13E-05
2.84E+02	1.62E-04	-3.54E-04	-9.25E-05
2.84E+02	1.59E-04	-3.22E-04	-1.69E-04
2.84E+02	1.64E-04	-2.50E-04	-1.86E-04
2.84E+02	9.96E-05	-1.91E-04	-2.10E-04
2.84E+02	2.10E-05	-1.53E-04	-2.56E-04
2.84E+02	-5.19E-05	-9.96E-05	-1.89E-04
2.84E+02	-9.96E-05	-5.74E-05	-1.71E-04
2.84E+02	-1.36E-04	-5.93E-05	-3.21E-04
2.84E+02	-2.10E-04	-4.41E-05	-4.34E-04
2.84E+02	-2.40E-04	-1.72E-06	-4.91E-04
2.84E+02	-2.18E-04	2.48E-05	-5.18E-04
2.84E+02	-2.34E-04	1.85E-05	-5.13E-04
2.84E+02	-2.51E-04	-3.49E-05	-5.11E-04
2.84E+02	-2.52E-04	-8.30E-05	-4.45E-04
2.84E+02	-2.39E-04	-1.07E-04	-3.81E-04
2.84E+02	-2.20E-04	-1.21E-04	-3.49E-04
2.84E+02	-2.39E-04	-1.03E-04	-2.65E-04
2.84E+02	-2.29E-04	-6.96E-05	-1.57E-04
2.84E+02	-1.95E-04	-5.02E-05	-4.20E-05
2.84E+02	-2.11E-04	-7.48E-05	1.74E-05
2.84E+02	-2.26E-04	-1.52E-04	-2.86E-05
2.84E+02	-2.24E-04	-2.43E-04	-6.79E-05
2.84E+02	-2.13E-04	-3.38E-04	-1.27E-04
2.84E+02	-2.04E-04	-4.32E-04	-2.43E-04
2.84E+02	-2.42E-04	-4.92E-04	-3.05E-04
2.84E+02	-2.70E-04	-5.03E-04	-3.29E-04
2.84E+02	-2.60E-04	-4.63E-04	-3.33E-04
2.84E+02	-2.87E-04	-4.35E-04	-3.47E-04
2.84E+02	-3.19E-04	-4.68E-04	-4.22E-04
2.84E+02	-3.16E-04	-5.12E-04	-4.55E-04
2.84E+02	-2.82E-04	-5.66E-04	-4.61E-04
2.84E+02	-1.96E-04	-6.09E-04	-4.56E-04
2.84E+02	-1.26E-04	-6.15E-04	-3.93E-04
2.84E+02	-4.84E-05	-6.08E-04	-3.45E-04

2.84E+02	8.58E-05	-5.64E-04	-2.71E-04
2.84E+02	1.68E-04	-5.17E-04	-1.75E-04
2.84E+02	2.05E-04	-4.85E-04	-1.49E-04
2.84E+02	2.60E-04	-3.91E-04	-8.53E-05
2.84E+02	3.24E-04	-2.45E-04	1.74E-05
2.84E+02	4.00E-04	-9.92E-05	6.33E-05
2.84E+02	4.30E-04	4.50E-05	1.32E-04
2.84E+02	4.36E-04	1.67E-04	1.84E-04
2.84E+02	4.69E-04	2.70E-04	1.79E-04
2.84E+02	4.49E-04	3.39E-04	1.37E-04
2.84E+02	3.85E-04	3.38E-04	-1.53E-05
2.84E+02	3.39E-04	3.19E-04	-1.50E-04
2.84E+02	3.02E-04	3.04E-04	-2.15E-04
2.84E+02	2.79E-04	2.57E-04	-2.90E-04
2.84E+02	2.28E-04	1.94E-04	-2.74E-04
2.84E+02	1.71E-04	1.06E-04	-1.90E-04
2.84E+02	1.83E-04	-7.25E-06	-8.43E-05
2.84E+02	1.98E-04	-1.38E-04	5.17E-05
2.84E+02	1.82E-04	-3.22E-04	7.55E-05
2.84E+02	1.76E-04	-4.93E-04	2.71E-05
2.84E+02	1.92E-04	-6.05E-04	-1.83E-05
2.84E+02	2.28E-04	-7.09E-04	-1.34E-04
2.84E+02	2.30E-04	-7.59E-04	-1.83E-04
2.84E+02	2.12E-04	-7.50E-04	-1.35E-04
2.84E+02	2.20E-04	-7.18E-04	-8.22E-05
2.84E+02	1.97E-04	-6.63E-04	-2.77E-05
2.84E+02	1.49E-04	-6.40E-04	-7.59E-05
2.84E+02	1.23E-04	-6.10E-04	-1.30E-04
2.84E+02	1.13E-04	-5.36E-04	-1.16E-04
2.84E+02	1.18E-04	-4.71E-04	-1.60E-04
2.84E+02	7.11E-05	-3.93E-04	-1.83E-04
2.84E+02	-1.81E-05	-3.05E-04	-1.50E-04
2.84E+02	-5.74E-05	-2.31E-04	-8.58E-05
2.84E+02	-1.10E-04	-1.71E-04	1.62E-05
2.84E+02	-1.97E-04	-1.74E-04	1.60E-05
2.84E+02	-2.33E-04	-1.73E-04	-1.62E-05
2.84E+02	-2.29E-04	-1.11E-04	2.59E-05
2.84E+02	-1.88E-04	-2.71E-05	3.81E-07
2.84E+02	-1.50E-04	1.15E-04	-3.97E-05
2.84E+02	-1.58E-04	2.86E-04	-5.32E-05
2.84E+02	-1.40E-04	4.64E-04	-8.01E-05
2.84E+02	-1.39E-04	6.26E-04	-6.94E-05
2.84E+02	-1.86E-04	6.77E-04	-8.58E-05
2.84E+02	-1.92E-04	6.48E-04	-7.86E-05
2.84E+02	-1.68E-04	5.75E-04	1.26E-05
2.84E+02	-1.26E-04	4.55E-04	8.39E-05
2.84E+02	-9.10E-05	3.19E-04	1.25E-04

2.84E+02	-1.01E-04	1.80E-04	1.30E-04
2.84E+02	-6.68E-05	6.69E-05	8.49E-05
2.84E+02	-1.70E-05	-2.77E-05	2.61E-05
2.84E+02	-1.20E-05	-1.46E-04	-1.11E-04
2.84E+02	2.17E-05	-2.71E-04	-2.63E-04
2.84E+02	1.03E-04	-3.63E-04	-2.66E-04
2.84E+02	2.26E-04	-4.42E-04	-2.12E-04
2.84E+02	3.52E-04	-5.20E-04	-1.39E-04
2.84E+02	4.30E-04	-5.66E-04	-4.39E-06
2.84E+02	5.13E-04	-5.59E-04	1.16E-04
2.84E+02	5.79E-04	-5.07E-04	2.18E-04
2.84E+02	5.71E-04	-4.58E-04	2.29E-04
2.84E+02	5.37E-04	-4.12E-04	1.85E-04
2.84E+02	5.03E-04	-3.17E-04	2.43E-04
2.84E+02	4.66E-04	-2.25E-04	3.11E-04
2.84E+02	3.92E-04	-1.82E-04	3.75E-04
2.84E+02	2.71E-04	-1.76E-04	4.65E-04
2.84E+02	1.98E-04	-2.20E-04	4.93E-04
2.84E+02	1.63E-04	-2.93E-04	4.97E-04
2.84E+02	1.04E-04	-3.88E-04	4.45E-04
2.84E+02	6.33E-05	-4.57E-04	3.31E-04
2.84E+02	4.83E-05	-4.13E-04	2.53E-04
2.84E+02	3.53E-05	-3.36E-04	9.48E-05
2.84E+02	1.77E-05	-2.53E-04	-1.19E-04
2.84E+02	-4.14E-05	-1.57E-04	-2.15E-04
2.84E+02	-1.09E-04	-1.06E-04	-2.33E-04
2.84E+02	-1.50E-04	-6.94E-05	-1.85E-04
2.84E+02	-2.20E-04	-7.97E-05	-1.48E-04
2.84E+02	-2.87E-04	-1.46E-04	-1.65E-04
2.84E+02	-3.00E-04	-1.83E-04	-9.94E-05
2.84E+02	-2.71E-04	-1.97E-04	-3.81E-07
2.84E+02	-2.17E-04	-1.82E-04	6.24E-05
2.84E+02	-1.70E-04	-1.30E-04	9.10E-05
2.84E+02	-7.99E-05	-5.97E-05	7.80E-05
2.85E+02	6.08E-05	3.22E-05	1.29E-04
2.85E+02	1.59E-04	8.70E-05	2.04E-04
2.85E+02	2.28E-04	7.04E-05	2.31E-04
2.85E+02	2.73E-04	3.55E-05	3.27E-04
2.85E+02	2.83E-04	-1.20E-05	4.23E-04
2.85E+02	2.83E-04	-7.48E-05	4.31E-04
2.85E+02	2.15E-04	-1.10E-04	4.15E-04
2.85E+02	1.56E-04	-9.04E-05	3.62E-04
2.85E+02	1.63E-04	-4.96E-06	3.22E-04
2.85E+02	1.36E-04	7.90E-05	3.00E-04
2.85E+02	1.23E-04	9.65E-05	2.35E-04
2.85E+02	1.44E-04	8.95E-05	2.12E-04
2.85E+02	1.73E-04	4.79E-05	1.84E-04

2.85E+02	2.14E-04	-5.13E-05	8.35E-05
2.85E+02	2.13E-04	-1.51E-04	1.70E-05
2.85E+02	2.36E-04	-2.15E-04	-1.34E-05
2.85E+02	3.18E-04	-1.99E-04	-1.79E-05
2.85E+02	3.78E-04	-1.08E-04	1.87E-05
2.85E+02	4.29E-04	5.53E-06	2.78E-05
2.85E+02	4.95E-04	1.40E-04	7.25E-05
2.85E+02	5.57E-04	2.45E-04	1.22E-04
2.85E+02	5.95E-04	2.72E-04	5.53E-05
2.85E+02	5.75E-04	2.31E-04	-4.48E-05
2.85E+02	5.35E-04	1.38E-04	-1.25E-04
2.85E+02	5.26E-04	4.18E-05	-1.46E-04
2.85E+02	4.93E-04	-6.50E-05	-1.12E-04
2.85E+02	4.43E-04	-2.01E-04	-9.08E-05
2.85E+02	4.43E-04	-3.15E-04	5.34E-06
2.85E+02	4.64E-04	-4.28E-04	1.30E-04
2.85E+02	4.77E-04	-5.92E-04	1.59E-04
2.85E+02	4.55E-04	-7.79E-04	1.46E-04
2.85E+02	4.21E-04	-9.59E-04	1.05E-04
2.85E+02	4.27E-04	-1.08E-03	1.02E-04
2.85E+02	4.00E-04	-1.13E-03	1.77E-04
2.85E+02	3.19E-04	-1.12E-03	2.21E-04
2.85E+02	2.47E-04	-1.02E-03	2.91E-04
2.85E+02	2.06E-04	-8.41E-04	4.08E-04
2.85E+02	2.20E-04	-6.64E-04	4.30E-04
2.85E+02	2.42E-04	-4.99E-04	4.06E-04
2.85E+02	2.82E-04	-3.37E-04	3.60E-04
2.85E+02	3.97E-04	-1.52E-04	2.60E-04
2.85E+02	5.03E-04	2.35E-05	1.68E-04
2.85E+02	5.74E-04	1.40E-04	3.66E-05
2.85E+02	6.44E-04	2.37E-04	-7.65E-05
2.85E+02	7.02E-04	3.23E-04	-7.50E-05
2.85E+02	7.51E-04	3.79E-04	-6.24E-05
2.85E+02	7.42E-04	4.16E-04	-4.04E-05
2.85E+02	6.90E-04	4.35E-04	-2.06E-05
2.85E+02	6.60E-04	4.72E-04	-5.86E-05
2.85E+02	6.02E-04	5.12E-04	-9.31E-05
2.85E+02	4.86E-04	5.08E-04	-1.28E-04
2.85E+02	3.88E-04	5.08E-04	-1.02E-04
2.85E+02	3.20E-04	4.92E-04	4.58E-06
2.85E+02	2.79E-04	4.24E-04	1.05E-04
2.85E+02	2.66E-04	3.30E-04	2.20E-04
2.85E+02	2.46E-04	2.01E-04	3.16E-04
2.85E+02	2.83E-04	1.05E-04	4.01E-04
2.85E+02	3.41E-04	7.36E-05	4.80E-04
2.85E+02	3.52E-04	5.32E-05	4.52E-04
2.85E+02	3.62E-04	8.18E-05	3.85E-04

2.85E+02	3.71E-04	1.55E-04	3.30E-04
2.85E+02	3.76E-04	2.09E-04	2.15E-04
2.85E+02	3.57E-04	2.37E-04	1.27E-04
2.85E+02	3.15E-04	2.13E-04	9.80E-05
2.85E+02	3.31E-04	1.48E-04	9.40E-05
2.85E+02	3.69E-04	7.15E-05	1.33E-04
2.85E+02	3.75E-04	-3.13E-05	9.63E-05
2.85E+02	3.86E-04	-1.08E-04	1.14E-05
2.85E+02	4.01E-04	-1.16E-04	-4.16E-05
2.85E+02	4.08E-04	-1.05E-04	-1.69E-04
2.85E+02	3.83E-04	-8.83E-05	-2.55E-04
2.85E+02	3.28E-04	-6.85E-05	-2.00E-04
2.85E+02	3.13E-04	-7.38E-05	-1.12E-04
2.85E+02	3.15E-04	-1.05E-04	2.04E-05
2.85E+02	2.94E-04	-1.79E-04	1.09E-04
2.85E+02	3.09E-04	-2.77E-04	1.07E-04
2.85E+02	3.89E-04	-3.15E-04	1.73E-04
2.85E+02	5.11E-04	-3.01E-04	2.36E-04
2.85E+02	6.26E-04	-2.32E-04	2.41E-04
2.85E+02	6.96E-04	-7.80E-05	2.68E-04
2.85E+02	7.73E-04	1.15E-04	2.59E-04
2.85E+02	8.42E-04	3.20E-04	2.50E-04
2.85E+02	8.24E-04	4.64E-04	2.23E-04
2.85E+02	7.76E-04	5.28E-04	1.61E-04
2.85E+02	7.34E-04	5.67E-04	1.85E-04
2.85E+02	6.90E-04	5.73E-04	2.10E-04
2.85E+02	6.56E-04	5.72E-04	1.91E-04
2.85E+02	6.06E-04	5.94E-04	2.06E-04
2.85E+02	5.88E-04	6.44E-04	2.11E-04
2.85E+02	5.92E-04	6.93E-04	1.99E-04
2.85E+02	5.21E-04	6.50E-04	1.53E-04
2.85E+02	4.38E-04	5.21E-04	6.68E-05
2.85E+02	3.88E-04	3.72E-04	1.66E-05
2.85E+02	3.42E-04	2.08E-04	-3.45E-05
2.85E+02	3.06E-04	6.83E-05	-9.63E-05
2.85E+02	2.51E-04	-2.67E-05	-1.23E-04
2.85E+02	2.35E-04	-8.32E-05	-1.36E-04
2.85E+02	2.57E-04	-9.16E-05	-1.18E-04
2.85E+02	2.37E-04	-1.10E-04	-1.36E-04
2.85E+02	2.12E-04	-1.39E-04	-2.08E-04
2.85E+02	2.07E-04	-1.26E-04	-2.25E-04
2.85E+02	2.36E-04	-9.67E-05	-2.53E-04
2.85E+02	2.88E-04	-3.87E-05	-3.10E-04
2.85E+02	3.20E-04	5.76E-05	-3.08E-04
2.85E+02	4.06E-04	1.90E-04	-2.28E-04
2.85E+02	5.44E-04	3.73E-04	-2.42E-05
2.85E+02	6.46E-04	5.23E-04	1.72E-04

2.85E+02	7.42E-04	5.89E-04	2.76E-04
2.85E+02	8.22E-04	6.18E-04	4.01E-04
2.85E+02	8.79E-04	6.00E-04	4.38E-04
2.85E+02	8.78E-04	5.15E-04	3.25E-04
2.85E+02	7.85E-04	4.28E-04	1.87E-04
2.85E+02	7.10E-04	3.74E-04	6.68E-05
2.85E+02	6.50E-04	3.47E-04	1.98E-05
2.85E+02	5.30E-04	3.24E-04	1.89E-05
2.85E+02	4.10E-04	2.66E-04	-4.67E-05
2.85E+02	3.23E-04	2.13E-04	-1.14E-04
2.85E+02	2.73E-04	1.95E-04	-1.79E-04
2.85E+02	2.67E-04	1.73E-04	-2.95E-04
2.85E+02	2.54E-04	1.78E-04	-3.87E-04
2.85E+02	2.69E-04	2.42E-04	-4.18E-04
2.85E+02	3.40E-04	3.59E-04	-3.73E-04
2.85E+02	3.77E-04	4.73E-04	-2.94E-04
2.85E+02	3.97E-04	5.31E-04	-2.70E-04
2.85E+02	4.47E-04	5.73E-04	-2.24E-04
2.85E+02	4.99E-04	6.14E-04	-1.57E-04
2.85E+02	5.52E-04	6.41E-04	-1.50E-04
2.85E+02	5.62E-04	6.54E-04	-1.79E-04
2.85E+02	5.63E-04	6.57E-04	-2.32E-04
2.85E+02	6.10E-04	6.82E-04	-2.51E-04
2.85E+02	5.86E-04	6.69E-04	-2.34E-04
2.85E+02	4.98E-04	5.92E-04	-2.40E-04
2.85E+02	4.22E-04	5.12E-04	-1.84E-04
2.85E+02	3.28E-04	4.23E-04	-1.01E-04
2.85E+02	2.38E-04	3.14E-04	-4.75E-05
2.85E+02	1.17E-04	1.91E-04	4.98E-05
2.85E+02	-4.58E-06	7.50E-05	1.57E-04
2.85E+02	-4.27E-05	3.24E-06	2.71E-04
2.85E+02	-5.65E-05	-3.76E-05	3.75E-04
2.85E+02	-3.91E-05	-4.79E-05	4.14E-04
2.85E+02	6.10E-05	8.58E-06	4.65E-04
2.85E+02	2.20E-04	1.11E-04	4.88E-04
2.85E+02	3.99E-04	2.26E-04	4.01E-04
2.85E+02	5.35E-04	3.43E-04	2.67E-04
2.85E+02	6.40E-04	4.45E-04	6.07E-05
2.85E+02	7.37E-04	5.44E-04	-2.05E-04
2.85E+02	7.51E-04	6.42E-04	-4.23E-04
2.85E+02	6.83E-04	7.20E-04	-6.27E-04
2.85E+02	5.87E-04	7.93E-04	-7.43E-04
2.85E+02	4.89E-04	8.81E-04	-7.14E-04
2.85E+02	3.98E-04	9.37E-04	-6.89E-04
2.85E+02	2.97E-04	9.70E-04	-6.19E-04
2.85E+02	2.29E-04	9.83E-04	-4.84E-04
2.85E+02	2.33E-04	9.61E-04	-3.55E-04

2.85E+02	2.55E-04	9.18E-04	-2.07E-04
2.85E+02	2.79E-04	8.11E-04	-1.35E-04
2.85E+02	3.29E-04	6.72E-04	-7.27E-05
2.85E+02	3.77E-04	5.43E-04	5.95E-05
2.85E+02	3.93E-04	3.85E-04	1.29E-04
2.85E+02	3.38E-04	2.06E-04	1.50E-04
2.85E+02	2.32E-04	1.72E-05	1.56E-04
2.85E+02	1.58E-04	-1.57E-04	1.62E-04
2.85E+02	6.66E-05	-3.05E-04	2.15E-04
2.85E+02	-8.24E-05	-4.34E-04	2.34E-04
2.85E+02	-2.00E-04	-4.82E-04	2.22E-04
2.85E+02	-2.80E-04	-4.29E-04	2.06E-04
2.85E+02	-3.02E-04	-3.21E-04	1.33E-04
2.85E+02	-2.81E-04	-1.97E-04	5.28E-05
2.85E+02	-2.56E-04	-6.68E-05	-2.57E-05
2.85E+02	-1.33E-04	8.93E-05	-1.29E-04
2.85E+02	1.93E-05	2.35E-04	-2.51E-04
2.85E+02	1.44E-04	3.32E-04	-3.99E-04
2.85E+02	3.20E-04	4.12E-04	-4.60E-04
2.85E+02	5.18E-04	5.02E-04	-3.59E-04
2.85E+02	7.15E-04	5.84E-04	-2.22E-04
2.85E+02	8.79E-04	6.47E-04	-1.27E-04
2.85E+02	9.83E-04	6.98E-04	-1.13E-04
2.85E+02	1.08E-03	7.51E-04	-2.08E-04
2.85E+02	1.14E-03	8.17E-04	-3.26E-04
2.85E+02	1.09E-03	8.58E-04	-4.43E-04
2.85E+02	9.68E-04	8.58E-04	-5.04E-04
2.85E+02	7.76E-04	8.36E-04	-4.51E-04
2.85E+02	5.35E-04	7.64E-04	-3.82E-04
2.85E+02	2.52E-04	6.47E-04	-3.06E-04
2.85E+02	-3.97E-05	5.05E-04	-1.79E-04
2.85E+02	-2.45E-04	3.77E-04	-2.86E-05
2.85E+02	-3.70E-04	2.99E-04	1.14E-04
2.85E+02	-4.48E-04	2.40E-04	1.72E-04
2.85E+02	-4.45E-04	2.47E-04	2.14E-04
2.85E+02	-3.75E-04	3.15E-04	3.12E-04
2.85E+02	-2.70E-04	3.53E-04	3.49E-04
2.85E+02	-1.79E-04	3.57E-04	3.11E-04
2.85E+02	-1.26E-04	2.96E-04	2.29E-04
2.85E+02	-2.63E-05	2.00E-04	1.13E-04
2.85E+02	9.90E-05	1.35E-04	3.07E-05
2.85E+02	1.70E-04	7.78E-05	-7.95E-05
2.85E+02	2.19E-04	7.40E-05	-2.09E-04
2.85E+02	2.58E-04	1.58E-04	-2.62E-04
2.85E+02	2.82E-04	2.81E-04	-3.65E-04
2.85E+02	2.81E-04	4.37E-04	-5.31E-04
2.86E+02	2.40E-04	6.08E-04	-6.36E-04

2.86E+02	2.47E-04	7.79E-04	-7.01E-04
2.86E+02	2.86E-04	9.49E-04	-6.80E-04
2.86E+02	2.84E-04	1.04E-03	-6.08E-04
2.86E+02	2.97E-04	1.04E-03	-5.22E-04
2.86E+02	3.26E-04	9.92E-04	-2.87E-04
2.86E+02	3.46E-04	8.71E-04	-8.58E-06
2.86E+02	3.32E-04	6.90E-04	1.92E-04
2.86E+02	2.53E-04	4.79E-04	3.42E-04
2.86E+02	2.04E-04	2.79E-04	3.73E-04
2.86E+02	1.88E-04	1.50E-04	3.34E-04
2.86E+02	1.25E-04	8.03E-05	2.75E-04
2.86E+02	6.05E-05	5.40E-05	1.98E-04
2.86E+02	2.21E-05	9.10E-05	2.03E-04
2.86E+02	-4.01E-06	1.39E-04	2.31E-04
2.86E+02	-1.13E-05	1.50E-04	2.35E-04
2.86E+02	-3.53E-05	1.36E-04	2.94E-04
2.86E+02	-1.54E-05	1.13E-04	3.51E-04
2.86E+02	8.41E-05	1.18E-04	3.55E-04
2.86E+02	1.78E-04	1.35E-04	2.74E-04
2.86E+02	2.87E-04	1.42E-04	8.75E-05
2.86E+02	4.19E-04	1.82E-04	-8.22E-05
2.86E+02	5.33E-04	2.47E-04	-1.96E-04
2.86E+02	5.94E-04	2.74E-04	-3.07E-04
2.86E+02	5.48E-04	2.61E-04	-3.59E-04
2.86E+02	4.54E-04	2.15E-04	-3.66E-04
2.86E+02	3.38E-04	1.27E-04	-3.81E-04
2.86E+02	1.70E-04	5.15E-06	-3.97E-04
2.86E+02	1.72E-06	-1.22E-04	-4.10E-04
2.86E+02	-1.34E-04	-1.85E-04	-3.14E-04
2.86E+02	-2.04E-04	-1.92E-04	-1.61E-04
2.86E+02	-2.02E-04	-1.65E-04	-7.53E-05
2.86E+02	-1.95E-04	-9.48E-05	1.37E-05
2.86E+02	-1.43E-04	-1.53E-06	9.08E-05
2.86E+02	-1.87E-05	1.25E-04	1.43E-04
2.86E+02	7.55E-05	2.42E-04	1.38E-04
2.86E+02	1.34E-04	3.36E-04	1.72E-05
2.86E+02	1.97E-04	4.56E-04	-8.11E-05
2.86E+02	2.33E-04	5.67E-04	-1.57E-04
2.86E+02	2.26E-04	6.49E-04	-2.35E-04
2.86E+02	1.63E-04	7.11E-04	-2.36E-04
2.86E+02	8.01E-05	7.11E-04	-2.30E-04
2.86E+02	2.78E-05	6.67E-04	-1.91E-04
2.86E+02	-4.41E-05	5.90E-04	-1.49E-04
2.86E+02	-1.20E-04	4.60E-04	-2.29E-04
2.86E+02	-1.52E-04	3.39E-04	-3.12E-04
2.86E+02	-1.52E-04	2.31E-04	-3.70E-04
2.86E+02	-1.17E-04	1.34E-04	-4.41E-04

2.86E+02	-9.65E-05	5.66E-05	-4.54E-04
2.86E+02	-6.85E-05	-1.66E-05	-3.99E-04
2.86E+02	5.53E-06	-4.86E-05	-2.60E-04
2.86E+02	3.45E-05	-1.07E-04	-1.13E-04
2.86E+02	2.50E-05	-2.44E-04	-7.50E-05
2.86E+02	1.13E-05	-3.79E-04	-4.56E-05
2.86E+02	-1.45E-05	-4.90E-04	1.79E-05
2.86E+02	-3.07E-05	-5.58E-04	4.20E-05
2.86E+02	-9.06E-05	-5.54E-04	6.58E-05
2.86E+02	-1.55E-04	-4.93E-04	9.06E-05
2.86E+02	-1.46E-04	-3.56E-04	1.14E-04
2.86E+02	-1.46E-04	-1.68E-04	1.50E-04
2.86E+02	-1.37E-04	8.96E-06	1.42E-04
2.86E+02	-6.81E-05	1.85E-04	1.64E-04
2.86E+02	2.23E-05	3.35E-04	1.99E-04
2.86E+02	1.42E-04	4.02E-04	1.29E-04
2.86E+02	2.18E-04	4.05E-04	6.08E-05
2.86E+02	2.48E-04	3.77E-04	3.36E-05
2.86E+02	3.11E-04	3.57E-04	2.40E-05
2.86E+02	3.27E-04	3.41E-04	2.61E-05
2.86E+02	3.02E-04	2.73E-04	-6.56E-05
2.86E+02	2.96E-04	1.89E-04	-1.69E-04
2.86E+02	2.77E-04	1.24E-04	-1.77E-04
2.86E+02	2.59E-04	6.28E-05	-1.67E-04
2.86E+02	1.82E-04	3.97E-05	-1.27E-04
2.86E+02	4.84E-05	5.17E-05	-7.13E-05
2.86E+02	-3.62E-05	1.06E-04	-4.23E-05
2.86E+02	-1.29E-04	2.05E-04	2.42E-05
2.86E+02	-2.41E-04	2.59E-04	6.08E-05
2.86E+02	-3.11E-04	2.66E-04	9.10E-05
2.86E+02	-3.45E-04	2.65E-04	1.86E-04
2.86E+02	-3.20E-04	2.19E-04	1.86E-04
2.86E+02	-2.87E-04	1.56E-04	1.26E-04
2.86E+02	-2.78E-04	1.11E-04	9.57E-05
2.86E+02	-2.25E-04	8.72E-05	2.33E-05
2.86E+02	-1.81E-04	8.24E-05	-7.42E-05
2.86E+02	-2.23E-04	4.20E-05	-2.45E-04
2.86E+02	-2.66E-04	4.01E-06	-4.14E-04
2.86E+02	-2.91E-04	1.18E-05	-4.52E-04
2.86E+02	-3.31E-04	1.34E-05	-4.16E-04
2.86E+02	-3.79E-04	1.37E-05	-2.80E-04
2.86E+02	-4.43E-04	1.01E-05	-5.76E-05
2.86E+02	-4.50E-04	1.03E-05	1.59E-04
2.86E+02	-4.04E-04	3.01E-05	3.30E-04
2.86E+02	-3.58E-04	2.14E-05	3.58E-04
2.86E+02	-2.72E-04	-5.34E-06	2.89E-04
2.86E+02	-1.58E-04	-1.26E-05	2.72E-04

2.86E+02	-2.50E-05	-2.50E-05	2.50E-04
2.86E+02	8.41E-05	-5.11E-05	2.12E-04
2.86E+02	1.21E-04	-7.74E-05	2.00E-04
2.86E+02	1.62E-04	-9.63E-05	1.89E-04
2.86E+02	1.73E-04	-1.13E-04	1.98E-04
2.86E+02	8.98E-05	-1.60E-04	1.29E-04
2.86E+02	-3.43E-06	-2.01E-04	-4.01E-06
2.86E+02	-1.11E-04	-2.04E-04	-1.20E-04
2.86E+02	-2.13E-04	-1.77E-04	-2.84E-04
2.86E+02	-2.85E-04	-1.12E-04	-4.16E-04
2.86E+02	-3.86E-04	-3.87E-05	-4.69E-04
2.86E+02	-4.14E-04	4.58E-05	-4.81E-04
2.86E+02	-3.76E-04	1.50E-04	-4.15E-04
2.86E+02	-3.68E-04	2.24E-04	-3.54E-04
2.86E+02	-3.25E-04	2.88E-04	-3.17E-04
2.86E+02	-2.72E-04	3.52E-04	-2.11E-04
2.86E+02	-2.18E-04	3.61E-04	-1.10E-04
2.86E+02	-1.64E-04	2.97E-04	-2.38E-05
2.86E+02	-1.85E-04	1.54E-04	1.16E-04
2.86E+02	-2.02E-04	-3.83E-05	2.52E-04
2.86E+02	-2.07E-04	-2.47E-04	3.82E-04
2.86E+02	-2.62E-04	-4.79E-04	4.40E-04
2.86E+02	-3.16E-04	-6.90E-04	3.75E-04
2.86E+02	-3.48E-04	-8.15E-04	3.13E-04
2.86E+02	-3.68E-04	-8.59E-04	2.15E-04
2.86E+02	-4.06E-04	-8.44E-04	8.39E-05
2.86E+02	-5.09E-04	-8.06E-04	2.98E-05
2.86E+02	-6.17E-04	-7.73E-04	-5.34E-06
2.86E+02	-7.16E-04	-7.43E-04	-8.96E-06
2.86E+02	-8.67E-04	-7.27E-04	1.09E-05
2.86E+02	-1.01E-03	-7.03E-04	1.81E-05
2.86E+02	-1.11E-03	-6.28E-04	1.25E-04
2.86E+02	-1.16E-03	-5.33E-04	2.36E-04
2.86E+02	-1.14E-03	-4.34E-04	2.61E-04
2.86E+02	-1.09E-03	-3.03E-04	2.94E-04
2.86E+02	-9.94E-04	-1.35E-04	2.96E-04
2.86E+02	-8.12E-04	7.90E-05	3.02E-04
2.86E+02	-6.19E-04	2.73E-04	2.95E-04
2.86E+02	-4.50E-04	3.89E-04	1.88E-04
2.86E+02	-2.76E-04	4.56E-04	1.18E-04
2.86E+02	-1.30E-04	4.44E-04	5.97E-05
2.86E+02	-5.05E-05	3.48E-04	-4.67E-05
2.86E+02	-7.46E-05	2.03E-04	-1.20E-04
2.86E+02	-1.52E-04	3.64E-05	-1.75E-04
2.86E+02	-2.33E-04	-7.67E-05	-1.32E-04
2.86E+02	-3.73E-04	-1.35E-04	-5.72E-06
2.86E+02	-5.43E-04	-1.61E-04	8.85E-05

2.86E+02	-7.04E-04	-1.14E-04	2.12E-04
2.86E+02	-8.40E-04	-4.46E-05	2.96E-04
2.86E+02	-9.30E-04	-2.73E-05	2.62E-04
2.86E+02	-1.03E-03	-5.95E-05	2.39E-04
2.86E+02	-1.08E-03	-1.08E-04	2.74E-04
2.86E+02	-1.02E-03	-1.73E-04	3.58E-04
2.86E+02	-9.52E-04	-2.92E-04	4.53E-04
2.86E+02	-8.52E-04	-4.40E-04	4.79E-04
2.86E+02	-7.00E-04	-5.88E-04	4.98E-04
2.86E+02	-5.32E-04	-7.25E-04	5.09E-04
2.86E+02	-3.55E-04	-8.35E-04	4.40E-04
2.86E+02	-2.52E-04	-9.16E-04	3.36E-04
2.86E+02	-1.93E-04	-9.56E-04	1.90E-04
2.86E+02	-1.12E-04	-9.34E-04	5.63E-05
2.86E+02	-9.92E-05	-8.81E-04	-9.54E-07
2.86E+02	-1.66E-04	-8.41E-04	-6.56E-05
2.86E+02	-2.66E-04	-7.76E-04	-6.45E-05
2.86E+02	-3.79E-04	-6.81E-04	1.93E-05
2.86E+02	-4.71E-04	-6.02E-04	4.01E-05
2.86E+02	-5.72E-04	-5.22E-04	7.29E-05
2.86E+02	-6.52E-04	-4.13E-04	1.48E-04
2.86E+02	-6.54E-04	-2.60E-04	2.28E-04
2.86E+02	-6.58E-04	-1.10E-04	3.27E-04
2.86E+02	-6.91E-04	-1.18E-05	3.76E-04
2.86E+02	-7.09E-04	5.74E-05	4.33E-04
2.86E+02	-7.33E-04	9.16E-05	5.46E-04
2.86E+02	-7.66E-04	9.56E-05	6.16E-04
2.86E+02	-8.48E-04	4.63E-05	6.17E-04
2.86E+02	-9.81E-04	-2.33E-05	5.49E-04
2.86E+02	-1.06E-03	-3.38E-05	4.47E-04
2.86E+02	-1.10E-03	-2.96E-05	3.51E-04
2.86E+02	-1.13E-03	-2.44E-05	2.59E-04
2.86E+02	-1.13E-03	3.62E-06	2.19E-04
2.86E+02	-1.08E-03	4.56E-05	2.50E-04
2.86E+02	-9.67E-04	8.05E-05	2.15E-04
2.86E+02	-8.50E-04	8.13E-05	9.08E-05
2.86E+02	-7.47E-04	7.61E-05	-7.82E-06
2.86E+02	-5.94E-04	8.58E-05	-6.20E-05
2.86E+02	-4.58E-04	7.92E-05	-7.46E-05
2.86E+02	-4.10E-04	-7.82E-06	-1.02E-04
2.86E+02	-4.18E-04	-1.50E-04	-1.00E-04
2.86E+02	-4.93E-04	-2.80E-04	6.68E-06
2.86E+02	-6.29E-04	-4.08E-04	9.02E-05
2.86E+02	-8.22E-04	-5.00E-04	1.49E-04
2.86E+02	-1.09E-03	-5.44E-04	2.13E-04
2.86E+02	-1.29E-03	-5.45E-04	2.71E-04
2.86E+02	-1.42E-03	-4.69E-04	4.10E-04

2.86E+02	-1.51E-03	-3.81E-04	5.42E-04
2.86E+02	-1.52E-03	-3.12E-04	6.49E-04
2.86E+02	-1.45E-03	-2.47E-04	7.99E-04
2.86E+02	-1.30E-03	-2.43E-04	8.53E-04
2.86E+02	-1.12E-03	-3.03E-04	8.21E-04
2.86E+02	-9.86E-04	-3.71E-04	7.71E-04
2.86E+02	-8.18E-04	-4.11E-04	6.82E-04
2.86E+02	-6.59E-04	-3.87E-04	6.26E-04
2.86E+02	-5.68E-04	-3.28E-04	5.42E-04
2.86E+02	-5.16E-04	-2.82E-04	3.77E-04
2.86E+02	-5.01E-04	-2.15E-04	2.62E-04
2.87E+02	-5.03E-04	-1.28E-04	1.71E-04
2.87E+02	-5.40E-04	-7.53E-05	7.15E-05
2.87E+02	-6.46E-04	-5.82E-05	6.87E-06
2.87E+02	-7.40E-04	-5.42E-05	-7.10E-05
2.87E+02	-7.93E-04	-5.61E-05	-9.71E-05
2.87E+02	-8.86E-04	-8.54E-05	-5.21E-05
2.87E+02	-9.78E-04	-1.52E-04	-9.35E-06
2.87E+02	-1.05E-03	-2.25E-04	9.90E-05
2.87E+02	-1.08E-03	-2.91E-04	1.89E-04
2.87E+02	-1.07E-03	-3.56E-04	1.77E-04
2.87E+02	-1.07E-03	-3.93E-04	1.63E-04
2.87E+02	-1.03E-03	-3.79E-04	1.67E-04
2.87E+02	-9.37E-04	-3.09E-04	2.56E-04
2.87E+02	-9.03E-04	-2.40E-04	3.86E-04
2.87E+02	-8.86E-04	-2.12E-04	4.57E-04
2.87E+02	-8.61E-04	-1.96E-04	5.87E-04
2.87E+02	-8.14E-04	-2.09E-04	7.09E-04
2.87E+02	-7.48E-04	-2.41E-04	7.07E-04
2.87E+02	-7.33E-04	-2.59E-04	6.33E-04
2.87E+02	-7.00E-04	-2.47E-04	4.68E-04
2.87E+02	-6.21E-04	-1.75E-04	2.77E-04
2.87E+02	-5.93E-04	-9.25E-05	1.04E-04
2.87E+02	-6.16E-04	-3.15E-05	-1.12E-04
2.87E+02	-6.82E-04	1.54E-05	-2.66E-04
2.87E+02	-7.84E-04	2.90E-05	-3.44E-04
2.87E+02	-9.04E-04	5.72E-06	-4.37E-04
2.87E+02	-1.09E-03	-4.18E-05	-4.46E-04
2.87E+02	-1.26E-03	-7.27E-05	-3.80E-04
2.87E+02	-1.33E-03	-5.57E-05	-2.81E-04
2.87E+02	-1.40E-03	-3.24E-05	-1.18E-04
2.87E+02	-1.44E-03	-4.12E-05	1.41E-05
2.87E+02	-1.40E-03	-5.23E-05	1.52E-04
2.87E+02	-1.30E-03	-7.63E-05	3.16E-04
2.87E+02	-1.14E-03	-1.39E-04	4.33E-04
2.87E+02	-9.94E-04	-2.18E-04	5.60E-04
2.87E+02	-8.47E-04	-2.95E-04	6.27E-04

2.87E+02	-6.42E-04	-3.23E-04	6.30E-04
2.87E+02	-4.87E-04	-3.08E-04	6.24E-04
2.87E+02	-4.12E-04	-2.96E-04	5.34E-04
2.87E+02	-3.74E-04	-2.77E-04	4.79E-04
2.87E+02	-3.76E-04	-2.61E-04	4.81E-04
2.87E+02	-3.78E-04	-2.46E-04	4.19E-04
2.87E+02	-4.18E-04	-2.35E-04	3.33E-04
2.87E+02	-4.93E-04	-2.39E-04	2.02E-04
2.87E+02	-5.12E-04	-2.26E-04	4.33E-05
2.87E+02	-5.35E-04	-2.12E-04	-1.06E-04
2.87E+02	-5.60E-04	-2.38E-04	-3.30E-04
2.87E+02	-5.40E-04	-2.72E-04	-4.93E-04
2.87E+02	-4.94E-04	-2.90E-04	-5.03E-04
2.87E+02	-4.09E-04	-3.07E-04	-4.83E-04
2.87E+02	-3.58E-04	-3.32E-04	-4.45E-04
2.87E+02	-3.49E-04	-3.33E-04	-3.85E-04
2.87E+02	-2.84E-04	-2.97E-04	-3.01E-04
2.87E+02	-2.37E-04	-2.42E-04	-1.57E-04
2.87E+02	-2.50E-04	-1.78E-04	-5.66E-05
2.87E+02	-2.68E-04	-1.09E-04	-9.92E-06
2.87E+02	-3.03E-04	-1.91E-05	5.44E-05
2.87E+02	-3.31E-04	4.20E-05	3.38E-05
2.87E+02	-3.76E-04	3.24E-05	-2.52E-05
2.87E+02	-4.71E-04	-2.61E-05	-1.96E-05
2.87E+02	-5.27E-04	-1.26E-04	1.62E-05
2.87E+02	-5.68E-04	-2.37E-04	1.16E-04
2.87E+02	-6.49E-04	-3.90E-04	1.69E-04
2.87E+02	-7.11E-04	-5.50E-04	1.40E-04
2.87E+02	-7.35E-04	-6.23E-04	1.61E-04
2.87E+02	-7.16E-04	-6.34E-04	1.62E-04
2.87E+02	-6.88E-04	-5.61E-04	1.35E-04
2.87E+02	-6.86E-04	-4.19E-04	1.16E-04
2.87E+02	-6.38E-04	-2.44E-04	3.78E-05
2.87E+02	-5.52E-04	-3.26E-05	-1.68E-05
2.87E+02	-5.18E-04	1.11E-04	-5.66E-05
2.87E+02	-5.05E-04	1.53E-04	-1.10E-04
2.87E+02	-4.96E-04	1.37E-04	-7.11E-05
2.87E+02	-4.92E-04	6.33E-05	-5.30E-05
2.87E+02	-4.66E-04	-2.94E-05	-1.09E-04
2.87E+02	-4.70E-04	-1.28E-04	-1.47E-04
2.87E+02	-4.27E-04	-1.96E-04	-1.34E-04
2.87E+02	-3.02E-04	-1.92E-04	-1.22E-05
2.87E+02	-2.25E-04	-2.10E-04	8.49E-05
2.87E+02	-1.75E-04	-2.76E-04	4.48E-05
2.87E+02	-1.36E-04	-3.41E-04	-6.29E-06
2.87E+02	-1.31E-04	-4.26E-04	-5.11E-05
2.87E+02	-1.58E-04	-5.19E-04	-9.17E-05

2.87E+02	-2.60E-04	-5.99E-04	-7.17E-05
2.87E+02	-3.74E-04	-6.72E-04	-4.35E-05
2.87E+02	-4.67E-04	-7.19E-04	2.21E-05
2.87E+02	-6.17E-04	-7.60E-04	9.92E-05
2.87E+02	-7.72E-04	-8.20E-04	7.06E-05
2.87E+02	-8.96E-04	-8.45E-04	6.71E-05
2.87E+02	-9.78E-04	-8.31E-04	6.28E-05
2.87E+02	-9.95E-04	-8.10E-04	-2.96E-05
2.87E+02	-1.01E-03	-7.44E-04	-5.66E-05
2.87E+02	-9.71E-04	-6.28E-04	-9.46E-05
2.87E+02	-8.17E-04	-4.94E-04	-1.50E-04
2.87E+02	-6.44E-04	-3.69E-04	-1.77E-04
2.87E+02	-4.27E-04	-2.98E-04	-3.03E-04
2.87E+02	-1.52E-04	-2.30E-04	-3.89E-04
2.87E+02	1.66E-04	-1.30E-04	-4.09E-04
2.87E+02	5.12E-04	-2.67E-05	-4.52E-04
2.87E+02	7.98E-04	7.55E-05	-4.33E-04
2.87E+02	1.03E-03	1.34E-04	-3.98E-04
2.87E+02	1.25E-03	1.71E-04	-2.99E-04
2.87E+02	1.36E-03	1.82E-04	-1.17E-04
2.87E+02	1.34E-03	1.19E-04	-1.03E-05
2.87E+02	1.24E-03	7.32E-05	9.10E-05
2.87E+02	1.08E-03	5.70E-05	1.79E-04
2.87E+02	9.34E-04	2.77E-05	1.17E-04
2.87E+02	7.54E-04	1.05E-05	3.38E-05
2.87E+02	5.89E-04	4.39E-06	1.03E-05
2.87E+02	5.05E-04	-3.24E-06	1.75E-05
2.87E+02	4.07E-04	-3.43E-05	3.11E-05
2.87E+02	3.10E-04	-1.18E-04	-4.67E-05
2.87E+02	2.35E-04	-2.34E-04	-1.66E-04
2.87E+02	1.80E-04	-3.44E-04	-2.56E-04
2.87E+02	1.61E-04	-4.48E-04	-3.49E-04
2.87E+02	1.11E-04	-5.37E-04	-3.62E-04
2.87E+02	4.98E-05	-6.00E-04	-3.12E-04
2.87E+02	6.24E-05	-6.44E-04	-2.49E-04
2.87E+02	8.54E-05	-6.71E-04	-1.17E-04
2.87E+02	9.19E-05	-7.05E-04	-2.06E-05
2.87E+02	1.38E-04	-7.27E-04	1.87E-05
2.87E+02	1.84E-04	-7.09E-04	4.20E-05
2.87E+02	2.26E-04	-6.66E-04	-6.87E-05
2.87E+02	2.30E-04	-5.63E-04	-2.53E-04
2.87E+02	1.58E-04	-4.04E-04	-4.17E-04
2.87E+02	9.92E-05	-1.98E-04	-5.12E-04
2.87E+02	1.43E-05	3.51E-05	-4.76E-04
2.87E+02	-1.34E-04	1.87E-04	-4.29E-04
2.87E+02	-2.47E-04	2.86E-04	-3.41E-04
2.87E+02	-3.19E-04	3.70E-04	-1.75E-04

2.87E+02	-3.24E-04	4.11E-04	-5.19E-05
2.87E+02	-2.74E-04	4.68E-04	4.71E-05
2.87E+02	-2.35E-04	5.25E-04	8.96E-05
2.87E+02	-1.21E-04	5.66E-04	4.16E-05
2.87E+02	2.96E-05	6.11E-04	1.53E-06
2.87E+02	1.20E-04	6.08E-04	-7.31E-05
2.87E+02	1.84E-04	5.75E-04	-1.67E-04
2.87E+02	2.19E-04	5.56E-04	-1.78E-04
2.87E+02	2.39E-04	5.13E-04	-2.25E-04
2.87E+02	2.14E-04	4.22E-04	-3.04E-04
2.87E+02	1.20E-04	2.95E-04	-3.22E-04
2.87E+02	6.31E-05	1.42E-04	-3.57E-04
2.87E+02	2.57E-05	-6.87E-06	-3.78E-04
2.87E+02	-4.29E-05	-1.58E-04	-4.39E-04
2.87E+02	-7.40E-05	-3.08E-04	-5.73E-04
2.87E+02	-7.13E-05	-4.00E-04	-6.27E-04
2.87E+02	-4.84E-05	-4.34E-04	-6.41E-04
2.87E+02	-2.71E-05	-4.26E-04	-6.31E-04
2.87E+02	-4.79E-05	-3.74E-04	-5.46E-04
2.87E+02	-4.16E-05	-2.95E-04	-4.50E-04
2.87E+02	-3.81E-06	-1.77E-04	-3.00E-04
2.87E+02	-2.29E-06	-6.31E-05	-1.31E-04
2.87E+02	-2.02E-05	2.48E-06	-2.52E-05
2.87E+02	-5.00E-05	4.60E-05	8.87E-05
2.87E+02	-5.72E-05	5.23E-05	1.34E-04
2.87E+02	-4.56E-05	2.48E-05	1.01E-04
2.87E+02	-8.49E-05	-4.58E-06	9.00E-05
2.87E+02	-8.45E-05	-5.72E-07	4.33E-05
2.87E+02	-1.41E-05	7.99E-05	1.37E-05
2.87E+02	3.81E-05	1.79E-04	-5.28E-05
2.87E+02	1.08E-04	2.49E-04	-2.16E-04
2.87E+02	1.86E-04	3.11E-04	-3.12E-04
2.87E+02	2.50E-04	3.38E-04	-4.17E-04
2.87E+02	2.89E-04	3.28E-04	-5.76E-04
2.87E+02	2.23E-04	2.81E-04	-7.05E-04
2.87E+02	1.38E-04	2.01E-04	-8.13E-04
2.87E+02	1.00E-04	1.49E-04	-7.97E-04
2.87E+02	8.39E-06	7.25E-05	-6.94E-04
2.87E+02	-8.05E-05	-2.12E-05	-5.59E-04
2.87E+02	-1.34E-04	-5.38E-05	-3.05E-04
2.87E+02	-1.81E-04	-6.75E-05	-1.12E-04
2.87E+02	-1.89E-04	-7.11E-05	-6.20E-05
2.87E+02	-2.11E-04	-6.05E-05	-1.51E-05
2.87E+02	-2.05E-04	-5.34E-05	-3.05E-06
2.87E+02	-1.14E-04	-3.78E-05	1.58E-05
2.87E+02	-3.40E-05	-5.72E-05	4.96E-05
2.87E+02	3.26E-05	-1.35E-04	1.37E-05

2.87E+02	1.03E-04	-2.18E-04	9.16E-06
2.87E+02	1.56E-04	-2.93E-04	6.87E-06
2.87E+02	2.09E-04	-3.55E-04	-3.32E-05
2.87E+02	1.87E-04	-3.74E-04	-5.05E-05
2.87E+02	1.18E-04	-3.60E-04	-1.46E-04
2.87E+02	9.46E-05	-2.93E-04	-2.59E-04
2.87E+02	2.16E-05	-1.74E-04	-3.18E-04
2.87E+02	-9.44E-05	-4.94E-05	-4.27E-04
2.87E+02	-2.06E-04	1.09E-04	-4.67E-04
2.87E+02	-3.05E-04	2.88E-04	-4.11E-04
2.87E+02	-3.35E-04	4.14E-04	-3.91E-04
2.87E+02	-3.61E-04	4.88E-04	-3.33E-04
2.87E+02	-3.61E-04	4.97E-04	-2.28E-04
2.87E+02	-2.72E-04	4.79E-04	-9.29E-05
2.87E+02	-1.89E-04	4.65E-04	5.95E-05
2.87E+02	-1.36E-04	4.16E-04	9.33E-05
2.87E+02	-7.48E-05	3.87E-04	7.46E-05
2.87E+02	-1.53E-05	3.81E-04	6.37E-05
2.87E+02	4.77E-05	3.43E-04	-9.73E-06
2.87E+02	7.10E-05	2.77E-04	-8.09E-05
2.87E+02	6.16E-05	1.66E-04	-1.62E-04
2.87E+02	1.17E-04	3.97E-05	-2.62E-04
2.87E+02	1.71E-04	-8.62E-05	-3.02E-04
2.88E+02	1.73E-04	-2.48E-04	-3.67E-04
2.88E+02	1.80E-04	-3.93E-04	-4.34E-04
2.88E+02	1.78E-04	-4.83E-04	-4.21E-04
2.88E+02	1.77E-04	-5.43E-04	-4.56E-04
2.88E+02	1.46E-04	-5.77E-04	-5.13E-04
2.88E+02	7.53E-05	-5.85E-04	-4.92E-04
2.88E+02	5.51E-05	-5.52E-04	-3.83E-04
2.88E+02	4.20E-05	-4.91E-04	-1.75E-04
2.88E+02	-9.73E-06	-4.68E-04	-2.46E-05
2.88E+02	-2.12E-05	-4.42E-04	5.87E-05
2.88E+02	-2.10E-06	-3.66E-04	1.63E-04
2.88E+02	4.43E-05	-2.79E-04	1.80E-04
2.88E+02	9.77E-05	-1.54E-04	1.39E-04
2.88E+02	7.44E-05	-5.72E-06	7.74E-05
2.88E+02	7.55E-05	1.62E-04	-7.63E-07
2.88E+02	9.17E-05	3.62E-04	-2.48E-06
2.88E+02	1.43E-05	4.92E-04	-1.64E-05
2.88E+02	-7.67E-05	5.74E-04	-1.83E-05
2.88E+02	-1.58E-04	6.45E-04	7.40E-05
2.88E+02	-2.08E-04	6.37E-04	9.37E-05
2.88E+02	-2.37E-04	5.72E-04	3.72E-05
2.88E+02	-3.03E-04	4.87E-04	-2.90E-05
2.88E+02	-3.05E-04	4.28E-04	-1.34E-04
2.88E+02	-2.61E-04	4.34E-04	-2.20E-04

2.88E+02	-2.54E-04	4.42E-04	-3.57E-04
2.88E+02	-2.26E-04	4.35E-04	-5.29E-04
2.88E+02	-1.69E-04	4.35E-04	-5.53E-04
2.88E+02	-9.98E-05	4.05E-04	-4.96E-04
2.88E+02	-3.07E-05	3.45E-04	-4.12E-04
2.88E+02	-1.83E-05	2.59E-04	-2.78E-04
2.88E+02	1.64E-05	1.48E-04	-1.39E-04
2.88E+02	1.01E-04	5.97E-05	4.63E-05
2.88E+02	1.51E-04	-3.51E-05	2.06E-04
2.88E+02	2.04E-04	-1.28E-04	2.86E-04
2.88E+02	2.73E-04	-1.44E-04	4.04E-04
2.88E+02	3.72E-04	-1.30E-04	4.84E-04
2.88E+02	4.73E-04	-1.40E-04	4.28E-04
2.88E+02	4.88E-04	-1.62E-04	3.17E-04
2.88E+02	4.96E-04	-1.73E-04	1.83E-04
2.88E+02	5.03E-04	-1.42E-04	8.07E-05
2.88E+02	4.26E-04	-1.05E-04	2.16E-05
2.88E+02	3.15E-04	-8.72E-05	-4.52E-05
2.88E+02	1.99E-04	-3.28E-05	-1.93E-05
2.88E+02	8.83E-05	3.78E-05	5.63E-05
2.88E+02	-5.91E-06	9.37E-05	1.18E-04
2.88E+02	-1.44E-04	1.69E-04	2.40E-04
2.88E+02	-2.69E-04	2.51E-04	3.40E-04
2.88E+02	-3.01E-04	3.56E-04	4.02E-04
2.88E+02	-3.20E-04	4.73E-04	4.14E-04
2.88E+02	-3.22E-04	5.47E-04	3.05E-04
2.88E+02	-2.60E-04	6.16E-04	2.06E-04
2.88E+02	-1.51E-04	6.66E-04	1.41E-04
2.88E+02	8.39E-06	6.74E-04	2.08E-05
2.88E+02	1.43E-04	6.59E-04	-7.78E-05
2.88E+02	2.51E-04	6.27E-04	-1.45E-04
2.88E+02	4.02E-04	6.24E-04	-1.63E-04
2.88E+02	5.08E-04	6.17E-04	-1.44E-04
2.88E+02	5.66E-04	5.36E-04	-2.05E-04
2.88E+02	6.30E-04	4.32E-04	-2.32E-04
2.88E+02	6.76E-04	3.27E-04	-1.72E-04
2.88E+02	7.29E-04	2.10E-04	-1.31E-04
2.88E+02	7.46E-04	1.21E-04	-4.69E-05
2.88E+02	7.49E-04	6.92E-05	5.87E-05
2.88E+02	8.12E-04	6.10E-05	1.59E-04
2.88E+02	8.43E-04	7.55E-05	2.54E-04
2.88E+02	8.23E-04	5.84E-05	2.25E-04
2.88E+02	7.93E-04	6.47E-05	1.60E-04
2.88E+02	7.45E-04	1.06E-04	1.21E-04
2.88E+02	7.21E-04	1.20E-04	1.35E-05
2.88E+02	6.65E-04	1.23E-04	-6.66E-05
2.88E+02	5.78E-04	1.18E-04	-9.38E-05

2.88E+02	5.54E-04	1.29E-04	-8.28E-05
2.88E+02	5.30E-04	1.58E-04	5.72E-07
2.88E+02	4.97E-04	1.52E-04	5.07E-05
2.88E+02	4.92E-04	1.38E-04	9.88E-05
2.88E+02	5.08E-04	1.66E-04	2.15E-04
2.88E+02	5.62E-04	2.18E-04	2.78E-04
2.88E+02	5.78E-04	2.76E-04	2.62E-04
2.88E+02	5.77E-04	3.29E-04	1.73E-04
2.88E+02	6.57E-04	3.92E-04	3.60E-05
2.88E+02	7.54E-04	4.76E-04	1.91E-07
2.88E+02	8.19E-04	5.26E-04	-7.82E-06
2.88E+02	8.86E-04	5.53E-04	1.91E-06
2.88E+02	9.31E-04	5.80E-04	1.08E-04
2.88E+02	9.55E-04	5.66E-04	1.33E-04
2.88E+02	9.16E-04	5.23E-04	1.02E-04
2.88E+02	7.65E-04	4.53E-04	9.40E-05
2.88E+02	6.19E-04	3.93E-04	6.60E-05
2.88E+02	4.65E-04	3.56E-04	7.78E-05
2.88E+02	2.53E-04	2.68E-04	4.79E-05
2.88E+02	9.38E-05	1.63E-04	-8.01E-06
2.88E+02	3.81E-07	7.02E-05	4.23E-05
2.88E+02	-1.64E-05	-2.19E-05	1.35E-04
2.88E+02	1.20E-05	-9.52E-05	2.49E-04
2.88E+02	4.86E-05	-1.45E-04	3.65E-04
2.88E+02	1.75E-04	-1.50E-04	3.93E-04
2.88E+02	3.48E-04	-9.69E-05	4.18E-04
2.88E+02	5.06E-04	-2.57E-05	4.53E-04
2.88E+02	6.40E-04	1.64E-05	4.35E-04
2.88E+02	7.32E-04	5.97E-05	4.60E-04
2.88E+02	8.15E-04	9.50E-05	4.59E-04
2.88E+02	8.57E-04	7.97E-05	3.93E-04
2.88E+02	8.24E-04	4.77E-05	3.35E-04
2.88E+02	7.94E-04	1.01E-05	2.20E-04
2.88E+02	7.85E-04	1.91E-07	1.05E-04
2.88E+02	7.30E-04	6.10E-06	-3.51E-05
2.88E+02	6.56E-04	-6.48E-06	-2.30E-04
2.88E+02	6.01E-04	1.45E-05	-3.30E-04
2.88E+02	5.61E-04	4.29E-05	-3.85E-04
2.88E+02	5.37E-04	4.56E-05	-4.27E-04
2.88E+02	4.90E-04	3.20E-05	-4.13E-04
2.88E+02	4.84E-04	7.63E-06	-3.91E-04
2.88E+02	5.49E-04	2.40E-05	-2.91E-04
2.88E+02	5.96E-04	6.87E-05	-1.35E-04
2.88E+02	6.47E-04	1.22E-04	-2.48E-06
2.88E+02	7.24E-04	2.17E-04	1.71E-04
2.88E+02	8.14E-04	3.08E-04	3.19E-04
2.88E+02	9.16E-04	3.59E-04	3.93E-04

2.88E+02	9.58E-04	3.63E-04	4.53E-04
2.88E+02	9.76E-04	3.26E-04	4.64E-04
2.88E+02	1.02E-03	2.98E-04	4.34E-04
2.88E+02	1.03E-03	2.61E-04	3.63E-04
2.88E+02	1.00E-03	1.97E-04	2.23E-04
2.88E+02	9.96E-04	1.71E-04	1.48E-04
2.88E+02	9.85E-04	1.74E-04	1.60E-04
2.88E+02	9.52E-04	1.60E-04	1.48E-04
2.88E+02	8.63E-04	1.31E-04	1.60E-04
2.88E+02	7.70E-04	7.29E-05	1.75E-04
2.88E+02	7.26E-04	-8.58E-06	1.51E-04
2.88E+02	6.77E-04	-1.28E-04	1.30E-04
2.88E+02	6.27E-04	-2.93E-04	2.92E-05
2.88E+02	5.99E-04	-4.26E-04	-5.42E-05
2.88E+02	6.11E-04	-4.94E-04	-6.26E-05
2.88E+02	6.69E-04	-5.07E-04	-1.14E-04
2.88E+02	7.02E-04	-4.63E-04	-1.36E-04
2.88E+02	7.31E-04	-3.80E-04	-1.40E-04
2.88E+02	8.15E-04	-2.68E-04	-1.21E-04
2.88E+02	8.71E-04	-1.75E-04	-7.25E-05
2.88E+02	8.79E-04	-1.40E-04	-1.28E-04
2.88E+02	9.01E-04	-1.04E-04	-1.50E-04
2.88E+02	9.12E-04	-2.86E-05	-7.95E-05
2.88E+02	9.26E-04	7.69E-05	-3.03E-05
2.88E+02	9.00E-04	2.22E-04	3.55E-05
2.88E+02	7.96E-04	3.65E-04	5.63E-05
2.88E+02	7.11E-04	5.05E-04	5.95E-05
2.88E+02	6.09E-04	6.34E-04	1.09E-04
2.88E+02	4.65E-04	6.87E-04	7.78E-05
2.88E+02	3.60E-04	7.17E-04	5.72E-05
2.88E+02	3.10E-04	7.60E-04	9.84E-05
2.88E+02	3.25E-04	7.63E-04	5.28E-05
2.88E+02	3.57E-04	7.33E-04	-2.29E-06
2.88E+02	3.92E-04	6.73E-04	6.48E-06
2.88E+02	5.02E-04	5.88E-04	5.09E-05
2.88E+02	6.25E-04	4.91E-04	1.19E-04
2.88E+02	7.07E-04	3.36E-04	8.77E-05
2.88E+02	8.03E-04	1.57E-04	-9.35E-06
2.88E+02	9.01E-04	1.85E-05	-6.69E-05
2.88E+02	9.84E-04	-1.11E-04	-1.77E-04
2.88E+02	1.02E-03	-2.29E-04	-2.82E-04
2.88E+02	1.01E-03	-2.95E-04	-2.98E-04
2.88E+02	1.02E-03	-3.24E-04	-2.81E-04
2.88E+02	1.02E-03	-3.40E-04	-1.84E-04
2.88E+02	9.62E-04	-3.58E-04	-9.44E-05
2.88E+02	9.03E-04	-3.84E-04	-5.04E-05
2.88E+02	8.57E-04	-3.79E-04	8.01E-05

2.88E+02	8.22E-04	-3.45E-04	1.63E-04
2.88E+02	7.80E-04	-2.82E-04	1.64E-04
2.88E+02	7.17E-04	-1.59E-04	1.79E-04
2.88E+02	6.89E-04	1.14E-05	1.68E-04
2.88E+02	6.91E-04	2.23E-04	2.21E-04
2.88E+02	6.58E-04	4.19E-04	2.84E-04
2.88E+02	6.23E-04	5.58E-04	2.58E-04
2.88E+02	6.05E-04	6.80E-04	2.61E-04
2.88E+02	5.96E-04	7.68E-04	2.44E-04
2.88E+02	5.75E-04	8.03E-04	2.05E-04
2.88E+02	4.87E-04	7.97E-04	1.97E-04
2.88E+02	4.20E-04	7.74E-04	1.65E-04
2.88E+02	3.92E-04	7.64E-04	1.78E-04
2.88E+02	3.16E-04	7.28E-04	1.71E-04
2.88E+02	2.41E-04	6.87E-04	1.05E-04
2.88E+02	2.08E-04	6.97E-04	1.08E-04
2.88E+02	2.18E-04	7.29E-04	1.04E-04
2.88E+02	2.68E-04	7.58E-04	8.30E-05
2.88E+02	2.68E-04	7.47E-04	9.46E-05
2.88E+02	2.75E-04	7.13E-04	8.47E-05
2.88E+02	3.36E-04	6.89E-04	7.78E-05
2.88E+02	3.41E-04	6.17E-04	2.00E-05
2.88E+02	3.36E-04	4.90E-04	-8.51E-05
2.88E+02	3.65E-04	3.54E-04	-1.06E-04
2.88E+02	4.04E-04	2.12E-04	-8.96E-05
2.88E+02	4.56E-04	7.31E-05	-9.10E-05
2.88E+02	4.66E-04	-3.85E-05	-6.37E-05
2.88E+02	4.82E-04	-9.06E-05	-2.71E-05
2.88E+02	5.52E-04	-5.30E-05	5.87E-05
2.88E+02	5.89E-04	3.62E-05	1.89E-04
2.88E+02	5.93E-04	1.37E-04	2.52E-04
2.88E+02	5.93E-04	2.57E-04	3.17E-04
2.88E+02	5.80E-04	3.76E-04	3.71E-04
2.88E+02	5.74E-04	4.61E-04	3.06E-04
2.88E+02	5.34E-04	5.06E-04	2.29E-04
2.89E+02	4.93E-04	5.26E-04	1.69E-04
2.89E+02	5.19E-04	5.46E-04	1.21E-04
2.89E+02	5.30E-04	5.24E-04	8.89E-05
2.89E+02	5.31E-04	4.32E-04	-1.66E-05
2.89E+02	5.66E-04	3.31E-04	-1.08E-04
2.89E+02	6.01E-04	2.37E-04	-1.76E-04
2.89E+02	6.43E-04	1.52E-04	-2.87E-04
2.89E+02	6.42E-04	1.01E-04	-3.48E-04
2.89E+02	6.30E-04	8.62E-05	-3.92E-04
2.89E+02	6.97E-04	1.27E-04	-4.00E-04
2.89E+02	7.70E-04	1.84E-04	-2.94E-04
2.89E+02	8.32E-04	2.11E-04	-1.73E-04

2.89E+02	8.95E-04	2.31E-04	-1.28E-05
2.89E+02	9.32E-04	2.39E-04	1.70E-04
2.89E+02	9.69E-04	2.10E-04	2.08E-04
2.89E+02	9.38E-04	1.58E-04	1.83E-04
2.89E+02	8.41E-04	9.40E-05	1.56E-04
2.89E+02	7.73E-04	4.65E-05	1.21E-04
2.89E+02	6.79E-04	1.77E-05	1.39E-04
2.89E+02	5.40E-04	-4.10E-05	1.24E-04
2.89E+02	4.27E-04	-1.04E-04	1.16E-04
2.89E+02	3.31E-04	-1.46E-04	1.64E-04
2.89E+02	2.75E-04	-1.78E-04	1.53E-04
2.89E+02	2.29E-04	-2.05E-04	1.31E-04
2.89E+02	1.60E-04	-2.47E-04	9.23E-05
2.89E+02	1.76E-04	-2.68E-04	2.67E-06
2.89E+02	2.25E-04	-2.50E-04	-3.55E-05
2.89E+02	2.41E-04	-2.22E-04	-1.03E-04
2.89E+02	2.89E-04	-1.66E-04	-1.96E-04
2.89E+02	3.55E-04	-5.13E-05	-2.31E-04
2.89E+02	4.44E-04	8.24E-05	-3.39E-04
2.89E+02	5.07E-04	2.09E-04	-4.60E-04
2.89E+02	5.04E-04	3.35E-04	-5.34E-04
2.89E+02	5.13E-04	4.40E-04	-6.25E-04
2.89E+02	4.90E-04	5.36E-04	-6.27E-04
2.89E+02	4.02E-04	5.87E-04	-6.00E-04
2.89E+02	3.05E-04	5.67E-04	-5.70E-04
2.89E+02	2.10E-04	5.54E-04	-3.91E-04
2.89E+02	1.59E-04	5.38E-04	-1.65E-04
2.89E+02	1.30E-04	5.04E-04	4.23E-05
2.89E+02	8.09E-05	4.69E-04	2.17E-04
2.89E+02	1.16E-04	4.33E-04	2.77E-04
2.89E+02	2.19E-04	4.14E-04	3.01E-04
2.89E+02	3.03E-04	3.57E-04	2.62E-04
2.89E+02	4.01E-04	2.60E-04	1.50E-04
2.89E+02	4.92E-04	1.80E-04	1.03E-04
2.89E+02	5.88E-04	9.56E-05	5.32E-05
2.89E+02	6.77E-04	1.13E-05	-1.51E-05
2.89E+02	6.89E-04	-7.99E-05	-2.37E-05
2.89E+02	7.04E-04	-1.68E-04	-1.01E-05
2.89E+02	7.30E-04	-2.08E-04	4.18E-05
2.89E+02	6.90E-04	-2.55E-04	4.65E-05
2.89E+02	6.32E-04	-3.00E-04	-5.93E-05
2.89E+02	5.77E-04	-2.88E-04	-1.28E-04
2.89E+02	5.32E-04	-2.57E-04	-1.55E-04
2.89E+02	4.89E-04	-2.20E-04	-1.80E-04
2.89E+02	3.77E-04	-2.03E-04	-1.54E-04
2.89E+02	2.89E-04	-1.94E-04	-1.17E-04
2.89E+02	2.51E-04	-1.71E-04	-8.93E-05

2.89E+02	1.60E-04	-1.74E-04	-9.04E-05
2.89E+02	8.18E-05	-1.75E-04	-9.23E-05
2.89E+02	4.14E-05	-1.37E-04	1.34E-05
2.89E+02	8.77E-06	-9.10E-05	1.40E-04
2.89E+02	-5.15E-06	-5.84E-05	1.65E-04
2.89E+02	-5.84E-05	-3.59E-05	1.77E-04
2.89E+02	-1.11E-04	-1.22E-05	1.76E-04
2.89E+02	-1.08E-04	4.02E-05	1.54E-04
2.89E+02	-1.25E-04	9.52E-05	1.26E-04
2.89E+02	-1.41E-04	1.13E-04	3.22E-05
2.89E+02	-1.27E-04	1.50E-04	-5.72E-06
2.89E+02	-1.07E-04	1.95E-04	1.45E-05
2.89E+02	-7.44E-05	2.10E-04	-2.71E-05
2.89E+02	-8.81E-05	2.22E-04	-6.43E-05
2.89E+02	-1.09E-04	2.09E-04	-1.37E-04
2.89E+02	-4.44E-05	1.94E-04	-2.08E-04
2.89E+02	1.43E-05	1.76E-04	-1.95E-04
2.89E+02	6.56E-05	1.24E-04	-2.00E-04
2.89E+02	1.62E-04	9.75E-05	-1.56E-04
2.89E+02	2.59E-04	8.16E-05	-6.37E-05
2.89E+02	3.62E-04	3.80E-05	-4.25E-05
2.89E+02	4.08E-04	-1.74E-05	-1.83E-05
2.89E+02	3.86E-04	-8.66E-05	-1.98E-05
2.89E+02	3.96E-04	-1.31E-04	-5.19E-05
2.89E+02	3.88E-04	-1.65E-04	-5.86E-05
2.89E+02	3.48E-04	-2.42E-04	-1.13E-04
2.89E+02	3.49E-04	-3.11E-04	-1.20E-04
2.89E+02	3.77E-04	-3.46E-04	-5.76E-05
2.89E+02	4.14E-04	-3.64E-04	-4.56E-05
2.89E+02	4.06E-04	-3.58E-04	-3.60E-05
2.89E+02	3.57E-04	-3.46E-04	-5.34E-05
2.89E+02	3.68E-04	-3.18E-04	-8.34E-05
2.89E+02	3.79E-04	-2.57E-04	-2.96E-05
2.89E+02	3.50E-04	-2.23E-04	2.90E-05
2.89E+02	3.50E-04	-1.87E-04	1.21E-04
2.89E+02	3.65E-04	-1.16E-04	2.73E-04
2.89E+02	4.01E-04	-7.76E-05	3.38E-04
2.89E+02	4.14E-04	-6.22E-05	3.27E-04
2.89E+02	3.79E-04	-7.04E-05	2.60E-04
2.89E+02	3.87E-04	-8.72E-05	1.24E-04
2.89E+02	3.65E-04	-9.56E-05	-3.32E-05
2.89E+02	2.89E-04	-1.56E-04	-2.37E-04
2.89E+02	2.44E-04	-2.28E-04	-3.90E-04
2.89E+02	1.92E-04	-2.82E-04	-3.85E-04
2.89E+02	1.64E-04	-3.38E-04	-3.08E-04
2.89E+02	1.21E-04	-3.77E-04	-1.90E-04
2.89E+02	3.30E-05	-4.03E-04	-7.53E-05

2.89E+02	2.77E-05	-3.89E-04	-1.54E-05
2.89E+02	5.44E-05	-3.26E-04	6.73E-05
2.89E+02	6.92E-05	-2.85E-04	1.12E-04
2.89E+02	1.33E-04	-2.75E-04	1.52E-04
2.89E+02	2.12E-04	-2.59E-04	2.95E-04
2.89E+02	3.16E-04	-2.72E-04	3.97E-04
2.89E+02	4.05E-04	-3.26E-04	4.35E-04
2.89E+02	4.37E-04	-3.88E-04	4.52E-04
2.89E+02	4.89E-04	-4.34E-04	3.99E-04
2.89E+02	5.30E-04	-4.53E-04	3.12E-04
2.89E+02	5.26E-04	-4.66E-04	1.34E-04
2.89E+02	5.08E-04	-4.81E-04	-9.27E-05
2.89E+02	4.86E-04	-4.68E-04	-2.02E-04
2.89E+02	4.85E-04	-4.34E-04	-2.45E-04
2.89E+02	4.65E-04	-4.09E-04	-2.53E-04
2.89E+02	3.95E-04	-3.96E-04	-2.17E-04
2.89E+02	3.66E-04	-3.91E-04	-2.03E-04
2.89E+02	3.82E-04	-3.75E-04	-1.61E-04
2.89E+02	3.48E-04	-3.73E-04	-1.21E-04
2.89E+02	2.97E-04	-3.94E-04	-1.15E-04
2.89E+02	2.49E-04	-3.75E-04	-2.19E-05
2.89E+02	1.93E-04	-3.33E-04	8.62E-05
2.89E+02	1.47E-04	-2.83E-04	1.60E-04
2.89E+02	7.13E-05	-2.20E-04	2.65E-04
2.89E+02	3.09E-05	-1.50E-04	3.39E-04
2.89E+02	5.46E-05	-7.04E-05	3.79E-04
2.89E+02	6.05E-05	-5.05E-05	3.59E-04
2.89E+02	8.79E-05	-9.50E-05	2.52E-04
2.89E+02	1.51E-04	-1.59E-04	2.14E-04
2.89E+02	2.33E-04	-2.71E-04	2.11E-04
2.89E+02	3.19E-04	-4.14E-04	1.79E-04
2.89E+02	3.56E-04	-5.69E-04	1.91E-04
2.89E+02	4.31E-04	-7.08E-04	1.83E-04
2.89E+02	5.54E-04	-7.94E-04	1.52E-04
2.89E+02	6.27E-04	-8.38E-04	1.14E-04
2.89E+02	7.00E-04	-8.24E-04	2.29E-05
2.89E+02	7.79E-04	-7.59E-04	-5.53E-05
2.89E+02	8.40E-04	-6.78E-04	-1.34E-04
2.89E+02	8.81E-04	-6.03E-04	-2.20E-04
2.89E+02	8.50E-04	-5.51E-04	-2.07E-04
2.89E+02	7.89E-04	-5.00E-04	-1.07E-04
2.89E+02	7.17E-04	-4.37E-04	4.18E-05
2.89E+02	5.73E-04	-4.12E-04	1.39E-04
2.89E+02	3.91E-04	-4.36E-04	9.19E-05
2.89E+02	2.20E-04	-4.57E-04	6.22E-05
2.89E+02	6.07E-05	-4.64E-04	8.51E-05
2.89E+02	-1.09E-04	-4.74E-04	7.17E-05

2.89E+02	-3.21E-04	-4.74E-04	1.02E-04
2.89E+02	-5.09E-04	-4.65E-04	1.57E-04
2.89E+02	-6.18E-04	-4.32E-04	2.13E-04
2.89E+02	-6.95E-04	-3.83E-04	2.67E-04
2.89E+02	-7.47E-04	-3.67E-04	2.15E-04
2.89E+02	-7.18E-04	-3.16E-04	1.82E-04
2.89E+02	-5.99E-04	-2.21E-04	1.89E-04
2.89E+02	-4.39E-04	-1.60E-04	9.73E-05
2.89E+02	-3.12E-04	-1.21E-04	2.48E-06
2.89E+02	-2.20E-04	-1.19E-04	-4.62E-05
2.89E+02	-1.53E-04	-1.51E-04	-5.78E-05
2.89E+02	-2.04E-04	-2.34E-04	-1.02E-04
2.89E+02	-3.58E-04	-3.90E-04	-2.49E-04
2.89E+02	-5.22E-04	-5.16E-04	-3.40E-04
2.89E+02	-6.92E-04	-5.76E-04	-3.29E-04
2.89E+02	-8.44E-04	-5.96E-04	-2.75E-04
2.89E+02	-9.93E-04	-5.78E-04	-1.55E-04
2.89E+02	-1.11E-03	-5.32E-04	-2.99E-05
2.89E+02	-1.14E-03	-4.64E-04	8.49E-05
2.89E+02	-1.14E-03	-4.16E-04	1.89E-04
2.89E+02	-1.14E-03	-4.20E-04	2.06E-04
2.89E+02	-1.09E-03	-4.15E-04	2.22E-04
2.89E+02	-1.01E-03	-3.80E-04	2.33E-04
2.89E+02	-8.93E-04	-3.40E-04	1.50E-04
2.89E+02	-7.79E-04	-2.68E-04	8.75E-05
2.89E+02	-6.65E-04	-1.64E-04	7.10E-05
2.89E+02	-5.01E-04	-2.86E-05	1.14E-04
2.89E+02	-3.76E-04	1.06E-04	1.95E-04
2.89E+02	-3.12E-04	1.66E-04	1.71E-04
2.89E+02	-2.63E-04	1.84E-04	1.25E-04
2.89E+02	-2.38E-04	1.86E-04	1.09E-04
2.89E+02	-2.34E-04	1.39E-04	4.62E-05
2.89E+02	-2.90E-04	7.59E-05	-3.62E-06
2.89E+02	-3.77E-04	4.16E-05	-5.23E-05
2.89E+02	-4.06E-04	5.32E-05	-1.09E-04
2.89E+02	-4.32E-04	8.64E-05	-1.11E-04
2.89E+02	-4.83E-04	8.96E-05	-1.40E-04
2.89E+02	-5.09E-04	7.42E-05	-1.50E-04
2.89E+02	-5.24E-04	3.95E-05	-7.31E-05
2.89E+02	-5.28E-04	-3.72E-05	-2.61E-05
2.89E+02	-5.66E-04	-1.42E-04	2.75E-05
2.89E+02	-6.57E-04	-2.55E-04	1.04E-04
2.89E+02	-7.10E-04	-3.31E-04	1.71E-04
2.89E+02	-7.78E-04	-3.74E-04	2.44E-04
2.89E+02	-8.77E-04	-4.26E-04	2.11E-04
2.89E+02	-9.06E-04	-4.41E-04	1.30E-04
2.89E+02	-8.84E-04	-3.92E-04	9.65E-05

2.90E+02	-8.40E-04	-3.23E-04	2.77E-05
2.90E+02	-7.96E-04	-2.38E-04	-6.14E-05
2.90E+02	-7.75E-04	-1.42E-04	-1.48E-04
2.90E+02	-7.29E-04	-2.37E-05	-2.49E-04
2.90E+02	-7.05E-04	1.07E-04	-3.15E-04
2.90E+02	-7.58E-04	1.88E-04	-3.82E-04
2.90E+02	-8.39E-04	2.43E-04	-4.08E-04
2.90E+02	-9.30E-04	2.99E-04	-3.24E-04
2.90E+02	-1.01E-03	3.11E-04	-2.67E-04
2.90E+02	-1.11E-03	2.84E-04	-2.24E-04
2.90E+02	-1.25E-03	2.34E-04	-1.49E-04
2.90E+02	-1.35E-03	1.86E-04	-1.09E-04
2.90E+02	-1.42E-03	1.60E-04	-7.72E-05
2.90E+02	-1.50E-03	1.21E-04	-9.14E-05
2.90E+02	-1.50E-03	8.85E-05	-1.22E-04
2.90E+02	-1.43E-03	8.79E-05	-4.48E-05
2.90E+02	-1.30E-03	8.58E-05	5.53E-05
2.90E+02	-1.15E-03	7.84E-05	1.63E-04
2.90E+02	-1.03E-03	7.02E-05	3.25E-04
2.90E+02	-8.95E-04	3.62E-05	4.29E-04
2.90E+02	-7.80E-04	-1.03E-05	4.59E-04
2.90E+02	-7.27E-04	-7.46E-05	4.02E-04
2.90E+02	-7.07E-04	-1.51E-04	2.65E-04
2.90E+02	-6.99E-04	-1.87E-04	1.75E-04
2.90E+02	-6.93E-04	-1.91E-04	7.02E-05
2.90E+02	-7.16E-04	-1.61E-04	-5.11E-05
2.90E+02	-7.99E-04	-8.95E-05	-1.01E-04
2.90E+02	-8.66E-04	5.34E-06	-1.33E-04
2.90E+02	-9.14E-04	1.12E-04	-1.44E-04
2.90E+02	-9.90E-04	1.66E-04	-2.00E-04
2.90E+02	-1.06E-03	1.71E-04	-2.74E-04
2.90E+02	-1.10E-03	1.79E-04	-2.43E-04
2.90E+02	-1.11E-03	1.75E-04	-1.95E-04
2.90E+02	-1.12E-03	1.65E-04	-1.59E-04
2.90E+02	-1.17E-03	1.45E-04	-1.19E-04
2.90E+02	-1.18E-03	1.16E-04	-1.04E-04
2.90E+02	-1.14E-03	8.93E-05	-7.00E-05
2.90E+02	-1.13E-03	2.17E-05	-5.68E-05
2.90E+02	-1.10E-03	-6.73E-05	-7.02E-05
2.90E+02	-1.04E-03	-1.33E-04	-8.77E-06
2.90E+02	-9.43E-04	-2.03E-04	6.48E-05
2.90E+02	-8.37E-04	-2.71E-04	9.99E-05
2.90E+02	-7.84E-04	-3.19E-04	1.43E-04
2.90E+02	-7.35E-04	-3.42E-04	1.61E-04
2.90E+02	-6.75E-04	-3.19E-04	1.75E-04
2.90E+02	-6.88E-04	-3.04E-04	1.71E-04
2.90E+02	-7.27E-04	-3.16E-04	1.20E-04

2.90E+02	-7.54E-04	-2.97E-04	1.13E-04
2.90E+02	-7.76E-04	-2.58E-04	1.06E-04
2.90E+02	-7.93E-04	-2.18E-04	4.58E-05
2.90E+02	-8.39E-04	-1.60E-04	-1.07E-05
2.90E+02	-8.52E-04	-7.42E-05	-7.57E-05
2.90E+02	-8.06E-04	3.70E-05	-1.17E-04
2.90E+02	-7.83E-04	1.39E-04	-1.52E-04
2.90E+02	-7.68E-04	2.03E-04	-2.46E-04
2.90E+02	-7.37E-04	2.55E-04	-2.78E-04
2.90E+02	-7.05E-04	2.90E-04	-2.56E-04
2.90E+02	-6.92E-04	2.75E-04	-2.63E-04
2.90E+02	-7.54E-04	2.37E-04	-2.30E-04
2.90E+02	-8.38E-04	1.93E-04	-1.97E-04
2.90E+02	-8.98E-04	1.63E-04	-1.50E-04
2.90E+02	-9.97E-04	1.26E-04	-9.04E-05
2.90E+02	-1.09E-03	4.94E-05	-1.06E-04
2.90E+02	-1.13E-03	1.34E-06	-8.22E-05
2.90E+02	-1.13E-03	-2.42E-05	-2.16E-05
2.90E+02	-1.09E-03	-8.05E-05	-2.44E-05
2.90E+02	-1.05E-03	-1.30E-04	-1.75E-05
2.90E+02	-9.86E-04	-1.73E-04	-3.41E-05
2.90E+02	-8.62E-04	-2.09E-04	-8.35E-05
2.90E+02	-7.55E-04	-2.31E-04	-1.11E-04
2.90E+02	-7.04E-04	-2.85E-04	-2.16E-04
2.90E+02	-6.72E-04	-3.25E-04	-2.92E-04
2.90E+02	-6.62E-04	-3.25E-04	-2.79E-04
2.90E+02	-6.67E-04	-3.40E-04	-2.96E-04
2.90E+02	-7.22E-04	-3.50E-04	-2.53E-04
2.90E+02	-7.99E-04	-3.37E-04	-1.69E-04
2.90E+02	-8.13E-04	-2.87E-04	-9.27E-05
2.90E+02	-8.30E-04	-2.07E-04	-1.49E-05
2.90E+02	-8.30E-04	-1.42E-04	-3.22E-05
2.90E+02	-7.43E-04	-6.54E-05	-2.44E-05
2.90E+02	-6.16E-04	2.33E-05	3.78E-05
2.90E+02	-4.67E-04	8.20E-05	2.37E-05
2.90E+02	-3.62E-04	1.14E-04	1.05E-05
2.90E+02	-3.02E-04	1.22E-04	-5.15E-06
2.90E+02	-2.40E-04	1.18E-04	-3.72E-05
2.90E+02	-2.64E-04	9.80E-05	-5.84E-05
2.90E+02	-3.55E-04	5.70E-05	-1.19E-04
2.90E+02	-4.46E-04	3.66E-05	-1.21E-04
2.90E+02	-5.37E-04	3.38E-05	-6.52E-05
2.90E+02	-5.82E-04	1.07E-05	-9.27E-05
2.90E+02	-6.39E-04	-1.72E-05	-1.73E-04
2.90E+02	-6.96E-04	-3.49E-05	-2.78E-04
2.90E+02	-6.79E-04	-4.31E-05	-3.94E-04
2.90E+02	-6.81E-04	-4.25E-05	-5.00E-04

2.90E+02	-6.98E-04	-7.72E-05	-6.37E-04
2.90E+02	-6.94E-04	-1.23E-04	-6.76E-04
2.90E+02	-6.98E-04	-1.54E-04	-5.85E-04
2.90E+02	-6.96E-04	-2.25E-04	-4.94E-04
2.90E+02	-7.44E-04	-3.18E-04	-3.84E-04
2.90E+02	-8.29E-04	-3.93E-04	-2.95E-04
2.90E+02	-8.58E-04	-4.32E-04	-2.18E-04
2.90E+02	-8.87E-04	-4.17E-04	-1.06E-04
2.90E+02	-9.43E-04	-3.80E-04	-5.82E-05
2.90E+02	-9.67E-04	-3.17E-04	-3.40E-05
2.90E+02	-9.50E-04	-2.16E-04	2.73E-05
2.90E+02	-8.86E-04	-1.41E-04	4.50E-05
2.90E+02	-8.15E-04	-1.31E-04	5.49E-05
2.90E+02	-7.59E-04	-1.46E-04	1.07E-04
2.90E+02	-6.39E-04	-1.53E-04	1.67E-04
2.90E+02	-5.24E-04	-1.59E-04	2.05E-04
2.90E+02	-4.74E-04	-1.90E-04	1.53E-04
2.90E+02	-4.14E-04	-2.17E-04	9.19E-05
2.90E+02	-3.71E-04	-2.08E-04	1.26E-04
2.90E+02	-3.55E-04	-2.01E-04	1.36E-04
2.90E+02	-3.72E-04	-1.95E-04	1.20E-04
2.90E+02	-4.31E-04	-1.78E-04	1.21E-04
2.90E+02	-4.48E-04	-1.33E-04	1.08E-04
2.90E+02	-4.71E-04	-6.31E-05	1.08E-04
2.90E+02	-5.40E-04	-2.98E-05	4.06E-05
2.90E+02	-6.08E-04	-1.53E-06	-6.16E-05
2.90E+02	-6.87E-04	3.01E-05	-7.90E-05
2.90E+02	-7.50E-04	5.72E-07	-1.70E-04
2.90E+02	-8.11E-04	-6.16E-05	-3.08E-04
2.90E+02	-8.91E-04	-1.29E-04	-3.37E-04
2.90E+02	-9.18E-04	-2.07E-04	-2.96E-04
2.90E+02	-9.10E-04	-2.91E-04	-1.74E-04
2.90E+02	-9.04E-04	-4.06E-04	-7.15E-05
2.90E+02	-8.57E-04	-5.21E-04	-3.64E-05
2.90E+02	-7.82E-04	-6.11E-04	2.04E-05
2.90E+02	-6.79E-04	-6.95E-04	2.12E-05
2.90E+02	-5.79E-04	-7.67E-04	-3.30E-05
2.90E+02	-5.33E-04	-8.17E-04	-6.83E-05
2.90E+02	-4.67E-04	-8.18E-04	-9.84E-05
2.90E+02	-3.85E-04	-7.64E-04	-8.32E-05
2.90E+02	-3.57E-04	-7.11E-04	-5.44E-05
2.90E+02	-3.37E-04	-6.53E-04	-3.22E-05
2.90E+02	-3.09E-04	-5.73E-04	3.91E-05
2.90E+02	-2.75E-04	-5.28E-04	4.83E-05
2.90E+02	-2.46E-04	-5.05E-04	1.20E-05
2.90E+02	-3.03E-04	-4.85E-04	-3.43E-06
2.90E+02	-3.66E-04	-4.64E-04	-7.13E-05

2.90E+02	-4.04E-04	-4.06E-04	-1.05E-04
2.90E+02	-5.08E-04	-3.81E-04	-1.25E-04
2.90E+02	-6.16E-04	-4.02E-04	-1.54E-04
2.90E+02	-6.87E-04	-4.06E-04	-7.82E-05
2.90E+02	-7.03E-04	-4.06E-04	-1.14E-06
2.90E+02	-6.70E-04	-3.90E-04	3.55E-05
2.90E+02	-6.35E-04	-3.45E-04	8.58E-05
2.90E+02	-5.40E-04	-2.88E-04	1.12E-04
2.90E+02	-3.98E-04	-1.88E-04	1.48E-04
2.90E+02	-3.10E-04	-8.13E-05	1.38E-04
2.90E+02	-2.48E-04	-1.91E-07	6.08E-05
2.90E+02	-1.95E-04	1.08E-04	7.11E-05
2.90E+02	-1.59E-04	2.00E-04	1.18E-04
2.90E+02	-1.39E-04	2.55E-04	1.29E-04
2.90E+02	-1.97E-04	2.86E-04	1.43E-04
2.90E+02	-2.74E-04	2.90E-04	1.36E-04
2.90E+02	-3.37E-04	2.94E-04	1.28E-04
2.90E+02	-4.63E-04	2.57E-04	6.20E-05
2.90E+02	-5.90E-04	1.88E-04	-8.30E-05
2.90E+02	-6.93E-04	1.33E-04	-1.83E-04
2.90E+02	-7.78E-04	7.92E-05	-2.58E-04
2.90E+02	-8.43E-04	1.58E-05	-3.48E-04
2.90E+02	-9.52E-04	-6.79E-05	-3.88E-04
2.90E+02	-1.02E-03	-1.53E-04	-3.55E-04
2.90E+02	-9.97E-04	-2.07E-04	-2.16E-04
2.90E+02	-9.83E-04	-2.48E-04	-1.93E-05
2.90E+02	-9.50E-04	-2.98E-04	1.44E-04
2.90E+02	-8.56E-04	-3.09E-04	3.22E-04
2.90E+02	-7.32E-04	-3.01E-04	4.29E-04
2.90E+02	-5.72E-04	-3.16E-04	4.01E-04
2.90E+02	-4.41E-04	-3.02E-04	3.63E-04
2.90E+02	-3.23E-04	-2.58E-04	2.65E-04
2.90E+02	-1.66E-04	-1.80E-04	1.18E-04
2.90E+02	-5.53E-05	-6.43E-05	7.63E-07
2.90E+02	2.75E-05	1.41E-05	-1.45E-04
2.90E+02	1.11E-04	7.29E-05	-2.18E-04
2.90E+02	1.54E-04	1.13E-04	-2.25E-04
2.90E+02	1.42E-04	9.37E-05	-2.85E-04
2.90E+02	4.94E-05	5.44E-05	-2.94E-04
2.90E+02	-6.96E-05	2.10E-06	-2.62E-04
2.90E+02	-1.68E-04	-3.36E-05	-2.10E-04
2.90E+02	-3.11E-04	-5.40E-05	-1.27E-04
2.90E+02	-4.87E-04	-9.61E-05	-8.64E-05
2.90E+02	-6.29E-04	-9.21E-05	1.74E-05
2.90E+02	-7.22E-04	-6.14E-05	1.49E-04
2.90E+02	-7.63E-04	-3.11E-05	1.89E-04
2.90E+02	-7.80E-04	2.38E-05	2.53E-04

2.90E+02	-7.54E-04	8.05E-05	3.39E-04
2.90E+02	-6.48E-04	1.55E-04	3.99E-04
2.90E+02	-5.39E-04	2.28E-04	4.32E-04
2.90E+02	-4.51E-04	2.76E-04	3.63E-04
2.90E+02	-3.40E-04	3.30E-04	2.98E-04
2.90E+02	-2.40E-04	3.84E-04	2.82E-04
2.90E+02	-1.66E-04	4.40E-04	2.22E-04
2.90E+02	-1.43E-04	5.01E-04	1.57E-04
2.90E+02	-1.50E-04	5.72E-04	6.89E-05
2.90E+02	-1.10E-04	6.60E-04	-2.31E-05
2.90E+02	-7.57E-05	7.31E-04	-9.88E-05
2.90E+02	-6.64E-05	7.51E-04	-2.24E-04
2.91E+02	-3.55E-05	7.53E-04	-2.64E-04
2.91E+02	1.91E-06	7.32E-04	-2.00E-04
2.91E+02	4.90E-05	6.49E-04	-1.79E-04
2.91E+02	6.81E-05	5.38E-04	-1.65E-04
2.91E+02	4.83E-05	4.20E-04	-1.45E-04
2.91E+02	6.14E-05	3.16E-04	-1.19E-04
2.91E+02	5.44E-05	2.48E-04	-5.65E-05
2.91E+02	-1.91E-06	1.65E-04	-1.96E-05
2.91E+02	-5.09E-05	1.00E-04	2.57E-05
2.91E+02	-1.03E-04	8.72E-05	1.21E-04
2.91E+02	-1.47E-04	8.87E-05	1.85E-04
2.91E+02	-2.03E-04	1.30E-04	2.46E-04
2.91E+02	-2.53E-04	2.05E-04	2.98E-04
2.91E+02	-2.23E-04	3.14E-04	2.89E-04
2.91E+02	-1.80E-04	4.55E-04	2.76E-04
2.91E+02	-1.61E-04	5.66E-04	2.12E-04
2.91E+02	-1.25E-04	6.61E-04	1.17E-04
2.91E+02	-7.53E-05	7.41E-04	7.25E-05
2.91E+02	-1.81E-05	7.61E-04	-1.47E-05
2.91E+02	4.39E-06	7.31E-04	-1.26E-04
2.91E+02	-2.48E-06	6.54E-04	-2.08E-04
2.91E+02	4.56E-05	5.93E-04	-2.43E-04
2.91E+02	1.04E-04	5.69E-04	-2.14E-04
2.91E+02	1.37E-04	5.30E-04	-2.46E-04
2.91E+02	2.06E-04	5.19E-04	-3.02E-04
2.91E+02	2.84E-04	5.53E-04	-2.84E-04
2.91E+02	3.65E-04	5.80E-04	-2.63E-04
2.91E+02	4.06E-04	5.72E-04	-2.29E-04
2.91E+02	3.83E-04	5.17E-04	-1.47E-04
2.91E+02	4.11E-04	4.49E-04	-5.09E-05
2.91E+02	4.37E-04	3.66E-04	4.69E-05
2.91E+02	4.14E-04	2.42E-04	1.17E-04
2.91E+02	4.22E-04	1.42E-04	1.84E-04
2.91E+02	4.55E-04	1.08E-04	2.86E-04
2.91E+02	5.17E-04	9.88E-05	3.30E-04

2.91E+02	5.77E-04	1.19E-04	3.32E-04
2.91E+02	5.95E-04	1.71E-04	3.64E-04
2.91E+02	6.34E-04	2.57E-04	3.87E-04
2.91E+02	6.65E-04	3.57E-04	3.84E-04
2.91E+02	6.35E-04	4.06E-04	2.84E-04
2.91E+02	5.84E-04	4.24E-04	1.64E-04
2.91E+02	5.21E-04	4.44E-04	1.58E-04
2.91E+02	4.53E-04	4.44E-04	1.43E-04
2.91E+02	3.55E-04	4.22E-04	9.63E-05
2.91E+02	2.30E-04	3.88E-04	7.00E-05
2.91E+02	1.58E-04	3.67E-04	2.94E-05
2.91E+02	1.27E-04	3.62E-04	1.95E-05
2.91E+02	1.18E-04	3.61E-04	5.34E-06
2.91E+02	1.60E-04	3.49E-04	-2.75E-05
2.91E+02	2.29E-04	3.24E-04	-2.08E-05
2.91E+02	3.12E-04	2.62E-04	-5.86E-05
2.91E+02	3.72E-04	1.56E-04	-1.35E-04
2.91E+02	3.59E-04	4.37E-05	-1.77E-04
2.91E+02	3.50E-04	-4.27E-05	-2.10E-04
2.91E+02	3.60E-04	-9.59E-05	-2.34E-04
2.91E+02	3.32E-04	-1.49E-04	-2.97E-04
2.91E+02	3.28E-04	-1.85E-04	-3.56E-04
2.91E+02	3.78E-04	-1.60E-04	-2.99E-04
2.91E+02	4.63E-04	-1.09E-04	-1.97E-04
2.91E+02	5.47E-04	-6.14E-05	-1.01E-04
2.91E+02	5.77E-04	-2.90E-05	-1.16E-05
2.91E+02	6.16E-04	-9.16E-06	4.58E-05
2.91E+02	6.90E-04	2.25E-05	1.36E-04
2.91E+02	7.29E-04	2.25E-05	2.27E-04
2.91E+02	7.55E-04	-1.13E-05	2.68E-04
2.91E+02	7.83E-04	-2.59E-05	3.57E-04
2.91E+02	8.01E-04	-3.57E-05	4.30E-04
2.91E+02	7.99E-04	-4.31E-05	4.15E-04
2.91E+02	7.18E-04	-3.91E-05	4.14E-04
2.91E+02	6.21E-04	-2.73E-05	4.10E-04
2.91E+02	5.41E-04	3.81E-06	4.09E-04
2.91E+02	4.12E-04	2.35E-05	3.63E-04
2.91E+02	2.87E-04	4.96E-06	2.04E-04
2.91E+02	2.11E-04	-6.10E-06	6.87E-05
2.91E+02	1.77E-04	-1.96E-05	-5.15E-05
2.91E+02	1.65E-04	-6.39E-05	-1.83E-04
2.91E+02	1.17E-04	-1.13E-04	-2.72E-04
2.91E+02	7.36E-05	-1.63E-04	-3.93E-04
2.91E+02	8.16E-05	-1.67E-04	-4.84E-04
2.91E+02	7.86E-05	-1.36E-04	-5.08E-04
2.91E+02	6.87E-05	-1.01E-04	-5.18E-04
2.91E+02	8.51E-05	-1.68E-05	-4.03E-04

2.91E+02	1.24E-04	8.24E-05	-2.24E-04
2.91E+02	1.72E-04	1.62E-04	-1.37E-04
2.91E+02	1.77E-04	2.23E-04	-7.92E-05
2.91E+02	1.81E-04	2.49E-04	-3.15E-05
2.91E+02	2.54E-04	2.74E-04	4.46E-05
2.91E+02	3.27E-04	2.68E-04	1.48E-04
2.91E+02	3.90E-04	1.84E-04	1.65E-04
2.91E+02	4.97E-04	1.03E-04	2.33E-04
2.91E+02	6.11E-04	3.09E-05	3.72E-04
2.91E+02	6.83E-04	-7.99E-05	4.51E-04
2.91E+02	6.84E-04	-1.89E-04	5.20E-04
2.91E+02	6.57E-04	-2.96E-04	5.34E-04
2.91E+02	6.61E-04	-3.68E-04	5.04E-04
2.91E+02	6.47E-04	-3.99E-04	4.79E-04
2.91E+02	6.27E-04	-4.31E-04	3.87E-04
2.91E+02	6.45E-04	-4.33E-04	3.11E-04
2.91E+02	6.78E-04	-4.28E-04	2.66E-04
2.91E+02	7.13E-04	-4.45E-04	1.55E-04
2.91E+02	6.83E-04	-4.54E-04	6.29E-05
2.91E+02	6.07E-04	-4.50E-04	8.01E-06
2.91E+02	5.60E-04	-3.86E-04	-3.49E-05
2.91E+02	4.81E-04	-2.87E-04	-7.76E-05
2.91E+02	3.73E-04	-2.25E-04	-1.87E-04
2.91E+02	3.11E-04	-1.46E-04	-2.27E-04
2.91E+02	3.04E-04	-2.78E-05	-1.64E-04
2.91E+02	3.62E-04	8.70E-05	-1.19E-04
2.91E+02	4.14E-04	1.76E-04	-7.11E-05
2.91E+02	4.57E-04	2.18E-04	-5.32E-05
2.91E+02	5.67E-04	2.43E-04	-5.49E-05
2.91E+02	6.34E-04	2.30E-04	-6.33E-05
2.91E+02	6.48E-04	1.78E-04	-1.35E-04
2.91E+02	6.78E-04	1.53E-04	-1.56E-04
2.91E+02	6.84E-04	1.44E-04	-1.02E-04
2.91E+02	6.80E-04	1.28E-04	-8.01E-05
2.91E+02	6.37E-04	1.10E-04	-3.07E-05
2.91E+02	5.59E-04	9.10E-05	4.12E-05
2.91E+02	5.31E-04	8.32E-05	1.20E-04
2.91E+02	4.95E-04	7.10E-05	2.44E-04
2.91E+02	4.39E-04	1.30E-05	2.73E-04
2.91E+02	4.38E-04	-5.61E-05	2.48E-04
2.91E+02	4.82E-04	-9.96E-05	2.71E-04
2.91E+02	5.70E-04	-1.38E-04	2.46E-04
2.91E+02	6.54E-04	-1.72E-04	2.10E-04
2.91E+02	7.01E-04	-2.02E-04	1.77E-04
2.91E+02	7.78E-04	-2.04E-04	1.17E-04
2.91E+02	8.50E-04	-1.68E-04	8.35E-05
2.91E+02	8.50E-04	-1.46E-04	6.10E-06

2.91E+02	8.20E-04	-1.29E-04	-7.13E-05
2.91E+02	7.64E-04	-9.06E-05	-5.91E-05
2.91E+02	6.75E-04	-7.69E-05	-6.62E-05
2.91E+02	5.43E-04	-8.54E-05	-5.32E-05
2.91E+02	3.43E-04	-1.03E-04	-1.43E-05
2.91E+02	1.77E-04	-1.16E-04	-1.72E-06
2.91E+02	7.29E-05	-9.61E-05	3.78E-05
2.91E+02	-3.28E-05	-1.23E-04	1.24E-05
2.91E+02	-6.73E-05	-1.81E-04	2.10E-06
2.91E+02	-3.01E-05	-1.96E-04	1.13E-04
2.91E+02	4.46E-05	-2.01E-04	2.03E-04
2.91E+02	1.28E-04	-1.87E-04	2.75E-04
2.91E+02	1.62E-04	-1.68E-04	3.31E-04
2.91E+02	2.17E-04	-1.56E-04	3.15E-04
2.91E+02	2.59E-04	-1.16E-04	2.84E-04
2.91E+02	2.15E-04	-8.56E-05	1.94E-04
2.91E+02	1.69E-04	-5.02E-05	9.40E-05
2.91E+02	1.47E-04	2.67E-05	8.98E-05
2.91E+02	1.64E-04	9.29E-05	5.49E-05
2.91E+02	2.01E-04	1.22E-04	-2.00E-05
2.91E+02	2.00E-04	1.17E-04	-6.29E-05
2.91E+02	2.53E-04	1.00E-04	-8.11E-05
2.91E+02	3.27E-04	7.72E-05	-2.16E-05
2.91E+02	3.42E-04	2.29E-05	3.13E-05
2.91E+02	3.76E-04	-4.62E-05	4.29E-05
2.91E+02	4.20E-04	-1.01E-04	9.96E-05
2.91E+02	4.61E-04	-1.51E-04	1.44E-04
2.91E+02	4.86E-04	-2.03E-04	1.67E-04
2.91E+02	4.50E-04	-2.43E-04	1.79E-04
2.91E+02	4.31E-04	-2.62E-04	1.45E-04
2.91E+02	4.30E-04	-2.44E-04	1.21E-04
2.91E+02	3.79E-04	-2.13E-04	8.37E-05
2.91E+02	3.34E-04	-1.97E-04	2.31E-05
2.91E+02	3.08E-04	-1.50E-04	2.71E-05
2.91E+02	3.04E-04	-9.78E-05	3.34E-05
2.91E+02	3.19E-04	-7.71E-05	-5.34E-06
2.91E+02	2.94E-04	-7.80E-05	-3.87E-05
2.91E+02	3.03E-04	-8.89E-05	-6.39E-05
2.91E+02	3.64E-04	-7.06E-05	-6.62E-05
2.91E+02	3.80E-04	-6.26E-05	-1.11E-04
2.91E+02	3.87E-04	-8.89E-05	-2.14E-04
2.91E+02	4.10E-04	-8.30E-05	-2.34E-04
2.91E+02	4.33E-04	-5.87E-05	-2.14E-04
2.91E+02	4.40E-04	-2.44E-05	-2.20E-04
2.91E+02	4.03E-04	2.73E-05	-1.71E-04
2.91E+02	3.79E-04	9.19E-05	-8.79E-05
2.91E+02	3.88E-04	1.82E-04	2.94E-05

2.91E+02	3.69E-04	2.49E-04	1.51E-04
2.91E+02	3.38E-04	2.70E-04	1.83E-04
2.91E+02	3.27E-04	2.63E-04	2.27E-04
2.91E+02	3.36E-04	2.14E-04	2.93E-04
2.91E+02	3.48E-04	1.17E-04	2.79E-04
2.91E+02	3.27E-04	-5.72E-06	2.39E-04
2.91E+02	3.16E-04	-1.08E-04	1.86E-04
2.91E+02	3.56E-04	-1.57E-04	1.33E-04
2.91E+02	3.65E-04	-1.71E-04	5.78E-05
2.91E+02	3.46E-04	-1.96E-04	-8.22E-05
2.91E+02	3.56E-04	-1.73E-04	-1.41E-04
2.91E+02	3.50E-04	-1.16E-04	-1.58E-04
2.91E+02	3.17E-04	-8.47E-05	-2.23E-04
2.91E+02	2.53E-04	-4.18E-05	-2.29E-04
2.91E+02	1.65E-04	-1.03E-05	-2.02E-04
2.91E+02	1.09E-04	1.83E-05	-1.41E-04
2.91E+02	4.25E-05	4.22E-05	-5.86E-05
2.91E+02	-2.54E-05	3.24E-05	-4.18E-05
2.91E+02	-4.86E-05	5.47E-05	-1.24E-05
2.91E+02	-3.07E-05	9.33E-05	3.15E-05
2.91E+02	2.12E-05	1.12E-04	2.67E-05
2.91E+02	3.76E-05	1.12E-04	2.99E-05
2.91E+02	2.35E-05	1.00E-04	2.65E-05
2.91E+02	2.50E-05	1.20E-04	1.16E-05
2.92E+02	-1.77E-05	1.29E-04	-2.12E-05
2.92E+02	-9.27E-05	1.20E-04	-1.13E-04
2.92E+02	-1.48E-04	1.50E-04	-1.25E-04
2.92E+02	-1.89E-04	2.04E-04	-4.81E-05
2.92E+02	-1.98E-04	2.92E-04	3.59E-05
2.92E+02	-2.32E-04	3.88E-04	1.36E-04
2.92E+02	-2.79E-04	4.57E-04	1.74E-04
2.92E+02	-2.36E-04	5.39E-04	1.88E-04
2.92E+02	-1.91E-04	5.84E-04	2.10E-04
2.92E+02	-1.65E-04	5.49E-04	1.69E-04
2.92E+02	-1.07E-04	5.04E-04	1.63E-04
2.92E+02	-3.81E-05	4.63E-04	2.08E-04
2.92E+02	5.89E-05	4.03E-04	1.88E-04
2.92E+02	1.19E-04	3.37E-04	1.53E-04
2.92E+02	1.34E-04	2.77E-04	1.43E-04
2.92E+02	1.71E-04	2.45E-04	1.28E-04
2.92E+02	1.62E-04	2.36E-04	1.05E-04
2.92E+02	9.46E-05	2.16E-04	4.58E-06
2.92E+02	3.38E-05	2.08E-04	-1.10E-04
2.92E+02	-1.26E-05	2.35E-04	-1.53E-04
2.92E+02	-2.37E-05	2.79E-04	-1.97E-04
2.92E+02	-4.23E-05	3.28E-04	-2.06E-04
2.92E+02	-6.10E-05	3.90E-04	-1.78E-04

2.92E+02	-3.24E-06	4.67E-04	-1.35E-04
2.92E+02	6.14E-05	5.51E-04	-3.60E-05
2.92E+02	1.03E-04	6.04E-04	2.02E-05
2.92E+02	1.59E-04	6.31E-04	6.14E-05
2.92E+02	2.12E-04	6.54E-04	1.52E-04
2.92E+02	2.58E-04	6.49E-04	1.83E-04
2.92E+02	2.54E-04	6.21E-04	1.94E-04
2.92E+02	1.89E-04	5.86E-04	2.33E-04
2.92E+02	1.32E-04	5.65E-04	2.75E-04
2.92E+02	6.31E-05	5.62E-04	3.44E-04
2.92E+02	-5.34E-05	5.21E-04	3.31E-04
2.92E+02	-1.61E-04	4.61E-04	2.40E-04
2.92E+02	-2.40E-04	4.34E-04	1.92E-04
2.92E+02	-2.88E-04	4.11E-04	1.11E-04
2.92E+02	-3.19E-04	3.86E-04	1.37E-05
2.92E+02	-3.40E-04	3.90E-04	-1.64E-05
2.92E+02	-2.83E-04	4.27E-04	-3.17E-05
2.92E+02	-1.68E-04	4.93E-04	-1.43E-05
2.92E+02	-5.63E-05	5.53E-04	1.96E-05
2.92E+02	6.18E-05	6.06E-04	5.89E-05
2.92E+02	1.86E-04	6.73E-04	1.68E-04
2.92E+02	3.01E-04	7.06E-04	2.24E-04
2.92E+02	3.79E-04	7.00E-04	2.00E-04
2.92E+02	4.09E-04	6.84E-04	1.98E-04
2.92E+02	4.49E-04	6.61E-04	1.83E-04
2.92E+02	5.15E-04	6.67E-04	1.78E-04
2.92E+02	5.48E-04	6.68E-04	1.44E-04
2.92E+02	5.82E-04	6.49E-04	7.15E-05
2.92E+02	6.46E-04	6.88E-04	6.52E-05
2.92E+02	7.01E-04	7.24E-04	2.00E-05
2.92E+02	7.41E-04	7.44E-04	-2.98E-05
2.92E+02	7.20E-04	7.83E-04	-1.39E-05
2.92E+02	6.55E-04	7.92E-04	-5.00E-05
2.92E+02	5.78E-04	8.14E-04	-7.13E-05
2.92E+02	4.33E-04	8.23E-04	-7.51E-05
2.92E+02	2.62E-04	8.06E-04	-6.87E-05
2.92E+02	1.19E-04	7.98E-04	5.95E-05
2.92E+02	1.62E-05	7.54E-04	1.95E-04
2.92E+02	-4.52E-05	6.73E-04	2.93E-04
2.92E+02	-1.06E-04	5.72E-04	3.92E-04
2.92E+02	-9.84E-05	4.84E-04	4.16E-04
2.92E+02	-1.72E-06	4.47E-04	4.15E-04
2.92E+02	8.89E-05	4.08E-04	3.47E-04
2.92E+02	1.87E-04	3.57E-04	1.87E-04
2.92E+02	3.02E-04	3.42E-04	9.98E-05
2.92E+02	4.10E-04	3.56E-04	2.12E-05
2.92E+02	4.91E-04	3.73E-04	-1.01E-04

2.92E+02	4.93E-04	3.96E-04	-1.79E-04
2.92E+02	4.92E-04	4.23E-04	-2.40E-04
2.92E+02	5.04E-04	4.58E-04	-2.67E-04
2.92E+02	4.59E-04	4.91E-04	-2.70E-04
2.92E+02	4.05E-04	4.96E-04	-3.03E-04
2.92E+02	3.65E-04	5.06E-04	-2.71E-04
2.92E+02	3.36E-04	5.15E-04	-1.73E-04
2.92E+02	2.90E-04	4.53E-04	-1.17E-04
2.92E+02	1.94E-04	3.55E-04	-5.34E-05
2.92E+02	1.31E-04	2.78E-04	4.10E-05
2.92E+02	1.18E-04	2.39E-04	1.47E-04
2.92E+02	1.01E-04	2.12E-04	2.06E-04
2.92E+02	9.78E-05	1.76E-04	1.67E-04
2.92E+02	1.50E-04	1.90E-04	1.50E-04
2.92E+02	2.50E-04	2.33E-04	1.60E-04
2.92E+02	3.61E-04	2.74E-04	1.40E-04
2.92E+02	4.43E-04	3.22E-04	1.42E-04
2.92E+02	5.31E-04	3.65E-04	1.35E-04
2.92E+02	6.68E-04	4.31E-04	1.63E-04
2.92E+02	7.71E-04	4.75E-04	2.14E-04
2.92E+02	8.42E-04	4.69E-04	1.78E-04
2.92E+02	9.34E-04	4.74E-04	1.61E-04
2.92E+02	1.00E-03	4.70E-04	1.71E-04
2.92E+02	1.04E-03	4.19E-04	8.72E-05
2.92E+02	1.01E-03	3.45E-04	-2.67E-06
2.92E+02	9.42E-04	2.67E-04	-7.57E-05
2.92E+02	8.95E-04	2.08E-04	-1.29E-04
2.92E+02	8.03E-04	1.66E-04	-1.65E-04
2.92E+02	6.87E-04	1.09E-04	-2.72E-04
2.92E+02	6.10E-04	8.45E-05	-3.06E-04
2.92E+02	5.61E-04	1.17E-04	-2.13E-04
2.92E+02	5.49E-04	1.49E-04	-1.17E-04
2.92E+02	5.23E-04	1.67E-04	2.33E-05
2.92E+02	5.04E-04	1.62E-04	1.49E-04
2.92E+02	5.69E-04	1.52E-04	2.28E-04
2.92E+02	6.25E-04	1.34E-04	2.92E-04
2.92E+02	6.54E-04	8.96E-05	2.67E-04
2.92E+02	7.03E-04	8.85E-05	2.31E-04
2.92E+02	7.53E-04	1.36E-04	2.12E-04
2.92E+02	8.42E-04	1.89E-04	1.36E-04
2.92E+02	8.94E-04	2.29E-04	6.05E-05
2.92E+02	9.01E-04	2.40E-04	1.91E-06
2.92E+02	9.66E-04	2.60E-04	-1.16E-05
2.92E+02	9.69E-04	2.41E-04	-3.24E-06
2.92E+02	8.99E-04	1.37E-04	-7.86E-05
2.92E+02	8.47E-04	2.84E-05	-1.17E-04
2.92E+02	7.85E-04	-5.19E-05	-6.39E-05

2.92E+02	7.31E-04	-1.17E-04	-1.58E-05
2.92E+02	6.43E-04	-1.63E-04	6.73E-05
2.92E+02	5.29E-04	-1.88E-04	1.56E-04
2.92E+02	4.88E-04	-1.76E-04	2.14E-04
2.92E+02	4.50E-04	-1.46E-04	2.57E-04
2.92E+02	3.86E-04	-1.42E-04	2.12E-04
2.92E+02	3.49E-04	-1.41E-04	1.64E-04
2.92E+02	3.47E-04	-1.19E-04	1.70E-04
2.92E+02	3.88E-04	-1.10E-04	1.26E-04
2.92E+02	4.25E-04	-1.19E-04	8.22E-05
2.92E+02	4.49E-04	-1.40E-04	4.08E-05
2.92E+02	5.26E-04	-1.52E-04	3.43E-06
2.92E+02	6.10E-04	-1.54E-04	-1.91E-07
2.92E+02	6.35E-04	-1.98E-04	-1.19E-04
2.92E+02	6.53E-04	-2.41E-04	-2.57E-04
2.92E+02	6.72E-04	-2.36E-04	-2.76E-04
2.92E+02	6.68E-04	-2.16E-04	-2.99E-04
2.92E+02	6.23E-04	-1.78E-04	-3.07E-04
2.92E+02	5.29E-04	-1.28E-04	-3.07E-04
2.92E+02	4.84E-04	-5.86E-05	-3.20E-04
2.92E+02	4.65E-04	2.19E-05	-2.67E-04
2.92E+02	4.24E-04	5.49E-05	-2.17E-04
2.92E+02	4.34E-04	5.32E-05	-1.64E-04
2.92E+02	4.59E-04	4.35E-05	-4.60E-05
2.92E+02	4.82E-04	1.18E-05	-2.48E-06
2.92E+02	4.84E-04	-4.22E-05	-4.62E-05
2.92E+02	4.31E-04	-8.81E-05	-9.16E-05
2.92E+02	4.14E-04	-7.78E-05	-1.19E-04
2.92E+02	4.07E-04	-2.50E-05	-1.05E-04
2.92E+02	3.58E-04	1.28E-05	-1.12E-04
2.92E+02	3.33E-04	4.83E-05	-1.05E-04
2.92E+02	3.26E-04	1.05E-04	-3.62E-06
2.92E+02	3.37E-04	1.43E-04	6.75E-05
2.92E+02	3.41E-04	1.30E-04	5.25E-05
2.92E+02	3.21E-04	9.38E-05	4.18E-05
2.92E+02	3.61E-04	6.35E-05	4.04E-05
2.92E+02	4.18E-04	3.36E-05	2.50E-05
2.92E+02	4.33E-04	3.62E-06	-2.42E-05
2.92E+02	4.48E-04	5.15E-06	-9.38E-05
2.92E+02	4.49E-04	3.89E-05	-1.13E-04
2.92E+02	4.38E-04	5.34E-05	-1.48E-04
2.92E+02	4.06E-04	4.18E-05	-2.19E-04
2.92E+02	3.27E-04	3.26E-05	-2.74E-04
2.92E+02	2.76E-04	3.26E-05	-3.60E-04
2.92E+02	2.63E-04	4.50E-05	-4.43E-04
2.92E+02	2.22E-04	2.78E-05	-5.33E-04
2.92E+02	1.95E-04	-1.83E-05	-6.16E-04

2.92E+02	1.94E-04	-5.47E-05	-5.74E-04
2.92E+02	2.01E-04	-1.02E-04	-5.00E-04
2.92E+02	2.09E-04	-1.46E-04	-4.35E-04
2.92E+02	1.62E-04	-1.93E-04	-3.96E-04
2.92E+02	1.33E-04	-2.38E-04	-4.53E-04
2.92E+02	1.70E-04	-2.28E-04	-4.85E-04
2.92E+02	1.74E-04	-2.15E-04	-5.10E-04
2.92E+02	1.78E-04	-2.12E-04	-5.58E-04
2.92E+02	2.01E-04	-1.85E-04	-5.04E-04
2.92E+02	2.25E-04	-1.74E-04	-4.62E-04
2.92E+02	2.50E-04	-1.83E-04	-4.66E-04
2.92E+02	2.17E-04	-2.10E-04	-4.28E-04
2.92E+02	1.86E-04	-2.39E-04	-3.93E-04
2.92E+02	1.86E-04	-2.19E-04	-3.44E-04
2.92E+02	1.35E-04	-1.88E-04	-3.32E-04
2.92E+02	7.93E-05	-1.67E-04	-3.91E-04
2.92E+02	6.26E-05	-1.18E-04	-3.83E-04
2.92E+02	7.19E-05	-6.62E-05	-3.42E-04
2.92E+02	9.10E-05	-2.94E-05	-3.39E-04
2.92E+02	8.51E-05	-7.63E-07	-3.24E-04
2.92E+02	1.27E-04	2.90E-05	-3.24E-04
2.92E+02	2.40E-04	7.42E-05	-3.22E-04
2.92E+02	3.28E-04	1.01E-04	-2.96E-04
2.92E+02	4.13E-04	9.88E-05	-3.06E-04
2.92E+02	5.04E-04	1.03E-04	-2.88E-04
2.92E+02	5.59E-04	1.01E-04	-2.59E-04
2.92E+02	5.81E-04	6.96E-05	-2.97E-04
2.92E+02	5.29E-04	1.91E-05	-3.21E-04
2.92E+02	4.34E-04	-3.26E-05	-3.17E-04
2.92E+02	3.53E-04	-7.72E-05	-2.98E-04
2.92E+02	2.35E-04	-1.34E-04	-2.91E-04
2.92E+02	1.02E-04	-2.10E-04	-3.50E-04
2.92E+02	1.53E-05	-2.67E-04	-3.46E-04
2.92E+02	-3.85E-05	-2.90E-04	-2.74E-04
2.92E+02	-6.87E-05	-3.11E-04	-2.55E-04
2.92E+02	-1.20E-04	-3.37E-04	-2.46E-04
2.93E+02	-1.80E-04	-3.66E-04	-2.75E-04
2.93E+02	-1.91E-04	-3.80E-04	-3.25E-04
2.93E+02	-2.27E-04	-3.81E-04	-3.37E-04
2.93E+02	-2.98E-04	-4.01E-04	-3.74E-04
2.93E+02	-3.47E-04	-4.01E-04	-3.48E-04
2.93E+02	-3.82E-04	-3.68E-04	-2.49E-04
2.93E+02	-3.81E-04	-3.50E-04	-2.01E-04
2.93E+02	-3.81E-04	-3.21E-04	-1.36E-04
2.93E+02	-3.82E-04	-2.76E-04	-7.00E-05
2.93E+02	-3.19E-04	-2.18E-04	-6.03E-05
2.93E+02	-2.64E-04	-1.51E-04	-9.46E-05

2.93E+02	-2.37E-04	-1.25E-04	-2.17E-04
2.93E+02	-1.87E-04	-1.17E-04	-2.93E-04
2.93E+02	-1.38E-04	-1.02E-04	-2.71E-04
2.93E+02	-1.00E-04	-1.25E-04	-2.74E-04
2.93E+02	-1.22E-04	-1.69E-04	-2.53E-04
2.93E+02	-1.88E-04	-2.05E-04	-2.32E-04
2.93E+02	-2.19E-04	-2.19E-04	-2.74E-04
2.93E+02	-2.65E-04	-2.09E-04	-3.53E-04
2.93E+02	-3.27E-04	-2.12E-04	-4.90E-04
2.93E+02	-3.62E-04	-2.04E-04	-5.73E-04
2.93E+02	-3.66E-04	-1.69E-04	-5.54E-04
2.93E+02	-3.09E-04	-1.58E-04	-5.29E-04
2.93E+02	-2.69E-04	-1.76E-04	-4.68E-04
2.93E+02	-2.61E-04	-1.97E-04	-3.57E-04
2.93E+02	-2.04E-04	-1.87E-04	-2.18E-04
2.93E+02	-1.71E-04	-1.65E-04	-7.23E-05
2.93E+02	-1.87E-04	-1.67E-04	-7.06E-06
2.93E+02	-1.81E-04	-1.47E-04	2.46E-05
2.93E+02	-1.63E-04	-1.03E-04	8.58E-05
2.93E+02	-1.50E-04	-6.31E-05	9.61E-05
2.93E+02	-1.64E-04	-8.58E-06	9.35E-05
2.93E+02	-2.08E-04	3.68E-05	8.20E-05
2.93E+02	-1.95E-04	6.71E-05	3.32E-05
2.93E+02	-1.59E-04	8.43E-05	3.03E-05
2.93E+02	-1.51E-04	3.89E-05	-1.07E-05
2.93E+02	-1.15E-04	-4.27E-05	-9.37E-05
2.93E+02	-5.72E-05	-1.14E-04	-1.14E-04
2.93E+02	1.93E-05	-1.91E-04	-1.71E-04
2.93E+02	6.92E-05	-2.80E-04	-2.51E-04
2.93E+02	7.61E-05	-3.51E-04	-2.90E-04
2.93E+02	1.24E-04	-3.90E-04	-3.39E-04
2.93E+02	1.54E-04	-4.10E-04	-3.58E-04
2.93E+02	1.42E-04	-4.29E-04	-3.72E-04
2.93E+02	1.51E-04	-4.31E-04	-3.55E-04
2.93E+02	1.74E-04	-3.80E-04	-2.09E-04
2.93E+02	2.08E-04	-3.02E-04	-6.20E-05
2.93E+02	2.10E-04	-2.14E-04	4.67E-05
2.93E+02	1.60E-04	-1.26E-04	1.44E-04
2.93E+02	1.33E-04	-5.80E-05	1.85E-04
2.93E+02	1.04E-04	-3.43E-06	2.41E-04
2.93E+02	3.38E-05	-8.58E-06	2.72E-04
2.93E+02	-3.01E-05	-5.42E-05	2.64E-04
2.93E+02	-7.67E-05	-8.01E-05	3.43E-04
2.93E+02	-1.05E-04	-1.13E-04	3.95E-04
2.93E+02	-1.35E-04	-1.57E-04	3.81E-04
2.93E+02	-2.03E-04	-1.96E-04	3.96E-04
2.93E+02	-2.40E-04	-2.33E-04	3.78E-04

2.93E+02	-2.59E-04	-2.65E-04	3.39E-04
2.93E+02	-3.26E-04	-3.28E-04	2.35E-04
2.93E+02	-3.84E-04	-4.23E-04	6.50E-05
2.93E+02	-4.15E-04	-4.91E-04	-1.24E-05
2.93E+02	-4.22E-04	-5.53E-04	-5.97E-05
2.93E+02	-4.19E-04	-6.11E-04	-9.50E-05
2.93E+02	-4.44E-04	-6.41E-04	-7.10E-05
2.93E+02	-4.30E-04	-6.43E-04	-6.07E-05
2.93E+02	-3.77E-04	-5.90E-04	-2.77E-05
2.93E+02	-3.49E-04	-5.29E-04	-1.22E-05
2.93E+02	-3.19E-04	-4.88E-04	-5.93E-05
2.93E+02	-2.87E-04	-4.25E-04	-3.87E-05
2.93E+02	-2.48E-04	-3.86E-04	2.86E-06
2.93E+02	-2.07E-04	-3.98E-04	3.59E-05
2.93E+02	-2.27E-04	-4.53E-04	1.33E-04
2.93E+02	-2.31E-04	-5.29E-04	2.09E-04
2.93E+02	-1.87E-04	-5.93E-04	2.80E-04
2.93E+02	-1.75E-04	-6.68E-04	3.15E-04
2.93E+02	-1.58E-04	-7.58E-04	2.46E-04
2.93E+02	-1.15E-04	-8.10E-04	2.03E-04
2.93E+02	-6.39E-05	-8.36E-04	1.79E-04
2.93E+02	-3.74E-05	-8.72E-04	1.31E-04
2.93E+02	-8.51E-05	-9.14E-04	1.23E-04
2.93E+02	-1.40E-04	-9.68E-04	1.33E-04
2.93E+02	-1.80E-04	-1.01E-03	1.73E-04
2.93E+02	-2.74E-04	-1.05E-03	2.33E-04
2.93E+02	-3.99E-04	-1.09E-03	2.42E-04
2.93E+02	-5.03E-04	-1.06E-03	2.74E-04
2.93E+02	-5.80E-04	-9.77E-04	2.96E-04
2.93E+02	-6.25E-04	-8.57E-04	2.65E-04
2.93E+02	-6.73E-04	-6.95E-04	2.98E-04
2.93E+02	-7.10E-04	-5.31E-04	3.52E-04
2.93E+02	-6.87E-04	-3.73E-04	4.02E-04
2.93E+02	-6.86E-04	-2.68E-04	4.41E-04
2.93E+02	-6.91E-04	-2.42E-04	3.81E-04
2.93E+02	-6.38E-04	-2.42E-04	3.58E-04
2.93E+02	-5.66E-04	-2.67E-04	4.14E-04
2.93E+02	-4.78E-04	-3.24E-04	4.36E-04
2.93E+02	-4.21E-04	-3.98E-04	4.42E-04
2.93E+02	-3.87E-04	-4.85E-04	4.03E-04
2.93E+02	-3.06E-04	-5.49E-04	3.30E-04
2.93E+02	-2.53E-04	-6.07E-04	2.73E-04
2.93E+02	-2.31E-04	-6.91E-04	1.79E-04
2.93E+02	-1.95E-04	-7.56E-04	1.25E-04
2.93E+02	-1.65E-04	-7.98E-04	1.32E-04
2.93E+02	-1.21E-04	-8.15E-04	1.28E-04
2.93E+02	-1.32E-04	-8.11E-04	1.69E-04

2.93E+02	-1.92E-04	-7.89E-04	2.45E-04
2.93E+02	-2.15E-04	-7.11E-04	3.25E-04
2.93E+02	-2.73E-04	-6.26E-04	3.67E-04
2.93E+02	-3.55E-04	-5.84E-04	3.18E-04
2.93E+02	-3.94E-04	-5.40E-04	3.19E-04
2.93E+02	-4.02E-04	-4.89E-04	3.91E-04
2.93E+02	-3.78E-04	-4.65E-04	4.11E-04
2.93E+02	-3.74E-04	-4.49E-04	4.19E-04
2.93E+02	-3.98E-04	-4.26E-04	3.94E-04
2.93E+02	-3.78E-04	-3.78E-04	3.31E-04
2.93E+02	-3.66E-04	-2.99E-04	2.86E-04
2.93E+02	-3.86E-04	-2.44E-04	1.79E-04
2.93E+02	-3.89E-04	-1.92E-04	8.72E-05
2.93E+02	-3.91E-04	-1.25E-04	6.28E-05
2.93E+02	-3.88E-04	-8.37E-05	-1.68E-05
2.93E+02	-4.23E-04	-4.18E-05	-8.26E-05
2.93E+02	-4.96E-04	1.05E-05	-1.01E-04
2.93E+02	-5.34E-04	6.29E-05	-1.17E-04
2.93E+02	-5.86E-04	1.15E-04	-9.65E-05
2.93E+02	-6.50E-04	1.20E-04	-8.93E-05
2.93E+02	-6.67E-04	1.01E-04	-2.06E-05
2.93E+02	-6.47E-04	7.92E-05	1.64E-04
2.93E+02	-6.04E-04	-3.81E-07	3.12E-04
2.93E+02	-5.87E-04	-1.21E-04	4.16E-04
2.93E+02	-5.95E-04	-2.64E-04	4.69E-04
2.93E+02	-5.49E-04	-4.15E-04	4.45E-04
2.93E+02	-4.74E-04	-5.35E-04	4.61E-04
2.93E+02	-4.32E-04	-6.50E-04	4.48E-04
2.93E+02	-3.69E-04	-7.32E-04	4.04E-04
2.93E+02	-2.74E-04	-7.38E-04	4.43E-04
2.93E+02	-1.86E-04	-7.31E-04	4.35E-04
2.93E+02	-1.14E-04	-7.21E-04	3.90E-04
2.93E+02	-8.87E-05	-7.02E-04	3.73E-04
2.93E+02	-6.28E-05	-6.79E-04	3.57E-04
2.93E+02	-4.65E-05	-6.37E-04	3.81E-04
2.93E+02	-9.99E-05	-6.24E-04	3.35E-04
2.93E+02	-1.62E-04	-6.23E-04	2.42E-04
2.93E+02	-2.11E-04	-5.83E-04	2.32E-04
2.93E+02	-2.63E-04	-5.40E-04	2.05E-04
2.93E+02	-3.46E-04	-5.09E-04	1.79E-04
2.93E+02	-4.70E-04	-4.78E-04	1.84E-04
2.93E+02	-5.33E-04	-4.21E-04	1.81E-04
2.93E+02	-5.71E-04	-3.32E-04	2.21E-04
2.93E+02	-6.46E-04	-2.81E-04	2.25E-04
2.93E+02	-6.75E-04	-2.35E-04	2.46E-04
2.93E+02	-6.68E-04	-1.67E-04	3.62E-04
2.93E+02	-6.34E-04	-1.40E-04	4.06E-04

2.93E+02	-5.73E-04	-1.31E-04	4.07E-04
2.93E+02	-5.31E-04	-1.34E-04	4.15E-04
2.93E+02	-4.55E-04	-1.50E-04	3.76E-04
2.93E+02	-3.67E-04	-1.48E-04	3.44E-04
2.93E+02	-3.38E-04	-1.68E-04	2.61E-04
2.93E+02	-3.07E-04	-2.06E-04	1.41E-04
2.93E+02	-2.64E-04	-2.08E-04	1.12E-04
2.93E+02	-2.20E-04	-2.08E-04	8.66E-05
2.93E+02	-1.80E-04	-2.31E-04	3.85E-05
2.93E+02	-1.82E-04	-2.62E-04	-1.53E-06
2.93E+02	-1.52E-04	-3.02E-04	-9.12E-05
2.93E+02	-8.14E-05	-3.34E-04	-1.66E-04
2.93E+02	-5.47E-05	-3.83E-04	-2.17E-04
2.93E+02	-2.96E-05	-4.39E-04	-2.33E-04
2.93E+02	4.96E-06	-4.51E-04	-1.27E-04
2.93E+02	4.02E-05	-4.59E-04	-2.46E-05
2.93E+02	5.78E-05	-4.60E-04	2.67E-05
2.93E+02	-3.81E-06	-4.41E-04	8.54E-05
2.93E+02	-5.80E-05	-3.87E-04	1.03E-04
2.93E+02	-8.77E-05	-2.63E-04	1.23E-04
2.93E+02	-1.46E-04	-1.42E-04	1.20E-04
2.93E+02	-1.71E-04	-3.64E-05	8.60E-05
2.93E+02	-1.71E-04	7.61E-05	1.24E-04
2.93E+02	-1.21E-04	1.57E-04	1.77E-04
2.93E+02	-3.45E-05	2.06E-04	1.95E-04
2.93E+02	-1.16E-05	1.94E-04	1.75E-04
2.93E+02	1.75E-05	1.36E-04	8.39E-05
2.93E+02	6.96E-05	9.17E-05	-1.03E-05
2.93E+02	5.07E-05	3.85E-05	-1.14E-04
2.93E+02	-1.22E-05	-1.77E-05	-2.53E-04
2.93E+02	-9.12E-05	-3.15E-05	-2.78E-04
2.93E+02	-1.66E-04	-1.56E-05	-2.20E-04
2.93E+02	-2.24E-04	-4.20E-06	-1.83E-04
2.93E+02	-3.08E-04	2.48E-06	-1.08E-04
2.93E+02	-3.65E-04	1.14E-05	-2.52E-05
2.93E+02	-3.64E-04	2.99E-05	6.83E-05
2.93E+02	-3.92E-04	2.63E-05	1.48E-04
2.93E+02	-4.20E-04	-2.56E-05	1.44E-04
2.93E+02	-4.00E-04	-7.36E-05	1.59E-04
2.93E+02	-3.52E-04	-1.04E-04	1.91E-04
2.93E+02	-2.91E-04	-1.40E-04	1.88E-04
2.93E+02	-2.76E-04	-1.66E-04	2.02E-04
2.93E+02	-2.43E-04	-1.71E-04	1.99E-04
2.93E+02	-1.43E-04	-1.55E-04	1.72E-04
2.93E+02	-7.00E-05	-1.44E-04	1.30E-04
2.93E+02	-1.53E-06	-1.49E-04	1.54E-05
2.93E+02	5.74E-05	-1.39E-04	-9.88E-05

2.93E+02	8.11E-05	-1.04E-04	-1.87E-04
2.94E+02	9.10E-05	-6.90E-05	-2.94E-04
2.94E+02	1.81E-05	-4.81E-05	-3.47E-04
2.94E+02	-1.01E-04	-2.19E-05	-3.31E-04
2.94E+02	-1.89E-04	2.23E-05	-2.72E-04
2.94E+02	-3.03E-04	4.69E-05	-2.24E-04
2.94E+02	-4.27E-04	3.60E-05	-2.65E-04
2.94E+02	-4.98E-04	3.87E-05	-2.45E-04
2.94E+02	-5.28E-04	5.97E-05	-1.59E-04
2.94E+02	-5.26E-04	7.82E-05	-1.36E-04
2.94E+02	-5.47E-04	8.18E-05	-1.17E-04
2.94E+02	-5.77E-04	5.97E-05	-1.19E-04
2.94E+02	-5.56E-04	2.80E-05	-1.39E-04
2.94E+02	-5.71E-04	-4.12E-05	-1.25E-04
2.94E+02	-6.19E-04	-1.61E-04	-1.32E-04
2.94E+02	-6.42E-04	-2.60E-04	-8.87E-05
2.94E+02	-6.69E-04	-3.20E-04	-1.28E-05
2.94E+02	-6.84E-04	-3.51E-04	-1.54E-05
2.94E+02	-7.14E-04	-3.30E-04	7.63E-06
2.94E+02	-7.28E-04	-2.64E-04	7.93E-05
2.94E+02	-6.57E-04	-1.48E-04	1.68E-04
2.94E+02	-5.89E-04	-3.38E-05	2.52E-04
2.94E+02	-5.45E-04	4.39E-06	2.26E-04
2.94E+02	-4.80E-04	1.37E-05	1.54E-04
2.94E+02	-4.23E-04	-4.39E-06	7.19E-05
2.94E+02	-3.69E-04	-6.47E-05	-5.13E-05
2.94E+02	-3.66E-04	-1.14E-04	-1.23E-04
2.94E+02	-4.01E-04	-1.47E-04	-1.54E-04
2.94E+02	-4.00E-04	-1.50E-04	-1.58E-04
2.94E+02	-4.20E-04	-1.23E-04	-1.21E-04
2.94E+02	-4.67E-04	-1.07E-04	-1.38E-04
2.94E+02	-5.01E-04	-8.41E-05	-1.54E-04
2.94E+02	-5.10E-04	-4.77E-05	-1.21E-04
2.94E+02	-4.64E-04	-4.10E-05	-1.43E-04
2.94E+02	-4.21E-04	-5.13E-05	-1.63E-04
2.94E+02	-3.97E-04	-6.08E-05	-1.57E-04
2.94E+02	-3.25E-04	-6.28E-05	-1.80E-04
2.94E+02	-2.73E-04	-6.77E-05	-2.05E-04
2.94E+02	-2.67E-04	-1.19E-04	-2.87E-04
2.94E+02	-2.58E-04	-1.65E-04	-3.68E-04
2.94E+02	-2.65E-04	-1.72E-04	-3.70E-04
2.94E+02	-2.80E-04	-1.73E-04	-3.90E-04
2.94E+02	-3.51E-04	-1.29E-04	-4.01E-04
2.94E+02	-4.74E-04	-6.24E-05	-3.93E-04
2.94E+02	-5.37E-04	1.74E-05	-3.98E-04
2.94E+02	-5.94E-04	1.13E-04	-3.57E-04
2.94E+02	-6.74E-04	1.47E-04	-3.37E-04

2.94E+02	-7.23E-04	1.29E-04	-3.28E-04
2.94E+02	-7.51E-04	1.00E-04	-2.45E-04
2.94E+02	-7.17E-04	4.56E-05	-1.82E-04
2.94E+02	-6.83E-04	-3.83E-05	-1.52E-04
2.94E+02	-6.80E-04	-1.19E-04	-7.97E-05
2.94E+02	-6.12E-04	-1.51E-04	2.27E-05
2.94E+02	-5.54E-04	-1.61E-04	1.35E-04
2.94E+02	-5.49E-04	-1.90E-04	1.74E-04
2.94E+02	-5.35E-04	-2.18E-04	1.44E-04
2.94E+02	-5.19E-04	-2.18E-04	1.27E-04
2.94E+02	-4.95E-04	-1.90E-04	4.84E-05
2.94E+02	-4.94E-04	-1.52E-04	-6.48E-05
2.94E+02	-5.38E-04	-1.06E-04	-1.60E-04
2.94E+02	-5.42E-04	-4.33E-05	-2.80E-04
2.94E+02	-5.18E-04	2.29E-05	-3.63E-04
2.94E+02	-5.21E-04	3.68E-05	-4.44E-04
2.94E+02	-5.15E-04	2.42E-05	-5.02E-04
2.94E+02	-4.96E-04	2.78E-05	-4.12E-04
2.94E+02	-4.59E-04	1.74E-05	-3.18E-04
2.94E+02	-4.40E-04	-9.35E-06	-2.66E-04
2.94E+02	-4.85E-04	-4.02E-05	-1.58E-04
2.94E+02	-5.12E-04	-5.11E-05	-4.71E-05
2.94E+02	-5.18E-04	-4.06E-05	5.76E-05
2.94E+02	-5.77E-04	-6.33E-05	7.74E-05
2.94E+02	-6.32E-04	-9.16E-05	2.50E-05
2.94E+02	-6.55E-04	-8.54E-05	3.70E-05
2.94E+02	-6.41E-04	-6.22E-05	5.59E-05
2.94E+02	-5.94E-04	-1.53E-05	9.84E-05
2.94E+02	-5.82E-04	1.72E-05	1.47E-04
2.94E+02	-5.38E-04	3.55E-05	1.26E-04
2.94E+02	-4.48E-04	8.72E-05	1.06E-04
2.94E+02	-4.03E-04	1.18E-04	3.95E-05
2.94E+02	-3.54E-04	1.33E-04	-6.12E-05
2.94E+02	-2.90E-04	1.72E-04	-8.01E-05
2.94E+02	-2.12E-04	1.87E-04	-9.33E-05
2.94E+02	-1.26E-04	1.89E-04	-1.24E-04
2.94E+02	-1.07E-04	1.70E-04	-1.20E-04
2.94E+02	-9.17E-05	1.30E-04	-1.21E-04
2.94E+02	-6.22E-05	1.29E-04	-9.35E-05
2.94E+02	-9.59E-05	9.96E-05	-6.79E-05
2.94E+02	-1.51E-04	2.80E-05	-8.87E-05
2.94E+02	-1.97E-04	-8.58E-06	-3.72E-05
2.94E+02	-2.34E-04	-3.34E-05	5.44E-05
2.94E+02	-2.63E-04	-5.91E-05	1.13E-04
2.94E+02	-3.49E-04	-9.21E-05	1.42E-04
2.94E+02	-4.21E-04	-1.29E-04	8.85E-05
2.94E+02	-4.19E-04	-1.34E-04	3.13E-05

2.94E+02	-4.33E-04	-1.36E-04	-1.39E-05
2.94E+02	-4.37E-04	-1.56E-04	-9.23E-05
2.94E+02	-4.07E-04	-1.67E-04	-9.57E-05
2.94E+02	-3.70E-04	-1.73E-04	-7.36E-05
2.94E+02	-3.32E-04	-1.75E-04	-8.60E-05
2.94E+02	-3.50E-04	-1.70E-04	-3.59E-05
2.94E+02	-3.71E-04	-1.42E-04	5.93E-05
2.94E+02	-3.54E-04	-5.49E-05	2.02E-04
2.94E+02	-3.73E-04	2.48E-05	3.49E-04
2.94E+02	-4.04E-04	6.64E-05	3.96E-04
2.94E+02	-4.10E-04	1.55E-04	4.44E-04
2.94E+02	-4.10E-04	2.64E-04	4.52E-04
2.94E+02	-4.07E-04	3.76E-04	3.36E-04
2.94E+02	-4.45E-04	5.04E-04	2.19E-04
2.94E+02	-4.86E-04	6.00E-04	8.26E-05
2.94E+02	-4.66E-04	7.00E-04	-3.15E-05
2.94E+02	-4.76E-04	7.43E-04	-1.07E-04
2.94E+02	-5.09E-04	7.16E-04	-1.94E-04
2.94E+02	-5.27E-04	6.91E-04	-1.68E-04
2.94E+02	-5.63E-04	6.00E-04	-1.19E-04
2.94E+02	-5.76E-04	4.90E-04	-1.55E-04
2.94E+02	-6.18E-04	3.92E-04	-1.90E-04
2.94E+02	-6.62E-04	2.97E-04	-2.00E-04
2.94E+02	-6.16E-04	2.70E-04	-1.90E-04
2.94E+02	-5.71E-04	2.31E-04	-2.08E-04
2.94E+02	-5.22E-04	1.54E-04	-2.64E-04
2.94E+02	-4.13E-04	9.31E-05	-2.59E-04
2.94E+02	-2.69E-04	2.46E-05	-1.79E-04
2.94E+02	-1.04E-04	-3.70E-05	-7.32E-05
2.94E+02	2.04E-05	-7.88E-05	5.34E-05
2.94E+02	1.03E-04	-1.32E-04	1.60E-04
2.94E+02	2.00E-04	-1.48E-04	2.33E-04
2.94E+02	2.42E-04	-1.47E-04	2.89E-04
2.94E+02	2.06E-04	-1.83E-04	2.84E-04
2.94E+02	1.45E-04	-2.14E-04	2.72E-04
2.94E+02	5.86E-05	-2.36E-04	2.87E-04
2.94E+02	-1.74E-05	-2.46E-04	2.53E-04
2.94E+02	-1.38E-04	-2.54E-04	1.76E-04
2.94E+02	-3.01E-04	-2.51E-04	8.96E-05
2.94E+02	-4.02E-04	-1.94E-04	2.48E-05
2.94E+02	-5.02E-04	-1.38E-04	-1.68E-05
2.94E+02	-6.17E-04	-1.29E-04	-1.07E-04
2.94E+02	-6.98E-04	-1.15E-04	-1.51E-04
2.94E+02	-7.37E-04	-7.82E-05	-8.75E-05
2.94E+02	-7.27E-04	-3.19E-05	-2.52E-05
2.94E+02	-7.27E-04	2.29E-05	4.14E-05
2.94E+02	-7.16E-04	8.09E-05	1.01E-04

2.94E+02	-6.30E-04	1.65E-04	1.49E-04
2.94E+02	-5.39E-04	2.68E-04	2.06E-04
2.94E+02	-4.74E-04	3.35E-04	1.76E-04
2.94E+02	-3.99E-04	3.60E-04	1.14E-04
2.94E+02	-3.24E-04	3.69E-04	1.00E-04
2.94E+02	-2.55E-04	3.38E-04	4.37E-05
2.94E+02	-2.33E-04	2.71E-04	-2.04E-05
2.94E+02	-2.68E-04	2.03E-04	-6.03E-05
2.94E+02	-2.82E-04	1.58E-04	-8.85E-05
2.94E+02	-3.03E-04	1.51E-04	-7.48E-05
2.94E+02	-3.73E-04	1.07E-04	-1.34E-04
2.94E+02	-4.19E-04	6.41E-05	-2.04E-04
2.94E+02	-4.26E-04	8.47E-05	-1.66E-04
2.94E+02	-4.14E-04	8.91E-05	-1.66E-04
2.94E+02	-3.88E-04	8.91E-05	-1.83E-04
2.94E+02	-3.52E-04	8.91E-05	-1.44E-04
2.94E+02	-2.40E-04	9.38E-05	-1.16E-04
2.94E+02	-9.69E-05	1.17E-04	-6.96E-05
2.94E+02	3.43E-06	1.11E-04	-4.52E-05
2.94E+02	1.05E-04	1.19E-04	-3.74E-05
2.94E+02	1.96E-04	1.64E-04	2.67E-05
2.94E+02	2.71E-04	2.15E-04	4.83E-05
2.94E+02	3.03E-04	2.77E-04	6.45E-05
2.94E+02	2.47E-04	3.40E-04	1.23E-04
2.94E+02	2.04E-04	4.19E-04	1.53E-04
2.94E+02	1.64E-04	5.24E-04	2.05E-04
2.94E+02	7.38E-05	6.03E-04	2.13E-04
2.94E+02	1.72E-05	6.70E-04	1.69E-04
2.94E+02	-2.84E-05	7.28E-04	1.70E-04
2.94E+02	-5.44E-05	7.47E-04	1.61E-04
2.94E+02	-5.80E-05	7.56E-04	1.57E-04
2.94E+02	-1.11E-04	7.34E-04	1.62E-04
2.94E+02	-1.14E-04	6.79E-04	1.18E-04
2.94E+02	-8.35E-05	6.28E-04	8.30E-05
2.94E+02	-9.52E-05	5.45E-04	2.14E-05
2.94E+02	-9.42E-05	4.64E-04	-7.04E-05
2.94E+02	-8.37E-05	4.28E-04	-8.30E-05
2.94E+02	-3.45E-05	4.02E-04	-9.40E-05
2.94E+02	2.57E-05	3.95E-04	-1.21E-04
2.94E+02	3.91E-05	3.96E-04	-7.92E-05
2.94E+02	9.04E-05	4.15E-04	-1.72E-06
2.94E+02	1.69E-04	4.73E-04	1.05E-04
2.94E+02	1.82E-04	4.88E-04	1.62E-04
2.94E+02	1.64E-04	4.69E-04	1.35E-04
2.94E+02	1.56E-04	4.90E-04	1.42E-04
2.94E+02	1.56E-04	5.22E-04	1.64E-04
2.94E+02	1.37E-04	5.72E-04	1.59E-04

2.94E+02	6.43E-05	6.35E-04	1.48E-04
2.94E+02	1.35E-05	7.00E-04	1.40E-04
2.94E+02	5.34E-06	7.88E-04	1.96E-04
2.94E+02	-3.78E-05	8.44E-04	2.64E-04
2.94E+02	-8.26E-05	8.71E-04	2.82E-04
2.94E+02	-1.08E-04	9.09E-04	3.26E-04
2.94E+02	-1.28E-04	9.29E-04	3.39E-04
2.94E+02	-1.46E-04	9.21E-04	2.67E-04
2.94E+02	-2.14E-04	9.05E-04	1.92E-04
2.94E+02	-2.77E-04	8.89E-04	1.14E-04
2.94E+02	-2.94E-04	9.03E-04	6.12E-05
2.94E+02	-3.31E-04	9.20E-04	4.27E-05
2.94E+02	-3.53E-04	9.20E-04	2.88E-05
2.95E+02	-3.47E-04	9.57E-04	9.52E-05
2.95E+02	-3.30E-04	1.00E-03	1.71E-04
2.95E+02	-3.03E-04	1.03E-03	1.73E-04
2.95E+02	-3.31E-04	1.08E-03	1.68E-04
2.95E+02	-3.49E-04	1.13E-03	1.09E-04
2.95E+02	-2.91E-04	1.22E-03	1.79E-05
2.95E+02	-2.38E-04	1.31E-03	-2.65E-05
2.95E+02	-1.79E-04	1.36E-03	-5.87E-05
2.95E+02	-9.17E-05	1.38E-03	1.39E-05
2.95E+02	9.73E-06	1.38E-03	1.46E-04
2.95E+02	1.17E-04	1.31E-03	1.66E-04
2.95E+02	1.74E-04	1.21E-03	1.78E-04
2.95E+02	2.08E-04	1.12E-03	2.05E-04
2.95E+02	2.45E-04	1.06E-03	2.02E-04
2.95E+02	2.20E-04	1.03E-03	1.91E-04
2.95E+02	1.60E-04	9.68E-04	1.03E-04
2.95E+02	1.08E-04	9.01E-04	4.33E-05
2.95E+02	5.99E-05	8.54E-04	3.36E-05
2.95E+02	2.46E-05	7.88E-04	-1.22E-05
2.95E+02	-3.28E-05	7.29E-04	-1.11E-05
2.95E+02	-7.90E-05	6.79E-04	3.81E-07
2.95E+02	-4.83E-05	6.64E-04	0.00E+00
2.95E+02	-1.93E-05	6.75E-04	1.37E-05
2.95E+02	-1.22E-05	6.76E-04	-1.91E-05
2.95E+02	1.09E-05	7.31E-04	-9.92E-06
2.95E+02	4.52E-05	8.17E-04	3.24E-05
2.95E+02	1.20E-04	8.99E-04	1.49E-05
2.95E+02	1.68E-04	9.84E-04	1.66E-05
2.95E+02	1.87E-04	1.05E-03	4.96E-05
2.95E+02	2.68E-04	1.13E-03	1.11E-04
2.95E+02	3.23E-04	1.18E-03	1.58E-04
2.95E+02	3.27E-04	1.16E-03	8.09E-05
2.95E+02	3.36E-04	1.11E-03	-1.93E-05
2.95E+02	3.40E-04	1.03E-03	-3.87E-05

2.95E+02	3.53E-04	9.47E-04	-2.54E-05
2.95E+02	3.30E-04	8.55E-04	1.72E-05
2.95E+02	2.81E-04	7.72E-04	6.07E-05
2.95E+02	2.79E-04	7.29E-04	9.29E-05
2.95E+02	2.70E-04	7.14E-04	1.35E-04
2.95E+02	2.33E-04	6.96E-04	8.66E-05
2.95E+02	2.00E-04	6.82E-04	2.23E-05
2.95E+02	1.74E-04	6.84E-04	3.78E-05
2.95E+02	1.76E-04	6.74E-04	7.63E-06
2.95E+02	1.61E-04	6.53E-04	-1.91E-05
2.95E+02	1.23E-04	6.56E-04	5.72E-07
2.95E+02	1.58E-04	7.08E-04	3.51E-05
2.95E+02	2.05E-04	7.83E-04	9.48E-05
2.95E+02	2.11E-04	8.20E-04	1.00E-04
2.95E+02	2.40E-04	8.57E-04	1.24E-04
2.95E+02	2.79E-04	9.12E-04	2.12E-04
2.95E+02	3.23E-04	9.33E-04	2.44E-04
2.95E+02	3.39E-04	9.15E-04	2.51E-04
2.95E+02	3.00E-04	8.60E-04	2.50E-04
2.95E+02	3.06E-04	7.89E-04	1.98E-04
2.95E+02	3.28E-04	7.31E-04	1.43E-04
2.95E+02	3.20E-04	6.51E-04	4.90E-05
2.95E+02	3.51E-04	5.64E-04	-5.89E-05
2.95E+02	4.04E-04	5.09E-04	-1.02E-04
2.95E+02	4.72E-04	4.64E-04	-1.86E-04
2.95E+02	5.25E-04	4.35E-04	-2.78E-04
2.95E+02	5.22E-04	4.38E-04	-2.78E-04
2.95E+02	5.43E-04	4.79E-04	-2.30E-04
2.95E+02	5.53E-04	5.48E-04	-1.12E-04
2.95E+02	5.12E-04	5.73E-04	-1.95E-05
2.95E+02	4.80E-04	5.52E-04	4.02E-05
2.95E+02	4.52E-04	5.25E-04	1.84E-04
2.95E+02	4.37E-04	4.65E-04	2.86E-04
2.95E+02	4.16E-04	4.02E-04	3.31E-04
2.95E+02	3.64E-04	3.68E-04	3.79E-04
2.95E+02	3.47E-04	3.43E-04	3.59E-04
2.95E+02	3.48E-04	3.59E-04	2.96E-04
2.95E+02	3.07E-04	3.81E-04	1.68E-04
2.95E+02	2.56E-04	4.16E-04	7.25E-06
2.95E+02	2.23E-04	5.11E-04	-6.43E-05
2.95E+02	1.91E-04	5.77E-04	-1.56E-04
2.95E+02	1.53E-04	6.21E-04	-2.68E-04
2.95E+02	8.24E-05	6.58E-04	-2.78E-04
2.95E+02	2.56E-05	6.47E-04	-2.36E-04
2.95E+02	-9.35E-06	6.10E-04	-1.35E-04
2.95E+02	-8.56E-05	4.98E-04	-6.01E-05
2.95E+02	-1.46E-04	3.51E-04	-6.77E-05

2.95E+02	-1.59E-04	2.41E-04	-2.69E-05
2.95E+02	-1.30E-04	1.48E-04	5.15E-06
2.95E+02	-8.91E-05	9.69E-05	6.87E-06
2.95E+02	-8.11E-05	6.94E-05	3.62E-05
2.95E+02	-2.61E-05	6.60E-05	4.04E-05
2.95E+02	6.35E-05	1.00E-04	6.96E-05
2.95E+02	1.26E-04	1.26E-04	9.77E-05
2.95E+02	2.00E-04	1.49E-04	8.89E-05
2.95E+02	2.77E-04	2.02E-04	1.45E-04
2.95E+02	3.46E-04	2.59E-04	1.81E-04
2.95E+02	3.94E-04	2.97E-04	1.55E-04
2.95E+02	3.69E-04	3.31E-04	1.50E-04
2.95E+02	3.29E-04	3.84E-04	1.42E-04
2.95E+02	3.15E-04	4.84E-04	1.56E-04
2.95E+02	2.55E-04	5.65E-04	1.43E-04
2.95E+02	1.96E-04	6.02E-04	7.40E-05
2.95E+02	1.93E-04	6.57E-04	7.31E-05
2.95E+02	2.11E-04	6.65E-04	6.07E-05
2.95E+02	2.54E-04	6.17E-04	-8.39E-06
2.95E+02	2.68E-04	5.45E-04	-4.23E-05
2.95E+02	2.76E-04	4.26E-04	-8.28E-05
2.95E+02	3.31E-04	3.19E-04	-9.96E-05
2.95E+02	3.37E-04	2.14E-04	-7.97E-05
2.95E+02	3.22E-04	1.11E-04	-6.94E-05
2.95E+02	3.38E-04	7.88E-05	1.62E-05
2.95E+02	3.66E-04	8.13E-05	1.19E-04
2.95E+02	4.13E-04	1.02E-04	1.43E-04
2.95E+02	4.36E-04	1.50E-04	1.68E-04
2.95E+02	4.82E-04	2.08E-04	1.86E-04
2.95E+02	5.83E-04	2.95E-04	2.02E-04
2.95E+02	6.48E-04	3.56E-04	2.04E-04
2.95E+02	6.90E-04	3.49E-04	1.44E-04
2.95E+02	7.31E-04	3.24E-04	1.35E-04
2.95E+02	7.43E-04	2.66E-04	1.68E-04
2.95E+02	7.30E-04	1.67E-04	1.54E-04
2.95E+02	6.44E-04	6.07E-05	1.32E-04
2.95E+02	5.36E-04	-4.98E-05	8.20E-05
2.95E+02	4.72E-04	-1.16E-04	2.04E-05
2.95E+02	3.88E-04	-1.57E-04	-3.74E-05
2.95E+02	3.07E-04	-2.18E-04	-1.47E-04
2.95E+02	2.78E-04	-2.49E-04	-2.04E-04
2.95E+02	2.98E-04	-2.76E-04	-1.83E-04
2.95E+02	3.72E-04	-3.28E-04	-1.99E-04
2.95E+02	4.40E-04	-3.84E-04	-1.91E-04
2.95E+02	4.88E-04	-4.38E-04	-1.73E-04
2.95E+02	5.62E-04	-4.38E-04	-1.64E-04
2.95E+02	6.05E-04	-3.99E-04	-1.26E-04

2.95E+02	5.85E-04	-3.76E-04	-1.52E-04
2.95E+02	5.58E-04	-3.48E-04	-1.42E-04
2.95E+02	5.20E-04	-3.18E-04	-3.99E-05
2.95E+02	4.50E-04	-3.03E-04	1.24E-05
2.95E+02	3.34E-04	-2.92E-04	5.11E-05
2.95E+02	2.09E-04	-2.74E-04	8.22E-05
2.95E+02	1.54E-04	-2.23E-04	9.56E-05
2.95E+02	1.19E-04	-1.36E-04	1.45E-04
2.95E+02	9.59E-05	-5.68E-05	1.51E-04
2.95E+02	1.35E-04	2.82E-05	1.58E-04
2.95E+02	2.20E-04	1.06E-04	2.06E-04
2.95E+02	3.56E-04	1.39E-04	1.98E-04
2.95E+02	4.81E-04	1.37E-04	1.95E-04
2.95E+02	5.73E-04	9.99E-05	2.11E-04
2.95E+02	7.00E-04	7.06E-05	2.26E-04
2.95E+02	7.74E-04	1.77E-05	2.15E-04
2.95E+02	7.64E-04	-9.86E-05	6.81E-05
2.95E+02	7.60E-04	-1.88E-04	-8.39E-05
2.95E+02	7.48E-04	-2.33E-04	-1.53E-04
2.95E+02	7.46E-04	-2.44E-04	-2.20E-04
2.95E+02	7.30E-04	-2.12E-04	-2.29E-04
2.95E+02	6.78E-04	-1.73E-04	-2.10E-04
2.95E+02	6.89E-04	-1.23E-04	-2.19E-04
2.95E+02	7.10E-04	-7.38E-05	-1.94E-04
2.95E+02	6.84E-04	-8.01E-05	-1.73E-04
2.95E+02	6.83E-04	-1.16E-04	-1.23E-04
2.95E+02	6.93E-04	-1.53E-04	-1.56E-05
2.95E+02	7.15E-04	-2.21E-04	-7.63E-07
2.95E+02	7.22E-04	-3.10E-04	-6.14E-05
2.95E+02	6.95E-04	-3.98E-04	-1.17E-04
2.95E+02	7.19E-04	-4.55E-04	-1.54E-04
2.95E+02	7.47E-04	-4.80E-04	-1.22E-04
2.95E+02	7.35E-04	-5.37E-04	-1.17E-04
2.95E+02	7.26E-04	-6.07E-04	-1.51E-04
2.95E+02	7.07E-04	-6.51E-04	-1.21E-04
2.95E+02	6.95E-04	-6.97E-04	-1.23E-04
2.95E+02	6.70E-04	-7.30E-04	-1.51E-04
2.95E+02	6.16E-04	-7.37E-04	-1.49E-04
2.95E+02	6.09E-04	-7.17E-04	-1.61E-04
2.95E+02	6.43E-04	-6.52E-04	-1.13E-04
2.95E+02	6.71E-04	-5.96E-04	-5.89E-05
2.95E+02	7.01E-04	-5.73E-04	-3.07E-05
2.95E+02	7.51E-04	-5.48E-04	8.43E-05
2.95E+02	8.08E-04	-5.54E-04	1.54E-04
2.95E+02	8.27E-04	-5.77E-04	1.54E-04
2.95E+02	7.94E-04	-5.75E-04	1.50E-04
2.95E+02	7.89E-04	-5.31E-04	1.11E-04

2.95E+02	8.15E-04	-4.38E-04	1.07E-04
2.95E+02	7.99E-04	-3.66E-04	8.03E-05
2.95E+02	7.96E-04	-3.30E-04	1.93E-05
2.95E+02	8.12E-04	-3.06E-04	2.10E-06
2.95E+02	8.38E-04	-3.21E-04	-7.57E-05
2.95E+02	8.64E-04	-3.72E-04	-2.00E-04
2.95E+02	8.36E-04	-4.53E-04	-3.12E-04
2.95E+02	8.49E-04	-5.18E-04	-4.08E-04
2.95E+02	8.77E-04	-5.54E-04	-4.36E-04
2.95E+02	8.30E-04	-6.09E-04	-4.62E-04
2.95E+02	7.84E-04	-6.45E-04	-4.94E-04
2.95E+02	7.33E-04	-6.49E-04	-4.49E-04
2.95E+02	6.82E-04	-6.58E-04	-4.04E-04
2.95E+02	6.22E-04	-6.62E-04	-3.83E-04
2.95E+02	5.06E-04	-6.68E-04	-3.39E-04
2.95E+02	4.18E-04	-6.48E-04	-3.05E-04
2.95E+02	3.62E-04	-5.80E-04	-2.21E-04
2.95E+02	2.91E-04	-5.28E-04	-1.12E-04
2.95E+02	2.59E-04	-4.98E-04	-2.86E-05
2.95E+02	2.90E-04	-4.50E-04	1.09E-04
2.95E+02	3.73E-04	-4.02E-04	2.17E-04
2.95E+02	4.75E-04	-3.61E-04	2.33E-04
2.95E+02	5.46E-04	-3.34E-04	2.04E-04
2.95E+02	6.45E-04	-3.26E-04	1.16E-04
2.95E+02	7.66E-04	-3.24E-04	4.46E-05
2.96E+02	8.11E-04	-3.57E-04	-2.00E-05
2.96E+02	8.16E-04	-4.26E-04	-1.26E-04
2.96E+02	8.19E-04	-4.82E-04	-1.77E-04
2.96E+02	8.11E-04	-5.23E-04	-2.16E-04
2.96E+02	8.02E-04	-5.60E-04	-2.85E-04
2.96E+02	7.54E-04	-5.86E-04	-3.41E-04
2.96E+02	7.37E-04	-5.96E-04	-4.01E-04
2.96E+02	7.64E-04	-5.81E-04	-4.20E-04
2.96E+02	7.47E-04	-5.92E-04	-4.33E-04
2.96E+02	7.28E-04	-6.59E-04	-4.85E-04
2.96E+02	7.03E-04	-7.46E-04	-4.94E-04
2.96E+02	6.62E-04	-8.38E-04	-4.95E-04
2.96E+02	6.20E-04	-9.03E-04	-5.23E-04
2.96E+02	5.28E-04	-9.28E-04	-5.26E-04
2.96E+02	4.76E-04	-9.06E-04	-5.13E-04
2.96E+02	4.82E-04	-8.26E-04	-4.41E-04
2.96E+02	4.51E-04	-7.37E-04	-3.36E-04
2.96E+02	4.17E-04	-6.68E-04	-2.86E-04
2.96E+02	4.05E-04	-6.06E-04	-2.13E-04
2.96E+02	4.11E-04	-5.61E-04	-1.42E-04
2.96E+02	4.36E-04	-5.58E-04	-1.47E-04
2.96E+02	4.33E-04	-5.65E-04	-1.35E-04

2.96E+02	4.38E-04	-5.42E-04	-1.03E-04
2.96E+02	4.85E-04	-4.75E-04	-6.05E-05
2.96E+02	5.03E-04	-3.98E-04	-4.06E-05
2.96E+02	4.97E-04	-3.52E-04	-1.18E-04
2.96E+02	5.05E-04	-3.10E-04	-1.67E-04
2.96E+02	5.02E-04	-2.78E-04	-1.83E-04
2.96E+02	4.80E-04	-2.70E-04	-2.65E-04
2.96E+02	4.17E-04	-2.61E-04	-3.49E-04
2.96E+02	3.65E-04	-2.37E-04	-4.28E-04
2.96E+02	3.75E-04	-1.84E-04	-4.49E-04
2.96E+02	3.85E-04	-1.23E-04	-3.92E-04
2.96E+02	3.79E-04	-1.02E-04	-3.73E-04
2.96E+02	4.10E-04	-8.11E-05	-3.17E-04
2.96E+02	5.00E-04	-3.38E-05	-2.30E-04
2.96E+02	6.07E-04	-2.71E-05	-2.25E-04
2.96E+02	6.88E-04	-4.48E-05	-2.04E-04
2.96E+02	7.65E-04	-5.23E-05	-1.65E-04
2.96E+02	8.44E-04	-4.58E-05	-1.30E-04
2.96E+02	8.69E-04	-5.00E-05	-9.04E-05
2.96E+02	8.34E-04	-9.86E-05	-1.08E-04
2.96E+02	7.87E-04	-1.39E-04	-8.89E-05
2.96E+02	7.40E-04	-1.67E-04	-2.48E-05
2.96E+02	6.78E-04	-1.96E-04	-1.56E-05
2.96E+02	5.64E-04	-2.25E-04	-2.46E-05
2.96E+02	4.41E-04	-2.73E-04	-8.05E-05
2.96E+02	3.86E-04	-3.03E-04	-1.71E-04
2.96E+02	3.50E-04	-3.44E-04	-2.41E-04
2.96E+02	3.18E-04	-4.52E-04	-3.24E-04
2.96E+02	3.31E-04	-5.68E-04	-3.34E-04
2.96E+02	3.72E-04	-6.82E-04	-2.62E-04
2.96E+02	4.49E-04	-8.06E-04	-2.30E-04
2.96E+02	5.13E-04	-9.00E-04	-1.97E-04
2.96E+02	5.67E-04	-9.46E-04	-1.53E-04
2.96E+02	6.76E-04	-9.10E-04	-1.26E-04
2.96E+02	7.62E-04	-7.97E-04	-1.28E-04
2.96E+02	8.17E-04	-6.58E-04	-1.87E-04
2.96E+02	8.67E-04	-4.97E-04	-2.26E-04
2.96E+02	8.85E-04	-3.42E-04	-1.94E-04
2.96E+02	9.06E-04	-2.32E-04	-1.63E-04
2.96E+02	8.76E-04	-1.75E-04	-1.39E-04
2.96E+02	7.95E-04	-1.56E-04	-1.04E-04
2.96E+02	7.62E-04	-1.50E-04	-8.05E-05
2.96E+02	7.30E-04	-1.47E-04	-6.52E-05
2.96E+02	6.66E-04	-1.79E-04	-1.08E-04
2.96E+02	6.28E-04	-2.13E-04	-1.73E-04
2.96E+02	6.07E-04	-2.39E-04	-1.81E-04
2.96E+02	6.03E-04	-2.98E-04	-2.42E-04

2.96E+02	5.78E-04	-3.69E-04	-3.16E-04
2.96E+02	5.24E-04	-4.49E-04	-3.20E-04
2.96E+02	5.21E-04	-5.21E-04	-2.82E-04
2.96E+02	5.21E-04	-5.72E-04	-1.90E-04
2.96E+02	4.89E-04	-6.53E-04	-1.40E-04
2.96E+02	4.77E-04	-7.22E-04	-1.08E-04
2.96E+02	4.73E-04	-7.34E-04	-1.16E-05
2.96E+02	4.71E-04	-7.17E-04	5.02E-05
2.96E+02	4.48E-04	-6.80E-04	9.21E-05
2.96E+02	3.80E-04	-6.48E-04	1.26E-04
2.96E+02	3.47E-04	-6.23E-04	1.18E-04
2.96E+02	3.26E-04	-5.97E-04	1.36E-04
2.96E+02	2.49E-04	-6.11E-04	1.37E-04
2.96E+02	1.86E-04	-6.27E-04	1.18E-04
2.96E+02	1.37E-04	-6.10E-04	1.51E-04
2.96E+02	9.02E-05	-5.95E-04	1.41E-04
2.96E+02	4.20E-05	-5.76E-04	7.92E-05
2.96E+02	-5.02E-05	-5.41E-04	3.30E-05
2.96E+02	-9.38E-05	-4.78E-04	-6.29E-06
2.96E+02	-9.27E-05	-3.98E-04	-1.75E-05
2.96E+02	-1.04E-04	-3.64E-04	-6.90E-05
2.96E+02	-7.38E-05	-3.54E-04	-1.53E-04
2.96E+02	-6.29E-06	-3.29E-04	-1.40E-04
2.96E+02	8.09E-05	-3.17E-04	-1.15E-04
2.96E+02	1.44E-04	-3.19E-04	-1.28E-04
2.96E+02	1.59E-04	-3.39E-04	-1.35E-04
2.96E+02	1.84E-04	-3.81E-04	-1.87E-04
2.96E+02	2.16E-04	-4.09E-04	-2.24E-04
2.96E+02	2.06E-04	-4.28E-04	-2.51E-04
2.96E+02	1.75E-04	-4.57E-04	-2.96E-04
2.96E+02	1.65E-04	-4.43E-04	-2.43E-04
2.96E+02	1.73E-04	-4.11E-04	-1.64E-04
2.96E+02	1.76E-04	-4.12E-04	-1.23E-04
2.96E+02	1.40E-04	-4.41E-04	-5.84E-05
2.96E+02	1.09E-04	-4.88E-04	1.34E-05
2.96E+02	1.01E-04	-5.10E-04	1.08E-04
2.96E+02	5.91E-05	-5.62E-04	1.61E-04
2.96E+02	1.32E-05	-6.65E-04	1.50E-04
2.96E+02	1.34E-06	-7.47E-04	2.03E-04
2.96E+02	2.35E-05	-8.31E-04	2.77E-04
2.96E+02	5.51E-05	-9.06E-04	3.17E-04
2.96E+02	6.39E-05	-9.69E-04	3.59E-04
2.96E+02	9.46E-05	-1.03E-03	3.36E-04
2.96E+02	1.61E-04	-1.04E-03	3.15E-04
2.96E+02	1.89E-04	-1.03E-03	2.91E-04
2.96E+02	1.83E-04	-1.03E-03	1.64E-04
2.96E+02	1.76E-04	-9.90E-04	6.54E-05

2.96E+02	1.50E-04	-9.31E-04	-3.59E-05
2.96E+02	1.22E-04	-8.77E-04	-2.01E-04
2.96E+02	6.31E-05	-8.20E-04	-3.06E-04
2.96E+02	1.96E-05	-7.50E-04	-3.46E-04
2.96E+02	4.94E-05	-6.40E-04	-3.22E-04
2.96E+02	5.51E-05	-5.61E-04	-3.09E-04
2.96E+02	4.16E-05	-5.45E-04	-3.82E-04
2.96E+02	4.43E-05	-5.38E-04	-4.27E-04
2.96E+02	4.29E-05	-5.31E-04	-4.62E-04
2.96E+02	3.47E-05	-5.24E-04	-5.21E-04
2.96E+02	-2.59E-05	-5.13E-04	-5.14E-04
2.96E+02	-9.10E-05	-4.96E-04	-4.51E-04
2.96E+02	-1.08E-04	-4.70E-04	-3.28E-04
2.96E+02	-1.39E-04	-4.60E-04	-1.57E-04
2.96E+02	-1.77E-04	-4.90E-04	-3.40E-05
2.96E+02	-1.93E-04	-5.10E-04	1.09E-04
2.96E+02	-1.88E-04	-5.18E-04	2.59E-04
2.96E+02	-1.61E-04	-5.30E-04	2.98E-04
2.96E+02	-1.70E-04	-5.20E-04	3.06E-04
2.96E+02	-1.90E-04	-4.87E-04	3.03E-04
2.96E+02	-1.76E-04	-4.22E-04	2.94E-04
2.96E+02	-1.87E-04	-3.66E-04	3.06E-04
2.96E+02	-2.31E-04	-3.80E-04	2.29E-04
2.96E+02	-2.66E-04	-3.96E-04	1.44E-04
2.96E+02	-2.79E-04	-3.95E-04	1.26E-04
2.96E+02	-2.99E-04	-4.19E-04	7.11E-05
2.96E+02	-3.46E-04	-4.38E-04	5.40E-05
2.96E+02	-3.85E-04	-4.59E-04	8.35E-05
2.96E+02	-3.88E-04	-4.88E-04	1.10E-04
2.96E+02	-3.96E-04	-5.12E-04	1.50E-04
2.96E+02	-4.23E-04	-5.47E-04	1.13E-04
2.96E+02	-4.22E-04	-5.52E-04	5.26E-05
2.96E+02	-3.73E-04	-5.23E-04	-6.48E-06
2.96E+02	-2.94E-04	-5.04E-04	-1.34E-04
2.96E+02	-2.36E-04	-4.93E-04	-2.37E-04
2.96E+02	-2.04E-04	-4.94E-04	-2.86E-04
2.96E+02	-1.51E-04	-4.74E-04	-2.65E-04
2.96E+02	-1.41E-04	-4.45E-04	-2.00E-04
2.96E+02	-2.04E-04	-4.55E-04	-1.91E-04
2.96E+02	-2.56E-04	-4.55E-04	-1.43E-04
2.96E+02	-2.97E-04	-4.35E-04	-2.65E-05
2.96E+02	-3.14E-04	-4.03E-04	7.17E-05
2.96E+02	-3.42E-04	-3.61E-04	1.57E-04
2.96E+02	-3.86E-04	-3.41E-04	2.14E-04
2.96E+02	-3.42E-04	-3.07E-04	2.35E-04
2.96E+02	-2.85E-04	-2.79E-04	2.39E-04
2.96E+02	-2.66E-04	-2.92E-04	1.87E-04

2.96E+02	-2.31E-04	-2.91E-04	1.38E-04
2.96E+02	-2.02E-04	-2.79E-04	1.43E-04
2.96E+02	-1.83E-04	-2.87E-04	9.27E-05
2.96E+02	-2.22E-04	-3.05E-04	1.43E-05
2.96E+02	-3.21E-04	-3.20E-04	-2.57E-05
2.96E+02	-3.98E-04	-3.04E-04	-4.27E-05
2.96E+02	-4.91E-04	-2.66E-04	-4.39E-06
2.96E+02	-6.13E-04	-2.71E-04	-5.72E-07
2.96E+02	-6.94E-04	-2.86E-04	-2.67E-06
2.96E+02	-7.27E-04	-2.83E-04	7.65E-05
2.96E+02	-7.06E-04	-3.05E-04	1.22E-04
2.96E+02	-6.62E-04	-3.23E-04	1.43E-04
2.96E+02	-6.34E-04	-3.37E-04	1.61E-04
2.96E+02	-5.44E-04	-3.37E-04	1.47E-04
2.96E+02	-4.37E-04	-3.03E-04	1.44E-04
2.96E+02	-3.83E-04	-3.06E-04	8.53E-05
2.96E+02	-3.16E-04	-3.19E-04	6.68E-06
2.96E+02	-2.49E-04	-2.95E-04	4.14E-05
2.96E+02	-1.95E-04	-2.88E-04	7.93E-05
2.96E+02	-1.71E-04	-2.88E-04	7.17E-05
2.96E+02	-2.08E-04	-2.81E-04	1.02E-04
2.96E+02	-2.26E-04	-2.45E-04	1.36E-04
2.96E+02	-2.21E-04	-1.66E-04	1.94E-04
2.96E+02	-2.44E-04	-1.17E-04	2.49E-04
2.96E+02	-2.42E-04	-9.27E-05	2.71E-04
2.96E+02	-1.98E-04	-5.68E-05	3.30E-04
2.96E+02	-1.18E-04	-3.43E-05	3.22E-04
2.96E+02	-4.25E-05	-2.06E-05	2.57E-04
2.96E+02	-2.29E-06	-2.69E-05	2.14E-04
2.96E+02	7.78E-05	-3.70E-05	1.43E-04
2.96E+02	1.54E-04	-2.67E-05	1.19E-04
2.96E+02	1.46E-04	-3.89E-05	1.01E-04
2.96E+02	1.15E-04	-4.83E-05	4.44E-05
2.96E+02	5.55E-05	-3.91E-05	4.62E-05
2.96E+02	-1.79E-05	-5.53E-05	3.13E-05
2.96E+02	-9.27E-05	-9.38E-05	-1.89E-05
2.96E+02	-2.24E-04	-1.61E-04	-6.66E-05
2.97E+02	-3.18E-04	-2.27E-04	-1.14E-04
2.97E+02	-3.51E-04	-2.54E-04	-9.37E-05
2.97E+02	-4.00E-04	-2.84E-04	-6.20E-05
2.97E+02	-4.17E-04	-3.23E-04	-4.56E-05
2.97E+02	-3.96E-04	-3.40E-04	4.35E-05
2.97E+02	-3.52E-04	-3.52E-04	1.36E-04
2.97E+02	-3.03E-04	-3.72E-04	1.87E-04
2.97E+02	-2.95E-04	-3.85E-04	2.50E-04
2.97E+02	-2.61E-04	-3.89E-04	2.83E-04
2.97E+02	-1.81E-04	-3.74E-04	3.16E-04

2.97E+02	-1.49E-04	-3.72E-04	3.63E-04
2.97E+02	-1.47E-04	-3.89E-04	3.76E-04
2.97E+02	-1.60E-04	-3.74E-04	4.40E-04
2.97E+02	-1.91E-04	-3.50E-04	4.75E-04
2.97E+02	-2.39E-04	-3.40E-04	4.03E-04
2.97E+02	-3.58E-04	-3.33E-04	3.44E-04
2.97E+02	-4.87E-04	-3.02E-04	2.81E-04
2.97E+02	-5.75E-04	-2.07E-04	2.10E-04
2.97E+02	-6.80E-04	-1.01E-04	1.22E-04
2.97E+02	-7.84E-04	-3.24E-05	-1.47E-05
2.97E+02	-8.39E-04	5.09E-05	-5.99E-05
2.97E+02	-8.22E-04	1.39E-04	-3.15E-05
2.97E+02	-7.59E-04	1.87E-04	-3.93E-05
2.97E+02	-7.21E-04	2.16E-04	-3.51E-05
2.97E+02	-6.60E-04	2.35E-04	-3.45E-05
2.97E+02	-5.42E-04	2.59E-04	-2.63E-05
2.97E+02	-4.67E-04	2.78E-04	-2.88E-05
2.97E+02	-4.23E-04	2.59E-04	-8.13E-05
2.97E+02	-3.83E-04	2.50E-04	-3.76E-05
2.97E+02	-3.54E-04	2.37E-04	7.23E-05
2.97E+02	-3.22E-04	1.82E-04	1.40E-04
2.97E+02	-3.45E-04	1.08E-04	2.11E-04
2.97E+02	-3.66E-04	3.53E-05	2.61E-04
2.97E+02	-3.30E-04	-9.54E-07	3.02E-04
2.97E+02	-3.18E-04	-3.78E-05	3.18E-04
2.97E+02	-3.16E-04	-1.05E-04	2.69E-04
2.97E+02	-2.98E-04	-1.46E-04	2.72E-04
2.97E+02	-2.78E-04	-1.71E-04	3.16E-04
2.97E+02	-2.70E-04	-2.07E-04	3.11E-04
2.97E+02	-3.25E-04	-2.30E-04	3.11E-04
2.97E+02	-4.03E-04	-2.37E-04	3.13E-04
2.97E+02	-4.42E-04	-1.97E-04	3.34E-04
2.97E+02	-4.96E-04	-1.14E-04	3.89E-04
2.97E+02	-5.70E-04	-2.92E-05	3.93E-04
2.97E+02	-6.08E-04	9.23E-05	4.15E-04
2.97E+02	-6.07E-04	2.41E-04	4.64E-04
2.97E+02	-5.72E-04	3.57E-04	4.18E-04
2.97E+02	-5.40E-04	4.34E-04	3.35E-04
2.97E+02	-5.05E-04	4.69E-04	2.68E-04
2.97E+02	-4.10E-04	4.91E-04	2.19E-04
2.97E+02	-3.04E-04	5.00E-04	1.86E-04
2.97E+02	-2.25E-04	4.68E-04	8.35E-05
2.97E+02	-1.35E-04	4.48E-04	-7.63E-07
2.97E+02	-4.06E-05	4.48E-04	1.98E-05
2.97E+02	1.43E-05	4.29E-04	4.90E-05
2.97E+02	-2.42E-05	3.94E-04	7.65E-05
2.97E+02	-1.18E-04	3.40E-04	8.35E-05

2.97E+02	-1.99E-04	2.81E-04	5.61E-05
2.97E+02	-3.09E-04	2.20E-04	5.26E-05
2.97E+02	-4.45E-04	1.36E-04	2.31E-05
2.97E+02	-5.58E-04	8.22E-05	3.15E-05
2.97E+02	-6.24E-04	8.16E-05	1.49E-04
2.97E+02	-6.35E-04	8.56E-05	2.35E-04
2.97E+02	-6.24E-04	9.84E-05	3.09E-04
2.97E+02	-5.88E-04	1.27E-04	4.04E-04
2.97E+02	-4.90E-04	1.57E-04	4.47E-04
2.97E+02	-3.69E-04	2.00E-04	4.65E-04
2.97E+02	-2.81E-04	2.02E-04	3.75E-04
2.97E+02	-1.84E-04	1.82E-04	2.44E-04
2.97E+02	-5.89E-05	2.12E-04	2.31E-04
2.97E+02	4.79E-05	2.21E-04	2.02E-04
2.97E+02	1.09E-04	2.22E-04	1.78E-04
2.97E+02	1.11E-04	2.43E-04	1.84E-04
2.97E+02	1.25E-04	2.55E-04	1.23E-04
2.97E+02	1.39E-04	2.89E-04	4.79E-05
2.97E+02	1.05E-04	3.15E-04	-5.57E-05
2.97E+02	8.96E-05	3.60E-04	-1.14E-04
2.97E+02	8.53E-05	4.63E-04	-5.19E-05
2.97E+02	9.98E-05	5.45E-04	-3.43E-06
2.97E+02	1.01E-04	5.90E-04	3.53E-05
2.97E+02	3.17E-05	5.88E-04	1.12E-04
2.97E+02	-1.11E-05	5.47E-04	1.85E-04
2.97E+02	-4.94E-05	5.21E-04	2.33E-04
2.97E+02	-1.37E-04	4.48E-04	1.70E-04
2.97E+02	-2.23E-04	3.55E-04	5.13E-05
2.97E+02	-2.77E-04	3.13E-04	3.64E-05
2.97E+02	-2.93E-04	2.63E-04	3.07E-05
2.97E+02	-3.34E-04	2.12E-04	3.81E-06
2.97E+02	-3.85E-04	1.74E-04	1.60E-05
2.97E+02	-3.73E-04	1.48E-04	1.75E-05
2.97E+02	-3.36E-04	1.63E-04	5.70E-05
2.97E+02	-3.13E-04	1.60E-04	6.18E-05
2.97E+02	-2.78E-04	1.38E-04	-1.72E-06
2.97E+02	-2.36E-04	1.43E-04	1.66E-05
2.97E+02	-2.00E-04	1.34E-04	5.32E-05
2.97E+02	-1.89E-04	9.82E-05	7.08E-05
2.97E+02	-2.44E-04	6.64E-05	1.05E-04
2.97E+02	-3.00E-04	5.23E-05	1.25E-04
2.97E+02	-3.28E-04	6.52E-05	1.84E-04
2.97E+02	-4.02E-04	5.76E-05	1.97E-04
2.97E+02	-4.73E-04	1.54E-05	1.16E-04
2.97E+02	-5.15E-04	5.91E-06	6.37E-05
2.97E+02	-5.40E-04	1.49E-05	-1.70E-05
2.97E+02	-5.54E-04	3.03E-05	-1.11E-04

2.97E+02	-6.11E-04	7.13E-05	-1.51E-04
2.97E+02	-6.36E-04	1.16E-04	-2.00E-04
2.97E+02	-6.00E-04	2.00E-04	-2.02E-04
2.97E+02	-5.87E-04	2.96E-04	-1.73E-04
2.97E+02	-5.70E-04	3.67E-04	-1.46E-04
2.97E+02	-5.30E-04	4.63E-04	-3.89E-05
2.97E+02	-4.71E-04	5.57E-04	6.03E-05
2.97E+02	-3.89E-04	6.23E-04	1.07E-04
2.97E+02	-3.61E-04	6.62E-04	1.63E-04
2.97E+02	-3.31E-04	6.70E-04	1.80E-04
2.97E+02	-2.67E-04	6.84E-04	2.03E-04
2.97E+02	-2.63E-04	6.53E-04	1.88E-04
2.97E+02	-2.66E-04	5.55E-04	7.88E-05
2.97E+02	-2.51E-04	4.51E-04	3.70E-05
2.97E+02	-2.29E-04	3.47E-04	5.28E-05
2.97E+02	-1.87E-04	2.59E-04	6.87E-05
2.97E+02	-2.10E-04	1.86E-04	8.77E-05
2.97E+02	-2.30E-04	1.23E-04	4.43E-05
2.97E+02	-1.90E-04	1.11E-04	8.96E-06
2.97E+02	-2.03E-04	1.14E-04	-2.16E-05
2.97E+02	-2.39E-04	1.09E-04	-1.03E-04
2.97E+02	-2.61E-04	1.28E-04	-1.08E-04
2.97E+02	-2.85E-04	1.62E-04	-3.51E-05
2.97E+02	-2.88E-04	1.83E-04	2.54E-05
2.97E+02	-3.31E-04	1.88E-04	1.00E-04
2.97E+02	-3.81E-04	1.96E-04	1.71E-04
2.97E+02	-3.82E-04	2.38E-04	2.44E-04
2.97E+02	-4.06E-04	2.93E-04	2.92E-04
2.97E+02	-4.35E-04	3.29E-04	2.27E-04
2.97E+02	-4.30E-04	3.84E-04	1.49E-04
2.97E+02	-3.97E-04	4.62E-04	9.99E-05
2.97E+02	-3.54E-04	5.33E-04	5.15E-06
2.97E+02	-3.71E-04	5.99E-04	-8.79E-05
2.97E+02	-4.00E-04	6.50E-04	-1.77E-04
2.97E+02	-3.91E-04	6.98E-04	-2.44E-04
2.97E+02	-4.15E-04	7.41E-04	-2.56E-04
2.97E+02	-4.58E-04	7.51E-04	-2.82E-04
2.97E+02	-4.90E-04	7.64E-04	-2.78E-04
2.97E+02	-5.25E-04	7.84E-04	-2.43E-04
2.97E+02	-5.38E-04	7.71E-04	-2.77E-04
2.97E+02	-5.68E-04	7.53E-04	-2.95E-04
2.97E+02	-6.06E-04	7.44E-04	-2.51E-04
2.97E+02	-5.76E-04	7.61E-04	-1.71E-04
2.97E+02	-5.54E-04	7.82E-04	-5.91E-05
2.97E+02	-5.55E-04	7.46E-04	-2.75E-05
2.97E+02	-5.32E-04	6.90E-04	-1.96E-05
2.97E+02	-5.11E-04	6.34E-04	1.18E-05

2.97E+02	-4.83E-04	5.70E-04	-6.29E-06
2.97E+02	-5.00E-04	5.23E-04	-3.81E-06
2.97E+02	-5.62E-04	4.82E-04	-1.14E-06
2.97E+02	-5.87E-04	4.69E-04	-1.20E-05
2.97E+02	-6.18E-04	4.86E-04	7.63E-06
2.97E+02	-6.90E-04	4.66E-04	-5.57E-05
2.97E+02	-7.45E-04	4.50E-04	-1.39E-04
2.97E+02	-7.89E-04	4.43E-04	-1.73E-04
2.97E+02	-7.97E-04	4.28E-04	-2.64E-04
2.97E+02	-7.82E-04	4.47E-04	-3.27E-04
2.97E+02	-8.00E-04	4.47E-04	-3.44E-04
2.97E+02	-7.57E-04	4.52E-04	-3.37E-04
2.97E+02	-6.93E-04	4.71E-04	-2.61E-04
2.97E+02	-6.71E-04	4.16E-04	-2.41E-04
2.97E+02	-6.28E-04	3.38E-04	-2.44E-04
2.97E+02	-5.83E-04	2.79E-04	-1.82E-04
2.97E+02	-5.27E-04	2.36E-04	-1.63E-04
2.97E+02	-4.93E-04	2.21E-04	-1.62E-04
2.97E+02	-5.07E-04	2.23E-04	-1.41E-04
2.97E+02	-4.70E-04	2.69E-04	-1.19E-04
2.97E+02	-4.29E-04	3.49E-04	-4.90E-05
2.97E+02	-4.32E-04	4.19E-04	-1.56E-05
2.97E+02	-4.28E-04	4.91E-04	-2.71E-05
2.97E+02	-4.24E-04	5.75E-04	-9.16E-06
2.97E+02	-3.87E-04	6.54E-04	-6.05E-05
2.97E+02	-3.79E-04	6.99E-04	-1.49E-04
2.97E+02	-4.51E-04	7.05E-04	-1.95E-04
2.97E+02	-4.80E-04	7.05E-04	-2.01E-04
2.97E+02	-5.18E-04	7.10E-04	-1.34E-04
2.97E+02	-6.09E-04	6.84E-04	-1.17E-04
2.97E+02	-6.64E-04	6.27E-04	-1.50E-04
2.97E+02	-6.95E-04	5.89E-04	-1.07E-04
2.97E+02	-6.91E-04	5.55E-04	-7.99E-05
2.97E+02	-6.78E-04	5.23E-04	-6.03E-05
2.97E+02	-6.98E-04	4.97E-04	-1.56E-05
2.97E+02	-6.60E-04	4.86E-04	7.82E-06
2.97E+02	-5.90E-04	5.05E-04	7.51E-05
2.97E+02	-5.68E-04	4.91E-04	1.14E-04
2.97E+02	-5.47E-04	4.47E-04	9.86E-05
2.97E+02	-5.32E-04	4.07E-04	1.42E-04
2.97E+02	-5.15E-04	3.49E-04	1.26E-04
2.97E+02	-4.93E-04	2.85E-04	2.80E-05
2.97E+02	-5.28E-04	2.40E-04	-1.45E-05
2.97E+02	-5.34E-04	2.38E-04	-2.00E-05
2.97E+02	-4.94E-04	2.79E-04	1.11E-05
2.97E+02	-4.97E-04	2.89E-04	8.96E-06
2.97E+02	-4.92E-04	2.54E-04	-5.09E-05

2.97E+02	-4.76E-04	2.29E-04	-3.30E-05
2.97E+02	-4.49E-04	2.11E-04	-1.79E-05
2.98E+02	-4.13E-04	2.04E-04	-4.65E-05
2.98E+02	-4.43E-04	2.32E-04	-5.74E-05
2.98E+02	-4.63E-04	2.83E-04	-1.00E-04
2.98E+02	-4.58E-04	3.65E-04	-1.22E-04
2.98E+02	-5.07E-04	4.49E-04	-1.18E-04
2.98E+02	-5.61E-04	5.04E-04	-1.10E-04
2.98E+02	-5.94E-04	5.72E-04	-2.38E-05
2.98E+02	-6.04E-04	6.32E-04	6.62E-05
2.98E+02	-5.95E-04	6.44E-04	1.02E-04
2.98E+02	-6.26E-04	6.29E-04	1.30E-04
2.98E+02	-6.30E-04	5.99E-04	1.45E-04
2.98E+02	-5.86E-04	5.91E-04	1.71E-04
2.98E+02	-5.82E-04	5.78E-04	1.57E-04
2.98E+02	-5.74E-04	5.28E-04	1.05E-04
2.98E+02	-5.55E-04	4.91E-04	1.48E-04
2.98E+02	-5.40E-04	4.43E-04	1.89E-04
2.98E+02	-5.32E-04	3.92E-04	1.71E-04
2.98E+02	-5.94E-04	3.68E-04	1.69E-04
2.98E+02	-6.49E-04	3.39E-04	1.28E-04
2.98E+02	-6.55E-04	3.54E-04	1.01E-04
2.98E+02	-6.91E-04	3.84E-04	8.35E-05
2.98E+02	-7.27E-04	3.87E-04	-9.16E-06
2.98E+02	-7.30E-04	4.28E-04	-2.56E-05
2.98E+02	-7.07E-04	4.67E-04	1.87E-05
2.98E+02	-6.61E-04	4.60E-04	-6.10E-06
2.98E+02	-6.38E-04	4.27E-04	-3.62E-06
2.98E+02	-6.21E-04	3.83E-04	9.73E-06
2.98E+02	-5.74E-04	3.60E-04	3.01E-05
2.98E+02	-5.58E-04	3.46E-04	8.05E-05
2.98E+02	-5.82E-04	3.15E-04	4.67E-05
2.98E+02	-5.89E-04	3.35E-04	7.04E-05
2.98E+02	-5.78E-04	4.09E-04	1.82E-04
2.98E+02	-5.81E-04	4.67E-04	2.07E-04
2.98E+02	-6.31E-04	5.20E-04	2.13E-04
2.98E+02	-6.71E-04	5.70E-04	1.80E-04
2.98E+02	-6.39E-04	6.20E-04	1.09E-04
2.98E+02	-6.10E-04	6.52E-04	5.59E-05
2.98E+02	-5.84E-04	6.38E-04	-2.73E-05
2.98E+02	-5.28E-04	6.33E-04	-5.07E-05
2.98E+02	-4.76E-04	6.25E-04	-3.36E-05
2.98E+02	-4.14E-04	5.74E-04	-6.35E-05
2.98E+02	-4.08E-04	4.98E-04	-8.39E-05
2.98E+02	-4.38E-04	4.07E-04	-1.18E-04
2.98E+02	-4.18E-04	3.42E-04	-1.45E-04
2.98E+02	-4.41E-04	2.90E-04	-1.55E-04

2.98E+02	-4.97E-04	2.12E-04	-2.23E-04
2.98E+02	-5.15E-04	1.67E-04	-2.23E-04
2.98E+02	-5.22E-04	1.72E-04	-1.22E-04
2.98E+02	-5.17E-04	1.73E-04	-5.72E-05
2.98E+02	-5.36E-04	1.66E-04	-1.91E-07
2.98E+02	-5.74E-04	1.45E-04	2.44E-05
2.98E+02	-5.62E-04	1.21E-04	4.58E-06
2.98E+02	-5.49E-04	1.30E-04	2.14E-05
2.98E+02	-5.64E-04	1.21E-04	2.48E-06
2.98E+02	-5.68E-04	1.15E-04	8.96E-06
2.98E+02	-5.61E-04	1.49E-04	7.93E-05
2.98E+02	-5.37E-04	1.60E-04	6.98E-05
2.98E+02	-5.40E-04	1.60E-04	6.94E-05
2.98E+02	-5.72E-04	1.53E-04	1.05E-04
2.98E+02	-5.37E-04	1.55E-04	1.20E-04
2.98E+02	-4.95E-04	1.83E-04	1.45E-04
2.98E+02	-4.88E-04	1.84E-04	8.35E-05
2.98E+02	-4.53E-04	1.82E-04	1.43E-05
2.98E+02	-4.08E-04	2.00E-04	3.32E-05
2.98E+02	-3.49E-04	2.03E-04	4.86E-05
2.98E+02	-3.27E-04	1.86E-04	8.58E-05
2.98E+02	-3.44E-04	1.60E-04	1.29E-04
2.98E+02	-3.11E-04	1.53E-04	1.48E-04
2.98E+02	-2.94E-04	1.73E-04	1.86E-04
2.98E+02	-3.23E-04	1.79E-04	1.56E-04
2.98E+02	-3.46E-04	1.82E-04	9.56E-05
2.98E+02	-3.78E-04	2.03E-04	8.47E-05
2.98E+02	-4.01E-04	2.14E-04	2.35E-05
2.98E+02	-4.28E-04	2.22E-04	-1.68E-05
2.98E+02	-4.70E-04	2.37E-04	1.34E-05
2.98E+02	-4.61E-04	2.64E-04	6.83E-05
2.98E+02	-4.39E-04	2.98E-04	1.38E-04
2.98E+02	-4.56E-04	2.80E-04	1.16E-04
2.98E+02	-4.55E-04	2.39E-04	7.06E-05
2.98E+02	-4.30E-04	2.21E-04	8.85E-05
2.98E+02	-3.78E-04	1.94E-04	8.05E-05
2.98E+02	-3.32E-04	1.72E-04	5.13E-05
2.98E+02	-3.21E-04	1.43E-04	3.19E-05
2.98E+02	-2.56E-04	1.08E-04	3.20E-05
2.98E+02	-1.69E-04	8.93E-05	6.62E-05
2.98E+02	-1.30E-04	3.81E-05	6.01E-05
2.98E+02	-1.07E-04	-3.55E-05	2.67E-05
2.98E+02	-9.04E-05	-7.72E-05	2.67E-05
2.98E+02	-6.66E-05	-1.07E-04	-2.00E-05
2.98E+02	-7.31E-05	-1.33E-04	-6.69E-05
2.98E+02	-1.19E-04	-1.30E-04	-4.06E-05
2.98E+02	-1.42E-04	-1.08E-04	-4.01E-06

2.98E+02	-1.60E-04	-6.33E-05	6.62E-05
2.98E+02	-2.03E-04	-4.02E-05	8.47E-05
2.98E+02	-2.33E-04	-6.41E-05	4.62E-05
2.98E+02	-2.44E-04	-8.32E-05	9.52E-05
2.98E+02	-2.24E-04	-1.06E-04	1.33E-04
2.98E+02	-2.06E-04	-1.25E-04	1.31E-04
2.98E+02	-2.32E-04	-1.20E-04	1.21E-04
2.98E+02	-2.25E-04	-8.45E-05	5.05E-05
2.98E+02	-1.98E-04	-4.01E-06	9.16E-06
2.98E+02	-2.03E-04	5.44E-05	-2.33E-05
2.98E+02	-2.02E-04	7.63E-05	-6.31E-05
2.98E+02	-2.05E-04	9.08E-05	-1.79E-05
2.98E+02	-1.90E-04	7.84E-05	-4.77E-06
2.98E+02	-1.72E-04	5.36E-05	-2.44E-05
2.98E+02	-2.03E-04	2.35E-05	1.43E-05
2.98E+02	-2.10E-04	7.82E-06	4.23E-05
2.98E+02	-1.86E-04	2.42E-05	9.23E-05
2.98E+02	-2.04E-04	1.14E-05	1.11E-04
2.98E+02	-2.22E-04	-1.11E-05	8.01E-05
2.98E+02	-2.13E-04	-3.81E-07	1.27E-04
2.98E+02	-1.80E-04	2.94E-05	1.94E-04
2.98E+02	-1.41E-04	8.24E-05	2.52E-04
2.98E+02	-1.65E-04	1.20E-04	2.78E-04
2.98E+02	-1.86E-04	1.52E-04	2.28E-04
2.98E+02	-1.57E-04	2.10E-04	1.92E-04
2.98E+02	-1.71E-04	2.36E-04	1.27E-04
2.98E+02	-1.95E-04	2.28E-04	4.16E-05
2.98E+02	-1.89E-04	2.25E-04	4.46E-05
2.98E+02	-1.58E-04	2.22E-04	4.73E-05
2.98E+02	-1.04E-04	2.06E-04	8.01E-06
2.98E+02	-9.38E-05	1.77E-04	-8.96E-06
2.98E+02	-6.47E-05	1.70E-04	-6.29E-06
2.98E+02	9.92E-06	2.04E-04	1.20E-05
2.98E+02	3.64E-05	2.16E-04	-7.44E-06
2.98E+02	5.42E-05	2.02E-04	-8.09E-05
2.98E+02	9.31E-05	2.17E-04	-8.56E-05
2.98E+02	1.32E-04	2.35E-04	-3.43E-05
2.98E+02	1.61E-04	2.31E-04	-2.48E-06
2.98E+02	1.34E-04	2.12E-04	6.20E-05
2.98E+02	1.03E-04	1.77E-04	1.42E-04
2.98E+02	1.17E-04	1.38E-04	2.05E-04
2.98E+02	1.11E-04	7.92E-05	2.31E-04
2.98E+02	8.75E-05	1.35E-05	1.84E-04
2.98E+02	7.86E-05	-1.09E-05	1.55E-04
2.98E+02	6.77E-05	-2.75E-05	1.28E-04
2.98E+02	6.58E-05	-4.81E-05	5.46E-05
2.98E+02	3.64E-05	-6.60E-05	2.56E-05

2.98E+02	-8.58E-06	-9.73E-05	3.24E-06
2.98E+02	-1.72E-06	-1.16E-04	-7.44E-06
2.98E+02	-9.54E-06	-1.56E-04	7.63E-07
2.98E+02	-1.05E-05	-2.33E-04	-4.90E-05
2.98E+02	3.80E-05	-2.90E-04	-3.93E-05
2.98E+02	9.84E-05	-3.13E-04	1.34E-05
2.98E+02	1.76E-04	-3.17E-04	1.03E-05
2.98E+02	1.98E-04	-3.04E-04	2.14E-05
2.98E+02	1.91E-04	-2.78E-04	2.48E-05
2.98E+02	2.25E-04	-2.34E-04	2.71E-05
2.98E+02	2.08E-04	-1.89E-04	1.45E-05
2.98E+02	1.50E-04	-1.64E-04	-5.00E-05
2.98E+02	9.90E-05	-1.18E-04	-3.15E-05
2.98E+02	5.53E-05	-5.59E-05	4.79E-05
2.98E+02	5.93E-05	-1.53E-05	8.58E-05
2.98E+02	3.11E-05	-1.72E-06	1.40E-04
2.98E+02	-5.34E-06	-7.82E-06	2.00E-04
2.98E+02	4.33E-05	-9.73E-06	2.62E-04
2.98E+02	7.31E-05	-3.40E-05	3.11E-04
2.98E+02	8.96E-05	-9.99E-05	2.45E-04
2.98E+02	1.52E-04	-1.54E-04	1.73E-04
2.98E+02	2.27E-04	-1.86E-04	1.73E-04
2.98E+02	3.10E-04	-2.10E-04	1.54E-04
2.98E+02	3.43E-04	-2.13E-04	1.54E-04
2.98E+02	3.53E-04	-2.12E-04	1.36E-04
2.98E+02	4.10E-04	-1.87E-04	8.68E-05
2.98E+02	4.45E-04	-1.46E-04	7.15E-05
2.98E+02	4.47E-04	-1.42E-04	9.16E-06
2.98E+02	4.45E-04	-1.33E-04	-2.48E-05
2.98E+02	4.36E-04	-1.21E-04	1.39E-05
2.98E+02	4.41E-04	-1.44E-04	0.00E+00
2.98E+02	3.97E-04	-1.81E-04	4.20E-06
2.98E+02	3.17E-04	-2.16E-04	5.04E-05
2.98E+02	3.09E-04	-2.05E-04	1.00E-04
2.98E+02	3.22E-04	-1.61E-04	1.60E-04
2.98E+02	3.17E-04	-1.49E-04	1.16E-04
2.98E+02	3.47E-04	-1.54E-04	5.46E-05
2.98E+02	4.02E-04	-1.64E-04	8.68E-05
2.98E+02	4.71E-04	-2.12E-04	1.02E-04
2.98E+02	4.96E-04	-2.90E-04	1.28E-04
2.98E+02	4.69E-04	-3.80E-04	1.58E-04
2.98E+02	4.76E-04	-4.55E-04	1.33E-04
2.98E+02	4.79E-04	-4.80E-04	1.29E-04
2.98E+02	4.36E-04	-4.73E-04	6.69E-05
2.98E+02	4.21E-04	-4.36E-04	-4.71E-05
2.98E+02	4.25E-04	-3.55E-04	-8.56E-05
2.98E+02	4.52E-04	-2.72E-04	-1.30E-04

2.98E+02	4.81E-04	-2.13E-04	-1.54E-04
2.98E+02	4.66E-04	-1.96E-04	-1.16E-04
2.98E+02	4.96E-04	-1.93E-04	-6.28E-05
2.98E+02	5.35E-04	-1.79E-04	2.59E-05
2.98E+02	5.02E-04	-2.17E-04	1.68E-05
2.98E+02	4.77E-04	-2.70E-04	-6.41E-05
2.98E+02	4.61E-04	-2.65E-04	-8.70E-05
2.98E+02	4.41E-04	-2.31E-04	-1.34E-04
2.98E+02	4.10E-04	-1.89E-04	-1.56E-04
2.98E+02	3.24E-04	-1.55E-04	-1.30E-04
2.98E+02	2.69E-04	-1.38E-04	-1.21E-04
2.98E+02	2.56E-04	-1.25E-04	-9.44E-05
2.98E+02	2.14E-04	-1.56E-04	-1.22E-04
2.98E+02	2.06E-04	-2.23E-04	-1.87E-04
2.99E+02	2.48E-04	-2.63E-04	-1.77E-04
2.99E+02	3.27E-04	-2.95E-04	-1.71E-04
2.99E+02	4.36E-04	-3.20E-04	-1.59E-04
2.99E+02	4.96E-04	-3.35E-04	-8.66E-05
2.99E+02	5.76E-04	-3.25E-04	9.54E-07
2.99E+02	6.56E-04	-2.89E-04	8.56E-05
2.99E+02	6.45E-04	-2.90E-04	7.40E-05
2.99E+02	6.35E-04	-3.01E-04	7.25E-06
2.99E+02	6.20E-04	-2.85E-04	6.68E-06
2.99E+02	5.83E-04	-2.64E-04	-1.18E-05
2.99E+02	5.32E-04	-2.42E-04	-5.36E-05
2.99E+02	4.30E-04	-2.35E-04	-7.59E-05
2.99E+02	3.70E-04	-2.33E-04	-1.11E-04
2.99E+02	3.58E-04	-2.19E-04	-1.16E-04
2.99E+02	3.37E-04	-2.25E-04	-1.38E-04
2.99E+02	3.43E-04	-2.51E-04	-1.88E-04
2.99E+02	3.79E-04	-2.45E-04	-1.59E-04
2.99E+02	4.67E-04	-2.25E-04	-1.30E-04
2.99E+02	5.70E-04	-2.26E-04	-1.22E-04
2.99E+02	6.25E-04	-2.47E-04	-6.16E-05
2.99E+02	6.90E-04	-2.77E-04	2.08E-05
2.99E+02	7.65E-04	-2.99E-04	1.36E-04
2.99E+02	7.91E-04	-3.61E-04	1.95E-04
2.99E+02	8.13E-04	-4.48E-04	1.27E-04
2.99E+02	8.60E-04	-4.97E-04	7.46E-05
2.99E+02	9.25E-04	-5.31E-04	1.56E-05
2.99E+02	9.90E-04	-5.54E-04	-8.03E-05
2.99E+02	9.90E-04	-5.61E-04	-1.41E-04
2.99E+02	9.87E-04	-5.74E-04	-1.95E-04
2.99E+02	1.02E-03	-5.68E-04	-2.11E-04
2.99E+02	9.89E-04	-5.67E-04	-2.11E-04
2.99E+02	9.52E-04	-5.85E-04	-2.49E-04
2.99E+02	9.48E-04	-5.60E-04	-2.33E-04

2.99E+02	9.68E-04	-5.17E-04	-1.88E-04
2.99E+02	1.01E-03	-4.99E-04	-1.71E-04
2.99E+02	1.02E-03	-4.97E-04	-1.29E-04
2.99E+02	1.03E-03	-5.19E-04	-9.35E-05
2.99E+02	1.05E-03	-5.40E-04	-4.73E-05
2.99E+02	1.02E-03	-5.81E-04	-2.65E-05
2.99E+02	9.68E-04	-6.63E-04	-1.20E-04
2.99E+02	9.46E-04	-7.18E-04	-1.91E-04
2.99E+02	9.47E-04	-7.51E-04	-2.10E-04
2.99E+02	9.75E-04	-7.76E-04	-2.52E-04
2.99E+02	9.73E-04	-7.77E-04	-2.65E-04
2.99E+02	9.80E-04	-7.64E-04	-2.67E-04
2.99E+02	1.05E-03	-7.24E-04	-2.49E-04
2.99E+02	1.08E-03	-6.77E-04	-1.90E-04
2.99E+02	1.08E-03	-6.56E-04	-1.79E-04
2.99E+02	1.10E-03	-6.18E-04	-1.59E-04
2.99E+02	1.12E-03	-5.69E-04	-1.07E-04
2.99E+02	1.15E-03	-5.40E-04	-1.15E-04
2.99E+02	1.14E-03	-5.07E-04	-1.08E-04
2.99E+02	1.08E-03	-4.72E-04	-8.68E-05
2.99E+02	1.07E-03	-4.01E-04	-5.34E-05
2.99E+02	1.04E-03	-3.12E-04	4.39E-06
2.99E+02	9.73E-04	-2.97E-04	-2.33E-05
2.99E+02	9.42E-04	-3.23E-04	-4.84E-05
2.99E+02	9.43E-04	-3.45E-04	-3.30E-05
2.99E+02	9.69E-04	-3.88E-04	-6.56E-05
2.99E+02	9.79E-04	-4.32E-04	-8.77E-05
2.99E+02	9.68E-04	-4.62E-04	-1.05E-04
2.99E+02	1.01E-03	-4.65E-04	-1.13E-04
2.99E+02	1.03E-03	-4.58E-04	-8.51E-05
2.99E+02	9.91E-04	-4.85E-04	-1.07E-04
2.99E+02	9.57E-04	-5.05E-04	-1.06E-04
2.99E+02	9.29E-04	-5.11E-04	-4.88E-05
2.99E+02	9.20E-04	-5.53E-04	-4.29E-05
2.99E+02	9.01E-04	-5.93E-04	-4.02E-05
2.99E+02	8.55E-04	-6.17E-04	-2.63E-05
2.99E+02	8.54E-04	-5.97E-04	-1.89E-05
2.99E+02	8.54E-04	-5.29E-04	-8.58E-06
2.99E+02	8.11E-04	-4.87E-04	-5.97E-05
2.99E+02	7.91E-04	-4.43E-04	-1.26E-04
2.99E+02	8.07E-04	-3.80E-04	-1.61E-04
2.99E+02	8.51E-04	-3.42E-04	-2.10E-04
2.99E+02	8.79E-04	-3.07E-04	-2.35E-04
2.99E+02	8.93E-04	-2.78E-04	-2.11E-04
2.99E+02	9.43E-04	-2.76E-04	-1.87E-04
2.99E+02	9.76E-04	-2.95E-04	-1.32E-04
2.99E+02	9.66E-04	-3.59E-04	-8.01E-05

2.99E+02	9.55E-04	-4.40E-04	-5.89E-05
2.99E+02	9.65E-04	-4.98E-04	-1.26E-05
2.99E+02	9.93E-04	-5.57E-04	-4.44E-05
2.99E+02	1.00E-03	-5.95E-04	-1.37E-04
2.99E+02	9.97E-04	-5.95E-04	-1.79E-04
2.99E+02	1.03E-03	-5.45E-04	-2.08E-04
2.99E+02	1.06E-03	-4.44E-04	-2.00E-04
2.99E+02	1.04E-03	-3.70E-04	-2.19E-04
2.99E+02	1.04E-03	-3.05E-04	-2.58E-04
2.99E+02	1.05E-03	-2.36E-04	-2.36E-04
2.99E+02	1.06E-03	-2.10E-04	-2.65E-04
2.99E+02	1.06E-03	-1.96E-04	-3.14E-04
2.99E+02	1.03E-03	-2.07E-04	-3.22E-04
2.99E+02	1.03E-03	-2.37E-04	-3.20E-04
2.99E+02	1.05E-03	-2.65E-04	-2.69E-04
2.99E+02	1.01E-03	-3.29E-04	-2.32E-04
2.99E+02	9.80E-04	-3.95E-04	-2.17E-04
2.99E+02	9.79E-04	-4.36E-04	-1.63E-04
2.99E+02	9.86E-04	-4.75E-04	-1.50E-04
2.99E+02	9.86E-04	-5.09E-04	-1.67E-04
2.99E+02	9.59E-04	-5.32E-04	-1.22E-04
2.99E+02	9.54E-04	-5.21E-04	-4.71E-05
2.99E+02	9.60E-04	-4.88E-04	2.14E-05
2.99E+02	9.25E-04	-4.81E-04	1.75E-05
2.99E+02	9.06E-04	-4.85E-04	-3.97E-05
2.99E+02	9.12E-04	-4.54E-04	-4.29E-05
2.99E+02	9.22E-04	-4.26E-04	-7.74E-05
2.99E+02	9.25E-04	-4.02E-04	-1.48E-04
2.99E+02	8.94E-04	-3.66E-04	-1.79E-04
2.99E+02	8.91E-04	-3.43E-04	-2.20E-04
2.99E+02	9.26E-04	-3.12E-04	-2.17E-04
2.99E+02	9.21E-04	-3.29E-04	-2.11E-04
2.99E+02	9.20E-04	-3.64E-04	-2.36E-04
2.99E+02	9.72E-04	-3.45E-04	-1.79E-04
2.99E+02	1.04E-03	-3.45E-04	-1.55E-04
2.99E+02	1.11E-03	-3.47E-04	-1.96E-04
2.99E+02	1.14E-03	-3.33E-04	-2.14E-04
2.99E+02	1.17E-03	-3.22E-04	-2.50E-04
2.99E+02	1.22E-03	-2.95E-04	-2.65E-04
2.99E+02	1.20E-03	-3.00E-04	-2.96E-04
2.99E+02	1.15E-03	-3.09E-04	-3.32E-04
2.99E+02	1.12E-03	-2.89E-04	-2.76E-04
2.99E+02	1.09E-03	-2.72E-04	-2.38E-04
2.99E+02	1.06E-03	-2.56E-04	-2.33E-04
2.99E+02	9.82E-04	-2.41E-04	-2.05E-04
2.99E+02	9.38E-04	-2.22E-04	-2.24E-04
2.99E+02	9.40E-04	-1.85E-04	-2.66E-04

2.99E+02	9.11E-04	-1.49E-04	-2.93E-04
2.99E+02	8.88E-04	-1.30E-04	-3.19E-04
2.99E+02	8.76E-04	-9.88E-05	-2.74E-04
2.99E+02	8.86E-04	-5.70E-05	-1.80E-04
2.99E+02	8.86E-04	-4.86E-05	-1.25E-04
2.99E+02	8.20E-04	-6.01E-05	-6.73E-05
2.99E+02	7.64E-04	-5.74E-05	-7.06E-06
2.99E+02	7.33E-04	-3.93E-05	4.60E-05
2.99E+02	6.75E-04	-3.45E-05	6.16E-05
2.99E+02	6.19E-04	-4.71E-05	1.34E-06
2.99E+02	6.05E-04	-4.04E-05	-2.63E-05
2.99E+02	6.41E-04	-3.53E-05	-3.49E-05
2.99E+02	6.76E-04	-4.88E-05	-9.37E-05
2.99E+02	6.69E-04	-7.27E-05	-1.45E-04
2.99E+02	6.79E-04	-9.94E-05	-1.97E-04
2.99E+02	7.26E-04	-1.01E-04	-2.33E-04
2.99E+02	7.39E-04	-9.21E-05	-2.50E-04
2.99E+02	7.31E-04	-8.34E-05	-3.03E-04
2.99E+02	7.46E-04	-4.41E-05	-2.97E-04
2.99E+02	7.64E-04	-2.29E-06	-2.51E-04
2.99E+02	7.85E-04	8.96E-06	-2.63E-04
2.99E+02	7.75E-04	6.87E-06	-2.58E-04
2.99E+02	7.50E-04	9.54E-07	-2.40E-04
2.99E+02	7.72E-04	3.43E-05	-2.29E-04
2.99E+02	7.41E-04	8.24E-05	-2.54E-04
2.99E+02	6.78E-04	1.11E-04	-3.52E-04
2.99E+02	6.59E-04	1.84E-04	-3.72E-04
2.99E+02	6.17E-04	2.73E-04	-3.15E-04
2.99E+02	5.76E-04	3.27E-04	-2.78E-04
2.99E+02	5.09E-04	3.71E-04	-2.13E-04
2.99E+02	4.20E-04	3.90E-04	-1.48E-04
2.99E+02	4.00E-04	3.81E-04	-1.01E-04
2.99E+02	3.79E-04	3.41E-04	-6.90E-05
2.99E+02	3.43E-04	2.51E-04	-9.82E-05
2.99E+02	3.52E-04	1.60E-04	-1.07E-04
2.99E+02	3.94E-04	8.24E-05	-9.69E-05
2.99E+02	4.57E-04	-7.25E-06	-1.60E-04
2.99E+02	4.94E-04	-7.95E-05	-2.18E-04
2.99E+02	5.20E-04	-1.05E-04	-2.41E-04
2.99E+02	5.82E-04	-8.22E-05	-2.41E-04
2.99E+02	6.09E-04	-4.12E-05	-2.34E-04
2.99E+02	6.02E-04	-8.96E-06	-2.90E-04
2.99E+02	6.02E-04	2.71E-05	-3.36E-04
2.99E+02	6.03E-04	7.67E-05	-3.34E-04
2.99E+02	6.20E-04	1.23E-04	-3.36E-04
2.99E+02	6.11E-04	1.71E-04	-2.90E-04
2.99E+02	5.76E-04	2.31E-04	-2.04E-04

2.99E+02	5.79E-04	2.83E-04	-1.10E-04
2.99E+02	5.81E-04	3.21E-04	-1.66E-05
2.99E+02	5.45E-04	3.24E-04	8.96E-06
2.99E+02	5.21E-04	3.10E-04	1.96E-05
2.99E+02	5.21E-04	3.08E-04	4.39E-05
2.99E+02	5.46E-04	2.94E-04	-3.81E-07
2.99E+02	5.61E-04	2.69E-04	-3.53E-05
2.99E+02	5.58E-04	2.60E-04	-3.51E-05
2.99E+02	5.98E-04	2.83E-04	-3.24E-05
2.99E+02	6.02E-04	3.16E-04	-2.84E-05
2.99E+02	5.44E-04	3.24E-04	-9.06E-05
2.99E+02	5.10E-04	3.36E-04	-1.21E-04
2.99E+02	4.80E-04	3.65E-04	-6.56E-05
2.99E+02	4.45E-04	3.82E-04	-5.78E-05
2.99E+02	3.82E-04	3.86E-04	-6.08E-05
2.99E+02	2.92E-04	3.89E-04	-5.11E-05
2.99E+02	2.61E-04	3.99E-04	-8.11E-05
2.99E+02	2.36E-04	4.07E-04	-8.11E-05
2.99E+02	1.83E-04	3.82E-04	-9.23E-05
2.99E+02	1.58E-04	3.46E-04	-1.16E-04
2.99E+02	1.54E-04	3.15E-04	-6.60E-05
2.99E+02	1.74E-04	2.61E-04	-4.67E-05
2.99E+02	1.84E-04	2.03E-04	-4.12E-05
2.99E+02	1.55E-04	1.50E-04	6.29E-06
2.99E+02	1.52E-04	1.28E-04	5.61E-05
2.99E+02	1.48E-04	1.41E-04	1.28E-04
3.00E+02	9.10E-05	1.33E-04	1.27E-04
3.00E+02	5.46E-05	1.37E-04	7.84E-05
3.00E+02	5.46E-05	1.83E-04	7.99E-05
3.00E+02	8.41E-05	2.31E-04	5.19E-05
3.00E+02	1.22E-04	2.82E-04	2.84E-05
3.00E+02	1.29E-04	3.46E-04	2.67E-05
3.00E+02	1.77E-04	4.29E-04	3.24E-06
3.00E+02	2.34E-04	5.27E-04	3.43E-06
3.00E+02	2.16E-04	5.76E-04	-1.95E-05
3.00E+02	1.83E-04	5.91E-04	-5.51E-05
3.00E+02	1.47E-04	6.14E-04	-2.35E-05
3.00E+02	1.12E-04	6.04E-04	-2.40E-05
3.00E+02	6.28E-05	5.82E-04	-5.19E-05
3.00E+02	-2.37E-05	5.73E-04	-2.82E-05
3.00E+02	-5.82E-05	5.79E-04	-9.73E-06
3.00E+02	-6.41E-05	6.09E-04	8.01E-06
3.00E+02	-1.01E-04	6.01E-04	-1.98E-05
3.00E+02	-1.10E-04	5.79E-04	-7.82E-05
3.00E+02	-1.04E-04	5.75E-04	-7.04E-05
3.00E+02	-9.46E-05	5.51E-04	-9.84E-05
3.00E+02	-1.06E-04	5.15E-04	-1.54E-04

3.00E+02	-1.70E-04	4.54E-04	-1.20E-04
3.00E+02	-1.98E-04	3.82E-04	-6.22E-05
3.00E+02	-2.01E-04	3.13E-04	-1.20E-05
3.00E+02	-2.34E-04	2.53E-04	5.05E-05
3.00E+02	-2.45E-04	2.32E-04	1.09E-04
3.00E+02	-2.37E-04	2.24E-04	1.75E-04
3.00E+02	-2.04E-04	2.23E-04	1.57E-04
3.00E+02	-1.56E-04	2.40E-04	7.25E-05
3.00E+02	-1.58E-04	2.83E-04	4.14E-05
3.00E+02	-1.57E-04	3.61E-04	2.80E-05
3.00E+02	-1.37E-04	4.54E-04	3.49E-05
3.00E+02	-1.79E-04	5.10E-04	2.52E-05
3.00E+02	-2.42E-04	5.28E-04	-2.54E-05
3.00E+02	-2.77E-04	5.52E-04	-7.82E-06
3.00E+02	-2.95E-04	5.67E-04	4.81E-05
3.00E+02	-3.13E-04	5.75E-04	8.37E-05
3.00E+02	-3.48E-04	5.88E-04	1.17E-04
3.00E+02	-3.37E-04	5.96E-04	1.23E-04
3.00E+02	-2.74E-04	6.32E-04	1.32E-04
3.00E+02	-2.26E-04	6.65E-04	1.54E-04
3.00E+02	-1.98E-04	6.60E-04	1.23E-04
3.00E+02	-1.74E-04	6.62E-04	1.25E-04
3.00E+02	-1.38E-04	6.64E-04	1.53E-04
3.00E+02	-1.26E-04	6.37E-04	1.26E-04
3.00E+02	-1.82E-04	5.99E-04	1.02E-04
3.00E+02	-2.32E-04	5.68E-04	8.14E-05
3.00E+02	-2.56E-04	5.78E-04	8.56E-05
3.00E+02	-3.16E-04	5.83E-04	7.32E-05
3.00E+02	-3.86E-04	5.42E-04	-7.63E-07
3.00E+02	-4.31E-04	5.24E-04	-5.15E-06
3.00E+02	-4.60E-04	4.96E-04	8.77E-06
3.00E+02	-4.89E-04	4.42E-04	-1.72E-05
3.00E+02	-5.59E-04	3.95E-04	-2.19E-05
3.00E+02	-6.04E-04	3.43E-04	-2.88E-05
3.00E+02	-5.91E-04	3.25E-04	-5.72E-07
3.00E+02	-6.04E-04	3.12E-04	3.19E-05
3.00E+02	-6.11E-04	2.70E-04	2.48E-06
3.00E+02	-5.76E-04	2.49E-04	2.98E-05
3.00E+02	-5.30E-04	2.47E-04	9.21E-05
3.00E+02	-4.71E-04	2.42E-04	8.91E-05
3.00E+02	-4.47E-04	2.38E-04	1.01E-04
3.00E+02	-4.41E-04	2.57E-04	1.19E-04
3.00E+02	-4.06E-04	3.03E-04	1.24E-04
3.00E+02	-4.10E-04	3.55E-04	1.17E-04
3.00E+02	-4.47E-04	3.86E-04	5.02E-05
3.00E+02	-4.80E-04	4.11E-04	1.16E-05
3.00E+02	-5.15E-04	4.54E-04	6.29E-06

3.00E+02	-5.47E-04	4.88E-04	-9.73E-06
3.00E+02	-6.18E-04	5.12E-04	3.78E-05
3.00E+02	-6.95E-04	5.32E-04	1.06E-04
3.00E+02	-7.08E-04	5.60E-04	1.73E-04
3.00E+02	-7.28E-04	5.70E-04	2.51E-04
3.00E+02	-7.70E-04	5.34E-04	2.69E-04
3.00E+02	-7.79E-04	5.04E-04	3.10E-04
3.00E+02	-7.65E-04	4.71E-04	3.71E-04
3.00E+02	-7.34E-04	4.07E-04	3.28E-04
3.00E+02	-7.34E-04	3.36E-04	2.91E-04
3.00E+02	-7.63E-04	2.72E-04	2.88E-04
3.00E+02	-7.42E-04	2.49E-04	2.74E-04
3.00E+02	-7.36E-04	2.42E-04	2.53E-04
3.00E+02	-7.47E-04	2.21E-04	1.59E-04
3.00E+02	-7.12E-04	2.28E-04	9.19E-05
3.00E+02	-6.57E-04	2.49E-04	1.02E-04
3.00E+02	-5.84E-04	2.83E-04	1.05E-04
3.00E+02	-5.61E-04	3.17E-04	9.98E-05
3.00E+02	-5.73E-04	3.27E-04	6.26E-05
3.00E+02	-5.34E-04	3.53E-04	3.51E-05
3.00E+02	-5.32E-04	3.48E-04	3.66E-05
3.00E+02	-5.84E-04	2.78E-04	-1.34E-05
3.00E+02	-6.28E-04	2.10E-04	-2.96E-05
3.00E+02	-6.73E-04	1.45E-04	3.19E-05
3.00E+02	-6.96E-04	7.69E-05	6.05E-05
3.00E+02	-7.34E-04	3.01E-05	1.09E-04
3.00E+02	-7.98E-04	6.10E-06	1.98E-04
3.00E+02	-8.05E-04	1.43E-05	2.82E-04
3.00E+02	-8.11E-04	2.99E-05	3.70E-04
3.00E+02	-8.52E-04	1.09E-05	3.75E-04
3.00E+02	-8.58E-04	-1.66E-05	3.53E-04
3.00E+02	-8.27E-04	-2.52E-05	3.88E-04
3.00E+02	-7.71E-04	-5.30E-05	3.73E-04
3.00E+02	-7.23E-04	-9.73E-05	3.23E-04
3.00E+02	-6.83E-04	-1.16E-04	2.90E-04
3.00E+02	-5.94E-04	-1.29E-04	2.55E-04
3.00E+02	-5.11E-04	-1.42E-04	2.40E-04
3.00E+02	-4.75E-04	-1.65E-04	1.77E-04
3.00E+02	-4.38E-04	-2.01E-04	9.65E-05
3.00E+02	-3.97E-04	-2.11E-04	9.23E-05
3.00E+02	-3.55E-04	-2.21E-04	5.26E-05
3.00E+02	-3.36E-04	-2.43E-04	4.01E-06
3.00E+02	-3.48E-04	-2.47E-04	2.50E-05
3.00E+02	-3.22E-04	-2.21E-04	7.46E-05
3.00E+02	-2.99E-04	-1.79E-04	1.49E-04
3.00E+02	-3.18E-04	-1.63E-04	1.67E-04
3.00E+02	-3.18E-04	-1.59E-04	1.59E-04

3.00E+02	-3.12E-04	-1.34E-04	2.07E-04
3.00E+02	-3.03E-04	-1.29E-04	2.12E-04
3.00E+02	-3.24E-04	-1.34E-04	2.17E-04
3.00E+02	-4.02E-04	-1.30E-04	2.38E-04
3.00E+02	-4.49E-04	-1.20E-04	1.92E-04
3.00E+02	-4.75E-04	-7.00E-05	1.82E-04
3.00E+02	-5.33E-04	-3.99E-05	1.67E-04
3.00E+02	-5.65E-04	-4.88E-05	9.69E-05
3.00E+02	-5.60E-04	-2.75E-05	1.04E-04
3.00E+02	-5.17E-04	-1.14E-05	1.12E-04
3.00E+02	-4.50E-04	-2.38E-05	1.09E-04
3.00E+02	-4.32E-04	-4.44E-05	1.50E-04
3.00E+02	-3.86E-04	-4.43E-05	1.85E-04
3.00E+02	-3.18E-04	-8.01E-06	2.27E-04
3.00E+02	-3.14E-04	1.35E-05	2.00E-04
3.00E+02	-2.92E-04	3.09E-05	1.18E-04
3.00E+02	-2.75E-04	5.02E-05	1.08E-04
3.00E+02	-2.67E-04	4.73E-05	1.04E-04
3.00E+02	-2.62E-04	3.45E-05	8.58E-05
3.00E+02	-3.40E-04	-9.92E-06	7.55E-05
3.00E+02	-3.90E-04	-7.11E-05	4.04E-05
3.00E+02	-4.09E-04	-1.05E-04	5.95E-05
3.00E+02	-4.97E-04	-1.46E-04	8.41E-05
3.00E+02	-5.78E-04	-2.05E-04	5.36E-05
3.00E+02	-6.38E-04	-2.31E-04	9.17E-05
3.00E+02	-6.80E-04	-2.53E-04	1.07E-04
3.00E+02	-7.04E-04	-3.05E-04	5.49E-05
3.00E+02	-7.70E-04	-3.49E-04	5.11E-05
3.00E+02	-8.08E-04	-3.49E-04	7.17E-05
3.00E+02	-7.93E-04	-3.01E-04	1.32E-04
3.00E+02	-8.20E-04	-2.57E-04	1.53E-04
3.00E+02	-8.41E-04	-2.40E-04	7.80E-05
3.00E+02	-8.29E-04	-1.93E-04	7.27E-05
3.00E+02	-7.98E-04	-1.26E-04	1.11E-04
3.00E+02	-7.70E-04	-8.26E-05	1.06E-04
3.00E+02	-7.92E-04	-4.65E-05	1.14E-04
3.00E+02	-7.84E-04	-1.83E-05	1.22E-04
3.00E+02	-7.33E-04	1.35E-05	1.59E-04
3.00E+02	-7.23E-04	1.75E-05	1.92E-04
3.00E+02	-7.38E-04	-3.62E-05	1.52E-04
3.00E+02	-7.55E-04	-6.83E-05	1.49E-04
3.00E+02	-7.76E-04	-9.48E-05	1.32E-04
3.00E+02	-8.04E-04	-1.46E-04	5.00E-05
3.00E+02	-8.65E-04	-1.71E-04	2.46E-05
3.00E+02	-9.00E-04	-1.66E-04	4.67E-05
3.00E+02	-8.77E-04	-1.23E-04	1.09E-04
3.00E+02	-8.72E-04	-7.74E-05	1.69E-04

3.00E+02	-8.75E-04	-6.18E-05	1.73E-04
3.00E+02	-8.52E-04	-3.60E-05	2.27E-04
3.00E+02	-8.15E-04	-3.43E-06	2.81E-04
3.00E+02	-7.73E-04	1.16E-05	2.68E-04
3.00E+02	-7.79E-04	1.98E-05	2.53E-04
3.00E+02	-7.88E-04	2.67E-05	2.08E-04
3.00E+02	-7.44E-04	5.91E-05	1.70E-04
3.00E+02	-7.27E-04	1.01E-04	1.26E-04
3.00E+02	-7.28E-04	1.13E-04	3.95E-05
3.00E+02	-7.20E-04	1.28E-04	2.08E-05
3.00E+02	-7.14E-04	1.25E-04	3.45E-05
3.00E+02	-6.91E-04	8.49E-05	1.60E-05
3.00E+02	-7.29E-04	2.65E-05	2.19E-05
3.00E+02	-7.92E-04	-2.69E-05	5.44E-05
3.00E+02	-7.96E-04	-3.57E-05	1.22E-04
3.00E+02	-8.55E-04	-6.26E-05	1.74E-04
3.00E+02	-9.47E-04	-1.28E-04	1.52E-04
3.00E+02	-9.94E-04	-1.67E-04	1.71E-04
3.00E+02	-1.01E-03	-1.99E-04	2.51E-04
3.00E+02	-9.94E-04	-2.19E-04	3.01E-04
3.00E+02	-1.00E-03	-2.23E-04	3.16E-04
3.00E+02	-1.02E-03	-2.27E-04	2.74E-04
3.00E+02	-9.69E-04	-1.96E-04	2.33E-04
3.00E+02	-9.16E-04	-1.58E-04	2.24E-04
3.00E+02	-8.97E-04	-1.62E-04	1.51E-04
3.00E+02	-8.52E-04	-1.51E-04	1.05E-04
3.00E+02	-7.83E-04	-1.34E-04	1.16E-04
3.00E+02	-7.16E-04	-1.43E-04	8.34E-05
3.00E+02	-6.66E-04	-1.38E-04	9.65E-05
3.00E+02	-6.49E-04	-1.33E-04	1.38E-04
3.00E+02	-6.04E-04	-1.04E-04	1.76E-04
3.00E+02	-5.77E-04	-5.68E-05	2.26E-04
3.00E+02	-5.98E-04	-6.56E-05	1.77E-04
3.00E+02	-6.03E-04	-7.51E-05	1.31E-04
3.00E+02	-6.11E-04	-5.97E-05	1.67E-04
3.00E+02	-6.16E-04	-6.26E-05	1.54E-04
3.00E+02	-6.52E-04	-6.85E-05	1.39E-04
3.00E+02	-7.19E-04	-7.02E-05	1.49E-04
3.01E+02	-7.21E-04	-4.86E-05	1.46E-04
3.01E+02	-7.12E-04	-6.68E-06	1.60E-04
3.01E+02	-7.30E-04	2.06E-05	1.26E-04
3.01E+02	-7.25E-04	6.90E-05	1.06E-04
3.01E+02	-7.01E-04	1.42E-04	1.51E-04
3.01E+02	-6.65E-04	1.86E-04	1.27E-04
3.01E+02	-6.56E-04	1.99E-04	8.07E-05
3.01E+02	-6.76E-04	1.83E-04	7.34E-05
3.01E+02	-6.67E-04	1.58E-04	1.03E-04

3.01E+02	-6.57E-04	1.37E-04	1.76E-04
3.01E+02	-6.91E-04	8.18E-05	1.93E-04
3.01E+02	-7.23E-04	2.77E-05	1.76E-04
3.01E+02	-7.23E-04	-5.72E-07	1.70E-04
3.01E+02	-7.04E-04	-2.71E-05	1.10E-04
3.01E+02	-7.14E-04	-3.20E-05	7.23E-05
3.01E+02	-7.62E-04	-1.75E-05	9.31E-05
3.01E+02	-7.55E-04	1.51E-05	9.29E-05
3.01E+02	-7.24E-04	7.50E-05	7.00E-05
3.01E+02	-7.37E-04	1.10E-04	3.09E-05
3.01E+02	-7.19E-04	1.15E-04	5.05E-05
3.01E+02	-6.81E-04	1.07E-04	1.32E-04
3.01E+02	-6.45E-04	6.94E-05	1.40E-04
3.01E+02	-6.28E-04	3.41E-05	1.44E-04
3.01E+02	-6.65E-04	7.63E-07	1.85E-04
3.01E+02	-6.69E-04	-4.20E-05	1.90E-04
3.01E+02	-6.50E-04	-6.41E-05	2.00E-04
3.01E+02	-6.73E-04	-8.98E-05	1.67E-04
3.01E+02	-6.87E-04	-1.04E-04	1.04E-04
3.01E+02	-6.69E-04	-4.60E-05	1.05E-04
3.01E+02	-6.25E-04	4.01E-05	1.16E-04
3.01E+02	-5.94E-04	1.29E-04	1.43E-04
3.01E+02	-6.05E-04	2.10E-04	1.67E-04
3.01E+02	-5.90E-04	2.46E-04	1.42E-04
3.01E+02	-5.60E-04	2.76E-04	1.31E-04
3.01E+02	-5.86E-04	2.74E-04	9.67E-05
3.01E+02	-6.12E-04	2.40E-04	4.67E-05
3.01E+02	-6.23E-04	2.29E-04	7.10E-05
3.01E+02	-6.23E-04	2.08E-04	7.34E-05
3.01E+02	-6.17E-04	1.92E-04	4.77E-05
3.01E+02	-6.39E-04	1.86E-04	6.75E-05
3.01E+02	-6.24E-04	1.91E-04	9.42E-05
3.01E+02	-5.81E-04	2.25E-04	1.62E-04
3.01E+02	-5.91E-04	2.26E-04	1.83E-04
3.01E+02	-6.01E-04	1.94E-04	1.22E-04
3.01E+02	-5.95E-04	1.63E-04	1.11E-04
3.01E+02	-5.79E-04	1.33E-04	7.17E-05
3.01E+02	-5.65E-04	1.05E-04	-1.53E-06
3.01E+02	-6.03E-04	6.69E-05	-3.80E-05
3.01E+02	-6.09E-04	4.73E-05	-8.37E-05
3.01E+02	-5.84E-04	4.65E-05	-8.60E-05
3.01E+02	-5.95E-04	2.84E-05	-7.04E-05
3.01E+02	-5.90E-04	5.53E-06	-8.41E-05
3.01E+02	-5.90E-04	-1.28E-05	-2.35E-05
3.01E+02	-5.93E-04	-5.17E-05	3.62E-05
3.01E+02	-6.02E-04	-1.18E-04	2.50E-05
3.01E+02	-6.77E-04	-1.71E-04	3.60E-05

3.01E+02	-7.30E-04	-1.88E-04	4.16E-05
3.01E+02	-7.30E-04	-1.60E-04	8.60E-05
3.01E+02	-7.53E-04	-1.16E-04	1.45E-04
3.01E+02	-7.50E-04	-1.05E-04	1.33E-04
3.01E+02	-7.07E-04	-8.47E-05	1.68E-04
3.01E+02	-6.44E-04	-5.87E-05	1.94E-04
3.01E+02	-5.60E-04	-5.25E-05	1.64E-04
3.01E+02	-5.09E-04	-3.64E-05	1.60E-04
3.01E+02	-4.58E-04	-2.99E-05	1.20E-04
3.01E+02	-3.80E-04	-2.08E-05	7.36E-05
3.01E+02	-3.54E-04	-1.20E-05	2.82E-05
3.01E+02	-3.64E-04	-4.63E-05	-5.65E-05
3.01E+02	-3.69E-04	-7.78E-05	-5.11E-05
3.01E+02	-3.82E-04	-1.10E-04	3.62E-06
3.01E+02	-4.00E-04	-1.76E-04	-6.87E-06
3.01E+02	-4.72E-04	-2.50E-04	-1.66E-05
3.01E+02	-5.61E-04	-3.12E-04	-2.54E-05
3.01E+02	-5.90E-04	-3.21E-04	-1.62E-05
3.01E+02	-6.50E-04	-3.26E-04	-2.42E-05
3.01E+02	-7.22E-04	-3.48E-04	-1.14E-04
3.01E+02	-7.43E-04	-3.36E-04	-1.37E-04
3.01E+02	-7.49E-04	-3.29E-04	-1.03E-04
3.01E+02	-7.25E-04	-3.28E-04	-8.96E-05
3.01E+02	-7.29E-04	-3.27E-04	-4.18E-05
3.01E+02	-7.48E-04	-3.46E-04	-1.11E-05
3.01E+02	-7.08E-04	-3.52E-04	1.96E-05
3.01E+02	-6.88E-04	-3.52E-04	6.07E-05
3.01E+02	-6.91E-04	-3.73E-04	1.81E-05
3.01E+02	-6.69E-04	-3.69E-04	9.54E-06
3.01E+02	-6.24E-04	-3.34E-04	4.77E-05
3.01E+02	-5.59E-04	-3.14E-04	-1.91E-07
3.01E+02	-5.29E-04	-2.88E-04	-3.93E-05
3.01E+02	-5.03E-04	-2.39E-04	-6.05E-05
3.01E+02	-4.32E-04	-1.64E-04	-7.69E-05
3.01E+02	-3.92E-04	-9.08E-05	-6.45E-05
3.01E+02	-3.85E-04	-7.97E-05	-1.29E-04
3.01E+02	-3.79E-04	-8.56E-05	-1.77E-04
3.01E+02	-3.80E-04	-8.34E-05	-1.60E-04
3.01E+02	-3.78E-04	-9.61E-05	-1.71E-04
3.01E+02	-4.30E-04	-1.05E-04	-1.67E-04
3.01E+02	-5.11E-04	-1.13E-04	-1.64E-04
3.01E+02	-5.27E-04	-9.75E-05	-1.28E-04
3.01E+02	-5.45E-04	-7.55E-05	-3.91E-05
3.01E+02	-5.80E-04	-8.32E-05	-2.71E-05
3.01E+02	-5.77E-04	-8.43E-05	-1.53E-05
3.01E+02	-5.50E-04	-7.99E-05	3.85E-05
3.01E+02	-4.79E-04	-8.41E-05	8.01E-06

3.01E+02	-4.17E-04	-1.01E-04	-4.02E-05
3.01E+02	-3.74E-04	-1.26E-04	-5.89E-05
3.01E+02	-2.87E-04	-1.22E-04	-5.40E-05
3.01E+02	-2.31E-04	-1.18E-04	1.53E-06
3.01E+02	-2.14E-04	-1.62E-04	1.28E-05
3.01E+02	-2.01E-04	-2.28E-04	-2.86E-06
3.01E+02	-1.94E-04	-2.72E-04	-1.91E-06
3.01E+02	-1.78E-04	-2.84E-04	-4.43E-05
3.01E+02	-2.39E-04	-2.85E-04	-6.28E-05
3.01E+02	-3.43E-04	-2.89E-04	-8.09E-05
3.01E+02	-3.89E-04	-2.62E-04	-1.42E-04
3.01E+02	-4.35E-04	-2.10E-04	-1.40E-04
3.01E+02	-4.95E-04	-2.03E-04	-1.38E-04
3.01E+02	-5.21E-04	-2.31E-04	-1.57E-04
3.01E+02	-5.12E-04	-2.56E-04	-1.31E-04
3.01E+02	-4.62E-04	-2.88E-04	-1.25E-04
3.01E+02	-4.22E-04	-3.27E-04	-9.78E-05
3.01E+02	-4.03E-04	-3.75E-04	-3.87E-05
3.01E+02	-3.29E-04	-4.05E-04	1.01E-05
3.01E+02	-2.51E-04	-3.94E-04	6.73E-05
3.01E+02	-2.21E-04	-4.05E-04	4.77E-06
3.01E+02	-1.80E-04	-4.32E-04	-1.22E-04
3.01E+02	-1.31E-04	-4.27E-04	-1.64E-04
3.01E+02	-6.48E-05	-4.02E-04	-1.93E-04
3.01E+02	5.72E-07	-3.52E-04	-1.72E-04
3.01E+02	1.77E-05	-3.07E-04	-1.31E-04
3.01E+02	6.52E-05	-2.81E-04	-1.40E-04
3.01E+02	1.25E-04	-2.33E-04	-1.03E-04
3.01E+02	1.25E-04	-2.10E-04	-9.86E-05
3.01E+02	1.28E-04	-2.08E-04	-1.45E-04
3.01E+02	1.26E-04	-1.73E-04	-1.32E-04
3.01E+02	1.22E-04	-1.27E-04	-1.40E-04
3.01E+02	1.10E-04	-8.62E-05	-1.53E-04
3.01E+02	2.56E-05	-6.47E-05	-1.17E-04
3.01E+02	-2.65E-05	-4.58E-05	-7.29E-05
3.01E+02	-4.25E-05	-1.79E-05	1.35E-05
3.01E+02	-9.67E-05	-4.25E-05	4.08E-05
3.01E+02	-1.13E-04	-9.75E-05	-5.72E-07
3.01E+02	-9.29E-05	-1.26E-04	2.46E-05
3.01E+02	-4.25E-05	-1.37E-04	3.80E-05
3.01E+02	2.77E-05	-1.37E-04	3.26E-05
3.01E+02	5.55E-05	-1.45E-04	4.33E-05
3.01E+02	1.34E-04	-1.48E-04	9.73E-06
3.01E+02	2.63E-04	-1.18E-04	4.01E-06
3.01E+02	3.48E-04	-9.35E-05	1.24E-05
3.01E+02	4.25E-04	-7.57E-05	-8.01E-06
3.01E+02	4.80E-04	-4.98E-05	1.16E-05

3.01E+02	5.32E-04	-2.56E-05	5.53E-06
3.01E+02	5.68E-04	8.20E-06	-5.04E-05
3.01E+02	4.93E-04	2.44E-05	-1.03E-04
3.01E+02	4.06E-04	4.02E-05	-1.64E-04
3.01E+02	3.44E-04	8.81E-05	-1.78E-04
3.01E+02	2.29E-04	9.31E-05	-1.76E-04
3.01E+02	1.28E-04	5.44E-05	-2.03E-04
3.01E+02	7.86E-05	2.35E-05	-1.60E-04
3.01E+02	6.75E-05	-7.63E-06	-1.16E-04
3.01E+02	7.67E-05	-3.01E-05	-1.28E-04
3.01E+02	5.78E-05	-5.17E-05	-1.44E-04
3.01E+02	8.45E-05	-7.00E-05	-1.90E-04
3.01E+02	1.72E-04	-5.65E-05	-2.13E-04
3.01E+02	2.32E-04	-3.03E-05	-2.03E-04
3.01E+02	2.82E-04	-2.88E-05	-2.20E-04
3.01E+02	3.43E-04	-1.77E-05	-1.74E-04
3.01E+02	4.10E-04	-3.62E-06	-1.06E-04
3.01E+02	4.56E-04	-5.84E-05	-1.34E-04
3.01E+02	4.36E-04	-1.34E-04	-1.50E-04
3.01E+02	4.00E-04	-1.91E-04	-1.28E-04
3.01E+02	3.91E-04	-2.31E-04	-1.04E-04
3.01E+02	3.43E-04	-2.50E-04	-1.01E-04
3.01E+02	2.80E-04	-2.80E-04	-1.66E-04
3.01E+02	2.54E-04	-2.75E-04	-1.86E-04
3.01E+02	2.42E-04	-2.33E-04	-1.71E-04
3.01E+02	2.44E-04	-1.87E-04	-1.96E-04
3.01E+02	2.15E-04	-1.32E-04	-1.96E-04
3.01E+02	1.91E-04	-9.27E-05	-1.98E-04
3.01E+02	2.26E-04	-4.14E-05	-1.62E-04
3.01E+02	2.25E-04	-5.91E-06	-9.16E-05
3.01E+02	2.03E-04	-3.11E-05	-8.18E-05
3.01E+02	2.03E-04	-3.70E-05	-1.77E-05
3.01E+02	2.03E-04	-3.55E-05	5.89E-05
3.01E+02	2.24E-04	-5.97E-05	4.06E-05
3.01E+02	2.08E-04	-6.39E-05	4.77E-05
3.01E+02	1.75E-04	-6.96E-05	4.67E-05
3.01E+02	1.96E-04	-5.99E-05	3.51E-05
3.01E+02	1.87E-04	-4.18E-05	2.71E-05
3.01E+02	1.59E-04	-7.13E-05	-7.74E-05
3.01E+02	1.60E-04	-8.45E-05	-1.44E-04
3.01E+02	1.79E-04	-6.26E-05	-1.41E-04
3.01E+02	2.26E-04	-3.51E-05	-1.48E-04
3.01E+02	2.37E-04	5.53E-06	-1.20E-04
3.01E+02	2.24E-04	4.44E-05	-1.24E-04
3.01E+02	2.55E-04	9.67E-05	-1.28E-04
3.01E+02	2.64E-04	1.50E-04	-8.91E-05
3.01E+02	2.23E-04	1.61E-04	-1.10E-04

3.01E+02	1.93E-04	1.63E-04	-1.11E-04
3.01E+02	1.85E-04	1.79E-04	-7.40E-05
3.01E+02	2.13E-04	1.78E-04	-7.88E-05
3.02E+02	2.33E-04	1.72E-04	-5.17E-05
3.02E+02	2.40E-04	1.72E-04	-2.14E-05
3.02E+02	3.07E-04	1.97E-04	4.39E-06
3.02E+02	3.66E-04	2.30E-04	4.43E-05
3.02E+02	3.79E-04	1.96E-04	-1.03E-05
3.02E+02	4.31E-04	1.37E-04	-6.35E-05
3.02E+02	5.06E-04	9.33E-05	-6.62E-05
3.02E+02	5.69E-04	5.07E-05	-9.37E-05
3.02E+02	5.88E-04	4.10E-05	-5.30E-05
3.02E+02	5.55E-04	2.35E-05	-4.69E-05
3.02E+02	5.52E-04	8.96E-06	-1.39E-04
3.02E+02	5.34E-04	4.10E-05	-1.69E-04
3.02E+02	4.60E-04	4.27E-05	-2.01E-04
3.02E+02	3.94E-04	1.07E-05	-2.47E-04
3.02E+02	3.32E-04	-2.59E-05	-2.46E-04
3.02E+02	2.91E-04	-7.95E-05	-2.77E-04
3.02E+02	2.49E-04	-1.32E-04	-2.78E-04
3.02E+02	2.00E-04	-1.82E-04	-2.12E-04
3.02E+02	2.26E-04	-2.22E-04	-1.33E-04
3.02E+02	2.66E-04	-2.41E-04	-3.51E-05
3.02E+02	3.00E-04	-2.70E-04	-2.29E-06
3.02E+02	3.86E-04	-2.91E-04	2.16E-05
3.02E+02	4.83E-04	-2.75E-04	1.09E-04
3.02E+02	5.97E-04	-2.58E-04	1.39E-04
3.02E+02	6.83E-04	-2.26E-04	1.65E-04
3.02E+02	6.86E-04	-1.86E-04	1.84E-04
3.02E+02	7.23E-04	-1.44E-04	1.36E-04
3.02E+02	7.41E-04	-7.11E-05	1.11E-04
3.02E+02	6.64E-04	-3.87E-05	3.57E-05
3.02E+02	6.01E-04	-2.37E-05	-6.62E-05
3.02E+02	5.39E-04	1.70E-05	-8.89E-05
3.02E+02	5.03E-04	2.54E-05	-1.22E-04
3.02E+02	4.79E-04	1.45E-05	-1.20E-04
3.02E+02	4.14E-04	8.39E-06	-4.77E-05
3.02E+02	4.10E-04	1.09E-05	2.10E-05
3.02E+02	4.30E-04	2.71E-05	1.02E-04
3.02E+02	4.06E-04	6.48E-06	1.18E-04
3.02E+02	4.00E-04	-3.99E-05	8.98E-05
3.02E+02	4.21E-04	-5.86E-05	1.06E-04
3.02E+02	4.56E-04	-7.44E-05	8.81E-05
3.02E+02	4.70E-04	-7.55E-05	9.02E-05
3.02E+02	4.47E-04	-5.53E-05	1.13E-04
3.02E+02	4.61E-04	-3.19E-05	8.54E-05
3.02E+02	5.11E-04	1.62E-05	1.04E-04

3.02E+02	5.24E-04	3.80E-05	1.25E-04
3.02E+02	5.29E-04	2.77E-05	1.10E-04
3.02E+02	5.46E-04	2.96E-05	1.29E-04
3.02E+02	5.66E-04	1.37E-05	8.83E-05
3.02E+02	5.70E-04	-5.91E-06	-2.10E-06
3.02E+02	5.22E-04	-1.05E-05	-4.06E-05
3.02E+02	4.92E-04	4.39E-06	-6.16E-05
3.02E+02	4.91E-04	4.86E-05	-4.65E-05
3.02E+02	4.54E-04	6.66E-05	-5.00E-05
3.02E+02	4.27E-04	4.83E-05	-9.23E-05
3.02E+02	4.44E-04	4.41E-05	-3.36E-05
3.02E+02	4.95E-04	3.45E-05	4.23E-05
3.02E+02	5.52E-04	9.16E-06	6.41E-05
3.02E+02	5.87E-04	-3.05E-06	8.98E-05
3.02E+02	6.70E-04	-1.98E-05	8.95E-05
3.02E+02	7.97E-04	-3.51E-05	1.06E-04
3.02E+02	8.68E-04	-6.05E-05	1.02E-04
3.02E+02	9.11E-04	-1.27E-04	5.30E-05
3.02E+02	9.50E-04	-1.74E-04	8.32E-05
3.02E+02	9.70E-04	-2.14E-04	1.12E-04
3.02E+02	9.78E-04	-2.73E-04	9.46E-05
3.02E+02	9.43E-04	-3.08E-04	1.11E-04
3.02E+02	9.21E-04	-3.28E-04	1.11E-04
3.02E+02	9.33E-04	-3.05E-04	1.42E-04
3.02E+02	9.08E-04	-2.63E-04	1.54E-04
3.02E+02	8.92E-04	-2.46E-04	7.74E-05
3.02E+02	9.10E-04	-1.91E-04	7.06E-05
3.02E+02	9.10E-04	-1.36E-04	6.54E-05
3.02E+02	9.04E-04	-1.08E-04	2.80E-05
3.02E+02	8.58E-04	-6.66E-05	4.52E-05
3.02E+02	7.76E-04	-4.73E-05	5.15E-06
3.02E+02	7.30E-04	-1.22E-05	-3.55E-05
3.02E+02	6.46E-04	2.40E-05	-3.66E-05
3.02E+02	5.35E-04	1.72E-05	-4.18E-05
3.02E+02	4.67E-04	3.76E-05	4.75E-05
3.02E+02	4.15E-04	4.98E-05	1.30E-04
3.02E+02	4.10E-04	2.29E-05	1.28E-04
3.02E+02	4.02E-04	-1.11E-05	1.40E-04
3.02E+02	4.10E-04	-5.95E-05	1.34E-04
3.02E+02	4.99E-04	-8.66E-05	1.06E-04
3.02E+02	5.59E-04	-1.21E-04	2.77E-05
3.02E+02	6.03E-04	-1.92E-04	-1.29E-04
3.02E+02	6.78E-04	-2.32E-04	-2.15E-04
3.02E+02	7.51E-04	-2.57E-04	-2.13E-04
3.02E+02	8.04E-04	-2.82E-04	-1.82E-04
3.02E+02	7.94E-04	-2.85E-04	-9.98E-05
3.02E+02	7.62E-04	-3.12E-04	-4.71E-05

3.02E+02	7.52E-04	-3.33E-04	-8.58E-06
3.02E+02	7.10E-04	-3.46E-04	4.48E-05
3.02E+02	6.39E-04	-3.79E-04	3.49E-05
3.02E+02	5.94E-04	-3.57E-04	7.57E-05
3.02E+02	5.69E-04	-3.06E-04	1.31E-04
3.02E+02	5.59E-04	-2.72E-04	1.06E-04
3.02E+02	5.47E-04	-2.13E-04	1.28E-04
3.02E+02	5.47E-04	-1.39E-04	1.65E-04
3.02E+02	5.99E-04	-5.28E-05	2.32E-04
3.02E+02	6.27E-04	2.10E-06	3.13E-04
3.02E+02	6.33E-04	-1.45E-05	2.41E-04
3.02E+02	6.52E-04	-2.35E-05	1.54E-04
3.02E+02	6.57E-04	-1.14E-05	1.58E-04
3.02E+02	6.59E-04	-1.16E-05	1.49E-04
3.02E+02	6.22E-04	-3.47E-05	8.70E-05
3.02E+02	5.43E-04	-7.31E-05	-1.93E-05
3.02E+02	5.00E-04	-6.52E-05	-5.51E-05
3.02E+02	4.62E-04	-5.04E-05	-3.89E-05
3.02E+02	3.97E-04	-7.86E-05	-1.43E-04
3.02E+02	3.59E-04	-9.44E-05	-2.20E-04
3.02E+02	3.57E-04	-8.49E-05	-1.90E-04
3.02E+02	3.89E-04	-6.48E-05	-2.04E-04
3.02E+02	4.15E-04	-5.70E-05	-1.93E-04
3.02E+02	4.22E-04	-7.06E-05	-1.49E-04
3.02E+02	4.87E-04	-6.87E-05	-1.06E-04
3.02E+02	5.43E-04	-7.13E-05	-2.80E-05
3.02E+02	5.46E-04	-1.21E-04	-2.48E-05
3.02E+02	5.52E-04	-1.74E-04	-4.12E-05
3.02E+02	5.44E-04	-1.90E-04	-3.05E-06
3.02E+02	5.28E-04	-1.92E-04	8.20E-06
3.02E+02	4.67E-04	-1.90E-04	2.31E-05
3.02E+02	3.71E-04	-1.77E-04	2.16E-05
3.02E+02	3.24E-04	-1.51E-04	1.35E-05
3.02E+02	2.85E-04	-9.99E-05	7.19E-05
3.02E+02	2.43E-04	-5.87E-05	9.69E-05
3.02E+02	2.33E-04	-2.77E-05	9.67E-05
3.02E+02	2.45E-04	2.08E-05	1.46E-04
3.02E+02	2.96E-04	3.97E-05	1.49E-04
3.02E+02	3.39E-04	3.68E-05	1.10E-04
3.02E+02	3.56E-04	4.77E-05	8.24E-05
3.02E+02	4.16E-04	7.57E-05	6.37E-05
3.02E+02	4.67E-04	1.21E-04	4.98E-05
3.02E+02	4.65E-04	1.36E-04	-3.19E-05
3.02E+02	4.78E-04	1.32E-04	-1.14E-04
3.02E+02	4.97E-04	1.41E-04	-1.06E-04
3.02E+02	5.12E-04	1.37E-04	-9.46E-05
3.02E+02	5.02E-04	1.25E-04	-8.85E-05

3.02E+02	4.42E-04	1.02E-04	-1.00E-04
3.02E+02	4.26E-04	8.79E-05	-1.45E-04
3.02E+02	4.41E-04	1.26E-04	-1.28E-04
3.02E+02	4.17E-04	1.46E-04	-1.35E-04
3.02E+02	4.22E-04	1.52E-04	-1.74E-04
3.02E+02	4.63E-04	2.01E-04	-1.13E-04
3.02E+02	5.22E-04	2.32E-04	-6.54E-05
3.02E+02	5.78E-04	2.23E-04	-4.62E-05
3.02E+02	5.85E-04	1.91E-04	-2.29E-06
3.02E+02	6.30E-04	1.56E-04	3.49E-05
3.02E+02	6.79E-04	1.48E-04	9.27E-05
3.02E+02	6.65E-04	9.92E-05	8.53E-05
3.02E+02	6.49E-04	3.30E-05	3.53E-05
3.02E+02	6.26E-04	2.04E-05	4.43E-05
3.02E+02	6.07E-04	1.18E-05	3.47E-05
3.02E+02	5.57E-04	5.53E-06	1.75E-05
3.02E+02	4.49E-04	8.39E-06	5.72E-06
3.02E+02	3.95E-04	1.75E-05	-4.96E-05
3.02E+02	3.82E-04	6.73E-05	-7.86E-05
3.02E+02	3.51E-04	1.16E-04	-9.14E-05
3.02E+02	3.49E-04	1.59E-04	-1.04E-04
3.02E+02	3.82E-04	2.44E-04	-4.65E-05
3.02E+02	4.44E-04	3.29E-04	-3.38E-05
3.02E+02	5.16E-04	3.92E-04	-8.98E-05
3.02E+02	5.53E-04	4.43E-04	-1.33E-04
3.02E+02	6.03E-04	4.83E-04	-1.92E-04
3.02E+02	6.73E-04	5.41E-04	-1.98E-04
3.02E+02	6.78E-04	5.52E-04	-2.14E-04
3.02E+02	6.68E-04	4.95E-04	-2.72E-04
3.02E+02	6.82E-04	4.61E-04	-2.36E-04
3.02E+02	6.71E-04	3.99E-04	-2.04E-04
3.02E+02	6.44E-04	3.07E-04	-1.86E-04
3.02E+02	5.75E-04	2.42E-04	-1.07E-04
3.02E+02	5.09E-04	1.77E-04	-6.12E-05
3.02E+02	4.87E-04	1.63E-04	-3.40E-05
3.02E+02	4.32E-04	1.75E-04	-3.45E-05
3.02E+02	3.72E-04	1.79E-04	-9.08E-05
3.02E+02	3.47E-04	2.22E-04	-7.92E-05
3.02E+02	3.40E-04	2.52E-04	-4.48E-05
3.02E+02	3.40E-04	2.49E-04	-7.36E-05
3.02E+02	2.98E-04	2.22E-04	-9.42E-05
3.02E+02	2.76E-04	1.87E-04	-1.06E-04
3.02E+02	2.96E-04	1.75E-04	-1.00E-04
3.02E+02	2.78E-04	1.47E-04	-1.17E-04
3.02E+02	2.67E-04	1.18E-04	-1.85E-04
3.02E+02	2.58E-04	1.12E-04	-1.92E-04
3.02E+02	2.38E-04	1.23E-04	-1.70E-04

3.02E+02	2.29E-04	1.58E-04	-1.80E-04
3.02E+02	1.71E-04	1.99E-04	-1.81E-04
3.02E+02	1.25E-04	2.35E-04	-2.05E-04
3.02E+02	1.34E-04	2.75E-04	-2.18E-04
3.02E+02	1.21E-04	2.97E-04	-1.85E-04
3.02E+02	1.03E-04	2.94E-04	-1.76E-04
3.02E+02	1.19E-04	3.19E-04	-1.11E-04
3.02E+02	1.63E-04	3.52E-04	-1.58E-05
3.02E+02	2.25E-04	3.57E-04	8.01E-06
3.02E+02	2.45E-04	3.58E-04	5.53E-05
3.02E+02	2.68E-04	3.29E-04	5.42E-05
3.02E+02	3.43E-04	3.14E-04	-2.37E-05
3.02E+02	3.69E-04	3.33E-04	-8.20E-05
3.02E+02	3.49E-04	3.42E-04	-1.55E-04
3.02E+02	3.47E-04	3.72E-04	-2.03E-04
3.03E+02	3.50E-04	4.08E-04	-2.43E-04
3.03E+02	3.39E-04	4.48E-04	-2.55E-04
3.03E+02	2.75E-04	4.89E-04	-1.81E-04
3.03E+02	2.21E-04	4.97E-04	-1.53E-04
3.03E+02	2.28E-04	5.30E-04	-1.26E-04
3.03E+02	2.17E-04	5.51E-04	-5.46E-05
3.03E+02	2.04E-04	5.22E-04	-7.13E-05
3.03E+02	2.46E-04	5.18E-04	-7.00E-05
3.03E+02	3.16E-04	5.26E-04	-8.20E-06
3.03E+02	3.99E-04	5.14E-04	-1.98E-05
3.03E+02	4.55E-04	4.84E-04	-5.36E-05
3.03E+02	4.95E-04	4.46E-04	-7.15E-05
3.03E+02	5.59E-04	4.25E-04	-6.79E-05
3.03E+02	5.73E-04	3.87E-04	-8.68E-05
3.03E+02	5.33E-04	3.20E-04	-1.97E-04
3.03E+02	4.97E-04	2.81E-04	-2.42E-04
3.03E+02	4.58E-04	2.72E-04	-2.14E-04
3.03E+02	4.23E-04	2.74E-04	-2.27E-04
3.03E+02	3.51E-04	2.98E-04	-2.07E-04
3.03E+02	2.60E-04	3.26E-04	-1.83E-04
3.03E+02	2.41E-04	3.66E-04	-1.92E-04
3.03E+02	2.24E-04	4.05E-04	-1.91E-04
3.03E+02	1.99E-04	3.97E-04	-2.19E-04
3.03E+02	2.19E-04	3.83E-04	-2.15E-04
3.03E+02	2.50E-04	3.86E-04	-1.54E-04
3.03E+02	2.89E-04	3.77E-04	-1.55E-04
3.03E+02	2.99E-04	3.60E-04	-1.63E-04
3.03E+02	2.71E-04	3.48E-04	-1.44E-04
3.03E+02	2.68E-04	3.57E-04	-1.12E-04
3.03E+02	2.50E-04	3.75E-04	-6.62E-05
3.03E+02	2.08E-04	3.58E-04	-1.20E-04
3.03E+02	2.04E-04	3.51E-04	-1.44E-04

3.03E+02	2.15E-04	3.78E-04	-7.21E-05
3.03E+02	2.54E-04	3.94E-04	-2.65E-05
3.03E+02	2.95E-04	4.20E-04	5.95E-05
3.03E+02	2.97E-04	4.39E-04	1.29E-04
3.03E+02	3.42E-04	4.54E-04	1.47E-04
3.03E+02	3.81E-04	5.00E-04	1.72E-04
3.03E+02	3.65E-04	5.31E-04	1.28E-04
3.03E+02	3.56E-04	5.62E-04	8.77E-05
3.03E+02	3.40E-04	6.04E-04	1.09E-04
3.03E+02	3.27E-04	6.09E-04	7.40E-05
3.03E+02	2.83E-04	5.98E-04	2.37E-05
3.03E+02	1.90E-04	5.83E-04	1.11E-05
3.03E+02	1.45E-04	5.88E-04	2.10E-06
3.03E+02	1.08E-04	6.09E-04	9.73E-06
3.03E+02	3.60E-05	5.95E-04	-4.86E-05
3.03E+02	3.43E-06	5.74E-04	-1.45E-04
3.03E+02	1.34E-06	5.82E-04	-1.75E-04
3.03E+02	1.96E-05	5.98E-04	-2.07E-04
3.03E+02	3.34E-05	6.30E-04	-2.12E-04
3.03E+02	1.51E-05	6.64E-04	-1.74E-04
3.03E+02	5.44E-05	6.92E-04	-1.41E-04
3.03E+02	1.16E-04	7.20E-04	-5.55E-05
3.03E+02	1.27E-04	7.11E-04	2.61E-05
3.03E+02	1.33E-04	6.79E-04	7.82E-05
3.03E+02	1.33E-04	6.56E-04	1.65E-04
3.03E+02	1.51E-04	6.36E-04	2.00E-04
3.03E+02	1.51E-04	5.96E-04	1.60E-04
3.03E+02	9.61E-05	5.40E-04	1.22E-04
3.03E+02	9.33E-05	5.17E-04	9.94E-05
3.03E+02	1.04E-04	5.00E-04	1.00E-04
3.03E+02	6.26E-05	4.43E-04	5.74E-05
3.03E+02	3.41E-05	3.73E-04	-2.19E-05
3.03E+02	3.03E-05	3.19E-04	-1.47E-05
3.03E+02	4.69E-05	2.74E-04	1.60E-05
3.03E+02	6.35E-05	2.42E-04	1.35E-05
3.03E+02	3.83E-05	2.19E-04	1.45E-05
3.03E+02	4.77E-05	2.17E-04	-2.19E-05
3.03E+02	1.01E-04	2.61E-04	-5.49E-05
3.03E+02	1.10E-04	2.97E-04	-8.49E-05
3.03E+02	1.22E-04	3.11E-04	-1.21E-04
3.03E+02	1.53E-04	3.42E-04	-5.82E-05
3.03E+02	1.87E-04	3.48E-04	5.91E-06
3.03E+02	2.12E-04	3.17E-04	6.48E-06
3.03E+02	1.75E-04	2.85E-04	2.29E-05
3.03E+02	1.46E-04	2.60E-04	1.83E-05
3.03E+02	1.41E-04	2.68E-04	1.32E-05
3.03E+02	9.23E-05	2.80E-04	-1.47E-05

3.03E+02	4.98E-05	2.65E-04	-8.60E-05
3.03E+02	3.74E-05	2.71E-04	-9.08E-05
3.03E+02	6.48E-05	2.87E-04	-6.96E-05
3.03E+02	1.18E-04	2.90E-04	-4.56E-05
3.03E+02	1.29E-04	2.91E-04	1.03E-05
3.03E+02	1.67E-04	2.79E-04	2.75E-05
3.03E+02	2.46E-04	2.89E-04	4.75E-05
3.03E+02	2.74E-04	2.96E-04	6.05E-05
3.03E+02	2.78E-04	2.90E-04	3.05E-05
3.03E+02	2.79E-04	3.20E-04	6.37E-05
3.03E+02	2.66E-04	3.45E-04	9.40E-05
3.03E+02	2.41E-04	3.58E-04	9.04E-05
3.03E+02	1.70E-04	3.50E-04	9.90E-05
3.03E+02	1.11E-04	3.25E-04	6.18E-05
3.03E+02	9.35E-05	3.56E-04	9.00E-05
3.03E+02	3.45E-05	3.58E-04	1.16E-04
3.03E+02	-2.40E-05	3.12E-04	1.77E-05
3.03E+02	-3.36E-05	2.99E-04	-4.04E-05
3.03E+02	-4.39E-05	2.92E-04	-5.44E-05
3.03E+02	-3.91E-05	2.81E-04	-4.58E-05
3.03E+02	-4.48E-05	2.61E-04	-2.33E-05
3.03E+02	-5.19E-05	2.30E-04	-1.81E-05
3.03E+02	-9.92E-06	2.06E-04	6.83E-05
3.03E+02	3.81E-07	1.50E-04	1.41E-04
3.03E+02	-1.87E-05	4.81E-05	1.07E-04
3.03E+02	-2.69E-05	-2.99E-05	1.19E-04
3.03E+02	-4.33E-05	-7.34E-05	1.44E-04
3.03E+02	-3.76E-05	-1.17E-04	9.63E-05
3.03E+02	-5.23E-05	-1.44E-04	8.91E-05
3.03E+02	-8.20E-05	-1.42E-04	1.31E-04
3.03E+02	-5.87E-05	-1.07E-04	2.20E-04
3.03E+02	-7.11E-05	-7.53E-05	3.15E-04
3.03E+02	-1.24E-04	-9.19E-05	3.05E-04
3.03E+02	-1.51E-04	-1.07E-04	3.07E-04
3.03E+02	-1.80E-04	-1.01E-04	3.41E-04
3.03E+02	-2.07E-04	-1.04E-04	3.06E-04
3.03E+02	-2.75E-04	-9.31E-05	2.74E-04
3.03E+02	-3.48E-04	-6.26E-05	2.34E-04
3.03E+02	-3.65E-04	-1.75E-05	1.64E-04
3.03E+02	-4.04E-04	2.38E-05	1.20E-04
3.03E+02	-4.44E-04	2.96E-05	4.71E-05
3.03E+02	-4.60E-04	5.25E-05	2.19E-05
3.03E+02	-4.62E-04	1.09E-04	5.21E-05
3.03E+02	-4.27E-04	1.41E-04	-3.81E-06
3.03E+02	-4.10E-04	1.54E-04	-5.26E-05
3.03E+02	-4.12E-04	1.62E-04	-3.89E-05
3.03E+02	-3.63E-04	1.86E-04	2.02E-05

3.03E+02	-3.26E-04	2.04E-04	1.02E-04
3.03E+02	-3.24E-04	1.61E-04	1.03E-04
3.03E+02	-2.87E-04	1.02E-04	1.32E-04
3.03E+02	-2.53E-04	5.25E-05	2.17E-04
3.03E+02	-2.18E-04	-1.07E-05	2.39E-04
3.03E+02	-2.11E-04	-5.40E-05	2.62E-04
3.03E+02	-2.44E-04	-7.74E-05	2.78E-04
3.03E+02	-2.20E-04	-7.63E-05	2.85E-04
3.03E+02	-2.14E-04	-6.14E-05	3.35E-04
3.03E+02	-2.56E-04	-7.82E-05	3.37E-04
3.03E+02	-2.77E-04	-1.04E-04	3.52E-04
3.03E+02	-2.99E-04	-1.36E-04	4.03E-04
3.03E+02	-3.00E-04	-1.96E-04	3.67E-04
3.03E+02	-3.22E-04	-2.70E-04	3.24E-04
3.03E+02	-3.65E-04	-3.19E-04	3.21E-04
3.03E+02	-3.31E-04	-3.05E-04	3.43E-04
3.03E+02	-2.97E-04	-2.85E-04	3.56E-04
3.03E+02	-2.93E-04	-2.86E-04	2.71E-04
3.03E+02	-2.52E-04	-2.66E-04	1.91E-04
3.03E+02	-1.94E-04	-2.26E-04	1.80E-04
3.03E+02	-1.22E-04	-1.78E-04	1.58E-04
3.03E+02	-8.66E-05	-1.37E-04	1.35E-04
3.03E+02	-1.04E-04	-1.31E-04	8.81E-05
3.03E+02	-9.38E-05	-1.29E-04	4.88E-05
3.03E+02	-8.89E-05	-1.07E-04	8.74E-05
3.03E+02	-1.27E-04	-1.08E-04	1.09E-04
3.03E+02	-1.74E-04	-1.31E-04	1.22E-04
3.03E+02	-2.06E-04	-1.46E-04	1.81E-04
3.03E+02	-2.08E-04	-1.77E-04	1.80E-04
3.03E+02	-2.16E-04	-2.14E-04	1.66E-04
3.03E+02	-2.33E-04	-2.21E-04	2.15E-04
3.03E+02	-2.29E-04	-2.16E-04	2.59E-04
3.03E+02	-2.39E-04	-2.07E-04	3.08E-04
3.03E+02	-2.90E-04	-2.23E-04	2.81E-04
3.03E+02	-3.53E-04	-2.63E-04	2.00E-04
3.03E+02	-4.00E-04	-2.75E-04	2.03E-04
3.03E+02	-4.33E-04	-2.83E-04	2.06E-04
3.03E+02	-4.88E-04	-2.94E-04	2.23E-04
3.03E+02	-5.75E-04	-2.94E-04	2.61E-04
3.03E+02	-6.06E-04	-2.87E-04	2.68E-04
3.03E+02	-6.02E-04	-2.60E-04	2.98E-04
3.03E+02	-6.27E-04	-2.45E-04	2.68E-04
3.03E+02	-6.23E-04	-2.39E-04	1.88E-04
3.03E+02	-5.85E-04	-2.10E-04	1.49E-04
3.03E+02	-5.15E-04	-1.81E-04	5.42E-05
3.03E+02	-4.30E-04	-1.64E-04	-6.71E-05
3.03E+02	-3.86E-04	-1.53E-04	-1.21E-04

3.03E+02	-3.18E-04	-1.38E-04	-1.26E-04
3.03E+02	-2.51E-04	-1.09E-04	-6.98E-05
3.03E+02	-2.57E-04	-1.15E-04	-4.77E-05
3.03E+02	-2.70E-04	-1.46E-04	-8.58E-05
3.03E+02	-2.88E-04	-1.40E-04	-6.90E-05
3.03E+02	-3.07E-04	-1.36E-04	-6.47E-05
3.03E+02	-3.30E-04	-1.31E-04	-8.74E-05
3.03E+02	-4.07E-04	-1.22E-04	-8.28E-05
3.03E+02	-4.51E-04	-1.25E-04	-8.20E-05
3.03E+02	-4.63E-04	-1.05E-04	-4.67E-05
3.03E+02	-5.17E-04	-1.15E-04	-1.14E-05
3.03E+02	-5.59E-04	-1.48E-04	1.18E-05
3.03E+02	-5.67E-04	-1.50E-04	1.07E-04
3.03E+02	-5.55E-04	-1.54E-04	1.59E-04
3.03E+02	-5.34E-04	-1.59E-04	1.41E-04
3.03E+02	-5.60E-04	-1.66E-04	1.53E-04
3.03E+02	-5.56E-04	-1.88E-04	1.18E-04
3.03E+02	-4.87E-04	-1.84E-04	7.11E-05
3.03E+02	-4.72E-04	-1.76E-04	5.87E-05
3.03E+02	-4.65E-04	-1.97E-04	4.67E-05
3.03E+02	-4.18E-04	-2.11E-04	7.36E-05
3.03E+02	-3.72E-04	-2.26E-04	4.35E-05
3.03E+02	-3.32E-04	-2.41E-04	-1.41E-05
3.03E+02	-3.52E-04	-2.75E-04	-3.22E-05
3.03E+02	-3.64E-04	-3.42E-04	-1.17E-04
3.03E+02	-3.20E-04	-3.67E-04	-1.68E-04
3.03E+02	-3.39E-04	-3.84E-04	-1.39E-04
3.04E+02	-3.74E-04	-4.28E-04	-1.27E-04
3.04E+02	-3.78E-04	-4.48E-04	-9.08E-05
3.04E+02	-3.75E-04	-4.72E-04	-4.08E-05
3.04E+02	-3.54E-04	-5.00E-04	-6.68E-06
3.04E+02	-3.78E-04	-5.17E-04	2.56E-05
3.04E+02	-3.96E-04	-5.18E-04	4.06E-05
3.04E+02	-3.56E-04	-4.69E-04	6.50E-05
3.04E+02	-3.51E-04	-4.34E-04	3.99E-05
3.04E+02	-3.54E-04	-4.43E-04	-6.24E-05
3.04E+02	-3.31E-04	-4.34E-04	-7.92E-05
3.04E+02	-3.04E-04	-4.31E-04	-1.81E-05
3.04E+02	-2.83E-04	-4.45E-04	6.29E-06
3.04E+02	-3.24E-04	-4.66E-04	1.43E-05
3.04E+02	-3.65E-04	-5.04E-04	4.39E-06
3.04E+02	-3.68E-04	-5.18E-04	-1.01E-05
3.04E+02	-4.15E-04	-5.23E-04	-1.09E-05
3.04E+02	-4.81E-04	-5.42E-04	-5.40E-05
3.04E+02	-5.26E-04	-5.29E-04	-8.18E-05
3.04E+02	-5.46E-04	-4.93E-04	-8.58E-05
3.04E+02	-5.46E-04	-4.81E-04	-1.59E-04

3.04E+02	-5.69E-04	-5.01E-04	-2.15E-04
3.04E+02	-5.59E-04	-5.26E-04	-2.10E-04
3.04E+02	-5.00E-04	-5.29E-04	-1.56E-04
3.04E+02	-4.72E-04	-5.38E-04	-7.86E-05
3.04E+02	-4.62E-04	-5.77E-04	-7.97E-05
3.04E+02	-4.29E-04	-5.87E-04	-6.05E-05
3.04E+02	-3.93E-04	-5.51E-04	0.00E+00
3.04E+02	-3.52E-04	-5.15E-04	-3.81E-06
3.04E+02	-3.56E-04	-4.82E-04	-1.32E-05
3.04E+02	-3.80E-04	-4.56E-04	-2.56E-05
3.04E+02	-3.49E-04	-4.20E-04	-3.89E-05
3.04E+02	-3.51E-04	-3.90E-04	-3.60E-05
3.04E+02	-3.89E-04	-4.15E-04	-9.08E-05
3.04E+02	-4.13E-04	-4.38E-04	-1.27E-04
3.04E+02	-4.34E-04	-4.55E-04	-1.23E-04
3.04E+02	-4.33E-04	-4.92E-04	-1.86E-04
3.04E+02	-4.65E-04	-5.05E-04	-2.30E-04
3.04E+02	-5.16E-04	-4.99E-04	-2.16E-04
3.04E+02	-5.00E-04	-4.62E-04	-1.83E-04
3.04E+02	-5.01E-04	-4.08E-04	-1.27E-04
3.04E+02	-5.37E-04	-4.06E-04	-1.33E-04
3.04E+02	-5.47E-04	-4.22E-04	-1.28E-04
3.04E+02	-5.54E-04	-4.39E-04	-8.81E-05
3.04E+02	-5.49E-04	-4.80E-04	-1.18E-04
3.04E+02	-5.55E-04	-5.14E-04	-1.30E-04
3.04E+02	-5.71E-04	-5.28E-04	-1.23E-04
3.04E+02	-5.13E-04	-5.02E-04	-1.32E-04
3.04E+02	-4.47E-04	-4.48E-04	-1.03E-04
3.04E+02	-4.24E-04	-4.08E-04	-1.07E-04
3.04E+02	-4.03E-04	-3.69E-04	-1.13E-04
3.04E+02	-3.93E-04	-3.28E-04	-8.81E-05
3.04E+02	-3.80E-04	-3.24E-04	-1.37E-04
3.04E+02	-4.08E-04	-3.49E-04	-1.96E-04
3.04E+02	-4.85E-04	-3.75E-04	-2.29E-04
3.04E+02	-5.23E-04	-3.71E-04	-2.44E-04
3.04E+02	-5.70E-04	-3.49E-04	-2.09E-04
3.04E+02	-6.49E-04	-3.62E-04	-2.24E-04
3.04E+02	-7.03E-04	-3.90E-04	-2.51E-04
3.04E+02	-7.30E-04	-4.00E-04	-2.09E-04
3.04E+02	-7.29E-04	-4.15E-04	-2.02E-04
3.04E+02	-7.44E-04	-4.29E-04	-2.01E-04
3.04E+02	-7.69E-04	-4.42E-04	-1.88E-04
3.04E+02	-7.28E-04	-4.43E-04	-1.88E-04
3.04E+02	-6.70E-04	-4.34E-04	-1.59E-04
3.04E+02	-6.52E-04	-4.52E-04	-1.66E-04
3.04E+02	-6.29E-04	-4.75E-04	-1.85E-04
3.04E+02	-5.89E-04	-4.71E-04	-1.43E-04

3.04E+02	-5.30E-04	-4.71E-04	-1.31E-04
3.04E+02	-5.00E-04	-4.91E-04	-1.60E-04
3.04E+02	-5.10E-04	-4.95E-04	-1.72E-04
3.04E+02	-4.63E-04	-4.55E-04	-1.65E-04
3.04E+02	-4.27E-04	-4.05E-04	-1.48E-04
3.04E+02	-4.44E-04	-3.82E-04	-1.88E-04
3.04E+02	-4.32E-04	-3.69E-04	-2.26E-04
3.04E+02	-4.13E-04	-3.41E-04	-1.79E-04
3.04E+02	-3.98E-04	-3.18E-04	-1.61E-04
3.04E+02	-4.00E-04	-2.97E-04	-1.69E-04
3.04E+02	-4.36E-04	-2.69E-04	-1.52E-04
3.04E+02	-4.29E-04	-2.32E-04	-1.31E-04
3.04E+02	-4.16E-04	-1.91E-04	-8.51E-05
3.04E+02	-4.51E-04	-1.91E-04	-7.97E-05
3.04E+02	-4.60E-04	-2.12E-04	-8.66E-05
3.04E+02	-4.41E-04	-2.12E-04	-2.35E-05
3.04E+02	-3.93E-04	-2.25E-04	1.13E-05
3.04E+02	-3.52E-04	-2.68E-04	3.09E-05
3.04E+02	-3.61E-04	-3.06E-04	8.49E-05
3.04E+02	-3.36E-04	-3.35E-04	1.04E-04
3.04E+02	-2.93E-04	-3.48E-04	5.13E-05
3.04E+02	-3.08E-04	-3.52E-04	-8.11E-05
3.04E+02	-3.41E-04	-3.62E-04	-1.70E-04
3.04E+02	-3.68E-04	-3.64E-04	-1.75E-04
3.04E+02	-3.85E-04	-3.80E-04	-2.11E-04
3.04E+02	-4.01E-04	-3.79E-04	-1.89E-04
3.04E+02	-4.75E-04	-3.54E-04	-7.92E-05
3.04E+02	-5.16E-04	-3.45E-04	-2.67E-06
3.04E+02	-4.99E-04	-3.11E-04	2.69E-05
3.04E+02	-5.24E-04	-2.85E-04	3.81E-06
3.04E+02	-5.35E-04	-2.66E-04	-4.14E-05
3.04E+02	-5.06E-04	-2.17E-04	-6.41E-05
3.04E+02	-4.53E-04	-1.99E-04	-1.42E-04
3.04E+02	-3.98E-04	-2.04E-04	-2.29E-04
3.04E+02	-3.78E-04	-2.24E-04	-2.07E-04
3.04E+02	-3.40E-04	-2.50E-04	-1.26E-04
3.04E+02	-2.81E-04	-2.56E-04	-9.16E-06
3.04E+02	-2.52E-04	-2.88E-04	6.64E-05
3.04E+02	-2.34E-04	-3.35E-04	4.23E-05
3.04E+02	-1.94E-04	-3.52E-04	3.87E-05
3.04E+02	-1.31E-04	-3.45E-04	3.43E-05
3.04E+02	-7.65E-05	-3.29E-04	2.48E-06
3.04E+02	-6.16E-05	-3.19E-04	-1.45E-05
3.04E+02	-3.20E-05	-3.11E-04	-4.73E-05
3.04E+02	3.49E-05	-2.97E-04	-4.67E-05
3.04E+02	6.45E-05	-3.12E-04	-6.20E-05
3.04E+02	7.13E-05	-3.52E-04	-1.24E-04

3.04E+02	9.06E-05	-3.70E-04	-1.10E-04
3.04E+02	1.03E-04	-3.74E-04	-9.59E-05
3.04E+02	1.00E-04	-3.69E-04	-1.18E-04
3.04E+02	4.48E-05	-3.57E-04	-9.57E-05
3.04E+02	-1.53E-05	-3.38E-04	-5.11E-05
3.04E+02	-4.10E-05	-2.87E-04	1.49E-05
3.04E+02	-1.07E-04	-2.63E-04	4.35E-05
3.04E+02	-1.73E-04	-2.81E-04	6.29E-06
3.04E+02	-2.00E-04	-2.84E-04	1.93E-05
3.04E+02	-2.00E-04	-2.80E-04	5.87E-05
3.04E+02	-1.75E-04	-2.69E-04	5.07E-05
3.04E+02	-1.94E-04	-2.57E-04	3.85E-05
3.04E+02	-1.99E-04	-2.44E-04	1.72E-05
3.04E+02	-1.43E-04	-1.97E-04	4.20E-06
3.04E+02	-1.15E-04	-1.51E-04	-5.72E-07
3.04E+02	-1.05E-04	-1.29E-04	-4.71E-05
3.04E+02	-8.96E-05	-9.23E-05	-3.97E-05
3.04E+02	-7.65E-05	-5.82E-05	-3.24E-06
3.04E+02	-7.08E-05	-5.02E-05	-8.39E-06
3.04E+02	-1.20E-04	-4.75E-05	2.73E-05
3.04E+02	-1.91E-04	-3.95E-05	7.04E-05
3.04E+02	-2.42E-04	-8.96E-06	1.23E-04
3.04E+02	-3.25E-04	2.65E-05	1.61E-04
3.04E+02	-4.09E-04	2.35E-05	1.02E-04
3.04E+02	-4.38E-04	2.59E-05	8.79E-05
3.04E+02	-4.14E-04	6.26E-05	1.27E-04
3.04E+02	-3.64E-04	7.84E-05	1.06E-04
3.04E+02	-3.49E-04	8.03E-05	9.77E-05
3.04E+02	-3.28E-04	7.95E-05	9.52E-05
3.04E+02	-2.69E-04	7.06E-05	8.43E-05
3.04E+02	-2.49E-04	5.49E-05	8.18E-05
3.04E+02	-2.74E-04	4.77E-06	2.86E-05
3.04E+02	-3.06E-04	-2.78E-05	-5.53E-06
3.04E+02	-3.38E-04	-2.75E-05	-2.50E-05
3.04E+02	-3.46E-04	-3.70E-05	-9.67E-05
3.04E+02	-3.82E-04	-3.03E-05	-1.22E-04
3.04E+02	-4.28E-04	-7.44E-06	-9.08E-05
3.04E+02	-3.98E-04	3.59E-05	-1.91E-05
3.04E+02	-3.74E-04	8.56E-05	6.45E-05
3.04E+02	-3.78E-04	8.47E-05	5.00E-05
3.04E+02	-3.57E-04	9.00E-05	3.15E-05
3.04E+02	-3.29E-04	1.24E-04	5.26E-05
3.04E+02	-2.84E-04	1.37E-04	3.87E-05
3.04E+02	-2.74E-04	1.50E-04	6.08E-05
3.04E+02	-2.90E-04	1.48E-04	9.42E-05
3.04E+02	-2.40E-04	1.41E-04	1.45E-04
3.04E+02	-1.98E-04	1.37E-04	2.27E-04

3.04E+02	-2.06E-04	7.95E-05	2.30E-04
3.04E+02	-1.93E-04	2.78E-05	2.43E-04
3.04E+02	-1.75E-04	-2.67E-06	2.58E-04
3.04E+02	-1.52E-04	-4.81E-05	1.74E-04
3.04E+02	-1.55E-04	-7.19E-05	8.43E-05
3.04E+02	-1.89E-04	-6.90E-05	2.40E-05
3.04E+02	-1.72E-04	-2.14E-05	7.25E-06
3.04E+02	-1.63E-04	4.60E-05	2.27E-05
3.04E+02	-1.91E-04	6.96E-05	-2.12E-05
3.04E+02	-1.88E-04	8.70E-05	-4.20E-05
3.04E+02	-1.66E-04	1.20E-04	-1.72E-06
3.04E+02	-1.31E-04	1.44E-04	-1.20E-05
3.04E+02	-1.21E-04	1.70E-04	-4.90E-05
3.04E+02	-1.31E-04	2.19E-04	-7.53E-05
3.04E+02	-9.44E-05	2.84E-04	-9.44E-05
3.04E+02	-6.47E-05	3.52E-04	-5.57E-05
3.04E+02	-7.00E-05	4.01E-04	-1.35E-05
3.04E+02	-7.84E-05	4.28E-04	2.12E-05
3.04E+02	-7.44E-05	4.60E-04	1.14E-04
3.04E+02	-3.30E-05	4.73E-04	1.55E-04
3.04E+02	-5.72E-06	4.54E-04	1.47E-04
3.04E+02	-1.66E-05	4.36E-04	1.84E-04
3.04E+02	1.77E-05	4.10E-04	1.87E-04
3.04E+02	7.53E-05	3.77E-04	1.19E-04
3.04E+02	8.85E-05	3.32E-04	9.35E-06
3.04E+02	9.44E-05	2.89E-04	-3.83E-05
3.04E+02	1.22E-04	2.64E-04	-2.02E-05
3.04E+02	1.62E-04	2.33E-04	-1.01E-04
3.04E+02	1.70E-04	2.22E-04	-1.80E-04
3.04E+02	1.27E-04	2.29E-04	-1.56E-04
3.04E+02	1.29E-04	2.38E-04	-1.50E-04
3.04E+02	1.39E-04	2.72E-04	-1.50E-04
3.04E+02	7.71E-05	2.79E-04	-1.43E-04
3.04E+02	2.19E-05	2.76E-04	-1.05E-04
3.04E+02	-2.99E-05	2.95E-04	2.08E-05
3.04E+02	-6.79E-05	2.84E-04	8.96E-05
3.04E+02	-9.37E-05	2.61E-04	1.02E-04
3.04E+02	-1.62E-04	2.45E-04	1.26E-04
3.04E+02	-1.73E-04	2.55E-04	1.12E-04
3.05E+02	-1.57E-04	3.03E-04	1.19E-04
3.05E+02	-1.82E-04	3.15E-04	9.96E-05
3.05E+02	-1.78E-04	2.87E-04	2.33E-05
3.05E+02	-1.56E-04	2.74E-04	8.01E-06
3.05E+02	-1.21E-04	2.56E-04	-9.54E-06
3.05E+02	-8.98E-05	2.29E-04	-6.45E-05
3.05E+02	-8.79E-05	2.09E-04	-9.57E-05
3.05E+02	-4.58E-05	2.01E-04	-1.21E-04

3.05E+02	2.06E-05	2.17E-04	-1.06E-04
3.05E+02	4.39E-05	2.26E-04	-1.09E-04
3.05E+02	5.36E-05	2.35E-04	-1.59E-04
3.05E+02	7.19E-05	2.78E-04	-1.34E-04
3.05E+02	9.50E-05	3.25E-04	-1.28E-04
3.05E+02	9.00E-05	3.52E-04	-1.72E-04
3.05E+02	3.49E-05	3.72E-04	-1.67E-04
3.05E+02	7.63E-07	4.06E-04	-1.32E-04
3.05E+02	-5.15E-06	4.39E-04	-2.33E-05
3.05E+02	-3.49E-05	4.30E-04	8.70E-05
3.05E+02	-5.23E-05	3.88E-04	1.43E-04
3.05E+02	-3.09E-05	3.59E-04	2.64E-04
3.05E+02	2.48E-05	3.50E-04	3.70E-04
3.05E+02	8.39E-05	3.36E-04	3.89E-04
3.05E+02	1.11E-04	3.16E-04	3.79E-04
3.05E+02	1.60E-04	2.93E-04	2.99E-04
3.05E+02	2.31E-04	2.73E-04	2.13E-04
3.05E+02	2.49E-04	2.43E-04	1.33E-04
3.05E+02	2.32E-04	1.96E-04	-3.24E-06
3.05E+02	2.24E-04	1.81E-04	-7.27E-05
3.05E+02	2.07E-04	1.72E-04	-1.07E-04
3.05E+02	1.82E-04	1.52E-04	-1.63E-04
3.05E+02	1.38E-04	1.45E-04	-1.47E-04
3.05E+02	9.23E-05	1.52E-04	-1.11E-04
3.05E+02	9.37E-05	1.93E-04	-4.75E-05
3.05E+02	7.44E-05	2.30E-04	-1.01E-05
3.05E+02	5.95E-05	2.31E-04	-7.10E-05
3.05E+02	8.43E-05	2.49E-04	-6.58E-05
3.05E+02	1.14E-04	2.81E-04	-2.19E-05
3.05E+02	1.55E-04	3.08E-04	-8.20E-06
3.05E+02	1.42E-04	3.36E-04	4.04E-05
3.05E+02	1.25E-04	3.63E-04	6.03E-05
3.05E+02	1.56E-04	3.95E-04	8.37E-05
3.05E+02	1.38E-04	4.12E-04	1.34E-04
3.05E+02	1.03E-04	3.83E-04	1.26E-04
3.05E+02	9.12E-05	3.57E-04	1.59E-04
3.05E+02	9.40E-05	3.32E-04	2.02E-04
3.05E+02	1.21E-04	2.76E-04	1.74E-04
3.05E+02	1.19E-04	2.26E-04	1.90E-04
3.05E+02	1.07E-04	1.70E-04	1.83E-04
3.05E+02	1.40E-04	1.32E-04	1.50E-04
3.05E+02	1.47E-04	1.21E-04	1.09E-04
3.05E+02	1.21E-04	9.25E-05	-2.48E-05
3.05E+02	1.16E-04	9.46E-05	-9.52E-05
3.05E+02	1.19E-04	1.29E-04	-1.04E-04
3.05E+02	1.22E-04	1.59E-04	-1.37E-04
3.05E+02	7.95E-05	1.89E-04	-1.09E-04

3.05E+02	4.01E-05	2.00E-04	-7.25E-05
3.05E+02	5.87E-05	2.12E-04	-1.70E-05
3.05E+02	5.80E-05	2.17E-04	7.08E-05
3.05E+02	5.61E-05	1.92E-04	1.08E-04
3.05E+02	8.14E-05	1.83E-04	1.83E-04
3.05E+02	1.18E-04	1.93E-04	2.53E-04
3.05E+02	1.75E-04	2.00E-04	2.17E-04
3.05E+02	1.98E-04	2.15E-04	1.71E-04
3.05E+02	2.02E-04	2.31E-04	1.25E-04
3.05E+02	2.56E-04	2.60E-04	1.02E-04
3.05E+02	2.77E-04	2.83E-04	9.14E-05
3.05E+02	2.47E-04	2.60E-04	8.39E-06
3.05E+02	2.47E-04	2.47E-04	-3.15E-05
3.05E+02	2.61E-04	2.51E-04	2.10E-06
3.05E+02	2.79E-04	2.53E-04	1.62E-05
3.05E+02	2.63E-04	2.67E-04	3.41E-05
3.05E+02	2.30E-04	2.90E-04	3.43E-05
3.05E+02	2.58E-04	3.43E-04	3.40E-05
3.05E+02	2.79E-04	4.06E-04	7.23E-05
3.05E+02	2.77E-04	4.29E-04	6.71E-05
3.05E+02	2.93E-04	4.38E-04	6.37E-05
3.05E+02	3.23E-04	4.41E-04	1.03E-04
3.05E+02	3.66E-04	4.00E-04	8.05E-05
3.05E+02	3.78E-04	3.38E-04	4.44E-05
3.05E+02	3.64E-04	2.74E-04	3.51E-05
3.05E+02	4.00E-04	2.29E-04	2.98E-05
3.05E+02	4.12E-04	2.07E-04	9.14E-05
3.05E+02	3.78E-04	1.30E-04	1.11E-04
3.05E+02	3.99E-04	3.78E-05	2.94E-05
3.05E+02	4.12E-04	1.20E-05	2.06E-05
3.05E+02	4.06E-04	4.20E-06	8.03E-05
3.05E+02	3.91E-04	-2.37E-05	7.02E-05
3.05E+02	3.41E-04	-5.89E-05	-2.04E-05
3.05E+02	3.20E-04	-7.19E-05	-1.08E-04
3.05E+02	3.01E-04	-6.89E-05	-1.32E-04
3.05E+02	2.62E-04	-8.96E-05	-1.61E-04
3.05E+02	2.36E-04	-1.23E-04	-1.74E-04
3.05E+02	2.17E-04	-1.51E-04	-1.12E-04
3.05E+02	2.17E-04	-1.87E-04	-8.28E-05
3.05E+02	2.12E-04	-2.23E-04	-4.46E-05
3.05E+02	1.77E-04	-2.49E-04	2.59E-05
3.05E+02	1.77E-04	-2.42E-04	6.10E-05
3.05E+02	2.01E-04	-2.00E-04	1.12E-04
3.05E+02	1.80E-04	-1.75E-04	9.96E-05
3.05E+02	1.75E-04	-1.58E-04	6.69E-05
3.05E+02	1.92E-04	-1.11E-04	1.16E-04
3.05E+02	2.11E-04	-8.05E-05	1.13E-04

3.05E+02	2.19E-04	-6.47E-05	1.01E-04
3.05E+02	1.84E-04	-4.48E-05	1.25E-04
3.05E+02	1.86E-04	-3.74E-05	1.22E-04
3.05E+02	1.96E-04	-2.69E-05	1.57E-04
3.05E+02	1.44E-04	-5.25E-05	1.52E-04
3.05E+02	9.90E-05	-1.02E-04	1.06E-04
3.05E+02	5.46E-05	-1.17E-04	1.19E-04
3.05E+02	3.41E-05	-1.35E-04	9.25E-05
3.05E+02	4.18E-05	-1.42E-04	6.18E-05
3.05E+02	9.54E-07	-1.41E-04	6.47E-05
3.05E+02	2.86E-06	-1.36E-04	5.82E-05
3.05E+02	5.44E-05	-1.00E-04	9.50E-05
3.05E+02	6.45E-05	-1.00E-04	7.53E-05
3.05E+02	8.66E-05	-1.24E-04	1.95E-05
3.05E+02	1.31E-04	-1.36E-04	5.70E-05
3.05E+02	1.93E-04	-1.56E-04	9.84E-05
3.05E+02	2.44E-04	-1.71E-04	1.24E-04
3.05E+02	2.38E-04	-1.79E-04	1.48E-04
3.05E+02	2.60E-04	-1.73E-04	1.38E-04
3.05E+02	3.05E-04	-1.54E-04	1.46E-04
3.05E+02	2.99E-04	-1.65E-04	1.12E-04
3.05E+02	2.86E-04	-1.97E-04	1.70E-05
3.05E+02	2.86E-04	-2.10E-04	-1.28E-05
3.05E+02	2.98E-04	-2.24E-04	-4.27E-05
3.05E+02	3.03E-04	-2.64E-04	-8.49E-05
3.05E+02	2.78E-04	-3.04E-04	-4.73E-05
3.05E+02	2.82E-04	-3.30E-04	7.25E-06
3.05E+02	3.03E-04	-3.41E-04	9.14E-05
3.05E+02	2.69E-04	-3.73E-04	1.32E-04
3.05E+02	2.35E-04	-4.28E-04	6.47E-05
3.05E+02	2.37E-04	-4.44E-04	5.57E-05
3.05E+02	2.45E-04	-4.58E-04	4.79E-05
3.05E+02	2.73E-04	-4.73E-04	5.72E-06
3.05E+02	2.78E-04	-4.59E-04	2.67E-05
3.05E+02	2.86E-04	-4.57E-04	2.63E-05
3.05E+02	3.27E-04	-4.36E-04	2.40E-05
3.05E+02	3.09E-04	-4.18E-04	1.51E-05
3.05E+02	2.65E-04	-4.25E-04	-5.13E-05
3.05E+02	2.37E-04	-4.02E-04	-5.44E-05
3.05E+02	2.10E-04	-3.77E-04	-5.70E-05
3.05E+02	1.91E-04	-3.62E-04	-1.12E-04
3.05E+02	1.37E-04	-3.32E-04	-8.09E-05
3.05E+02	9.98E-05	-2.85E-04	7.06E-06
3.05E+02	1.17E-04	-2.15E-04	1.14E-04
3.05E+02	1.07E-04	-1.63E-04	1.72E-04
3.05E+02	1.07E-04	-1.40E-04	1.34E-04
3.05E+02	1.42E-04	-1.04E-04	1.46E-04

3.05E+02	1.82E-04	-6.50E-05	1.65E-04
3.05E+02	2.37E-04	-2.77E-05	1.32E-04
3.05E+02	2.27E-04	-1.05E-05	1.05E-04
3.05E+02	2.00E-04	-2.17E-05	5.13E-05
3.05E+02	2.27E-04	-1.28E-05	3.15E-05
3.05E+02	2.17E-04	-2.44E-05	4.14E-05
3.05E+02	1.96E-04	-7.42E-05	1.72E-05
3.05E+02	1.95E-04	-9.99E-05	4.54E-05
3.05E+02	2.10E-04	-1.21E-04	7.74E-05
3.05E+02	2.53E-04	-1.46E-04	4.43E-05
3.05E+02	2.47E-04	-1.59E-04	3.20E-05
3.05E+02	2.40E-04	-1.63E-04	1.95E-05
3.05E+02	2.84E-04	-1.24E-04	2.86E-05
3.05E+02	2.84E-04	-8.58E-05	5.86E-05
3.05E+02	2.64E-04	-9.42E-05	1.47E-05
3.05E+02	2.71E-04	-9.44E-05	1.72E-06
3.05E+02	2.86E-04	-7.63E-05	4.48E-05
3.05E+02	2.93E-04	-4.94E-05	8.91E-05
3.05E+02	2.42E-04	-2.29E-05	1.50E-04
3.05E+02	1.76E-04	-1.39E-05	1.58E-04
3.05E+02	1.57E-04	5.34E-06	1.51E-04
3.05E+02	1.25E-04	2.99E-05	1.67E-04
3.05E+02	7.55E-05	2.46E-05	1.50E-04
3.05E+02	4.63E-05	9.35E-06	1.56E-04
3.05E+02	4.29E-05	-4.39E-06	1.68E-04
3.05E+02	7.19E-05	-4.10E-05	1.05E-04
3.05E+02	8.32E-05	-8.30E-05	5.09E-05
3.05E+02	9.52E-05	-9.40E-05	5.65E-05
3.05E+02	1.66E-04	-5.72E-05	1.17E-04
3.05E+02	2.07E-04	-6.10E-06	1.86E-04
3.05E+02	2.01E-04	1.91E-05	1.56E-04
3.05E+02	1.98E-04	4.14E-05	1.33E-04
3.05E+02	1.95E-04	5.99E-05	1.73E-04
3.05E+02	2.18E-04	5.26E-05	1.03E-04
3.05E+02	2.18E-04	5.70E-05	-9.54E-07
3.05E+02	1.82E-04	8.30E-05	1.01E-05
3.05E+02	2.02E-04	9.99E-05	5.17E-05
3.05E+02	2.42E-04	1.14E-04	5.05E-05
3.05E+02	2.42E-04	1.08E-04	-1.11E-05
3.05E+02	2.54E-04	9.90E-05	-1.49E-05
3.05E+02	2.85E-04	1.05E-04	8.49E-05
3.05E+02	3.15E-04	6.87E-05	1.01E-04
3.05E+02	3.08E-04	1.41E-05	7.67E-05
3.05E+02	2.52E-04	-2.31E-05	8.72E-05
3.05E+02	2.37E-04	-4.54E-05	8.43E-05
3.05E+02	2.23E-04	-4.46E-05	9.12E-05
3.05E+02	1.85E-04	-6.90E-05	3.51E-05

3.05E+02	1.99E-04	-1.01E-04	-8.39E-06
3.05E+02	2.36E-04	-1.04E-04	3.76E-05
3.05E+02	2.96E-04	-1.13E-04	3.97E-05
3.05E+02	3.44E-04	-1.17E-04	1.74E-05
3.06E+02	3.48E-04	-1.28E-04	-1.07E-05
3.06E+02	3.98E-04	-1.39E-04	-5.17E-05
3.06E+02	4.34E-04	-1.38E-04	-7.59E-05
3.06E+02	4.05E-04	-1.63E-04	-1.41E-04
3.06E+02	3.96E-04	-1.51E-04	-1.63E-04
3.06E+02	3.85E-04	-9.96E-05	-1.06E-04
3.06E+02	3.85E-04	-6.14E-05	-6.01E-05
3.06E+02	3.91E-04	-1.18E-05	1.89E-05
3.06E+02	3.55E-04	3.93E-05	1.08E-04
3.06E+02	3.67E-04	8.56E-05	1.51E-04
3.06E+02	3.89E-04	1.28E-04	1.79E-04
3.06E+02	3.61E-04	1.36E-04	1.51E-04
3.06E+02	3.61E-04	1.20E-04	1.03E-04
3.06E+02	3.74E-04	1.14E-04	9.67E-05
3.06E+02	3.83E-04	1.02E-04	6.96E-05
3.06E+02	3.72E-04	8.07E-05	4.60E-05
3.06E+02	3.23E-04	5.59E-05	4.44E-05
3.06E+02	3.20E-04	2.75E-05	3.11E-05
3.06E+02	3.33E-04	7.25E-06	4.81E-05
3.06E+02	3.03E-04	-3.19E-05	2.16E-05
3.06E+02	2.80E-04	-6.33E-05	-5.26E-05
3.06E+02	2.60E-04	-5.09E-05	-6.83E-05
3.06E+02	2.55E-04	-3.80E-05	-1.12E-04
3.06E+02	2.64E-04	-2.57E-05	-1.71E-04
3.06E+02	2.29E-04	-1.47E-05	-1.61E-04
3.06E+02	2.37E-04	-5.34E-06	-1.27E-04
3.06E+02	2.78E-04	2.17E-05	-5.99E-05
3.06E+02	2.66E-04	7.25E-06	-4.98E-05
3.06E+02	2.69E-04	-4.12E-05	-1.04E-04
3.06E+02	2.91E-04	-6.81E-05	-1.05E-04
3.06E+02	3.27E-04	-1.01E-04	-1.06E-04
3.06E+02	3.53E-04	-1.28E-04	-1.14E-04
3.06E+02	3.25E-04	-1.37E-04	-1.07E-04
3.06E+02	3.33E-04	-1.33E-04	-1.18E-04
3.06E+02	3.65E-04	-9.90E-05	-1.08E-04
3.06E+02	3.54E-04	-7.86E-05	-1.37E-04
3.06E+02	3.43E-04	-7.71E-05	-2.23E-04
3.06E+02	3.42E-04	-4.20E-05	-2.27E-04
3.06E+02	3.60E-04	2.67E-06	-2.08E-04
3.06E+02	3.68E-04	2.78E-05	-2.38E-04
3.06E+02	3.20E-04	4.20E-05	-2.48E-04
3.06E+02	2.89E-04	6.41E-05	-2.43E-04
3.06E+02	2.83E-04	1.13E-04	-2.02E-04

3.06E+02	2.42E-04	1.38E-04	-1.93E-04
3.06E+02	2.11E-04	1.22E-04	-2.50E-04
3.06E+02	2.19E-04	1.24E-04	-2.31E-04
3.06E+02	2.43E-04	1.13E-04	-2.09E-04
3.06E+02	2.65E-04	8.09E-05	-2.31E-04
3.06E+02	2.41E-04	5.59E-05	-2.13E-04
3.06E+02	2.25E-04	2.12E-05	-1.99E-04
3.06E+02	2.47E-04	1.05E-05	-1.54E-04
3.06E+02	2.07E-04	-1.83E-05	-1.35E-04
3.06E+02	1.48E-04	-7.27E-05	-1.86E-04
3.06E+02	1.29E-04	-7.61E-05	-1.62E-04
3.06E+02	1.15E-04	-8.11E-05	-1.45E-04
3.06E+02	1.26E-04	-8.98E-05	-1.93E-04
3.06E+02	1.09E-04	-7.48E-05	-1.98E-04
3.06E+02	9.75E-05	-5.95E-05	-1.76E-04
3.06E+02	1.39E-04	-2.19E-05	-1.34E-04
3.06E+02	1.38E-04	-1.91E-07	-1.28E-04
3.06E+02	1.27E-04	-2.84E-05	-1.90E-04
3.06E+02	1.32E-04	-4.43E-05	-2.10E-04
3.06E+02	1.31E-04	-3.99E-05	-2.21E-04
3.06E+02	1.38E-04	-2.63E-05	-2.61E-04
3.06E+02	1.01E-04	1.87E-05	-2.72E-04
3.06E+02	8.30E-05	7.06E-05	-2.82E-04
3.06E+02	1.27E-04	1.42E-04	-2.61E-04
3.06E+02	1.32E-04	2.08E-04	-2.19E-04
3.06E+02	1.18E-04	2.28E-04	-2.48E-04
3.06E+02	1.21E-04	2.64E-04	-2.53E-04
3.06E+02	1.21E-04	2.98E-04	-2.45E-04
3.06E+02	1.29E-04	2.92E-04	-3.26E-04
3.06E+02	9.52E-05	2.74E-04	-3.77E-04
3.06E+02	5.05E-05	2.50E-04	-3.86E-04
3.06E+02	4.46E-05	2.49E-04	-3.65E-04
3.06E+02	2.14E-05	2.47E-04	-3.25E-04
3.06E+02	-1.74E-05	1.92E-04	-3.89E-04
3.06E+02	-4.18E-05	1.31E-04	-4.18E-04
3.06E+02	-3.32E-05	9.40E-05	-3.91E-04
3.06E+02	-9.54E-06	5.76E-05	-3.67E-04
3.06E+02	-3.38E-05	1.83E-05	-2.78E-04
3.06E+02	-7.82E-05	-2.33E-05	-2.18E-04
3.06E+02	-7.38E-05	-5.80E-05	-2.14E-04
3.06E+02	-5.53E-05	-7.74E-05	-2.85E-04
3.06E+02	-7.63E-05	-5.68E-05	-3.07E-04
3.06E+02	-8.56E-05	-8.39E-06	-1.18E-04
3.06E+02	-6.64E-05	3.26E-05	-3.47E-05
3.06E+02	-4.27E-05	8.43E-05	-1.64E-04
3.06E+02	-5.87E-05	1.58E-04	-1.83E-04
3.06E+02	-1.27E-04	2.02E-04	-1.52E-04

3.06E+02	-1.22E-04	2.36E-04	-1.74E-04
3.06E+02	-1.03E-04	2.97E-04	-1.55E-04
3.06E+02	-1.59E-04	3.11E-04	-1.95E-04
3.06E+02	-1.82E-04	3.10E-04	-1.98E-04
3.06E+02	-1.73E-04	3.40E-04	-1.23E-04
3.06E+02	-1.40E-04	3.69E-04	-8.35E-05
3.06E+02	-1.11E-04	3.98E-04	-7.42E-05
3.06E+02	-1.40E-04	4.12E-04	-1.20E-04
3.06E+02	-1.21E-04	4.46E-04	-1.51E-04
3.06E+02	-9.31E-05	4.95E-04	-1.71E-04
3.06E+02	-1.25E-04	5.25E-04	-2.36E-04
3.06E+02	-1.19E-04	5.44E-04	-2.67E-04
3.06E+02	-9.69E-05	5.42E-04	-2.08E-04
3.06E+02	-8.77E-05	5.29E-04	-1.50E-04
3.06E+02	-8.95E-05	5.04E-04	-1.58E-04
3.06E+02	-1.18E-04	4.95E-04	-1.08E-04
3.06E+02	-1.04E-04	5.03E-04	-4.86E-05
3.06E+02	-8.81E-05	5.06E-04	-4.60E-05
3.06E+02	-1.29E-04	4.89E-04	-2.92E-05
3.06E+02	-1.31E-04	4.62E-04	-5.97E-05
3.06E+02	-1.20E-04	4.68E-04	-9.92E-06
3.06E+02	-1.40E-04	4.62E-04	4.83E-05
3.06E+02	-1.55E-04	4.27E-04	-1.83E-05
3.06E+02	-1.83E-04	3.99E-04	-3.09E-05
3.06E+02	-1.84E-04	3.76E-04	-6.43E-05
3.06E+02	-1.46E-04	3.73E-04	-1.19E-04
3.06E+02	-1.32E-04	3.61E-04	-1.63E-04
3.06E+02	-1.12E-04	3.55E-04	-2.08E-04
3.06E+02	-6.96E-05	3.68E-04	-1.89E-04
3.06E+02	-1.85E-05	3.90E-04	-1.53E-04
3.06E+02	7.82E-06	4.26E-04	-1.10E-04
3.06E+02	-7.25E-06	4.27E-04	-9.65E-05
3.06E+02	3.05E-06	4.73E-04	-3.76E-05
3.06E+02	1.85E-05	5.53E-04	1.26E-05
3.06E+02	-1.91E-07	5.80E-04	-4.92E-05
3.06E+02	-8.58E-06	6.13E-04	-5.99E-05
3.06E+02	1.60E-05	6.33E-04	-6.96E-05
3.06E+02	4.84E-05	6.28E-04	-1.05E-04
3.06E+02	3.28E-05	6.08E-04	-8.28E-05
3.06E+02	6.87E-06	5.60E-04	-6.66E-05
3.06E+02	1.85E-05	5.12E-04	-6.35E-05
3.06E+02	1.09E-05	4.63E-04	-6.98E-05
3.06E+02	-1.81E-05	4.07E-04	-1.04E-04
3.06E+02	-4.56E-05	3.60E-04	-1.17E-04
3.06E+02	-7.46E-05	3.42E-04	-7.46E-05
3.06E+02	-7.50E-05	3.17E-04	-6.54E-05
3.06E+02	-8.77E-05	2.77E-04	-6.10E-05

3.06E+02	-1.51E-04	2.48E-04	-2.29E-05
3.06E+02	-1.69E-04	2.26E-04	2.99E-05
3.06E+02	-1.54E-04	2.44E-04	1.42E-04
3.06E+02	-1.76E-04	2.40E-04	9.29E-05
3.06E+02	-1.98E-04	2.22E-04	-1.68E-05
3.06E+02	-2.06E-04	2.61E-04	1.91E-06
3.06E+02	-1.75E-04	2.93E-04	-4.35E-05
3.06E+02	-1.51E-04	3.32E-04	-3.28E-05
3.06E+02	-1.80E-04	3.72E-04	-1.53E-06
3.06E+02	-1.71E-04	3.73E-04	-7.59E-05
3.06E+02	-1.60E-04	3.90E-04	-3.34E-05
3.06E+02	-1.97E-04	4.03E-04	2.96E-05
3.06E+02	-2.19E-04	3.80E-04	-3.01E-05
3.06E+02	-2.48E-04	4.03E-04	1.34E-05
3.06E+02	-2.68E-04	4.47E-04	9.19E-05
3.06E+02	-2.50E-04	4.67E-04	8.09E-05
3.06E+02	-2.84E-04	5.02E-04	9.86E-05
3.06E+02	-2.91E-04	5.40E-04	8.64E-05
3.06E+02	-2.10E-04	5.85E-04	1.03E-04
3.06E+02	-1.78E-04	5.83E-04	1.08E-04
3.06E+02	-1.61E-04	5.18E-04	-5.15E-06
3.06E+02	-9.14E-05	4.82E-04	-2.37E-05
3.06E+02	-1.45E-05	4.76E-04	3.97E-05
3.06E+02	4.60E-05	4.62E-04	6.94E-05
3.06E+02	4.08E-05	4.33E-04	1.20E-04
3.06E+02	3.55E-05	4.17E-04	1.83E-04
3.06E+02	7.72E-05	4.44E-04	2.28E-04
3.06E+02	5.38E-05	4.47E-04	1.99E-04
3.06E+02	9.16E-06	4.18E-04	1.15E-04
3.06E+02	-9.73E-06	4.07E-04	5.59E-05
3.06E+02	-3.60E-05	3.84E-04	-1.35E-05
3.06E+02	-4.29E-05	3.55E-04	-5.59E-05
3.06E+02	-8.75E-05	2.99E-04	-5.74E-05
3.06E+02	-1.37E-04	2.28E-04	-5.91E-05
3.06E+02	-1.38E-04	2.06E-04	-1.35E-05
3.06E+02	-1.53E-04	1.86E-04	3.41E-05
3.06E+02	-1.53E-04	1.33E-04	-3.43E-06
3.06E+02	-1.41E-04	8.26E-05	-3.40E-05
3.06E+02	-1.02E-04	5.57E-05	-1.51E-05
3.06E+02	-3.30E-05	3.68E-05	-3.78E-05
3.06E+02	-2.69E-05	1.96E-05	-1.34E-05
3.06E+02	-1.87E-05	-2.04E-05	1.53E-06
3.06E+02	4.41E-05	-4.65E-05	-8.58E-06
3.06E+02	5.25E-05	-5.04E-05	5.47E-05
3.06E+02	2.82E-05	-1.07E-04	-4.96E-06
3.06E+02	1.70E-05	-1.07E-04	1.77E-05
3.06E+02	7.44E-06	-5.47E-05	1.74E-04

3.06E+02	6.20E-05	-6.31E-05	6.81E-05
3.06E+02	9.06E-05	-4.75E-05	-9.46E-05
3.06E+02	4.81E-05	8.58E-06	-1.20E-05
3.06E+02	6.66E-05	6.10E-05	2.19E-04
3.06E+02	6.96E-05	5.74E-05	2.41E-04
3.06E+02	4.08E-05	2.33E-05	2.90E-05
3.06E+02	5.86E-05	2.61E-05	4.18E-05
3.06E+02	6.18E-05	-1.28E-05	1.23E-04
3.06E+02	8.93E-05	-5.84E-05	4.02E-05
3.06E+02	9.86E-05	-3.99E-05	6.41E-05
3.06E+02	4.52E-05	-2.92E-05	1.26E-04
3.06E+02	3.13E-05	-4.86E-05	5.42E-05
3.06E+02	1.11E-05	-6.96E-05	-2.29E-05
3.06E+02	-2.12E-05	-8.11E-05	-3.01E-05
3.06E+02	-1.91E-05	-7.95E-05	2.48E-06
3.06E+02	-1.07E-05	-6.07E-05	6.05E-05
3.07E+02	2.52E-05	-3.89E-05	5.21E-05
3.07E+02	3.19E-05	-1.53E-05	5.32E-05
3.07E+02	4.01E-06	3.19E-05	1.44E-04
3.07E+02	3.51E-05	8.62E-05	2.21E-04
3.07E+02	5.11E-05	1.13E-04	3.03E-04
3.07E+02	2.86E-05	7.76E-05	2.71E-04
3.07E+02	2.65E-05	3.32E-05	1.81E-04
3.07E+02	2.54E-05	1.85E-05	1.17E-04
3.07E+02	5.36E-05	8.58E-06	4.16E-05
3.07E+02	3.62E-05	1.32E-05	1.09E-04
3.07E+02	-3.74E-05	-2.06E-05	7.67E-05
3.07E+02	-4.52E-05	-5.38E-05	8.01E-06
3.07E+02	-7.88E-05	-6.24E-05	9.56E-05
3.07E+02	-1.47E-04	-1.34E-04	1.81E-05
3.07E+02	-1.71E-04	-1.93E-04	-4.39E-05
3.07E+02	-1.79E-04	-2.19E-04	2.73E-05
3.07E+02	-1.30E-04	-2.50E-04	3.93E-05
3.07E+02	-8.98E-05	-2.68E-04	5.34E-05
3.07E+02	-1.03E-04	-2.92E-04	8.11E-05
3.07E+02	-4.62E-05	-2.69E-04	1.85E-04
3.07E+02	8.39E-06	-2.15E-04	3.13E-04
3.07E+02	-1.68E-05	-2.17E-04	3.02E-04
3.07E+02	-2.98E-05	-2.36E-04	2.43E-04
3.07E+02	-2.71E-05	-2.31E-04	2.17E-04
3.07E+02	-2.38E-05	-2.06E-04	1.95E-04
3.07E+02	-2.88E-05	-1.90E-04	1.71E-04
3.07E+02	-4.77E-05	-1.93E-04	1.64E-04
3.07E+02	-2.21E-05	-1.89E-04	1.99E-04
3.07E+02	2.52E-05	-1.96E-04	2.62E-04
3.07E+02	3.05E-05	-2.46E-04	3.11E-04
3.07E+02	3.60E-05	-3.06E-04	2.96E-04

3.07E+02	6.22E-05	-3.25E-04	2.60E-04
3.07E+02	8.54E-05	-3.27E-04	1.67E-04
3.07E+02	1.05E-04	-3.29E-04	6.29E-05
3.07E+02	9.86E-05	-3.13E-04	7.90E-05
3.07E+02	1.12E-04	-2.74E-04	1.27E-04
3.07E+02	1.28E-04	-2.32E-04	1.67E-04
3.07E+02	8.68E-05	-2.44E-04	1.38E-04
3.07E+02	5.59E-05	-2.92E-04	9.82E-05
3.07E+02	4.88E-05	-3.22E-04	1.52E-04
3.07E+02	6.05E-05	-3.27E-04	1.61E-04
3.07E+02	4.73E-05	-3.12E-04	1.65E-04
3.07E+02	-8.96E-06	-2.98E-04	1.94E-04
3.07E+02	2.86E-06	-2.70E-04	2.26E-04
3.07E+02	3.41E-05	-2.32E-04	2.96E-04
3.07E+02	3.47E-05	-2.27E-04	3.07E-04
3.07E+02	6.05E-05	-2.21E-04	3.10E-04
3.07E+02	8.22E-05	-2.02E-04	3.49E-04
3.07E+02	1.22E-04	-1.98E-04	3.23E-04
3.07E+02	1.69E-04	-1.86E-04	2.56E-04
3.07E+02	1.53E-04	-1.70E-04	2.18E-04
3.07E+02	1.34E-04	-1.62E-04	2.42E-04
3.07E+02	1.19E-04	-1.61E-04	2.84E-04
3.07E+02	3.93E-05	-1.88E-04	3.07E-04
3.07E+02	-3.85E-05	-2.32E-04	2.69E-04
3.07E+02	-7.72E-05	-2.70E-04	2.16E-04
3.07E+02	-1.02E-04	-3.09E-04	2.03E-04
3.07E+02	-1.09E-04	-3.36E-04	1.43E-04
3.07E+02	-1.40E-04	-3.22E-04	1.11E-04
3.07E+02	-1.59E-04	-2.84E-04	9.78E-05
3.07E+02	-1.41E-04	-2.35E-04	3.76E-05
3.07E+02	-1.67E-04	-2.12E-04	-1.60E-05
3.07E+02	-1.96E-04	-2.20E-04	-2.96E-05
3.07E+02	-1.93E-04	-2.23E-04	3.81E-05
3.07E+02	-1.67E-04	-2.50E-04	6.45E-05
3.07E+02	-1.23E-04	-2.80E-04	5.86E-05
3.07E+02	-1.15E-04	-3.11E-04	1.39E-04
3.07E+02	-1.03E-04	-3.46E-04	2.14E-04
3.07E+02	-6.28E-05	-3.48E-04	2.68E-04
3.07E+02	-6.50E-05	-3.58E-04	3.11E-04
3.07E+02	-8.43E-05	-3.71E-04	3.10E-04
3.07E+02	-9.56E-05	-3.56E-04	3.27E-04
3.07E+02	-8.53E-05	-3.46E-04	3.35E-04
3.07E+02	-6.24E-05	-3.42E-04	2.34E-04
3.07E+02	-1.03E-04	-3.27E-04	1.30E-04
3.07E+02	-1.41E-04	-3.08E-04	1.29E-04
3.07E+02	-1.30E-04	-3.02E-04	1.62E-04
3.07E+02	-1.63E-04	-3.13E-04	1.75E-04

3.07E+02	-1.97E-04	-3.14E-04	1.77E-04
3.07E+02	-1.92E-04	-2.85E-04	2.39E-04
3.07E+02	-2.00E-04	-2.53E-04	2.87E-04
3.07E+02	-2.24E-04	-2.41E-04	2.34E-04
3.07E+02	-2.30E-04	-2.31E-04	2.38E-04
3.07E+02	-1.98E-04	-2.16E-04	2.03E-04
3.07E+02	-1.63E-04	-1.79E-04	1.27E-04
3.07E+02	-1.64E-04	-1.42E-04	1.79E-04
3.07E+02	-1.73E-04	-1.74E-04	1.10E-04
3.07E+02	-1.40E-04	-2.05E-04	-1.18E-05
3.07E+02	-8.83E-05	-1.96E-04	2.67E-06
3.07E+02	-8.47E-05	-2.11E-04	2.46E-05
3.07E+02	-9.50E-05	-2.35E-04	2.16E-05
3.07E+02	-9.25E-05	-2.60E-04	-3.28E-05
3.07E+02	-8.91E-05	-2.52E-04	-7.06E-06
3.07E+02	-1.14E-04	-2.46E-04	7.17E-05
3.07E+02	-1.78E-04	-2.85E-04	4.54E-05
3.07E+02	-2.24E-04	-2.81E-04	7.42E-05
3.07E+02	-2.43E-04	-2.61E-04	1.34E-04
3.07E+02	-2.53E-04	-2.59E-04	1.13E-04
3.07E+02	-2.95E-04	-2.51E-04	8.56E-05
3.07E+02	-3.39E-04	-2.54E-04	7.29E-05
3.07E+02	-3.11E-04	-2.14E-04	1.22E-04
3.07E+02	-3.15E-04	-1.71E-04	1.68E-04
3.07E+02	-3.53E-04	-1.83E-04	1.30E-04
3.07E+02	-3.30E-04	-1.74E-04	1.46E-04
3.07E+02	-2.96E-04	-1.88E-04	1.61E-04
3.07E+02	-2.45E-04	-2.34E-04	1.46E-04
3.07E+02	-2.06E-04	-2.51E-04	2.09E-04
3.07E+02	-1.85E-04	-2.81E-04	2.12E-04
3.07E+02	-9.82E-05	-2.87E-04	1.83E-04
3.07E+02	-4.08E-05	-2.73E-04	1.88E-04
3.07E+02	-3.05E-05	-3.04E-04	1.13E-04
3.07E+02	-4.01E-06	-3.18E-04	7.13E-05
3.07E+02	-2.10E-06	-2.99E-04	1.05E-04
3.07E+02	-5.53E-06	-3.05E-04	6.35E-05
3.07E+02	-5.26E-05	-3.33E-04	-1.14E-05
3.07E+02	-1.52E-04	-3.48E-04	-5.15E-05
3.07E+02	-1.98E-04	-3.33E-04	-6.73E-05
3.07E+02	-2.52E-04	-3.12E-04	-2.69E-05
3.07E+02	-3.50E-04	-3.31E-04	6.29E-06
3.07E+02	-4.10E-04	-3.63E-04	1.18E-05
3.07E+02	-4.39E-04	-3.68E-04	2.25E-05
3.07E+02	-4.29E-04	-3.70E-04	-2.25E-05
3.07E+02	-4.14E-04	-3.71E-04	-6.07E-05
3.07E+02	-4.18E-04	-3.67E-04	-5.53E-05
3.07E+02	-3.56E-04	-3.60E-04	-7.27E-05

3.07E+02	-2.90E-04	-3.48E-04	-5.82E-05
3.07E+02	-2.74E-04	-3.65E-04	-6.68E-05
3.07E+02	-2.44E-04	-3.97E-04	-9.69E-05
3.07E+02	-2.12E-04	-4.12E-04	-4.92E-05
3.07E+02	-1.82E-04	-4.32E-04	-2.48E-05
3.07E+02	-1.65E-04	-4.48E-04	-2.37E-05
3.07E+02	-1.80E-04	-4.49E-04	-2.12E-05
3.07E+02	-1.80E-04	-4.18E-04	-5.23E-05
3.07E+02	-1.71E-04	-3.46E-04	-7.11E-05
3.07E+02	-1.76E-04	-3.07E-04	-1.30E-04
3.07E+02	-1.91E-04	-3.15E-04	-1.90E-04
3.07E+02	-2.04E-04	-3.13E-04	-1.45E-04
3.07E+02	-2.09E-04	-3.19E-04	-1.16E-04
3.07E+02	-2.53E-04	-3.39E-04	-1.16E-04
3.07E+02	-3.45E-04	-3.52E-04	-5.51E-05
3.07E+02	-3.98E-04	-3.79E-04	-1.01E-05
3.07E+02	-4.33E-04	-3.92E-04	3.47E-05
3.07E+02	-5.05E-04	-3.98E-04	5.74E-05
3.07E+02	-5.45E-04	-4.05E-04	7.97E-05
3.07E+02	-5.46E-04	-3.71E-04	1.79E-04
3.07E+02	-5.11E-04	-3.52E-04	1.79E-04
3.07E+02	-4.50E-04	-3.43E-04	1.38E-04
3.07E+02	-4.25E-04	-3.40E-04	1.31E-04
3.07E+02	-3.63E-04	-3.48E-04	9.75E-05
3.07E+02	-2.70E-04	-3.11E-04	1.42E-04
3.07E+02	-2.45E-04	-2.98E-04	1.35E-04
3.07E+02	-2.31E-04	-3.15E-04	5.80E-05
3.07E+02	-2.08E-04	-3.08E-04	8.11E-05
3.07E+02	-1.88E-04	-3.13E-04	8.72E-05
3.07E+02	-1.95E-04	-3.36E-04	4.37E-05
3.07E+02	-2.62E-04	-3.51E-04	2.73E-05
3.07E+02	-2.94E-04	-3.56E-04	7.82E-06
3.07E+02	-3.02E-04	-3.54E-04	1.32E-05
3.07E+02	-3.66E-04	-3.63E-04	-2.59E-05
3.07E+02	-4.09E-04	-3.85E-04	-1.13E-04
3.07E+02	-4.22E-04	-3.77E-04	-8.91E-05
3.07E+02	-4.22E-04	-3.83E-04	-8.51E-05
3.07E+02	-4.10E-04	-4.27E-04	-1.53E-04
3.07E+02	-4.27E-04	-4.48E-04	-1.34E-04
3.07E+02	-4.00E-04	-4.40E-04	-6.73E-05
3.07E+02	-3.31E-04	-4.07E-04	2.73E-05
3.07E+02	-3.16E-04	-3.97E-04	7.90E-05
3.07E+02	-2.88E-04	-4.08E-04	4.02E-05
3.07E+02	-2.24E-04	-3.79E-04	5.30E-05
3.07E+02	-1.62E-04	-3.56E-04	6.29E-05
3.07E+02	-9.59E-05	-3.37E-04	5.15E-05
3.07E+02	-6.39E-05	-2.99E-04	3.72E-05

3.07E+02	-9.92E-06	-2.83E-04	-6.79E-05
3.07E+02	6.79E-05	-2.55E-04	-1.15E-04
3.07E+02	7.19E-05	-2.56E-04	-1.52E-04
3.07E+02	6.22E-05	-2.89E-04	-2.43E-04
3.07E+02	6.26E-05	-2.73E-04	-2.15E-04
3.07E+02	4.98E-05	-2.57E-04	-2.21E-04
3.07E+02	2.99E-05	-2.69E-04	-2.77E-04
3.07E+02	-4.41E-05	-2.51E-04	-2.41E-04
3.07E+02	-1.07E-04	-1.90E-04	-1.62E-04
3.07E+02	-1.11E-04	-1.12E-04	-7.71E-05
3.07E+02	-1.26E-04	-9.71E-05	-1.71E-04
3.07E+02	-1.66E-04	-1.34E-04	-3.31E-04
3.07E+02	-1.95E-04	-1.16E-04	-2.12E-04
3.07E+02	-1.72E-04	-9.25E-05	-1.07E-04
3.07E+02	-1.28E-04	-1.18E-04	-2.24E-04
3.07E+02	-1.29E-04	-1.02E-04	-2.32E-04
3.07E+02	-1.21E-04	-6.18E-05	-1.73E-04
3.07E+02	-7.42E-05	-4.08E-05	-1.67E-04
3.07E+02	-4.46E-05	-1.74E-05	-1.48E-04
3.07E+02	-2.21E-05	-8.01E-06	-1.49E-04
3.07E+02	9.54E-06	-4.20E-06	-1.11E-04
3.07E+02	3.97E-05	-4.01E-06	-9.29E-05
3.07E+02	8.74E-05	-1.07E-05	-1.60E-04
3.07E+02	1.20E-04	-4.58E-06	-2.16E-04
3.07E+02	1.46E-04	3.03E-05	-2.46E-04
3.07E+02	2.08E-04	9.23E-05	-2.30E-04
3.07E+02	2.24E-04	1.22E-04	-2.33E-04
3.07E+02	2.16E-04	1.14E-04	-2.96E-04
3.08E+02	2.32E-04	1.19E-04	-3.20E-04
3.08E+02	2.16E-04	1.29E-04	-3.23E-04
3.08E+02	1.98E-04	1.22E-04	-3.70E-04
3.08E+02	1.57E-04	1.14E-04	-3.65E-04
3.08E+02	1.15E-04	1.06E-04	-3.08E-04
3.08E+02	1.20E-04	9.57E-05	-2.54E-04
3.08E+02	1.01E-04	9.31E-05	-1.64E-04
3.08E+02	8.01E-05	7.31E-05	-1.42E-04
3.08E+02	8.20E-05	6.37E-05	-1.47E-04
3.08E+02	9.61E-05	7.80E-05	-9.57E-05
3.08E+02	1.32E-04	7.88E-05	-1.27E-04
3.08E+02	1.42E-04	9.00E-05	-1.52E-04
3.08E+02	1.49E-04	1.19E-04	-9.73E-05
3.08E+02	2.01E-04	1.63E-04	-2.77E-05
3.08E+02	2.17E-04	1.90E-04	6.68E-06
3.08E+02	1.84E-04	1.70E-04	-5.30E-05
3.08E+02	1.84E-04	1.49E-04	-9.37E-05
3.08E+02	1.84E-04	1.16E-04	-1.05E-04
3.08E+02	1.51E-04	6.94E-05	-1.62E-04

3.08E+02	9.08E-05	4.52E-05	-1.93E-04
3.08E+02	3.22E-05	2.88E-05	-1.84E-04
3.08E+02	1.20E-05	2.46E-05	-1.79E-04
3.08E+02	-1.89E-05	2.67E-05	-1.79E-04
3.08E+02	-5.51E-05	4.39E-06	-2.06E-04
3.08E+02	-5.66E-05	-6.10E-06	-2.25E-04
3.08E+02	-3.38E-05	-8.01E-06	-2.05E-04
3.08E+02	1.05E-05	-3.97E-05	-2.23E-04
3.08E+02	2.78E-05	-7.51E-05	-2.55E-04
3.08E+02	3.76E-05	-9.08E-05	-2.64E-04
3.08E+02	9.42E-05	-7.46E-05	-2.44E-04
3.08E+02	1.25E-04	-6.29E-05	-2.13E-04
3.08E+02	1.22E-04	-8.39E-05	-2.38E-04
3.08E+02	1.38E-04	-8.09E-05	-2.20E-04
3.08E+02	1.60E-04	-5.70E-05	-1.49E-04
3.08E+02	1.80E-04	-3.15E-05	-1.19E-04
3.08E+02	1.73E-04	1.45E-05	-1.02E-04
3.08E+02	1.59E-04	5.72E-05	-1.14E-04
3.08E+02	1.84E-04	1.17E-04	-1.05E-04
3.08E+02	1.89E-04	1.73E-04	-5.72E-05
3.08E+02	1.56E-04	1.80E-04	-7.82E-05
3.08E+02	1.31E-04	1.99E-04	-7.78E-05
3.08E+02	1.19E-04	2.24E-04	-2.98E-05
3.08E+02	1.23E-04	2.24E-04	-5.63E-05
3.08E+02	8.85E-05	2.07E-04	-9.17E-05
3.08E+02	3.74E-05	1.98E-04	-1.13E-04
3.08E+02	5.23E-05	2.52E-04	-1.12E-04
3.08E+02	5.42E-05	3.24E-04	-7.44E-05
3.08E+02	3.59E-05	3.73E-04	-1.08E-04
3.08E+02	3.72E-05	3.96E-04	-1.35E-04
3.08E+02	4.27E-05	3.89E-04	-8.87E-05
3.08E+02	8.43E-05	3.76E-04	-7.00E-05
3.08E+02	8.47E-05	3.45E-04	-6.96E-05
3.08E+02	4.96E-05	3.10E-04	-7.72E-05
3.08E+02	8.22E-05	3.13E-04	-1.06E-04
3.08E+02	1.15E-04	3.30E-04	-1.04E-04
3.08E+02	1.18E-04	3.00E-04	-1.43E-04
3.08E+02	1.30E-04	2.53E-04	-1.82E-04
3.08E+02	1.64E-04	2.43E-04	-9.61E-05
3.08E+02	2.34E-04	2.45E-04	-3.64E-05
3.08E+02	2.83E-04	2.42E-04	-3.45E-05
3.08E+02	2.95E-04	2.31E-04	-2.27E-05
3.08E+02	3.35E-04	2.19E-04	-6.68E-06
3.08E+02	3.56E-04	2.04E-04	2.27E-05
3.08E+02	3.27E-04	1.69E-04	-2.48E-05
3.08E+02	3.08E-04	1.64E-04	-9.33E-05
3.08E+02	2.92E-04	2.00E-04	-9.69E-05

3.08E+02	3.05E-04	2.29E-04	-9.92E-05
3.08E+02	2.98E-04	2.25E-04	-7.57E-05
3.08E+02	2.33E-04	1.91E-04	-2.75E-05
3.08E+02	2.36E-04	1.82E-04	8.20E-06
3.08E+02	2.60E-04	2.01E-04	3.76E-05
3.08E+02	2.47E-04	1.99E-04	7.82E-06
3.08E+02	2.66E-04	1.97E-04	-3.34E-05
3.08E+02	2.92E-04	2.11E-04	1.14E-05
3.08E+02	3.33E-04	2.13E-04	3.64E-05
3.08E+02	3.65E-04	1.97E-04	1.91E-06
3.08E+02	3.43E-04	1.75E-04	-7.44E-06
3.08E+02	3.42E-04	1.71E-04	-2.06E-05
3.08E+02	3.36E-04	1.87E-04	-2.38E-05
3.08E+02	2.86E-04	1.94E-04	-4.96E-05
3.08E+02	1.87E-04	1.71E-04	-1.12E-04
3.08E+02	9.75E-05	2.45E-04	1.81E-05
3.08E+02	1.96E-04	3.49E-04	-4.60E-05
3.08E+02	2.25E-04	2.48E-04	-5.03E-04
3.08E+02	3.38E-05	2.16E-04	-3.19E-04
3.08E+02	1.62E-05	3.28E-04	1.83E-04
3.08E+02	9.04E-05	2.61E-04	2.52E-05
3.08E+02	8.20E-05	1.72E-04	-1.46E-04
3.08E+02	1.11E-04	1.77E-04	-3.15E-05
3.08E+02	1.21E-04	1.79E-04	1.31E-04
3.08E+02	1.94E-04	1.62E-04	1.90E-04
3.08E+02	2.76E-04	1.06E-04	1.20E-04
3.08E+02	2.31E-04	9.42E-05	2.12E-04
3.08E+02	2.19E-04	1.02E-04	2.74E-04
3.08E+02	2.07E-04	8.56E-05	2.65E-04
3.08E+02	1.43E-04	9.38E-05	3.05E-04
3.08E+02	1.04E-04	9.29E-05	2.62E-04
3.08E+02	3.26E-05	8.47E-05	2.07E-04
3.08E+02	-3.80E-05	7.65E-05	1.44E-04
3.08E+02	-5.70E-05	7.36E-05	6.62E-05
3.08E+02	-1.05E-04	8.87E-05	3.24E-06
3.08E+02	-1.33E-04	1.00E-04	-6.26E-05
3.08E+02	-1.01E-04	1.32E-04	-7.53E-05
3.08E+02	-9.65E-05	1.56E-04	-7.61E-05
3.08E+02	-9.33E-05	1.42E-04	-1.50E-04
3.08E+02	-7.65E-05	1.41E-04	-1.82E-04
3.08E+02	-4.62E-05	1.61E-04	-1.33E-04
3.08E+02	-1.56E-05	1.74E-04	-1.13E-04
3.08E+02	-3.49E-05	1.67E-04	-8.58E-05
3.08E+02	-3.22E-05	1.65E-04	-4.37E-05
3.08E+02	-4.58E-06	1.94E-04	2.14E-05
3.08E+02	-5.34E-06	2.16E-04	7.86E-05
3.08E+02	-6.48E-06	1.94E-04	4.67E-05

3.08E+02	-5.15E-06	1.70E-04	7.27E-05
3.08E+02	-1.72E-06	1.50E-04	1.19E-04
3.08E+02	-4.39E-06	1.01E-04	6.90E-05
3.08E+02	-5.13E-05	5.78E-05	5.21E-05
3.08E+02	-9.99E-05	3.36E-05	5.93E-05
3.08E+02	-1.08E-04	2.42E-05	8.28E-05
3.08E+02	-1.40E-04	7.44E-06	1.05E-04
3.08E+02	-1.79E-04	-5.07E-05	7.29E-05
3.08E+02	-1.90E-04	-9.19E-05	1.20E-04
3.08E+02	-1.95E-04	-1.38E-04	1.57E-04
3.08E+02	-1.78E-04	-2.23E-04	1.05E-04
3.08E+02	-1.79E-04	-2.83E-04	1.06E-04
3.08E+02	-1.66E-04	-3.11E-04	1.26E-04
3.08E+02	-9.50E-05	-2.72E-04	1.86E-04
3.08E+02	-6.77E-05	-2.10E-04	2.34E-04
3.08E+02	-6.20E-05	-1.96E-04	1.72E-04
3.08E+02	-3.38E-05	-1.50E-04	1.50E-04
3.08E+02	4.58E-06	-9.29E-05	1.45E-04
3.08E+02	5.44E-05	-5.86E-05	9.00E-05
3.08E+02	5.23E-05	5.34E-06	7.27E-05
3.08E+02	5.68E-05	6.81E-05	5.87E-05
3.08E+02	1.15E-04	1.16E-04	4.83E-05
3.08E+02	1.27E-04	1.38E-04	6.75E-05
3.08E+02	1.01E-04	9.25E-05	3.40E-05
3.08E+02	5.91E-05	3.49E-05	2.86E-05
3.08E+02	1.32E-05	-1.89E-05	6.10E-05
3.08E+02	9.54E-07	-8.26E-05	1.28E-05
3.08E+02	-3.34E-05	-1.24E-04	-1.87E-05
3.08E+02	-4.92E-05	-1.42E-04	-1.05E-05
3.08E+02	9.35E-06	-1.17E-04	3.60E-05
3.08E+02	5.74E-05	-8.96E-05	1.07E-04
3.08E+02	8.03E-05	-1.24E-04	9.40E-05
3.08E+02	1.18E-04	-1.58E-04	9.50E-05
3.08E+02	1.89E-04	-1.74E-04	1.21E-04
3.08E+02	2.52E-04	-2.07E-04	1.12E-04
3.08E+02	2.65E-04	-2.22E-04	1.41E-04
3.08E+02	2.74E-04	-2.11E-04	1.79E-04
3.08E+02	2.93E-04	-1.81E-04	2.16E-04
3.08E+02	2.74E-04	-1.37E-04	2.34E-04
3.08E+02	2.16E-04	-1.13E-04	1.95E-04
3.08E+02	1.72E-04	-8.96E-05	1.94E-04
3.08E+02	1.43E-04	-6.56E-05	2.12E-04
3.08E+02	1.22E-04	-6.62E-05	1.59E-04
3.08E+02	9.10E-05	-7.69E-05	1.02E-04
3.08E+02	5.63E-05	-7.90E-05	6.92E-05
3.08E+02	7.61E-05	-5.19E-05	5.68E-05
3.08E+02	9.48E-05	-1.05E-05	8.28E-05

3.08E+02	9.14E-05	1.91E-06	7.04E-05
3.08E+02	1.23E-04	1.14E-06	5.61E-05
3.08E+02	1.55E-04	1.49E-05	8.47E-05
3.08E+02	1.95E-04	1.47E-05	6.14E-05
3.08E+02	2.24E-04	1.68E-05	5.09E-05
3.08E+02	1.87E-04	1.05E-05	6.29E-05
3.08E+02	1.80E-04	-1.20E-05	5.63E-05
3.08E+02	1.80E-04	-2.04E-05	7.59E-05
3.08E+02	1.32E-04	-5.51E-05	6.01E-05
3.08E+02	1.05E-04	-7.46E-05	6.43E-05
3.08E+02	8.64E-05	-6.96E-05	1.18E-04
3.08E+02	9.98E-05	-8.07E-05	1.12E-04
3.08E+02	1.11E-04	-8.91E-05	8.24E-05
3.08E+02	7.59E-05	-1.04E-04	8.14E-05
3.08E+02	8.37E-05	-8.14E-05	1.05E-04
3.08E+02	5.25E-05	-5.23E-05	2.04E-04
3.08E+02	-5.72E-06	-4.58E-06	3.29E-04
3.08E+02	6.37E-05	4.62E-05	2.62E-04
3.08E+02	1.19E-04	-6.68E-05	4.52E-05
3.08E+02	5.65E-05	-1.63E-04	1.05E-04
3.08E+02	-1.91E-06	-1.06E-04	4.22E-04
3.08E+02	-6.29E-06	-1.29E-04	4.11E-04
3.08E+02	1.11E-05	-2.24E-04	1.36E-04
3.08E+02	6.68E-06	-2.15E-04	1.29E-04
3.08E+02	-4.39E-06	-1.69E-04	2.27E-04
3.08E+02	2.82E-05	-1.77E-04	1.68E-04
3.08E+02	6.12E-05	-1.65E-04	1.18E-04
3.08E+02	8.41E-05	-1.09E-04	1.24E-04
3.08E+02	9.75E-05	-5.82E-05	1.34E-04
3.08E+02	6.35E-05	-4.20E-05	1.16E-04
3.08E+02	7.42E-05	-1.93E-05	8.47E-05
3.08E+02	1.19E-04	7.92E-05	1.27E-04
3.08E+02	1.00E-04	1.47E-04	1.38E-04
3.08E+02	8.64E-05	1.54E-04	9.10E-05
3.08E+02	1.02E-04	1.72E-04	1.27E-04
3.08E+02	1.28E-04	1.67E-04	1.92E-04
3.08E+02	1.40E-04	1.54E-04	2.57E-04
3.08E+02	1.01E-04	1.19E-04	3.09E-04
3.08E+02	9.50E-05	7.53E-05	3.06E-04
3.08E+02	1.14E-04	6.66E-05	3.42E-04
3.09E+02	9.80E-05	3.20E-05	3.64E-04
3.09E+02	1.04E-04	4.01E-06	3.43E-04
3.09E+02	1.23E-04	1.96E-05	3.94E-04
3.09E+02	1.36E-04	2.92E-05	4.13E-04
3.09E+02	1.28E-04	1.20E-05	3.78E-04
3.09E+02	7.82E-05	-1.09E-05	4.12E-04
3.09E+02	6.37E-05	-2.00E-05	4.27E-04

3.09E+02	6.39E-05	-8.20E-06	4.11E-04
3.09E+02	1.68E-05	1.34E-06	3.86E-04
3.09E+02	-1.54E-05	-1.72E-05	3.16E-04
3.09E+02	-1.20E-05	-9.16E-06	2.92E-04
3.09E+02	2.02E-05	1.96E-05	2.89E-04
3.09E+02	4.39E-05	2.80E-05	2.61E-04
3.09E+02	3.81E-07	1.34E-05	2.43E-04
3.09E+02	-1.28E-05	-2.54E-05	1.99E-04
3.09E+02	1.93E-05	-4.39E-05	1.71E-04
3.09E+02	1.05E-05	-6.64E-05	1.36E-04
3.09E+02	4.39E-06	-8.20E-05	8.34E-05
3.09E+02	3.43E-06	-3.97E-05	1.13E-04
3.09E+02	2.35E-05	1.32E-05	1.51E-04
3.09E+02	6.07E-05	7.04E-05	1.70E-04
3.09E+02	4.22E-05	1.21E-04	2.26E-04
3.09E+02	3.87E-05	1.45E-04	2.77E-04
3.09E+02	7.74E-05	1.79E-04	3.51E-04
3.09E+02	7.90E-05	1.73E-04	3.89E-04
3.09E+02	7.72E-05	9.78E-05	3.39E-04
3.09E+02	1.09E-04	3.68E-05	3.51E-04
3.09E+02	1.31E-04	-2.29E-05	3.59E-04
3.09E+02	1.46E-04	-8.18E-05	3.06E-04
3.09E+02	1.41E-04	-9.65E-05	2.89E-04
3.09E+02	1.43E-04	-1.05E-04	2.32E-04
3.09E+02	1.81E-04	-8.09E-05	1.67E-04
3.09E+02	1.77E-04	-4.67E-05	1.22E-04
3.09E+02	1.41E-04	-3.91E-05	4.69E-05
3.09E+02	1.01E-04	-3.24E-06	5.80E-05
3.09E+02	5.68E-05	3.15E-05	8.09E-05
3.09E+02	3.19E-05	4.88E-05	4.69E-05
3.09E+02	-4.14E-05	5.46E-05	5.80E-05
3.09E+02	-1.13E-04	5.68E-05	6.77E-05
3.09E+02	-1.12E-04	9.65E-05	1.01E-04
3.09E+02	-1.34E-04	1.26E-04	1.14E-04
3.09E+02	-1.60E-04	1.28E-04	4.01E-05
3.09E+02	-1.48E-04	1.46E-04	1.79E-05
3.09E+02	-1.12E-04	1.76E-04	4.01E-05
3.09E+02	-6.03E-05	2.14E-04	5.00E-05
3.09E+02	-5.84E-05	2.47E-04	7.82E-05
3.09E+02	-6.43E-05	2.65E-04	9.46E-05
3.09E+02	-2.71E-05	2.86E-04	1.15E-04
3.09E+02	-2.82E-05	2.96E-04	1.40E-04
3.09E+02	-5.04E-05	2.71E-04	1.11E-04
3.09E+02	-5.26E-05	2.61E-04	1.11E-04
3.09E+02	-4.46E-05	2.79E-04	1.68E-04
3.09E+02	-1.39E-05	2.85E-04	1.82E-04
3.09E+02	-2.14E-05	2.73E-04	2.00E-04

3.09E+02	-5.09E-05	2.44E-04	2.16E-04
3.09E+02	-4.27E-05	2.31E-04	1.99E-04
3.09E+02	-6.89E-05	2.16E-04	1.59E-04
3.09E+02	-1.17E-04	1.56E-04	3.22E-05
3.09E+02	-1.38E-04	1.21E-04	-6.07E-05
3.09E+02	-1.37E-04	1.17E-04	-7.55E-05
3.09E+02	-1.11E-04	1.06E-04	-1.04E-04
3.09E+02	-1.23E-04	9.90E-05	-1.06E-04
3.09E+02	-1.47E-04	7.53E-05	-9.44E-05
3.09E+02	-1.17E-04	7.38E-05	-8.89E-05
3.09E+02	-1.06E-04	8.51E-05	-9.38E-05
3.09E+02	-1.09E-04	8.47E-05	-1.70E-04
3.09E+02	-8.85E-05	1.14E-04	-2.19E-04
3.09E+02	-3.97E-05	1.62E-04	-1.87E-04
3.09E+02	3.05E-06	1.95E-04	-1.69E-04
3.09E+02	-7.06E-06	2.25E-04	-1.13E-04
3.09E+02	2.54E-05	2.76E-04	-9.98E-05
3.09E+02	9.08E-05	2.73E-04	-2.18E-04
3.09E+02	7.53E-05	2.45E-04	-2.47E-04
3.09E+02	7.44E-06	2.76E-04	-1.54E-04
3.09E+02	-2.12E-05	2.99E-04	-1.15E-04
3.09E+02	-1.72E-05	3.06E-04	-1.79E-04
3.09E+02	-4.88E-05	3.25E-04	-2.31E-04
3.09E+02	-1.06E-04	3.73E-04	-1.31E-04
3.09E+02	-1.43E-04	4.23E-04	-3.41E-05
3.09E+02	-1.16E-04	4.53E-04	-7.13E-05
3.09E+02	-8.20E-05	4.83E-04	-9.80E-05
3.09E+02	-9.35E-05	4.86E-04	-7.63E-05
3.09E+02	-9.06E-05	4.84E-04	-5.80E-05
3.09E+02	-6.54E-05	4.64E-04	-8.01E-05
3.09E+02	-2.86E-05	4.38E-04	-1.36E-04
3.09E+02	-2.56E-05	4.31E-04	-1.43E-04
3.09E+02	-7.19E-05	4.02E-04	-1.63E-04
3.09E+02	-8.47E-05	3.97E-04	-1.91E-04
3.09E+02	-8.83E-05	4.27E-04	-1.45E-04
3.09E+02	-1.16E-04	4.15E-04	-1.50E-04
3.09E+02	-1.28E-04	3.81E-04	-2.00E-04
3.09E+02	-1.29E-04	3.64E-04	-1.85E-04
3.09E+02	-1.13E-04	3.52E-04	-1.75E-04
3.09E+02	-1.21E-04	3.42E-04	-1.83E-04
3.09E+02	-1.48E-04	3.38E-04	-1.98E-04
3.09E+02	-1.36E-04	3.34E-04	-2.29E-04
3.09E+02	-1.40E-04	3.40E-04	-2.19E-04
3.09E+02	-1.68E-04	3.34E-04	-2.51E-04
3.09E+02	-1.75E-04	3.11E-04	-3.22E-04
3.09E+02	-1.67E-04	3.22E-04	-3.19E-04
3.09E+02	-1.26E-04	3.31E-04	-3.66E-04

3.09E+02	-9.04E-05	3.23E-04	-4.03E-04
3.09E+02	-1.20E-04	3.16E-04	-3.46E-04
3.09E+02	-1.11E-04	3.05E-04	-3.07E-04
3.09E+02	-7.84E-05	3.14E-04	-2.52E-04
3.09E+02	-1.10E-04	2.97E-04	-2.46E-04
3.09E+02	-1.26E-04	2.59E-04	-2.77E-04
3.09E+02	-1.09E-04	2.53E-04	-2.30E-04
3.09E+02	-7.10E-05	2.45E-04	-2.15E-04
3.09E+02	-3.45E-05	2.35E-04	-2.14E-04
3.09E+02	-5.07E-05	2.27E-04	-1.88E-04
3.09E+02	-4.04E-05	2.25E-04	-1.97E-04
3.09E+02	-3.43E-06	2.47E-04	-2.01E-04
3.09E+02	-2.29E-05	2.37E-04	-2.44E-04
3.09E+02	-5.76E-05	2.10E-04	-3.05E-04
3.09E+02	-8.13E-05	2.02E-04	-2.95E-04
3.09E+02	-8.37E-05	1.66E-04	-3.22E-04
3.09E+02	-8.98E-05	1.16E-04	-3.76E-04
3.09E+02	-1.46E-04	7.36E-05	-3.64E-04
3.09E+02	-1.63E-04	3.78E-05	-3.44E-04
3.09E+02	-1.42E-04	4.92E-05	-2.98E-04
3.09E+02	-1.64E-04	5.38E-05	-2.90E-04
3.09E+02	-1.61E-04	4.58E-05	-3.51E-04
3.09E+02	-1.21E-04	8.62E-05	-3.27E-04
3.09E+02	-9.52E-05	1.01E-04	-2.97E-04
3.09E+02	-6.10E-05	1.09E-04	-2.92E-04
3.09E+02	-5.55E-05	1.30E-04	-2.65E-04
3.09E+02	-6.28E-05	1.13E-04	-2.99E-04
3.09E+02	-2.25E-05	1.19E-04	-3.07E-04
3.09E+02	-1.51E-05	1.09E-04	-2.96E-04
3.09E+02	-2.67E-05	7.88E-05	-3.30E-04
3.09E+02	-1.53E-06	8.60E-05	-2.89E-04
3.09E+02	3.87E-05	9.46E-05	-2.59E-04
3.09E+02	7.99E-05	1.02E-04	-2.91E-04
3.09E+02	6.14E-05	1.06E-04	-2.84E-04
3.09E+02	4.96E-05	1.12E-04	-2.81E-04
3.09E+02	7.50E-05	1.44E-04	-2.60E-04
3.09E+02	3.66E-05	1.41E-04	-2.93E-04
3.09E+02	-5.15E-06	1.01E-04	-4.11E-04
3.09E+02	-2.40E-05	8.14E-05	-4.61E-04
3.09E+02	-4.18E-05	6.31E-05	-4.82E-04
3.09E+02	-4.23E-05	5.28E-05	-4.77E-04
3.09E+02	-8.60E-05	3.76E-05	-4.48E-04
3.09E+02	-1.08E-04	1.37E-05	-4.48E-04
3.09E+02	-6.56E-05	3.53E-05	-4.11E-04
3.09E+02	-6.20E-05	5.57E-05	-4.03E-04
3.09E+02	-6.58E-05	5.61E-05	-4.34E-04
3.09E+02	-4.88E-05	8.68E-05	-3.96E-04

3.09E+02	-2.25E-05	1.04E-04	-3.73E-04
3.09E+02	1.64E-05	8.85E-05	-3.95E-04
3.09E+02	1.30E-05	7.19E-05	-3.83E-04
3.09E+02	1.70E-05	5.82E-05	-3.68E-04
3.09E+02	5.68E-05	7.55E-05	-3.22E-04
3.09E+02	5.93E-05	7.69E-05	-2.76E-04
3.09E+02	4.62E-05	3.34E-05	-3.22E-04
3.09E+02	5.42E-05	6.10E-06	-3.58E-04
3.09E+02	7.97E-05	-1.72E-05	-3.74E-04
3.09E+02	1.03E-04	-3.19E-05	-4.23E-04
3.09E+02	7.27E-05	-2.80E-05	-4.32E-04
3.09E+02	3.30E-05	-2.31E-05	-4.31E-04
3.09E+02	3.95E-05	3.05E-06	-4.17E-04
3.09E+02	1.66E-05	1.70E-05	-3.84E-04
3.09E+02	-2.94E-05	7.63E-06	-4.14E-04
3.09E+02	-3.70E-05	1.22E-05	-3.97E-04
3.09E+02	-2.78E-05	1.56E-05	-3.36E-04
3.09E+02	-1.22E-05	5.34E-06	-3.05E-04
3.09E+02	-2.35E-05	-4.20E-06	-2.52E-04
3.09E+02	1.16E-05	-1.37E-05	-3.08E-04
3.09E+02	1.16E-04	-2.71E-05	-4.29E-04
3.09E+02	1.08E-04	-3.78E-05	-4.42E-04
3.09E+02	5.89E-05	-4.04E-05	-4.25E-04
3.09E+02	8.20E-05	-3.05E-06	-4.38E-04
3.09E+02	9.78E-05	4.65E-05	-5.11E-04
3.09E+02	9.40E-05	6.28E-05	-5.42E-04
3.09E+02	5.13E-05	1.07E-04	-3.96E-04
3.09E+02	1.79E-05	1.60E-04	-2.70E-04
3.09E+02	3.60E-05	1.84E-04	-2.61E-04
3.09E+02	8.96E-06	2.05E-04	-2.43E-04
3.09E+02	-3.99E-05	1.94E-04	-2.53E-04
3.09E+02	-6.20E-05	1.83E-04	-2.66E-04
3.09E+02	-6.66E-05	1.76E-04	-2.93E-04
3.09E+02	-4.06E-05	1.34E-04	-3.95E-04
3.09E+02	-3.57E-05	1.09E-04	-4.09E-04
3.09E+02	-5.65E-05	8.11E-05	-3.73E-04
3.09E+02	-3.99E-05	5.15E-05	-3.74E-04
3.09E+02	-2.71E-05	6.58E-05	-3.34E-04
3.09E+02	-3.53E-05	5.09E-05	-3.50E-04
3.09E+02	-2.17E-05	3.30E-05	-3.80E-04
3.09E+02	4.20E-06	5.26E-05	-3.48E-04
3.09E+02	4.12E-05	5.46E-05	-3.71E-04
3.09E+02	5.23E-05	5.51E-05	-4.05E-04
3.09E+02	5.28E-05	4.63E-05	-4.14E-04
3.09E+02	1.05E-04	2.98E-05	-4.10E-04
3.09E+02	1.45E-04	1.43E-05	-3.67E-04
3.09E+02	1.54E-04	-3.36E-05	-3.62E-04

3.09E+02	1.76E-04	-5.46E-05	-3.40E-04
3.09E+02	2.11E-04	-3.72E-05	-2.62E-04
3.09E+02	2.49E-04	-4.14E-05	-2.54E-04
3.09E+02	2.53E-04	-5.23E-05	-2.65E-04
3.09E+02	2.36E-04	-5.70E-05	-2.46E-04
3.10E+02	2.38E-04	-4.50E-05	-2.24E-04
3.10E+02	2.24E-04	-1.39E-05	-1.89E-04
3.10E+02	1.90E-04	-6.87E-06	-2.13E-04
3.10E+02	1.72E-04	-8.77E-06	-2.26E-04
3.10E+02	1.80E-04	6.10E-06	-1.60E-04
3.10E+02	2.07E-04	-5.72E-07	-1.24E-04
3.10E+02	1.96E-04	-1.35E-05	-1.02E-04
3.10E+02	1.40E-04	-1.11E-05	-9.29E-05
3.10E+02	1.25E-04	-2.10E-06	-1.21E-04
3.10E+02	1.15E-04	2.63E-05	-1.23E-04
3.10E+02	6.87E-05	3.60E-05	-1.62E-04
3.10E+02	4.94E-05	4.65E-05	-2.01E-04
3.10E+02	4.50E-05	8.43E-05	-1.51E-04
3.10E+02	5.57E-05	9.63E-05	-1.52E-04
3.10E+02	5.66E-05	9.80E-05	-2.03E-04
3.10E+02	2.10E-05	1.02E-04	-2.22E-04
3.10E+02	3.03E-05	1.31E-04	-2.38E-04
3.10E+02	4.48E-05	1.91E-04	-2.19E-04
3.10E+02	8.01E-06	2.18E-04	-2.26E-04
3.10E+02	-4.96E-06	2.32E-04	-2.41E-04
3.10E+02	-2.10E-06	2.56E-04	-1.71E-04
3.10E+02	4.20E-06	2.55E-04	-1.11E-04
3.10E+02	4.20E-06	2.38E-04	-6.41E-05
3.10E+02	-3.78E-05	2.14E-04	-4.58E-06
3.10E+02	-3.47E-05	1.89E-04	1.87E-05
3.10E+02	-1.77E-05	1.78E-04	5.51E-05
3.10E+02	-5.32E-05	1.33E-04	4.79E-05
3.10E+02	-6.41E-05	6.73E-05	3.43E-06
3.10E+02	-6.28E-05	2.54E-05	2.78E-05
3.10E+02	-5.11E-05	-2.61E-05	3.53E-05
3.10E+02	-3.99E-05	-8.58E-05	2.52E-05
3.10E+02	-7.95E-05	-1.20E-04	6.31E-05
3.10E+02	-8.98E-05	-1.19E-04	1.09E-04
3.10E+02	-9.25E-05	-1.03E-04	1.37E-04
3.10E+02	-1.38E-04	-9.06E-05	9.48E-05
3.10E+02	-1.59E-04	-8.11E-05	3.49E-05
3.10E+02	-1.76E-04	-6.50E-05	5.21E-05
3.10E+02	-1.78E-04	-4.04E-05	7.06E-05
3.10E+02	-1.66E-04	-3.40E-05	7.10E-05
3.10E+02	-1.99E-04	-3.32E-05	7.50E-05
3.10E+02	-1.96E-04	-2.19E-05	4.44E-05
3.10E+02	-1.56E-04	-4.96E-06	3.78E-05

3.10E+02	-1.59E-04	5.53E-06	4.01E-05
3.10E+02	-1.64E-04	7.44E-06	9.92E-06
3.10E+02	-1.51E-04	2.92E-05	3.99E-05
3.10E+02	-1.31E-04	3.74E-05	7.69E-05
3.10E+02	-1.20E-04	9.73E-06	6.62E-05
3.10E+02	-1.53E-04	-2.92E-05	9.92E-05
3.10E+02	-1.63E-04	-5.68E-05	1.66E-04
3.10E+02	-1.58E-04	-5.66E-05	2.46E-04
3.10E+02	-1.97E-04	-6.35E-05	2.80E-04
3.10E+02	-2.31E-04	-8.81E-05	2.27E-04
3.10E+02	-2.26E-04	-7.97E-05	2.29E-04
3.10E+02	-1.93E-04	-4.79E-05	2.58E-04
3.10E+02	-1.67E-04	-2.56E-05	2.66E-04
3.10E+02	-1.83E-04	-1.20E-05	3.12E-04
3.10E+02	-1.82E-04	-1.66E-05	3.47E-04
3.10E+02	-1.30E-04	-1.79E-05	3.91E-04
3.10E+02	-1.14E-04	-5.19E-05	3.75E-04
3.10E+02	-1.47E-04	-1.12E-04	3.06E-04
3.10E+02	-1.37E-04	-9.33E-05	3.42E-04
3.10E+02	-7.72E-05	-5.25E-05	3.01E-04
3.10E+02	-3.64E-05	-2.88E-05	1.80E-04
3.10E+02	-5.13E-05	6.87E-06	1.99E-04
3.10E+02	-7.69E-05	5.47E-05	2.78E-04
3.10E+02	-8.16E-05	1.38E-04	3.46E-04
3.10E+02	-1.31E-04	1.66E-04	3.13E-04
3.10E+02	-2.22E-04	1.26E-04	2.14E-04
3.10E+02	-2.76E-04	1.28E-04	2.65E-04
3.10E+02	-2.81E-04	1.34E-04	3.13E-04
3.10E+02	-2.88E-04	1.07E-04	2.81E-04
3.10E+02	-3.38E-04	9.02E-05	3.01E-04
3.10E+02	-3.67E-04	8.56E-05	3.15E-04
3.10E+02	-3.46E-04	9.71E-05	3.33E-04
3.10E+02	-3.50E-04	1.05E-04	3.18E-04
3.10E+02	-3.60E-04	8.26E-05	2.51E-04
3.10E+02	-3.25E-04	8.39E-05	2.93E-04
3.10E+02	-2.70E-04	9.00E-05	3.68E-04
3.10E+02	-2.13E-04	5.44E-05	3.75E-04
3.10E+02	-1.92E-04	1.18E-05	4.26E-04
3.10E+02	-1.74E-04	-3.91E-05	4.92E-04
3.10E+02	-1.26E-04	-7.88E-05	5.34E-04
3.10E+02	-1.17E-04	-1.13E-04	5.44E-04
3.10E+02	-1.19E-04	-1.79E-04	4.47E-04
3.10E+02	-9.10E-05	-2.14E-04	3.75E-04
3.10E+02	-6.31E-05	-2.08E-04	3.61E-04
3.10E+02	-3.20E-05	-2.06E-04	3.22E-04
3.10E+02	-4.46E-05	-1.92E-04	3.37E-04
3.10E+02	-8.18E-05	-1.92E-04	3.59E-04

3.10E+02	-7.72E-05	-1.95E-04	3.66E-04
3.10E+02	-9.67E-05	-1.89E-04	4.12E-04
3.10E+02	-1.37E-04	-2.02E-04	4.10E-04
3.10E+02	-1.39E-04	-1.95E-04	4.19E-04
3.10E+02	-1.32E-04	-1.65E-04	4.77E-04
3.10E+02	-1.10E-04	-1.48E-04	4.74E-04
3.10E+02	-1.30E-04	-1.56E-04	4.70E-04
3.10E+02	-1.71E-04	-1.66E-04	5.01E-04
3.10E+02	-1.44E-04	-1.38E-04	5.29E-04
3.10E+02	-1.52E-04	-1.14E-04	5.43E-04
3.10E+02	-1.84E-04	-1.14E-04	4.96E-04
3.10E+02	-1.68E-04	-9.71E-05	4.78E-04
3.10E+02	-1.41E-04	-6.68E-05	5.22E-04
3.10E+02	-9.33E-05	-4.33E-05	5.31E-04
3.10E+02	-8.05E-05	-3.13E-05	5.36E-04
3.10E+02	-8.98E-05	-4.18E-05	5.25E-04
3.10E+02	-3.89E-05	-5.44E-05	5.13E-04
3.10E+02	-1.14E-05	-7.59E-05	5.35E-04
3.10E+02	-2.06E-05	-1.33E-04	5.00E-04
3.10E+02	-1.09E-05	-1.80E-04	4.72E-04
3.10E+02	-2.48E-06	-2.13E-04	4.68E-04
3.10E+02	1.98E-05	-2.54E-04	3.93E-04
3.10E+02	1.22E-05	-2.92E-04	3.26E-04
3.10E+02	-1.45E-05	-3.18E-04	3.07E-04
3.10E+02	1.07E-05	-3.22E-04	3.37E-04
3.10E+02	2.27E-05	-3.11E-04	3.93E-04
3.10E+02	9.16E-06	-3.31E-04	3.77E-04
3.10E+02	1.85E-05	-3.59E-04	3.69E-04
3.10E+02	5.46E-05	-3.45E-04	4.30E-04
3.10E+02	1.02E-04	-3.43E-04	4.37E-04
3.10E+02	1.05E-04	-3.44E-04	4.17E-04
3.10E+02	8.75E-05	-3.15E-04	4.07E-04
3.10E+02	1.13E-04	-2.75E-04	3.69E-04
3.10E+02	1.26E-04	-2.21E-04	3.51E-04
3.10E+02	1.09E-04	-2.00E-04	3.05E-04
3.10E+02	1.05E-04	-1.93E-04	2.81E-04
3.10E+02	1.02E-04	-1.65E-04	3.30E-04
3.10E+02	1.01E-04	-1.62E-04	3.06E-04
3.10E+02	7.36E-05	-1.79E-04	2.62E-04
3.10E+02	8.96E-06	-2.06E-04	2.63E-04
3.10E+02	-5.91E-06	-2.21E-04	2.75E-04
3.10E+02	-1.81E-05	-2.29E-04	3.23E-04
3.10E+02	-6.26E-05	-2.70E-04	3.17E-04
3.10E+02	-6.39E-05	-3.09E-04	2.97E-04
3.10E+02	-5.63E-05	-3.24E-04	3.48E-04
3.10E+02	-3.13E-05	-3.31E-04	3.58E-04
3.10E+02	-1.93E-05	-3.40E-04	3.31E-04

3.10E+02	-5.87E-05	-3.48E-04	3.38E-04
3.10E+02	-4.33E-05	-3.35E-04	3.53E-04
3.10E+02	-3.60E-05	-3.07E-04	3.81E-04
3.10E+02	-7.93E-05	-3.04E-04	3.74E-04
3.10E+02	-1.10E-04	-3.17E-04	3.47E-04
3.10E+02	-1.35E-04	-3.06E-04	3.97E-04
3.10E+02	-1.11E-04	-2.87E-04	4.05E-04
3.10E+02	-1.03E-04	-2.90E-04	3.32E-04
3.10E+02	-1.33E-04	-3.00E-04	3.01E-04
3.10E+02	-1.12E-04	-2.89E-04	2.97E-04
3.10E+02	-9.38E-05	-2.59E-04	3.24E-04
3.10E+02	-1.22E-04	-2.75E-04	3.10E-04
3.10E+02	-1.42E-04	-3.10E-04	2.64E-04
3.10E+02	-1.57E-04	-3.11E-04	3.19E-04
3.10E+02	-1.72E-04	-3.14E-04	3.76E-04
3.10E+02	-1.93E-04	-3.12E-04	3.67E-04
3.10E+02	-2.54E-04	-3.19E-04	3.54E-04
3.10E+02	-2.79E-04	-3.41E-04	3.65E-04
3.10E+02	-2.61E-04	-3.21E-04	4.05E-04
3.10E+02	-2.88E-04	-3.11E-04	3.75E-04
3.10E+02	-3.02E-04	-3.40E-04	2.78E-04
3.10E+02	-2.82E-04	-3.40E-04	2.60E-04
3.10E+02	-2.62E-04	-3.41E-04	2.51E-04
3.10E+02	-2.27E-04	-3.50E-04	2.11E-04
3.10E+02	-2.26E-04	-3.49E-04	2.35E-04
3.10E+02	-2.13E-04	-3.46E-04	2.89E-04
3.10E+02	-1.66E-04	-3.13E-04	3.43E-04
3.10E+02	-1.75E-04	-2.95E-04	3.29E-04
3.10E+02	-1.93E-04	-3.03E-04	2.69E-04
3.10E+02	-1.78E-04	-2.84E-04	2.76E-04
3.10E+02	-1.50E-04	-2.56E-04	2.67E-04
3.10E+02	-1.32E-04	-2.45E-04	2.38E-04
3.10E+02	-1.67E-04	-2.50E-04	2.36E-04
3.10E+02	-1.79E-04	-2.61E-04	2.16E-04
3.10E+02	-1.51E-04	-2.56E-04	2.17E-04
3.10E+02	-1.68E-04	-2.70E-04	2.09E-04
3.10E+02	-1.96E-04	-3.06E-04	1.90E-04
3.10E+02	-2.08E-04	-3.12E-04	2.42E-04
3.10E+02	-1.98E-04	-3.14E-04	2.72E-04
3.10E+02	-1.77E-04	-3.31E-04	2.49E-04
3.10E+02	-1.94E-04	-3.50E-04	2.44E-04
3.10E+02	-1.76E-04	-3.46E-04	2.44E-04
3.10E+02	-1.14E-04	-2.97E-04	2.77E-04
3.10E+02	-9.38E-05	-2.64E-04	2.67E-04
3.10E+02	-7.69E-05	-2.67E-04	1.79E-04
3.10E+02	-3.80E-05	-2.61E-04	1.50E-04
3.10E+02	8.96E-06	-2.53E-04	1.45E-04

3.10E+02	3.83E-05	-2.52E-04	1.18E-04
3.10E+02	4.77E-06	-2.53E-04	1.08E-04
3.10E+02	-2.71E-05	-2.44E-04	9.17E-05
3.10E+02	-3.03E-05	-2.04E-04	1.12E-04
3.10E+02	-7.27E-05	-1.71E-04	1.33E-04
3.10E+02	-1.22E-04	-1.61E-04	1.16E-04
3.10E+02	-1.52E-04	-1.26E-04	1.67E-04
3.10E+02	-1.60E-04	-8.51E-05	2.38E-04
3.10E+02	-1.40E-04	-6.62E-05	2.45E-04
3.10E+02	-1.52E-04	-6.92E-05	2.72E-04
3.10E+02	-1.44E-04	-8.24E-05	3.02E-04
3.10E+02	-8.37E-05	-8.30E-05	3.05E-04
3.10E+02	-5.09E-05	-9.27E-05	2.77E-04
3.10E+02	-4.08E-05	-1.35E-04	1.90E-04
3.10E+02	-6.10E-06	-1.52E-04	1.63E-04
3.10E+02	5.15E-05	-1.24E-04	1.80E-04
3.10E+02	9.38E-05	-1.06E-04	1.29E-04
3.11E+02	8.34E-05	-1.01E-04	9.92E-05
3.11E+02	7.48E-05	-9.63E-05	8.41E-05
3.11E+02	1.11E-04	-7.63E-05	6.87E-05
3.11E+02	1.15E-04	-5.28E-05	8.11E-05
3.11E+02	1.05E-04	-5.05E-05	6.22E-05
3.11E+02	1.20E-04	-4.50E-05	8.13E-05
3.11E+02	1.37E-04	-4.63E-05	1.11E-04
3.11E+02	1.72E-04	-5.99E-05	7.51E-05
3.11E+02	1.71E-04	-7.97E-05	7.40E-05
3.11E+02	1.55E-04	-8.58E-05	1.06E-04
3.11E+02	1.82E-04	-5.55E-05	1.42E-04
3.11E+02	1.79E-04	-4.41E-05	1.65E-04
3.11E+02	1.49E-04	-8.30E-05	1.18E-04
3.11E+02	1.41E-04	-1.25E-04	1.03E-04
3.11E+02	1.26E-04	-1.66E-04	1.42E-04
3.11E+02	1.14E-04	-2.23E-04	1.36E-04
3.11E+02	7.88E-05	-2.60E-04	1.27E-04
3.11E+02	2.23E-05	-2.86E-04	1.19E-04
3.11E+02	3.78E-05	-2.70E-04	1.18E-04
3.11E+02	5.68E-05	-2.21E-04	1.45E-04
3.11E+02	3.36E-05	-2.04E-04	1.28E-04
3.11E+02	5.00E-05	-1.55E-04	1.50E-04
3.11E+02	8.14E-05	-9.56E-05	1.95E-04
3.11E+02	1.21E-04	-7.46E-05	1.53E-04
3.11E+02	1.45E-04	-6.18E-05	1.19E-04
3.11E+02	1.44E-04	-6.54E-05	1.14E-04
3.11E+02	1.84E-04	-5.05E-05	1.45E-04
3.11E+02	1.92E-04	-4.23E-05	1.78E-04
3.11E+02	1.56E-04	-7.10E-05	8.74E-05
3.11E+02	1.41E-04	-7.74E-05	3.62E-06

3.11E+02	1.29E-04	-6.01E-05	1.85E-05
3.11E+02	1.23E-04	-4.08E-05	1.64E-05
3.11E+02	9.40E-05	-2.78E-05	1.18E-05
3.11E+02	4.84E-05	-3.93E-05	1.14E-05
3.11E+02	5.36E-05	-5.42E-05	-1.18E-05
3.11E+02	5.70E-05	-8.79E-05	-4.01E-05
3.11E+02	4.35E-05	-1.65E-04	-1.30E-04
3.11E+02	7.00E-05	-2.32E-04	-2.00E-04
3.11E+02	1.17E-04	-2.74E-04	-1.94E-04
3.11E+02	1.69E-04	-3.09E-04	-2.24E-04
3.11E+02	1.99E-04	-3.34E-04	-2.56E-04
3.11E+02	2.11E-04	-3.39E-04	-2.61E-04
3.11E+02	2.61E-04	-3.06E-04	-2.38E-04
3.11E+02	2.88E-04	-2.69E-04	-1.84E-04
3.11E+02	2.70E-04	-2.66E-04	-1.91E-04
3.11E+02	2.62E-04	-2.67E-04	-1.96E-04
3.11E+02	2.53E-04	-2.29E-04	-1.40E-04
3.11E+02	2.75E-04	-1.72E-04	-1.10E-04
3.11E+02	3.17E-04	-1.17E-04	-1.30E-04
3.11E+02	3.44E-04	-9.42E-05	-2.08E-04
3.11E+02	3.96E-04	-8.37E-05	-2.17E-04
3.11E+02	4.30E-04	-2.59E-05	-8.03E-05
3.11E+02	4.29E-04	6.10E-06	-7.71E-05
3.11E+02	4.55E-04	-1.34E-06	-1.88E-04
3.11E+02	4.79E-04	2.67E-06	-1.35E-04
3.11E+02	4.83E-04	1.53E-06	-9.12E-05
3.11E+02	4.79E-04	1.26E-05	-1.48E-04
3.11E+02	4.37E-04	2.69E-05	-1.89E-04
3.11E+02	4.11E-04	4.06E-05	-2.38E-04
3.11E+02	4.03E-04	6.43E-05	-2.54E-04
3.11E+02	3.73E-04	4.75E-05	-3.12E-04
3.11E+02	3.71E-04	4.20E-06	-4.00E-04
3.11E+02	3.81E-04	-2.84E-05	-3.77E-04
3.11E+02	3.93E-04	-7.25E-05	-3.40E-04
3.11E+02	3.84E-04	-1.23E-04	-3.21E-04
3.11E+02	3.20E-04	-1.90E-04	-3.21E-04
3.11E+02	3.08E-04	-2.56E-04	-3.19E-04
3.11E+02	3.09E-04	-3.06E-04	-2.68E-04
3.11E+02	2.66E-04	-3.63E-04	-2.45E-04
3.11E+02	2.57E-04	-3.87E-04	-2.17E-04
3.11E+02	2.56E-04	-4.04E-04	-1.42E-04
3.11E+02	2.75E-04	-4.37E-04	-1.17E-04
3.11E+02	3.07E-04	-4.61E-04	-1.46E-04
3.11E+02	2.92E-04	-4.95E-04	-1.69E-04
3.11E+02	3.03E-04	-4.87E-04	-1.74E-04
3.11E+02	3.21E-04	-4.38E-04	-1.42E-04
3.11E+02	2.81E-04	-4.25E-04	-1.61E-04

3.11E+02	2.59E-04	-4.27E-04	-2.35E-04
3.11E+02	2.62E-04	-4.01E-04	-2.23E-04
3.11E+02	2.70E-04	-3.53E-04	-2.20E-04
3.11E+02	2.93E-04	-2.96E-04	-2.69E-04
3.11E+02	2.79E-04	-2.41E-04	-2.95E-04
3.11E+02	2.83E-04	-1.84E-04	-3.31E-04
3.11E+02	3.16E-04	-1.29E-04	-3.40E-04
3.11E+02	2.88E-04	-1.12E-04	-3.51E-04
3.11E+02	2.56E-04	-1.06E-04	-3.59E-04
3.11E+02	2.29E-04	-7.92E-05	-3.04E-04
3.11E+02	1.93E-04	-7.67E-05	-3.21E-04
3.11E+02	1.75E-04	-7.67E-05	-3.82E-04
3.11E+02	1.24E-04	-6.81E-05	-3.92E-04
3.11E+02	1.10E-04	-6.03E-05	-3.90E-04
3.11E+02	1.50E-04	-1.51E-05	-3.44E-04
3.11E+02	1.57E-04	9.16E-06	-3.04E-04
3.11E+02	1.74E-04	-7.82E-06	-2.91E-04
3.11E+02	2.12E-04	-2.33E-05	-2.20E-04
3.11E+02	2.54E-04	-5.97E-05	-1.59E-04
3.11E+02	2.96E-04	-1.13E-04	-1.46E-04
3.11E+02	2.83E-04	-1.77E-04	-1.70E-04
3.11E+02	2.80E-04	-2.38E-04	-2.48E-04
3.11E+02	3.13E-04	-2.56E-04	-3.20E-04
3.11E+02	3.10E-04	-2.63E-04	-3.91E-04
3.11E+02	3.03E-04	-2.78E-04	-4.56E-04
3.11E+02	2.96E-04	-2.70E-04	-4.25E-04
3.11E+02	2.94E-04	-2.66E-04	-3.80E-04
3.11E+02	3.01E-04	-2.79E-04	-3.82E-04
3.11E+02	2.60E-04	-2.78E-04	-3.55E-04
3.11E+02	2.45E-04	-2.46E-04	-3.22E-04
3.11E+02	2.87E-04	-1.66E-04	-2.69E-04
3.11E+02	3.03E-04	-8.24E-05	-2.43E-04
3.11E+02	3.16E-04	-3.41E-05	-2.96E-04
3.11E+02	3.47E-04	1.91E-05	-3.02E-04
3.11E+02	3.80E-04	6.41E-05	-2.87E-04
3.11E+02	4.16E-04	8.79E-05	-2.85E-04
3.11E+02	4.02E-04	1.09E-04	-2.48E-04
3.11E+02	3.73E-04	1.17E-04	-2.35E-04
3.11E+02	3.86E-04	1.37E-04	-2.17E-04
3.11E+02	3.52E-04	1.45E-04	-1.97E-04
3.11E+02	2.81E-04	1.28E-04	-2.22E-04
3.11E+02	2.29E-04	1.38E-04	-2.09E-04
3.11E+02	1.88E-04	1.56E-04	-1.85E-04
3.11E+02	1.72E-04	1.62E-04	-2.11E-04
3.11E+02	1.22E-04	1.45E-04	-2.51E-04
3.11E+02	8.45E-05	1.23E-04	-2.98E-04
3.11E+02	1.29E-04	1.40E-04	-3.21E-04

3.11E+02	1.42E-04	1.18E-04	-3.62E-04
3.11E+02	1.39E-04	4.33E-05	-4.48E-04
3.11E+02	1.54E-04	-1.83E-05	-4.67E-04
3.11E+02	1.65E-04	-7.80E-05	-4.47E-04
3.11E+02	1.83E-04	-1.32E-04	-4.47E-04
3.11E+02	1.49E-04	-1.69E-04	-4.42E-04
3.11E+02	1.22E-04	-1.89E-04	-4.80E-04
3.11E+02	1.68E-04	-1.71E-04	-5.05E-04
3.11E+02	2.07E-04	-1.18E-04	-4.83E-04
3.11E+02	2.29E-04	-8.83E-05	-4.99E-04
3.11E+02	2.65E-04	-5.00E-05	-4.68E-04
3.11E+02	2.99E-04	4.39E-06	-4.00E-04
3.11E+02	3.24E-04	1.32E-05	-3.93E-04
3.11E+02	3.18E-04	2.38E-05	-3.32E-04
3.11E+02	2.88E-04	3.19E-05	-2.39E-04
3.11E+02	2.74E-04	5.87E-05	-1.27E-04
3.11E+02	2.59E-04	1.32E-04	-1.91E-07
3.11E+02	2.41E-04	1.52E-04	-5.11E-05
3.11E+02	2.35E-04	1.52E-04	-1.39E-04
3.11E+02	2.22E-04	1.77E-04	-7.92E-05
3.11E+02	2.11E-04	2.00E-04	-2.69E-05
3.11E+02	1.80E-04	2.07E-04	-7.57E-05
3.11E+02	1.66E-04	1.86E-04	-1.37E-04
3.11E+02	2.10E-04	1.93E-04	-1.11E-04
3.11E+02	2.31E-04	2.20E-04	-7.40E-05
3.11E+02	2.40E-04	2.18E-04	-1.50E-04
3.11E+02	2.71E-04	2.34E-04	-2.26E-04
3.11E+02	2.82E-04	2.55E-04	-2.29E-04
3.11E+02	2.96E-04	2.60E-04	-2.81E-04
3.11E+02	2.83E-04	2.70E-04	-3.76E-04
3.11E+02	2.28E-04	2.57E-04	-4.52E-04
3.11E+02	2.13E-04	2.51E-04	-4.83E-04
3.11E+02	1.89E-04	2.56E-04	-4.71E-04
3.11E+02	1.26E-04	2.25E-04	-5.25E-04
3.11E+02	9.54E-05	1.96E-04	-5.61E-04
3.11E+02	7.88E-05	1.64E-04	-5.17E-04
3.11E+02	8.68E-05	1.32E-04	-5.04E-04
3.11E+02	9.80E-05	1.24E-04	-4.88E-04
3.11E+02	8.09E-05	9.82E-05	-4.99E-04
3.11E+02	1.20E-04	7.21E-05	-5.23E-04
3.11E+02	1.65E-04	6.41E-05	-4.84E-04
3.11E+02	1.63E-04	3.53E-05	-4.73E-04
3.11E+02	1.81E-04	1.43E-05	-4.14E-04
3.11E+02	1.99E-04	7.63E-06	-2.38E-04
3.11E+02	2.26E-04	-1.68E-05	-1.03E-04
3.11E+02	2.42E-04	-3.91E-05	8.01E-06
3.11E+02	2.12E-04	-5.15E-05	1.24E-04

3.11E+02	2.28E-04	-3.22E-05	2.20E-04
3.11E+02	2.48E-04	1.32E-05	3.17E-04
3.11E+02	2.21E-04	1.79E-05	3.03E-04
3.11E+02	2.24E-04	-4.96E-06	2.41E-04
3.11E+02	2.38E-04	-8.58E-06	2.48E-04
3.11E+02	2.64E-04	-4.01E-06	2.28E-04
3.11E+02	2.57E-04	-5.53E-06	1.73E-04
3.11E+02	1.92E-04	-4.77E-06	1.07E-04
3.11E+02	1.80E-04	2.02E-05	4.84E-05
3.11E+02	1.68E-04	6.28E-05	5.00E-05
3.11E+02	1.01E-04	7.29E-05	2.69E-05
3.11E+02	4.79E-05	7.36E-05	9.54E-07
3.11E+02	2.29E-06	9.73E-05	7.72E-05
3.11E+02	-2.77E-05	1.05E-04	1.38E-04
3.11E+02	-6.45E-05	1.08E-04	1.63E-04
3.11E+02	-1.27E-04	1.17E-04	1.93E-04
3.11E+02	-1.32E-04	1.41E-04	2.11E-04
3.11E+02	-1.14E-04	1.86E-04	2.48E-04
3.11E+02	-1.27E-04	1.84E-04	1.79E-04
3.11E+02	-1.16E-04	1.52E-04	3.81E-05
3.11E+02	-8.37E-05	1.39E-04	-4.90E-05
3.11E+02	-3.26E-05	1.24E-04	-1.70E-04
3.11E+02	1.53E-06	1.15E-04	-2.98E-04
3.11E+02	-5.72E-06	1.10E-04	-4.04E-04
3.11E+02	2.08E-05	9.84E-05	-5.06E-04
3.11E+02	3.70E-05	1.02E-04	-5.59E-04
3.11E+02	-6.29E-06	7.72E-05	-6.20E-04
3.11E+02	-4.98E-05	3.24E-05	-6.51E-04
3.11E+02	-8.68E-05	2.37E-05	-5.70E-04
3.12E+02	-1.13E-04	1.39E-05	-4.87E-04
3.12E+02	-1.44E-04	1.72E-06	-4.25E-04
3.12E+02	-2.10E-04	2.67E-06	-3.16E-04
3.12E+02	-2.50E-04	2.08E-05	-1.73E-04
3.12E+02	-2.65E-04	6.08E-05	-2.23E-05
3.12E+02	-3.10E-04	6.26E-05	4.94E-05
3.12E+02	-3.51E-04	3.76E-05	8.51E-05
3.12E+02	-3.69E-04	3.76E-05	1.86E-04
3.12E+02	-3.68E-04	5.00E-05	2.61E-04
3.12E+02	-3.79E-04	8.41E-05	2.91E-04
3.12E+02	-4.38E-04	1.25E-04	3.11E-04
3.12E+02	-4.72E-04	1.63E-04	3.01E-04
3.12E+02	-4.76E-04	2.22E-04	3.36E-04
3.12E+02	-5.15E-04	2.49E-04	3.65E-04
3.12E+02	-5.38E-04	2.41E-04	3.26E-04
3.12E+02	-5.29E-04	2.53E-04	3.41E-04
3.12E+02	-4.92E-04	2.54E-04	3.52E-04
3.12E+02	-4.21E-04	2.38E-04	3.19E-04

3.12E+02	-3.65E-04	2.35E-04	3.31E-04
3.12E+02	-2.83E-04	2.57E-04	3.49E-04
3.12E+02	-1.59E-04	3.07E-04	3.81E-04
3.12E+02	-8.93E-05	3.21E-04	3.84E-04
3.12E+02	-5.57E-05	2.89E-04	3.43E-04
3.12E+02	-2.78E-05	2.53E-04	3.76E-04
3.12E+02	-1.62E-05	2.14E-04	4.44E-04
3.12E+02	-2.92E-05	1.65E-04	5.16E-04
3.12E+02	-1.03E-04	1.05E-04	5.98E-04
3.12E+02	-1.60E-04	7.50E-05	6.61E-04
3.12E+02	-1.76E-04	7.46E-05	7.26E-04
3.12E+02	-2.17E-04	7.46E-05	7.62E-04
3.12E+02	-2.53E-04	8.58E-05	7.49E-04
3.12E+02	-2.77E-04	9.42E-05	7.24E-04
3.12E+02	-2.74E-04	9.59E-05	6.77E-04
3.12E+02	-2.46E-04	1.05E-04	6.16E-04
3.12E+02	-2.56E-04	1.14E-04	5.95E-04
3.12E+02	-2.14E-04	1.13E-04	5.28E-04
3.12E+02	-1.05E-04	1.23E-04	3.91E-04
3.12E+02	-7.06E-05	1.23E-04	2.85E-04
3.12E+02	-7.44E-05	1.16E-04	1.20E-04
3.12E+02	-6.10E-05	1.24E-04	-1.55E-04
3.12E+02	-3.83E-05	1.38E-04	-4.22E-04
3.12E+02	-2.90E-05	1.77E-04	-6.05E-04
3.12E+02	-9.52E-05	2.16E-04	-7.19E-04
3.12E+02	-1.43E-04	2.45E-04	-8.54E-04
3.12E+02	-1.22E-04	3.01E-04	-9.36E-04
3.12E+02	-1.43E-04	3.32E-04	-8.88E-04
3.12E+02	-1.76E-04	3.22E-04	-8.41E-04
3.12E+02	-1.57E-04	3.49E-04	-7.70E-04
3.12E+02	-1.29E-04	3.76E-04	-6.82E-04
3.12E+02	-9.98E-05	3.56E-04	-6.57E-04
3.12E+02	-9.80E-05	3.44E-04	-5.75E-04
3.12E+02	-1.11E-04	3.48E-04	-4.27E-04
3.12E+02	-7.04E-05	3.66E-04	-2.28E-04
3.12E+02	-5.74E-05	3.61E-04	-5.34E-06
3.12E+02	-7.40E-05	2.96E-04	1.55E-04
3.12E+02	-5.53E-05	2.26E-04	3.78E-04
3.12E+02	-4.52E-05	1.69E-04	6.15E-04
3.12E+02	-2.92E-05	1.04E-04	7.32E-04
3.12E+02	-4.83E-05	3.66E-05	8.13E-04
3.12E+02	-9.46E-05	-2.37E-05	8.25E-04
3.12E+02	-8.56E-05	-5.23E-05	8.10E-04
3.12E+02	-1.05E-04	-5.72E-05	8.53E-04
3.12E+02	-1.47E-04	-9.80E-05	8.91E-04
3.12E+02	-1.69E-04	-1.46E-04	9.94E-04
3.12E+02	-2.03E-04	-1.75E-04	1.12E-03

3.12E+02	-2.25E-04	-2.20E-04	1.13E-03
3.12E+02	-2.85E-04	-2.59E-04	1.07E-03
3.12E+02	-3.66E-04	-2.69E-04	9.49E-04
3.12E+02	-3.87E-04	-2.09E-04	8.08E-04
3.12E+02	-4.12E-04	-9.82E-05	6.73E-04
3.12E+02	-4.45E-04	-2.08E-05	4.67E-04
3.12E+02	-4.43E-04	5.57E-05	3.23E-04
3.12E+02	-4.22E-04	1.26E-04	3.01E-04
3.12E+02	-3.84E-04	1.53E-04	2.97E-04
3.12E+02	-3.82E-04	1.65E-04	3.12E-04
3.12E+02	-4.05E-04	1.61E-04	3.14E-04
3.12E+02	-3.82E-04	1.78E-04	2.93E-04
3.12E+02	-3.64E-04	2.15E-04	2.55E-04
3.12E+02	-3.82E-04	2.37E-04	1.13E-04
3.12E+02	-3.75E-04	2.85E-04	-1.58E-05
3.12E+02	-3.34E-04	3.45E-04	-5.40E-05
3.12E+02	-2.74E-04	3.72E-04	-1.16E-04
3.12E+02	-2.36E-04	3.53E-04	-1.63E-04
3.12E+02	-2.35E-04	2.95E-04	-2.03E-04
3.12E+02	-1.95E-04	2.40E-04	-2.64E-04
3.12E+02	-1.66E-04	1.85E-04	-3.10E-04
3.12E+02	-1.92E-04	1.18E-04	-4.15E-04
3.12E+02	-1.98E-04	7.63E-05	-5.04E-04
3.12E+02	-1.85E-04	6.28E-05	-4.85E-04
3.12E+02	-1.46E-04	4.60E-05	-4.01E-04
3.12E+02	-1.24E-04	1.91E-06	-2.53E-04
3.12E+02	-1.17E-04	-7.61E-05	-7.65E-05
3.12E+02	-3.60E-05	-1.46E-04	1.11E-04
3.12E+02	3.68E-05	-2.03E-04	2.90E-04
3.12E+02	5.30E-05	-2.89E-04	3.25E-04
3.12E+02	7.08E-05	-3.39E-04	2.57E-04
3.12E+02	7.55E-05	-3.22E-04	1.88E-04
3.12E+02	7.95E-05	-2.78E-04	5.36E-05
3.12E+02	7.34E-05	-2.09E-04	-6.10E-05
3.12E+02	1.62E-05	-1.40E-04	-8.14E-05
3.12E+02	-2.00E-05	-6.47E-05	-3.57E-05
3.12E+02	-4.69E-05	4.58E-06	6.60E-05
3.12E+02	-1.15E-04	3.81E-06	8.41E-05
3.12E+02	-1.73E-04	-2.38E-05	9.54E-05
3.12E+02	-2.26E-04	-1.35E-05	1.83E-04
3.12E+02	-2.56E-04	2.96E-05	1.81E-04
3.12E+02	-2.91E-04	1.07E-04	1.31E-04
3.12E+02	-3.51E-04	1.97E-04	7.84E-05
3.12E+02	-3.31E-04	2.76E-04	-6.48E-06
3.12E+02	-2.68E-04	3.52E-04	-5.53E-05
3.12E+02	-2.21E-04	3.66E-04	-1.15E-04
3.12E+02	-1.67E-04	3.26E-04	-1.66E-04

3.12E+02	-1.19E-04	3.00E-04	-1.54E-04
3.12E+02	-8.30E-05	2.46E-04	-2.12E-04
3.12E+02	-1.05E-04	1.78E-04	-2.82E-04
3.12E+02	-1.92E-04	1.40E-04	-2.62E-04
3.12E+02	-2.54E-04	1.32E-04	-2.13E-04
3.12E+02	-3.02E-04	1.58E-04	-9.82E-05
3.12E+02	-3.73E-04	1.53E-04	-1.56E-05
3.12E+02	-4.08E-04	1.13E-04	-3.01E-05
3.12E+02	-3.97E-04	7.80E-05	-3.99E-05
3.12E+02	-3.44E-04	2.42E-05	-1.09E-04
3.12E+02	-2.85E-04	-3.62E-05	-2.27E-04
3.12E+02	-2.72E-04	-9.16E-05	-3.11E-04
3.12E+02	-2.29E-04	-1.29E-04	-3.56E-04
3.12E+02	-1.70E-04	-1.19E-04	-2.97E-04
3.12E+02	-1.78E-04	-1.04E-04	-1.78E-04
3.12E+02	-2.18E-04	-8.77E-05	-5.70E-05
3.12E+02	-2.71E-04	-3.95E-05	9.02E-05
3.12E+02	-2.92E-04	4.39E-06	9.90E-05
3.12E+02	-2.88E-04	5.09E-05	-4.39E-05
3.12E+02	-3.47E-04	1.32E-04	-1.20E-04
3.12E+02	-3.90E-04	2.41E-04	-1.31E-04
3.12E+02	-3.90E-04	3.52E-04	-1.99E-04
3.12E+02	-4.26E-04	4.11E-04	-3.58E-04
3.12E+02	-4.57E-04	4.21E-04	-4.75E-04
3.12E+02	-5.00E-04	4.03E-04	-4.91E-04
3.12E+02	-5.17E-04	3.80E-04	-5.24E-04
3.12E+02	-4.59E-04	3.68E-04	-5.70E-04
3.12E+02	-4.46E-04	3.40E-04	-5.59E-04
3.12E+02	-4.06E-04	3.21E-04	-4.86E-04
3.12E+02	-2.78E-04	3.38E-04	-3.45E-04
3.12E+02	-1.89E-04	3.26E-04	-1.84E-04
3.12E+02	-1.25E-04	2.73E-04	-6.07E-05
3.12E+02	-5.49E-05	2.10E-04	4.75E-05
3.12E+02	1.70E-05	1.40E-04	9.27E-05
3.12E+02	8.98E-05	6.41E-05	3.87E-05
3.12E+02	1.04E-04	-8.96E-06	-2.61E-05
3.12E+02	1.21E-04	-3.55E-05	-6.94E-05
3.12E+02	1.51E-04	-5.91E-06	-6.92E-05
3.12E+02	1.04E-04	3.20E-05	-9.75E-05
3.12E+02	2.75E-05	4.98E-05	-2.00E-04
3.12E+02	-5.15E-05	7.78E-05	-1.98E-04
3.12E+02	-1.24E-04	1.30E-04	-1.26E-04
3.12E+02	-2.09E-04	1.59E-04	-9.61E-05
3.12E+02	-3.55E-04	1.83E-04	-6.83E-05
3.12E+02	-4.70E-04	2.21E-04	-8.87E-05
3.12E+02	-5.27E-04	2.79E-04	-1.27E-04
3.12E+02	-5.87E-04	3.49E-04	-1.62E-04

3.12E+02	-6.18E-04	3.96E-04	-1.88E-04
3.12E+02	-6.05E-04	4.63E-04	-1.06E-04
3.12E+02	-5.49E-04	5.07E-04	-4.10E-05
3.12E+02	-4.61E-04	5.10E-04	-5.15E-05
3.12E+02	-4.12E-04	5.23E-04	-2.12E-05
3.12E+02	-3.56E-04	5.22E-04	1.96E-05
3.12E+02	-2.53E-04	5.38E-04	1.05E-04
3.12E+02	-1.82E-04	5.43E-04	2.28E-04
3.12E+02	-1.30E-04	5.02E-04	3.07E-04
3.12E+02	-7.25E-05	4.67E-04	4.13E-04
3.12E+02	-1.89E-05	4.27E-04	5.14E-04
3.12E+02	1.93E-05	3.72E-04	4.96E-04
3.12E+02	-1.37E-05	3.06E-04	3.58E-04
3.12E+02	-5.46E-05	2.41E-04	1.06E-04
3.12E+02	-4.71E-05	2.04E-04	-1.97E-04
3.12E+02	-5.13E-05	1.72E-04	-4.85E-04
3.12E+02	-5.13E-05	1.37E-04	-7.80E-04
3.12E+02	-3.26E-05	1.31E-04	-9.65E-04
3.12E+02	1.91E-06	1.28E-04	-1.02E-03
3.12E+02	7.59E-05	1.03E-04	-1.07E-03
3.12E+02	1.36E-04	7.88E-05	-1.05E-03
3.12E+02	1.91E-04	5.72E-05	-9.87E-04
3.12E+02	3.06E-04	6.85E-05	-9.49E-04
3.12E+02	4.00E-04	9.59E-05	-9.09E-04
3.12E+02	4.28E-04	8.43E-05	-9.49E-04
3.12E+02	4.56E-04	8.96E-05	-9.66E-04
3.12E+02	4.80E-04	1.21E-04	-8.52E-04
3.12E+02	4.84E-04	1.52E-04	-6.86E-04
3.12E+02	4.39E-04	1.88E-04	-4.39E-04
3.12E+02	3.26E-04	1.85E-04	-1.68E-04
3.12E+02	2.44E-04	1.94E-04	8.56E-05
3.12E+02	1.58E-04	2.10E-04	3.21E-04
3.12E+02	8.01E-06	1.68E-04	4.23E-04
3.12E+02	-1.11E-04	1.66E-04	5.19E-04
3.12E+02	-2.13E-04	2.09E-04	6.86E-04
3.12E+02	-3.02E-04	2.46E-04	7.94E-04
3.12E+02	-3.68E-04	2.87E-04	9.08E-04
3.12E+02	-4.55E-04	3.17E-04	1.04E-03
3.12E+02	-4.90E-04	3.49E-04	1.11E-03
3.12E+02	-5.08E-04	3.79E-04	1.11E-03
3.12E+02	-5.53E-04	3.66E-04	9.39E-04
3.13E+02	-5.52E-04	3.48E-04	7.31E-04
3.13E+02	-5.34E-04	3.61E-04	6.03E-04
3.13E+02	-5.03E-04	3.86E-04	5.11E-04
3.13E+02	-4.80E-04	3.97E-04	5.00E-04
3.13E+02	-5.05E-04	3.81E-04	5.60E-04
3.13E+02	-4.74E-04	3.65E-04	6.32E-04

3.13E+02	-4.33E-04	3.45E-04	6.69E-04
3.13E+02	-4.36E-04	2.90E-04	5.66E-04
3.13E+02	-4.08E-04	2.79E-04	3.97E-04
3.13E+02	-3.67E-04	3.17E-04	2.26E-04
3.13E+02	-2.95E-04	3.52E-04	-2.71E-05
3.13E+02	-2.26E-04	3.90E-04	-2.63E-04
3.13E+02	-1.79E-04	4.05E-04	-3.89E-04
3.13E+02	-6.01E-05	4.18E-04	-4.12E-04
3.13E+02	8.09E-05	4.20E-04	-3.36E-04
3.13E+02	1.87E-04	3.53E-04	-3.15E-04
3.13E+02	2.93E-04	2.69E-04	-3.69E-04
3.13E+02	3.93E-04	2.00E-04	-4.28E-04
3.13E+02	4.86E-04	1.37E-04	-5.80E-04
3.13E+02	5.31E-04	1.02E-04	-7.43E-04
3.13E+02	5.33E-04	7.74E-05	-8.30E-04
3.13E+02	5.86E-04	5.74E-05	-8.28E-04
3.13E+02	6.54E-04	5.51E-05	-6.62E-04
3.13E+02	6.73E-04	4.58E-06	-4.38E-04
3.13E+02	6.72E-04	-8.53E-05	-1.99E-04
3.13E+02	6.50E-04	-1.42E-04	8.68E-05
3.13E+02	6.27E-04	-2.14E-04	2.77E-04
3.13E+02	5.78E-04	-2.97E-04	4.16E-04
3.13E+02	4.44E-04	-3.47E-04	6.08E-04
3.13E+02	3.16E-04	-3.64E-04	8.16E-04
3.13E+02	2.20E-04	-3.58E-04	9.68E-04
3.13E+02	1.00E-04	-4.01E-04	9.86E-04
3.13E+02	2.10E-06	-4.67E-04	9.95E-04
3.13E+02	-6.94E-05	-5.10E-04	1.01E-03
3.13E+02	-1.04E-04	-5.32E-04	8.58E-04
3.13E+02	-1.18E-04	-4.96E-04	5.84E-04
3.13E+02	-1.89E-04	-4.33E-04	2.72E-04
3.13E+02	-2.12E-04	-3.35E-04	1.30E-05
3.13E+02	-1.70E-04	-1.58E-04	-7.86E-05
3.13E+02	-1.56E-04	2.57E-05	-5.07E-05
3.13E+02	-1.25E-04	1.82E-04	7.10E-05
3.13E+02	-7.97E-05	3.21E-04	3.13E-04
3.13E+02	-2.14E-05	4.31E-04	5.15E-04
3.13E+02	4.84E-05	5.17E-04	5.87E-04
3.13E+02	7.93E-05	6.01E-04	6.03E-04
3.13E+02	1.20E-04	7.11E-04	5.64E-04
3.13E+02	1.80E-04	8.63E-04	5.16E-04
3.13E+02	1.71E-04	9.98E-04	4.38E-04
3.13E+02	1.34E-04	1.09E-03	3.13E-04
3.13E+02	1.15E-04	1.17E-03	3.14E-04
3.13E+02	8.58E-05	1.20E-03	3.96E-04
3.13E+02	6.07E-05	1.16E-03	4.27E-04
3.13E+02	-1.91E-07	1.07E-03	4.23E-04

3.13E+02	-2.52E-05	9.68E-04	3.51E-04
3.13E+02	1.03E-05	8.80E-04	2.28E-04
3.13E+02	-2.17E-05	7.62E-04	4.14E-05
3.13E+02	-5.91E-05	6.38E-04	-2.06E-04
3.13E+02	-5.84E-05	5.39E-04	-3.62E-04
3.13E+02	-1.74E-05	4.16E-04	-4.53E-04
3.13E+02	7.80E-05	2.80E-04	-5.22E-04
3.13E+02	1.51E-04	1.38E-04	-5.05E-04
3.13E+02	2.52E-04	8.96E-06	-4.60E-04
3.13E+02	3.87E-04	-7.46E-05	-4.12E-04
3.13E+02	4.67E-04	-1.62E-04	-4.02E-04
3.13E+02	5.15E-04	-2.61E-04	-4.64E-04
3.13E+02	5.44E-04	-3.16E-04	-4.76E-04
3.13E+02	5.54E-04	-3.50E-04	-4.66E-04
3.13E+02	5.46E-04	-3.81E-04	-4.86E-04
3.13E+02	4.94E-04	-3.87E-04	-4.73E-04
3.13E+02	4.60E-04	-3.79E-04	-4.42E-04
3.13E+02	4.59E-04	-3.49E-04	-3.55E-04
3.13E+02	4.00E-04	-3.22E-04	-2.29E-04
3.13E+02	2.98E-04	-3.25E-04	-1.45E-04
3.13E+02	1.92E-04	-2.90E-04	-8.77E-06
3.13E+02	7.88E-05	-2.22E-04	1.44E-04
3.13E+02	-1.93E-05	-1.62E-04	2.11E-04
3.13E+02	-1.28E-04	-9.57E-05	2.87E-04
3.13E+02	-2.40E-04	-3.99E-05	3.90E-04
3.13E+02	-2.96E-04	2.02E-05	5.32E-04
3.13E+02	-3.40E-04	7.02E-05	7.02E-04
3.13E+02	-4.03E-04	6.54E-05	8.13E-04
3.13E+02	-4.56E-04	6.14E-05	9.52E-04
3.13E+02	-4.98E-04	7.31E-05	1.10E-03
3.13E+02	-5.42E-04	8.62E-05	1.18E-03
3.13E+02	-6.41E-04	1.25E-04	1.22E-03
3.13E+02	-7.36E-04	1.75E-04	1.18E-03
3.13E+02	-7.68E-04	2.58E-04	1.06E-03
3.13E+02	-7.95E-04	3.63E-04	9.38E-04
3.13E+02	-7.93E-04	4.22E-04	7.48E-04
3.13E+02	-7.50E-04	4.64E-04	6.22E-04
3.13E+02	-6.79E-04	4.86E-04	6.25E-04
3.13E+02	-5.77E-04	4.39E-04	6.24E-04
3.13E+02	-5.20E-04	3.48E-04	6.16E-04
3.13E+02	-4.86E-04	2.37E-04	5.45E-04
3.13E+02	-4.21E-04	1.58E-04	3.73E-04
3.13E+02	-3.77E-04	1.17E-04	1.08E-04
3.13E+02	-3.36E-04	8.34E-05	-2.98E-04
3.13E+02	-2.61E-04	9.73E-05	-6.90E-04
3.13E+02	-1.61E-04	1.37E-04	-1.03E-03
3.13E+02	-3.53E-05	1.75E-04	-1.37E-03

3.13E+02	5.57E-05	2.22E-04	-1.57E-03
3.13E+02	1.15E-04	2.29E-04	-1.60E-03
3.13E+02	2.13E-04	2.11E-04	-1.51E-03
3.13E+02	2.75E-04	1.95E-04	-1.27E-03
3.13E+02	2.87E-04	1.51E-04	-1.04E-03
3.13E+02	3.28E-04	1.39E-04	-8.34E-04
3.13E+02	3.80E-04	1.74E-04	-5.54E-04
3.13E+02	4.55E-04	2.17E-04	-3.23E-04
3.13E+02	5.25E-04	2.64E-04	-1.15E-04
3.13E+02	5.72E-04	2.98E-04	7.10E-05
3.13E+02	6.64E-04	3.24E-04	2.04E-04
3.13E+02	7.12E-04	3.08E-04	2.86E-04
3.13E+02	6.93E-04	2.32E-04	2.74E-04
3.13E+02	6.72E-04	1.49E-04	3.03E-04
3.13E+02	6.06E-04	7.27E-05	4.03E-04
3.13E+02	5.11E-04	1.95E-05	4.52E-04
3.13E+02	3.67E-04	-7.63E-06	4.63E-04
3.13E+02	1.79E-04	-2.48E-05	4.32E-04
3.13E+02	5.57E-05	-5.15E-06	3.77E-04
3.13E+02	-4.65E-05	4.67E-05	3.37E-04
3.13E+02	-1.67E-04	8.47E-05	2.24E-04
3.13E+02	-2.63E-04	1.13E-04	4.62E-05
3.13E+02	-3.36E-04	1.41E-04	-1.57E-04
3.13E+02	-3.71E-04	1.44E-04	-4.28E-04
3.13E+02	-4.14E-04	1.32E-04	-6.49E-04
3.13E+02	-5.00E-04	1.14E-04	-7.63E-04
3.13E+02	-5.59E-04	1.31E-04	-7.83E-04
3.13E+02	-6.30E-04	1.81E-04	-6.94E-04
3.13E+02	-7.26E-04	1.76E-04	-6.70E-04
3.13E+02	-7.60E-04	1.68E-04	-6.38E-04
3.13E+02	-7.68E-04	1.89E-04	-4.39E-04
3.13E+02	-7.54E-04	1.88E-04	-2.61E-04
3.13E+02	-7.29E-04	2.01E-04	-1.04E-04
3.13E+02	-7.22E-04	2.18E-04	1.06E-04
3.13E+02	-6.62E-04	2.13E-04	3.56E-04
3.13E+02	-5.94E-04	2.20E-04	6.73E-04
3.13E+02	-5.66E-04	2.18E-04	9.13E-04
3.13E+02	-5.23E-04	2.21E-04	1.06E-03
3.13E+02	-4.74E-04	2.60E-04	1.16E-03
3.13E+02	-4.00E-04	2.96E-04	1.06E-03
3.13E+02	-3.09E-04	3.45E-04	8.56E-04
3.13E+02	-2.40E-04	4.09E-04	6.56E-04
3.13E+02	-1.27E-04	4.65E-04	5.03E-04
3.13E+02	1.35E-05	5.16E-04	4.67E-04
3.13E+02	1.19E-04	5.06E-04	4.11E-04
3.13E+02	2.41E-04	4.79E-04	3.03E-04
3.13E+02	3.77E-04	4.86E-04	2.54E-04

3.13E+02	5.25E-04	4.77E-04	1.97E-04
3.13E+02	6.48E-04	4.74E-04	1.17E-04
3.13E+02	6.94E-04	4.78E-04	1.66E-05
3.13E+02	7.56E-04	4.67E-04	-1.44E-04
3.13E+02	7.92E-04	4.38E-04	-3.05E-04
3.13E+02	7.53E-04	3.73E-04	-4.46E-04
3.13E+02	7.13E-04	2.78E-04	-5.43E-04
3.13E+02	6.65E-04	1.72E-04	-5.25E-04
3.13E+02	6.37E-04	6.47E-05	-4.44E-04
3.13E+02	6.03E-04	-2.78E-05	-3.36E-04
3.13E+02	5.15E-04	-9.48E-05	-1.91E-04
3.13E+02	4.52E-04	-1.23E-04	-7.99E-05
3.13E+02	4.14E-04	-1.16E-04	-1.85E-05
3.13E+02	3.48E-04	-1.32E-04	-4.23E-05
3.13E+02	3.10E-04	-1.74E-04	-9.37E-05
3.13E+02	3.11E-04	-2.07E-04	-3.78E-05
3.13E+02	3.48E-04	-2.53E-04	2.69E-05
3.13E+02	3.98E-04	-3.17E-04	5.86E-05
3.13E+02	3.97E-04	-4.00E-04	8.45E-05
3.13E+02	3.89E-04	-4.86E-04	3.62E-06
3.13E+02	3.82E-04	-5.23E-04	-1.51E-04
3.13E+02	3.35E-04	-5.05E-04	-3.28E-04
3.13E+02	2.62E-04	-4.59E-04	-5.04E-04
3.13E+02	1.97E-04	-3.51E-04	-5.37E-04
3.13E+02	1.75E-04	-2.17E-04	-5.05E-04
3.13E+02	1.70E-04	-9.71E-05	-4.90E-04
3.13E+02	1.38E-04	4.44E-05	-3.57E-04
3.13E+02	1.32E-04	1.89E-04	-1.49E-04
3.13E+02	1.39E-04	3.31E-04	4.81E-05
3.13E+02	7.84E-05	4.36E-04	1.30E-04
3.13E+02	-6.10E-06	4.93E-04	7.29E-05
3.13E+02	-7.95E-05	5.75E-04	7.21E-05
3.13E+02	-1.44E-04	6.67E-04	1.26E-04
3.13E+02	-1.93E-04	7.56E-04	1.97E-04
3.13E+02	-2.69E-04	8.39E-04	3.35E-04
3.13E+02	-3.12E-04	8.83E-04	4.70E-04
3.13E+02	-2.92E-04	9.06E-04	5.98E-04
3.13E+02	-2.92E-04	8.72E-04	6.79E-04
3.13E+02	-2.86E-04	7.86E-04	6.27E-04
3.13E+02	-2.61E-04	7.24E-04	5.51E-04
3.13E+02	-2.31E-04	6.57E-04	4.15E-04
3.13E+02	-1.68E-04	5.78E-04	1.93E-04
3.13E+02	-1.18E-04	5.26E-04	3.99E-05
3.13E+02	-3.60E-05	4.83E-04	-6.50E-05
3.13E+02	1.26E-04	4.47E-04	-1.15E-04
3.13E+02	2.79E-04	3.63E-04	-1.28E-04
3.13E+02	4.34E-04	2.03E-04	-1.68E-04

3.13E+02	6.07E-04	4.20E-05	-1.45E-04
3.13E+02	7.76E-04	-1.13E-04	-1.70E-04
3.13E+02	9.20E-04	-2.44E-04	-2.90E-04
3.13E+02	9.90E-04	-3.29E-04	-3.71E-04
3.13E+02	1.05E-03	-3.95E-04	-3.95E-04
3.13E+02	1.13E-03	-4.29E-04	-3.14E-04
3.14E+02	1.15E-03	-4.79E-04	-2.10E-04
3.14E+02	1.12E-03	-5.79E-04	-2.28E-04
3.14E+02	1.10E-03	-6.83E-04	-2.45E-04
3.14E+02	1.07E-03	-7.92E-04	-2.33E-04
3.14E+02	1.05E-03	-9.04E-04	-2.80E-04
3.14E+02	9.94E-04	-9.83E-04	-2.82E-04
3.14E+02	9.04E-04	-1.02E-03	-2.12E-04
3.14E+02	8.34E-04	-1.01E-03	-9.65E-05
3.14E+02	7.08E-04	-9.90E-04	-9.92E-06
3.14E+02	5.42E-04	-1.02E-03	-1.17E-04
3.14E+02	3.89E-04	-1.04E-03	-3.49E-04
3.14E+02	2.33E-04	-1.03E-03	-6.61E-04
3.14E+02	9.73E-05	-1.04E-03	-1.04E-03
3.14E+02	-5.82E-05	-9.98E-04	-1.32E-03
3.14E+02	-2.06E-04	-9.03E-04	-1.45E-03
3.14E+02	-2.84E-04	-7.67E-04	-1.42E-03
3.14E+02	-3.87E-04	-6.06E-04	-1.24E-03
3.14E+02	-5.23E-04	-4.79E-04	-9.87E-04
3.14E+02	-6.28E-04	-3.44E-04	-6.52E-04
3.14E+02	-6.98E-04	-1.79E-04	-3.09E-04
3.14E+02	-7.07E-04	-2.86E-05	-1.13E-04
3.14E+02	-7.06E-04	1.06E-04	-7.44E-06
3.14E+02	-6.78E-04	2.26E-04	4.71E-05
3.14E+02	-5.53E-04	3.63E-04	1.12E-04
3.14E+02	-4.21E-04	4.74E-04	2.71E-04
3.14E+02	-2.87E-04	4.68E-04	4.24E-04
3.14E+02	-1.42E-04	3.80E-04	6.06E-04
3.14E+02	-1.41E-05	2.85E-04	8.81E-04
3.14E+02	1.20E-04	1.92E-04	1.02E-03
3.14E+02	1.94E-04	1.10E-04	9.86E-04
3.14E+02	2.33E-04	5.89E-05	8.64E-04
3.14E+02	3.17E-04	6.22E-05	6.96E-04
3.14E+02	3.77E-04	1.24E-04	5.96E-04
3.14E+02	4.03E-04	1.90E-04	5.00E-04
3.14E+02	4.45E-04	2.48E-04	3.73E-04
3.14E+02	4.86E-04	2.61E-04	2.72E-04
3.14E+02	5.44E-04	1.79E-04	1.54E-04
3.14E+02	5.89E-04	3.62E-05	1.53E-04
3.14E+02	6.00E-04	-1.22E-04	3.00E-04
3.14E+02	6.37E-04	-2.43E-04	4.53E-04
3.14E+02	6.49E-04	-3.28E-04	5.34E-04

3.14E+02	5.97E-04	-4.00E-04	4.27E-04
3.14E+02	5.59E-04	-4.34E-04	2.43E-04
3.14E+02	5.73E-04	-4.24E-04	1.38E-04
3.14E+02	6.07E-04	-4.28E-04	1.45E-05
3.14E+02	6.02E-04	-4.72E-04	-1.14E-04
3.14E+02	5.52E-04	-5.51E-04	-2.31E-04
3.14E+02	5.09E-04	-6.76E-04	-3.42E-04
3.14E+02	4.36E-04	-8.02E-04	-3.68E-04
3.14E+02	3.10E-04	-9.20E-04	-3.54E-04
3.14E+02	1.79E-04	-1.01E-03	-3.00E-04
3.14E+02	5.49E-05	-1.01E-03	-2.17E-04
3.14E+02	-2.86E-05	-9.57E-04	-2.45E-04
3.14E+02	-6.85E-05	-8.64E-04	-3.64E-04
3.14E+02	-8.79E-05	-7.55E-04	-4.85E-04
3.14E+02	-6.07E-05	-6.64E-04	-5.51E-04
3.14E+02	-1.87E-05	-6.04E-04	-5.36E-04
3.14E+02	-2.29E-06	-6.13E-04	-5.12E-04
3.14E+02	9.73E-06	-6.39E-04	-4.49E-04
3.14E+02	2.12E-05	-6.26E-04	-3.04E-04
3.14E+02	2.00E-05	-5.93E-04	-2.12E-04
3.14E+02	-3.01E-05	-5.25E-04	-2.05E-04
3.14E+02	-1.34E-04	-4.08E-04	-2.96E-04
3.14E+02	-1.91E-04	-2.26E-04	-5.19E-04
3.14E+02	-2.05E-04	2.86E-06	-7.73E-04
3.14E+02	-2.34E-04	2.03E-04	-9.68E-04
3.14E+02	-2.31E-04	3.71E-04	-9.87E-04
3.14E+02	-2.19E-04	4.93E-04	-8.03E-04
3.14E+02	-2.14E-04	5.26E-04	-6.33E-04
3.14E+02	-2.33E-04	5.05E-04	-5.27E-04
3.14E+02	-3.19E-04	4.55E-04	-4.19E-04
3.14E+02	-3.63E-04	4.14E-04	-3.17E-04
3.14E+02	-3.57E-04	4.22E-04	-2.01E-04
3.14E+02	-3.65E-04	4.26E-04	-1.61E-04
3.14E+02	-3.03E-04	4.14E-04	-1.92E-04
3.14E+02	-1.92E-04	4.04E-04	-1.82E-04
3.14E+02	-7.48E-05	3.41E-04	-1.83E-04
3.14E+02	3.91E-05	2.28E-04	-1.67E-04
3.14E+02	8.89E-05	9.00E-05	-7.38E-05
3.14E+02	1.25E-04	-7.32E-05	4.23E-05
3.14E+02	1.47E-04	-2.22E-04	1.92E-04
3.14E+02	1.01E-04	-3.67E-04	3.19E-04
3.14E+02	5.59E-05	-4.96E-04	3.88E-04
3.14E+02	3.22E-05	-5.96E-04	4.64E-04
3.14E+02	3.68E-05	-7.26E-04	4.55E-04
3.14E+02	8.79E-05	-8.80E-04	3.74E-04
3.14E+02	1.46E-04	-1.04E-03	3.76E-04
3.14E+02	2.67E-04	-1.19E-03	4.51E-04

3.14E+02	4.25E-04	-1.30E-03	5.27E-04
3.14E+02	5.21E-04	-1.43E-03	4.71E-04
3.14E+02	6.04E-04	-1.53E-03	2.61E-04
3.14E+02	6.73E-04	-1.57E-03	7.04E-05
3.14E+02	7.31E-04	-1.54E-03	-6.77E-05
3.14E+02	7.90E-04	-1.44E-03	-1.42E-04
3.14E+02	7.91E-04	-1.33E-03	-1.39E-04
3.14E+02	7.95E-04	-1.21E-03	-1.36E-04
3.14E+02	8.27E-04	-1.07E-03	-9.02E-05
3.14E+02	7.97E-04	-9.38E-04	-1.18E-05
3.14E+02	7.22E-04	-7.91E-04	2.16E-05
3.14E+02	6.22E-04	-6.00E-04	1.72E-06
3.14E+02	4.85E-04	-3.96E-04	-1.98E-04
3.14E+02	3.20E-04	-1.92E-04	-5.69E-04
3.14E+02	1.21E-04	1.58E-05	-8.73E-04
3.14E+02	-3.72E-05	2.14E-04	-9.32E-04
3.14E+02	-1.29E-04	3.86E-04	-7.16E-04
3.14E+02	-2.31E-04	4.50E-04	-3.83E-04
3.14E+02	-3.31E-04	4.16E-04	-5.80E-05
3.14E+02	-4.07E-04	3.69E-04	2.67E-04
3.14E+02	-4.55E-04	3.01E-04	5.07E-04
3.14E+02	-4.78E-04	2.35E-04	6.24E-04
3.14E+02	-5.33E-04	1.86E-04	6.77E-04
3.14E+02	-5.97E-04	1.11E-04	6.05E-04
3.14E+02	-6.19E-04	3.95E-05	4.63E-04
3.14E+02	-6.31E-04	-3.17E-05	3.63E-04
3.14E+02	-6.17E-04	-1.29E-04	3.01E-04
3.14E+02	-5.46E-04	-2.25E-04	3.97E-04
3.14E+02	-4.46E-04	-3.40E-04	5.98E-04
3.14E+02	-3.44E-04	-4.67E-04	7.16E-04
3.14E+02	-2.80E-04	-5.66E-04	7.49E-04
3.14E+02	-2.14E-04	-6.16E-04	6.53E-04
3.14E+02	-1.14E-04	-5.90E-04	4.58E-04
3.14E+02	-7.17E-05	-5.23E-04	2.08E-04
3.14E+02	-5.87E-05	-4.49E-04	-1.20E-04
3.14E+02	-8.01E-06	-3.70E-04	-3.78E-04
3.14E+02	9.31E-05	-3.09E-04	-5.14E-04
3.14E+02	2.47E-04	-2.49E-04	-5.46E-04
3.14E+02	3.48E-04	-2.13E-04	-4.61E-04
3.14E+02	4.01E-04	-2.24E-04	-4.25E-04
3.14E+02	4.78E-04	-2.23E-04	-4.56E-04
3.14E+02	4.96E-04	-2.07E-04	-4.76E-04
3.14E+02	4.68E-04	-1.96E-04	-5.31E-04
3.14E+02	4.58E-04	-1.59E-04	-4.90E-04
3.14E+02	4.77E-04	-1.22E-04	-3.27E-04
3.14E+02	5.50E-04	-1.25E-04	-1.40E-04
3.14E+02	6.12E-04	-1.96E-04	1.41E-04

3.14E+02	6.53E-04	-3.34E-04	4.63E-04
3.14E+02	6.98E-04	-4.75E-04	7.81E-04
3.14E+02	6.54E-04	-6.46E-04	1.04E-03
3.14E+02	5.23E-04	-8.52E-04	1.15E-03
3.14E+02	3.89E-04	-9.87E-04	1.14E-03
3.14E+02	2.62E-04	-1.02E-03	1.00E-03
3.14E+02	1.33E-04	-9.87E-04	6.41E-04
3.14E+02	-3.43E-06	-9.04E-04	1.89E-04
3.14E+02	-1.14E-04	-8.36E-04	-2.57E-04
3.14E+02	-1.37E-04	-7.68E-04	-5.94E-04
3.14E+02	-1.34E-04	-7.13E-04	-7.53E-04
3.14E+02	-1.55E-04	-7.24E-04	-8.09E-04
3.14E+02	-1.77E-04	-7.48E-04	-7.34E-04
3.14E+02	-2.18E-04	-7.54E-04	-5.74E-04
3.14E+02	-2.83E-04	-7.46E-04	-5.69E-04
3.14E+02	-3.85E-04	-6.75E-04	-6.69E-04
3.14E+02	-4.66E-04	-5.22E-04	-7.26E-04
3.14E+02	-4.55E-04	-3.12E-04	-7.11E-04
3.14E+02	-4.02E-04	-1.10E-04	-6.08E-04
3.14E+02	-3.18E-04	5.15E-06	-5.06E-04
3.14E+02	-1.87E-04	4.12E-05	-3.53E-04
3.14E+02	-5.47E-05	1.66E-05	-7.92E-05
3.14E+02	4.08E-05	-7.48E-05	2.28E-04
3.14E+02	5.53E-05	-1.81E-04	5.83E-04
3.14E+02	-2.10E-06	-2.56E-04	8.81E-04
3.14E+02	-4.67E-05	-2.78E-04	1.03E-03
3.14E+02	-1.15E-04	-2.70E-04	1.06E-03
3.14E+02	-2.26E-04	-2.99E-04	9.32E-04
3.14E+02	-2.92E-04	-3.46E-04	7.45E-04
3.14E+02	-3.31E-04	-4.05E-04	6.39E-04
3.14E+02	-3.39E-04	-5.29E-04	5.32E-04
3.14E+02	-3.44E-04	-7.05E-04	4.46E-04
3.14E+02	-3.99E-04	-9.09E-04	3.93E-04
3.14E+02	-4.04E-04	-1.09E-03	3.18E-04
3.14E+02	-3.88E-04	-1.20E-03	2.51E-04
3.14E+02	-4.07E-04	-1.27E-03	1.61E-04
3.14E+02	-3.71E-04	-1.23E-03	1.19E-04
3.14E+02	-2.68E-04	-1.07E-03	1.94E-04
3.14E+02	-1.04E-04	-8.94E-04	2.51E-04
3.14E+02	6.77E-05	-7.31E-04	2.88E-04
3.14E+02	1.94E-04	-6.53E-04	2.81E-04
3.14E+02	3.57E-04	-6.32E-04	2.18E-04
3.14E+02	5.13E-04	-6.09E-04	1.93E-04
3.14E+02	5.84E-04	-6.28E-04	1.22E-04
3.14E+02	6.38E-04	-6.31E-04	2.54E-05
3.14E+02	7.03E-04	-5.84E-04	-2.38E-05
3.14E+02	7.70E-04	-5.28E-04	-1.16E-04

3.14E+02	8.14E-04	-4.69E-04	-1.67E-04
3.14E+02	8.19E-04	-4.35E-04	-4.54E-05
3.14E+02	8.51E-04	-4.20E-04	2.04E-04
3.14E+02	8.87E-04	-4.26E-04	4.50E-04
3.14E+02	8.47E-04	-5.05E-04	4.99E-04
3.14E+02	7.72E-04	-5.99E-04	3.68E-04
3.14E+02	6.83E-04	-6.31E-04	2.37E-04
3.14E+02	5.75E-04	-6.07E-04	9.57E-05
3.14E+02	4.48E-04	-5.23E-04	8.20E-06
3.14E+02	2.87E-04	-3.92E-04	5.95E-05
3.14E+02	1.73E-04	-2.38E-04	1.39E-04
3.14E+02	1.04E-04	-7.34E-05	2.59E-04
3.14E+02	3.43E-06	3.01E-05	4.16E-04
3.14E+02	-8.93E-05	6.05E-05	5.80E-04
3.14E+02	-1.74E-04	7.48E-05	7.99E-04
3.14E+02	-2.61E-04	6.90E-05	8.97E-04
3.14E+02	-3.31E-04	5.74E-05	7.76E-04
3.14E+02	-4.24E-04	6.90E-05	5.31E-04
3.15E+02	-4.91E-04	1.18E-04	2.52E-04
3.15E+02	-4.98E-04	1.92E-04	6.03E-05
3.15E+02	-5.36E-04	1.96E-04	-1.21E-04
3.15E+02	-5.84E-04	1.23E-04	-3.38E-04
3.15E+02	-6.07E-04	3.59E-05	-4.81E-04
3.15E+02	-6.22E-04	-5.95E-05	-5.99E-04
3.15E+02	-6.27E-04	-1.48E-04	-6.99E-04
3.15E+02	-6.71E-04	-2.15E-04	-7.55E-04
3.15E+02	-7.08E-04	-2.52E-04	-8.28E-04
3.15E+02	-7.15E-04	-2.26E-04	-9.37E-04
3.15E+02	-7.73E-04	-1.87E-04	-1.15E-03
3.15E+02	-8.12E-04	-1.56E-04	-1.45E-03
3.15E+02	-7.69E-04	-8.89E-05	-1.59E-03
3.15E+02	-6.62E-04	-3.97E-05	-1.48E-03
3.15E+02	-5.19E-04	-5.28E-05	-1.19E-03
3.15E+02	-4.16E-04	-1.18E-04	-7.98E-04
3.15E+02	-3.18E-04	-1.96E-04	-4.36E-04
3.15E+02	-1.93E-04	-2.28E-04	-1.20E-04
3.15E+02	-1.10E-04	-2.31E-04	8.77E-05
3.15E+02	-4.12E-05	-2.16E-04	9.52E-05
3.15E+02	7.23E-05	-1.60E-04	5.66E-05
3.15E+02	2.36E-04	-8.91E-05	3.43E-05
3.15E+02	4.05E-04	-6.28E-05	3.53E-05
3.15E+02	4.95E-04	-1.23E-04	1.44E-04
3.15E+02	5.37E-04	-2.78E-04	2.71E-04
3.15E+02	5.45E-04	-4.89E-04	3.49E-04
3.15E+02	4.51E-04	-7.19E-04	3.62E-04
3.15E+02	3.03E-04	-9.23E-04	2.69E-04
3.15E+02	1.79E-04	-1.02E-03	2.08E-04

3.15E+02	1.05E-04	-9.84E-04	1.91E-04
3.15E+02	8.28E-05	-8.86E-04	1.75E-04
3.15E+02	6.05E-05	-7.80E-04	3.04E-04
3.15E+02	6.35E-05	-7.06E-04	5.42E-04
3.15E+02	1.10E-04	-6.62E-04	7.22E-04
3.15E+02	1.21E-04	-6.86E-04	6.92E-04
3.15E+02	1.03E-04	-8.01E-04	3.92E-04
3.15E+02	8.79E-05	-8.98E-04	4.12E-05
3.15E+02	6.41E-05	-8.94E-04	-2.35E-04
3.15E+02	4.01E-05	-7.76E-04	-4.13E-04
3.15E+02	-1.58E-05	-5.75E-04	-3.64E-04
3.15E+02	-8.89E-05	-3.51E-04	-1.01E-04
3.15E+02	-1.39E-04	-1.64E-04	2.80E-04
3.15E+02	-2.34E-04	-9.19E-05	6.34E-04
3.15E+02	-3.61E-04	-1.20E-04	7.67E-04
3.15E+02	-4.50E-04	-1.80E-04	7.51E-04
3.15E+02	-5.11E-04	-2.35E-04	6.71E-04
3.15E+02	-5.45E-04	-2.65E-04	4.82E-04
3.15E+02	-6.21E-04	-2.86E-04	2.44E-04
3.15E+02	-7.17E-04	-2.80E-04	1.75E-05
3.15E+02	-7.51E-04	-2.54E-04	-1.18E-04
3.15E+02	-8.06E-04	-2.81E-04	-1.35E-04
3.15E+02	-8.51E-04	-3.77E-04	-1.56E-04
3.15E+02	-8.20E-04	-4.66E-04	-1.93E-04
3.15E+02	-7.43E-04	-5.00E-04	-2.89E-04
3.15E+02	-6.04E-04	-5.08E-04	-5.21E-04
3.15E+02	-4.82E-04	-4.78E-04	-7.37E-04
3.15E+02	-3.82E-04	-4.22E-04	-8.47E-04
3.15E+02	-2.41E-04	-3.54E-04	-8.53E-04
3.15E+02	-1.50E-04	-3.12E-04	-7.61E-04
3.15E+02	-1.15E-04	-3.66E-04	-6.98E-04
3.15E+02	-9.16E-05	-4.42E-04	-6.31E-04
3.15E+02	-6.56E-05	-4.65E-04	-4.81E-04
3.15E+02	-1.14E-05	-4.55E-04	-3.27E-04
3.15E+02	-8.58E-06	-4.05E-04	-1.24E-04
3.15E+02	-4.62E-05	-3.09E-04	1.15E-04
3.15E+02	-6.41E-05	-1.80E-04	3.37E-04
3.15E+02	-1.17E-04	-8.56E-05	5.39E-04
3.15E+02	-1.73E-04	-7.00E-05	5.97E-04
3.15E+02	-1.82E-04	-9.84E-05	5.85E-04
3.15E+02	-1.68E-04	-1.28E-04	5.62E-04
3.15E+02	-1.38E-04	-1.25E-04	3.58E-04
3.15E+02	-1.27E-04	-7.11E-05	-1.60E-05
3.15E+02	-1.17E-04	3.97E-05	-5.15E-04
3.15E+02	-2.99E-05	2.24E-04	-1.00E-03
3.15E+02	7.51E-05	4.40E-04	-1.25E-03
3.15E+02	1.57E-04	6.18E-04	-1.28E-03

3.15E+02	2.51E-04	7.59E-04	-1.06E-03
3.15E+02	3.34E-04	8.38E-04	-7.12E-04
3.15E+02	4.02E-04	8.18E-04	-4.95E-04
3.15E+02	4.25E-04	7.31E-04	-4.13E-04
3.15E+02	4.10E-04	6.27E-04	-4.04E-04
3.15E+02	4.51E-04	5.81E-04	-4.63E-04
3.15E+02	5.14E-04	6.00E-04	-5.32E-04
3.15E+02	5.61E-04	6.08E-04	-6.13E-04
3.15E+02	6.00E-04	5.80E-04	-6.14E-04
3.15E+02	5.84E-04	4.91E-04	-4.60E-04
3.15E+02	5.17E-04	3.13E-04	-2.45E-04
3.15E+02	3.67E-04	8.41E-05	1.93E-05
3.15E+02	1.32E-04	-1.68E-04	2.87E-04
3.15E+02	-7.86E-05	-3.89E-04	4.74E-04
3.15E+02	-2.78E-04	-5.13E-04	6.28E-04
3.15E+02	-4.76E-04	-5.64E-04	7.06E-04
3.15E+02	-6.08E-04	-5.47E-04	6.71E-04
3.15E+02	-6.86E-04	-4.72E-04	5.40E-04
3.15E+02	-6.89E-04	-4.55E-04	2.06E-04
3.15E+02	-6.37E-04	-5.05E-04	-2.00E-04
3.15E+02	-5.62E-04	-5.56E-04	-4.13E-04
3.15E+02	-3.91E-04	-5.68E-04	-3.62E-04
3.15E+02	-1.93E-04	-5.02E-04	-1.00E-04
3.15E+02	-7.48E-05	-4.24E-04	1.28E-04
3.15E+02	6.29E-06	-3.31E-04	2.43E-04
3.15E+02	4.71E-05	-1.86E-04	3.19E-04
3.15E+02	5.11E-05	-7.61E-05	2.47E-04
3.15E+02	4.79E-05	-2.40E-05	9.44E-05
3.15E+02	2.82E-05	-3.11E-05	1.03E-05
3.15E+02	7.46E-05	-1.03E-04	3.51E-05
3.15E+02	1.62E-04	-1.95E-04	2.04E-04
3.15E+02	1.64E-04	-3.34E-04	3.22E-04
3.15E+02	1.22E-04	-4.94E-04	2.88E-04
3.15E+02	3.60E-05	-6.15E-04	1.84E-04
3.15E+02	-7.65E-05	-7.04E-04	-5.76E-05
3.15E+02	-1.66E-04	-7.11E-04	-3.66E-04
3.15E+02	-2.78E-04	-6.34E-04	-6.02E-04
3.15E+02	-3.26E-04	-5.01E-04	-7.17E-04
3.15E+02	-3.13E-04	-3.57E-04	-6.78E-04
3.15E+02	-3.36E-04	-3.23E-04	-5.67E-04
3.15E+02	-3.48E-04	-3.97E-04	-3.40E-04
3.15E+02	-3.49E-04	-4.87E-04	4.62E-05
3.15E+02	-3.34E-04	-5.77E-04	3.52E-04
3.15E+02	-3.15E-04	-6.20E-04	4.95E-04
3.15E+02	-3.19E-04	-5.64E-04	5.37E-04
3.15E+02	-2.56E-04	-3.94E-04	4.52E-04
3.15E+02	-1.46E-04	-9.99E-05	3.06E-04

3.15E+02	-6.35E-05	2.06E-04	5.68E-05
3.15E+02	1.68E-05	4.57E-04	-3.00E-04
3.15E+02	9.75E-05	6.74E-04	-4.61E-04
3.15E+02	1.80E-04	7.99E-04	-3.89E-04
3.15E+02	2.30E-04	8.25E-04	-2.05E-04
3.15E+02	1.85E-04	8.09E-04	4.79E-05
3.15E+02	1.13E-04	7.89E-04	1.77E-04
3.15E+02	5.23E-05	8.36E-04	2.29E-04
3.15E+02	-4.04E-05	9.21E-04	2.38E-04
3.15E+02	-8.41E-05	9.76E-04	9.23E-05
3.15E+02	-4.22E-05	9.99E-04	-9.31E-05
3.15E+02	5.86E-05	9.35E-04	-2.94E-04
3.15E+02	1.93E-04	7.48E-04	-4.77E-04
3.15E+02	2.65E-04	4.88E-04	-5.31E-04
3.15E+02	3.05E-04	2.19E-04	-5.14E-04
3.15E+02	3.12E-04	1.26E-05	-4.62E-04
3.15E+02	1.89E-04	-1.38E-04	-4.48E-04
3.15E+02	2.52E-05	-2.67E-04	-5.07E-04
3.15E+02	-7.97E-05	-3.23E-04	-4.84E-04
3.15E+02	-1.11E-04	-3.24E-04	-4.07E-04
3.15E+02	-5.80E-05	-3.32E-04	-3.33E-04
3.15E+02	-9.54E-07	-3.71E-04	-2.15E-04
3.15E+02	5.09E-05	-4.54E-04	-1.26E-04
3.15E+02	1.28E-04	-5.50E-04	-9.67E-05
3.15E+02	1.55E-04	-6.69E-04	-1.94E-04
3.15E+02	1.60E-04	-8.03E-04	-3.90E-04
3.15E+02	1.55E-04	-8.80E-04	-4.86E-04
3.15E+02	1.45E-04	-8.83E-04	-5.13E-04
3.15E+02	1.99E-04	-7.93E-04	-5.16E-04
3.15E+02	2.71E-04	-6.23E-04	-4.62E-04
3.15E+02	4.01E-04	-4.50E-04	-3.99E-04
3.15E+02	6.17E-04	-3.01E-04	-2.37E-04
3.15E+02	7.79E-04	-2.10E-04	5.99E-05
3.15E+02	8.80E-04	-1.76E-04	3.68E-04
3.15E+02	9.51E-04	-1.17E-04	7.17E-04
3.15E+02	9.47E-04	-2.38E-05	1.01E-03
3.15E+02	8.88E-04	9.27E-05	1.08E-03
3.15E+02	7.31E-04	2.71E-04	1.01E-03
3.15E+02	5.12E-04	5.26E-04	8.87E-04
3.15E+02	3.47E-04	8.49E-04	7.36E-04
3.15E+02	1.83E-04	1.15E-03	5.78E-04
3.15E+02	1.37E-05	1.35E-03	3.79E-04
3.15E+02	-1.16E-04	1.44E-03	2.95E-04
3.15E+02	-2.23E-04	1.46E-03	3.88E-04
3.15E+02	-3.39E-04	1.37E-03	4.33E-04
3.15E+02	-5.33E-04	1.21E-03	3.51E-04
3.15E+02	-7.34E-04	1.06E-03	1.72E-04

3.15E+02	-8.38E-04	9.57E-04	-4.75E-05
3.15E+02	-8.93E-04	9.12E-04	-2.59E-04
3.15E+02	-8.72E-04	8.72E-04	-5.16E-04
3.15E+02	-7.25E-04	8.59E-04	-7.09E-04
3.15E+02	-4.88E-04	8.24E-04	-7.49E-04
3.15E+02	-1.82E-04	6.92E-04	-6.57E-04
3.15E+02	1.17E-04	4.95E-04	-3.83E-04
3.15E+02	3.97E-04	2.53E-04	-2.54E-05
3.15E+02	6.73E-04	2.63E-05	2.84E-04
3.15E+02	8.40E-04	-1.83E-04	4.72E-04
3.15E+02	9.00E-04	-3.86E-04	4.74E-04
3.15E+02	9.28E-04	-4.89E-04	3.92E-04
3.15E+02	9.24E-04	-4.87E-04	2.99E-04
3.15E+02	8.98E-04	-4.20E-04	2.12E-04
3.15E+02	8.26E-04	-3.18E-04	2.38E-04
3.15E+02	7.35E-04	-2.38E-04	3.43E-04
3.15E+02	6.97E-04	-1.55E-04	4.47E-04
3.15E+02	6.36E-04	-6.92E-05	5.18E-04
3.15E+02	5.17E-04	-2.71E-05	4.91E-04
3.15E+02	3.85E-04	2.52E-05	4.77E-04
3.15E+02	2.42E-04	1.38E-04	5.16E-04
3.15E+02	1.36E-04	2.88E-04	4.86E-04
3.15E+02	4.48E-05	4.44E-04	4.49E-04
3.15E+02	-4.67E-05	5.47E-04	3.89E-04
3.15E+02	-7.50E-05	5.71E-04	2.32E-04
3.15E+02	-1.10E-04	5.29E-04	-5.72E-06
3.15E+02	-1.98E-04	4.30E-04	-3.63E-04
3.15E+02	-2.91E-04	3.57E-04	-6.98E-04
3.15E+02	-4.01E-04	3.84E-04	-9.12E-04
3.15E+02	-5.22E-04	4.81E-04	-1.09E-03
3.16E+02	-6.93E-04	6.25E-04	-1.18E-03
3.16E+02	-8.95E-04	7.92E-04	-1.14E-03
3.16E+02	-1.02E-03	9.51E-04	-1.02E-03
3.16E+02	-1.08E-03	1.08E-03	-8.09E-04
3.16E+02	-1.13E-03	1.14E-03	-5.86E-04
3.16E+02	-1.11E-03	1.19E-03	-3.23E-04
3.16E+02	-1.03E-03	1.25E-03	1.96E-05
3.16E+02	-8.78E-04	1.29E-03	3.00E-04
3.16E+02	-7.25E-04	1.30E-03	5.43E-04
3.16E+02	-6.03E-04	1.31E-03	8.32E-04
3.16E+02	-4.64E-04	1.38E-03	1.15E-03
3.16E+02	-3.43E-04	1.47E-03	1.37E-03
3.16E+02	-2.93E-04	1.51E-03	1.39E-03
3.16E+02	-2.46E-04	1.57E-03	1.33E-03
3.16E+02	-2.01E-04	1.62E-03	1.31E-03
3.16E+02	-1.76E-04	1.62E-03	1.26E-03
3.16E+02	-1.80E-04	1.56E-03	1.16E-03

3.16E+02	-2.33E-04	1.45E-03	9.98E-04
3.16E+02	-2.61E-04	1.31E-03	7.48E-04
3.16E+02	-2.73E-04	1.18E-03	4.75E-04
3.16E+02	-3.07E-04	1.05E-03	1.92E-04
3.16E+02	-3.02E-04	9.25E-04	-1.72E-06
3.16E+02	-2.57E-04	8.13E-04	1.16E-05
3.16E+02	-1.81E-04	6.56E-04	5.72E-05
3.16E+02	-1.02E-04	4.39E-04	9.75E-05
3.16E+02	-4.44E-05	2.24E-04	1.87E-04
3.16E+02	5.07E-05	3.01E-05	2.50E-04
3.16E+02	1.31E-04	-1.37E-04	2.93E-04
3.16E+02	1.37E-04	-3.13E-04	2.57E-04
3.16E+02	1.05E-04	-5.07E-04	1.41E-04
3.16E+02	3.87E-05	-6.69E-04	-6.68E-06
3.16E+02	-4.46E-05	-8.08E-04	-2.65E-04
3.16E+02	-1.70E-04	-9.26E-04	-5.56E-04
3.16E+02	-3.45E-04	-1.00E-03	-7.15E-04
3.16E+02	-4.75E-04	-1.02E-03	-6.89E-04
3.16E+02	-5.60E-04	-9.43E-04	-4.81E-04
3.16E+02	-6.76E-04	-8.48E-04	-2.29E-04
3.16E+02	-7.91E-04	-7.47E-04	6.29E-06
3.16E+02	-8.88E-04	-6.32E-04	2.90E-04
3.16E+02	-9.72E-04	-5.60E-04	4.91E-04
3.16E+02	-1.04E-03	-5.46E-04	5.47E-04
3.16E+02	-1.11E-03	-5.38E-04	5.30E-04
3.16E+02	-1.16E-03	-4.82E-04	4.28E-04
3.16E+02	-1.15E-03	-3.58E-04	2.95E-04
3.16E+02	-1.15E-03	-2.07E-04	1.60E-04
3.16E+02	-1.12E-03	-4.06E-05	1.14E-04
3.16E+02	-1.05E-03	1.53E-04	2.55E-04
3.16E+02	-9.92E-04	3.26E-04	4.05E-04
3.16E+02	-9.81E-04	4.58E-04	4.50E-04
3.16E+02	-1.06E-03	5.83E-04	3.86E-04
3.16E+02	-1.12E-03	7.11E-04	2.06E-04
3.16E+02	-1.13E-03	8.74E-04	-3.81E-06
3.16E+02	-1.14E-03	1.04E-03	-2.62E-04
3.16E+02	-1.11E-03	1.21E-03	-5.27E-04
3.16E+02	-9.99E-04	1.43E-03	-6.43E-04
3.16E+02	-8.33E-04	1.61E-03	-6.91E-04
3.16E+02	-6.35E-04	1.71E-03	-6.75E-04
3.16E+02	-4.98E-04	1.71E-03	-5.18E-04
3.16E+02	-3.88E-04	1.63E-03	-3.29E-04
3.16E+02	-2.94E-04	1.52E-03	-9.96E-05
3.16E+02	-2.89E-04	1.40E-03	1.82E-04
3.16E+02	-3.15E-04	1.28E-03	4.61E-04
3.16E+02	-3.47E-04	1.19E-03	8.03E-04
3.16E+02	-3.66E-04	1.10E-03	1.09E-03

3.16E+02	-3.36E-04	9.94E-04	1.18E-03
3.16E+02	-3.06E-04	8.53E-04	1.15E-03
3.16E+02	-2.33E-04	7.06E-04	1.02E-03
3.16E+02	-1.02E-04	5.79E-04	8.52E-04
3.16E+02	-3.60E-05	4.37E-04	5.98E-04
3.16E+02	-4.12E-05	2.82E-04	2.14E-04
3.16E+02	-7.40E-05	1.64E-04	-8.41E-05
3.16E+02	-1.45E-04	1.07E-04	-2.16E-04
3.16E+02	-2.42E-04	1.06E-04	-2.42E-04
3.16E+02	-3.87E-04	1.35E-04	-2.05E-04
3.16E+02	-5.04E-04	2.10E-04	-1.88E-04
3.16E+02	-5.04E-04	3.56E-04	-1.34E-04
3.16E+02	-4.67E-04	4.89E-04	-1.00E-04
3.16E+02	-4.06E-04	5.54E-04	-1.61E-04
3.16E+02	-2.93E-04	5.98E-04	-1.82E-04
3.16E+02	-1.61E-04	6.26E-04	-1.44E-04
3.16E+02	-5.99E-05	6.38E-04	-5.46E-05
3.16E+02	-5.55E-05	6.52E-04	9.69E-05
3.16E+02	-9.37E-05	6.86E-04	2.53E-04
3.16E+02	-1.39E-04	7.73E-04	4.34E-04
3.16E+02	-2.56E-04	8.74E-04	5.89E-04
3.16E+02	-4.26E-04	9.46E-04	6.46E-04
3.16E+02	-5.77E-04	1.05E-03	6.96E-04
3.16E+02	-6.85E-04	1.16E-03	6.81E-04
3.16E+02	-7.72E-04	1.19E-03	5.25E-04
3.16E+02	-8.92E-04	1.14E-03	3.82E-04
3.16E+02	-1.01E-03	1.06E-03	2.76E-04
3.16E+02	-1.09E-03	1.03E-03	2.05E-04
3.16E+02	-1.19E-03	1.04E-03	1.30E-04
3.16E+02	-1.26E-03	1.05E-03	-3.05E-05
3.16E+02	-1.25E-03	1.08E-03	-1.16E-04
3.16E+02	-1.18E-03	1.10E-03	-1.14E-04
3.16E+02	-1.03E-03	1.08E-03	-1.06E-04
3.16E+02	-8.80E-04	1.01E-03	-8.98E-05
3.16E+02	-7.32E-04	8.45E-04	-1.13E-04
3.16E+02	-5.15E-04	6.55E-04	-1.07E-04
3.16E+02	-3.15E-04	4.48E-04	-7.10E-05
3.16E+02	-1.64E-04	2.20E-04	-1.05E-04
3.16E+02	-1.96E-05	5.46E-05	-1.73E-04
3.16E+02	9.77E-05	-1.56E-05	-2.77E-04
3.16E+02	2.03E-04	-1.26E-05	-4.32E-04
3.16E+02	2.55E-04	6.16E-05	-5.24E-04
3.16E+02	2.56E-04	1.81E-04	-5.51E-04
3.16E+02	2.68E-04	3.12E-04	-5.49E-04
3.16E+02	2.04E-04	4.10E-04	-5.37E-04
3.16E+02	6.48E-05	4.14E-04	-5.49E-04
3.16E+02	-4.46E-05	3.72E-04	-4.28E-04

3.16E+02	-1.25E-04	3.47E-04	-1.65E-04
3.16E+02	-1.40E-04	3.33E-04	8.58E-05
3.16E+02	-1.25E-04	3.58E-04	3.39E-04
3.16E+02	-7.08E-05	4.16E-04	5.46E-04
3.16E+02	1.10E-04	5.05E-04	6.90E-04
3.16E+02	3.19E-04	6.09E-04	7.84E-04
3.16E+02	4.81E-04	6.37E-04	7.24E-04
3.16E+02	5.91E-04	6.03E-04	5.78E-04
3.16E+02	6.28E-04	5.54E-04	4.16E-04
3.16E+02	6.09E-04	4.97E-04	2.08E-04
3.16E+02	5.04E-04	4.71E-04	7.84E-05
3.16E+02	3.39E-04	4.71E-04	5.78E-05
3.16E+02	2.00E-04	4.97E-04	1.01E-04
3.16E+02	8.18E-05	5.42E-04	2.23E-04
3.16E+02	-3.17E-05	5.30E-04	2.78E-04
3.16E+02	-5.26E-05	4.83E-04	2.62E-04
3.16E+02	4.27E-05	4.46E-04	2.80E-04
3.16E+02	1.78E-04	3.45E-04	2.24E-04
3.16E+02	2.82E-04	2.12E-04	1.42E-04
3.16E+02	3.36E-04	1.19E-04	8.32E-05
3.16E+02	3.94E-04	8.32E-05	-2.33E-05
3.16E+02	4.04E-04	1.15E-04	-1.39E-04
3.16E+02	3.25E-04	1.47E-04	-3.22E-04
3.16E+02	2.57E-04	2.08E-04	-5.16E-04
3.16E+02	2.37E-04	3.43E-04	-6.20E-04
3.16E+02	2.61E-04	4.70E-04	-7.31E-04
3.16E+02	2.59E-04	5.74E-04	-7.95E-04
3.16E+02	1.78E-04	6.46E-04	-7.64E-04
3.16E+02	1.03E-04	7.04E-04	-6.55E-04
3.16E+02	-6.68E-06	7.75E-04	-4.75E-04
3.16E+02	-1.93E-04	8.00E-04	-4.11E-04
3.16E+02	-3.48E-04	8.28E-04	-4.58E-04
3.16E+02	-4.74E-04	9.17E-04	-5.11E-04
3.16E+02	-5.45E-04	1.04E-03	-6.13E-04
3.16E+02	-5.53E-04	1.21E-03	-7.02E-04
3.16E+02	-5.37E-04	1.36E-03	-7.64E-04
3.16E+02	-4.16E-04	1.49E-03	-7.80E-04
3.16E+02	-2.67E-04	1.57E-03	-6.60E-04
3.16E+02	-1.51E-04	1.54E-03	-5.19E-04
3.16E+02	-5.15E-06	1.42E-03	-3.86E-04
3.16E+02	1.43E-04	1.31E-03	-2.14E-04
3.16E+02	3.09E-04	1.17E-03	-1.16E-04
3.16E+02	4.59E-04	1.07E-03	-4.58E-06
3.16E+02	5.47E-04	9.94E-04	1.55E-04
3.16E+02	6.47E-04	9.60E-04	2.68E-04
3.16E+02	6.90E-04	9.40E-04	3.44E-04
3.16E+02	6.05E-04	8.09E-04	2.81E-04

3.16E+02	4.67E-04	5.65E-04	2.00E-04
3.16E+02	3.16E-04	2.84E-04	2.80E-04
3.16E+02	1.81E-04	-2.29E-05	4.02E-04
3.16E+02	3.32E-05	-2.96E-04	5.09E-04
3.16E+02	-1.58E-04	-5.02E-04	5.66E-04
3.16E+02	-2.96E-04	-6.57E-04	5.46E-04
3.16E+02	-3.61E-04	-7.29E-04	5.46E-04
3.16E+02	-4.04E-04	-7.77E-04	5.22E-04
3.16E+02	-4.10E-04	-8.60E-04	4.03E-04
3.16E+02	-3.56E-04	-9.12E-04	2.75E-04
3.16E+02	-2.46E-04	-9.39E-04	9.33E-05
3.16E+02	-1.39E-04	-9.44E-04	-1.43E-04
3.16E+02	-7.88E-05	-8.75E-04	-2.75E-04
3.16E+02	-5.72E-07	-7.32E-04	-3.01E-04
3.16E+02	6.56E-05	-5.31E-04	-2.16E-04
3.16E+02	1.81E-05	-3.75E-04	-1.26E-04
3.16E+02	-8.98E-05	-2.95E-04	-1.63E-04
3.16E+02	-2.29E-04	-2.22E-04	-2.33E-04
3.16E+02	-3.86E-04	-1.80E-04	-4.15E-04
3.16E+02	-5.28E-04	-1.69E-04	-6.96E-04
3.16E+02	-6.96E-04	-1.58E-04	-8.88E-04
3.16E+02	-7.97E-04	-1.13E-04	-9.76E-04
3.16E+02	-7.99E-04	3.81E-07	-9.36E-04
3.16E+02	-8.26E-04	1.01E-04	-8.56E-04
3.16E+02	-8.52E-04	1.63E-04	-7.96E-04
3.16E+02	-8.67E-04	2.10E-04	-6.67E-04
3.16E+02	-8.60E-04	2.14E-04	-5.59E-04
3.16E+02	-7.84E-04	2.13E-04	-4.91E-04
3.16E+02	-6.98E-04	2.23E-04	-3.67E-04
3.16E+02	-5.53E-04	2.41E-04	-2.06E-04
3.16E+02	-3.14E-04	2.98E-04	6.48E-06
3.16E+02	-6.45E-05	3.57E-04	2.37E-04
3.16E+02	2.06E-04	3.78E-04	4.13E-04
3.16E+02	4.88E-04	3.74E-04	5.88E-04
3.16E+02	7.51E-04	3.39E-04	6.95E-04
3.16E+02	9.69E-04	2.79E-04	6.95E-04
3.16E+02	1.07E-03	2.25E-04	6.87E-04
3.16E+02	1.12E-03	1.88E-04	6.20E-04
3.16E+02	1.14E-03	1.84E-04	5.18E-04
3.16E+02	1.06E-03	1.75E-04	3.93E-04
3.16E+02	9.37E-04	1.34E-04	2.30E-04
3.16E+02	8.36E-04	1.29E-04	2.38E-04
3.17E+02	7.75E-04	1.31E-04	3.76E-04
3.17E+02	7.81E-04	1.04E-04	4.94E-04
3.17E+02	7.77E-04	1.01E-04	6.09E-04
3.17E+02	7.65E-04	1.03E-04	6.24E-04
3.17E+02	7.93E-04	1.49E-04	5.57E-04

3.17E+02	7.88E-04	2.36E-04	4.51E-04
3.17E+02	7.51E-04	3.00E-04	2.77E-04
3.17E+02	7.14E-04	4.11E-04	1.73E-04
3.17E+02	6.59E-04	5.56E-04	1.52E-04
3.17E+02	5.79E-04	6.90E-04	1.30E-04
3.17E+02	4.56E-04	8.11E-04	1.77E-04
3.17E+02	3.32E-04	8.71E-04	2.51E-04
3.17E+02	2.68E-04	8.81E-04	2.72E-04
3.17E+02	2.12E-04	8.37E-04	2.13E-04
3.17E+02	1.33E-04	7.53E-04	-7.25E-06
3.17E+02	7.90E-05	7.16E-04	-2.82E-04
3.17E+02	4.16E-05	6.98E-04	-5.48E-04
3.17E+02	1.85E-05	6.44E-04	-8.26E-04
3.17E+02	-4.39E-05	5.78E-04	-9.60E-04
3.17E+02	-1.47E-04	4.99E-04	-9.22E-04
3.17E+02	-1.95E-04	4.49E-04	-7.44E-04
3.17E+02	-2.39E-04	4.21E-04	-4.83E-04
3.17E+02	-3.01E-04	3.20E-04	-3.04E-04
3.17E+02	-3.27E-04	1.77E-04	-1.65E-04
3.17E+02	-3.27E-04	4.14E-05	-5.28E-05
3.17E+02	-2.87E-04	-9.90E-05	-5.84E-05
3.17E+02	-2.48E-04	-1.83E-04	-9.77E-05
3.17E+02	-1.94E-04	-2.02E-04	-1.39E-04
3.17E+02	-6.87E-05	-1.66E-04	-1.72E-04
3.17E+02	3.70E-05	-7.84E-05	-1.36E-04
3.17E+02	7.48E-05	-6.48E-06	-9.19E-05
3.17E+02	8.22E-05	7.42E-05	-1.41E-05
3.17E+02	6.24E-05	1.88E-04	1.37E-04
3.17E+02	-6.29E-06	2.56E-04	2.19E-04
3.17E+02	-1.25E-04	2.88E-04	2.42E-04
3.17E+02	-2.36E-04	3.18E-04	2.85E-04
3.17E+02	-2.79E-04	3.48E-04	3.02E-04
3.17E+02	-2.74E-04	3.74E-04	2.95E-04
3.17E+02	-2.31E-04	3.58E-04	2.20E-04
3.17E+02	-1.02E-04	3.43E-04	1.71E-04
3.17E+02	7.65E-05	3.57E-04	2.28E-04
3.17E+02	2.70E-04	3.34E-04	2.11E-04
3.17E+02	4.00E-04	2.78E-04	1.18E-04
3.17E+02	4.18E-04	2.07E-04	1.53E-06
3.17E+02	4.25E-04	1.33E-04	-1.42E-04
3.17E+02	3.91E-04	7.59E-05	-2.14E-04
3.17E+02	3.08E-04	2.67E-06	-2.51E-04
3.17E+02	2.66E-04	-6.01E-05	-1.94E-04
3.17E+02	2.72E-04	-9.77E-05	2.12E-05
3.17E+02	3.50E-04	-1.92E-04	1.92E-04
3.17E+02	4.56E-04	-3.31E-04	2.98E-04
3.17E+02	5.39E-04	-4.76E-04	3.48E-04

3.17E+02	6.70E-04	-6.06E-04	3.18E-04
3.17E+02	7.96E-04	-6.83E-04	2.87E-04
3.17E+02	8.71E-04	-7.30E-04	1.97E-04
3.17E+02	9.59E-04	-7.38E-04	1.26E-04
3.17E+02	1.04E-03	-7.00E-04	1.64E-04
3.17E+02	1.12E-03	-6.66E-04	1.99E-04
3.17E+02	1.16E-03	-6.71E-04	2.04E-04
3.17E+02	1.12E-03	-7.08E-04	1.52E-04
3.17E+02	1.15E-03	-7.19E-04	-8.77E-06
3.17E+02	1.19E-03	-6.96E-04	-2.69E-04
3.17E+02	1.15E-03	-6.69E-04	-6.09E-04
3.17E+02	1.09E-03	-6.07E-04	-8.95E-04
3.17E+02	1.00E-03	-4.97E-04	-9.98E-04
3.17E+02	8.98E-04	-3.85E-04	-9.96E-04
3.17E+02	7.71E-04	-3.08E-04	-8.98E-04
3.17E+02	5.97E-04	-2.58E-04	-6.86E-04
3.17E+02	4.62E-04	-2.12E-04	-4.79E-04
3.17E+02	4.03E-04	-1.34E-04	-3.13E-04
3.17E+02	3.62E-04	-3.47E-05	-2.39E-04
3.17E+02	3.76E-04	7.78E-05	-2.36E-04
3.17E+02	4.50E-04	2.48E-04	-1.35E-04
3.17E+02	5.31E-04	4.02E-04	-3.43E-06
3.17E+02	5.91E-04	4.75E-04	8.35E-05
3.17E+02	5.85E-04	4.91E-04	1.76E-04
3.17E+02	5.79E-04	4.59E-04	2.59E-04
3.17E+02	6.01E-04	4.30E-04	3.76E-04
3.17E+02	5.69E-04	4.05E-04	4.68E-04
3.17E+02	5.18E-04	3.80E-04	4.99E-04
3.17E+02	4.92E-04	4.09E-04	5.65E-04
3.17E+02	4.88E-04	4.37E-04	5.52E-04
3.17E+02	4.92E-04	4.37E-04	3.89E-04
3.17E+02	4.58E-04	4.13E-04	1.59E-04
3.17E+02	4.72E-04	3.70E-04	-7.48E-05
3.17E+02	5.48E-04	3.45E-04	-2.01E-04
3.17E+02	5.83E-04	2.75E-04	-2.61E-04
3.17E+02	6.10E-04	1.59E-04	-3.46E-04
3.17E+02	6.36E-04	8.32E-05	-3.58E-04
3.17E+02	6.41E-04	3.26E-05	-3.32E-04
3.17E+02	6.28E-04	-2.21E-05	-3.09E-04
3.17E+02	5.59E-04	-7.40E-05	-2.11E-04
3.17E+02	5.20E-04	-1.24E-04	-1.10E-04
3.17E+02	5.35E-04	-1.54E-04	-4.63E-05
3.17E+02	5.26E-04	-1.78E-04	-2.19E-05
3.17E+02	5.33E-04	-2.21E-04	-5.36E-05
3.17E+02	5.70E-04	-2.41E-04	-1.74E-05
3.17E+02	6.16E-04	-2.73E-04	4.29E-05
3.17E+02	6.59E-04	-3.33E-04	4.56E-05

3.17E+02	6.47E-04	-3.58E-04	8.13E-05
3.17E+02	6.17E-04	-3.54E-04	1.24E-04
3.17E+02	6.19E-04	-2.90E-04	1.88E-04
3.17E+02	5.89E-04	-2.19E-04	2.38E-04
3.17E+02	5.02E-04	-2.31E-04	1.90E-04
3.17E+02	3.93E-04	-2.63E-04	1.61E-04
3.17E+02	2.74E-04	-3.08E-04	1.08E-04
3.17E+02	1.50E-04	-3.71E-04	-3.32E-05
3.17E+02	2.94E-05	-4.22E-04	-1.71E-04
3.17E+02	-3.76E-05	-4.69E-04	-2.69E-04
3.17E+02	-3.32E-05	-4.97E-04	-2.51E-04
3.17E+02	-3.80E-05	-5.20E-04	-1.40E-04
3.17E+02	-6.69E-05	-5.51E-04	-2.44E-05
3.17E+02	-7.15E-05	-5.59E-04	1.70E-04
3.17E+02	-5.74E-05	-5.65E-04	3.82E-04
3.17E+02	-4.08E-05	-6.17E-04	5.22E-04
3.17E+02	-5.89E-05	-6.96E-04	6.34E-04
3.17E+02	-8.03E-05	-7.64E-04	6.62E-04
3.17E+02	-5.34E-05	-7.74E-04	6.26E-04
3.17E+02	-9.29E-05	-7.64E-04	5.10E-04
3.17E+02	-1.86E-04	-7.80E-04	3.06E-04
3.17E+02	-2.44E-04	-7.46E-04	1.96E-04
3.17E+02	-2.99E-04	-6.90E-04	1.38E-04
3.17E+02	-3.42E-04	-6.75E-04	3.68E-05
3.17E+02	-4.23E-04	-6.84E-04	-7.29E-05
3.17E+02	-5.03E-04	-7.23E-04	-2.41E-04
3.17E+02	-4.97E-04	-7.53E-04	-4.16E-04
3.17E+02	-4.84E-04	-7.76E-04	-5.53E-04
3.17E+02	-4.28E-04	-8.24E-04	-6.69E-04
3.17E+02	-2.78E-04	-8.46E-04	-6.80E-04
3.17E+02	-6.52E-05	-8.68E-04	-6.43E-04
3.17E+02	2.06E-04	-9.18E-04	-6.70E-04
3.17E+02	4.59E-04	-9.66E-04	-6.65E-04
3.17E+02	6.90E-04	-9.82E-04	-5.58E-04
3.17E+02	9.31E-04	-9.51E-04	-3.82E-04
3.17E+02	1.09E-03	-9.16E-04	-2.26E-04
3.17E+02	1.16E-03	-8.97E-04	-1.58E-04
3.17E+02	1.21E-03	-8.40E-04	-1.62E-05
3.17E+02	1.23E-03	-7.60E-04	2.53E-04
3.17E+02	1.23E-03	-7.00E-04	5.05E-04
3.17E+02	1.19E-03	-6.18E-04	7.15E-04
3.17E+02	1.14E-03	-5.29E-04	8.05E-04
3.17E+02	1.15E-03	-4.42E-04	7.58E-04
3.17E+02	1.20E-03	-3.40E-04	6.27E-04
3.17E+02	1.24E-03	-2.99E-04	3.38E-04
3.17E+02	1.28E-03	-2.66E-04	3.47E-05
3.17E+02	1.32E-03	-2.01E-04	-1.53E-04

3.17E+02	1.34E-03	-1.53E-04	-2.99E-04
3.17E+02	1.29E-03	-7.86E-05	-3.17E-04
3.17E+02	1.18E-03	1.70E-05	-2.16E-04
3.17E+02	1.11E-03	1.30E-04	-9.77E-05
3.17E+02	1.01E-03	2.34E-04	4.39E-06
3.17E+02	8.77E-04	2.48E-04	0.00E+00
3.17E+02	7.82E-04	2.38E-04	1.91E-07
3.17E+02	7.03E-04	2.46E-04	7.72E-05
3.17E+02	6.28E-04	2.46E-04	1.23E-04
3.17E+02	5.02E-04	2.44E-04	1.87E-04
3.17E+02	3.16E-04	2.32E-04	2.54E-04
3.17E+02	1.87E-04	2.61E-04	2.93E-04
3.17E+02	7.13E-05	3.23E-04	2.91E-04
3.17E+02	-4.69E-05	3.76E-04	1.73E-04
3.17E+02	-8.56E-05	4.60E-04	6.60E-05
3.17E+02	-8.14E-05	5.48E-04	3.97E-05
3.17E+02	-4.48E-05	5.72E-04	1.41E-05
3.17E+02	-2.08E-05	5.14E-04	2.23E-05
3.17E+02	-4.31E-05	3.82E-04	5.65E-05
3.17E+02	-4.16E-05	2.07E-04	9.44E-05
3.17E+02	-5.28E-05	9.54E-06	1.30E-04
3.17E+02	-8.77E-05	-2.12E-04	5.57E-05
3.17E+02	-6.81E-05	-3.99E-04	-6.24E-05
3.17E+02	-1.87E-05	-5.10E-04	-1.14E-04
3.17E+02	3.53E-05	-6.07E-04	-1.70E-04
3.17E+02	4.63E-05	-7.14E-04	-2.02E-04
3.17E+02	-1.62E-05	-8.43E-04	-1.99E-04
3.17E+02	-4.50E-05	-9.83E-04	-1.99E-04
3.17E+02	-5.93E-05	-1.11E-03	-1.63E-04
3.17E+02	-1.06E-04	-1.24E-03	-1.40E-04
3.17E+02	-1.18E-04	-1.33E-03	-9.99E-05
3.17E+02	-1.06E-04	-1.36E-03	-8.39E-06
3.17E+02	-7.74E-05	-1.35E-03	-1.72E-06
3.17E+02	-5.23E-05	-1.31E-03	-8.77E-06
3.17E+02	-6.35E-05	-1.25E-03	5.95E-05
3.17E+02	-2.08E-05	-1.18E-03	1.25E-04
3.17E+02	5.42E-05	-1.10E-03	1.94E-04
3.17E+02	9.92E-05	-1.09E-03	1.98E-04
3.17E+02	1.92E-04	-1.12E-03	1.40E-04
3.17E+02	3.16E-04	-1.14E-03	9.42E-05
3.17E+02	4.36E-04	-1.18E-03	7.25E-06
3.17E+02	5.34E-04	-1.19E-03	-4.48E-05
3.17E+02	5.47E-04	-1.18E-03	-4.37E-05
3.17E+02	5.41E-04	-1.17E-03	-9.06E-05
3.17E+02	5.18E-04	-1.12E-03	-1.53E-04
3.17E+02	4.29E-04	-1.09E-03	-2.49E-04
3.17E+02	3.49E-04	-1.05E-03	-3.00E-04

3.17E+02	3.07E-04	-9.43E-04	-1.60E-04
3.17E+02	3.12E-04	-8.48E-04	3.72E-05
3.17E+02	3.49E-04	-7.63E-04	2.38E-04
3.17E+02	3.50E-04	-7.06E-04	4.52E-04
3.17E+02	4.14E-04	-6.89E-04	6.22E-04
3.17E+02	5.32E-04	-6.78E-04	7.54E-04
3.17E+02	5.79E-04	-7.42E-04	7.02E-04
3.18E+02	6.11E-04	-8.48E-04	4.77E-04
3.18E+02	6.41E-04	-9.15E-04	2.66E-04
3.18E+02	6.55E-04	-9.63E-04	7.67E-05
3.18E+02	6.38E-04	-9.86E-04	-2.80E-05
3.18E+02	5.52E-04	-9.89E-04	-4.01E-06
3.18E+02	4.82E-04	-9.61E-04	5.70E-05
3.18E+02	4.40E-04	-8.87E-04	1.47E-04
3.18E+02	3.62E-04	-8.27E-04	2.00E-04
3.18E+02	2.86E-04	-7.61E-04	1.77E-04
3.18E+02	2.44E-04	-6.48E-04	1.59E-04
3.18E+02	2.25E-04	-5.55E-04	6.26E-05
3.18E+02	2.02E-04	-4.95E-04	-1.19E-04
3.18E+02	1.44E-04	-4.45E-04	-3.12E-04
3.18E+02	1.35E-04	-4.04E-04	-5.47E-04
3.18E+02	1.77E-04	-3.52E-04	-7.69E-04
3.18E+02	2.11E-04	-3.31E-04	-9.68E-04
3.18E+02	2.89E-04	-3.43E-04	-1.10E-03
3.18E+02	3.98E-04	-3.34E-04	-1.03E-03
3.18E+02	5.27E-04	-3.05E-04	-8.40E-04
3.18E+02	6.28E-04	-2.83E-04	-6.49E-04
3.18E+02	6.30E-04	-2.94E-04	-4.22E-04
3.18E+02	6.29E-04	-3.19E-04	-1.63E-04
3.18E+02	6.33E-04	-3.36E-04	7.86E-05
3.18E+02	5.85E-04	-3.62E-04	2.32E-04
3.18E+02	5.30E-04	-3.83E-04	2.53E-04
3.18E+02	4.86E-04	-3.78E-04	2.51E-04
3.18E+02	4.47E-04	-3.89E-04	1.84E-04
3.18E+02	4.02E-04	-4.37E-04	1.62E-05
3.18E+02	3.16E-04	-5.00E-04	-1.14E-04
3.18E+02	2.28E-04	-5.68E-04	-2.23E-04
3.18E+02	1.65E-04	-6.09E-04	-2.93E-04
3.18E+02	6.77E-05	-6.61E-04	-3.21E-04
3.18E+02	-1.96E-05	-7.49E-04	-3.53E-04
3.18E+02	-3.89E-05	-8.06E-04	-3.05E-04
3.18E+02	-2.78E-05	-8.48E-04	-2.58E-04
3.18E+02	2.00E-05	-8.98E-04	-3.01E-04
3.18E+02	5.53E-05	-9.13E-04	-3.44E-04
3.18E+02	9.54E-05	-9.02E-04	-4.17E-04
3.18E+02	1.79E-04	-8.44E-04	-5.44E-04
3.18E+02	2.04E-04	-7.69E-04	-6.93E-04

3.18E+02	1.99E-04	-7.05E-04	-8.28E-04
3.18E+02	2.21E-04	-5.89E-04	-7.84E-04
3.18E+02	2.50E-04	-4.74E-04	-6.18E-04
3.18E+02	3.06E-04	-3.92E-04	-4.51E-04
3.18E+02	3.38E-04	-3.29E-04	-1.99E-04
3.18E+02	3.54E-04	-3.09E-04	5.55E-05
3.18E+02	4.05E-04	-2.94E-04	2.51E-04
3.18E+02	4.03E-04	-3.01E-04	3.49E-04
3.18E+02	3.35E-04	-3.39E-04	3.07E-04
3.18E+02	2.54E-04	-3.56E-04	2.96E-04
3.18E+02	1.32E-04	-3.61E-04	3.18E-04
3.18E+02	-3.13E-05	-3.79E-04	3.18E-04
3.18E+02	-2.18E-04	-4.01E-04	3.03E-04
3.18E+02	-4.08E-04	-4.12E-04	2.18E-04
3.18E+02	-5.45E-04	-4.02E-04	1.71E-04
3.18E+02	-6.49E-04	-3.75E-04	1.42E-04
3.18E+02	-7.55E-04	-3.55E-04	-3.01E-05
3.18E+02	-8.17E-04	-3.12E-04	-1.88E-04
3.18E+02	-8.40E-04	-2.51E-04	-2.56E-04
3.18E+02	-8.51E-04	-2.73E-04	-4.19E-04
3.18E+02	-8.86E-04	-3.85E-04	-6.08E-04
3.18E+02	-9.18E-04	-4.96E-04	-7.14E-04
3.18E+02	-8.81E-04	-5.66E-04	-7.64E-04
3.18E+02	-8.21E-04	-6.11E-04	-7.44E-04
3.18E+02	-7.38E-04	-6.33E-04	-6.97E-04
3.18E+02	-6.06E-04	-5.93E-04	-5.63E-04
3.18E+02	-4.47E-04	-5.09E-04	-3.50E-04
3.18E+02	-2.78E-04	-4.41E-04	-1.95E-04
3.18E+02	-1.80E-04	-4.10E-04	-6.52E-05
3.18E+02	-1.34E-04	-4.14E-04	5.15E-05
3.18E+02	-7.65E-05	-4.23E-04	2.04E-04
3.18E+02	-6.68E-05	-4.33E-04	4.16E-04
3.18E+02	-9.92E-05	-4.69E-04	5.37E-04
3.18E+02	-1.28E-04	-4.71E-04	6.15E-04
3.18E+02	-1.39E-04	-4.23E-04	6.98E-04
3.18E+02	-1.24E-04	-3.75E-04	7.23E-04
3.18E+02	-1.44E-04	-3.36E-04	7.87E-04
3.18E+02	-1.83E-04	-3.08E-04	8.63E-04
3.18E+02	-1.87E-04	-2.86E-04	8.72E-04
3.18E+02	-2.19E-04	-2.65E-04	8.13E-04
3.18E+02	-2.65E-04	-2.73E-04	6.08E-04
3.18E+02	-2.44E-04	-2.57E-04	3.84E-04
3.18E+02	-1.71E-04	-1.92E-04	2.80E-04
3.18E+02	-5.97E-05	-1.33E-04	2.27E-04
3.18E+02	2.92E-05	-9.12E-05	1.96E-04
3.18E+02	6.66E-05	-7.65E-05	1.35E-04
3.18E+02	1.38E-04	-4.54E-05	3.66E-05

3.18E+02	1.81E-04	8.20E-06	-5.95E-05
3.18E+02	1.59E-04	2.82E-05	-2.09E-04
3.18E+02	1.32E-04	6.45E-05	-3.23E-04
3.18E+02	9.90E-05	1.32E-04	-3.47E-04
3.18E+02	1.05E-04	2.07E-04	-4.12E-04
3.18E+02	8.74E-05	2.71E-04	-4.87E-04
3.18E+02	3.91E-05	2.95E-04	-5.01E-04
3.18E+02	5.34E-05	3.14E-04	-4.18E-04
3.18E+02	5.04E-05	2.93E-04	-2.57E-04
3.18E+02	2.88E-05	1.95E-04	-1.12E-04
3.18E+02	2.84E-05	5.99E-05	7.02E-05
3.18E+02	2.14E-05	-9.50E-05	2.84E-04
3.18E+02	1.49E-05	-2.54E-04	3.84E-04
3.18E+02	-5.87E-05	-4.03E-04	3.86E-04
3.18E+02	-1.78E-04	-5.26E-04	3.11E-04
3.18E+02	-2.37E-04	-5.68E-04	1.89E-04
3.18E+02	-2.75E-04	-5.35E-04	1.26E-04
3.18E+02	-3.15E-04	-4.95E-04	5.05E-05
3.18E+02	-3.17E-04	-4.66E-04	-4.12E-05
3.18E+02	-3.05E-04	-4.63E-04	-8.26E-05
3.18E+02	-2.79E-04	-5.18E-04	-1.69E-04
3.18E+02	-2.57E-04	-6.27E-04	-2.66E-04
3.18E+02	-2.81E-04	-7.67E-04	-3.28E-04
3.18E+02	-2.91E-04	-8.76E-04	-4.08E-04
3.18E+02	-2.97E-04	-9.29E-04	-4.94E-04
3.18E+02	-3.36E-04	-9.75E-04	-6.48E-04
3.18E+02	-3.43E-04	-1.01E-03	-7.90E-04
3.18E+02	-3.10E-04	-1.01E-03	-7.77E-04
3.18E+02	-2.51E-04	-1.00E-03	-7.17E-04
3.18E+02	-2.18E-04	-1.01E-03	-6.85E-04
3.18E+02	-2.54E-04	-1.02E-03	-6.62E-04
3.18E+02	-2.74E-04	-1.01E-03	-6.51E-04
3.18E+02	-2.80E-04	-9.48E-04	-5.95E-04
3.18E+02	-3.20E-04	-8.51E-04	-4.87E-04
3.18E+02	-3.60E-04	-7.23E-04	-3.11E-04
3.18E+02	-3.76E-04	-5.45E-04	3.60E-05
3.18E+02	-3.45E-04	-3.73E-04	3.90E-04
3.18E+02	-3.04E-04	-2.50E-04	6.26E-04
3.18E+02	-2.81E-04	-1.35E-04	8.36E-04
3.18E+02	-2.31E-04	4.77E-06	9.63E-04
3.18E+02	-1.86E-04	1.87E-04	9.83E-04
3.18E+02	-2.24E-04	3.58E-04	8.36E-04
3.18E+02	-3.01E-04	4.98E-04	5.65E-04
3.18E+02	-3.72E-04	6.47E-04	4.33E-04
3.18E+02	-4.68E-04	7.55E-04	4.26E-04
3.18E+02	-5.84E-04	8.07E-04	4.62E-04
3.18E+02	-7.38E-04	8.31E-04	5.17E-04

3.18E+02	-8.48E-04	8.23E-04	4.83E-04
3.18E+02	-8.49E-04	8.03E-04	4.09E-04
3.18E+02	-8.38E-04	7.57E-04	3.22E-04
3.18E+02	-7.66E-04	6.73E-04	2.06E-04
3.18E+02	-6.24E-04	5.63E-04	1.33E-04
3.18E+02	-4.46E-04	4.04E-04	6.07E-05
3.18E+02	-2.13E-04	1.99E-04	-3.97E-05
3.18E+02	-1.03E-05	-5.51E-05	-1.37E-04
3.18E+02	2.06E-04	-3.30E-04	-2.35E-04
3.18E+02	4.52E-04	-5.62E-04	-2.32E-04
3.18E+02	6.19E-04	-7.82E-04	-1.61E-04
3.18E+02	7.37E-04	-9.93E-04	-1.18E-04
3.18E+02	8.18E-04	-1.14E-03	-2.48E-05
3.18E+02	8.38E-04	-1.24E-03	7.36E-05
3.18E+02	7.74E-04	-1.31E-03	1.39E-04
3.18E+02	6.01E-04	-1.34E-03	2.20E-04
3.18E+02	4.04E-04	-1.34E-03	2.84E-04
3.18E+02	2.22E-04	-1.26E-03	3.05E-04
3.18E+02	9.54E-06	-1.14E-03	1.91E-04
3.18E+02	-2.04E-04	-1.05E-03	-6.73E-05
3.18E+02	-3.87E-04	-9.47E-04	-2.87E-04
3.18E+02	-5.31E-04	-8.39E-04	-4.42E-04
3.18E+02	-6.44E-04	-7.51E-04	-5.91E-04
3.18E+02	-7.73E-04	-6.49E-04	-6.30E-04
3.18E+02	-8.48E-04	-5.20E-04	-5.18E-04
3.18E+02	-8.64E-04	-4.23E-04	-3.84E-04
3.18E+02	-9.24E-04	-3.84E-04	-2.93E-04
3.18E+02	-9.67E-04	-3.93E-04	-2.43E-04
3.18E+02	-9.73E-04	-4.17E-04	-2.68E-04
3.18E+02	-9.71E-04	-3.85E-04	-3.14E-04
3.18E+02	-9.33E-04	-2.75E-04	-2.32E-04
3.18E+02	-9.13E-04	-1.55E-04	-7.46E-05
3.18E+02	-8.88E-04	-9.37E-05	-3.81E-05
3.18E+02	-8.28E-04	-5.34E-05	-1.72E-05
3.18E+02	-8.17E-04	-3.01E-05	3.76E-05
3.18E+02	-8.26E-04	-7.67E-05	2.86E-05
3.18E+02	-7.94E-04	-1.28E-04	1.48E-04
3.18E+02	-7.30E-04	-1.67E-04	3.51E-04
3.18E+02	-6.50E-04	-2.34E-04	4.28E-04
3.18E+02	-5.99E-04	-2.89E-04	5.19E-04
3.18E+02	-5.42E-04	-3.22E-04	6.43E-04
3.18E+02	-4.43E-04	-3.36E-04	7.27E-04
3.18E+02	-3.69E-04	-3.48E-04	7.89E-04
3.18E+02	-3.51E-04	-4.14E-04	7.41E-04
3.18E+02	-3.41E-04	-4.69E-04	6.69E-04
3.18E+02	-2.97E-04	-4.71E-04	6.40E-04
3.18E+02	-2.43E-04	-4.59E-04	5.40E-04

3.18E+02	-2.32E-04	-4.37E-04	4.14E-04
3.18E+02	-2.47E-04	-4.09E-04	3.07E-04
3.18E+02	-2.40E-04	-3.59E-04	2.21E-04
3.18E+02	-2.74E-04	-3.01E-04	1.29E-04
3.18E+02	-3.51E-04	-2.42E-04	-7.86E-05
3.18E+02	-4.15E-04	-1.25E-04	-3.03E-04
3.18E+02	-4.79E-04	2.52E-05	-4.75E-04
3.18E+02	-5.38E-04	1.36E-04	-6.43E-04
3.18E+02	-6.37E-04	1.97E-04	-6.64E-04
3.18E+02	-7.45E-04	2.24E-04	-5.48E-04
3.18E+02	-7.87E-04	2.40E-04	-4.21E-04
3.18E+02	-8.30E-04	2.33E-04	-3.19E-04
3.18E+02	-8.61E-04	1.71E-04	-3.56E-04
3.18E+02	-8.25E-04	1.01E-04	-4.60E-04
3.18E+02	-7.40E-04	5.23E-05	-5.44E-04
3.18E+02	-6.22E-04	-7.82E-06	-6.55E-04
3.18E+02	-5.35E-04	-8.24E-05	-6.83E-04
3.18E+02	-4.73E-04	-1.75E-04	-5.84E-04
3.18E+02	-3.83E-04	-2.78E-04	-4.02E-04
3.19E+02	-3.40E-04	-3.89E-04	-1.79E-04
3.19E+02	-3.65E-04	-5.37E-04	-2.16E-05
3.19E+02	-3.97E-04	-6.64E-04	1.16E-04
3.19E+02	-4.18E-04	-7.29E-04	2.51E-04
3.19E+02	-4.16E-04	-7.39E-04	2.95E-04
3.19E+02	-4.01E-04	-6.82E-04	3.34E-04
3.19E+02	-3.72E-04	-5.83E-04	4.18E-04
3.19E+02	-2.82E-04	-4.57E-04	5.11E-04
3.19E+02	-1.84E-04	-3.68E-04	5.52E-04
3.19E+02	-1.17E-04	-3.57E-04	4.50E-04
3.19E+02	-2.80E-05	-3.53E-04	3.21E-04
3.19E+02	7.72E-05	-3.18E-04	2.70E-04
3.19E+02	1.67E-04	-2.67E-04	2.00E-04
3.19E+02	1.80E-04	-1.85E-04	1.30E-04
3.19E+02	9.61E-05	-6.83E-05	6.50E-05
3.19E+02	-1.30E-05	5.28E-05	-4.62E-05
3.19E+02	-1.79E-04	1.82E-04	-1.11E-04
3.19E+02	-4.02E-04	2.78E-04	-1.95E-04
3.19E+02	-5.92E-04	3.64E-04	-2.94E-04
3.19E+02	-7.33E-04	5.22E-04	-2.86E-04
3.19E+02	-8.03E-04	6.62E-04	-2.68E-04
3.19E+02	-8.60E-04	7.27E-04	-2.74E-04
3.19E+02	-9.41E-04	7.48E-04	-2.70E-04
3.19E+02	-9.66E-04	7.77E-04	-1.84E-04
3.19E+02	-9.72E-04	8.44E-04	-1.16E-05
3.19E+02	-1.00E-03	8.59E-04	6.33E-05
3.19E+02	-9.90E-04	8.41E-04	1.19E-04
3.19E+02	-9.25E-04	8.36E-04	2.52E-04

3.19E+02	-8.46E-04	7.63E-04	3.43E-04
3.19E+02	-7.71E-04	6.60E-04	4.96E-04
3.19E+02	-7.13E-04	5.73E-04	7.36E-04
3.19E+02	-6.18E-04	5.00E-04	9.25E-04
3.19E+02	-4.95E-04	4.72E-04	1.08E-03
3.19E+02	-4.04E-04	4.07E-04	1.10E-03
3.19E+02	-2.85E-04	3.02E-04	9.73E-04
3.19E+02	-1.28E-04	2.17E-04	8.50E-04
3.19E+02	4.33E-05	1.22E-04	6.61E-04
3.19E+02	1.91E-04	2.94E-05	4.70E-04
3.19E+02	2.78E-04	-4.27E-05	4.16E-04
3.19E+02	3.80E-04	-9.31E-05	4.40E-04
3.19E+02	4.58E-04	-1.31E-04	4.88E-04
3.19E+02	4.43E-04	-1.96E-04	4.43E-04
3.19E+02	4.06E-04	-2.51E-04	3.25E-04
3.19E+02	3.63E-04	-2.53E-04	2.63E-04
3.19E+02	3.07E-04	-2.23E-04	1.75E-04
3.19E+02	2.30E-04	-1.49E-04	8.34E-05
3.19E+02	9.37E-05	-6.10E-05	1.32E-05
3.19E+02	-3.32E-05	2.50E-05	-7.29E-05
3.19E+02	-1.39E-04	1.23E-04	-1.08E-04
3.19E+02	-2.92E-04	1.87E-04	-1.45E-04
3.19E+02	-4.50E-04	2.41E-04	-1.57E-04
3.19E+02	-5.85E-04	3.31E-04	-7.57E-05
3.19E+02	-6.94E-04	4.27E-04	-3.89E-05
3.19E+02	-7.89E-04	5.33E-04	-7.08E-05
3.19E+02	-8.91E-04	6.56E-04	-9.08E-05
3.19E+02	-9.42E-04	7.87E-04	-8.87E-05
3.19E+02	-9.50E-04	9.16E-04	-2.96E-05
3.19E+02	-9.83E-04	9.73E-04	1.60E-05
3.19E+02	-1.01E-03	9.51E-04	8.77E-06
3.19E+02	-1.03E-03	9.27E-04	7.59E-05
3.19E+02	-1.04E-03	8.90E-04	1.70E-04
3.19E+02	-1.07E-03	8.48E-04	2.40E-04
3.19E+02	-1.14E-03	8.34E-04	3.33E-04
3.19E+02	-1.21E-03	8.41E-04	3.91E-04
3.19E+02	-1.21E-03	8.88E-04	4.71E-04
3.19E+02	-1.22E-03	9.33E-04	5.96E-04
3.19E+02	-1.20E-03	9.41E-04	7.24E-04
3.19E+02	-1.14E-03	9.47E-04	8.76E-04
3.19E+02	-1.06E-03	9.21E-04	9.41E-04
3.19E+02	-9.89E-04	8.44E-04	8.40E-04
3.19E+02	-9.39E-04	7.30E-04	6.60E-04
3.19E+02	-8.64E-04	6.62E-04	5.64E-04
3.19E+02	-7.28E-04	6.64E-04	5.70E-04
3.19E+02	-6.48E-04	6.11E-04	5.52E-04
3.19E+02	-6.26E-04	5.02E-04	5.47E-04

3.19E+02	-5.75E-04	3.81E-04	5.05E-04
3.19E+02	-5.06E-04	2.73E-04	3.35E-04
3.19E+02	-4.16E-04	2.84E-04	2.45E-04
3.19E+02	-3.48E-04	3.56E-04	2.57E-04
3.19E+02	-2.76E-04	3.76E-04	7.69E-05
3.19E+02	-1.33E-04	4.40E-04	-2.14E-04
3.19E+02	-4.48E-05	5.72E-04	-4.02E-04
3.19E+02	-4.16E-05	6.48E-04	-6.18E-04
3.19E+02	-5.76E-05	6.81E-04	-8.35E-04
3.19E+02	-9.23E-05	7.18E-04	-9.71E-04
3.19E+02	-1.53E-04	7.40E-04	-1.15E-03
3.19E+02	-2.81E-04	7.41E-04	-1.28E-03
3.19E+02	-4.06E-04	7.45E-04	-1.26E-03
3.19E+02	-4.53E-04	8.02E-04	-1.08E-03
3.19E+02	-4.92E-04	8.67E-04	-8.57E-04
3.19E+02	-5.29E-04	8.55E-04	-6.97E-04
3.19E+02	-5.21E-04	8.28E-04	-4.99E-04
3.19E+02	-4.73E-04	8.13E-04	-2.81E-04
3.19E+02	-3.92E-04	7.58E-04	-1.78E-04
3.19E+02	-3.15E-04	7.04E-04	-1.60E-05
3.19E+02	-2.19E-04	6.75E-04	2.53E-04
3.19E+02	-5.86E-05	6.73E-04	5.78E-04
3.19E+02	7.32E-05	6.91E-04	9.30E-04
3.19E+02	1.48E-04	7.01E-04	1.19E-03
3.19E+02	1.97E-04	7.41E-04	1.43E-03
3.19E+02	2.04E-04	8.02E-04	1.63E-03
3.19E+02	2.00E-04	8.45E-04	1.69E-03
3.19E+02	1.34E-04	8.70E-04	1.68E-03
3.19E+02	1.51E-05	8.62E-04	1.61E-03
3.19E+02	-7.51E-05	8.43E-04	1.48E-03
3.19E+02	-2.20E-04	8.04E-04	1.34E-03
3.19E+02	-3.91E-04	7.07E-04	1.12E-03
3.19E+02	-4.95E-04	6.27E-04	9.61E-04
3.19E+02	-5.58E-04	5.72E-04	8.31E-04
3.19E+02	-5.46E-04	5.21E-04	6.35E-04
3.19E+02	-5.09E-04	5.16E-04	4.82E-04
3.19E+02	-4.49E-04	5.37E-04	3.61E-04
3.19E+02	-3.01E-04	5.98E-04	3.00E-04
3.19E+02	-2.12E-04	6.64E-04	2.82E-04
3.19E+02	-1.99E-04	6.60E-04	1.69E-04
3.19E+02	-1.67E-04	6.66E-04	7.59E-05
3.19E+02	-1.37E-04	6.86E-04	1.43E-05
3.19E+02	-8.11E-05	6.85E-04	-1.22E-04
3.19E+02	-1.41E-05	6.89E-04	-2.95E-04
3.19E+02	6.39E-05	6.98E-04	-4.72E-04
3.19E+02	1.94E-04	7.43E-04	-5.59E-04
3.19E+02	3.15E-04	7.87E-04	-5.79E-04

3.19E+02	3.94E-04	8.06E-04	-5.81E-04
3.19E+02	4.72E-04	8.38E-04	-4.94E-04
3.19E+02	5.45E-04	8.36E-04	-3.72E-04
3.19E+02	5.65E-04	7.83E-04	-1.96E-04
3.19E+02	5.19E-04	6.93E-04	-2.50E-05
3.19E+02	4.55E-04	5.62E-04	-4.27E-05
3.19E+02	4.11E-04	4.86E-04	-1.63E-04
3.19E+02	3.68E-04	4.95E-04	-2.29E-04
3.19E+02	2.98E-04	4.62E-04	-3.14E-04
3.19E+02	2.54E-04	3.97E-04	-4.29E-04
3.19E+02	2.44E-04	3.95E-04	-4.14E-04
3.19E+02	2.18E-04	3.78E-04	-3.96E-04
3.19E+02	1.66E-04	3.30E-04	-4.66E-04
3.19E+02	4.77E-05	3.24E-04	-4.67E-04
3.19E+02	-6.66E-05	3.62E-04	-4.21E-04
3.19E+02	-1.44E-04	4.47E-04	-3.64E-04
3.19E+02	-2.96E-04	5.04E-04	-2.69E-04
3.19E+02	-4.44E-04	5.42E-04	-8.07E-05
3.19E+02	-5.40E-04	6.17E-04	1.60E-04
3.19E+02	-6.33E-04	6.64E-04	3.09E-04
3.19E+02	-7.34E-04	7.11E-04	4.23E-04
3.19E+02	-8.46E-04	7.62E-04	4.97E-04
3.19E+02	-9.04E-04	7.84E-04	5.00E-04
3.19E+02	-9.41E-04	8.22E-04	5.78E-04
3.19E+02	-1.01E-03	8.44E-04	7.00E-04
3.19E+02	-1.05E-03	8.52E-04	8.29E-04
3.19E+02	-1.08E-03	8.68E-04	9.79E-04
3.19E+02	-1.09E-03	8.51E-04	1.02E-03
3.19E+02	-1.11E-03	8.10E-04	9.26E-04
3.19E+02	-1.16E-03	7.58E-04	7.21E-04
3.19E+02	-1.13E-03	7.50E-04	4.41E-04
3.19E+02	-1.06E-03	7.87E-04	1.71E-04
3.19E+02	-1.00E-03	8.14E-04	-1.14E-04
3.19E+02	-8.82E-04	8.72E-04	-3.28E-04
3.19E+02	-7.32E-04	9.52E-04	-3.68E-04
3.19E+02	-5.79E-04	1.02E-03	-3.57E-04
3.19E+02	-4.48E-04	1.09E-03	-3.59E-04
3.19E+02	-3.52E-04	1.15E-03	-4.09E-04
3.19E+02	-2.07E-04	1.20E-03	-5.57E-04
3.19E+02	-4.20E-05	1.26E-03	-7.04E-04
3.19E+02	8.93E-05	1.30E-03	-8.00E-04
3.19E+02	2.19E-04	1.30E-03	-7.88E-04
3.19E+02	3.49E-04	1.31E-03	-6.20E-04
3.19E+02	4.64E-04	1.27E-03	-4.53E-04
3.19E+02	5.31E-04	1.20E-03	-2.99E-04
3.19E+02	5.25E-04	1.13E-03	-1.07E-04
3.19E+02	5.21E-04	1.04E-03	4.69E-05

3.19E+02	5.23E-04	9.81E-04	1.53E-04
3.19E+02	4.78E-04	9.07E-04	1.26E-04
3.19E+02	4.30E-04	8.19E-04	-7.82E-06
3.19E+02	3.79E-04	7.50E-04	-8.56E-05
3.19E+02	3.21E-04	6.36E-04	-1.65E-04
3.19E+02	2.58E-04	4.77E-04	-2.43E-04
3.19E+02	1.73E-04	2.95E-04	-2.47E-04
3.19E+02	1.51E-04	1.21E-04	-2.09E-04
3.19E+02	1.95E-04	-5.15E-06	-1.26E-04
3.19E+02	2.41E-04	-1.03E-04	-1.06E-04
3.19E+02	3.16E-04	-1.37E-04	-1.90E-04
3.19E+02	4.09E-04	-8.64E-05	-2.25E-04
3.19E+02	4.82E-04	-3.28E-05	-2.56E-04
3.19E+02	5.20E-04	1.87E-05	-2.83E-04
3.19E+02	4.99E-04	1.01E-04	-2.23E-04
3.19E+02	5.01E-04	2.05E-04	-1.26E-04
3.19E+02	5.29E-04	3.01E-04	3.70E-05
3.19E+02	4.94E-04	3.14E-04	1.61E-04
3.19E+02	4.58E-04	2.66E-04	1.08E-04
3.19E+02	4.26E-04	2.57E-04	2.86E-06
3.19E+02	3.93E-04	3.20E-04	-6.71E-05
3.19E+02	3.56E-04	3.98E-04	-1.28E-04
3.19E+02	2.42E-04	4.22E-04	-2.24E-04
3.19E+02	1.54E-04	4.26E-04	-3.93E-04
3.19E+02	1.34E-04	4.57E-04	-5.67E-04
3.19E+02	7.88E-05	4.68E-04	-7.29E-04
3.19E+02	1.26E-05	4.44E-04	-9.21E-04
3.19E+02	-3.11E-05	4.28E-04	-1.06E-03
3.19E+02	-5.78E-05	3.94E-04	-1.16E-03
3.19E+02	-7.57E-05	3.31E-04	-1.23E-03
3.19E+02	-1.31E-04	2.74E-04	-1.18E-03
3.20E+02	-1.64E-04	2.50E-04	-1.09E-03
3.20E+02	-1.39E-04	2.79E-04	-9.99E-04
3.20E+02	-1.39E-04	3.31E-04	-9.13E-04
3.20E+02	-1.25E-04	3.80E-04	-8.75E-04
3.20E+02	-5.44E-05	4.39E-04	-8.06E-04
3.20E+02	6.24E-05	5.00E-04	-7.12E-04
3.20E+02	1.89E-04	5.20E-04	-6.39E-04
3.20E+02	2.32E-04	4.90E-04	-5.28E-04
3.20E+02	2.28E-04	4.45E-04	-3.93E-04
3.20E+02	2.05E-04	4.10E-04	-2.36E-04
3.20E+02	1.06E-04	3.79E-04	-5.26E-05
3.20E+02	-3.60E-05	3.44E-04	1.14E-04
3.20E+02	-1.76E-04	3.30E-04	2.98E-04
3.20E+02	-2.76E-04	3.31E-04	4.21E-04
3.20E+02	-3.17E-04	3.28E-04	4.23E-04
3.20E+02	-3.52E-04	3.43E-04	4.25E-04

3.20E+02	-3.57E-04	3.65E-04	4.24E-04
3.20E+02	-2.86E-04	4.14E-04	4.09E-04
3.20E+02	-2.08E-04	4.66E-04	3.68E-04
3.20E+02	-1.34E-04	4.48E-04	2.49E-04
3.20E+02	-2.40E-05	3.81E-04	1.72E-04
3.20E+02	9.88E-05	2.87E-04	1.49E-04
3.20E+02	2.12E-04	1.60E-04	6.03E-05
3.20E+02	2.76E-04	3.09E-05	-9.35E-05
3.20E+02	3.37E-04	-7.34E-05	-2.97E-04
3.20E+02	4.45E-04	-1.16E-04	-4.64E-04
3.20E+02	5.35E-04	-1.12E-04	-5.63E-04
3.20E+02	6.15E-04	-1.11E-04	-6.29E-04
3.20E+02	6.79E-04	-9.99E-05	-5.69E-04
3.20E+02	6.97E-04	-1.25E-04	-4.72E-04
3.20E+02	6.82E-04	-2.24E-04	-4.62E-04
3.20E+02	6.03E-04	-3.32E-04	-4.47E-04
3.20E+02	5.13E-04	-4.10E-04	-3.74E-04
3.20E+02	4.36E-04	-4.70E-04	-2.87E-04
3.20E+02	3.18E-04	-5.52E-04	-2.42E-04
3.20E+02	2.12E-04	-6.39E-04	-2.49E-04
3.20E+02	1.46E-04	-6.96E-04	-2.77E-04
3.20E+02	1.05E-04	-7.54E-04	-2.95E-04
3.20E+02	1.03E-04	-8.13E-04	-2.49E-04
3.20E+02	9.02E-05	-8.70E-04	-1.66E-04
3.20E+02	9.65E-05	-9.17E-04	-1.32E-04
3.20E+02	1.77E-04	-8.48E-04	-9.08E-05
3.20E+02	2.70E-04	-6.65E-04	9.16E-06
3.20E+02	3.24E-04	-4.87E-04	4.02E-05
3.20E+02	3.40E-04	-2.99E-04	-7.82E-06
3.20E+02	3.55E-04	-1.09E-04	-1.18E-04
3.20E+02	3.99E-04	5.07E-05	-3.15E-04
3.20E+02	3.96E-04	2.11E-04	-4.85E-04
3.20E+02	3.47E-04	3.83E-04	-5.45E-04
3.20E+02	3.27E-04	5.52E-04	-4.92E-04
3.20E+02	2.57E-04	6.93E-04	-3.82E-04
3.20E+02	1.12E-04	7.94E-04	-3.41E-04
3.20E+02	-2.88E-05	8.52E-04	-3.65E-04
3.20E+02	-1.35E-04	8.99E-04	-3.28E-04
3.20E+02	-1.81E-04	9.58E-04	-2.59E-04
3.20E+02	-2.18E-04	9.98E-04	-2.08E-04
3.20E+02	-2.18E-04	1.00E-03	-1.53E-04
3.20E+02	-1.10E-04	9.71E-04	-8.09E-05
3.20E+02	-3.43E-06	8.83E-04	1.41E-05
3.20E+02	5.44E-05	7.16E-04	5.84E-05
3.20E+02	1.08E-04	5.32E-04	8.64E-05
3.20E+02	1.24E-04	3.65E-04	7.97E-05
3.20E+02	1.14E-04	1.95E-04	-7.34E-05

3.20E+02	7.74E-05	8.18E-05	-2.21E-04
3.20E+02	8.20E-06	4.31E-05	-2.94E-04
3.20E+02	-1.62E-05	5.53E-05	-3.07E-04
3.20E+02	-2.19E-05	1.13E-04	-2.02E-04
3.20E+02	-4.63E-05	1.37E-04	-1.23E-04
3.20E+02	-3.87E-05	9.59E-05	-9.19E-05
3.20E+02	9.92E-06	5.13E-05	2.65E-05
3.20E+02	8.96E-05	8.96E-06	1.83E-04
3.20E+02	1.72E-04	-3.49E-05	3.45E-04
3.20E+02	2.60E-04	-6.14E-05	4.93E-04
3.20E+02	4.07E-04	-6.05E-05	6.06E-04
3.20E+02	5.59E-04	-4.14E-05	7.26E-04
3.20E+02	6.63E-04	-6.03E-05	7.92E-04
3.20E+02	7.84E-04	-1.01E-04	8.37E-04
3.20E+02	9.04E-04	-1.41E-04	9.20E-04
3.20E+02	9.91E-04	-2.05E-04	9.43E-04
3.20E+02	1.03E-03	-2.59E-04	8.88E-04
3.20E+02	9.78E-04	-2.79E-04	7.64E-04
3.20E+02	9.06E-04	-2.32E-04	5.97E-04
3.20E+02	8.18E-04	-9.92E-05	4.71E-04
3.20E+02	6.66E-04	2.48E-05	3.27E-04
3.20E+02	5.07E-04	1.10E-04	1.71E-04
3.20E+02	3.73E-04	2.01E-04	9.04E-05
3.20E+02	2.73E-04	2.72E-04	-1.26E-05
3.20E+02	1.75E-04	3.28E-04	-1.30E-04
3.20E+02	4.77E-05	3.77E-04	-1.75E-04
3.20E+02	-3.53E-05	3.96E-04	-2.22E-04
3.20E+02	-7.10E-05	4.26E-04	-2.56E-04
3.20E+02	-9.27E-05	4.59E-04	-2.89E-04
3.20E+02	-6.87E-05	4.65E-04	-3.27E-04
3.20E+02	6.87E-06	4.29E-04	-2.54E-04
3.20E+02	1.33E-04	3.20E-04	-1.61E-04
3.20E+02	2.59E-04	1.58E-04	-1.60E-04
3.20E+02	3.41E-04	-7.63E-06	-2.51E-04
3.20E+02	4.44E-04	-1.18E-04	-3.66E-04
3.20E+02	5.49E-04	-1.67E-04	-3.64E-04
3.20E+02	5.64E-04	-2.33E-04	-3.84E-04
3.20E+02	5.19E-04	-2.92E-04	-5.10E-04
3.20E+02	4.50E-04	-3.12E-04	-5.45E-04
3.20E+02	3.65E-04	-3.31E-04	-5.24E-04
3.20E+02	2.73E-04	-3.07E-04	-4.76E-04
3.20E+02	1.56E-04	-2.21E-04	-3.38E-04
3.20E+02	9.25E-05	-1.36E-04	-1.90E-04
3.20E+02	9.23E-05	-7.61E-05	-4.46E-05
3.20E+02	7.42E-05	-6.20E-05	4.08E-05
3.20E+02	9.61E-05	-7.31E-05	4.69E-05
3.20E+02	1.82E-04	-3.30E-05	1.23E-04

3.20E+02	3.05E-04	5.23E-05	2.05E-04
3.20E+02	4.20E-04	1.29E-04	2.48E-04
3.20E+02	4.75E-04	2.08E-04	3.61E-04
3.20E+02	5.29E-04	3.03E-04	5.04E-04
3.20E+02	5.77E-04	3.97E-04	6.89E-04
3.20E+02	5.52E-04	4.50E-04	9.03E-04
3.20E+02	4.91E-04	4.40E-04	1.08E-03
3.20E+02	3.98E-04	4.16E-04	1.26E-03
3.20E+02	2.73E-04	3.87E-04	1.34E-03
3.20E+02	1.41E-04	3.73E-04	1.29E-03
3.20E+02	-3.51E-05	3.88E-04	1.21E-03
3.20E+02	-1.96E-04	3.90E-04	1.08E-03
3.20E+02	-2.87E-04	3.95E-04	8.94E-04
3.20E+02	-3.72E-04	3.63E-04	6.15E-04
3.20E+02	-4.21E-04	2.76E-04	2.02E-04
3.20E+02	-4.01E-04	2.05E-04	-1.51E-04
3.20E+02	-3.19E-04	1.42E-04	-3.90E-04
3.20E+02	-1.97E-04	6.08E-05	-5.79E-04
3.20E+02	-1.10E-04	-1.77E-05	-6.81E-04
3.20E+02	-1.45E-05	-3.53E-05	-7.02E-04
3.20E+02	8.95E-05	7.63E-06	-6.92E-04
3.20E+02	1.32E-04	5.21E-05	-7.37E-04
3.20E+02	1.75E-04	9.80E-05	-8.64E-04
3.20E+02	2.47E-04	1.40E-04	-9.62E-04
3.20E+02	3.42E-04	1.73E-04	-1.01E-03
3.20E+02	4.47E-04	1.99E-04	-1.01E-03
3.20E+02	5.24E-04	2.21E-04	-8.89E-04
3.20E+02	6.02E-04	2.28E-04	-6.61E-04
3.20E+02	6.84E-04	2.15E-04	-3.24E-04
3.20E+02	7.09E-04	1.64E-04	3.13E-05
3.20E+02	6.82E-04	3.11E-05	2.24E-04
3.20E+02	6.44E-04	-1.04E-04	3.60E-04
3.20E+02	5.97E-04	-2.00E-04	4.81E-04
3.20E+02	5.58E-04	-3.29E-04	4.97E-04
3.20E+02	4.99E-04	-4.65E-04	5.11E-04
3.20E+02	4.49E-04	-5.83E-04	6.01E-04
3.20E+02	4.43E-04	-6.90E-04	7.34E-04
3.20E+02	4.24E-04	-8.24E-04	8.03E-04
3.20E+02	4.24E-04	-1.00E-03	8.01E-04
3.20E+02	4.50E-04	-1.15E-03	8.54E-04
3.20E+02	5.01E-04	-1.23E-03	8.20E-04
3.20E+02	6.05E-04	-1.27E-03	5.72E-04
3.20E+02	6.81E-04	-1.23E-03	3.42E-04
3.20E+02	7.50E-04	-1.14E-03	1.11E-04
3.20E+02	8.61E-04	-1.04E-03	-2.30E-04
3.20E+02	9.31E-04	-9.19E-04	-4.77E-04
3.20E+02	9.56E-04	-8.19E-04	-6.17E-04

3.20E+02	9.84E-04	-7.40E-04	-6.17E-04
3.20E+02	9.90E-04	-6.53E-04	-3.91E-04
3.20E+02	9.86E-04	-5.83E-04	-1.12E-04
3.20E+02	9.33E-04	-5.28E-04	1.68E-04
3.20E+02	8.23E-04	-4.71E-04	3.91E-04
3.20E+02	7.37E-04	-3.73E-04	4.89E-04
3.20E+02	6.32E-04	-2.22E-04	5.22E-04
3.20E+02	5.10E-04	-7.40E-05	4.63E-04
3.20E+02	4.55E-04	8.53E-05	4.19E-04
3.20E+02	4.40E-04	2.44E-04	4.76E-04
3.20E+02	4.43E-04	3.40E-04	5.44E-04
3.20E+02	4.33E-04	3.69E-04	6.21E-04
3.20E+02	3.99E-04	3.26E-04	6.54E-04
3.20E+02	3.89E-04	2.66E-04	6.45E-04
3.20E+02	3.44E-04	2.28E-04	5.77E-04
3.20E+02	2.52E-04	1.89E-04	3.40E-04
3.20E+02	1.78E-04	2.18E-04	1.09E-04
3.20E+02	1.22E-04	3.04E-04	-4.48E-05
3.20E+02	9.16E-05	3.67E-04	-2.53E-04
3.20E+02	4.75E-05	4.13E-04	-4.62E-04
3.20E+02	-1.93E-05	4.23E-04	-6.34E-04
3.20E+02	-2.67E-05	4.11E-04	-7.45E-04
3.20E+02	-5.72E-06	3.90E-04	-7.79E-04
3.20E+02	8.58E-06	3.07E-04	-8.32E-04
3.20E+02	6.22E-05	2.08E-04	-8.79E-04
3.20E+02	1.45E-04	1.44E-04	-8.68E-04
3.20E+02	2.30E-04	9.98E-05	-8.65E-04
3.20E+02	3.01E-04	8.03E-05	-8.16E-04
3.20E+02	3.76E-04	6.71E-05	-6.33E-04
3.20E+02	5.10E-04	6.68E-05	-3.37E-04
3.20E+02	6.50E-04	7.25E-05	-8.77E-06
3.20E+02	7.33E-04	2.21E-05	2.01E-04
3.20E+02	7.77E-04	-4.62E-05	3.02E-04
3.20E+02	7.76E-04	-7.08E-05	3.60E-04
3.20E+02	7.60E-04	-7.61E-05	2.59E-04
3.20E+02	7.00E-04	-6.39E-05	1.24E-05
3.20E+02	5.99E-04	-3.24E-06	-2.73E-04
3.20E+02	5.76E-04	1.35E-04	-4.84E-04
3.20E+02	5.98E-04	3.17E-04	-4.83E-04
3.20E+02	6.26E-04	4.42E-04	-3.52E-04
3.20E+02	6.98E-04	5.12E-04	-1.59E-04
3.20E+02	7.60E-04	5.65E-04	9.69E-05
3.20E+02	8.02E-04	5.84E-04	2.66E-04
3.21E+02	8.05E-04	5.83E-04	3.22E-04
3.21E+02	7.59E-04	5.72E-04	3.38E-04
3.21E+02	7.52E-04	5.66E-04	2.85E-04
3.21E+02	7.72E-04	5.62E-04	2.24E-04

3.21E+02	7.72E-04	5.09E-04	1.78E-04
3.21E+02	8.01E-04	3.97E-04	1.15E-04
3.21E+02	8.58E-04	2.51E-04	9.33E-05
3.21E+02	9.20E-04	6.50E-05	-2.04E-05
3.21E+02	9.49E-04	-1.22E-04	-2.46E-04
3.21E+02	8.92E-04	-2.67E-04	-4.15E-04
3.21E+02	7.93E-04	-3.62E-04	-5.16E-04
3.21E+02	6.65E-04	-4.03E-04	-6.05E-04
3.21E+02	4.93E-04	-4.27E-04	-7.75E-04
3.21E+02	3.57E-04	-4.19E-04	-8.76E-04
3.21E+02	2.78E-04	-3.73E-04	-7.41E-04
3.21E+02	2.65E-04	-3.56E-04	-5.62E-04
3.21E+02	3.11E-04	-3.87E-04	-4.30E-04
3.21E+02	3.48E-04	-4.50E-04	-3.28E-04
3.21E+02	4.15E-04	-4.98E-04	-2.80E-04
3.21E+02	5.07E-04	-4.67E-04	-1.99E-04
3.21E+02	5.29E-04	-4.02E-04	-8.98E-05
3.21E+02	5.02E-04	-3.35E-04	3.70E-05
3.21E+02	4.66E-04	-2.52E-04	2.73E-04
3.21E+02	4.24E-04	-2.38E-04	4.74E-04
3.21E+02	3.86E-04	-2.75E-04	5.83E-04
3.21E+02	3.34E-04	-3.09E-04	6.74E-04
3.21E+02	3.07E-04	-3.53E-04	6.40E-04
3.21E+02	2.98E-04	-3.58E-04	4.99E-04
3.21E+02	2.32E-04	-3.61E-04	2.69E-04
3.21E+02	1.48E-04	-3.82E-04	-8.20E-06
3.21E+02	7.90E-05	-3.58E-04	-1.60E-04
3.21E+02	3.11E-05	-3.21E-04	-2.32E-04
3.21E+02	5.15E-06	-3.17E-04	-2.87E-04
3.21E+02	-2.88E-05	-3.33E-04	-2.73E-04
3.21E+02	-5.72E-06	-3.55E-04	-2.28E-04
3.21E+02	9.42E-05	-3.53E-04	-1.64E-04
3.21E+02	1.73E-04	-3.40E-04	-9.29E-05
3.21E+02	2.53E-04	-3.10E-04	1.14E-05
3.21E+02	3.57E-04	-2.31E-04	2.53E-04
3.21E+02	4.58E-04	-1.70E-04	5.29E-04
3.21E+02	5.61E-04	-1.58E-04	7.59E-04
3.21E+02	5.79E-04	-2.08E-04	9.45E-04
3.21E+02	5.65E-04	-3.19E-04	1.00E-03
3.21E+02	5.89E-04	-4.05E-04	9.70E-04
3.21E+02	5.57E-04	-4.90E-04	7.93E-04
3.21E+02	5.05E-04	-5.67E-04	4.62E-04
3.21E+02	4.82E-04	-5.70E-04	1.43E-04
3.21E+02	4.46E-04	-5.59E-04	-1.98E-04
3.21E+02	3.84E-04	-5.76E-04	-5.95E-04
3.21E+02	2.85E-04	-5.87E-04	-9.49E-04
3.21E+02	2.13E-04	-5.90E-04	-1.23E-03

3.21E+02	2.09E-04	-5.64E-04	-1.39E-03
3.21E+02	2.21E-04	-5.14E-04	-1.42E-03
3.21E+02	2.68E-04	-4.74E-04	-1.39E-03
3.21E+02	3.65E-04	-4.08E-04	-1.27E-03
3.21E+02	4.99E-04	-3.28E-04	-1.09E-03
3.21E+02	6.41E-04	-2.82E-04	-9.52E-04
3.21E+02	7.43E-04	-2.50E-04	-8.66E-04
3.21E+02	8.30E-04	-1.89E-04	-7.29E-04
3.21E+02	8.73E-04	-6.50E-05	-5.48E-04
3.21E+02	8.27E-04	7.00E-05	-4.90E-04
3.21E+02	7.39E-04	1.66E-04	-4.58E-04
3.21E+02	5.83E-04	2.48E-04	-3.45E-04
3.21E+02	3.88E-04	3.07E-04	-3.06E-04
3.21E+02	2.51E-04	3.60E-04	-2.84E-04
3.21E+02	7.72E-05	4.16E-04	-1.52E-04
3.21E+02	-1.18E-04	4.12E-04	-3.74E-05
3.21E+02	-1.92E-04	3.49E-04	-2.67E-06
3.21E+02	-2.20E-04	2.34E-04	-9.21E-05
3.21E+02	-2.08E-04	4.33E-05	-3.31E-04
3.21E+02	-9.96E-05	-1.29E-04	-4.49E-04
3.21E+02	6.64E-05	-2.79E-04	-4.24E-04
3.21E+02	3.13E-04	-4.76E-04	-4.62E-04
3.21E+02	5.26E-04	-6.50E-04	-4.37E-04
3.21E+02	6.61E-04	-8.10E-04	-3.74E-04
3.21E+02	8.29E-04	-9.47E-04	-3.88E-04
3.21E+02	9.34E-04	-1.04E-03	-3.32E-04
3.21E+02	9.41E-04	-1.15E-03	-2.53E-04
3.21E+02	9.06E-04	-1.26E-03	-1.99E-04
3.21E+02	8.05E-04	-1.30E-03	-1.15E-04
3.21E+02	6.71E-04	-1.32E-03	-1.15E-04
3.21E+02	4.76E-04	-1.32E-03	-1.69E-04
3.21E+02	2.50E-04	-1.27E-03	-1.48E-04
3.21E+02	8.98E-05	-1.13E-03	-7.38E-05
3.21E+02	-3.41E-05	-9.53E-04	1.14E-06
3.21E+02	-1.27E-04	-7.82E-04	4.01E-05
3.21E+02	-1.75E-04	-6.05E-04	6.92E-05
3.21E+02	-1.74E-04	-4.26E-04	1.23E-04
3.21E+02	-1.01E-04	-2.68E-04	1.66E-04
3.21E+02	-4.35E-05	-1.30E-04	2.32E-04
3.21E+02	-1.32E-05	-1.53E-05	3.37E-04
3.21E+02	6.92E-05	1.16E-04	4.64E-04
3.21E+02	1.37E-04	2.72E-04	6.03E-04
3.21E+02	1.59E-04	3.86E-04	6.52E-04
3.21E+02	1.86E-04	4.72E-04	6.59E-04
3.21E+02	1.91E-04	5.50E-04	7.03E-04
3.21E+02	1.89E-04	5.92E-04	7.25E-04
3.21E+02	1.61E-04	6.09E-04	7.16E-04

3.21E+02	8.93E-05	5.90E-04	6.35E-04
3.21E+02	5.23E-05	5.41E-04	4.71E-04
3.21E+02	-1.72E-06	4.59E-04	2.61E-04
3.21E+02	-1.01E-04	2.96E-04	-1.35E-05
3.21E+02	-1.61E-04	1.02E-04	-2.41E-04
3.21E+02	-1.55E-04	-5.72E-05	-3.27E-04
3.21E+02	-8.13E-05	-2.24E-04	-3.82E-04
3.21E+02	7.44E-06	-3.99E-04	-3.87E-04
3.21E+02	8.83E-05	-5.65E-04	-3.17E-04
3.21E+02	2.31E-04	-7.17E-04	-2.63E-04
3.21E+02	3.88E-04	-8.21E-04	-2.08E-04
3.21E+02	5.05E-04	-9.23E-04	-2.32E-04
3.21E+02	6.35E-04	-1.00E-03	-3.40E-04
3.21E+02	7.62E-04	-1.01E-03	-4.15E-04
3.21E+02	8.94E-04	-1.01E-03	-4.84E-04
3.21E+02	1.02E-03	-1.02E-03	-4.96E-04
3.21E+02	1.09E-03	-1.05E-03	-4.50E-04
3.21E+02	1.18E-03	-1.09E-03	-4.16E-04
3.21E+02	1.23E-03	-1.14E-03	-4.38E-04
3.21E+02	1.17E-03	-1.23E-03	-6.16E-04
3.21E+02	1.08E-03	-1.31E-03	-7.91E-04
3.21E+02	9.60E-04	-1.31E-03	-8.21E-04
3.21E+02	8.03E-04	-1.28E-03	-8.26E-04
3.21E+02	5.56E-04	-1.25E-03	-8.65E-04
3.21E+02	2.41E-04	-1.22E-03	-9.37E-04
3.21E+02	-4.46E-05	-1.16E-03	-9.52E-04
3.21E+02	-3.04E-04	-1.05E-03	-8.74E-04
3.21E+02	-5.33E-04	-9.34E-04	-8.32E-04
3.21E+02	-6.77E-04	-8.39E-04	-7.42E-04
3.21E+02	-7.82E-04	-7.38E-04	-5.50E-04
3.21E+02	-8.40E-04	-6.63E-04	-4.27E-04
3.21E+02	-8.47E-04	-5.73E-04	-2.97E-04
3.21E+02	-8.92E-04	-4.26E-04	-1.54E-05
3.21E+02	-8.95E-04	-2.70E-04	3.04E-04
3.21E+02	-8.61E-04	-1.26E-04	5.58E-04
3.21E+02	-8.63E-04	-1.22E-05	6.79E-04
3.21E+02	-8.58E-04	7.06E-05	6.95E-04
3.21E+02	-8.44E-04	1.42E-04	7.25E-04
3.21E+02	-7.81E-04	1.81E-04	7.55E-04
3.21E+02	-7.30E-04	1.70E-04	7.96E-04
3.21E+02	-7.60E-04	1.06E-04	8.54E-04
3.21E+02	-7.50E-04	9.92E-06	8.18E-04
3.21E+02	-6.89E-04	-7.15E-05	7.19E-04
3.21E+02	-6.24E-04	-1.72E-04	5.77E-04
3.21E+02	-5.02E-04	-2.95E-04	4.26E-04
3.21E+02	-3.18E-04	-3.63E-04	4.13E-04
3.21E+02	-7.93E-05	-3.77E-04	4.67E-04

3.21E+02	1.64E-04	-3.79E-04	4.88E-04
3.21E+02	3.39E-04	-3.87E-04	4.71E-04
3.21E+02	4.82E-04	-4.32E-04	3.70E-04
3.21E+02	5.95E-04	-4.90E-04	2.13E-04
3.21E+02	6.30E-04	-5.25E-04	-3.01E-05
3.21E+02	6.15E-04	-5.33E-04	-3.82E-04
3.21E+02	5.93E-04	-4.36E-04	-6.12E-04
3.21E+02	5.85E-04	-2.76E-04	-6.75E-04
3.21E+02	5.60E-04	-1.63E-04	-6.98E-04
3.21E+02	4.82E-04	-8.75E-05	-6.45E-04
3.21E+02	4.17E-04	-4.22E-05	-5.43E-04
3.21E+02	3.94E-04	-1.14E-06	-4.15E-04
3.21E+02	3.39E-04	-1.34E-06	-3.45E-04
3.21E+02	2.98E-04	-7.42E-05	-4.08E-04
3.21E+02	2.82E-04	-1.38E-04	-4.54E-04
3.21E+02	2.45E-04	-2.02E-04	-4.80E-04
3.21E+02	1.80E-04	-2.81E-04	-5.13E-04
3.21E+02	2.84E-05	-3.64E-04	-5.05E-04
3.21E+02	-1.37E-04	-4.67E-04	-4.85E-04
3.21E+02	-2.51E-04	-5.56E-04	-3.59E-04
3.21E+02	-4.01E-04	-6.77E-04	-1.48E-04
3.21E+02	-5.52E-04	-8.37E-04	5.26E-05
3.21E+02	-6.77E-04	-9.39E-04	3.33E-04
3.21E+02	-7.90E-04	-9.94E-04	6.27E-04
3.21E+02	-8.90E-04	-1.03E-03	8.32E-04
3.21E+02	-1.04E-03	-1.05E-03	1.01E-03
3.21E+02	-1.20E-03	-1.05E-03	1.12E-03
3.21E+02	-1.30E-03	-1.01E-03	1.16E-03
3.21E+02	-1.38E-03	-9.59E-04	1.14E-03
3.21E+02	-1.46E-03	-9.37E-04	1.02E-03
3.21E+02	-1.48E-03	-8.69E-04	9.40E-04
3.21E+02	-1.42E-03	-7.26E-04	8.50E-04
3.21E+02	-1.34E-03	-5.65E-04	6.27E-04
3.21E+02	-1.27E-03	-3.79E-04	3.92E-04
3.21E+02	-1.17E-03	-1.70E-04	2.14E-04
3.21E+02	-1.01E-03	7.86E-05	1.39E-04
3.21E+02	-8.68E-04	3.06E-04	1.61E-04
3.21E+02	-7.75E-04	4.24E-04	1.00E-04
3.21E+02	-6.25E-04	5.12E-04	2.57E-05
3.21E+02	-4.72E-04	5.96E-04	5.61E-05
3.21E+02	-3.48E-04	6.33E-04	7.25E-06
3.21E+02	-2.46E-04	6.20E-04	-1.01E-04
3.21E+02	-1.95E-04	5.72E-04	-2.02E-04
3.21E+02	-1.61E-04	5.24E-04	-3.65E-04
3.21E+02	-1.91E-04	4.40E-04	-4.54E-04
3.21E+02	-2.60E-04	3.02E-04	-3.99E-04
3.21E+02	-2.95E-04	1.62E-04	-1.90E-04

3.21E+02	-3.04E-04	-1.07E-05	1.29E-04
3.21E+02	-2.76E-04	-2.28E-04	3.19E-04
3.21E+02	-2.87E-04	-4.18E-04	3.83E-04
3.21E+02	-3.18E-04	-5.83E-04	4.13E-04
3.21E+02	-2.50E-04	-7.25E-04	3.31E-04
3.21E+02	-1.81E-04	-8.39E-04	2.06E-04
3.21E+02	-1.93E-04	-9.61E-04	8.70E-05
3.21E+02	-2.06E-04	-1.05E-03	3.81E-07
3.22E+02	-2.00E-04	-1.07E-03	4.96E-05
3.22E+02	-2.05E-04	-1.07E-03	1.55E-04
3.22E+02	-2.53E-04	-1.06E-03	2.38E-04
3.22E+02	-3.23E-04	-1.05E-03	2.82E-04
3.22E+02	-3.54E-04	-9.86E-04	2.70E-04
3.22E+02	-3.73E-04	-8.98E-04	1.92E-04
3.22E+02	-3.94E-04	-8.51E-04	2.96E-05
3.22E+02	-3.73E-04	-8.28E-04	-4.81E-05
3.22E+02	-3.40E-04	-8.22E-04	7.31E-05
3.22E+02	-3.31E-04	-8.67E-04	2.48E-04
3.22E+02	-3.81E-04	-9.48E-04	4.21E-04
3.22E+02	-4.55E-04	-1.03E-03	5.76E-04
3.22E+02	-4.56E-04	-1.07E-03	6.34E-04
3.22E+02	-4.30E-04	-1.05E-03	5.82E-04
3.22E+02	-4.14E-04	-1.03E-03	4.12E-04
3.22E+02	-3.47E-04	-9.61E-04	2.32E-04
3.22E+02	-2.52E-04	-8.46E-04	1.48E-04
3.22E+02	-1.34E-04	-7.64E-04	5.91E-05
3.22E+02	-3.62E-05	-7.52E-04	-1.53E-06
3.22E+02	-1.79E-05	-7.70E-04	1.45E-05
3.22E+02	-1.68E-05	-7.93E-04	2.57E-05
3.22E+02	-5.38E-05	-7.78E-04	3.24E-06
3.22E+02	-1.49E-04	-7.29E-04	-9.31E-05
3.22E+02	-2.37E-04	-6.43E-04	-1.66E-04
3.22E+02	-3.22E-04	-4.86E-04	-1.49E-04
3.22E+02	-3.83E-04	-3.19E-04	-1.65E-04
3.22E+02	-4.39E-04	-1.58E-04	-1.88E-04
3.22E+02	-5.34E-04	-3.72E-05	-2.16E-04
3.22E+02	-5.84E-04	-5.72E-06	-3.02E-04
3.22E+02	-6.37E-04	-2.46E-05	-3.89E-04
3.22E+02	-7.55E-04	-1.14E-04	-5.59E-04
3.22E+02	-8.53E-04	-2.38E-04	-7.79E-04
3.22E+02	-9.35E-04	-3.19E-04	-8.84E-04
3.22E+02	-9.92E-04	-3.87E-04	-9.21E-04
3.22E+02	-1.04E-03	-4.48E-04	-8.84E-04
3.22E+02	-1.12E-03	-5.00E-04	-7.52E-04
3.22E+02	-1.15E-03	-5.59E-04	-5.79E-04
3.22E+02	-1.11E-03	-6.07E-04	-3.71E-04
3.22E+02	-1.08E-03	-6.93E-04	-2.22E-04

3.22E+02	-9.95E-04	-8.15E-04	-1.25E-04
3.22E+02	-8.29E-04	-8.85E-04	4.12E-05
3.22E+02	-6.00E-04	-9.13E-04	2.32E-04
3.22E+02	-3.72E-04	-9.15E-04	4.36E-04
3.22E+02	-2.04E-04	-8.90E-04	6.57E-04
3.22E+02	-4.04E-05	-8.53E-04	8.26E-04
3.22E+02	1.09E-04	-7.47E-04	1.03E-03
3.22E+02	1.26E-04	-6.18E-04	1.24E-03
3.22E+02	5.72E-05	-5.53E-04	1.31E-03
3.22E+02	-2.06E-05	-4.52E-04	1.30E-03
3.22E+02	-1.41E-04	-2.96E-04	1.27E-03
3.22E+02	-3.24E-04	-1.34E-04	1.22E-03
3.22E+02	-5.42E-04	3.99E-05	1.19E-03
3.22E+02	-7.09E-04	2.13E-04	1.17E-03
3.22E+02	-8.05E-04	3.68E-04	1.10E-03
3.22E+02	-8.80E-04	4.35E-04	9.00E-04
3.22E+02	-9.16E-04	4.18E-04	6.24E-04
3.22E+02	-9.00E-04	3.91E-04	4.17E-04
3.22E+02	-8.16E-04	3.31E-04	2.25E-04
3.22E+02	-6.96E-04	2.48E-04	3.05E-06
3.22E+02	-6.04E-04	1.84E-04	-1.63E-04
3.22E+02	-4.80E-04	1.41E-04	-3.20E-04
3.22E+02	-3.37E-04	1.24E-04	-4.86E-04
3.22E+02	-2.78E-04	7.27E-05	-6.40E-04
3.22E+02	-2.60E-04	-3.30E-05	-7.78E-04
3.22E+02	-2.30E-04	-1.05E-04	-7.67E-04
3.22E+02	-2.00E-04	-1.68E-04	-6.85E-04
3.22E+02	-1.70E-04	-2.50E-04	-6.30E-04
3.22E+02	-1.91E-04	-2.97E-04	-4.60E-04
3.22E+02	-2.15E-04	-2.98E-04	-1.82E-04
3.22E+02	-2.10E-04	-2.55E-04	1.37E-04
3.22E+02	-2.63E-04	-2.24E-04	4.16E-04
3.22E+02	-3.44E-04	-2.41E-04	5.86E-04
3.22E+02	-4.35E-04	-2.34E-04	7.26E-04
3.22E+02	-5.39E-04	-1.91E-04	8.06E-04
3.22E+02	-6.57E-04	-1.63E-04	7.85E-04
3.22E+02	-8.38E-04	-1.43E-04	7.40E-04
3.22E+02	-9.83E-04	-1.15E-04	7.08E-04
3.22E+02	-1.06E-03	-6.75E-05	7.27E-04
3.22E+02	-1.14E-03	-4.02E-05	7.42E-04
3.22E+02	-1.18E-03	-6.03E-05	6.69E-04
3.22E+02	-1.19E-03	-7.31E-05	5.47E-04
3.22E+02	-1.13E-03	-1.11E-04	3.15E-04
3.22E+02	-1.01E-03	-1.89E-04	-3.62E-05
3.22E+02	-8.90E-04	-2.74E-04	-3.44E-04
3.22E+02	-7.21E-04	-3.51E-04	-5.35E-04
3.22E+02	-4.82E-04	-3.88E-04	-5.60E-04

3.22E+02	-2.80E-04	-4.49E-04	-4.64E-04
3.22E+02	-1.02E-04	-5.63E-04	-3.32E-04
3.22E+02	9.25E-05	-6.68E-04	-9.78E-05
3.22E+02	2.51E-04	-7.88E-04	1.79E-04
3.22E+02	3.53E-04	-9.17E-04	3.93E-04
3.22E+02	3.71E-04	-1.02E-03	5.90E-04
3.22E+02	3.25E-04	-1.08E-03	7.75E-04
3.22E+02	2.51E-04	-1.06E-03	9.52E-04
3.22E+02	8.98E-05	-9.98E-04	1.12E-03
3.22E+02	-1.36E-04	-9.32E-04	1.19E-03
3.22E+02	-3.80E-04	-8.51E-04	1.21E-03
3.22E+02	-6.29E-04	-7.63E-04	1.17E-03
3.22E+02	-8.38E-04	-6.86E-04	9.95E-04
3.22E+02	-1.03E-03	-5.87E-04	7.56E-04
3.22E+02	-1.17E-03	-4.39E-04	4.78E-04
3.22E+02	-1.19E-03	-2.48E-04	1.94E-04
3.22E+02	-1.18E-03	-3.95E-05	-3.57E-05
3.22E+02	-1.12E-03	1.43E-04	-2.49E-04
3.22E+02	-9.87E-04	3.17E-04	-3.44E-04
3.22E+02	-8.54E-04	4.67E-04	-3.10E-04
3.22E+02	-7.34E-04	5.46E-04	-3.73E-04
3.22E+02	-6.29E-04	6.12E-04	-5.06E-04
3.22E+02	-5.31E-04	6.95E-04	-5.90E-04
3.22E+02	-4.34E-04	7.80E-04	-7.48E-04
3.22E+02	-3.58E-04	8.90E-04	-9.64E-04
3.22E+02	-2.70E-04	1.03E-03	-1.10E-03
3.22E+02	-2.06E-04	1.20E-03	-1.10E-03
3.22E+02	-1.87E-04	1.35E-03	-9.46E-04
3.22E+02	-1.69E-04	1.43E-03	-8.03E-04
3.22E+02	-1.66E-04	1.42E-03	-7.17E-04
3.22E+02	-1.89E-04	1.36E-03	-5.83E-04
3.22E+02	-2.51E-04	1.27E-03	-4.32E-04
3.22E+02	-3.49E-04	1.17E-03	-3.18E-04
3.22E+02	-4.57E-04	1.05E-03	-2.70E-04
3.22E+02	-5.65E-04	9.16E-04	-1.79E-04
3.22E+02	-6.52E-04	8.18E-04	6.87E-06
3.22E+02	-6.74E-04	7.34E-04	1.79E-04
3.22E+02	-6.74E-04	6.49E-04	3.76E-04
3.22E+02	-6.79E-04	5.50E-04	5.25E-04
3.22E+02	-5.88E-04	4.51E-04	5.42E-04
3.22E+02	-4.59E-04	3.65E-04	5.46E-04
3.22E+02	-3.63E-04	2.22E-04	4.79E-04
3.22E+02	-2.29E-04	5.28E-05	3.71E-04
3.22E+02	-9.90E-05	-1.02E-04	3.13E-04
3.22E+02	2.92E-05	-2.93E-04	2.16E-04
3.22E+02	1.39E-04	-4.88E-04	1.14E-04
3.22E+02	1.82E-04	-6.84E-04	-2.10E-06

3.22E+02	2.30E-04	-8.68E-04	-1.62E-04
3.22E+02	2.14E-04	-1.01E-03	-3.40E-04
3.22E+02	1.10E-04	-1.13E-03	-5.74E-04
3.22E+02	-3.62E-06	-1.21E-03	-7.61E-04
3.22E+02	-1.17E-04	-1.19E-03	-7.79E-04
3.22E+02	-2.03E-04	-1.10E-03	-6.90E-04
3.22E+02	-2.83E-04	-9.69E-04	-5.38E-04
3.22E+02	-3.57E-04	-8.21E-04	-3.60E-04
3.22E+02	-3.58E-04	-6.58E-04	-1.93E-04
3.22E+02	-3.32E-04	-5.23E-04	-1.91E-06
3.22E+02	-3.23E-04	-4.58E-04	1.93E-04
3.22E+02	-2.87E-04	-4.24E-04	4.20E-04
3.22E+02	-2.29E-04	-3.89E-04	7.02E-04
3.22E+02	-1.50E-04	-3.73E-04	9.19E-04
3.22E+02	-9.90E-05	-3.59E-04	1.09E-03
3.22E+02	-1.22E-04	-3.27E-04	1.23E-03
3.22E+02	-1.16E-04	-2.75E-04	1.29E-03
3.22E+02	-1.23E-04	-2.24E-04	1.31E-03
3.22E+02	-1.78E-04	-2.13E-04	1.23E-03
3.22E+02	-1.80E-04	-2.11E-04	1.10E-03
3.22E+02	-1.50E-04	-1.99E-04	9.71E-04
3.22E+02	-8.49E-05	-1.88E-04	7.35E-04
3.22E+02	-3.15E-05	-1.60E-04	3.78E-04
3.22E+02	-3.11E-05	-1.27E-04	-3.59E-05
3.22E+02	1.62E-05	-7.15E-05	-4.29E-04
3.22E+02	9.14E-05	2.29E-05	-7.07E-04
3.22E+02	1.19E-04	9.71E-05	-9.26E-04
3.22E+02	1.21E-04	1.63E-04	-1.09E-03
3.22E+02	1.18E-04	2.64E-04	-1.09E-03
3.22E+02	1.20E-04	3.72E-04	-1.05E-03
3.22E+02	1.06E-04	4.88E-04	-1.05E-03
3.22E+02	3.93E-05	6.11E-04	-1.03E-03
3.22E+02	-1.89E-05	7.71E-04	-9.55E-04
3.22E+02	-6.89E-05	9.78E-04	-7.52E-04
3.22E+02	-1.58E-04	1.11E-03	-5.61E-04
3.22E+02	-1.91E-04	1.18E-03	-4.26E-04
3.22E+02	-2.21E-04	1.27E-03	-1.63E-04
3.22E+02	-3.45E-04	1.32E-03	-4.86E-05
3.22E+02	-4.67E-04	1.30E-03	-2.84E-04
3.22E+02	-5.82E-04	1.29E-03	-4.89E-04
3.22E+02	-7.48E-04	1.33E-03	-5.31E-04
3.22E+02	-9.44E-04	1.39E-03	-5.63E-04
3.22E+02	-1.13E-03	1.41E-03	-5.81E-04
3.22E+02	-1.31E-03	1.40E-03	-5.42E-04
3.22E+02	-1.54E-03	1.39E-03	-4.51E-04
3.22E+02	-1.74E-03	1.36E-03	-3.93E-04
3.22E+02	-1.85E-03	1.33E-03	-3.83E-04

3.22E+02	-1.93E-03	1.29E-03	-3.59E-04
3.22E+02	-1.96E-03	1.27E-03	-3.08E-04
3.22E+02	-1.92E-03	1.28E-03	-2.17E-04
3.22E+02	-1.86E-03	1.26E-03	-2.09E-04
3.22E+02	-1.77E-03	1.19E-03	-2.70E-04
3.22E+02	-1.66E-03	1.12E-03	-2.62E-04
3.22E+02	-1.51E-03	1.07E-03	-2.23E-04
3.22E+02	-1.33E-03	1.08E-03	-1.05E-04
3.22E+02	-1.13E-03	1.13E-03	1.30E-04
3.22E+02	-8.85E-04	1.16E-03	4.18E-04
3.22E+02	-6.16E-04	1.20E-03	7.50E-04
3.22E+02	-4.20E-04	1.20E-03	1.04E-03
3.22E+02	-2.97E-04	1.14E-03	1.22E-03
3.22E+02	-2.03E-04	1.05E-03	1.40E-03
3.22E+02	-1.31E-04	9.56E-04	1.61E-03
3.22E+02	-7.27E-05	8.42E-04	1.76E-03
3.22E+02	-7.76E-05	7.21E-04	1.96E-03
3.22E+02	-1.33E-04	6.20E-04	2.17E-03
3.22E+02	-1.67E-04	5.58E-04	2.35E-03
3.22E+02	-2.23E-04	5.16E-04	2.47E-03
3.23E+02	-3.17E-04	4.44E-04	2.48E-03
3.23E+02	-3.99E-04	3.60E-04	2.44E-03
3.23E+02	-4.47E-04	3.00E-04	2.33E-03
3.23E+02	-4.78E-04	2.23E-04	2.10E-03
3.23E+02	-5.48E-04	1.49E-04	1.82E-03
3.23E+02	-6.21E-04	9.50E-05	1.47E-03
3.23E+02	-6.55E-04	4.86E-05	1.07E-03
3.23E+02	-7.39E-04	3.83E-05	6.78E-04
3.23E+02	-9.04E-04	4.02E-05	1.94E-04
3.23E+02	-1.10E-03	7.67E-05	-2.64E-04
3.23E+02	-1.31E-03	1.53E-04	-6.28E-04
3.23E+02	-1.50E-03	2.33E-04	-9.45E-04
3.23E+02	-1.68E-03	3.31E-04	-1.10E-03
3.23E+02	-1.82E-03	4.39E-04	-1.14E-03
3.23E+02	-1.87E-03	5.70E-04	-1.14E-03
3.23E+02	-1.82E-03	7.05E-04	-1.13E-03
3.23E+02	-1.69E-03	7.79E-04	-1.24E-03
3.23E+02	-1.44E-03	7.96E-04	-1.35E-03
3.23E+02	-1.13E-03	7.99E-04	-1.35E-03
3.23E+02	-7.79E-04	7.69E-04	-1.27E-03
3.23E+02	-4.30E-04	7.20E-04	-1.07E-03
3.23E+02	-9.06E-05	6.83E-04	-8.83E-04
3.23E+02	2.86E-04	6.96E-04	-6.22E-04
3.23E+02	5.99E-04	7.63E-04	-2.98E-04
3.23E+02	8.99E-04	7.64E-04	-2.13E-04
3.23E+02	1.25E-03	7.57E-04	-9.17E-05
3.23E+02	1.50E-03	8.26E-04	2.24E-04

3.23E+02	1.75E-03	8.86E-04	4.19E-04
3.23E+02	2.02E-03	9.40E-04	5.00E-04
3.23E+02	2.12E-03	9.80E-04	5.22E-04
3.23E+02	2.20E-03	1.04E-03	4.59E-04
3.23E+02	2.19E-03	1.15E-03	3.54E-04
3.23E+02	2.05E-03	1.22E-03	2.03E-04
3.23E+02	1.92E-03	1.31E-03	3.34E-05
3.23E+02	1.75E-03	1.41E-03	-3.17E-05
3.23E+02	1.57E-03	1.50E-03	-4.79E-05
3.23E+02	1.41E-03	1.56E-03	-9.27E-05
3.23E+02	1.23E-03	1.57E-03	-3.87E-05
3.23E+02	1.11E-03	1.52E-03	7.82E-05
3.23E+02	9.88E-04	1.42E-03	2.24E-04
3.23E+02	8.54E-04	1.27E-03	3.56E-04
3.23E+02	7.91E-04	1.11E-03	4.34E-04
3.23E+02	7.74E-04	9.48E-04	5.34E-04
3.23E+02	7.98E-04	7.69E-04	5.29E-04
3.23E+02	8.26E-04	6.31E-04	4.37E-04
3.23E+02	8.10E-04	5.37E-04	3.51E-04
3.23E+02	7.94E-04	4.80E-04	2.14E-04
3.23E+02	7.43E-04	4.43E-04	2.96E-05
3.23E+02	6.44E-04	3.60E-04	-2.23E-04
3.23E+02	5.64E-04	2.58E-04	-4.35E-04
3.23E+02	5.18E-04	1.65E-04	-5.47E-04
3.23E+02	4.96E-04	4.20E-05	-6.86E-04
3.23E+02	4.76E-04	-6.89E-05	-8.19E-04
3.23E+02	4.62E-04	-1.42E-04	-8.86E-04
3.23E+02	5.08E-04	-1.74E-04	-8.92E-04
3.23E+02	5.73E-04	-1.51E-04	-8.31E-04
3.23E+02	6.07E-04	-1.15E-04	-8.11E-04
3.23E+02	6.54E-04	-3.36E-05	-8.20E-04
3.23E+02	7.00E-04	1.22E-04	-7.54E-04
3.23E+02	7.55E-04	2.79E-04	-7.08E-04
3.23E+02	8.08E-04	4.18E-04	-6.37E-04
3.23E+02	8.05E-04	5.43E-04	-4.35E-04
3.23E+02	8.16E-04	6.31E-04	-1.95E-04
3.23E+02	8.10E-04	6.61E-04	4.16E-05
3.23E+02	7.19E-04	5.92E-04	1.75E-04
3.23E+02	6.14E-04	4.72E-04	2.11E-04
3.23E+02	4.90E-04	3.84E-04	2.70E-04
3.23E+02	3.31E-04	3.09E-04	2.41E-04
3.23E+02	1.48E-04	2.52E-04	1.67E-04
3.23E+02	-7.74E-05	2.24E-04	1.71E-04
3.23E+02	-2.58E-04	1.97E-04	2.32E-04
3.23E+02	-3.90E-04	1.70E-04	3.58E-04
3.23E+02	-5.54E-04	1.01E-04	3.93E-04
3.23E+02	-6.90E-04	3.15E-05	3.17E-04

3.23E+02	-7.66E-04	3.95E-05	2.90E-04
3.23E+02	-7.85E-04	6.79E-05	2.30E-04
3.23E+02	-7.68E-04	1.27E-04	1.91E-04
3.23E+02	-7.72E-04	2.24E-04	2.78E-04
3.23E+02	-7.52E-04	3.44E-04	4.24E-04
3.23E+02	-7.03E-04	4.62E-04	6.35E-04
3.23E+02	-6.63E-04	4.91E-04	8.06E-04
3.23E+02	-5.97E-04	4.73E-04	8.46E-04
3.23E+02	-5.37E-04	4.63E-04	8.43E-04
3.23E+02	-4.70E-04	4.75E-04	7.96E-04
3.23E+02	-3.65E-04	5.49E-04	6.99E-04
3.23E+02	-2.46E-04	6.64E-04	4.81E-04
3.23E+02	-4.04E-05	7.97E-04	1.26E-04
3.23E+02	2.11E-04	9.28E-04	-6.56E-05
3.23E+02	4.04E-04	1.02E-03	-1.67E-04
3.23E+02	6.12E-04	1.01E-03	-4.53E-04
3.23E+02	8.55E-04	9.74E-04	-6.66E-04
3.23E+02	1.08E-03	9.99E-04	-6.31E-04
3.23E+02	1.27E-03	1.04E-03	-5.78E-04
3.23E+02	1.41E-03	1.06E-03	-6.55E-04
3.23E+02	1.53E-03	1.06E-03	-7.57E-04
3.23E+02	1.61E-03	1.07E-03	-7.41E-04
3.23E+02	1.58E-03	1.10E-03	-6.25E-04
3.23E+02	1.45E-03	1.03E-03	-5.17E-04
3.23E+02	1.29E-03	8.82E-04	-4.36E-04
3.23E+02	1.11E-03	6.92E-04	-3.49E-04
3.23E+02	8.90E-04	4.70E-04	-3.38E-04
3.23E+02	6.62E-04	2.90E-04	-4.03E-04
3.23E+02	4.84E-04	2.11E-04	-3.80E-04
3.23E+02	3.76E-04	2.70E-04	-2.21E-04
3.23E+02	2.70E-04	3.86E-04	-4.98E-05
3.23E+02	2.01E-04	4.86E-04	8.30E-05
3.23E+02	2.15E-04	5.78E-04	2.17E-04
3.23E+02	2.61E-04	5.88E-04	2.30E-04
3.23E+02	3.22E-04	4.77E-04	6.92E-05
3.23E+02	3.66E-04	3.27E-04	-1.34E-04
3.23E+02	4.34E-04	2.16E-04	-3.49E-04
3.23E+02	5.86E-04	1.97E-04	-5.55E-04
3.23E+02	7.33E-04	2.50E-04	-7.94E-04
3.23E+02	8.90E-04	3.30E-04	-1.08E-03
3.23E+02	1.08E-03	4.91E-04	-1.19E-03
3.23E+02	1.27E-03	7.21E-04	-1.13E-03
3.23E+02	1.46E-03	9.20E-04	-1.09E-03
3.23E+02	1.58E-03	1.08E-03	-1.08E-03
3.23E+02	1.67E-03	1.20E-03	-1.10E-03
3.23E+02	1.79E-03	1.30E-03	-1.09E-03
3.23E+02	1.83E-03	1.36E-03	-1.02E-03

3.23E+02	1.86E-03	1.35E-03	-9.06E-04
3.23E+02	1.90E-03	1.33E-03	-6.58E-04
3.23E+02	1.97E-03	1.28E-03	-3.31E-04
3.23E+02	2.06E-03	1.14E-03	-9.21E-05
3.23E+02	2.08E-03	9.38E-04	1.23E-04
3.23E+02	2.08E-03	7.22E-04	3.13E-04
3.23E+02	2.06E-03	4.75E-04	4.21E-04
3.23E+02	1.94E-03	2.34E-04	5.25E-04
3.23E+02	1.77E-03	-7.63E-07	6.20E-04
3.23E+02	1.58E-03	-2.16E-04	7.59E-04
3.23E+02	1.38E-03	-3.90E-04	9.51E-04
3.23E+02	1.16E-03	-5.77E-04	1.07E-03
3.23E+02	8.54E-04	-7.97E-04	1.16E-03
3.23E+02	5.46E-04	-1.04E-03	1.22E-03
3.23E+02	2.39E-04	-1.27E-03	1.16E-03
3.23E+02	-1.39E-04	-1.46E-03	1.00E-03
3.23E+02	-4.79E-04	-1.59E-03	7.20E-04
3.23E+02	-8.44E-04	-1.58E-03	5.26E-04
3.23E+02	-1.23E-03	-1.49E-03	4.06E-04
3.23E+02	-1.56E-03	-1.40E-03	3.30E-04
3.23E+02	-1.90E-03	-1.30E-03	5.67E-04
3.23E+02	-2.31E-03	-1.18E-03	8.19E-04
3.23E+02	-2.63E-03	-1.06E-03	7.31E-04
3.23E+02	-2.74E-03	-9.97E-04	5.71E-04
3.23E+02	-2.82E-03	-8.48E-04	5.66E-04
3.23E+02	-2.88E-03	-5.31E-04	4.10E-04
3.23E+02	-2.73E-03	-2.64E-04	-1.25E-04
3.23E+02	-2.50E-03	8.14E-05	-4.22E-04
3.23E+02	-2.40E-03	5.87E-04	-4.52E-04
3.23E+02	-2.19E-03	9.55E-04	-8.50E-04
3.23E+02	-1.83E-03	1.21E-03	-1.05E-03
3.23E+02	-1.61E-03	1.42E-03	-9.14E-04
3.23E+02	-1.36E-03	1.48E-03	-1.07E-03
3.23E+02	-1.06E-03	1.53E-03	-1.03E-03
3.23E+02	-9.07E-04	1.57E-03	-8.13E-04
3.23E+02	-7.31E-04	1.53E-03	-8.91E-04
3.23E+02	-5.50E-04	1.52E-03	-8.55E-04
3.23E+02	-4.72E-04	1.51E-03	-7.09E-04
3.23E+02	-3.33E-04	1.48E-03	-6.18E-04
3.23E+02	-1.37E-04	1.48E-03	-4.89E-04
3.23E+02	6.10E-06	1.38E-03	-4.87E-04
3.23E+02	1.44E-04	1.28E-03	-4.66E-04
3.23E+02	3.43E-04	1.20E-03	-3.54E-04
3.23E+02	5.91E-04	1.08E-03	-3.22E-04
3.23E+02	8.21E-04	9.88E-04	-2.57E-04
3.23E+02	1.03E-03	8.52E-04	-2.36E-04
3.23E+02	1.28E-03	6.92E-04	-3.14E-04

3.23E+02	1.51E-03	5.64E-04	-3.19E-04
3.23E+02	1.73E-03	3.63E-04	-3.31E-04
3.23E+02	1.95E-03	1.21E-04	-3.23E-04
3.23E+02	2.14E-03	-1.26E-04	-2.03E-04
3.23E+02	2.29E-03	-4.12E-04	-1.33E-04
3.23E+02	2.36E-03	-7.05E-04	-1.15E-04
3.23E+02	2.34E-03	-1.00E-03	-1.47E-04
3.23E+02	2.29E-03	-1.27E-03	-2.77E-04
3.23E+02	2.16E-03	-1.48E-03	-4.15E-04
3.23E+02	1.93E-03	-1.66E-03	-5.63E-04
3.23E+02	1.69E-03	-1.80E-03	-5.94E-04
3.23E+02	1.40E-03	-1.89E-03	-3.97E-04
3.23E+02	1.07E-03	-1.95E-03	-1.21E-04
3.23E+02	6.90E-04	-2.00E-03	1.65E-04
3.23E+02	2.46E-04	-2.03E-03	3.93E-04
3.23E+02	-1.50E-04	-2.03E-03	5.46E-04
3.23E+02	-5.35E-04	-1.99E-03	6.55E-04
3.23E+02	-9.41E-04	-1.93E-03	6.21E-04
3.23E+02	-1.29E-03	-1.83E-03	5.41E-04
3.23E+02	-1.60E-03	-1.68E-03	4.72E-04
3.23E+02	-1.82E-03	-1.56E-03	3.11E-04
3.23E+02	-1.97E-03	-1.48E-03	1.84E-04
3.23E+02	-2.10E-03	-1.41E-03	1.01E-04
3.23E+02	-2.14E-03	-1.36E-03	-6.50E-05
3.23E+02	-2.15E-03	-1.29E-03	-2.81E-04
3.23E+02	-2.15E-03	-1.20E-03	-5.76E-04
3.23E+02	-2.07E-03	-1.09E-03	-8.23E-04
3.23E+02	-1.95E-03	-8.92E-04	-8.83E-04
3.23E+02	-1.81E-03	-6.64E-04	-9.29E-04
3.23E+02	-1.69E-03	-4.49E-04	-1.02E-03
3.23E+02	-1.61E-03	-2.21E-04	-1.11E-03
3.23E+02	-1.48E-03	2.94E-05	-1.21E-03
3.24E+02	-1.31E-03	3.01E-04	-1.28E-03
3.24E+02	-1.12E-03	5.46E-04	-1.38E-03
3.24E+02	-8.80E-04	7.73E-04	-1.42E-03
3.24E+02	-6.62E-04	1.04E-03	-1.26E-03
3.24E+02	-4.30E-04	1.29E-03	-9.89E-04
3.24E+02	-1.79E-04	1.51E-03	-5.77E-04
3.24E+02	1.68E-05	1.77E-03	-8.93E-05
3.24E+02	2.27E-04	2.03E-03	2.21E-04
3.24E+02	4.91E-04	2.26E-03	4.60E-04
3.24E+02	7.62E-04	2.49E-03	7.19E-04
3.24E+02	1.04E-03	2.74E-03	9.21E-04
3.24E+02	1.35E-03	2.98E-03	1.03E-03
3.24E+02	1.65E-03	3.12E-03	1.13E-03
3.24E+02	1.80E-03	3.26E-03	1.30E-03
3.24E+02	1.83E-03	3.36E-03	1.19E-03

3.24E+02	1.95E-03	3.36E-03	8.49E-04
3.24E+02	2.03E-03	3.32E-03	6.60E-04
3.24E+02	2.00E-03	3.19E-03	4.75E-04
3.24E+02	2.00E-03	2.97E-03	2.98E-04
3.24E+02	1.98E-03	2.78E-03	3.30E-04
3.24E+02	1.97E-03	2.54E-03	3.25E-04
3.24E+02	1.97E-03	2.20E-03	2.17E-04
3.24E+02	1.90E-03	1.80E-03	1.49E-04
3.24E+02	1.84E-03	1.38E-03	8.81E-05
3.24E+02	1.83E-03	1.01E-03	1.11E-05
3.24E+02	1.85E-03	6.49E-04	-1.76E-04
3.24E+02	1.92E-03	2.71E-04	-4.11E-04
3.24E+02	2.01E-03	-6.07E-05	-5.36E-04
3.24E+02	2.14E-03	-3.69E-04	-6.53E-04
3.24E+02	2.26E-03	-6.57E-04	-7.54E-04
3.24E+02	2.33E-03	-8.80E-04	-7.96E-04
3.24E+02	2.43E-03	-1.09E-03	-8.17E-04
3.24E+02	2.55E-03	-1.22E-03	-8.01E-04
3.24E+02	2.64E-03	-1.29E-03	-8.26E-04
3.24E+02	2.70E-03	-1.34E-03	-8.42E-04
3.24E+02	2.77E-03	-1.30E-03	-7.43E-04
3.24E+02	2.85E-03	-1.26E-03	-6.62E-04
3.24E+02	2.87E-03	-1.25E-03	-5.96E-04
3.24E+02	2.81E-03	-1.17E-03	-4.92E-04
3.24E+02	2.73E-03	-1.10E-03	-4.76E-04
3.24E+02	2.65E-03	-9.90E-04	-5.17E-04
3.24E+02	2.50E-03	-8.95E-04	-6.34E-04
3.24E+02	2.31E-03	-8.58E-04	-8.09E-04
3.24E+02	2.11E-03	-7.86E-04	-8.34E-04
3.24E+02	1.90E-03	-7.05E-04	-7.46E-04
3.24E+02	1.65E-03	-6.62E-04	-5.80E-04
3.24E+02	1.35E-03	-6.63E-04	-3.07E-04
3.24E+02	1.05E-03	-7.27E-04	-2.27E-05
3.24E+02	7.97E-04	-8.15E-04	3.06E-04
3.24E+02	5.33E-04	-9.67E-04	6.27E-04
3.24E+02	2.72E-04	-1.16E-03	8.60E-04
3.24E+02	3.59E-05	-1.29E-03	1.07E-03
3.24E+02	-1.79E-04	-1.41E-03	1.18E-03
3.24E+02	-3.74E-04	-1.50E-03	1.15E-03
3.24E+02	-5.99E-04	-1.56E-03	1.10E-03
3.24E+02	-8.29E-04	-1.61E-03	1.02E-03
3.24E+02	-1.01E-03	-1.59E-03	9.96E-04
3.24E+02	-1.22E-03	-1.55E-03	9.98E-04
3.24E+02	-1.45E-03	-1.52E-03	9.66E-04
3.24E+02	-1.65E-03	-1.44E-03	9.69E-04
3.24E+02	-1.84E-03	-1.34E-03	9.70E-04
3.24E+02	-2.05E-03	-1.25E-03	9.27E-04

3.24E+02	-2.31E-03	-1.12E-03	8.55E-04
3.24E+02	-2.57E-03	-9.86E-04	7.35E-04
3.24E+02	-2.76E-03	-8.16E-04	6.06E-04
3.24E+02	-2.99E-03	-5.98E-04	4.55E-04
3.24E+02	-3.24E-03	-3.78E-04	2.45E-04
3.24E+02	-3.43E-03	-1.10E-04	9.42E-05
3.24E+02	-3.57E-03	2.01E-04	-2.14E-05
3.24E+02	-3.66E-03	4.63E-04	-2.15E-04
3.24E+02	-3.72E-03	6.82E-04	-3.87E-04
3.24E+02	-3.69E-03	8.60E-04	-4.23E-04
3.24E+02	-3.53E-03	1.01E-03	-3.76E-04
3.24E+02	-3.32E-03	1.10E-03	-3.97E-04
3.24E+02	-3.09E-03	1.07E-03	-4.34E-04
3.24E+02	-2.85E-03	1.05E-03	-4.94E-04
3.24E+02	-2.52E-03	9.88E-04	-7.48E-04
3.24E+02	-2.09E-03	8.37E-04	-9.86E-04
3.24E+02	-1.70E-03	6.66E-04	-1.08E-03
3.24E+02	-1.32E-03	4.60E-04	-1.18E-03
3.24E+02	-9.26E-04	2.45E-04	-1.27E-03
3.24E+02	-5.87E-04	2.54E-05	-1.34E-03
3.24E+02	-3.24E-04	-2.37E-04	-1.35E-03
3.24E+02	-9.99E-05	-5.24E-04	-1.26E-03
3.24E+02	9.59E-05	-7.95E-04	-1.05E-03
3.24E+02	2.91E-04	-1.03E-03	-8.31E-04
3.24E+02	4.84E-04	-1.25E-03	-5.75E-04
3.24E+02	7.10E-04	-1.43E-03	-3.12E-04
3.24E+02	1.03E-03	-1.54E-03	-8.72E-05
3.24E+02	1.40E-03	-1.58E-03	1.55E-04
3.24E+02	1.79E-03	-1.59E-03	2.76E-04
3.24E+02	2.29E-03	-1.56E-03	3.13E-04
3.24E+02	2.84E-03	-1.43E-03	4.48E-04
3.24E+02	3.41E-03	-1.25E-03	5.78E-04
3.24E+02	3.93E-03	-1.08E-03	6.76E-04
3.24E+02	4.31E-03	-9.07E-04	7.62E-04
3.24E+02	4.63E-03	-7.18E-04	8.23E-04
3.24E+02	4.87E-03	-5.16E-04	9.10E-04
3.24E+02	4.99E-03	-3.35E-04	9.70E-04
3.24E+02	5.05E-03	-1.24E-04	1.02E-03
3.24E+02	5.06E-03	1.21E-04	1.04E-03
3.24E+02	5.04E-03	3.26E-04	8.83E-04
3.24E+02	4.96E-03	5.46E-04	6.66E-04
3.24E+02	4.75E-03	8.18E-04	5.27E-04
3.24E+02	4.48E-03	1.16E-03	4.34E-04
3.24E+02	4.12E-03	1.53E-03	4.28E-04
3.24E+02	3.57E-03	1.81E-03	4.12E-04
3.24E+02	2.92E-03	1.98E-03	3.56E-04
3.24E+02	2.17E-03	2.07E-03	3.42E-04

3.24E+02	1.35E-03	2.07E-03	3.23E-04
3.24E+02	5.16E-04	2.01E-03	3.42E-04
3.24E+02	-3.64E-04	1.90E-03	3.80E-04
3.24E+02	-1.17E-03	1.74E-03	3.61E-04
3.24E+02	-1.88E-03	1.58E-03	3.51E-04
3.24E+02	-2.54E-03	1.37E-03	3.02E-04
3.24E+02	-3.09E-03	1.11E-03	2.22E-04
3.24E+02	-3.49E-03	8.45E-04	2.37E-04
3.24E+02	-3.74E-03	5.28E-04	2.62E-04
3.24E+02	-3.86E-03	1.65E-04	2.01E-04
3.24E+02	-3.88E-03	-2.27E-04	1.19E-04
3.24E+02	-3.78E-03	-6.23E-04	3.28E-05
3.24E+02	-3.58E-03	-1.01E-03	-1.19E-04
3.24E+02	-3.38E-03	-1.47E-03	-3.77E-04
3.24E+02	-3.14E-03	-1.93E-03	-7.06E-04
3.24E+02	-2.83E-03	-2.35E-03	-9.72E-04
3.24E+02	-2.48E-03	-2.73E-03	-1.11E-03
3.24E+02	-2.12E-03	-3.04E-03	-1.12E-03
3.24E+02	-1.83E-03	-3.32E-03	-9.75E-04
3.24E+02	-1.53E-03	-3.59E-03	-7.86E-04
3.24E+02	-1.22E-03	-3.80E-03	-6.36E-04
3.24E+02	-9.44E-04	-3.97E-03	-5.40E-04
3.24E+02	-6.93E-04	-4.05E-03	-4.63E-04
3.24E+02	-4.15E-04	-3.98E-03	-2.48E-04
3.24E+02	-1.10E-04	-3.79E-03	5.65E-05
3.24E+02	1.87E-04	-3.56E-03	3.24E-04
3.24E+02	4.28E-04	-3.28E-03	5.86E-04
3.24E+02	6.27E-04	-2.95E-03	8.12E-04
3.24E+02	8.22E-04	-2.58E-03	9.04E-04
3.24E+02	9.58E-04	-2.22E-03	8.48E-04
3.24E+02	1.04E-03	-1.80E-03	7.10E-04
3.24E+02	1.10E-03	-1.27E-03	6.26E-04
3.24E+02	1.10E-03	-6.34E-04	5.39E-04
3.24E+02	1.10E-03	5.26E-05	3.35E-04
3.24E+02	1.03E-03	6.89E-04	1.46E-04
3.24E+02	9.02E-04	1.24E-03	-4.94E-05
3.24E+02	7.84E-04	1.75E-03	-2.35E-04
3.24E+02	5.49E-04	2.14E-03	-4.43E-04
3.24E+02	3.06E-04	2.43E-03	-8.79E-04
3.24E+02	7.31E-05	2.65E-03	-1.30E-03
3.24E+02	-2.00E-04	2.84E-03	-1.55E-03
3.24E+02	-4.20E-04	2.99E-03	-1.69E-03
3.24E+02	-6.91E-04	3.08E-03	-1.62E-03
3.24E+02	-9.52E-04	3.16E-03	-1.43E-03
3.24E+02	-1.11E-03	3.18E-03	-1.22E-03
3.24E+02	-1.27E-03	3.13E-03	-9.57E-04
3.24E+02	-1.38E-03	2.99E-03	-7.68E-04

3.24E+02	-1.41E-03	2.75E-03	-5.70E-04
3.24E+02	-1.37E-03	2.49E-03	-3.05E-04
3.24E+02	-1.25E-03	2.15E-03	-1.51E-04
3.24E+02	-1.13E-03	1.76E-03	-1.72E-05
3.24E+02	-9.83E-04	1.40E-03	1.28E-04
3.24E+02	-7.50E-04	1.07E-03	2.77E-04
3.24E+02	-4.96E-04	7.82E-04	5.20E-04
3.24E+02	-2.81E-04	4.71E-04	7.04E-04
3.24E+02	-5.49E-05	1.50E-04	8.11E-04
3.24E+02	1.94E-04	-1.71E-04	8.69E-04
3.24E+02	4.53E-04	-5.23E-04	8.11E-04
3.24E+02	6.95E-04	-8.60E-04	7.43E-04
3.24E+02	8.91E-04	-1.18E-03	6.66E-04
3.24E+02	1.09E-03	-1.48E-03	5.91E-04
3.24E+02	1.27E-03	-1.76E-03	5.74E-04
3.24E+02	1.38E-03	-2.05E-03	5.26E-04
3.24E+02	1.49E-03	-2.31E-03	5.16E-04
3.24E+02	1.60E-03	-2.46E-03	6.02E-04
3.24E+02	1.70E-03	-2.53E-03	6.84E-04
3.24E+02	1.74E-03	-2.49E-03	7.78E-04
3.24E+02	1.72E-03	-2.31E-03	8.56E-04
3.24E+02	1.74E-03	-2.07E-03	8.88E-04
3.24E+02	1.78E-03	-1.75E-03	9.36E-04
3.24E+02	1.77E-03	-1.44E-03	9.01E-04
3.24E+02	1.76E-03	-1.15E-03	7.76E-04
3.24E+02	1.76E-03	-8.52E-04	6.56E-04
3.24E+02	1.79E-03	-5.95E-04	4.61E-04
3.24E+02	1.82E-03	-3.84E-04	2.16E-04
3.24E+02	1.81E-03	-2.31E-04	2.23E-05
3.24E+02	1.82E-03	-1.31E-04	-7.74E-05
3.24E+02	1.82E-03	-3.59E-05	-2.33E-05
3.24E+02	1.76E-03	-9.73E-06	3.30E-05
3.24E+02	1.70E-03	-5.99E-05	3.47E-05
3.24E+02	1.64E-03	-1.18E-04	1.11E-04
3.24E+02	1.61E-03	-2.21E-04	1.83E-04
3.24E+02	1.60E-03	-3.69E-04	2.40E-04
3.24E+02	1.53E-03	-5.46E-04	3.14E-04
3.24E+02	1.51E-03	-7.65E-04	3.85E-04
3.24E+02	1.50E-03	-1.01E-03	5.21E-04
3.24E+02	1.42E-03	-1.31E-03	5.79E-04
3.24E+02	1.30E-03	-1.69E-03	4.79E-04
3.24E+02	1.07E-03	-2.07E-03	3.05E-04
3.24E+02	7.86E-04	-2.38E-03	-8.20E-06
3.24E+02	5.15E-04	-2.59E-03	-4.06E-04
3.25E+02	1.55E-04	-2.76E-03	-7.97E-04
3.25E+02	-2.01E-04	-2.88E-03	-1.15E-03
3.25E+02	-5.29E-04	-2.92E-03	-1.42E-03

3.25E+02	-8.91E-04	-2.96E-03	-1.59E-03
3.25E+02	-1.27E-03	-2.97E-03	-1.60E-03
3.25E+02	-1.69E-03	-2.90E-03	-1.52E-03
3.25E+02	-2.06E-03	-2.83E-03	-1.53E-03
3.25E+02	-2.39E-03	-2.72E-03	-1.60E-03
3.25E+02	-2.74E-03	-2.59E-03	-1.61E-03
3.25E+02	-3.02E-03	-2.39E-03	-1.48E-03
3.25E+02	-3.20E-03	-2.07E-03	-1.23E-03
3.25E+02	-3.33E-03	-1.72E-03	-9.94E-04
3.25E+02	-3.43E-03	-1.34E-03	-7.68E-04
3.25E+02	-3.51E-03	-9.74E-04	-4.65E-04
3.25E+02	-3.49E-03	-6.60E-04	-2.59E-04
3.25E+02	-3.38E-03	-3.92E-04	-1.80E-04
3.25E+02	-3.30E-03	-1.86E-04	-1.07E-04
3.25E+02	-3.22E-03	1.41E-05	-2.94E-05
3.25E+02	-3.08E-03	2.11E-04	8.60E-05
3.25E+02	-2.93E-03	3.81E-04	2.35E-04
3.25E+02	-2.80E-03	5.44E-04	4.03E-04
3.25E+02	-2.63E-03	7.18E-04	6.34E-04
3.25E+02	-2.39E-03	8.74E-04	8.69E-04
3.25E+02	-2.12E-03	1.02E-03	1.00E-03
3.25E+02	-1.90E-03	1.19E-03	1.01E-03
3.25E+02	-1.67E-03	1.36E-03	8.26E-04
3.25E+02	-1.34E-03	1.60E-03	5.23E-04
3.25E+02	-1.02E-03	1.89E-03	2.53E-04
3.25E+02	-7.02E-04	2.15E-03	5.34E-06
3.25E+02	-3.46E-04	2.37E-03	-1.57E-04
3.25E+02	1.43E-05	2.53E-03	-1.58E-04
3.25E+02	4.06E-04	2.56E-03	-1.53E-04
3.25E+02	7.62E-04	2.52E-03	-1.44E-04
3.25E+02	1.08E-03	2.39E-03	-9.25E-05
3.25E+02	1.43E-03	2.26E-03	1.87E-05
3.25E+02	1.73E-03	2.13E-03	2.20E-04
3.25E+02	1.98E-03	1.92E-03	3.22E-04
3.25E+02	2.23E-03	1.66E-03	3.30E-04
3.25E+02	2.46E-03	1.37E-03	3.36E-04
3.25E+02	2.68E-03	1.01E-03	2.49E-04
3.25E+02	2.85E-03	6.20E-04	1.35E-04
3.25E+02	2.99E-03	2.36E-04	1.30E-05
3.25E+02	3.14E-03	-9.50E-05	-1.14E-04
3.25E+02	3.22E-03	-3.66E-04	-1.61E-04
3.25E+02	3.21E-03	-6.31E-04	-2.20E-04
3.25E+02	3.16E-03	-8.56E-04	-2.28E-04
3.25E+02	3.04E-03	-1.03E-03	-1.66E-04
3.25E+02	2.89E-03	-1.21E-03	-2.14E-04
3.25E+02	2.67E-03	-1.39E-03	-2.14E-04
3.25E+02	2.39E-03	-1.53E-03	-1.07E-04

3.25E+02	2.13E-03	-1.59E-03	-3.03E-05
3.25E+02	1.84E-03	-1.57E-03	5.91E-06
3.25E+02	1.50E-03	-1.52E-03	-3.72E-05
3.25E+02	1.17E-03	-1.37E-03	-2.73E-05
3.25E+02	8.54E-04	-1.14E-03	1.49E-05
3.25E+02	5.67E-04	-8.91E-04	-4.86E-05
3.25E+02	2.63E-04	-6.14E-04	-4.46E-05
3.25E+02	-8.54E-05	-3.18E-04	2.82E-05
3.25E+02	-3.88E-04	-6.73E-05	1.40E-04
3.25E+02	-6.73E-04	1.57E-04	3.52E-04
3.25E+02	-9.74E-04	3.21E-04	5.11E-04
3.25E+02	-1.25E-03	4.19E-04	5.97E-04
3.25E+02	-1.50E-03	4.97E-04	6.48E-04
3.25E+02	-1.70E-03	5.33E-04	5.63E-04
3.25E+02	-1.87E-03	5.64E-04	3.83E-04
3.25E+02	-2.08E-03	6.00E-04	2.17E-04
3.25E+02	-2.23E-03	6.32E-04	1.51E-04
3.25E+02	-2.31E-03	6.71E-04	2.33E-04
3.25E+02	-2.38E-03	6.24E-04	3.40E-04
3.25E+02	-2.43E-03	4.73E-04	3.88E-04
3.25E+02	-2.44E-03	2.78E-04	5.05E-04
3.25E+02	-2.37E-03	4.88E-05	7.68E-04
3.25E+02	-2.34E-03	-1.67E-04	1.10E-03
3.25E+02	-2.42E-03	-3.51E-04	1.35E-03
3.25E+02	-2.41E-03	-5.11E-04	1.38E-03
3.25E+02	-2.35E-03	-6.48E-04	1.30E-03
3.25E+02	-2.36E-03	-8.28E-04	1.16E-03
3.25E+02	-2.36E-03	-1.02E-03	9.00E-04
3.25E+02	-2.28E-03	-1.12E-03	6.31E-04
3.25E+02	-2.18E-03	-1.19E-03	2.76E-04
3.25E+02	-2.02E-03	-1.20E-03	-1.38E-04
3.25E+02	-1.86E-03	-1.16E-03	-3.70E-04
3.25E+02	-1.66E-03	-1.08E-03	-4.55E-04
3.25E+02	-1.43E-03	-9.47E-04	-3.94E-04
3.25E+02	-1.28E-03	-8.20E-04	-2.76E-04
3.25E+02	-1.14E-03	-7.54E-04	-1.99E-04
3.25E+02	-9.50E-04	-6.92E-04	1.74E-05
3.25E+02	-7.42E-04	-6.43E-04	3.24E-04
3.25E+02	-5.23E-04	-5.94E-04	5.98E-04
3.25E+02	-3.62E-04	-5.37E-04	8.49E-04
3.25E+02	-1.91E-04	-4.88E-04	1.02E-03
3.25E+02	3.19E-05	-3.97E-04	1.14E-03
3.25E+02	2.04E-04	-2.93E-04	1.20E-03
3.25E+02	3.64E-04	-1.76E-04	1.15E-03
3.25E+02	5.07E-04	1.13E-05	1.06E-03
3.25E+02	6.26E-04	1.98E-04	9.02E-04
3.25E+02	7.65E-04	3.39E-04	7.00E-04

3.25E+02	8.46E-04	4.27E-04	5.53E-04
3.25E+02	9.22E-04	4.39E-04	3.89E-04
3.25E+02	1.04E-03	4.21E-04	2.08E-04
3.25E+02	1.14E-03	3.84E-04	6.75E-05
3.25E+02	1.26E-03	3.31E-04	-4.31E-05
3.25E+02	1.45E-03	3.23E-04	-5.61E-05
3.25E+02	1.70E-03	3.45E-04	-4.52E-05
3.25E+02	2.02E-03	3.58E-04	-1.30E-04
3.25E+02	2.32E-03	3.41E-04	-2.85E-04
3.25E+02	2.63E-03	2.76E-04	-5.17E-04
3.25E+02	3.00E-03	2.00E-04	-7.14E-04
3.25E+02	3.34E-03	1.17E-04	-7.84E-04
3.25E+02	3.62E-03	-2.08E-05	-7.69E-04
3.25E+02	3.84E-03	-1.64E-04	-6.14E-04
3.25E+02	3.99E-03	-2.85E-04	-3.85E-04
3.25E+02	4.07E-03	-3.92E-04	-1.92E-04
3.25E+02	4.04E-03	-4.43E-04	1.81E-05
3.25E+02	3.92E-03	-4.52E-04	2.33E-04
3.25E+02	3.77E-03	-4.17E-04	4.17E-04
3.25E+02	3.54E-03	-3.70E-04	4.85E-04
3.25E+02	3.23E-03	-3.55E-04	3.45E-04
3.25E+02	2.88E-03	-3.36E-04	1.15E-04
3.25E+02	2.52E-03	-3.38E-04	-1.23E-04
3.25E+02	2.15E-03	-3.68E-04	-3.36E-04
3.25E+02	1.72E-03	-4.03E-04	-4.62E-04
3.25E+02	1.27E-03	-4.37E-04	-5.52E-04
3.25E+02	8.74E-04	-4.47E-04	-6.26E-04
3.25E+02	4.89E-04	-4.26E-04	-6.45E-04
3.25E+02	1.23E-04	-3.86E-04	-6.57E-04
3.25E+02	-2.04E-04	-3.30E-04	-6.27E-04
3.25E+02	-4.63E-04	-2.45E-04	-4.98E-04
3.25E+02	-6.44E-04	-1.72E-04	-3.97E-04
3.25E+02	-7.80E-04	-1.14E-04	-3.05E-04
3.25E+02	-8.64E-04	-6.18E-05	-1.50E-04
3.25E+02	-8.43E-04	-8.91E-05	-5.95E-05
3.25E+02	-7.83E-04	-2.35E-04	-1.85E-05
3.25E+02	-7.47E-04	-5.04E-04	-3.62E-06
3.25E+02	-6.98E-04	-8.27E-04	-2.73E-05
3.25E+02	-6.78E-04	-1.09E-03	-7.93E-05
3.25E+02	-6.37E-04	-1.29E-03	-2.55E-04
3.25E+02	-5.99E-04	-1.44E-03	-4.16E-04
3.25E+02	-6.53E-04	-1.55E-03	-4.73E-04
3.25E+02	-6.61E-04	-1.59E-03	-5.49E-04
3.25E+02	-6.42E-04	-1.57E-03	-5.72E-04
3.25E+02	-6.64E-04	-1.55E-03	-5.40E-04
3.25E+02	-6.63E-04	-1.49E-03	-4.75E-04
3.25E+02	-6.77E-04	-1.37E-03	-2.95E-04

3.25E+02	-7.03E-04	-1.20E-03	-1.71E-04
3.25E+02	-7.60E-04	-1.01E-03	-1.87E-04
3.25E+02	-9.07E-04	-7.66E-04	-1.98E-04
3.25E+02	-1.07E-03	-4.60E-04	-1.29E-04
3.25E+02	-1.23E-03	-7.10E-05	7.15E-05
3.25E+02	-1.47E-03	2.79E-04	3.27E-04
3.25E+02	-1.76E-03	5.42E-04	5.65E-04
3.25E+02	-2.07E-03	7.78E-04	8.10E-04
3.25E+02	-2.41E-03	9.69E-04	9.11E-04
3.25E+02	-2.76E-03	1.13E-03	8.04E-04
3.25E+02	-3.13E-03	1.26E-03	6.13E-04
3.25E+02	-3.45E-03	1.39E-03	3.31E-04
3.25E+02	-3.69E-03	1.53E-03	-3.66E-05
3.25E+02	-3.91E-03	1.62E-03	-4.11E-04
3.25E+02	-4.07E-03	1.65E-03	-7.10E-04
3.25E+02	-4.13E-03	1.61E-03	-8.54E-04
3.25E+02	-4.05E-03	1.48E-03	-8.92E-04
3.25E+02	-3.91E-03	1.27E-03	-8.29E-04
3.25E+02	-3.73E-03	1.04E-03	-6.54E-04
3.25E+02	-3.45E-03	8.22E-04	-5.01E-04
3.25E+02	-3.10E-03	6.53E-04	-3.76E-04
3.25E+02	-2.79E-03	4.97E-04	-2.69E-04
3.25E+02	-2.46E-03	3.09E-04	-1.95E-04
3.25E+02	-2.14E-03	1.20E-04	-4.33E-05
3.25E+02	-1.83E-03	-9.42E-05	1.66E-04
3.25E+02	-1.53E-03	-3.34E-04	3.76E-04
3.25E+02	-1.31E-03	-5.63E-04	5.87E-04
3.25E+02	-1.10E-03	-7.92E-04	7.30E-04
3.25E+02	-8.46E-04	-9.50E-04	8.43E-04
3.25E+02	-6.20E-04	-1.02E-03	9.38E-04
3.25E+02	-4.09E-04	-1.01E-03	9.43E-04
3.25E+02	-1.48E-04	-8.90E-04	9.34E-04
3.25E+02	1.54E-04	-7.07E-04	8.42E-04
3.25E+02	4.72E-04	-5.43E-04	6.07E-04
3.25E+02	7.72E-04	-3.95E-04	4.17E-04
3.25E+02	1.07E-03	-2.96E-04	2.85E-04
3.25E+02	1.39E-03	-2.10E-04	2.39E-04
3.25E+02	1.65E-03	-1.28E-04	2.90E-04
3.25E+02	1.81E-03	-8.49E-05	2.74E-04
3.25E+02	1.92E-03	1.51E-05	2.45E-04
3.25E+02	1.97E-03	2.08E-04	1.97E-04
3.25E+02	1.96E-03	4.66E-04	8.03E-05
3.25E+02	1.89E-03	7.80E-04	2.10E-06
3.25E+02	1.80E-03	1.10E-03	-1.96E-05
3.25E+02	1.79E-03	1.42E-03	2.84E-05
3.25E+02	1.75E-03	1.70E-03	9.63E-05
3.25E+02	1.68E-03	1.84E-03	4.75E-05

3.25E+02	1.62E-03	1.92E-03	-1.43E-05
3.25E+02	1.53E-03	1.96E-03	-4.39E-06
3.25E+02	1.44E-03	1.96E-03	3.43E-06
3.25E+02	1.31E-03	1.96E-03	9.06E-05
3.25E+02	1.14E-03	1.97E-03	2.85E-04
3.25E+02	9.61E-04	2.03E-03	5.54E-04
3.25E+02	7.27E-04	2.14E-03	8.24E-04
3.25E+02	4.62E-04	2.21E-03	8.98E-04
3.25E+02	2.40E-04	2.23E-03	7.83E-04
3.26E+02	3.57E-05	2.23E-03	5.37E-04
3.26E+02	-1.45E-04	2.15E-03	1.92E-04
3.26E+02	-3.29E-04	2.03E-03	-1.45E-04
3.26E+02	-5.19E-04	1.89E-03	-4.81E-04
3.26E+02	-6.62E-04	1.75E-03	-8.09E-04
3.26E+02	-8.23E-04	1.57E-03	-1.11E-03
3.26E+02	-1.00E-03	1.26E-03	-1.44E-03
3.26E+02	-1.17E-03	9.11E-04	-1.75E-03
3.26E+02	-1.34E-03	5.82E-04	-2.01E-03
3.26E+02	-1.44E-03	2.36E-04	-2.23E-03
3.26E+02	-1.53E-03	-6.90E-05	-2.29E-03
3.26E+02	-1.67E-03	-3.35E-04	-2.24E-03
3.26E+02	-1.74E-03	-5.87E-04	-2.09E-03
3.26E+02	-1.81E-03	-7.93E-04	-1.82E-03
3.26E+02	-1.91E-03	-1.02E-03	-1.62E-03
3.26E+02	-1.97E-03	-1.23E-03	-1.42E-03
3.26E+02	-1.98E-03	-1.35E-03	-1.11E-03
3.26E+02	-1.95E-03	-1.41E-03	-8.70E-04
3.26E+02	-1.95E-03	-1.42E-03	-6.74E-04
3.26E+02	-2.00E-03	-1.37E-03	-5.03E-04
3.26E+02	-2.01E-03	-1.30E-03	-3.15E-04
3.26E+02	-2.03E-03	-1.23E-03	3.81E-07
3.26E+02	-2.07E-03	-1.22E-03	3.08E-04
3.26E+02	-2.06E-03	-1.26E-03	5.73E-04
3.26E+02	-2.00E-03	-1.28E-03	8.93E-04
3.26E+02	-1.86E-03	-1.30E-03	1.13E-03
3.26E+02	-1.73E-03	-1.32E-03	1.27E-03
3.26E+02	-1.62E-03	-1.30E-03	1.35E-03
3.26E+02	-1.45E-03	-1.24E-03	1.28E-03
3.26E+02	-1.19E-03	-1.13E-03	1.16E-03
3.26E+02	-8.78E-04	-1.00E-03	1.04E-03
3.26E+02	-4.88E-04	-9.12E-04	8.89E-04
3.26E+02	-2.37E-05	-8.00E-04	8.22E-04
3.26E+02	4.65E-04	-6.73E-04	7.84E-04
3.26E+02	9.22E-04	-5.37E-04	7.63E-04
3.26E+02	1.30E-03	-3.78E-04	7.87E-04
3.26E+02	1.64E-03	-1.77E-04	7.72E-04
3.26E+02	1.92E-03	8.07E-05	7.22E-04

3.26E+02	2.04E-03	3.33E-04	6.06E-04
3.26E+02	2.06E-03	5.68E-04	4.46E-04
3.26E+02	1.99E-03	8.47E-04	3.95E-04
3.26E+02	1.85E-03	1.14E-03	4.18E-04
3.26E+02	1.67E-03	1.40E-03	4.67E-04
3.26E+02	1.38E-03	1.63E-03	6.25E-04
3.26E+02	1.06E-03	1.84E-03	8.33E-04
3.26E+02	7.13E-04	2.04E-03	1.01E-03
3.26E+02	3.11E-04	2.22E-03	1.09E-03
3.26E+02	-1.15E-04	2.33E-03	1.01E-03
3.26E+02	-5.20E-04	2.43E-03	8.50E-04
3.26E+02	-8.78E-04	2.50E-03	6.46E-04
3.26E+02	-1.20E-03	2.51E-03	3.92E-04
3.26E+02	-1.52E-03	2.47E-03	1.46E-04
3.26E+02	-1.76E-03	2.34E-03	-1.34E-04
3.26E+02	-1.91E-03	2.15E-03	-3.83E-04
3.26E+02	-2.04E-03	1.91E-03	-6.15E-04
3.26E+02	-2.15E-03	1.62E-03	-8.64E-04
3.26E+02	-2.22E-03	1.38E-03	-9.26E-04
3.26E+02	-2.26E-03	1.18E-03	-8.17E-04
3.26E+02	-2.24E-03	1.03E-03	-6.67E-04
3.26E+02	-2.20E-03	8.89E-04	-4.75E-04
3.26E+02	-2.09E-03	7.70E-04	-2.77E-04
3.26E+02	-1.85E-03	6.59E-04	-5.72E-05
3.26E+02	-1.54E-03	5.08E-04	6.92E-05
3.26E+02	-1.19E-03	3.01E-04	4.44E-05
3.26E+02	-8.08E-04	9.19E-05	1.15E-04
3.26E+02	-4.20E-04	-1.19E-04	2.02E-04
3.26E+02	-3.81E-07	-3.81E-04	1.91E-04
3.26E+02	3.54E-04	-6.31E-04	2.20E-04
3.26E+02	6.53E-04	-8.50E-04	2.35E-04
3.26E+02	9.70E-04	-1.06E-03	2.41E-04
3.26E+02	1.24E-03	-1.27E-03	2.53E-04
3.26E+02	1.48E-03	-1.46E-03	2.59E-04
3.26E+02	1.70E-03	-1.51E-03	3.52E-04
3.26E+02	1.91E-03	-1.52E-03	3.94E-04
3.26E+02	2.16E-03	-1.54E-03	3.79E-04
3.26E+02	2.36E-03	-1.50E-03	4.94E-04
3.26E+02	2.51E-03	-1.44E-03	6.03E-04
3.26E+02	2.70E-03	-1.37E-03	6.47E-04
3.26E+02	2.81E-03	-1.28E-03	6.98E-04
3.26E+02	2.86E-03	-1.17E-03	6.40E-04
3.26E+02	2.89E-03	-1.01E-03	5.25E-04
3.26E+02	2.87E-03	-8.03E-04	4.43E-04
3.26E+02	2.78E-03	-6.16E-04	3.57E-04
3.26E+02	2.57E-03	-4.25E-04	3.08E-04
3.26E+02	2.28E-03	-2.66E-04	2.42E-04

3.26E+02	1.95E-03	-9.37E-05	1.42E-04
3.26E+02	1.54E-03	8.56E-05	3.70E-05
3.26E+02	1.05E-03	2.02E-04	-1.40E-04
3.26E+02	5.42E-04	3.27E-04	-2.92E-04
3.26E+02	8.39E-05	4.84E-04	-3.72E-04
3.26E+02	-2.82E-04	6.51E-04	-4.82E-04
3.26E+02	-6.33E-04	8.25E-04	-5.37E-04
3.26E+02	-9.44E-04	1.00E-03	-4.70E-04
3.26E+02	-1.13E-03	1.22E-03	-3.21E-04
3.26E+02	-1.28E-03	1.41E-03	-1.44E-04
3.26E+02	-1.43E-03	1.50E-03	-7.32E-05
3.26E+02	-1.51E-03	1.55E-03	-5.97E-05
3.26E+02	-1.56E-03	1.64E-03	-4.39E-06
3.26E+02	-1.60E-03	1.73E-03	-1.14E-06
3.26E+02	-1.66E-03	1.79E-03	-1.45E-05
3.26E+02	-1.76E-03	1.80E-03	5.32E-05
3.26E+02	-1.82E-03	1.79E-03	2.21E-04
3.26E+02	-1.88E-03	1.73E-03	4.76E-04
3.26E+02	-1.97E-03	1.53E-03	6.82E-04
3.26E+02	-2.04E-03	1.27E-03	8.01E-04
3.26E+02	-2.10E-03	9.95E-04	9.24E-04
3.26E+02	-2.14E-03	6.73E-04	9.63E-04
3.26E+02	-2.17E-03	3.36E-04	8.61E-04
3.26E+02	-2.23E-03	4.58E-06	6.64E-04
3.26E+02	-2.22E-03	-2.96E-04	3.61E-04
3.26E+02	-2.14E-03	-5.42E-04	9.54E-05
3.26E+02	-2.05E-03	-8.37E-04	-1.28E-04
3.26E+02	-1.90E-03	-1.20E-03	-3.39E-04
3.26E+02	-1.70E-03	-1.57E-03	-4.29E-04
3.26E+02	-1.47E-03	-1.98E-03	-5.29E-04
3.26E+02	-1.23E-03	-2.38E-03	-6.04E-04
3.26E+02	-1.00E-03	-2.69E-03	-5.87E-04
3.26E+02	-7.43E-04	-2.90E-03	-5.80E-04
3.26E+02	-4.51E-04	-2.97E-03	-5.16E-04
3.26E+02	-2.12E-04	-2.95E-03	-4.33E-04
3.26E+02	1.32E-05	-2.85E-03	-2.93E-04
3.26E+02	2.39E-04	-2.65E-03	-3.24E-06
3.26E+02	4.66E-04	-2.43E-03	2.98E-04
3.26E+02	6.77E-04	-2.22E-03	5.73E-04
3.26E+02	7.97E-04	-2.00E-03	8.01E-04
3.26E+02	9.08E-04	-1.78E-03	9.34E-04
3.26E+02	1.03E-03	-1.47E-03	1.06E-03
3.26E+02	1.10E-03	-1.08E-03	1.15E-03
3.26E+02	1.12E-03	-6.44E-04	1.13E-03
3.26E+02	1.13E-03	-1.54E-04	1.12E-03
3.26E+02	1.13E-03	2.90E-04	1.11E-03
3.26E+02	1.10E-03	6.69E-04	1.07E-03

3.26E+02	1.01E-03	1.01E-03	9.58E-04
3.26E+02	9.29E-04	1.33E-03	6.14E-04
3.26E+02	8.88E-04	1.63E-03	1.68E-04
3.26E+02	7.87E-04	1.93E-03	-2.24E-04
3.26E+02	6.75E-04	2.28E-03	-6.26E-04
3.26E+02	5.62E-04	2.62E-03	-9.60E-04
3.26E+02	4.06E-04	2.98E-03	-1.17E-03
3.26E+02	2.12E-04	3.29E-03	-1.35E-03
3.26E+02	-1.56E-04	3.37E-03	-1.56E-03
3.26E+02	-6.05E-04	3.28E-03	-1.78E-03
3.26E+02	-9.61E-04	3.18E-03	-1.88E-03
3.26E+02	-1.36E-03	3.05E-03	-1.88E-03
3.26E+02	-1.79E-03	2.80E-03	-1.86E-03
3.26E+02	-2.13E-03	2.53E-03	-1.60E-03
3.26E+02	-2.39E-03	2.26E-03	-1.17E-03
3.26E+02	-2.59E-03	1.92E-03	-7.90E-04
3.26E+02	-2.70E-03	1.52E-03	-4.38E-04
3.26E+02	-2.74E-03	1.09E-03	-1.66E-04
3.26E+02	-2.66E-03	6.53E-04	6.87E-06
3.26E+02	-2.49E-03	2.76E-04	1.34E-04
3.26E+02	-2.26E-03	-9.02E-05	1.58E-04
3.26E+02	-1.97E-03	-3.89E-04	1.56E-04
3.26E+02	-1.67E-03	-5.92E-04	1.91E-04
3.26E+02	-1.37E-03	-7.37E-04	1.93E-04
3.26E+02	-1.11E-03	-8.07E-04	2.21E-04
3.26E+02	-8.76E-04	-8.13E-04	2.51E-04
3.26E+02	-6.29E-04	-7.35E-04	2.26E-04
3.26E+02	-3.86E-04	-5.81E-04	1.35E-04
3.26E+02	-1.28E-04	-4.07E-04	-7.92E-05
3.26E+02	1.80E-04	-1.69E-04	-2.80E-04
3.26E+02	5.20E-04	1.17E-04	-4.32E-04
3.26E+02	8.97E-04	3.86E-04	-5.83E-04
3.26E+02	1.22E-03	6.36E-04	-5.99E-04
3.26E+02	1.46E-03	8.19E-04	-5.28E-04
3.26E+02	1.71E-03	9.28E-04	-4.33E-04
3.26E+02	1.89E-03	9.82E-04	-2.74E-04
3.26E+02	1.99E-03	9.73E-04	-1.37E-04
3.26E+02	2.04E-03	9.51E-04	1.53E-06
3.26E+02	2.07E-03	9.46E-04	1.38E-04
3.26E+02	2.10E-03	9.73E-04	1.48E-04
3.26E+02	2.08E-03	1.06E-03	8.83E-05
3.26E+02	1.98E-03	1.15E-03	1.37E-05
3.26E+02	1.91E-03	1.23E-03	-2.08E-05
3.26E+02	1.79E-03	1.29E-03	8.01E-05
3.26E+02	1.58E-03	1.24E-03	1.98E-04
3.26E+02	1.37E-03	1.11E-03	2.86E-04
3.26E+02	1.17E-03	9.48E-04	4.13E-04

3.26E+02	9.65E-04	7.35E-04	5.06E-04
3.26E+02	7.59E-04	4.92E-04	5.63E-04
3.26E+02	5.52E-04	2.09E-04	5.86E-04
3.26E+02	4.33E-04	-1.03E-04	5.53E-04
3.26E+02	3.50E-04	-3.80E-04	5.29E-04
3.26E+02	2.59E-04	-7.11E-04	4.47E-04
3.26E+02	2.01E-04	-1.08E-03	3.29E-04
3.26E+02	1.33E-04	-1.39E-03	2.80E-04
3.26E+02	7.95E-05	-1.67E-03	2.52E-04
3.26E+02	-5.15E-06	-1.89E-03	2.15E-04
3.26E+02	-1.53E-04	-2.07E-03	1.26E-04
3.26E+02	-2.58E-04	-2.17E-03	3.47E-05
3.26E+02	-3.70E-04	-2.17E-03	4.01E-05
3.26E+02	-4.97E-04	-2.22E-03	-8.20E-06
3.26E+02	-5.48E-04	-2.28E-03	-1.17E-04
3.26E+02	-5.40E-04	-2.32E-03	-1.62E-04
3.26E+02	-4.60E-04	-2.34E-03	-2.57E-04
3.26E+02	-3.26E-04	-2.29E-03	-4.74E-04
3.26E+02	-1.83E-04	-2.17E-03	-7.52E-04
3.26E+02	5.04E-05	-1.92E-03	-9.84E-04
3.26E+02	3.11E-04	-1.54E-03	-1.12E-03
3.27E+02	4.67E-04	-1.21E-03	-1.28E-03
3.27E+02	5.56E-04	-9.12E-04	-1.36E-03
3.27E+02	6.20E-04	-5.87E-04	-1.32E-03
3.27E+02	6.55E-04	-3.10E-04	-1.35E-03
3.27E+02	6.20E-04	-1.09E-04	-1.39E-03
3.27E+02	5.49E-04	6.69E-05	-1.29E-03
3.27E+02	5.35E-04	2.41E-04	-1.14E-03
3.27E+02	5.61E-04	4.14E-04	-9.44E-04
3.27E+02	6.10E-04	5.72E-04	-7.58E-04
3.27E+02	7.05E-04	7.12E-04	-6.48E-04
3.27E+02	8.18E-04	8.90E-04	-5.27E-04
3.27E+02	9.30E-04	1.05E-03	-4.33E-04
3.27E+02	1.01E-03	1.15E-03	-3.52E-04
3.27E+02	1.00E-03	1.21E-03	-1.85E-04
3.27E+02	9.47E-04	1.22E-03	4.96E-05
3.27E+02	8.72E-04	1.23E-03	3.15E-04
3.27E+02	6.93E-04	1.24E-03	5.59E-04
3.27E+02	4.37E-04	1.24E-03	7.45E-04
3.27E+02	1.75E-04	1.29E-03	9.24E-04
3.27E+02	-6.68E-05	1.35E-03	1.03E-03
3.27E+02	-2.83E-04	1.38E-03	9.77E-04
3.27E+02	-4.84E-04	1.40E-03	8.53E-04
3.27E+02	-5.93E-04	1.39E-03	6.69E-04
3.27E+02	-6.11E-04	1.35E-03	4.91E-04
3.27E+02	-6.15E-04	1.25E-03	3.10E-04
3.27E+02	-5.65E-04	1.08E-03	6.31E-05

3.27E+02	-4.46E-04	8.91E-04	-1.17E-04
3.27E+02	-2.99E-04	6.95E-04	-2.41E-04
3.27E+02	-1.79E-04	5.16E-04	-3.91E-04
3.27E+02	-1.31E-04	3.54E-04	-5.75E-04
3.27E+02	-9.46E-05	2.21E-04	-8.50E-04
3.27E+02	-8.13E-05	1.45E-04	-1.12E-03
3.27E+02	-1.53E-04	1.14E-04	-1.36E-03
3.27E+02	-2.36E-04	1.26E-04	-1.61E-03
3.27E+02	-2.68E-04	2.32E-04	-1.69E-03
3.27E+02	-2.37E-04	3.81E-04	-1.66E-03
3.27E+02	-1.57E-04	4.75E-04	-1.60E-03
3.27E+02	-7.40E-05	5.17E-04	-1.43E-03
3.27E+02	6.01E-05	5.18E-04	-1.17E-03
3.27E+02	2.48E-04	4.93E-04	-8.64E-04
3.27E+02	4.17E-04	4.24E-04	-5.73E-04
3.27E+02	5.89E-04	2.75E-04	-3.22E-04
3.27E+02	7.80E-04	9.38E-05	4.43E-05
3.27E+02	9.73E-04	-1.21E-04	4.96E-04
3.27E+02	1.16E-03	-4.05E-04	8.94E-04
3.27E+02	1.27E-03	-7.35E-04	1.24E-03
3.27E+02	1.34E-03	-1.08E-03	1.50E-03
3.27E+02	1.43E-03	-1.40E-03	1.66E-03
3.27E+02	1.48E-03	-1.71E-03	1.74E-03
3.27E+02	1.51E-03	-2.05E-03	1.69E-03
3.27E+02	1.56E-03	-2.33E-03	1.67E-03
3.27E+02	1.64E-03	-2.54E-03	1.69E-03
3.27E+02	1.69E-03	-2.74E-03	1.63E-03
3.27E+02	1.68E-03	-2.85E-03	1.56E-03
3.27E+02	1.63E-03	-2.87E-03	1.41E-03
3.27E+02	1.55E-03	-2.83E-03	1.16E-03
3.27E+02	1.39E-03	-2.71E-03	9.32E-04
3.27E+02	1.19E-03	-2.56E-03	7.09E-04
3.27E+02	9.90E-04	-2.37E-03	6.11E-04
3.27E+02	7.68E-04	-2.15E-03	6.42E-04
3.27E+02	5.18E-04	-1.93E-03	6.09E-04
3.27E+02	2.13E-04	-1.66E-03	5.31E-04
3.27E+02	-5.82E-05	-1.33E-03	4.20E-04
3.27E+02	-1.78E-04	-9.21E-04	3.43E-04
3.27E+02	-2.74E-04	-5.00E-04	2.96E-04
3.27E+02	-3.56E-04	-1.39E-04	2.26E-04
3.27E+02	-3.33E-04	2.53E-04	2.65E-04
3.27E+02	-2.64E-04	6.04E-04	2.94E-04
3.27E+02	-2.06E-04	8.06E-04	2.38E-04
3.27E+02	-2.09E-04	9.30E-04	1.65E-04
3.27E+02	-2.14E-04	9.98E-04	-1.20E-04
3.27E+02	-1.67E-04	1.06E-03	-5.44E-04
3.27E+02	-1.53E-04	1.17E-03	-9.36E-04

3.27E+02	-1.36E-04	1.32E-03	-1.37E-03
3.27E+02	-8.07E-05	1.49E-03	-1.75E-03
3.27E+02	-5.74E-05	1.65E-03	-2.05E-03
3.27E+02	-5.89E-05	1.74E-03	-2.22E-03
3.27E+02	-1.40E-04	1.70E-03	-2.22E-03
3.27E+02	-2.84E-04	1.52E-03	-2.10E-03
3.27E+02	-3.33E-04	1.27E-03	-1.87E-03
3.27E+02	-3.38E-04	1.00E-03	-1.52E-03
3.27E+02	-3.34E-04	7.42E-04	-1.14E-03
3.27E+02	-2.32E-04	5.65E-04	-7.31E-04
3.27E+02	-4.94E-05	5.07E-04	-2.72E-04
3.27E+02	2.06E-04	4.96E-04	1.06E-04
3.27E+02	4.60E-04	5.19E-04	3.92E-04
3.27E+02	6.37E-04	5.47E-04	6.12E-04
3.27E+02	7.75E-04	5.44E-04	7.42E-04
3.27E+02	7.93E-04	5.04E-04	8.31E-04
3.27E+02	6.40E-04	3.75E-04	8.22E-04
3.27E+02	3.80E-04	1.81E-04	7.75E-04
3.27E+02	3.41E-05	-1.62E-05	8.18E-04
3.27E+02	-3.37E-04	-2.11E-04	8.72E-04
3.27E+02	-7.11E-04	-3.77E-04	9.00E-04
3.27E+02	-1.04E-03	-5.02E-04	8.58E-04
3.27E+02	-1.21E-03	-5.68E-04	6.95E-04
3.27E+02	-1.25E-03	-5.83E-04	4.01E-04
3.27E+02	-1.20E-03	-5.93E-04	-9.65E-05
3.27E+02	-1.02E-03	-5.70E-04	-6.68E-04
3.27E+02	-7.40E-04	-4.82E-04	-1.14E-03
3.27E+02	-4.17E-04	-3.87E-04	-1.56E-03
3.27E+02	-1.18E-04	-3.08E-04	-1.90E-03
3.27E+02	1.20E-04	-2.52E-04	-2.04E-03
3.27E+02	3.33E-04	-2.22E-04	-1.95E-03
3.27E+02	4.61E-04	-2.08E-04	-1.67E-03
3.27E+02	4.91E-04	-2.75E-04	-1.32E-03
3.27E+02	4.85E-04	-3.74E-04	-9.51E-04
3.27E+02	4.23E-04	-4.46E-04	-5.96E-04
3.27E+02	3.37E-04	-5.35E-04	-3.67E-04
3.27E+02	2.19E-04	-6.31E-04	-2.29E-04
3.27E+02	4.75E-05	-7.51E-04	-1.23E-04
3.27E+02	-7.74E-05	-8.20E-04	-4.04E-05
3.27E+02	-1.65E-04	-7.81E-04	6.24E-05
3.27E+02	-2.31E-04	-7.03E-04	1.25E-04
3.27E+02	-2.49E-04	-5.67E-04	1.63E-04
3.27E+02	-2.05E-04	-3.89E-04	2.55E-04
3.27E+02	-8.66E-05	-2.15E-04	3.27E-04
3.27E+02	1.66E-05	-5.17E-05	3.95E-04
3.27E+02	8.01E-05	5.87E-05	5.44E-04
3.27E+02	1.58E-04	1.82E-04	6.95E-04

3.27E+02	2.11E-04	3.31E-04	7.74E-04
3.27E+02	1.98E-04	3.79E-04	7.28E-04
3.27E+02	1.93E-04	3.97E-04	6.62E-04
3.27E+02	2.09E-04	4.88E-04	8.18E-04
3.27E+02	2.47E-04	5.92E-04	1.06E-03
3.27E+02	3.91E-04	6.39E-04	1.21E-03
3.27E+02	5.60E-04	6.38E-04	1.35E-03
3.27E+02	7.47E-04	6.53E-04	1.42E-03
3.27E+02	1.03E-03	6.44E-04	1.29E-03
3.27E+02	1.31E-03	5.70E-04	9.92E-04
3.27E+02	1.54E-03	4.96E-04	6.72E-04
3.27E+02	1.77E-03	4.49E-04	4.82E-04
3.27E+02	2.03E-03	3.64E-04	2.50E-04
3.27E+02	2.24E-03	2.26E-04	-7.82E-05
3.27E+02	2.34E-03	1.05E-04	-3.49E-04
3.27E+02	2.38E-03	2.27E-05	-5.94E-04
3.27E+02	2.38E-03	-3.70E-05	-7.36E-04
3.27E+02	2.27E-03	-1.19E-04	-8.38E-04
3.27E+02	2.07E-03	-2.58E-04	-9.71E-04
3.27E+02	1.81E-03	-3.88E-04	-8.94E-04
3.27E+02	1.50E-03	-5.29E-04	-7.07E-04
3.27E+02	1.16E-03	-7.03E-04	-5.10E-04
3.27E+02	7.76E-04	-7.81E-04	-1.92E-04
3.27E+02	3.99E-04	-7.58E-04	1.13E-04
3.27E+02	7.29E-05	-6.35E-04	3.50E-04
3.27E+02	-2.87E-04	-3.97E-04	4.92E-04
3.27E+02	-6.48E-04	-1.05E-04	5.38E-04
3.27E+02	-9.97E-04	2.43E-04	5.99E-04
3.27E+02	-1.40E-03	5.84E-04	5.91E-04
3.27E+02	-1.87E-03	8.19E-04	4.68E-04
3.27E+02	-2.43E-03	9.58E-04	3.37E-04
3.27E+02	-2.97E-03	1.06E-03	2.56E-04
3.27E+02	-3.44E-03	1.13E-03	2.98E-04
3.27E+02	-3.85E-03	1.14E-03	4.51E-04
3.27E+02	-4.15E-03	1.07E-03	6.12E-04
3.27E+02	-4.34E-03	9.61E-04	7.54E-04
3.27E+02	-4.41E-03	8.30E-04	8.02E-04
3.27E+02	-4.36E-03	6.93E-04	6.80E-04
3.27E+02	-4.24E-03	5.74E-04	4.45E-04
3.27E+02	-4.01E-03	4.74E-04	1.56E-04
3.27E+02	-3.64E-03	4.12E-04	-1.01E-04
3.27E+02	-3.22E-03	3.60E-04	-2.71E-04
3.27E+02	-2.77E-03	2.45E-04	-3.77E-04
3.27E+02	-2.29E-03	1.02E-04	-3.64E-04
3.27E+02	-1.83E-03	-9.23E-05	-3.08E-04
3.27E+02	-1.43E-03	-3.77E-04	-3.71E-04
3.27E+02	-1.12E-03	-7.02E-04	-4.80E-04

3.27E+02	-8.59E-04	-1.04E-03	-5.77E-04
3.27E+02	-5.96E-04	-1.34E-03	-6.62E-04
3.27E+02	-3.81E-04	-1.59E-03	-6.90E-04
3.27E+02	-1.99E-04	-1.89E-03	-6.78E-04
3.27E+02	1.53E-06	-2.15E-03	-4.72E-04
3.27E+02	2.17E-04	-2.33E-03	-7.06E-05
3.27E+02	4.37E-04	-2.45E-03	3.05E-04
3.27E+02	6.19E-04	-2.49E-03	6.96E-04
3.27E+02	8.22E-04	-2.41E-03	1.10E-03
3.27E+02	1.10E-03	-2.21E-03	1.41E-03
3.27E+02	1.36E-03	-1.92E-03	1.59E-03
3.27E+02	1.58E-03	-1.53E-03	1.61E-03
3.27E+02	1.83E-03	-9.92E-04	1.61E-03
3.27E+02	2.09E-03	-4.17E-04	1.59E-03
3.27E+02	2.34E-03	4.29E-05	1.45E-03
3.27E+02	2.58E-03	3.91E-04	1.28E-03
3.27E+02	2.81E-03	7.31E-04	1.10E-03
3.27E+02	3.07E-03	1.06E-03	8.59E-04
3.27E+02	3.33E-03	1.28E-03	5.17E-04
3.27E+02	3.55E-03	1.38E-03	1.34E-04
3.27E+02	3.75E-03	1.48E-03	-1.07E-04
3.27E+02	3.94E-03	1.56E-03	-1.89E-04
3.27E+02	4.07E-03	1.53E-03	-2.25E-04
3.27E+02	4.06E-03	1.40E-03	-1.43E-04
3.27E+02	3.92E-03	1.22E-03	4.63E-05
3.27E+02	3.79E-03	1.01E-03	2.21E-04
3.27E+02	3.62E-03	8.18E-04	4.03E-04
3.27E+02	3.29E-03	6.11E-04	5.26E-04
3.27E+02	2.89E-03	4.13E-04	6.00E-04
3.27E+02	2.46E-03	2.81E-04	6.72E-04
3.27E+02	1.98E-03	1.60E-04	6.61E-04
3.27E+02	1.41E-03	4.22E-05	6.38E-04
3.27E+02	8.33E-04	-9.08E-05	6.52E-04
3.28E+02	3.00E-04	-2.68E-04	6.92E-04
3.28E+02	-2.22E-04	-5.13E-04	6.76E-04
3.28E+02	-6.67E-04	-8.57E-04	5.10E-04
3.28E+02	-9.87E-04	-1.22E-03	3.67E-04
3.28E+02	-1.18E-03	-1.55E-03	2.72E-04
3.28E+02	-1.25E-03	-1.89E-03	5.28E-05
3.28E+02	-1.30E-03	-2.19E-03	-1.96E-04
3.28E+02	-1.33E-03	-2.44E-03	-4.44E-04
3.28E+02	-1.27E-03	-2.57E-03	-7.68E-04
3.28E+02	-1.20E-03	-2.58E-03	-1.13E-03
3.28E+02	-1.17E-03	-2.47E-03	-1.54E-03
3.28E+02	-1.11E-03	-2.25E-03	-1.88E-03
3.28E+02	-1.04E-03	-1.93E-03	-2.02E-03
3.28E+02	-9.60E-04	-1.59E-03	-2.04E-03

3.28E+02	-9.31E-04	-1.27E-03	-1.89E-03
3.28E+02	-9.79E-04	-9.63E-04	-1.60E-03
3.28E+02	-1.06E-03	-6.28E-04	-1.26E-03
3.28E+02	-1.18E-03	-2.97E-04	-9.31E-04
3.28E+02	-1.35E-03	-6.29E-06	-6.39E-04
3.28E+02	-1.49E-03	2.83E-04	-3.53E-04
3.28E+02	-1.56E-03	5.89E-04	-1.34E-05
3.28E+02	-1.57E-03	8.59E-04	3.43E-04
3.28E+02	-1.57E-03	1.05E-03	7.03E-04
3.28E+02	-1.57E-03	1.14E-03	1.05E-03
3.28E+02	-1.48E-03	1.12E-03	1.34E-03
3.28E+02	-1.35E-03	1.02E-03	1.60E-03
3.28E+02	-1.22E-03	8.27E-04	1.71E-03
3.28E+02	-1.08E-03	5.18E-04	1.60E-03
3.28E+02	-9.41E-04	1.68E-04	1.44E-03
3.28E+02	-7.88E-04	-1.92E-04	1.20E-03
3.28E+02	-7.02E-04	-5.54E-04	9.22E-04
3.28E+02	-6.82E-04	-8.76E-04	6.80E-04
3.28E+02	-6.66E-04	-1.15E-03	4.46E-04
3.28E+02	-6.57E-04	-1.35E-03	2.30E-04
3.28E+02	-6.44E-04	-1.55E-03	-1.37E-05
3.28E+02	-5.89E-04	-1.69E-03	-1.99E-04
3.28E+02	-4.92E-04	-1.67E-03	-2.29E-04
3.28E+02	-3.51E-04	-1.57E-03	-2.92E-04
3.28E+02	-1.87E-04	-1.42E-03	-3.57E-04
3.28E+02	-4.77E-05	-1.19E-03	-3.13E-04
3.28E+02	1.20E-04	-9.00E-04	-2.03E-04
3.28E+02	3.20E-04	-5.46E-04	-3.81E-06
3.28E+02	4.56E-04	-2.47E-04	1.17E-04
3.28E+02	5.55E-04	-4.12E-05	1.87E-04
3.28E+02	6.82E-04	1.64E-04	3.52E-04
3.28E+02	8.42E-04	3.49E-04	4.42E-04
3.28E+02	1.00E-03	4.65E-04	4.72E-04
3.28E+02	1.18E-03	5.11E-04	6.23E-04
3.28E+02	1.39E-03	5.54E-04	9.43E-04
3.28E+02	1.54E-03	6.00E-04	1.27E-03
3.28E+02	1.62E-03	5.75E-04	1.35E-03
3.28E+02	1.69E-03	4.81E-04	1.20E-03
3.28E+02	1.74E-03	3.50E-04	9.51E-04
3.28E+02	1.79E-03	2.25E-04	5.91E-04
3.28E+02	1.85E-03	1.63E-04	1.29E-04
3.28E+02	1.90E-03	1.60E-04	-3.76E-04
3.28E+02	1.96E-03	1.93E-04	-8.55E-04
3.28E+02	2.08E-03	2.45E-04	-1.21E-03
3.28E+02	2.19E-03	2.51E-04	-1.45E-03
3.28E+02	2.25E-03	2.21E-04	-1.61E-03
3.28E+02	2.29E-03	1.98E-04	-1.67E-03

3.28E+02	2.32E-03	1.79E-04	-1.70E-03
3.28E+02	2.33E-03	2.08E-04	-1.71E-03
3.28E+02	2.31E-03	2.88E-04	-1.68E-03
3.28E+02	2.31E-03	3.93E-04	-1.74E-03
3.28E+02	2.32E-03	5.33E-04	-1.81E-03
3.28E+02	2.28E-03	6.37E-04	-1.75E-03
3.28E+02	2.25E-03	6.90E-04	-1.50E-03
3.28E+02	2.27E-03	7.46E-04	-1.02E-03
3.28E+02	2.30E-03	7.48E-04	-4.93E-04
3.28E+02	2.29E-03	6.64E-04	-6.45E-05
3.28E+02	2.20E-03	5.26E-04	2.96E-04
3.28E+02	2.08E-03	3.94E-04	5.76E-04
3.28E+02	1.94E-03	3.55E-04	7.88E-04
3.28E+02	1.73E-03	4.07E-04	8.81E-04
3.28E+02	1.49E-03	5.49E-04	8.04E-04
3.28E+02	1.26E-03	7.72E-04	6.91E-04
3.28E+02	1.05E-03	9.93E-04	5.13E-04
3.28E+02	8.63E-04	1.18E-03	2.42E-04
3.28E+02	6.27E-04	1.32E-03	4.08E-05
3.28E+02	3.72E-04	1.39E-03	-8.32E-05
3.28E+02	1.18E-04	1.39E-03	-1.70E-04
3.28E+02	-2.02E-04	1.32E-03	-2.68E-04
3.28E+02	-5.37E-04	1.19E-03	-4.42E-04
3.28E+02	-8.49E-04	1.05E-03	-6.47E-04
3.28E+02	-1.16E-03	8.76E-04	-9.00E-04
3.28E+02	-1.49E-03	6.40E-04	-1.24E-03
3.28E+02	-1.82E-03	4.13E-04	-1.55E-03
3.28E+02	-2.03E-03	2.37E-04	-1.78E-03
3.28E+02	-2.11E-03	1.02E-04	-1.97E-03
3.28E+02	-2.13E-03	-1.91E-07	-2.09E-03
3.28E+02	-2.10E-03	-5.86E-05	-2.12E-03
3.28E+02	-2.00E-03	-3.60E-05	-2.04E-03
3.28E+02	-1.85E-03	1.77E-05	-1.95E-03
3.28E+02	-1.66E-03	6.39E-05	-1.89E-03
3.28E+02	-1.51E-03	1.33E-04	-1.73E-03
3.28E+02	-1.34E-03	2.10E-04	-1.49E-03
3.28E+02	-1.16E-03	2.92E-04	-1.16E-03
3.28E+02	-1.09E-03	3.25E-04	-8.03E-04
3.28E+02	-1.08E-03	2.47E-04	-5.47E-04
3.28E+02	-1.11E-03	1.08E-04	-2.29E-04
3.28E+02	-1.20E-03	-8.09E-05	1.31E-04
3.28E+02	-1.33E-03	-3.25E-04	4.10E-04
3.28E+02	-1.52E-03	-5.50E-04	6.69E-04
3.28E+02	-1.69E-03	-7.40E-04	8.24E-04
3.28E+02	-1.79E-03	-8.90E-04	8.30E-04
3.28E+02	-1.82E-03	-9.83E-04	7.67E-04
3.28E+02	-1.76E-03	-1.05E-03	6.25E-04

3.28E+02	-1.60E-03	-1.04E-03	4.99E-04
3.28E+02	-1.35E-03	-9.28E-04	4.16E-04
3.28E+02	-1.05E-03	-7.73E-04	2.76E-04
3.28E+02	-7.74E-04	-6.21E-04	1.15E-04
3.28E+02	-5.37E-04	-4.93E-04	-8.26E-05
3.28E+02	-3.34E-04	-3.77E-04	-2.93E-04
3.28E+02	-2.18E-04	-2.58E-04	-4.39E-04
3.28E+02	-1.40E-04	-1.47E-04	-5.35E-04
3.28E+02	-2.84E-05	-2.04E-05	-5.14E-04
3.28E+02	1.67E-04	1.52E-04	-3.73E-04
3.28E+02	4.16E-04	3.65E-04	-1.38E-04
3.28E+02	5.85E-04	6.19E-04	2.02E-04
3.28E+02	7.03E-04	8.73E-04	5.54E-04
3.28E+02	8.34E-04	1.13E-03	9.12E-04
3.28E+02	9.01E-04	1.39E-03	1.22E-03
3.28E+02	8.75E-04	1.59E-03	1.36E-03
3.28E+02	7.81E-04	1.77E-03	1.42E-03
3.28E+02	6.20E-04	1.92E-03	1.46E-03
3.28E+02	4.00E-04	1.97E-03	1.51E-03
3.28E+02	1.31E-04	1.98E-03	1.66E-03
3.28E+02	-1.52E-04	1.93E-03	1.89E-03
3.28E+02	-3.94E-04	1.83E-03	2.10E-03
3.28E+02	-6.52E-04	1.65E-03	2.19E-03
3.28E+02	-9.50E-04	1.33E-03	1.97E-03
3.28E+02	-1.20E-03	9.55E-04	1.59E-03
3.28E+02	-1.42E-03	5.68E-04	1.19E-03
3.28E+02	-1.61E-03	1.99E-04	8.21E-04
3.28E+02	-1.77E-03	-9.98E-05	4.91E-04
3.28E+02	-1.94E-03	-3.54E-04	1.06E-04
3.28E+02	-2.09E-03	-4.99E-04	-3.04E-04
3.28E+02	-2.24E-03	-5.60E-04	-6.99E-04
3.28E+02	-2.41E-03	-6.14E-04	-1.12E-03
3.28E+02	-2.52E-03	-6.07E-04	-1.45E-03
3.28E+02	-2.56E-03	-5.51E-04	-1.66E-03
3.28E+02	-2.52E-03	-4.80E-04	-1.82E-03
3.28E+02	-2.43E-03	-3.69E-04	-1.82E-03
3.28E+02	-2.29E-03	-2.27E-04	-1.58E-03
3.28E+02	-2.04E-03	-4.69E-05	-1.15E-03
3.28E+02	-1.73E-03	1.41E-04	-7.06E-04
3.28E+02	-1.38E-03	2.41E-04	-3.93E-04
3.28E+02	-9.67E-04	2.89E-04	-1.30E-04
3.28E+02	-4.68E-04	3.40E-04	2.10E-04
3.28E+02	7.38E-05	3.88E-04	6.32E-04
3.28E+02	5.37E-04	4.60E-04	1.12E-03
3.28E+02	9.02E-04	5.34E-04	1.56E-03
3.28E+02	1.25E-03	6.20E-04	1.85E-03
3.28E+02	1.50E-03	7.21E-04	1.96E-03

3.28E+02	1.63E-03	8.05E-04	1.84E-03
3.28E+02	1.73E-03	9.24E-04	1.57E-03
3.28E+02	1.78E-03	1.04E-03	1.17E-03
3.28E+02	1.80E-03	1.11E-03	5.66E-04
3.28E+02	1.72E-03	1.14E-03	-7.78E-05
3.28E+02	1.54E-03	1.13E-03	-6.66E-04
3.28E+02	1.33E-03	1.11E-03	-1.15E-03
3.28E+02	1.06E-03	1.07E-03	-1.44E-03
3.28E+02	7.60E-04	1.00E-03	-1.64E-03
3.28E+02	5.13E-04	9.76E-04	-1.69E-03
3.28E+02	3.50E-04	1.03E-03	-1.54E-03
3.28E+02	3.07E-04	1.14E-03	-1.36E-03
3.28E+02	3.06E-04	1.28E-03	-1.16E-03
3.28E+02	3.06E-04	1.44E-03	-9.93E-04
3.28E+02	3.56E-04	1.57E-03	-8.71E-04
3.28E+02	4.13E-04	1.65E-03	-7.15E-04
3.28E+02	4.09E-04	1.63E-03	-5.67E-04
3.28E+02	3.72E-04	1.45E-03	-3.30E-04
3.28E+02	3.07E-04	1.18E-03	1.13E-04
3.28E+02	1.77E-04	7.61E-04	5.90E-04
3.28E+02	2.46E-05	2.17E-04	9.45E-04
3.28E+02	-1.23E-04	-3.19E-04	1.21E-03
3.28E+02	-2.18E-04	-7.80E-04	1.41E-03
3.28E+02	-2.61E-04	-1.13E-03	1.54E-03
3.28E+02	-2.82E-04	-1.46E-03	1.49E-03
3.28E+02	-2.37E-04	-1.76E-03	1.33E-03
3.28E+02	-1.96E-04	-1.98E-03	1.21E-03
3.28E+02	-1.90E-04	-2.14E-03	1.03E-03
3.28E+02	-2.09E-04	-2.21E-03	7.88E-04
3.28E+02	-2.58E-04	-2.17E-03	5.40E-04
3.28E+02	-2.57E-04	-1.99E-03	2.38E-04
3.28E+02	-2.33E-04	-1.63E-03	-8.91E-05
3.28E+02	-2.13E-04	-1.16E-03	-5.12E-04
3.28E+02	-1.18E-04	-6.34E-04	-9.09E-04
3.28E+02	9.10E-05	-4.90E-05	-1.12E-03
3.28E+02	4.19E-04	4.57E-04	-1.31E-03
3.28E+02	7.89E-04	8.12E-04	-1.48E-03
3.28E+02	1.14E-03	1.04E-03	-1.51E-03
3.28E+02	1.50E-03	1.16E-03	-1.50E-03
3.28E+02	1.82E-03	1.22E-03	-1.39E-03
3.28E+02	2.03E-03	1.20E-03	-1.18E-03
3.28E+02	2.11E-03	1.13E-03	-8.77E-04
3.28E+02	2.07E-03	1.09E-03	-4.07E-04
3.28E+02	1.90E-03	1.03E-03	5.26E-05
3.28E+02	1.57E-03	8.84E-04	3.59E-04
3.29E+02	1.12E-03	6.86E-04	5.95E-04
3.29E+02	6.50E-04	4.51E-04	8.02E-04

3.29E+02	1.89E-04	1.98E-04	1.03E-03
3.29E+02	-3.07E-04	-5.05E-05	1.22E-03
3.29E+02	-8.24E-04	-2.37E-04	1.27E-03
3.29E+02	-1.30E-03	-2.83E-04	1.24E-03
3.29E+02	-1.69E-03	-2.49E-04	1.09E-03
3.29E+02	-1.95E-03	-1.91E-04	8.36E-04
3.29E+02	-2.08E-03	-1.06E-04	5.74E-04
3.29E+02	-2.03E-03	-2.67E-05	3.41E-04
3.29E+02	-1.80E-03	5.61E-05	2.44E-04
3.29E+02	-1.42E-03	1.21E-04	2.69E-04
3.29E+02	-9.12E-04	1.58E-04	3.60E-04
3.29E+02	-3.24E-04	2.19E-04	5.48E-04
3.29E+02	2.75E-04	3.18E-04	6.41E-04
3.29E+02	8.05E-04	4.67E-04	5.24E-04
3.29E+02	1.18E-03	6.62E-04	2.93E-04
3.29E+02	1.43E-03	8.87E-04	-1.24E-05
3.29E+02	1.57E-03	1.15E-03	-2.80E-04
3.29E+02	1.55E-03	1.38E-03	-4.58E-04
3.29E+02	1.37E-03	1.50E-03	-5.50E-04
3.29E+02	1.10E-03	1.51E-03	-4.80E-04
3.29E+02	7.44E-04	1.40E-03	-3.72E-04
3.29E+02	3.17E-04	1.21E-03	-3.55E-04
3.29E+02	-1.69E-04	1.02E-03	-4.12E-04
3.29E+02	-6.30E-04	8.57E-04	-5.44E-04
3.29E+02	-1.01E-03	7.68E-04	-6.75E-04
3.29E+02	-1.33E-03	7.42E-04	-8.56E-04
3.29E+02	-1.54E-03	7.34E-04	-1.14E-03
3.29E+02	-1.63E-03	7.45E-04	-1.31E-03
3.29E+02	-1.65E-03	6.75E-04	-1.39E-03
3.29E+02	-1.63E-03	4.34E-04	-1.52E-03
3.29E+02	-1.58E-03	8.74E-05	-1.71E-03
3.29E+02	-1.48E-03	-2.87E-04	-1.94E-03
3.29E+02	-1.28E-03	-6.43E-04	-2.07E-03
3.29E+02	-1.04E-03	-9.76E-04	-2.06E-03
3.29E+02	-7.74E-04	-1.26E-03	-1.92E-03
3.29E+02	-4.77E-04	-1.44E-03	-1.57E-03
3.29E+02	-1.54E-04	-1.61E-03	-1.11E-03
3.29E+02	2.01E-04	-1.82E-03	-7.04E-04
3.29E+02	5.61E-04	-2.02E-03	-3.38E-04
3.29E+02	9.25E-04	-2.23E-03	-1.47E-05
3.29E+02	1.30E-03	-2.42E-03	2.45E-04
3.29E+02	1.59E-03	-2.62E-03	4.64E-04
3.29E+02	1.76E-03	-2.81E-03	6.46E-04
3.29E+02	1.84E-03	-2.90E-03	9.33E-04
3.29E+02	1.83E-03	-2.84E-03	1.30E-03
3.29E+02	1.75E-03	-2.65E-03	1.53E-03
3.29E+02	1.60E-03	-2.31E-03	1.65E-03

3.29E+02	1.43E-03	-1.83E-03	1.59E-03
3.29E+02	1.33E-03	-1.21E-03	1.34E-03
3.29E+02	1.26E-03	-4.90E-04	1.02E-03
3.29E+02	1.23E-03	1.98E-04	6.09E-04
3.29E+02	1.30E-03	8.30E-04	2.93E-04
3.29E+02	1.39E-03	1.35E-03	9.98E-05
3.29E+02	1.45E-03	1.70E-03	-1.00E-04
3.29E+02	1.46E-03	1.95E-03	-1.72E-04
3.29E+02	1.45E-03	2.07E-03	-1.58E-04
3.29E+02	1.49E-03	2.08E-03	-1.22E-04
3.29E+02	1.47E-03	2.00E-03	-4.65E-05
3.29E+02	1.34E-03	1.80E-03	-3.15E-05
3.29E+02	1.18E-03	1.55E-03	5.47E-05
3.29E+02	9.85E-04	1.29E-03	2.42E-04
3.29E+02	7.16E-04	1.01E-03	3.81E-04
3.29E+02	3.21E-04	7.30E-04	5.04E-04
3.29E+02	-1.95E-04	4.31E-04	5.19E-04
3.29E+02	-7.15E-04	1.26E-04	4.34E-04
3.29E+02	-1.26E-03	-1.60E-04	3.69E-04
3.29E+02	-1.78E-03	-4.47E-04	2.64E-04
3.29E+02	-2.18E-03	-7.13E-04	2.45E-04
3.29E+02	-2.42E-03	-9.09E-04	4.07E-04
3.29E+02	-2.42E-03	-1.05E-03	6.87E-04
3.29E+02	-2.25E-03	-1.19E-03	1.10E-03
3.29E+02	-1.89E-03	-1.30E-03	1.53E-03
3.29E+02	-1.30E-03	-1.39E-03	1.83E-03
3.29E+02	-5.94E-04	-1.46E-03	1.91E-03
3.29E+02	1.83E-04	-1.51E-03	1.69E-03
3.29E+02	9.96E-04	-1.49E-03	1.34E-03
3.29E+02	1.76E-03	-1.41E-03	1.05E-03
3.29E+02	2.38E-03	-1.30E-03	8.67E-04
3.29E+02	2.71E-03	-1.15E-03	8.49E-04
3.29E+02	2.75E-03	-9.49E-04	8.75E-04
3.29E+02	2.53E-03	-7.25E-04	7.71E-04
3.29E+02	2.04E-03	-4.67E-04	5.16E-04
3.29E+02	1.27E-03	-2.25E-04	9.21E-05
3.29E+02	3.62E-04	2.61E-05	-3.40E-04
3.29E+02	-6.06E-04	3.22E-04	-6.41E-04
3.29E+02	-1.56E-03	6.10E-04	-8.36E-04
3.29E+02	-2.44E-03	9.18E-04	-8.15E-04
3.29E+02	-3.19E-03	1.24E-03	-5.61E-04
3.29E+02	-3.71E-03	1.51E-03	-1.81E-04
3.29E+02	-4.04E-03	1.68E-03	2.34E-04
3.29E+02	-4.21E-03	1.74E-03	5.61E-04
3.29E+02	-4.14E-03	1.74E-03	8.39E-04
3.29E+02	-3.85E-03	1.75E-03	1.08E-03
3.29E+02	-3.36E-03	1.78E-03	1.18E-03

3.29E+02	-2.77E-03	1.80E-03	1.18E-03
3.29E+02	-2.11E-03	1.79E-03	1.19E-03
3.29E+02	-1.40E-03	1.69E-03	1.24E-03
3.29E+02	-7.64E-04	1.46E-03	1.26E-03
3.29E+02	-3.08E-04	1.02E-03	1.09E-03
3.29E+02	1.35E-05	4.46E-04	7.19E-04
3.29E+02	1.84E-04	-2.23E-04	2.73E-04
3.29E+02	1.96E-04	-9.46E-04	-2.40E-04
3.29E+02	4.02E-05	-1.62E-03	-7.29E-04
3.29E+02	-3.23E-04	-2.14E-03	-1.09E-03
3.29E+02	-8.13E-04	-2.43E-03	-1.40E-03
3.29E+02	-1.40E-03	-2.52E-03	-1.67E-03
3.29E+02	-2.04E-03	-2.44E-03	-1.89E-03
3.29E+02	-2.60E-03	-2.18E-03	-2.01E-03
3.29E+02	-3.04E-03	-1.79E-03	-1.99E-03
3.29E+02	-3.34E-03	-1.30E-03	-1.90E-03
3.29E+02	-3.49E-03	-7.41E-04	-1.66E-03
3.29E+02	-3.48E-03	-1.54E-04	-1.26E-03
3.29E+02	-3.25E-03	4.35E-04	-7.29E-04
3.29E+02	-2.84E-03	9.09E-04	-1.60E-04
3.29E+02	-2.34E-03	1.21E-03	2.93E-04
3.29E+02	-1.71E-03	1.42E-03	6.63E-04
3.29E+02	-9.91E-04	1.58E-03	9.61E-04
3.29E+02	-2.68E-04	1.67E-03	1.07E-03
3.29E+02	3.72E-04	1.70E-03	1.09E-03
3.29E+02	8.01E-04	1.75E-03	1.17E-03
3.29E+02	1.02E-03	1.81E-03	1.24E-03
3.29E+02	1.00E-03	1.87E-03	1.14E-03
3.29E+02	7.10E-04	1.88E-03	7.75E-04
3.29E+02	2.01E-04	1.81E-03	3.38E-04
3.29E+02	-4.66E-04	1.75E-03	-5.91E-06
3.29E+02	-1.19E-03	1.63E-03	-3.20E-04
3.29E+02	-1.92E-03	1.49E-03	-5.28E-04
3.29E+02	-2.59E-03	1.40E-03	-4.82E-04
3.29E+02	-3.08E-03	1.29E-03	-3.62E-04
3.29E+02	-3.38E-03	1.11E-03	-2.53E-04
3.29E+02	-3.51E-03	8.54E-04	-1.21E-04
3.29E+02	-3.48E-03	5.02E-04	2.65E-05
3.29E+02	-3.26E-03	1.50E-04	2.78E-04
3.29E+02	-2.82E-03	-2.01E-04	5.79E-04
3.29E+02	-2.22E-03	-5.44E-04	9.33E-04
3.29E+02	-1.54E-03	-8.36E-04	1.29E-03
3.29E+02	-7.47E-04	-1.08E-03	1.48E-03
3.29E+02	1.53E-04	-1.26E-03	1.54E-03
3.29E+02	1.08E-03	-1.34E-03	1.48E-03
3.29E+02	2.03E-03	-1.34E-03	1.23E-03
3.29E+02	3.02E-03	-1.19E-03	8.77E-04

3.29E+02	3.99E-03	-9.17E-04	3.46E-04
3.29E+02	4.89E-03	-5.78E-04	-2.76E-04
3.29E+02	5.63E-03	-1.86E-04	-8.12E-04
3.29E+02	6.24E-03	2.00E-04	-1.22E-03
3.29E+02	6.63E-03	5.57E-04	-1.42E-03
3.29E+02	6.67E-03	8.54E-04	-1.47E-03
3.29E+02	6.39E-03	1.03E-03	-1.42E-03
3.29E+02	5.86E-03	1.18E-03	-1.13E-03
3.29E+02	5.07E-03	1.30E-03	-7.30E-04
3.29E+02	4.08E-03	1.35E-03	-3.73E-04
3.29E+02	2.97E-03	1.37E-03	3.32E-05
3.29E+02	1.77E-03	1.31E-03	4.52E-04
3.29E+02	6.43E-04	1.16E-03	7.84E-04
3.29E+02	-3.36E-04	9.12E-04	9.16E-04
3.29E+02	-1.16E-03	5.29E-04	8.19E-04
3.29E+02	-1.65E-03	7.67E-05	5.96E-04
3.29E+02	-1.76E-03	-4.27E-04	3.65E-04
3.29E+02	-1.56E-03	-9.63E-04	1.47E-04
3.29E+02	-1.07E-03	-1.49E-03	-6.87E-06
3.29E+02	-3.56E-04	-1.99E-03	3.81E-07
3.29E+02	5.09E-04	-2.39E-03	8.64E-05
3.29E+02	1.45E-03	-2.71E-03	8.70E-05
3.29E+02	2.39E-03	-2.88E-03	-4.23E-05
3.29E+02	3.31E-03	-2.80E-03	-1.70E-04
3.29E+02	4.16E-03	-2.51E-03	-2.82E-04
3.29E+02	4.82E-03	-2.13E-03	-4.30E-04
3.29E+02	5.20E-03	-1.71E-03	-5.17E-04
3.29E+02	5.27E-03	-1.28E-03	-4.98E-04
3.29E+02	4.98E-03	-8.46E-04	-3.37E-04
3.29E+02	4.34E-03	-4.75E-04	-1.81E-04
3.29E+02	3.35E-03	-1.64E-04	-1.81E-04
3.29E+02	2.10E-03	1.74E-04	-2.49E-04
3.29E+02	6.85E-04	5.68E-04	-3.95E-04
3.29E+02	-8.26E-04	1.01E-03	-5.96E-04
3.29E+02	-2.31E-03	1.44E-03	-7.41E-04
3.29E+02	-3.65E-03	1.79E-03	-7.59E-04
3.29E+02	-4.72E-03	1.99E-03	-5.60E-04
3.29E+02	-5.55E-03	1.99E-03	-1.65E-04
3.29E+02	-6.06E-03	1.79E-03	2.60E-04
3.29E+02	-6.09E-03	1.45E-03	6.27E-04
3.29E+02	-5.71E-03	1.02E-03	8.76E-04
3.29E+02	-4.90E-03	4.87E-04	8.44E-04
3.29E+02	-3.71E-03	-1.43E-04	5.37E-04
3.29E+02	-2.26E-03	-8.23E-04	1.69E-04
3.29E+02	-6.91E-04	-1.45E-03	-7.71E-05
3.29E+02	7.57E-04	-2.11E-03	-2.81E-04
3.29E+02	1.98E-03	-2.85E-03	-6.94E-04

3.29E+02	2.97E-03	-3.45E-03	-1.17E-03
3.29E+02	3.55E-03	-3.84E-03	-1.60E-03
3.29E+02	3.73E-03	-4.06E-03	-2.13E-03
3.29E+02	3.53E-03	-4.02E-03	-2.52E-03
3.29E+02	2.93E-03	-3.74E-03	-2.58E-03
3.29E+02	2.07E-03	-3.29E-03	-2.49E-03
3.29E+02	9.88E-04	-2.83E-03	-2.31E-03
3.29E+02	-2.56E-04	-2.43E-03	-1.91E-03
3.29E+02	-1.52E-03	-2.05E-03	-1.18E-03
3.29E+02	-2.62E-03	-1.74E-03	-3.32E-04
3.30E+02	-3.43E-03	-1.57E-03	3.84E-04
3.30E+02	-3.96E-03	-1.42E-03	1.09E-03
3.30E+02	-4.10E-03	-1.22E-03	1.77E-03
3.30E+02	-3.76E-03	-9.19E-04	2.33E-03
3.30E+02	-3.10E-03	-5.82E-04	2.75E-03
3.30E+02	-2.17E-03	-3.22E-04	2.83E-03
3.30E+02	-1.01E-03	-1.01E-04	2.66E-03
3.30E+02	2.35E-04	8.85E-05	2.34E-03
3.30E+02	1.42E-03	1.76E-04	1.71E-03
3.30E+02	2.47E-03	1.79E-04	8.94E-04
3.30E+02	3.25E-03	5.91E-05	3.15E-05
3.30E+02	3.69E-03	-7.90E-05	-8.37E-04
3.30E+02	3.75E-03	-1.43E-04	-1.55E-03
3.30E+02	3.43E-03	-2.05E-04	-2.08E-03
3.30E+02	2.74E-03	-1.77E-04	-2.23E-03
3.30E+02	1.78E-03	-6.68E-06	-1.99E-03
3.30E+02	6.92E-04	1.94E-04	-1.66E-03
3.30E+02	-4.89E-04	3.80E-04	-1.17E-03
3.30E+02	-1.71E-03	5.40E-04	-4.28E-04
3.30E+02	-2.70E-03	6.12E-04	2.90E-04
3.30E+02	-3.40E-03	5.84E-04	9.08E-04
3.30E+02	-3.86E-03	4.22E-04	1.43E-03
3.30E+02	-3.99E-03	1.36E-04	1.81E-03
3.30E+02	-3.74E-03	-1.85E-04	2.13E-03
3.30E+02	-3.21E-03	-4.82E-04	2.46E-03
3.30E+02	-2.50E-03	-6.97E-04	2.65E-03
3.30E+02	-1.61E-03	-8.57E-04	2.63E-03
3.30E+02	-6.09E-04	-9.11E-04	2.55E-03
3.30E+02	3.36E-04	-8.79E-04	2.29E-03
3.30E+02	1.19E-03	-8.32E-04	1.64E-03
3.30E+02	1.93E-03	-6.90E-04	9.87E-04
3.30E+02	2.41E-03	-5.44E-04	4.04E-04
3.30E+02	2.67E-03	-4.77E-04	-3.89E-04
3.30E+02	2.75E-03	-4.47E-04	-1.13E-03
3.30E+02	2.54E-03	-4.70E-04	-1.77E-03
3.30E+02	2.15E-03	-5.09E-04	-2.45E-03
3.30E+02	1.63E-03	-5.61E-04	-2.93E-03

3.30E+02	9.27E-04	-6.85E-04	-3.15E-03
3.30E+02	1.43E-04	-8.45E-04	-3.05E-03
3.30E+02	-5.63E-04	-9.56E-04	-2.60E-03
3.30E+02	-1.10E-03	-1.02E-03	-1.96E-03
3.30E+02	-1.47E-03	-1.06E-03	-1.15E-03
3.30E+02	-1.67E-03	-1.01E-03	-3.04E-04
3.30E+02	-1.58E-03	-8.39E-04	4.39E-04
3.30E+02	-1.18E-03	-5.20E-04	1.17E-03
3.30E+02	-6.59E-04	-1.59E-04	1.79E-03
3.30E+02	-4.88E-05	1.72E-04	2.21E-03
3.30E+02	5.99E-04	5.00E-04	2.45E-03
3.30E+02	1.20E-03	7.91E-04	2.43E-03
3.30E+02	1.68E-03	1.05E-03	2.16E-03
3.30E+02	1.93E-03	1.29E-03	1.78E-03
3.30E+02	1.98E-03	1.56E-03	1.36E-03
3.30E+02	1.85E-03	1.82E-03	9.47E-04
3.30E+02	1.54E-03	1.93E-03	4.47E-04
3.30E+02	1.14E-03	1.88E-03	-1.38E-04
3.30E+02	6.46E-04	1.62E-03	-6.44E-04
3.30E+02	7.00E-05	1.15E-03	-1.03E-03
3.30E+02	-5.30E-04	5.52E-04	-1.32E-03
3.30E+02	-1.05E-03	-5.65E-05	-1.52E-03
3.30E+02	-1.42E-03	-5.56E-04	-1.60E-03
3.30E+02	-1.63E-03	-9.43E-04	-1.50E-03
3.30E+02	-1.64E-03	-1.20E-03	-1.40E-03
3.30E+02	-1.41E-03	-1.36E-03	-1.40E-03
3.30E+02	-9.95E-04	-1.46E-03	-1.29E-03
3.30E+02	-4.02E-04	-1.49E-03	-1.07E-03
3.30E+02	3.31E-04	-1.53E-03	-7.06E-04
3.30E+02	1.04E-03	-1.52E-03	-1.99E-04
3.30E+02	1.70E-03	-1.45E-03	3.53E-04
3.30E+02	2.20E-03	-1.30E-03	8.67E-04
3.30E+02	2.42E-03	-1.06E-03	1.18E-03
3.30E+02	2.40E-03	-6.84E-04	1.27E-03
3.30E+02	2.12E-03	-9.02E-05	1.26E-03
3.30E+02	1.56E-03	6.34E-04	1.10E-03
3.30E+02	8.55E-04	1.46E-03	8.30E-04
3.30E+02	7.44E-05	2.32E-03	4.59E-04
3.30E+02	-6.44E-04	3.08E-03	-3.64E-05
3.30E+02	-1.18E-03	3.70E-03	-4.85E-04
3.30E+02	-1.53E-03	4.08E-03	-8.89E-04
3.30E+02	-1.66E-03	4.19E-03	-1.24E-03
3.30E+02	-1.57E-03	4.06E-03	-1.43E-03
3.30E+02	-1.36E-03	3.56E-03	-1.58E-03
3.30E+02	-1.07E-03	2.73E-03	-1.76E-03
3.30E+02	-8.15E-04	1.75E-03	-1.87E-03
3.30E+02	-5.97E-04	7.33E-04	-1.93E-03

3.30E+02	-3.94E-04	-1.81E-04	-1.88E-03
3.30E+02	-2.56E-04	-8.85E-04	-1.67E-03
3.30E+02	-1.28E-04	-1.37E-03	-1.34E-03
3.30E+02	-2.12E-05	-1.62E-03	-9.04E-04
3.30E+02	-2.27E-05	-1.70E-03	-4.61E-04
3.30E+02	-2.21E-04	-1.62E-03	-5.97E-05
3.30E+02	-6.12E-04	-1.45E-03	3.26E-04
3.30E+02	-1.07E-03	-1.26E-03	5.98E-04
3.30E+02	-1.52E-03	-1.02E-03	7.23E-04
3.30E+02	-1.97E-03	-7.77E-04	6.80E-04
3.30E+02	-2.35E-03	-5.53E-04	4.71E-04
3.30E+02	-2.58E-03	-2.85E-04	3.32E-04
3.30E+02	-2.64E-03	-2.19E-05	2.13E-04
3.30E+02	-2.49E-03	1.46E-04	-4.96E-06
3.30E+02	-2.16E-03	2.60E-04	-8.14E-05
3.30E+02	-1.69E-03	3.18E-04	-8.49E-05
3.30E+02	-1.11E-03	2.82E-04	-2.26E-04
3.30E+02	-5.24E-04	2.11E-04	-4.81E-04
3.30E+02	-5.72E-06	1.27E-04	-7.46E-04
3.30E+02	4.41E-04	1.30E-05	-8.80E-04
3.30E+02	7.97E-04	-8.11E-05	-8.62E-04
3.30E+02	1.01E-03	-1.01E-04	-6.33E-04
3.30E+02	1.06E-03	-2.92E-05	-1.87E-04
3.30E+02	1.06E-03	1.41E-04	2.73E-04
3.30E+02	1.05E-03	4.19E-04	6.86E-04
3.30E+02	1.00E-03	7.71E-04	9.87E-04
3.30E+02	9.63E-04	1.14E-03	1.12E-03
3.30E+02	9.31E-04	1.52E-03	1.21E-03
3.30E+02	8.57E-04	1.83E-03	1.19E-03
3.30E+02	6.90E-04	2.01E-03	1.02E-03
3.30E+02	4.21E-04	2.08E-03	8.41E-04
3.30E+02	1.18E-04	2.07E-03	6.30E-04
3.30E+02	-1.50E-04	2.07E-03	4.71E-04
3.30E+02	-3.81E-04	2.06E-03	3.58E-04
3.30E+02	-5.23E-04	2.01E-03	1.99E-04
3.30E+02	-5.28E-04	2.00E-03	1.37E-04
3.30E+02	-4.15E-04	2.02E-03	7.15E-05
3.30E+02	-1.42E-04	1.96E-03	-1.48E-04
3.30E+02	2.65E-04	1.74E-03	-3.38E-04
3.30E+02	7.69E-04	1.30E-03	-4.74E-04
3.30E+02	1.37E-03	6.58E-04	-5.93E-04
3.30E+02	1.89E-03	-1.42E-04	-7.70E-04
3.30E+02	2.24E-03	-1.04E-03	-1.04E-03
3.30E+02	2.46E-03	-1.85E-03	-1.18E-03
3.30E+02	2.51E-03	-2.59E-03	-1.25E-03
3.30E+02	2.41E-03	-3.31E-03	-1.42E-03
3.30E+02	2.18E-03	-3.93E-03	-1.53E-03

3.30E+02	1.84E-03	-4.40E-03	-1.56E-03
3.30E+02	1.47E-03	-4.67E-03	-1.49E-03
3.30E+02	1.05E-03	-4.72E-03	-1.28E-03
3.30E+02	5.93E-04	-4.62E-03	-9.59E-04
3.30E+02	1.39E-04	-4.29E-03	-4.58E-04
3.30E+02	-2.83E-04	-3.79E-03	1.12E-04
3.30E+02	-6.69E-04	-3.17E-03	6.09E-04
3.30E+02	-1.08E-03	-2.46E-03	1.04E-03
3.30E+02	-1.40E-03	-1.68E-03	1.37E-03
3.30E+02	-1.55E-03	-8.83E-04	1.63E-03
3.30E+02	-1.60E-03	-1.58E-04	1.86E-03
3.30E+02	-1.53E-03	4.35E-04	2.00E-03
3.30E+02	-1.30E-03	9.30E-04	2.10E-03
3.30E+02	-8.91E-04	1.23E-03	2.07E-03
3.30E+02	-3.21E-04	1.27E-03	1.79E-03
3.30E+02	2.53E-04	1.14E-03	1.42E-03
3.30E+02	8.36E-04	9.33E-04	1.03E-03
3.30E+02	1.40E-03	6.66E-04	6.13E-04
3.30E+02	1.82E-03	2.94E-04	9.40E-05
3.30E+02	2.04E-03	-2.24E-04	-5.18E-04
3.30E+02	2.07E-03	-8.26E-04	-1.02E-03
3.30E+02	1.98E-03	-1.49E-03	-1.33E-03
3.30E+02	1.76E-03	-2.16E-03	-1.47E-03
3.30E+02	1.45E-03	-2.69E-03	-1.42E-03
3.30E+02	1.12E-03	-3.01E-03	-1.21E-03
3.30E+02	8.53E-04	-3.10E-03	-9.39E-04
3.30E+02	6.49E-04	-2.95E-03	-5.81E-04
3.30E+02	4.59E-04	-2.61E-03	-2.61E-04
3.30E+02	3.44E-04	-2.09E-03	-3.93E-05
3.30E+02	2.94E-04	-1.42E-03	1.99E-04
3.30E+02	2.25E-04	-7.14E-04	3.60E-04
3.30E+02	1.16E-04	1.56E-05	4.46E-04
3.30E+02	-2.21E-05	7.53E-04	5.50E-04
3.30E+02	-1.29E-04	1.45E-03	6.32E-04
3.30E+02	-2.04E-04	2.05E-03	6.88E-04
3.30E+02	-2.75E-04	2.50E-03	7.06E-04
3.30E+02	-3.12E-04	2.82E-03	7.04E-04
3.30E+02	-3.19E-04	3.01E-03	6.92E-04
3.30E+02	-3.87E-04	2.97E-03	5.42E-04
3.30E+02	-5.83E-04	2.70E-03	2.70E-04
3.30E+02	-8.53E-04	2.26E-03	-6.68E-06
3.30E+02	-1.13E-03	1.69E-03	-2.67E-04
3.30E+02	-1.48E-03	1.09E-03	-4.92E-04
3.30E+02	-1.86E-03	5.32E-04	-7.31E-04
3.30E+02	-2.20E-03	9.98E-05	-9.29E-04
3.30E+02	-2.51E-03	-1.27E-04	-9.86E-04
3.30E+02	-2.73E-03	-2.21E-04	-9.85E-04

3.30E+02	-2.86E-03	-2.16E-04	-8.92E-04
3.30E+02	-2.93E-03	-1.41E-04	-7.46E-04
3.30E+02	-2.88E-03	-4.63E-05	-6.63E-04
3.30E+02	-2.76E-03	9.08E-05	-5.10E-04
3.30E+02	-2.63E-03	2.48E-04	-3.04E-04
3.30E+02	-2.44E-03	4.34E-04	-7.25E-05
3.30E+02	-2.19E-03	6.89E-04	2.33E-04
3.30E+02	-2.00E-03	9.42E-04	3.87E-04
3.30E+02	-1.92E-03	1.17E-03	3.59E-04
3.30E+02	-1.89E-03	1.37E-03	3.06E-04
3.30E+02	-1.83E-03	1.53E-03	2.63E-04
3.30E+02	-1.69E-03	1.61E-03	3.13E-04
3.30E+02	-1.47E-03	1.52E-03	4.50E-04
3.30E+02	-1.16E-03	1.26E-03	6.61E-04
3.30E+02	-7.84E-04	8.58E-04	9.43E-04
3.30E+02	-3.56E-04	3.22E-04	1.08E-03
3.30E+02	1.37E-04	-3.19E-04	1.07E-03
3.30E+02	6.02E-04	-1.00E-03	1.05E-03
3.30E+02	1.01E-03	-1.64E-03	9.44E-04
3.30E+02	1.33E-03	-2.17E-03	6.67E-04
3.30E+02	1.50E-03	-2.60E-03	1.57E-04
3.30E+02	1.51E-03	-2.91E-03	-4.60E-04
3.31E+02	1.40E-03	-3.09E-03	-9.67E-04
3.31E+02	1.24E-03	-3.14E-03	-1.35E-03
3.31E+02	1.06E-03	-3.12E-03	-1.56E-03
3.31E+02	8.47E-04	-3.01E-03	-1.55E-03
3.31E+02	7.39E-04	-2.81E-03	-1.42E-03
3.31E+02	7.21E-04	-2.48E-03	-1.14E-03
3.31E+02	7.27E-04	-2.07E-03	-7.69E-04
3.31E+02	7.74E-04	-1.61E-03	-3.00E-04
3.31E+02	8.64E-04	-1.07E-03	3.60E-04
3.31E+02	9.96E-04	-5.24E-04	1.00E-03
3.31E+02	1.09E-03	-1.83E-05	1.50E-03
3.31E+02	1.13E-03	4.91E-04	1.92E-03
3.31E+02	1.18E-03	1.00E-03	2.29E-03
3.31E+02	1.22E-03	1.49E-03	2.64E-03
3.31E+02	1.14E-03	1.91E-03	2.83E-03
3.31E+02	1.00E-03	2.20E-03	2.76E-03
3.31E+02	8.43E-04	2.39E-03	2.60E-03
3.31E+02	6.20E-04	2.42E-03	2.34E-03
3.31E+02	3.57E-04	2.24E-03	1.99E-03
3.31E+02	6.83E-05	1.95E-03	1.71E-03
3.31E+02	-1.75E-04	1.56E-03	1.45E-03
3.31E+02	-3.34E-04	1.11E-03	1.19E-03
3.31E+02	-4.23E-04	6.37E-04	8.88E-04
3.31E+02	-3.60E-04	1.60E-04	5.49E-04
3.31E+02	-1.53E-04	-2.26E-04	3.30E-04

3.31E+02	1.33E-04	-5.34E-04	8.98E-05
3.31E+02	4.56E-04	-8.05E-04	-1.86E-04
3.31E+02	7.25E-04	-9.49E-04	-3.52E-04
3.31E+02	9.40E-04	-9.48E-04	-4.10E-04
3.31E+02	1.06E-03	-8.38E-04	-3.70E-04
3.31E+02	9.78E-04	-6.85E-04	-3.27E-04
3.31E+02	7.14E-04	-5.46E-04	-2.74E-04
3.31E+02	2.53E-04	-3.92E-04	-1.08E-04
3.31E+02	-3.33E-04	-2.30E-04	8.95E-05
3.31E+02	-9.46E-04	-8.45E-05	2.43E-04
3.31E+02	-1.56E-03	5.34E-05	3.34E-04
3.31E+02	-2.02E-03	1.54E-04	2.96E-04
3.31E+02	-2.28E-03	2.29E-04	1.41E-04
3.31E+02	-2.35E-03	3.05E-04	-1.22E-04
3.31E+02	-2.19E-03	3.71E-04	-4.76E-04
3.31E+02	-1.83E-03	4.05E-04	-7.49E-04
3.31E+02	-1.32E-03	3.50E-04	-9.45E-04
3.31E+02	-8.02E-04	1.90E-04	-1.11E-03
3.31E+02	-3.71E-04	-7.25E-06	-1.14E-03
3.31E+02	-3.28E-05	-1.46E-04	-1.07E-03
3.31E+02	1.83E-04	-1.93E-04	-9.29E-04
3.31E+02	2.25E-04	-2.12E-04	-8.11E-04
3.31E+02	1.50E-04	-2.35E-04	-7.74E-04
3.31E+02	4.65E-05	-2.01E-04	-6.43E-04
3.31E+02	-6.89E-05	-1.14E-04	-4.40E-04
3.31E+02	-2.17E-04	-3.32E-05	-2.52E-04
3.31E+02	-3.99E-04	6.77E-05	-5.47E-05
3.31E+02	-5.71E-04	1.73E-04	3.95E-05
3.31E+02	-7.09E-04	2.82E-04	2.56E-05
3.31E+02	-8.76E-04	3.97E-04	-3.93E-05
3.31E+02	-1.05E-03	5.08E-04	-1.57E-04
3.31E+02	-1.17E-03	6.78E-04	-1.98E-04
3.31E+02	-1.27E-03	8.93E-04	-1.40E-04
3.31E+02	-1.32E-03	1.13E-03	-5.99E-05
3.31E+02	-1.35E-03	1.37E-03	-6.01E-05
3.31E+02	-1.35E-03	1.55E-03	-2.02E-04
3.31E+02	-1.25E-03	1.69E-03	-3.14E-04
3.31E+02	-1.13E-03	1.71E-03	-3.60E-04
3.31E+02	-9.56E-04	1.57E-03	-3.55E-04
3.31E+02	-7.08E-04	1.33E-03	-2.05E-04
3.31E+02	-4.28E-04	1.01E-03	-9.54E-07
3.31E+02	-1.59E-04	6.23E-04	1.91E-04
3.31E+02	3.87E-05	2.56E-04	3.99E-04
3.31E+02	1.71E-04	-8.30E-05	6.11E-04
3.31E+02	2.40E-04	-3.67E-04	8.09E-04
3.31E+02	2.03E-04	-6.10E-04	8.41E-04
3.31E+02	5.78E-05	-8.74E-04	6.32E-04

3.31E+02	-1.71E-04	-1.10E-03	3.94E-04
3.31E+02	-4.47E-04	-1.33E-03	1.48E-04
3.31E+02	-7.54E-04	-1.62E-03	-1.99E-04
3.31E+02	-1.12E-03	-1.88E-03	-4.90E-04
3.31E+02	-1.47E-03	-2.09E-03	-6.86E-04
3.31E+02	-1.68E-03	-2.18E-03	-8.16E-04
3.31E+02	-1.79E-03	-2.13E-03	-9.01E-04
3.31E+02	-1.76E-03	-2.00E-03	-9.81E-04
3.31E+02	-1.48E-03	-1.73E-03	-8.97E-04
3.31E+02	-9.77E-04	-1.42E-03	-7.23E-04
3.31E+02	-2.98E-04	-1.17E-03	-6.06E-04
3.31E+02	4.31E-04	-9.82E-04	-4.42E-04
3.31E+02	1.20E-03	-9.30E-04	-2.90E-04
3.31E+02	1.99E-03	-1.03E-03	-1.60E-04
3.31E+02	2.60E-03	-1.24E-03	-5.13E-05
3.31E+02	2.98E-03	-1.59E-03	-6.83E-05
3.31E+02	3.15E-03	-1.91E-03	-5.15E-05
3.31E+02	3.09E-03	-2.12E-03	3.38E-05
3.31E+02	2.78E-03	-2.27E-03	4.98E-05
3.31E+02	2.22E-03	-2.22E-03	3.59E-05
3.31E+02	1.48E-03	-1.95E-03	-2.96E-05
3.31E+02	7.02E-04	-1.46E-03	-1.56E-04
3.31E+02	-3.72E-05	-8.30E-04	-2.86E-04
3.31E+02	-6.58E-04	-2.29E-04	-3.82E-04
3.31E+02	-1.07E-03	3.56E-04	-3.21E-04
3.31E+02	-1.31E-03	8.83E-04	-1.59E-04
3.31E+02	-1.36E-03	1.26E-03	-6.41E-05
3.31E+02	-1.30E-03	1.49E-03	4.04E-05
3.31E+02	-1.16E-03	1.61E-03	1.39E-04
3.31E+02	-9.04E-04	1.68E-03	8.30E-05
3.31E+02	-6.22E-04	1.70E-03	-6.22E-05
3.31E+02	-3.56E-04	1.72E-03	-2.31E-04
3.31E+02	-9.08E-05	1.73E-03	-3.51E-04
3.31E+02	1.14E-04	1.72E-03	-3.50E-04
3.31E+02	2.34E-04	1.66E-03	-3.69E-04
3.31E+02	1.92E-04	1.58E-03	-3.86E-04
3.31E+02	-3.45E-05	1.53E-03	-3.60E-04
3.31E+02	-3.45E-04	1.53E-03	-3.93E-04
3.31E+02	-7.19E-04	1.64E-03	-4.22E-04
3.31E+02	-1.10E-03	1.79E-03	-4.44E-04
3.31E+02	-1.38E-03	1.97E-03	-4.00E-04
3.31E+02	-1.58E-03	2.16E-03	-2.02E-04
3.31E+02	-1.72E-03	2.23E-03	2.12E-05
3.31E+02	-1.78E-03	2.16E-03	2.54E-04
3.31E+02	-1.75E-03	1.92E-03	5.24E-04
3.31E+02	-1.62E-03	1.48E-03	7.83E-04
3.31E+02	-1.41E-03	9.43E-04	1.02E-03

3.31E+02	-1.21E-03	3.73E-04	1.14E-03
3.31E+02	-1.03E-03	-1.08E-04	1.14E-03
3.31E+02	-8.71E-04	-4.43E-04	1.06E-03
3.31E+02	-7.51E-04	-6.94E-04	8.36E-04
3.31E+02	-7.02E-04	-8.34E-04	5.85E-04
3.31E+02	-7.22E-04	-8.56E-04	3.47E-04
3.31E+02	-7.22E-04	-7.69E-04	1.18E-04
3.31E+02	-6.69E-04	-5.77E-04	2.75E-05
3.31E+02	-5.44E-04	-3.70E-04	-1.03E-05
3.31E+02	-2.79E-04	-1.50E-04	-1.13E-05
3.31E+02	1.17E-04	1.12E-04	1.27E-04
3.31E+02	6.09E-04	3.54E-04	2.42E-04
3.31E+02	1.14E-03	5.47E-04	2.83E-04
3.31E+02	1.66E-03	6.88E-04	3.13E-04
3.31E+02	2.18E-03	7.68E-04	2.86E-04
3.31E+02	2.63E-03	8.09E-04	2.40E-04
3.31E+02	2.96E-03	8.14E-04	1.59E-04
3.31E+02	3.17E-03	8.19E-04	4.50E-05
3.31E+02	3.24E-03	8.85E-04	-2.21E-05
3.31E+02	3.20E-03	9.81E-04	-9.12E-05
3.31E+02	3.05E-03	1.10E-03	-1.18E-04
3.31E+02	2.81E-03	1.26E-03	-2.86E-05
3.31E+02	2.58E-03	1.45E-03	1.29E-04
3.31E+02	2.40E-03	1.62E-03	2.75E-04
3.31E+02	2.23E-03	1.64E-03	2.42E-04
3.31E+02	2.11E-03	1.54E-03	1.24E-04
3.31E+02	2.06E-03	1.39E-03	1.25E-04
3.31E+02	2.02E-03	1.14E-03	1.46E-04
3.31E+02	1.96E-03	8.17E-04	2.29E-04
3.31E+02	1.85E-03	5.08E-04	4.39E-04
3.31E+02	1.73E-03	2.36E-04	6.48E-04
3.31E+02	1.59E-03	5.23E-05	8.66E-04
3.31E+02	1.39E-03	-4.54E-05	1.08E-03
3.31E+02	1.20E-03	-7.36E-05	1.22E-03
3.31E+02	1.04E-03	-3.68E-05	1.30E-03
3.31E+02	8.76E-04	-4.56E-05	1.24E-03
3.31E+02	7.04E-04	-1.41E-04	1.03E-03
3.31E+02	4.55E-04	-2.83E-04	7.75E-04
3.31E+02	1.64E-04	-4.29E-04	5.23E-04
3.31E+02	-1.48E-04	-5.38E-04	3.14E-04
3.31E+02	-5.15E-04	-6.46E-04	9.00E-05
3.31E+02	-8.57E-04	-6.91E-04	-1.40E-04
3.31E+02	-1.13E-03	-6.31E-04	-2.57E-04
3.31E+02	-1.35E-03	-4.91E-04	-3.04E-04
3.31E+02	-1.49E-03	-2.39E-04	-3.22E-04
3.31E+02	-1.59E-03	1.03E-04	-3.30E-04
3.31E+02	-1.56E-03	5.08E-04	-3.77E-04

3.31E+02	-1.40E-03	9.71E-04	-3.86E-04
3.31E+02	-1.23E-03	1.45E-03	-3.68E-04
3.31E+02	-1.07E-03	1.92E-03	-3.72E-04
3.31E+02	-9.32E-04	2.39E-03	-3.12E-04
3.31E+02	-8.28E-04	2.81E-03	-2.12E-04
3.31E+02	-7.24E-04	3.16E-03	-1.28E-04
3.31E+02	-6.44E-04	3.49E-03	-3.87E-05
3.31E+02	-5.54E-04	3.77E-03	2.33E-05
3.31E+02	-4.35E-04	4.00E-03	7.63E-06
3.31E+02	-3.68E-04	4.12E-03	-1.52E-04
3.31E+02	-3.06E-04	4.06E-03	-4.33E-04
3.31E+02	-1.74E-04	3.84E-03	-6.84E-04
3.31E+02	-7.44E-06	3.44E-03	-8.77E-04
3.31E+02	1.43E-04	2.84E-03	-1.05E-03
3.31E+02	2.03E-04	2.12E-03	-1.17E-03
3.31E+02	1.72E-04	1.34E-03	-1.30E-03
3.31E+02	3.74E-05	6.05E-04	-1.44E-03
3.31E+02	-2.71E-04	-2.10E-05	-1.47E-03
3.31E+02	-6.88E-04	-5.78E-04	-1.44E-03
3.31E+02	-1.13E-03	-1.03E-03	-1.33E-03
3.31E+02	-1.54E-03	-1.35E-03	-1.13E-03
3.31E+02	-1.89E-03	-1.60E-03	-9.93E-04
3.31E+02	-2.18E-03	-1.77E-03	-8.77E-04
3.31E+02	-2.29E-03	-1.83E-03	-7.28E-04
3.31E+02	-2.22E-03	-1.76E-03	-5.05E-04
3.31E+02	-2.05E-03	-1.59E-03	-1.71E-04
3.31E+02	-1.75E-03	-1.34E-03	2.37E-04
3.31E+02	-1.33E-03	-9.94E-04	7.06E-04
3.31E+02	-8.43E-04	-5.80E-04	1.13E-03
3.31E+02	-3.61E-04	-1.16E-04	1.50E-03
3.31E+02	4.39E-05	3.75E-04	1.78E-03
3.31E+02	4.14E-04	8.54E-04	1.85E-03
3.31E+02	7.68E-04	1.38E-03	1.78E-03
3.31E+02	1.04E-03	1.91E-03	1.58E-03
3.32E+02	1.30E-03	2.37E-03	1.24E-03
3.32E+02	1.57E-03	2.81E-03	9.00E-04
3.32E+02	1.84E-03	3.18E-03	5.40E-04
3.32E+02	2.07E-03	3.42E-03	4.71E-05
3.32E+02	2.20E-03	3.52E-03	-4.23E-04
3.32E+02	2.23E-03	3.49E-03	-7.68E-04
3.32E+02	2.24E-03	3.30E-03	-1.05E-03
3.32E+02	2.17E-03	2.86E-03	-1.27E-03
3.32E+02	2.02E-03	2.13E-03	-1.38E-03
3.32E+02	1.82E-03	1.22E-03	-1.22E-03
3.32E+02	1.60E-03	2.48E-04	-8.68E-04
3.32E+02	1.38E-03	-7.13E-04	-5.82E-04
3.32E+02	1.12E-03	-1.49E-03	-3.10E-04

3.32E+02	8.49E-04	-2.01E-03	-5.09E-05
3.32E+02	6.55E-04	-2.23E-03	8.66E-05
3.32E+02	4.94E-04	-2.13E-03	1.18E-04
3.32E+02	3.44E-04	-1.81E-03	2.46E-05
3.32E+02	2.01E-04	-1.32E-03	-1.05E-04
3.32E+02	8.30E-05	-7.41E-04	-1.54E-04
3.32E+02	4.39E-06	-2.54E-04	-1.71E-04
3.32E+02	-6.12E-05	5.95E-05	-1.66E-04
3.32E+02	-9.19E-05	2.17E-04	-2.00E-04
3.32E+02	-7.32E-05	2.44E-04	-2.84E-04
3.32E+02	-7.06E-05	1.77E-04	-3.78E-04
3.32E+02	-1.27E-04	2.92E-05	-5.29E-04
3.32E+02	-1.91E-04	-1.14E-04	-6.02E-04
3.32E+02	-2.32E-04	-2.10E-04	-5.62E-04
3.32E+02	-2.62E-04	-2.83E-04	-4.93E-04
3.32E+02	-2.90E-04	-3.41E-04	-3.02E-04
3.32E+02	-3.17E-04	-4.28E-04	-4.96E-05
3.32E+02	-3.17E-04	-5.60E-04	1.95E-04
3.32E+02	-3.01E-04	-7.27E-04	4.32E-04
3.32E+02	-2.54E-04	-9.28E-04	5.48E-04
3.32E+02	-1.14E-04	-1.09E-03	5.70E-04
3.32E+02	1.59E-04	-1.15E-03	5.13E-04
3.32E+02	5.46E-04	-1.17E-03	3.17E-04
3.32E+02	9.60E-04	-1.19E-03	5.97E-05
3.32E+02	1.39E-03	-1.17E-03	-1.90E-04
3.32E+02	1.82E-03	-1.11E-03	-3.36E-04
3.32E+02	2.20E-03	-1.03E-03	-3.75E-04
3.32E+02	2.53E-03	-1.00E-03	-4.45E-04
3.32E+02	2.78E-03	-9.86E-04	-4.74E-04
3.32E+02	2.92E-03	-9.49E-04	-4.27E-04
3.32E+02	2.92E-03	-9.18E-04	-4.47E-04
3.32E+02	2.74E-03	-9.04E-04	-4.84E-04
3.32E+02	2.35E-03	-9.26E-04	-3.93E-04
3.32E+02	1.84E-03	-1.03E-03	-1.92E-04
3.32E+02	1.23E-03	-1.27E-03	-2.67E-06
3.32E+02	5.16E-04	-1.61E-03	1.30E-04
3.32E+02	-2.04E-04	-1.94E-03	3.07E-04
3.32E+02	-8.39E-04	-2.18E-03	4.90E-04
3.32E+02	-1.33E-03	-2.34E-03	5.25E-04
3.32E+02	-1.65E-03	-2.45E-03	4.62E-04
3.32E+02	-1.84E-03	-2.51E-03	3.80E-04
3.32E+02	-1.89E-03	-2.48E-03	2.77E-04
3.32E+02	-1.82E-03	-2.42E-03	1.04E-04
3.32E+02	-1.72E-03	-2.44E-03	-2.29E-04
3.32E+02	-1.56E-03	-2.42E-03	-6.04E-04
3.32E+02	-1.37E-03	-2.28E-03	-8.89E-04
3.32E+02	-1.17E-03	-2.00E-03	-1.16E-03

3.32E+02	-1.02E-03	-1.52E-03	-1.42E-03
3.32E+02	-9.21E-04	-8.35E-04	-1.64E-03
3.32E+02	-8.53E-04	8.77E-06	-1.76E-03
3.32E+02	-8.43E-04	9.32E-04	-1.77E-03
3.32E+02	-8.77E-04	1.80E-03	-1.79E-03
3.32E+02	-8.92E-04	2.58E-03	-1.78E-03
3.32E+02	-8.86E-04	3.24E-03	-1.62E-03
3.32E+02	-8.38E-04	3.65E-03	-1.43E-03
3.32E+02	-7.68E-04	3.81E-03	-1.19E-03
3.32E+02	-7.14E-04	3.81E-03	-7.71E-04
3.32E+02	-6.28E-04	3.63E-03	-3.15E-04
3.32E+02	-5.12E-04	3.29E-03	7.00E-05
3.32E+02	-4.44E-04	2.81E-03	3.62E-04
3.32E+02	-3.90E-04	2.22E-03	6.01E-04
3.32E+02	-3.16E-04	1.60E-03	8.21E-04
3.32E+02	-2.40E-04	9.89E-04	9.62E-04
3.32E+02	-1.61E-04	4.36E-04	1.10E-03
3.32E+02	-3.09E-05	-1.91E-05	1.24E-03
3.32E+02	2.33E-04	-3.51E-04	1.26E-03
3.32E+02	5.88E-04	-5.35E-04	1.27E-03
3.32E+02	9.90E-04	-6.31E-04	1.20E-03
3.32E+02	1.46E-03	-6.74E-04	1.03E-03
3.32E+02	1.94E-03	-6.50E-04	7.88E-04
3.32E+02	2.35E-03	-5.93E-04	4.46E-04
3.32E+02	2.66E-03	-4.92E-04	8.49E-05
3.32E+02	2.80E-03	-3.24E-04	-1.80E-04
3.32E+02	2.79E-03	-1.08E-04	-3.76E-04
3.32E+02	2.61E-03	1.92E-04	-4.31E-04
3.32E+02	2.33E-03	5.46E-04	-4.27E-04
3.32E+02	2.01E-03	8.95E-04	-4.52E-04
3.32E+02	1.72E-03	1.28E-03	-3.43E-04
3.32E+02	1.49E-03	1.64E-03	-1.96E-04
3.32E+02	1.32E-03	1.88E-03	-1.67E-04
3.32E+02	1.20E-03	2.01E-03	-1.87E-04
3.32E+02	1.18E-03	2.03E-03	-1.64E-04
3.32E+02	1.25E-03	1.95E-03	-6.22E-05
3.32E+02	1.31E-03	1.74E-03	-7.25E-06
3.32E+02	1.36E-03	1.46E-03	8.39E-06
3.32E+02	1.38E-03	1.21E-03	6.48E-05
3.32E+02	1.31E-03	9.90E-04	-2.59E-05
3.32E+02	1.17E-03	7.88E-04	-2.34E-04
3.32E+02	8.94E-04	6.45E-04	-3.70E-04
3.32E+02	5.53E-04	5.32E-04	-4.76E-04
3.32E+02	1.60E-04	3.87E-04	-5.71E-04
3.32E+02	-3.39E-04	1.67E-04	-6.91E-04
3.32E+02	-8.72E-04	-1.14E-04	-8.24E-04
3.32E+02	-1.38E-03	-3.67E-04	-8.50E-04

3.32E+02	-1.81E-03	-5.74E-04	-8.40E-04
3.32E+02	-2.13E-03	-7.44E-04	-8.26E-04
3.32E+02	-2.33E-03	-8.33E-04	-7.38E-04
3.32E+02	-2.33E-03	-8.74E-04	-6.17E-04
3.32E+02	-2.13E-03	-8.91E-04	-4.23E-04
3.32E+02	-1.85E-03	-8.92E-04	-1.55E-04
3.32E+02	-1.48E-03	-8.93E-04	6.18E-05
3.32E+02	-1.05E-03	-8.57E-04	2.17E-04
3.32E+02	-6.03E-04	-7.67E-04	2.90E-04
3.32E+02	-1.60E-04	-5.74E-04	2.80E-04
3.32E+02	2.16E-04	-2.69E-04	2.27E-04
3.32E+02	5.36E-04	9.10E-05	1.45E-04
3.32E+02	8.25E-04	4.79E-04	1.21E-04
3.32E+02	1.01E-03	8.03E-04	4.02E-05
3.32E+02	1.14E-03	1.03E-03	-1.33E-04
3.32E+02	1.29E-03	1.20E-03	-2.26E-04
3.32E+02	1.41E-03	1.29E-03	-3.27E-04
3.32E+02	1.49E-03	1.31E-03	-4.72E-04
3.32E+02	1.48E-03	1.24E-03	-5.80E-04
3.32E+02	1.43E-03	1.11E-03	-6.40E-04
3.32E+02	1.40E-03	9.78E-04	-5.66E-04
3.32E+02	1.35E-03	8.27E-04	-4.20E-04
3.32E+02	1.28E-03	6.07E-04	-2.78E-04
3.32E+02	1.25E-03	3.89E-04	-5.76E-05
3.32E+02	1.29E-03	1.86E-04	1.60E-04
3.32E+02	1.36E-03	-5.13E-05	2.76E-04
3.32E+02	1.44E-03	-2.95E-04	3.41E-04
3.32E+02	1.55E-03	-5.43E-04	3.96E-04
3.32E+02	1.71E-03	-7.98E-04	4.54E-04
3.32E+02	1.83E-03	-1.10E-03	4.62E-04
3.32E+02	1.94E-03	-1.46E-03	3.97E-04
3.32E+02	2.04E-03	-1.85E-03	3.48E-04
3.32E+02	2.09E-03	-2.23E-03	3.73E-04
3.32E+02	2.07E-03	-2.55E-03	4.36E-04
3.32E+02	1.93E-03	-2.82E-03	4.38E-04
3.32E+02	1.70E-03	-3.07E-03	3.46E-04
3.32E+02	1.45E-03	-3.24E-03	2.20E-04
3.32E+02	1.13E-03	-3.35E-03	8.20E-05
3.32E+02	7.33E-04	-3.43E-03	-3.81E-05
3.32E+02	2.74E-04	-3.38E-03	-7.63E-05
3.32E+02	-2.05E-04	-3.19E-03	-5.68E-05
3.32E+02	-6.76E-04	-2.90E-03	3.24E-06
3.32E+02	-1.13E-03	-2.47E-03	1.58E-04
3.32E+02	-1.54E-03	-1.94E-03	4.14E-04
3.32E+02	-1.85E-03	-1.32E-03	7.60E-04
3.32E+02	-2.07E-03	-6.60E-04	1.12E-03
3.32E+02	-2.21E-03	-4.77E-05	1.31E-03

3.32E+02	-2.18E-03	5.52E-04	1.39E-03
3.32E+02	-1.99E-03	1.15E-03	1.40E-03
3.32E+02	-1.66E-03	1.71E-03	1.27E-03
3.32E+02	-1.24E-03	2.20E-03	1.02E-03
3.32E+02	-8.01E-04	2.58E-03	6.49E-04
3.32E+02	-3.15E-04	2.86E-03	2.35E-04
3.32E+02	1.43E-04	3.09E-03	-7.27E-05
3.32E+02	4.74E-04	3.22E-03	-3.74E-04
3.32E+02	7.12E-04	3.28E-03	-6.08E-04
3.32E+02	8.45E-04	3.29E-03	-7.57E-04
3.32E+02	8.61E-04	3.20E-03	-9.66E-04
3.32E+02	7.38E-04	3.04E-03	-1.13E-03
3.32E+02	4.87E-04	2.84E-03	-1.22E-03
3.32E+02	2.08E-04	2.66E-03	-1.23E-03
3.32E+02	-1.19E-04	2.45E-03	-1.12E-03
3.32E+02	-4.74E-04	2.19E-03	-9.89E-04
3.32E+02	-7.68E-04	1.90E-03	-7.98E-04
3.32E+02	-9.77E-04	1.60E-03	-4.77E-04
3.32E+02	-1.11E-03	1.29E-03	-1.19E-04
3.32E+02	-1.19E-03	9.49E-04	2.10E-04
3.32E+02	-1.21E-03	6.17E-04	4.75E-04
3.32E+02	-1.11E-03	3.23E-04	6.57E-04
3.32E+02	-9.26E-04	5.66E-05	7.40E-04
3.32E+02	-7.11E-04	-2.00E-04	6.68E-04
3.32E+02	-4.51E-04	-4.19E-04	5.22E-04
3.32E+02	-1.70E-04	-5.94E-04	4.32E-04
3.32E+02	9.04E-05	-7.77E-04	3.00E-04
3.32E+02	3.07E-04	-9.88E-04	1.20E-04
3.32E+02	4.58E-04	-1.20E-03	-3.05E-06
3.32E+02	5.73E-04	-1.39E-03	-8.49E-05
3.32E+02	6.04E-04	-1.53E-03	-1.23E-04
3.32E+02	4.97E-04	-1.67E-03	-1.82E-04
3.32E+02	3.17E-04	-1.76E-03	-2.45E-04
3.32E+02	5.80E-05	-1.81E-03	-2.26E-04
3.32E+02	-3.02E-04	-1.86E-03	-2.21E-04
3.32E+02	-7.53E-04	-1.93E-03	-2.33E-04
3.32E+02	-1.30E-03	-2.02E-03	-1.69E-04
3.32E+02	-1.85E-03	-2.08E-03	-4.43E-05
3.32E+02	-2.36E-03	-2.09E-03	1.33E-04
3.32E+02	-2.81E-03	-2.07E-03	3.47E-04
3.32E+02	-3.14E-03	-1.96E-03	6.18E-04
3.32E+02	-3.31E-03	-1.82E-03	9.60E-04
3.32E+02	-3.30E-03	-1.72E-03	1.24E-03
3.32E+02	-3.15E-03	-1.68E-03	1.35E-03
3.32E+02	-2.90E-03	-1.71E-03	1.33E-03
3.32E+02	-2.51E-03	-1.81E-03	1.23E-03
3.33E+02	-2.05E-03	-1.97E-03	1.07E-03

3.33E+02	-1.58E-03	-2.21E-03	8.27E-04
3.33E+02	-1.07E-03	-2.45E-03	5.73E-04
3.33E+02	-5.26E-04	-2.62E-03	3.84E-04
3.33E+02	1.01E-05	-2.71E-03	2.39E-04
3.33E+02	5.06E-04	-2.72E-03	1.13E-04
3.33E+02	9.49E-04	-2.66E-03	-1.51E-05
3.33E+02	1.40E-03	-2.54E-03	-1.51E-04
3.33E+02	1.87E-03	-2.29E-03	-1.77E-04
3.33E+02	2.28E-03	-1.96E-03	-6.05E-05
3.33E+02	2.65E-03	-1.60E-03	1.33E-04
3.33E+02	2.93E-03	-1.22E-03	3.95E-04
3.33E+02	3.12E-03	-8.54E-04	6.46E-04
3.33E+02	3.18E-03	-5.78E-04	8.36E-04
3.33E+02	3.09E-03	-3.56E-04	9.79E-04
3.33E+02	2.94E-03	-1.50E-04	1.06E-03
3.33E+02	2.73E-03	8.58E-05	1.14E-03
3.33E+02	2.41E-03	3.49E-04	1.20E-03
3.33E+02	2.06E-03	5.70E-04	1.18E-03
3.33E+02	1.69E-03	7.50E-04	1.17E-03
3.33E+02	1.28E-03	8.78E-04	1.15E-03
3.33E+02	8.53E-04	9.10E-04	1.09E-03
3.33E+02	4.17E-04	8.33E-04	1.01E-03
3.33E+02	3.49E-05	6.46E-04	8.73E-04
3.33E+02	-2.47E-04	4.08E-04	6.98E-04
3.33E+02	-4.57E-04	1.70E-04	5.00E-04
3.33E+02	-5.73E-04	-5.72E-05	2.16E-04
3.33E+02	-5.79E-04	-2.05E-04	-3.30E-05
3.33E+02	-5.16E-04	-2.57E-04	-2.00E-04
3.33E+02	-4.05E-04	-2.35E-04	-3.28E-04
3.33E+02	-3.11E-04	-1.38E-04	-3.44E-04
3.33E+02	-2.08E-04	1.13E-05	-2.60E-04
3.33E+02	-7.25E-05	2.01E-04	-1.42E-04
3.33E+02	-1.96E-05	3.75E-04	-4.63E-05
3.33E+02	-1.62E-05	5.01E-04	4.77E-05
3.33E+02	2.10E-05	6.12E-04	2.24E-04
3.33E+02	7.34E-05	6.89E-04	3.88E-04
3.33E+02	1.05E-04	7.16E-04	4.95E-04
3.33E+02	1.04E-04	6.94E-04	5.97E-04
3.33E+02	9.44E-05	6.10E-04	6.19E-04
3.33E+02	5.57E-05	4.90E-04	6.18E-04
3.33E+02	-1.02E-04	3.47E-04	6.19E-04
3.33E+02	-4.00E-04	1.89E-04	5.03E-04
3.33E+02	-7.75E-04	7.67E-05	3.19E-04
3.33E+02	-1.21E-03	3.64E-05	1.33E-04
3.33E+02	-1.71E-03	2.31E-05	-2.94E-05
3.33E+02	-2.23E-03	-1.83E-05	-1.68E-04
3.33E+02	-2.72E-03	-8.60E-05	-3.36E-04

3.33E+02	-3.14E-03	-1.41E-04	-4.79E-04
3.33E+02	-3.50E-03	-1.65E-04	-6.31E-04
3.33E+02	-3.71E-03	-1.50E-04	-8.42E-04
3.33E+02	-3.76E-03	-3.93E-05	-9.96E-04
3.33E+02	-3.65E-03	1.78E-04	-1.14E-03
3.33E+02	-3.39E-03	4.47E-04	-1.31E-03
3.33E+02	-3.00E-03	8.03E-04	-1.37E-03
3.33E+02	-2.48E-03	1.23E-03	-1.35E-03
3.33E+02	-1.81E-03	1.69E-03	-1.20E-03
3.33E+02	-1.11E-03	2.11E-03	-9.11E-04
3.33E+02	-4.44E-04	2.37E-03	-6.34E-04
3.33E+02	1.80E-04	2.50E-03	-3.15E-04
3.33E+02	7.50E-04	2.49E-03	-1.09E-05
3.33E+02	1.22E-03	2.32E-03	2.21E-04
3.33E+02	1.55E-03	2.03E-03	4.89E-04
3.33E+02	1.79E-03	1.67E-03	7.37E-04
3.33E+02	2.03E-03	1.32E-03	9.26E-04
3.33E+02	2.23E-03	9.90E-04	1.07E-03
3.33E+02	2.40E-03	6.31E-04	1.09E-03
3.33E+02	2.55E-03	2.54E-04	9.85E-04
3.33E+02	2.67E-03	-1.17E-04	8.08E-04
3.33E+02	2.72E-03	-4.76E-04	5.96E-04
3.33E+02	2.67E-03	-8.28E-04	4.35E-04
3.33E+02	2.54E-03	-1.16E-03	2.95E-04
3.33E+02	2.37E-03	-1.43E-03	1.90E-04
3.33E+02	2.12E-03	-1.62E-03	1.59E-04
3.33E+02	1.79E-03	-1.72E-03	2.19E-04
3.33E+02	1.43E-03	-1.69E-03	4.38E-04
3.33E+02	1.11E-03	-1.54E-03	6.43E-04
3.33E+02	8.53E-04	-1.34E-03	6.89E-04
3.33E+02	6.15E-04	-1.10E-03	6.77E-04
3.33E+02	4.54E-04	-8.46E-04	6.01E-04
3.33E+02	3.66E-04	-6.07E-04	4.73E-04
3.33E+02	2.61E-04	-3.94E-04	2.87E-04
3.33E+02	1.39E-04	-2.50E-04	3.43E-06
3.33E+02	1.89E-05	-1.35E-04	-2.30E-04
3.33E+02	-7.74E-05	-1.60E-05	-4.01E-04
3.33E+02	-1.72E-04	5.61E-05	-5.71E-04
3.33E+02	-3.25E-04	9.33E-05	-7.27E-04
3.33E+02	-5.00E-04	8.28E-05	-8.91E-04
3.33E+02	-6.38E-04	4.94E-05	-1.00E-03
3.33E+02	-7.72E-04	4.35E-05	-1.04E-03
3.33E+02	-8.95E-04	7.10E-05	-1.03E-03
3.33E+02	-8.97E-04	1.96E-04	-8.77E-04
3.33E+02	-7.86E-04	3.81E-04	-6.13E-04
3.33E+02	-6.05E-04	5.51E-04	-3.56E-04
3.33E+02	-3.98E-04	7.27E-04	-3.49E-05

3.33E+02	-2.40E-04	8.70E-04	3.31E-04
3.33E+02	-9.17E-05	9.44E-04	6.57E-04
3.33E+02	1.18E-05	9.17E-04	9.00E-04
3.33E+02	3.24E-05	7.68E-04	1.04E-03
3.33E+02	5.05E-05	5.55E-04	1.22E-03
3.33E+02	1.08E-04	3.24E-04	1.43E-03
3.33E+02	2.05E-04	1.27E-04	1.55E-03
3.33E+02	3.17E-04	-9.54E-06	1.58E-03
3.33E+02	4.45E-04	-1.10E-04	1.48E-03
3.33E+02	6.20E-04	-1.48E-04	1.24E-03
3.33E+02	7.69E-04	-1.59E-04	8.63E-04
3.33E+02	8.27E-04	-1.99E-04	3.44E-04
3.33E+02	8.36E-04	-1.95E-04	-1.76E-04
3.33E+02	7.67E-04	-1.55E-04	-5.88E-04
3.33E+02	6.23E-04	-1.37E-04	-9.11E-04
3.33E+02	4.19E-04	-1.04E-04	-1.11E-03
3.33E+02	1.39E-04	-7.90E-05	-1.12E-03
3.33E+02	-1.17E-04	-5.42E-05	-1.00E-03
3.33E+02	-3.58E-04	1.34E-06	-8.83E-04
3.33E+02	-6.02E-04	5.97E-05	-8.46E-04
3.33E+02	-7.77E-04	1.66E-04	-8.62E-04
3.33E+02	-8.89E-04	3.39E-04	-8.55E-04
3.33E+02	-9.59E-04	5.24E-04	-9.05E-04
3.33E+02	-1.03E-03	6.93E-04	-1.00E-03
3.33E+02	-1.11E-03	8.34E-04	-1.01E-03
3.33E+02	-1.13E-03	9.49E-04	-8.60E-04
3.33E+02	-1.15E-03	1.01E-03	-5.74E-04
3.33E+02	-1.19E-03	9.96E-04	-3.07E-04
3.33E+02	-1.24E-03	9.66E-04	-5.66E-05
3.33E+02	-1.29E-03	9.08E-04	2.30E-04
3.33E+02	-1.32E-03	7.68E-04	3.95E-04
3.33E+02	-1.37E-03	5.54E-04	4.23E-04
3.33E+02	-1.46E-03	2.70E-04	3.97E-04
3.33E+02	-1.52E-03	-2.96E-05	3.35E-04
3.33E+02	-1.59E-03	-3.56E-04	2.44E-04
3.33E+02	-1.71E-03	-7.52E-04	5.72E-05
3.33E+02	-1.82E-03	-1.10E-03	-1.29E-04
3.33E+02	-1.91E-03	-1.36E-03	-2.08E-04
3.33E+02	-2.02E-03	-1.55E-03	-3.25E-04
3.33E+02	-2.18E-03	-1.64E-03	-4.52E-04
3.33E+02	-2.42E-03	-1.62E-03	-5.43E-04
3.33E+02	-2.65E-03	-1.51E-03	-7.07E-04
3.33E+02	-2.87E-03	-1.36E-03	-8.89E-04
3.33E+02	-3.11E-03	-1.28E-03	-1.07E-03
3.33E+02	-3.26E-03	-1.27E-03	-1.16E-03
3.33E+02	-3.23E-03	-1.26E-03	-1.09E-03
3.33E+02	-3.04E-03	-1.29E-03	-1.04E-03

3.33E+02	-2.64E-03	-1.34E-03	-1.01E-03
3.33E+02	-2.13E-03	-1.39E-03	-9.44E-04
3.33E+02	-1.47E-03	-1.44E-03	-8.96E-04
3.33E+02	-7.07E-04	-1.50E-03	-8.50E-04
3.33E+02	4.62E-05	-1.56E-03	-8.29E-04
3.33E+02	8.17E-04	-1.63E-03	-8.02E-04
3.33E+02	1.57E-03	-1.69E-03	-6.14E-04
3.33E+02	2.25E-03	-1.76E-03	-3.16E-04
3.33E+02	2.84E-03	-1.85E-03	1.35E-05
3.33E+02	3.26E-03	-1.89E-03	3.71E-04
3.33E+02	3.56E-03	-1.86E-03	6.42E-04
3.33E+02	3.75E-03	-1.71E-03	8.00E-04
3.33E+02	3.76E-03	-1.44E-03	8.42E-04
3.33E+02	3.66E-03	-1.09E-03	7.81E-04
3.33E+02	3.51E-03	-7.02E-04	7.09E-04
3.33E+02	3.30E-03	-3.68E-04	5.95E-04
3.33E+02	3.09E-03	-1.42E-04	4.21E-04
3.33E+02	2.85E-03	2.12E-05	2.86E-04
3.33E+02	2.63E-03	1.52E-04	2.46E-04
3.33E+02	2.42E-03	2.53E-04	2.73E-04
3.33E+02	2.16E-03	2.91E-04	2.87E-04
3.33E+02	1.87E-03	2.61E-04	3.49E-04
3.33E+02	1.56E-03	2.04E-04	5.23E-04
3.33E+02	1.24E-03	9.21E-05	6.75E-04
3.33E+02	8.99E-04	-5.66E-05	7.68E-04
3.33E+02	5.39E-04	-1.52E-04	8.53E-04
3.33E+02	2.48E-04	-1.63E-04	9.14E-04
3.33E+02	3.80E-05	-7.42E-05	9.57E-04
3.33E+02	-1.72E-04	5.34E-05	9.04E-04
3.33E+02	-4.00E-04	1.51E-04	7.22E-04
3.33E+02	-6.34E-04	2.25E-04	5.48E-04
3.33E+02	-8.88E-04	2.20E-04	3.81E-04
3.33E+02	-1.20E-03	1.27E-04	1.91E-04
3.33E+02	-1.57E-03	1.14E-05	5.02E-05
3.33E+02	-1.93E-03	-7.88E-05	-5.55E-05
3.33E+02	-2.21E-03	-1.06E-04	-1.64E-04
3.33E+02	-2.46E-03	-1.30E-04	-3.31E-04
3.33E+02	-2.66E-03	-2.01E-04	-5.61E-04
3.33E+02	-2.74E-03	-2.65E-04	-7.14E-04
3.33E+02	-2.70E-03	-3.49E-04	-8.03E-04
3.33E+02	-2.62E-03	-4.97E-04	-9.21E-04
3.33E+02	-2.54E-03	-6.93E-04	-1.05E-03
3.33E+02	-2.41E-03	-9.36E-04	-1.22E-03
3.33E+02	-2.20E-03	-1.19E-03	-1.43E-03
3.33E+02	-1.99E-03	-1.43E-03	-1.62E-03
3.33E+02	-1.76E-03	-1.64E-03	-1.77E-03
3.33E+02	-1.45E-03	-1.73E-03	-1.78E-03

3.33E+02	-1.10E-03	-1.76E-03	-1.69E-03
3.33E+02	-7.07E-04	-1.79E-03	-1.60E-03
3.33E+02	-3.39E-04	-1.81E-03	-1.49E-03
3.33E+02	-5.72E-06	-1.84E-03	-1.38E-03
3.33E+02	3.42E-04	-1.80E-03	-1.30E-03
3.33E+02	6.38E-04	-1.71E-03	-1.21E-03
3.33E+02	8.84E-04	-1.62E-03	-1.15E-03
3.33E+02	1.13E-03	-1.44E-03	-9.64E-04
3.33E+02	1.36E-03	-1.18E-03	-6.72E-04
3.33E+02	1.56E-03	-8.80E-04	-3.98E-04
3.33E+02	1.71E-03	-5.19E-04	-6.52E-05
3.34E+02	1.82E-03	-1.02E-04	3.04E-04
3.34E+02	1.92E-03	3.47E-04	6.13E-04
3.34E+02	1.92E-03	7.69E-04	8.13E-04
3.34E+02	1.87E-03	1.14E-03	9.10E-04
3.34E+02	1.79E-03	1.46E-03	1.01E-03
3.34E+02	1.71E-03	1.72E-03	1.11E-03
3.34E+02	1.63E-03	1.93E-03	1.11E-03
3.34E+02	1.48E-03	2.10E-03	1.04E-03
3.34E+02	1.31E-03	2.21E-03	9.81E-04
3.34E+02	1.18E-03	2.30E-03	9.59E-04
3.34E+02	9.87E-04	2.27E-03	9.04E-04
3.34E+02	7.77E-04	2.06E-03	7.29E-04
3.34E+02	6.18E-04	1.74E-03	5.33E-04
3.34E+02	4.93E-04	1.36E-03	3.52E-04
3.34E+02	4.32E-04	9.30E-04	1.11E-04
3.34E+02	3.96E-04	4.94E-04	-1.34E-04
3.34E+02	3.95E-04	5.63E-05	-3.63E-04
3.34E+02	4.91E-04	-3.41E-04	-5.34E-04
3.34E+02	5.93E-04	-6.72E-04	-5.92E-04
3.34E+02	6.43E-04	-9.61E-04	-6.52E-04
3.34E+02	6.51E-04	-1.14E-03	-7.08E-04
3.34E+02	5.91E-04	-1.20E-03	-7.39E-04
3.34E+02	4.57E-04	-1.19E-03	-8.14E-04
3.34E+02	1.96E-04	-1.11E-03	-8.09E-04
3.34E+02	-1.66E-04	-9.75E-04	-6.95E-04
3.34E+02	-5.52E-04	-8.18E-04	-5.18E-04
3.34E+02	-1.02E-03	-6.54E-04	-2.87E-04
3.34E+02	-1.54E-03	-5.38E-04	-1.31E-04
3.34E+02	-2.02E-03	-4.26E-04	-8.01E-06
3.34E+02	-2.42E-03	-2.68E-04	1.24E-04
3.34E+02	-2.73E-03	-1.06E-04	1.72E-04
3.34E+02	-3.01E-03	2.27E-05	1.79E-04
3.34E+02	-3.22E-03	8.41E-05	1.66E-04
3.34E+02	-3.29E-03	7.63E-05	1.06E-04
3.34E+02	-3.26E-03	2.23E-05	3.24E-05
3.34E+02	-3.16E-03	-9.31E-05	-1.26E-05

3.34E+02	-2.95E-03	-2.11E-04	5.87E-05
3.34E+02	-2.65E-03	-2.90E-04	2.38E-04
3.34E+02	-2.27E-03	-3.69E-04	3.61E-04
3.34E+02	-1.86E-03	-4.16E-04	4.62E-04
3.34E+02	-1.49E-03	-4.34E-04	6.30E-04
3.34E+02	-1.13E-03	-4.90E-04	7.64E-04
3.34E+02	-8.27E-04	-5.81E-04	8.20E-04
3.34E+02	-6.23E-04	-7.02E-04	7.84E-04
3.34E+02	-4.27E-04	-7.80E-04	7.51E-04
3.34E+02	-2.25E-04	-7.51E-04	8.38E-04
3.34E+02	-9.14E-05	-6.71E-04	9.41E-04
3.34E+02	-3.26E-05	-5.33E-04	1.03E-03
3.34E+02	-1.20E-05	-3.60E-04	1.07E-03
3.34E+02	4.22E-05	-2.23E-04	9.64E-04
3.34E+02	1.02E-04	-1.19E-04	7.20E-04
3.34E+02	1.12E-04	-7.48E-05	3.67E-04
3.34E+02	1.45E-04	-7.17E-05	1.39E-05
3.34E+02	1.71E-04	-7.38E-05	-2.84E-04
3.34E+02	1.75E-04	-1.12E-04	-6.20E-04
3.34E+02	1.99E-04	-1.62E-04	-9.44E-04
3.34E+02	1.90E-04	-1.95E-04	-1.18E-03
3.34E+02	1.89E-04	-1.85E-04	-1.37E-03
3.34E+02	1.91E-04	-8.87E-05	-1.54E-03
3.34E+02	1.26E-04	5.47E-05	-1.73E-03
3.34E+02	5.34E-05	2.42E-04	-1.86E-03
3.34E+02	-1.07E-05	4.77E-04	-1.77E-03
3.34E+02	-7.76E-05	6.58E-04	-1.62E-03
3.34E+02	-1.93E-04	7.57E-04	-1.44E-03
3.34E+02	-3.95E-04	8.22E-04	-1.16E-03
3.34E+02	-6.04E-04	8.92E-04	-8.35E-04
3.34E+02	-8.36E-04	9.86E-04	-4.37E-04
3.34E+02	-1.13E-03	1.06E-03	-5.53E-05
3.34E+02	-1.43E-03	1.11E-03	3.10E-04
3.34E+02	-1.71E-03	1.14E-03	7.00E-04
3.34E+02	-1.92E-03	1.08E-03	9.53E-04
3.34E+02	-2.06E-03	9.24E-04	1.07E-03
3.34E+02	-2.14E-03	6.97E-04	1.15E-03
3.34E+02	-2.03E-03	4.23E-04	1.19E-03
3.34E+02	-1.77E-03	9.99E-05	1.17E-03
3.34E+02	-1.41E-03	-2.91E-04	9.92E-04
3.34E+02	-9.32E-04	-7.10E-04	6.91E-04
3.34E+02	-3.93E-04	-1.08E-03	4.30E-04
3.34E+02	1.52E-04	-1.38E-03	1.57E-04
3.34E+02	6.27E-04	-1.64E-03	-1.30E-04
3.34E+02	9.86E-04	-1.83E-03	-3.94E-04
3.34E+02	1.28E-03	-1.92E-03	-6.34E-04
3.34E+02	1.49E-03	-1.94E-03	-6.86E-04

3.34E+02	1.60E-03	-1.88E-03	-5.25E-04
3.34E+02	1.65E-03	-1.77E-03	-2.37E-04
3.34E+02	1.71E-03	-1.58E-03	1.64E-04
3.34E+02	1.81E-03	-1.34E-03	5.08E-04
3.34E+02	1.97E-03	-1.13E-03	7.01E-04
3.34E+02	2.14E-03	-9.59E-04	8.18E-04
3.34E+02	2.35E-03	-8.00E-04	8.68E-04
3.34E+02	2.58E-03	-6.51E-04	8.86E-04
3.34E+02	2.73E-03	-5.38E-04	8.31E-04
3.34E+02	2.79E-03	-4.86E-04	7.30E-04
3.34E+02	2.81E-03	-4.34E-04	7.42E-04
3.34E+02	2.76E-03	-3.82E-04	7.82E-04
3.34E+02	2.60E-03	-3.62E-04	8.05E-04
3.34E+02	2.31E-03	-3.23E-04	8.64E-04
3.34E+02	1.98E-03	-2.68E-04	8.67E-04
3.34E+02	1.66E-03	-1.98E-04	8.33E-04
3.34E+02	1.33E-03	-1.20E-04	7.57E-04
3.34E+02	1.02E-03	-7.19E-05	6.32E-04
3.34E+02	7.55E-04	-3.09E-05	5.69E-04
3.34E+02	4.91E-04	-3.89E-05	5.16E-04
3.34E+02	2.12E-04	-1.40E-04	4.33E-04
3.34E+02	-1.21E-04	-2.92E-04	3.77E-04
3.34E+02	-4.58E-04	-4.59E-04	3.38E-04
3.34E+02	-7.56E-04	-5.89E-04	3.65E-04
3.34E+02	-1.06E-03	-6.89E-04	4.26E-04
3.34E+02	-1.33E-03	-7.74E-04	4.56E-04
3.34E+02	-1.52E-03	-7.77E-04	5.24E-04
3.34E+02	-1.62E-03	-6.95E-04	5.95E-04
3.34E+02	-1.66E-03	-5.87E-04	6.17E-04
3.34E+02	-1.68E-03	-4.31E-04	6.36E-04
3.34E+02	-1.63E-03	-2.34E-04	6.52E-04
3.34E+02	-1.51E-03	-3.72E-05	6.47E-04
3.34E+02	-1.43E-03	1.40E-04	5.87E-04
3.34E+02	-1.36E-03	2.91E-04	4.79E-04
3.34E+02	-1.33E-03	4.30E-04	4.31E-04
3.34E+02	-1.36E-03	5.47E-04	4.36E-04
3.34E+02	-1.41E-03	6.40E-04	4.16E-04
3.34E+02	-1.51E-03	7.24E-04	3.64E-04
3.34E+02	-1.59E-03	7.90E-04	2.43E-04
3.34E+02	-1.60E-03	8.39E-04	5.21E-05
3.34E+02	-1.56E-03	8.03E-04	-2.12E-04
3.34E+02	-1.44E-03	6.33E-04	-5.28E-04
3.34E+02	-1.24E-03	4.04E-04	-7.66E-04
3.34E+02	-9.90E-04	1.59E-04	-9.49E-04
3.34E+02	-7.23E-04	-6.48E-05	-1.09E-03
3.34E+02	-5.03E-04	-2.24E-04	-1.11E-03
3.34E+02	-3.20E-04	-3.40E-04	-1.09E-03

3.34E+02	-1.65E-04	-4.07E-04	-1.04E-03
3.34E+02	-8.85E-05	-4.33E-04	-9.19E-04
3.34E+02	-1.06E-04	-4.71E-04	-8.08E-04
3.34E+02	-1.86E-04	-4.63E-04	-6.44E-04
3.34E+02	-2.72E-04	-4.06E-04	-4.03E-04
3.34E+02	-3.66E-04	-3.86E-04	-1.81E-04
3.34E+02	-5.18E-04	-4.05E-04	6.87E-05
3.34E+02	-6.93E-04	-4.93E-04	2.95E-04
3.34E+02	-8.41E-04	-6.31E-04	4.66E-04
3.34E+02	-1.01E-03	-7.68E-04	5.93E-04
3.34E+02	-1.19E-03	-9.19E-04	5.87E-04
3.34E+02	-1.35E-03	-1.04E-03	5.31E-04
3.34E+02	-1.50E-03	-1.09E-03	4.97E-04
3.34E+02	-1.69E-03	-1.08E-03	4.43E-04
3.34E+02	-1.93E-03	-9.93E-04	4.04E-04
3.34E+02	-2.15E-03	-8.59E-04	4.11E-04
3.34E+02	-2.29E-03	-6.77E-04	4.95E-04
3.34E+02	-2.38E-03	-4.87E-04	6.01E-04
3.34E+02	-2.41E-03	-3.42E-04	5.99E-04
3.34E+02	-2.31E-03	-1.96E-04	5.71E-04
3.34E+02	-2.06E-03	-2.75E-05	5.62E-04
3.34E+02	-1.66E-03	1.57E-04	4.81E-04
3.34E+02	-1.15E-03	3.87E-04	4.19E-04
3.34E+02	-6.16E-04	6.35E-04	3.74E-04
3.34E+02	-3.11E-05	9.00E-04	3.01E-04
3.34E+02	5.09E-04	1.15E-03	2.08E-04
3.34E+02	8.99E-04	1.26E-03	1.91E-06
3.34E+02	1.17E-03	1.24E-03	-1.85E-04
3.34E+02	1.32E-03	1.11E-03	-3.03E-04
3.34E+02	1.32E-03	8.18E-04	-5.21E-04
3.34E+02	1.16E-03	4.44E-04	-7.59E-04
3.34E+02	8.91E-04	6.28E-05	-9.64E-04
3.34E+02	6.29E-04	-2.94E-04	-1.18E-03
3.34E+02	3.70E-04	-5.94E-04	-1.37E-03
3.34E+02	1.01E-04	-8.57E-04	-1.56E-03
3.34E+02	-8.70E-05	-1.05E-03	-1.67E-03
3.34E+02	-1.64E-04	-1.17E-03	-1.64E-03
3.34E+02	-1.68E-04	-1.22E-03	-1.58E-03
3.34E+02	-1.42E-04	-1.17E-03	-1.47E-03
3.34E+02	-9.54E-05	-1.03E-03	-1.33E-03
3.34E+02	1.96E-05	-7.87E-04	-1.18E-03
3.34E+02	1.29E-04	-4.81E-04	-9.81E-04
3.34E+02	1.85E-04	-1.95E-04	-7.93E-04
3.34E+02	2.49E-04	9.25E-05	-5.39E-04
3.34E+02	2.91E-04	3.54E-04	-2.13E-04
3.34E+02	2.85E-04	5.33E-04	5.70E-05
3.34E+02	2.01E-04	6.60E-04	2.87E-04

3.34E+02	3.62E-05	7.48E-04	4.78E-04
3.34E+02	-1.24E-04	8.00E-04	6.12E-04
3.34E+02	-2.95E-04	8.34E-04	7.33E-04
3.34E+02	-4.78E-04	8.06E-04	8.23E-04
3.34E+02	-5.78E-04	7.20E-04	9.11E-04
3.34E+02	-5.90E-04	5.77E-04	9.58E-04
3.34E+02	-5.16E-04	3.19E-04	8.51E-04
3.34E+02	-3.78E-04	-6.68E-06	7.18E-04
3.34E+02	-2.21E-04	-3.31E-04	6.73E-04
3.34E+02	5.72E-07	-5.98E-04	6.69E-04
3.34E+02	2.23E-04	-7.80E-04	6.80E-04
3.34E+02	3.64E-04	-9.19E-04	6.04E-04
3.34E+02	4.54E-04	-9.94E-04	4.68E-04
3.34E+02	4.73E-04	-9.70E-04	3.99E-04
3.34E+02	4.22E-04	-8.84E-04	3.15E-04
3.34E+02	3.07E-04	-7.43E-04	1.76E-04
3.34E+02	1.55E-04	-5.27E-04	4.75E-05
3.34E+02	6.60E-05	-2.41E-04	-2.19E-05
3.34E+02	3.11E-05	9.96E-05	-1.39E-05
3.34E+02	8.20E-06	4.20E-04	-4.25E-05
3.34E+02	3.45E-05	6.89E-04	-1.53E-04
3.34E+02	1.01E-04	9.17E-04	-2.77E-04
3.34E+02	2.00E-04	1.07E-03	-4.63E-04
3.35E+02	3.14E-04	1.20E-03	-7.46E-04
3.35E+02	3.71E-04	1.33E-03	-1.07E-03
3.35E+02	3.88E-04	1.49E-03	-1.36E-03
3.35E+02	3.34E-04	1.74E-03	-1.51E-03
3.35E+02	1.45E-04	2.01E-03	-1.52E-03
3.35E+02	-1.08E-04	2.27E-03	-1.44E-03
3.35E+02	-4.03E-04	2.55E-03	-1.27E-03
3.35E+02	-7.29E-04	2.79E-03	-1.09E-03
3.35E+02	-1.04E-03	3.00E-03	-9.16E-04
3.35E+02	-1.32E-03	3.17E-03	-7.14E-04
3.35E+02	-1.48E-03	3.32E-03	-5.46E-04
3.35E+02	-1.50E-03	3.48E-03	-4.21E-04
3.35E+02	-1.45E-03	3.55E-03	-4.14E-04
3.35E+02	-1.31E-03	3.50E-03	-5.32E-04
3.35E+02	-1.08E-03	3.36E-03	-5.92E-04
3.35E+02	-8.01E-04	3.09E-03	-6.03E-04
3.35E+02	-5.13E-04	2.72E-03	-5.85E-04
3.35E+02	-2.50E-04	2.28E-03	-4.39E-04
3.35E+02	2.04E-05	1.80E-03	-2.47E-04
3.35E+02	2.94E-04	1.32E-03	-3.55E-05
3.35E+02	5.64E-04	8.36E-04	1.75E-04
3.35E+02	8.43E-04	3.42E-04	3.50E-04
3.35E+02	1.13E-03	-9.12E-05	5.03E-04
3.35E+02	1.42E-03	-4.75E-04	4.92E-04

3.35E+02	1.70E-03	-8.22E-04	3.81E-04
3.35E+02	1.94E-03	-1.07E-03	3.03E-04
3.35E+02	2.11E-03	-1.23E-03	2.41E-04
3.35E+02	2.21E-03	-1.27E-03	2.69E-04
3.35E+02	2.13E-03	-1.18E-03	3.45E-04
3.35E+02	1.90E-03	-1.01E-03	4.28E-04
3.35E+02	1.56E-03	-6.88E-04	5.97E-04
3.35E+02	1.16E-03	-2.68E-04	7.87E-04
3.35E+02	7.45E-04	1.67E-04	9.63E-04
3.35E+02	2.94E-04	6.11E-04	1.17E-03
3.35E+02	-8.64E-05	1.04E-03	1.38E-03
3.35E+02	-3.16E-04	1.47E-03	1.62E-03
3.35E+02	-4.68E-04	1.88E-03	1.79E-03
3.35E+02	-5.33E-04	2.21E-03	1.78E-03
3.35E+02	-4.91E-04	2.49E-03	1.63E-03
3.35E+02	-3.86E-04	2.69E-03	1.29E-03
3.35E+02	-2.32E-04	2.81E-03	8.99E-04
3.35E+02	-9.71E-05	2.83E-03	5.95E-04
3.35E+02	2.82E-05	2.73E-03	3.21E-04
3.35E+02	1.80E-04	2.54E-03	1.51E-04
3.35E+02	2.78E-04	2.24E-03	6.18E-05
3.35E+02	3.38E-04	1.81E-03	-4.37E-05
3.35E+02	4.00E-04	1.33E-03	-1.52E-04
3.35E+02	4.87E-04	8.48E-04	-3.08E-04
3.35E+02	6.27E-04	4.18E-04	-4.69E-04
3.35E+02	7.55E-04	9.59E-05	-5.13E-04
3.35E+02	8.97E-04	-1.05E-04	-4.79E-04
3.35E+02	1.07E-03	-1.91E-04	-4.10E-04
3.35E+02	1.19E-03	-2.22E-04	-3.53E-04
3.35E+02	1.26E-03	-2.78E-04	-3.36E-04
3.35E+02	1.32E-03	-3.52E-04	-2.55E-04
3.35E+02	1.37E-03	-4.14E-04	-1.62E-04
3.35E+02	1.39E-03	-4.45E-04	-1.31E-04
3.35E+02	1.36E-03	-3.99E-04	-8.85E-05
3.35E+02	1.30E-03	-2.99E-04	-6.41E-05
3.35E+02	1.23E-03	-1.98E-04	-5.05E-05
3.35E+02	1.10E-03	-1.24E-04	-4.46E-05
3.35E+02	9.14E-04	-1.18E-04	-1.28E-04
3.35E+02	7.78E-04	-1.48E-04	-2.21E-04
3.35E+02	7.00E-04	-1.92E-04	-3.12E-04
3.35E+02	6.91E-04	-2.51E-04	-4.92E-04
3.35E+02	7.07E-04	-2.53E-04	-7.04E-04
3.35E+02	7.07E-04	-1.78E-04	-9.29E-04
3.35E+02	7.25E-04	3.62E-06	-1.12E-03
3.35E+02	6.72E-04	2.70E-04	-1.22E-03
3.35E+02	5.16E-04	5.16E-04	-1.29E-03
3.35E+02	3.24E-04	7.43E-04	-1.25E-03

3.35E+02	1.15E-04	9.30E-04	-1.14E-03
3.35E+02	-9.63E-05	1.06E-03	-1.04E-03
3.35E+02	-3.31E-04	1.16E-03	-8.76E-04
3.35E+02	-5.35E-04	1.22E-03	-7.15E-04
3.35E+02	-6.09E-04	1.27E-03	-5.53E-04
3.35E+02	-6.35E-04	1.28E-03	-3.19E-04
3.35E+02	-6.52E-04	1.16E-03	-1.10E-04
3.35E+02	-6.21E-04	9.52E-04	1.25E-04
3.35E+02	-5.56E-04	6.87E-04	3.72E-04
3.35E+02	-4.66E-04	3.45E-04	4.80E-04
3.35E+02	-4.19E-04	-1.34E-06	5.66E-04
3.35E+02	-4.13E-04	-2.92E-04	7.29E-04
3.35E+02	-3.85E-04	-5.00E-04	9.65E-04
3.35E+02	-3.78E-04	-6.23E-04	1.25E-03
3.35E+02	-4.12E-04	-7.38E-04	1.41E-03
3.35E+02	-4.13E-04	-8.34E-04	1.46E-03
3.35E+02	-3.56E-04	-8.92E-04	1.38E-03
3.35E+02	-2.58E-04	-9.39E-04	1.07E-03
3.35E+02	-1.22E-04	-9.30E-04	6.66E-04
3.35E+02	7.48E-05	-8.67E-04	2.26E-04
3.35E+02	3.81E-04	-7.25E-04	-1.73E-04
3.35E+02	7.39E-04	-5.25E-04	-4.99E-04
3.35E+02	1.06E-03	-3.76E-04	-8.78E-04
3.35E+02	1.35E-03	-2.22E-04	-1.18E-03
3.35E+02	1.60E-03	-5.00E-05	-1.34E-03
3.35E+02	1.83E-03	9.63E-05	-1.51E-03
3.35E+02	1.98E-03	2.77E-04	-1.61E-03
3.35E+02	2.04E-03	5.02E-04	-1.67E-03
3.35E+02	2.04E-03	7.61E-04	-1.67E-03
3.35E+02	1.93E-03	1.02E-03	-1.57E-03
3.35E+02	1.70E-03	1.21E-03	-1.48E-03
3.35E+02	1.41E-03	1.32E-03	-1.34E-03
3.35E+02	1.10E-03	1.40E-03	-1.12E-03
3.35E+02	7.81E-04	1.45E-03	-9.78E-04
3.35E+02	4.44E-04	1.47E-03	-9.37E-04
3.35E+02	1.20E-04	1.47E-03	-9.61E-04
3.35E+02	-1.28E-04	1.45E-03	-9.94E-04
3.35E+02	-3.40E-04	1.41E-03	-9.34E-04
3.35E+02	-5.84E-04	1.31E-03	-7.74E-04
3.35E+02	-8.33E-04	1.17E-03	-4.92E-04
3.35E+02	-1.07E-03	1.05E-03	-1.30E-04
3.35E+02	-1.29E-03	9.28E-04	1.37E-04
3.35E+02	-1.49E-03	8.17E-04	2.93E-04
3.35E+02	-1.66E-03	7.68E-04	4.47E-04
3.35E+02	-1.70E-03	8.21E-04	6.07E-04
3.35E+02	-1.63E-03	9.64E-04	7.41E-04
3.35E+02	-1.52E-03	1.11E-03	8.27E-04

3.35E+02	-1.31E-03	1.23E-03	9.49E-04
3.35E+02	-1.02E-03	1.29E-03	1.21E-03
3.35E+02	-6.99E-04	1.21E-03	1.47E-03
3.35E+02	-4.14E-04	9.98E-04	1.60E-03
3.35E+02	-2.01E-04	7.40E-04	1.67E-03
3.35E+02	9.54E-06	5.02E-04	1.62E-03
3.35E+02	1.89E-04	3.57E-04	1.52E-03
3.35E+02	2.89E-04	2.79E-04	1.41E-03
3.35E+02	3.70E-04	2.78E-04	1.27E-03
3.35E+02	4.31E-04	3.28E-04	1.14E-03
3.35E+02	4.81E-04	3.34E-04	9.08E-04
3.35E+02	5.33E-04	2.90E-04	5.99E-04
3.35E+02	5.68E-04	1.91E-04	3.25E-04
3.35E+02	6.20E-04	4.84E-05	9.44E-05
3.35E+02	6.61E-04	-1.11E-04	-4.43E-05
3.35E+02	6.32E-04	-3.04E-04	-1.57E-04
3.35E+02	5.45E-04	-4.64E-04	-2.68E-04
3.35E+02	4.06E-04	-4.99E-04	-3.05E-04
3.35E+02	2.10E-04	-4.32E-04	-3.85E-04
3.35E+02	-8.20E-06	-2.74E-04	-4.77E-04
3.35E+02	-2.22E-04	-1.85E-05	-4.87E-04
3.35E+02	-3.38E-04	2.80E-04	-4.65E-04
3.35E+02	-3.23E-04	6.07E-04	-3.66E-04
3.35E+02	-2.43E-04	8.87E-04	-2.32E-04
3.35E+02	-7.92E-05	1.09E-03	-8.70E-05
3.35E+02	1.43E-04	1.24E-03	1.39E-04
3.35E+02	4.11E-04	1.27E-03	2.95E-04
3.35E+02	6.93E-04	1.20E-03	3.22E-04
3.35E+02	9.09E-04	1.06E-03	3.10E-04
3.35E+02	1.13E-03	8.69E-04	2.41E-04
3.35E+02	1.31E-03	6.77E-04	1.54E-04
3.35E+02	1.38E-03	4.31E-04	2.17E-05
3.35E+02	1.38E-03	1.74E-04	-1.28E-04
3.35E+02	1.34E-03	-4.10E-05	-1.37E-04
3.35E+02	1.22E-03	-2.60E-04	-7.04E-05
3.35E+02	1.05E-03	-4.48E-04	3.38E-05
3.35E+02	8.02E-04	-5.84E-04	1.95E-04
3.35E+02	5.86E-04	-6.73E-04	3.66E-04
3.35E+02	4.69E-04	-6.81E-04	6.00E-04
3.35E+02	3.60E-04	-6.96E-04	7.93E-04
3.35E+02	2.84E-04	-7.67E-04	8.74E-04
3.35E+02	2.50E-04	-8.12E-04	9.49E-04
3.35E+02	2.37E-04	-8.68E-04	8.87E-04
3.35E+02	2.52E-04	-9.52E-04	6.15E-04
3.35E+02	2.27E-04	-1.01E-03	2.80E-04
3.35E+02	2.27E-04	-1.01E-03	-4.65E-05
3.35E+02	2.71E-04	-9.41E-04	-2.74E-04

3.35E+02	2.75E-04	-8.36E-04	-4.47E-04
3.35E+02	2.83E-04	-7.46E-04	-6.46E-04
3.35E+02	2.94E-04	-6.06E-04	-7.41E-04
3.35E+02	2.76E-04	-4.20E-04	-7.67E-04
3.35E+02	2.03E-04	-2.32E-04	-8.20E-04
3.35E+02	4.06E-05	-3.64E-05	-8.80E-04
3.35E+02	-1.28E-04	1.75E-04	-9.84E-04
3.35E+02	-2.71E-04	4.00E-04	-1.03E-03
3.35E+02	-4.22E-04	5.82E-04	-8.95E-04
3.35E+02	-5.58E-04	6.80E-04	-5.78E-04
3.35E+02	-6.26E-04	7.75E-04	-5.65E-05
3.35E+02	-5.94E-04	8.81E-04	5.00E-04
3.35E+02	-5.15E-04	9.34E-04	8.92E-04
3.35E+02	-4.07E-04	9.75E-04	1.17E-03
3.35E+02	-1.96E-04	1.04E-03	1.35E-03
3.35E+02	1.33E-04	1.17E-03	1.40E-03
3.35E+02	5.06E-04	1.31E-03	1.29E-03
3.35E+02	8.90E-04	1.41E-03	1.05E-03
3.35E+02	1.29E-03	1.50E-03	8.55E-04
3.35E+02	1.66E-03	1.59E-03	6.96E-04
3.35E+02	1.96E-03	1.63E-03	4.95E-04
3.35E+02	2.11E-03	1.66E-03	3.40E-04
3.35E+02	2.15E-03	1.68E-03	2.25E-04
3.35E+02	2.13E-03	1.72E-03	1.50E-04
3.35E+02	2.02E-03	1.80E-03	7.61E-05
3.35E+02	1.85E-03	1.87E-03	-4.81E-05
3.35E+02	1.70E-03	1.96E-03	-5.99E-05
3.35E+02	1.56E-03	2.04E-03	3.24E-05
3.35E+02	1.42E-03	2.04E-03	8.41E-05
3.35E+02	1.23E-03	2.00E-03	1.63E-04
3.35E+02	1.02E-03	1.91E-03	2.61E-04
3.35E+02	8.38E-04	1.76E-03	3.53E-04
3.35E+02	6.40E-04	1.55E-03	4.48E-04
3.35E+02	4.18E-04	1.25E-03	4.53E-04
3.35E+02	2.51E-04	9.81E-04	4.75E-04
3.36E+02	1.42E-04	7.72E-04	5.39E-04
3.36E+02	5.44E-05	5.43E-04	5.04E-04
3.36E+02	-6.75E-05	3.13E-04	3.93E-04
3.36E+02	-1.94E-04	5.17E-05	1.66E-04
3.36E+02	-2.73E-04	-2.41E-04	-1.42E-04
3.36E+02	-3.58E-04	-5.69E-04	-3.97E-04
3.36E+02	-4.68E-04	-9.51E-04	-6.37E-04
3.36E+02	-5.65E-04	-1.31E-03	-7.96E-04
3.36E+02	-6.46E-04	-1.60E-03	-8.35E-04
3.36E+02	-7.34E-04	-1.82E-03	-8.22E-04
3.36E+02	-8.37E-04	-1.98E-03	-7.03E-04
3.36E+02	-9.24E-04	-2.08E-03	-5.27E-04

3.36E+02	-9.45E-04	-2.14E-03	-3.75E-04
3.36E+02	-9.25E-04	-2.16E-03	-2.52E-04
3.36E+02	-8.60E-04	-2.17E-03	-1.91E-04
3.36E+02	-7.18E-04	-2.12E-03	-1.02E-04
3.36E+02	-5.31E-04	-1.98E-03	3.49E-05
3.36E+02	-3.33E-04	-1.79E-03	1.20E-04
3.36E+02	-2.03E-04	-1.54E-03	1.63E-04
3.36E+02	-1.35E-04	-1.29E-03	1.67E-04
3.36E+02	-4.71E-05	-1.02E-03	1.38E-04
3.36E+02	1.09E-05	-7.30E-04	1.17E-04
3.36E+02	8.39E-06	-4.69E-04	1.22E-04
3.36E+02	-1.05E-05	-1.97E-04	2.50E-04
3.36E+02	-3.57E-05	8.37E-05	4.68E-04
3.36E+02	-8.41E-05	3.58E-04	6.03E-04
3.36E+02	-1.77E-04	6.64E-04	6.72E-04
3.36E+02	-2.75E-04	9.83E-04	6.90E-04
3.36E+02	-2.99E-04	1.31E-03	6.17E-04
3.36E+02	-2.69E-04	1.58E-03	4.67E-04
3.36E+02	-1.98E-04	1.72E-03	2.21E-04
3.36E+02	-3.38E-05	1.76E-03	9.54E-07
3.36E+02	2.05E-04	1.68E-03	-9.80E-05
3.36E+02	4.81E-04	1.44E-03	-1.45E-04
3.36E+02	7.60E-04	1.09E-03	-1.26E-04
3.36E+02	1.03E-03	6.86E-04	-6.28E-05
3.36E+02	1.36E-03	2.80E-04	1.95E-05
3.36E+02	1.70E-03	-1.01E-04	1.16E-04
3.36E+02	1.98E-03	-4.94E-04	1.04E-04
3.36E+02	2.21E-03	-8.65E-04	2.17E-05
3.36E+02	2.38E-03	-1.19E-03	-4.94E-05
3.36E+02	2.49E-03	-1.49E-03	-1.87E-04
3.36E+02	2.50E-03	-1.73E-03	-3.14E-04
3.36E+02	2.43E-03	-1.91E-03	-3.76E-04
3.36E+02	2.36E-03	-1.98E-03	-4.09E-04
3.36E+02	2.24E-03	-1.96E-03	-3.71E-04
3.36E+02	2.10E-03	-1.92E-03	-2.92E-04
3.36E+02	1.95E-03	-1.86E-03	-1.63E-04
3.36E+02	1.80E-03	-1.80E-03	6.35E-05
3.36E+02	1.65E-03	-1.74E-03	3.30E-04
3.36E+02	1.47E-03	-1.67E-03	5.77E-04
3.36E+02	1.26E-03	-1.58E-03	8.00E-04
3.36E+02	1.08E-03	-1.40E-03	9.47E-04
3.36E+02	9.00E-04	-1.17E-03	9.56E-04
3.36E+02	6.95E-04	-9.20E-04	8.65E-04
3.36E+02	5.17E-04	-6.28E-04	7.49E-04
3.36E+02	3.83E-04	-3.02E-04	6.74E-04
3.36E+02	2.71E-04	8.01E-06	5.81E-04
3.36E+02	1.62E-04	2.95E-04	4.70E-04

3.36E+02	4.04E-05	5.64E-04	4.53E-04
3.36E+02	-2.06E-05	8.07E-04	4.76E-04
3.36E+02	-3.11E-05	1.02E-03	4.68E-04
3.36E+02	-5.19E-05	1.15E-03	3.51E-04
3.36E+02	-4.77E-05	1.19E-03	1.09E-04
3.36E+02	-2.65E-05	1.21E-03	-1.38E-04
3.36E+02	-1.53E-06	1.18E-03	-3.82E-04
3.36E+02	-1.81E-05	1.11E-03	-6.05E-04
3.36E+02	-1.06E-04	9.82E-04	-7.70E-04
3.36E+02	-1.84E-04	8.00E-04	-8.75E-04
3.36E+02	-2.73E-04	5.80E-04	-8.72E-04
3.36E+02	-3.98E-04	3.02E-04	-7.97E-04
3.36E+02	-4.96E-04	7.25E-06	-6.60E-04
3.36E+02	-5.40E-04	-2.40E-04	-3.93E-04
3.36E+02	-5.08E-04	-4.51E-04	-1.09E-04
3.36E+02	-4.54E-04	-6.38E-04	7.32E-05
3.36E+02	-4.00E-04	-7.82E-04	1.91E-04
3.36E+02	-2.53E-04	-8.32E-04	2.94E-04
3.36E+02	-5.74E-05	-8.03E-04	3.82E-04
3.36E+02	1.02E-04	-8.07E-04	3.57E-04
3.36E+02	2.54E-04	-8.64E-04	2.14E-04
3.36E+02	3.94E-04	-9.22E-04	9.46E-05
3.36E+02	4.87E-04	-1.01E-03	-1.89E-05
3.36E+02	5.14E-04	-1.10E-03	-1.44E-04
3.36E+02	4.50E-04	-1.15E-03	-2.27E-04
3.36E+02	3.61E-04	-1.16E-03	-3.27E-04
3.36E+02	2.76E-04	-1.10E-03	-4.24E-04
3.36E+02	1.33E-04	-1.01E-03	-5.16E-04
3.36E+02	-8.58E-06	-9.26E-04	-6.23E-04
3.36E+02	-1.22E-04	-8.10E-04	-6.13E-04
3.36E+02	-2.38E-04	-7.30E-04	-5.46E-04
3.36E+02	-3.78E-04	-7.14E-04	-5.04E-04
3.36E+02	-5.88E-04	-7.41E-04	-4.41E-04
3.36E+02	-7.93E-04	-7.82E-04	-4.08E-04
3.36E+02	-9.55E-04	-8.12E-04	-3.78E-04
3.36E+02	-1.13E-03	-8.65E-04	-3.37E-04
3.36E+02	-1.25E-03	-9.39E-04	-2.67E-04
3.36E+02	-1.31E-03	-1.01E-03	-8.28E-05
3.36E+02	-1.31E-03	-1.11E-03	1.23E-04
3.36E+02	-1.29E-03	-1.26E-03	2.96E-04
3.36E+02	-1.29E-03	-1.46E-03	4.55E-04
3.36E+02	-1.26E-03	-1.71E-03	5.18E-04
3.36E+02	-1.16E-03	-1.93E-03	4.76E-04
3.36E+02	-1.05E-03	-2.11E-03	3.32E-04
3.36E+02	-8.95E-04	-2.20E-03	1.45E-04
3.36E+02	-6.92E-04	-2.19E-03	6.56E-05
3.36E+02	-4.55E-04	-2.14E-03	-1.07E-05

3.36E+02	-2.19E-04	-2.09E-03	-1.97E-04
3.36E+02	-2.14E-05	-1.99E-03	-3.87E-04
3.36E+02	1.71E-04	-1.88E-03	-5.87E-04
3.36E+02	3.95E-04	-1.73E-03	-7.52E-04
3.36E+02	6.14E-04	-1.54E-03	-8.30E-04
3.36E+02	8.07E-04	-1.38E-03	-8.88E-04
3.36E+02	9.91E-04	-1.18E-03	-8.41E-04
3.36E+02	1.15E-03	-9.60E-04	-7.20E-04
3.36E+02	1.22E-03	-7.59E-04	-5.69E-04
3.36E+02	1.16E-03	-5.64E-04	-3.23E-04
3.36E+02	1.03E-03	-3.79E-04	-9.42E-05
3.36E+02	8.85E-04	-2.13E-04	7.48E-05
3.36E+02	6.72E-04	-5.40E-05	1.62E-04
3.36E+02	4.32E-04	9.31E-05	1.13E-04
3.36E+02	2.28E-04	2.61E-04	6.81E-05
3.36E+02	6.03E-05	4.41E-04	3.30E-05
3.36E+02	-7.86E-05	5.61E-04	-7.46E-05
3.36E+02	-2.38E-04	6.09E-04	-1.59E-04
3.36E+02	-3.69E-04	5.81E-04	-2.09E-04
3.36E+02	-4.44E-04	4.85E-04	-2.58E-04
3.36E+02	-5.49E-04	3.14E-04	-3.61E-04
3.36E+02	-6.59E-04	6.03E-05	-5.79E-04
3.36E+02	-7.69E-04	-1.90E-04	-7.55E-04
3.36E+02	-8.79E-04	-3.89E-04	-8.00E-04
3.36E+02	-9.67E-04	-5.38E-04	-7.43E-04
3.36E+02	-1.08E-03	-6.44E-04	-5.95E-04
3.36E+02	-1.18E-03	-7.26E-04	-4.71E-04
3.36E+02	-1.23E-03	-7.99E-04	-4.07E-04
3.36E+02	-1.27E-03	-8.91E-04	-3.90E-04
3.36E+02	-1.27E-03	-1.01E-03	-4.09E-04
3.36E+02	-1.21E-03	-1.10E-03	-3.49E-04
3.36E+02	-1.08E-03	-1.15E-03	-2.64E-04
3.36E+02	-9.01E-04	-1.19E-03	-2.54E-04
3.36E+02	-7.40E-04	-1.19E-03	-2.12E-04
3.36E+02	-5.94E-04	-1.14E-03	-1.38E-04
3.36E+02	-4.30E-04	-1.06E-03	-1.12E-04
3.36E+02	-3.19E-04	-9.43E-04	-1.66E-04
3.36E+02	-2.66E-04	-8.17E-04	-3.23E-04
3.36E+02	-2.15E-04	-6.36E-04	-4.61E-04
3.36E+02	-1.71E-04	-3.92E-04	-4.96E-04
3.36E+02	-1.68E-04	-1.62E-04	-5.16E-04
3.36E+02	-2.72E-04	2.42E-05	-5.31E-04
3.36E+02	-4.56E-04	1.56E-04	-5.03E-04
3.36E+02	-6.51E-04	2.36E-04	-4.17E-04
3.36E+02	-8.75E-04	2.84E-04	-2.64E-04
3.36E+02	-1.08E-03	3.03E-04	-1.28E-04
3.36E+02	-1.22E-03	3.19E-04	1.66E-05

3.36E+02	-1.28E-03	3.34E-04	1.67E-04
3.36E+02	-1.28E-03	3.13E-04	1.82E-04
3.36E+02	-1.24E-03	2.77E-04	1.35E-04
3.36E+02	-1.16E-03	2.53E-04	8.20E-05
3.36E+02	-9.93E-04	2.61E-04	7.82E-06
3.36E+02	-8.26E-04	2.64E-04	-8.24E-05
3.36E+02	-6.78E-04	1.87E-04	-2.78E-04
3.36E+02	-4.99E-04	9.06E-05	-4.71E-04
3.36E+02	-3.09E-04	9.35E-06	-5.94E-04
3.36E+02	-1.01E-04	-7.00E-05	-7.23E-04
3.36E+02	9.19E-05	-1.02E-04	-7.57E-04
3.36E+02	2.59E-04	-9.17E-05	-7.15E-04
3.36E+02	4.76E-04	-2.96E-05	-6.61E-04
3.36E+02	6.96E-04	6.73E-05	-5.44E-04
3.36E+02	8.42E-04	1.01E-04	-4.78E-04
3.36E+02	9.50E-04	8.87E-05	-4.21E-04
3.36E+02	1.01E-03	6.87E-05	-3.18E-04
3.36E+02	1.00E-03	7.06E-06	-3.09E-04
3.36E+02	8.75E-04	-8.53E-05	-3.18E-04
3.36E+02	6.53E-04	-1.86E-04	-2.84E-04
3.36E+02	4.08E-04	-2.90E-04	-2.22E-04
3.36E+02	1.03E-04	-4.01E-04	-1.09E-04
3.36E+02	-2.60E-04	-5.07E-04	-3.87E-05
3.36E+02	-5.88E-04	-5.58E-04	8.96E-06
3.36E+02	-8.42E-04	-5.21E-04	9.86E-05
3.36E+02	-1.00E-03	-4.23E-04	1.93E-04
3.36E+02	-1.10E-03	-2.86E-04	3.24E-04
3.36E+02	-1.16E-03	-1.38E-04	4.43E-04
3.36E+02	-1.14E-03	-1.18E-05	4.54E-04
3.36E+02	-1.11E-03	7.25E-05	3.63E-04
3.36E+02	-1.13E-03	8.54E-05	1.71E-04
3.36E+02	-1.16E-03	5.00E-05	2.90E-05
3.36E+02	-1.18E-03	-1.66E-05	2.77E-05
3.36E+02	-1.20E-03	-1.64E-04	-7.25E-06
3.36E+02	-1.25E-03	-3.63E-04	-3.59E-05
3.36E+02	-1.31E-03	-5.28E-04	2.29E-05
3.36E+02	-1.31E-03	-6.32E-04	1.15E-04
3.36E+02	-1.29E-03	-6.74E-04	2.31E-04
3.36E+02	-1.31E-03	-6.85E-04	2.67E-04
3.36E+02	-1.30E-03	-6.83E-04	2.65E-04
3.36E+02	-1.28E-03	-6.46E-04	3.08E-04
3.36E+02	-1.26E-03	-5.85E-04	3.04E-04
3.36E+02	-1.25E-03	-5.13E-04	2.70E-04
3.36E+02	-1.25E-03	-4.37E-04	2.37E-04
3.36E+02	-1.18E-03	-3.40E-04	2.69E-04
3.36E+02	-1.07E-03	-2.00E-04	4.30E-04
3.36E+02	-9.41E-04	-7.02E-05	5.66E-04

3.37E+02	-7.98E-04	5.61E-05	6.80E-04
3.37E+02	-6.52E-04	2.29E-04	8.29E-04
3.37E+02	-5.00E-04	3.95E-04	8.54E-04
3.37E+02	-3.82E-04	5.30E-04	7.73E-04
3.37E+02	-3.31E-04	6.51E-04	6.88E-04
3.37E+02	-2.95E-04	7.46E-04	5.97E-04
3.37E+02	-3.00E-04	7.93E-04	5.08E-04
3.37E+02	-3.92E-04	7.15E-04	2.91E-04
3.37E+02	-5.21E-04	5.36E-04	-1.07E-05
3.37E+02	-6.36E-04	3.55E-04	-2.38E-04
3.37E+02	-7.38E-04	1.38E-04	-5.07E-04
3.37E+02	-8.10E-04	-7.51E-05	-8.00E-04
3.37E+02	-8.33E-04	-2.17E-04	-1.01E-03
3.37E+02	-7.95E-04	-3.28E-04	-1.20E-03
3.37E+02	-7.03E-04	-4.09E-04	-1.35E-03
3.37E+02	-6.16E-04	-5.02E-04	-1.45E-03
3.37E+02	-5.32E-04	-6.09E-04	-1.51E-03
3.37E+02	-4.31E-04	-6.91E-04	-1.43E-03
3.37E+02	-3.29E-04	-7.81E-04	-1.28E-03
3.37E+02	-2.30E-04	-8.71E-04	-1.08E-03
3.37E+02	-1.48E-04	-9.24E-04	-7.93E-04
3.37E+02	-3.64E-05	-9.10E-04	-4.34E-04
3.37E+02	1.07E-04	-8.08E-04	1.28E-05
3.37E+02	1.95E-04	-6.82E-04	3.87E-04
3.37E+02	2.63E-04	-5.56E-04	5.86E-04
3.37E+02	3.47E-04	-3.69E-04	7.02E-04
3.37E+02	4.15E-04	-1.74E-04	6.92E-04
3.37E+02	4.72E-04	1.81E-05	5.95E-04
3.37E+02	4.79E-04	2.15E-04	4.68E-04
3.37E+02	4.98E-04	3.85E-04	3.11E-04
3.37E+02	5.60E-04	5.71E-04	2.15E-04
3.37E+02	5.60E-04	6.85E-04	1.60E-04
3.37E+02	5.45E-04	6.71E-04	1.66E-04
3.37E+02	5.67E-04	6.00E-04	3.00E-04
3.37E+02	6.43E-04	4.52E-04	4.24E-04
3.37E+02	7.77E-04	2.78E-04	4.87E-04
3.37E+02	9.03E-04	1.58E-04	5.54E-04
3.37E+02	1.06E-03	1.14E-04	6.16E-04
3.37E+02	1.22E-03	1.55E-04	6.82E-04
3.37E+02	1.28E-03	1.84E-04	6.82E-04
3.37E+02	1.27E-03	1.13E-04	6.02E-04
3.37E+02	1.21E-03	-2.40E-05	5.53E-04
3.37E+02	1.07E-03	-2.31E-04	4.60E-04
3.37E+02	8.71E-04	-4.96E-04	2.91E-04
3.37E+02	6.10E-04	-7.45E-04	7.02E-05
3.37E+02	3.85E-04	-9.70E-04	-2.09E-04
3.37E+02	2.53E-04	-1.13E-03	-4.25E-04

3.37E+02	1.54E-04	-1.24E-03	-5.64E-04
3.37E+02	1.04E-04	-1.34E-03	-5.96E-04
3.37E+02	1.05E-04	-1.37E-03	-4.26E-04
3.37E+02	1.14E-04	-1.41E-03	-2.47E-04
3.37E+02	1.04E-04	-1.48E-03	-1.88E-04
3.37E+02	3.36E-05	-1.54E-03	-1.37E-04
3.37E+02	-4.04E-05	-1.56E-03	-5.70E-05
3.37E+02	-8.60E-05	-1.48E-03	6.08E-05
3.37E+02	-1.62E-04	-1.33E-03	1.69E-04
3.37E+02	-2.41E-04	-1.15E-03	2.38E-04
3.37E+02	-2.71E-04	-8.53E-04	3.76E-04
3.37E+02	-2.77E-04	-5.02E-04	5.07E-04
3.37E+02	-2.86E-04	-1.59E-04	5.31E-04
3.37E+02	-3.38E-04	1.89E-04	5.10E-04
3.37E+02	-4.32E-04	5.05E-04	4.04E-04
3.37E+02	-5.23E-04	7.95E-04	2.68E-04
3.37E+02	-6.58E-04	1.05E-03	1.92E-04
3.37E+02	-8.14E-04	1.24E-03	1.56E-04
3.37E+02	-9.15E-04	1.39E-03	2.46E-04
3.37E+02	-9.75E-04	1.50E-03	4.12E-04
3.37E+02	-9.82E-04	1.55E-03	5.48E-04
3.37E+02	-9.49E-04	1.58E-03	6.76E-04
3.37E+02	-8.48E-04	1.61E-03	7.37E-04
3.37E+02	-6.52E-04	1.66E-03	7.55E-04
3.37E+02	-4.53E-04	1.71E-03	7.38E-04
3.37E+02	-2.61E-04	1.68E-03	6.04E-04
3.37E+02	-7.06E-05	1.64E-03	4.56E-04
3.37E+02	9.75E-05	1.60E-03	3.36E-04
3.37E+02	2.30E-04	1.53E-03	1.85E-04
3.37E+02	2.74E-04	1.43E-03	1.26E-04
3.37E+02	2.75E-04	1.29E-03	2.25E-04
3.37E+02	2.66E-04	1.10E-03	4.01E-04
3.37E+02	1.93E-04	8.60E-04	5.48E-04
3.37E+02	8.43E-05	5.81E-04	5.93E-04
3.37E+02	5.72E-07	3.33E-04	6.07E-04
3.37E+02	-2.80E-05	1.38E-04	6.03E-04
3.37E+02	4.96E-06	-2.90E-05	5.31E-04
3.37E+02	6.03E-05	-1.30E-04	4.51E-04
3.37E+02	1.30E-04	-2.05E-04	3.82E-04
3.37E+02	2.19E-04	-2.66E-04	3.17E-04
3.37E+02	2.44E-04	-3.45E-04	2.53E-04
3.37E+02	1.91E-04	-5.03E-04	1.70E-04
3.37E+02	8.58E-05	-6.59E-04	1.75E-04
3.37E+02	-7.02E-05	-7.80E-04	2.96E-04
3.37E+02	-2.59E-04	-8.60E-04	4.41E-04
3.37E+02	-5.05E-04	-8.45E-04	6.09E-04
3.37E+02	-7.41E-04	-7.28E-04	7.49E-04

3.37E+02	-8.83E-04	-5.00E-04	7.97E-04
3.37E+02	-9.86E-04	-2.08E-04	7.55E-04
3.37E+02	-1.07E-03	6.60E-05	5.99E-04
3.37E+02	-1.09E-03	3.38E-04	4.33E-04
3.37E+02	-1.04E-03	6.04E-04	3.23E-04
3.37E+02	-9.52E-04	7.80E-04	1.90E-04
3.37E+02	-9.10E-04	8.73E-04	7.36E-05
3.37E+02	-8.92E-04	9.23E-04	-1.75E-05
3.37E+02	-8.21E-04	9.55E-04	-7.13E-05
3.37E+02	-7.11E-04	9.90E-04	-2.63E-05
3.37E+02	-5.56E-04	9.62E-04	3.05E-05
3.37E+02	-3.16E-04	8.72E-04	1.35E-04
3.37E+02	-1.47E-05	7.38E-04	3.08E-04
3.37E+02	3.20E-04	5.25E-04	4.13E-04
3.37E+02	6.10E-04	2.90E-04	4.72E-04
3.37E+02	8.43E-04	6.39E-05	5.00E-04
3.37E+02	1.07E-03	-1.13E-04	5.22E-04
3.37E+02	1.19E-03	-2.02E-04	5.93E-04
3.37E+02	1.18E-03	-2.71E-04	6.05E-04
3.37E+02	1.07E-03	-2.94E-04	5.95E-04
3.37E+02	8.74E-04	-2.60E-04	6.09E-04
3.37E+02	6.12E-04	-2.50E-04	5.64E-04
3.37E+02	2.75E-04	-2.58E-04	5.24E-04
3.37E+02	-1.15E-04	-2.67E-04	4.97E-04
3.37E+02	-4.60E-04	-2.53E-04	4.54E-04
3.37E+02	-7.68E-04	-1.87E-04	3.92E-04
3.37E+02	-1.06E-03	-1.36E-04	2.48E-04
3.37E+02	-1.29E-03	-8.95E-05	1.30E-04
3.37E+02	-1.42E-03	-7.63E-06	5.49E-05
3.37E+02	-1.45E-03	6.31E-05	-1.26E-04
3.37E+02	-1.42E-03	1.01E-04	-3.61E-04
3.37E+02	-1.36E-03	1.06E-04	-5.86E-04
3.37E+02	-1.17E-03	1.01E-04	-7.55E-04
3.37E+02	-9.30E-04	7.80E-05	-8.46E-04
3.37E+02	-7.03E-04	-4.77E-06	-9.05E-04
3.37E+02	-4.58E-04	-1.14E-04	-8.66E-04
3.37E+02	-2.48E-04	-2.30E-04	-7.10E-04
3.37E+02	-1.01E-04	-3.54E-04	-5.44E-04
3.37E+02	-2.65E-05	-4.37E-04	-3.72E-04
3.37E+02	-5.89E-05	-4.59E-04	-1.92E-04
3.37E+02	-1.25E-04	-4.13E-04	-7.95E-05
3.37E+02	-2.30E-04	-3.03E-04	-4.44E-05
3.37E+02	-4.02E-04	-2.00E-04	-6.10E-05
3.37E+02	-5.41E-04	-1.22E-04	-2.77E-05
3.37E+02	-6.34E-04	-6.60E-05	1.03E-04
3.37E+02	-6.90E-04	-9.75E-05	2.27E-04
3.37E+02	-7.06E-04	-2.11E-04	3.71E-04

3.37E+02	-7.20E-04	-3.83E-04	5.72E-04
3.37E+02	-6.78E-04	-5.88E-04	7.74E-04
3.37E+02	-5.88E-04	-7.71E-04	9.51E-04
3.37E+02	-5.04E-04	-9.24E-04	1.05E-03
3.37E+02	-3.93E-04	-1.02E-03	1.08E-03
3.37E+02	-2.35E-04	-1.01E-03	1.14E-03
3.37E+02	-2.57E-05	-9.38E-04	1.15E-03
3.37E+02	1.83E-04	-8.44E-04	1.09E-03
3.37E+02	3.46E-04	-7.59E-04	9.93E-04
3.37E+02	5.15E-04	-7.14E-04	8.40E-04
3.37E+02	6.87E-04	-7.08E-04	6.65E-04
3.37E+02	8.05E-04	-7.69E-04	4.43E-04
3.37E+02	8.90E-04	-8.80E-04	1.87E-04
3.37E+02	9.40E-04	-9.85E-04	-3.66E-05
3.37E+02	9.22E-04	-1.10E-03	-2.90E-04
3.37E+02	8.30E-04	-1.20E-03	-5.42E-04
3.37E+02	6.46E-04	-1.25E-03	-7.11E-04
3.37E+02	4.33E-04	-1.26E-03	-7.90E-04
3.37E+02	2.10E-04	-1.24E-03	-7.30E-04
3.37E+02	-9.63E-05	-1.20E-03	-6.05E-04
3.37E+02	-4.22E-04	-1.16E-03	-4.65E-04
3.37E+02	-7.08E-04	-1.06E-03	-2.79E-04
3.37E+02	-9.56E-04	-9.50E-04	-1.43E-04
3.37E+02	-1.15E-03	-8.50E-04	-4.44E-05
3.37E+02	-1.31E-03	-7.46E-04	8.39E-05
3.37E+02	-1.32E-03	-6.29E-04	2.29E-04
3.37E+02	-1.18E-03	-5.01E-04	3.94E-04
3.37E+02	-9.82E-04	-4.25E-04	4.82E-04
3.37E+02	-6.74E-04	-4.05E-04	4.96E-04
3.37E+02	-2.93E-04	-4.09E-04	5.62E-04
3.37E+02	1.17E-04	-4.37E-04	6.15E-04
3.37E+02	5.33E-04	-4.88E-04	6.28E-04
3.37E+02	8.59E-04	-5.62E-04	6.28E-04
3.37E+02	1.12E-03	-6.84E-04	5.32E-04
3.37E+02	1.34E-03	-8.44E-04	3.79E-04
3.37E+02	1.38E-03	-1.06E-03	1.98E-04
3.37E+02	1.32E-03	-1.33E-03	-2.99E-05
3.37E+02	1.22E-03	-1.58E-03	-1.73E-04
3.37E+02	1.07E-03	-1.79E-03	-2.60E-04
3.37E+02	8.96E-04	-1.95E-03	-3.69E-04
3.37E+02	6.79E-04	-2.00E-03	-3.87E-04
3.37E+02	4.80E-04	-1.92E-03	-2.97E-04
3.37E+02	3.47E-04	-1.70E-03	-1.37E-04
3.37E+02	2.43E-04	-1.38E-03	3.80E-05
3.37E+02	1.71E-04	-1.03E-03	1.50E-04
3.37E+02	1.55E-04	-6.24E-04	2.67E-04
3.37E+02	1.87E-04	-1.67E-04	3.68E-04

3.37E+02	2.09E-04	2.65E-04	3.88E-04
3.37E+02	1.62E-04	6.59E-04	3.97E-04
3.37E+02	9.65E-05	1.03E-03	3.82E-04
3.37E+02	1.75E-05	1.33E-03	3.28E-04
3.37E+02	-1.42E-04	1.54E-03	2.13E-04
3.37E+02	-3.37E-04	1.65E-03	-1.98E-05
3.37E+02	-4.82E-04	1.70E-03	-2.72E-04
3.37E+02	-5.51E-04	1.70E-03	-5.11E-04
3.37E+02	-5.49E-04	1.65E-03	-7.77E-04
3.37E+02	-5.00E-04	1.58E-03	-9.42E-04
3.37E+02	-3.89E-04	1.54E-03	-9.44E-04
3.37E+02	-2.24E-04	1.51E-03	-8.26E-04
3.38E+02	-7.00E-05	1.42E-03	-6.49E-04
3.38E+02	5.72E-05	1.25E-03	-4.86E-04
3.38E+02	1.67E-04	1.03E-03	-2.86E-04
3.38E+02	2.37E-04	7.72E-04	-6.83E-05
3.38E+02	2.35E-04	5.03E-04	8.72E-05
3.38E+02	1.34E-04	2.50E-04	1.93E-04
3.38E+02	5.72E-07	2.54E-05	2.30E-04
3.38E+02	-9.73E-05	-1.53E-04	2.70E-04
3.38E+02	-2.12E-04	-3.12E-04	3.66E-04
3.38E+02	-3.58E-04	-4.85E-04	4.37E-04
3.38E+02	-5.06E-04	-6.35E-04	5.03E-04
3.38E+02	-6.62E-04	-7.77E-04	5.14E-04
3.38E+02	-8.23E-04	-9.32E-04	3.68E-04
3.38E+02	-1.03E-03	-1.07E-03	1.43E-04
3.38E+02	-1.25E-03	-1.17E-03	-8.93E-05
3.38E+02	-1.41E-03	-1.18E-03	-2.50E-04
3.38E+02	-1.57E-03	-1.11E-03	-3.27E-04
3.38E+02	-1.69E-03	-1.01E-03	-4.13E-04
3.38E+02	-1.69E-03	-8.89E-04	-4.31E-04
3.38E+02	-1.57E-03	-7.58E-04	-3.81E-04
3.38E+02	-1.36E-03	-6.54E-04	-3.82E-04
3.38E+02	-1.09E-03	-5.72E-04	-4.09E-04
3.38E+02	-8.04E-04	-5.03E-04	-4.54E-04
3.38E+02	-4.87E-04	-3.86E-04	-5.07E-04
3.38E+02	-2.28E-04	-2.21E-04	-5.25E-04
3.38E+02	-4.46E-05	-4.58E-05	-5.01E-04
3.38E+02	9.54E-05	1.70E-04	-3.60E-04
3.38E+02	1.87E-04	4.01E-04	-1.76E-04
3.38E+02	2.57E-04	6.02E-04	-8.28E-05
3.38E+02	2.65E-04	7.96E-04	-2.50E-05
3.38E+02	2.28E-04	1.01E-03	9.92E-06
3.38E+02	2.16E-04	1.26E-03	3.17E-05
3.38E+02	1.66E-04	1.53E-03	5.07E-05
3.38E+02	8.72E-05	1.73E-03	2.37E-05
3.38E+02	1.53E-05	1.85E-03	3.64E-05

3.38E+02	-5.17E-05	1.89E-03	1.18E-04
3.38E+02	-8.85E-05	1.80E-03	1.63E-04
3.38E+02	-1.47E-04	1.59E-03	1.69E-04
3.38E+02	-1.84E-04	1.31E-03	1.84E-04
3.38E+02	-1.21E-04	1.01E-03	2.29E-04
3.38E+02	-3.89E-05	6.96E-04	2.80E-04
3.38E+02	3.22E-05	3.47E-04	2.53E-04
3.38E+02	1.27E-04	-1.91E-06	2.02E-04
3.38E+02	2.25E-04	-3.17E-04	1.68E-04
3.38E+02	3.24E-04	-6.13E-04	7.57E-05
3.38E+02	4.06E-04	-8.26E-04	6.10E-06
3.38E+02	4.69E-04	-9.16E-04	-2.94E-05
3.38E+02	5.47E-04	-8.89E-04	-1.02E-04
3.38E+02	6.01E-04	-7.69E-04	-2.29E-04
3.38E+02	5.87E-04	-6.22E-04	-4.72E-04
3.38E+02	5.28E-04	-4.57E-04	-7.24E-04
3.38E+02	4.45E-04	-2.70E-04	-8.91E-04
3.38E+02	3.27E-04	-1.04E-04	-1.02E-03
3.38E+02	1.61E-04	3.22E-05	-1.06E-03
3.38E+02	-1.03E-05	1.33E-04	-9.96E-04
3.38E+02	-1.15E-04	2.22E-04	-8.95E-04
3.38E+02	-1.86E-04	3.18E-04	-7.83E-04
3.38E+02	-2.53E-04	4.00E-04	-7.30E-04
3.38E+02	-2.50E-04	5.22E-04	-6.47E-04
3.38E+02	-1.82E-04	6.90E-04	-5.03E-04
3.38E+02	-7.46E-05	8.55E-04	-4.51E-04
3.38E+02	4.73E-05	1.01E-03	-4.54E-04
3.38E+02	1.42E-04	1.14E-03	-4.25E-04
3.38E+02	2.43E-04	1.27E-03	-3.66E-04
3.38E+02	3.18E-04	1.39E-03	-3.07E-04
3.38E+02	3.26E-04	1.45E-03	-3.41E-04
3.38E+02	3.10E-04	1.48E-03	-4.07E-04
3.38E+02	2.69E-04	1.51E-03	-4.00E-04
3.38E+02	1.76E-04	1.51E-03	-4.00E-04
3.38E+02	1.43E-05	1.51E-03	-4.47E-04
3.38E+02	-1.98E-04	1.52E-03	-5.45E-04
3.38E+02	-3.82E-04	1.54E-03	-6.76E-04
3.38E+02	-5.26E-04	1.55E-03	-7.50E-04
3.38E+02	-6.56E-04	1.50E-03	-7.64E-04
3.38E+02	-7.27E-04	1.39E-03	-6.97E-04
3.38E+02	-7.20E-04	1.29E-03	-5.27E-04
3.38E+02	-6.48E-04	1.11E-03	-3.83E-04
3.38E+02	-5.65E-04	8.84E-04	-2.75E-04
3.38E+02	-5.06E-04	6.59E-04	-1.66E-04
3.38E+02	-3.97E-04	4.91E-04	-1.26E-04
3.38E+02	-2.69E-04	4.01E-04	-1.28E-04
3.38E+02	-1.83E-04	3.41E-04	-1.91E-04

3.38E+02	-8.20E-05	3.25E-04	-2.80E-04
3.38E+02	4.62E-05	3.80E-04	-2.73E-04
3.38E+02	1.66E-04	4.77E-04	-2.45E-04
3.38E+02	2.33E-04	5.70E-04	-2.23E-04
3.38E+02	2.44E-04	6.69E-04	-1.89E-04
3.38E+02	2.74E-04	7.99E-04	-1.98E-04
3.38E+02	3.23E-04	9.51E-04	-2.25E-04
3.38E+02	3.59E-04	1.11E-03	-2.96E-04
3.38E+02	4.44E-04	1.22E-03	-3.69E-04
3.38E+02	5.82E-04	1.29E-03	-3.19E-04
3.38E+02	7.47E-04	1.30E-03	-2.44E-04
3.38E+02	9.21E-04	1.20E-03	-2.02E-04
3.38E+02	1.07E-03	1.04E-03	-1.42E-04
3.38E+02	1.24E-03	8.35E-04	-1.02E-04
3.38E+02	1.42E-03	6.24E-04	-6.47E-05
3.38E+02	1.55E-03	4.04E-04	-9.31E-05
3.38E+02	1.66E-03	1.89E-04	-1.79E-04
3.38E+02	1.78E-03	3.15E-05	-1.81E-04
3.38E+02	1.86E-03	-1.00E-04	-1.88E-04
3.38E+02	1.88E-03	-2.56E-04	-2.82E-04
3.38E+02	1.80E-03	-4.15E-04	-3.64E-04
3.38E+02	1.71E-03	-5.46E-04	-3.96E-04
3.38E+02	1.59E-03	-6.43E-04	-4.04E-04
3.38E+02	1.37E-03	-7.17E-04	-4.56E-04
3.38E+02	1.12E-03	-7.26E-04	-5.14E-04
3.38E+02	8.65E-04	-6.39E-04	-4.51E-04
3.38E+02	6.10E-04	-5.32E-04	-3.55E-04
3.38E+02	3.45E-04	-4.43E-04	-2.90E-04
3.38E+02	5.17E-05	-3.70E-04	-1.93E-04
3.38E+02	-1.96E-04	-3.23E-04	-8.11E-05
3.38E+02	-3.80E-04	-2.97E-04	5.09E-05
3.38E+02	-5.40E-04	-3.38E-04	1.59E-04
3.38E+02	-6.32E-04	-4.30E-04	2.70E-04
3.38E+02	-6.32E-04	-4.94E-04	4.65E-04
3.38E+02	-5.83E-04	-5.55E-04	6.25E-04
3.38E+02	-5.17E-04	-6.20E-04	7.18E-04
3.38E+02	-4.47E-04	-6.37E-04	8.05E-04
3.38E+02	-3.41E-04	-6.34E-04	8.10E-04
3.38E+02	-1.83E-04	-6.05E-04	7.39E-04
3.38E+02	-3.49E-05	-5.55E-04	6.30E-04
3.38E+02	1.10E-04	-5.26E-04	5.03E-04
3.38E+02	2.78E-04	-5.11E-04	4.55E-04
3.38E+02	4.34E-04	-5.59E-04	4.56E-04
3.38E+02	5.49E-04	-6.94E-04	4.45E-04
3.38E+02	5.70E-04	-8.83E-04	4.42E-04
3.38E+02	5.51E-04	-1.07E-03	4.20E-04
3.38E+02	5.38E-04	-1.15E-03	3.67E-04

3.38E+02	4.81E-04	-1.17E-03	2.10E-04
3.38E+02	4.03E-04	-1.11E-03	-4.50E-05
3.38E+02	3.31E-04	-9.32E-04	-2.42E-04
3.38E+02	2.72E-04	-7.07E-04	-3.95E-04
3.38E+02	1.99E-04	-4.80E-04	-5.38E-04
3.38E+02	8.60E-05	-2.49E-04	-5.93E-04
3.38E+02	3.62E-06	-5.34E-05	-5.75E-04
3.38E+02	-1.58E-05	1.23E-04	-4.88E-04
3.38E+02	-4.31E-05	2.62E-04	-3.74E-04
3.38E+02	-5.87E-05	3.66E-04	-3.00E-04
3.38E+02	-3.60E-05	5.09E-04	-1.78E-04
3.38E+02	-1.85E-05	6.59E-04	-1.53E-05
3.38E+02	-1.56E-05	7.75E-04	1.30E-04
3.38E+02	-1.01E-04	8.61E-04	3.10E-04
3.38E+02	-2.15E-04	9.50E-04	5.35E-04
3.38E+02	-2.92E-04	1.06E-03	7.90E-04
3.38E+02	-4.38E-04	1.10E-03	9.68E-04
3.38E+02	-6.02E-04	1.06E-03	1.01E-03
3.38E+02	-7.37E-04	9.99E-04	1.02E-03
3.38E+02	-8.61E-04	8.95E-04	9.67E-04
3.38E+02	-9.48E-04	7.52E-04	8.04E-04
3.38E+02	-1.04E-03	6.10E-04	6.19E-04
3.38E+02	-1.08E-03	4.80E-04	4.24E-04
3.38E+02	-1.04E-03	4.14E-04	2.36E-04
3.38E+02	-9.60E-04	4.03E-04	5.02E-05
3.38E+02	-8.58E-04	3.91E-04	-1.73E-04
3.38E+02	-7.03E-04	4.50E-04	-3.19E-04
3.38E+02	-4.96E-04	5.54E-04	-3.98E-04
3.38E+02	-2.61E-04	6.36E-04	-5.04E-04
3.38E+02	-4.22E-05	7.57E-04	-5.13E-04
3.38E+02	1.77E-04	8.74E-04	-4.37E-04
3.38E+02	4.26E-04	9.74E-04	-3.60E-04
3.38E+02	6.65E-04	1.05E-03	-3.20E-04
3.38E+02	8.74E-04	1.04E-03	-3.84E-04
3.38E+02	1.09E-03	9.74E-04	-4.29E-04
3.38E+02	1.30E-03	8.83E-04	-4.30E-04
3.38E+02	1.43E-03	7.21E-04	-4.73E-04
3.38E+02	1.47E-03	5.30E-04	-4.99E-04
3.38E+02	1.45E-03	3.31E-04	-5.03E-04
3.38E+02	1.40E-03	1.67E-04	-4.96E-04
3.38E+02	1.31E-03	5.84E-05	-5.05E-04
3.38E+02	1.17E-03	1.13E-05	-5.74E-04
3.38E+02	1.05E-03	8.79E-05	-5.74E-04
3.38E+02	9.92E-04	2.46E-04	-4.89E-04
3.38E+02	9.78E-04	3.85E-04	-4.26E-04
3.38E+02	9.42E-04	4.70E-04	-3.40E-04
3.38E+02	8.51E-04	4.68E-04	-2.24E-04

3.38E+02	7.37E-04	4.04E-04	-6.22E-05
3.38E+02	5.53E-04	2.93E-04	1.32E-04
3.38E+02	2.90E-04	1.25E-04	2.43E-04
3.38E+02	1.96E-05	-6.29E-06	3.34E-04
3.38E+02	-2.38E-04	-6.01E-05	4.16E-04
3.38E+02	-4.81E-04	-6.60E-05	4.16E-04
3.38E+02	-7.16E-04	-1.83E-05	4.33E-04
3.38E+02	-8.88E-04	5.30E-05	4.81E-04
3.38E+02	-9.36E-04	1.31E-04	5.69E-04
3.38E+02	-9.20E-04	2.05E-04	7.04E-04
3.38E+02	-8.49E-04	2.21E-04	7.56E-04
3.38E+02	-6.91E-04	2.21E-04	7.68E-04
3.38E+02	-4.67E-04	2.57E-04	7.88E-04
3.38E+02	-1.82E-04	2.76E-04	7.51E-04
3.38E+02	7.97E-05	2.78E-04	7.18E-04
3.38E+02	2.73E-04	2.62E-04	6.72E-04
3.38E+02	4.65E-04	2.44E-04	5.93E-04
3.38E+02	6.17E-04	2.39E-04	5.31E-04
3.38E+02	6.86E-04	1.71E-04	4.21E-04
3.38E+02	7.41E-04	8.13E-05	3.37E-04
3.38E+02	7.77E-04	1.35E-05	3.12E-04
3.38E+02	8.09E-04	-3.15E-05	2.17E-04
3.38E+02	8.17E-04	-2.29E-06	1.05E-04
3.38E+02	7.59E-04	6.68E-05	-1.98E-05
3.39E+02	7.30E-04	1.62E-04	-1.91E-04
3.39E+02	6.74E-04	2.61E-04	-3.46E-04
3.39E+02	5.41E-04	3.19E-04	-4.99E-04
3.39E+02	4.17E-04	4.01E-04	-5.93E-04
3.39E+02	3.04E-04	5.27E-04	-6.20E-04
3.39E+02	2.15E-04	6.57E-04	-6.75E-04
3.39E+02	1.33E-04	8.03E-04	-6.71E-04
3.39E+02	4.44E-05	9.53E-04	-5.51E-04
3.39E+02	6.10E-06	1.10E-03	-3.82E-04
3.39E+02	-4.01E-06	1.20E-03	-2.47E-04
3.39E+02	-1.39E-05	1.19E-03	-2.68E-04
3.39E+02	3.81E-05	1.10E-03	-3.52E-04
3.39E+02	1.76E-04	9.52E-04	-3.89E-04
3.39E+02	3.67E-04	7.21E-04	-4.61E-04
3.39E+02	5.52E-04	4.34E-04	-5.51E-04
3.39E+02	6.96E-04	1.37E-04	-6.27E-04
3.39E+02	8.21E-04	-1.52E-04	-6.64E-04
3.39E+02	8.64E-04	-4.20E-04	-6.04E-04
3.39E+02	7.83E-04	-6.77E-04	-5.06E-04
3.39E+02	6.12E-04	-9.30E-04	-3.79E-04
3.39E+02	3.74E-04	-1.14E-03	-1.60E-04
3.39E+02	1.38E-04	-1.30E-03	5.17E-05
3.39E+02	-8.20E-05	-1.41E-03	2.56E-04

3.39E+02	-2.76E-04	-1.41E-03	5.24E-04
3.39E+02	-3.47E-04	-1.32E-03	8.07E-04
3.39E+02	-3.19E-04	-1.18E-03	1.11E-03
3.39E+02	-2.59E-04	-1.09E-03	1.33E-03
3.39E+02	-1.34E-04	-1.07E-03	1.45E-03
3.39E+02	3.43E-05	-1.05E-03	1.53E-03
3.39E+02	1.91E-04	-1.07E-03	1.47E-03
3.39E+02	2.97E-04	-1.11E-03	1.29E-03
3.39E+02	3.24E-04	-1.11E-03	1.09E-03
3.39E+02	3.36E-04	-1.06E-03	8.53E-04
3.39E+02	3.44E-04	-9.33E-04	6.43E-04
3.39E+02	3.11E-04	-8.01E-04	4.13E-04
3.39E+02	2.75E-04	-6.66E-04	1.76E-04
3.39E+02	2.57E-04	-5.06E-04	-3.41E-05
3.39E+02	2.76E-04	-3.59E-04	-3.61E-04
3.39E+02	3.04E-04	-2.08E-04	-7.73E-04
3.39E+02	3.11E-04	-1.54E-05	-1.15E-03
3.39E+02	3.75E-04	2.31E-04	-1.45E-03
3.39E+02	4.60E-04	5.38E-04	-1.54E-03
3.39E+02	4.79E-04	8.26E-04	-1.48E-03
3.39E+02	4.73E-04	1.05E-03	-1.33E-03
3.39E+02	4.46E-04	1.25E-03	-1.04E-03
3.39E+02	4.02E-04	1.36E-03	-7.70E-04
3.39E+02	3.27E-04	1.39E-03	-5.50E-04
3.39E+02	2.32E-04	1.39E-03	-3.48E-04
3.39E+02	2.29E-04	1.37E-03	-1.81E-04
3.39E+02	3.19E-04	1.39E-03	7.19E-05
3.39E+02	4.50E-04	1.41E-03	3.41E-04
3.39E+02	6.44E-04	1.36E-03	5.30E-04
3.39E+02	8.87E-04	1.29E-03	7.07E-04
3.39E+02	1.15E-03	1.13E-03	7.49E-04
3.39E+02	1.41E-03	8.62E-04	6.37E-04
3.39E+02	1.60E-03	5.38E-04	4.99E-04
3.39E+02	1.77E-03	1.83E-04	4.04E-04
3.39E+02	1.90E-03	-1.44E-04	4.59E-04
3.39E+02	1.92E-03	-4.99E-04	5.86E-04
3.39E+02	1.88E-03	-8.98E-04	7.19E-04
3.39E+02	1.80E-03	-1.25E-03	9.12E-04
3.39E+02	1.72E-03	-1.58E-03	1.02E-03
3.39E+02	1.60E-03	-1.88E-03	9.49E-04
3.39E+02	1.40E-03	-2.11E-03	7.61E-04
3.39E+02	1.16E-03	-2.21E-03	5.02E-04
3.39E+02	8.97E-04	-2.17E-03	2.35E-04
3.39E+02	5.53E-04	-2.00E-03	-1.24E-05
3.39E+02	1.57E-04	-1.77E-03	-2.42E-04
3.39E+02	-2.20E-04	-1.46E-03	-3.24E-04
3.39E+02	-5.31E-04	-1.10E-03	-2.62E-04

3.39E+02	-7.89E-04	-7.49E-04	-1.85E-04
3.39E+02	-1.01E-03	-4.12E-04	-7.48E-05
3.39E+02	-1.15E-03	-3.64E-05	4.73E-05
3.39E+02	-1.19E-03	3.64E-04	1.50E-04
3.39E+02	-1.23E-03	7.31E-04	1.94E-04
3.39E+02	-1.26E-03	1.03E-03	1.81E-04
3.39E+02	-1.27E-03	1.28E-03	2.63E-04
3.39E+02	-1.27E-03	1.48E-03	3.84E-04
3.39E+02	-1.31E-03	1.55E-03	4.47E-04
3.39E+02	-1.39E-03	1.54E-03	5.04E-04
3.39E+02	-1.48E-03	1.46E-03	5.32E-04
3.39E+02	-1.52E-03	1.34E-03	5.42E-04
3.39E+02	-1.56E-03	1.18E-03	5.18E-04
3.39E+02	-1.62E-03	9.73E-04	4.07E-04
3.39E+02	-1.64E-03	7.60E-04	2.90E-04
3.39E+02	-1.61E-03	5.51E-04	1.81E-04
3.39E+02	-1.53E-03	2.78E-04	2.31E-05
3.39E+02	-1.48E-03	-4.04E-05	-9.78E-05
3.39E+02	-1.41E-03	-3.41E-04	-1.49E-04
3.39E+02	-1.30E-03	-5.97E-04	-1.82E-04
3.39E+02	-1.21E-03	-8.11E-04	-2.23E-04
3.39E+02	-1.12E-03	-9.61E-04	-3.03E-04
3.39E+02	-9.43E-04	-1.02E-03	-3.18E-04
3.39E+02	-6.98E-04	-1.01E-03	-2.32E-04
3.39E+02	-4.12E-04	-9.37E-04	-1.47E-04
3.39E+02	-1.38E-04	-8.28E-04	-1.41E-05
3.39E+02	1.40E-04	-7.06E-04	1.58E-04
3.39E+02	4.58E-04	-5.67E-04	3.28E-04
3.39E+02	7.26E-04	-4.31E-04	4.97E-04
3.39E+02	9.20E-04	-3.27E-04	6.07E-04
3.39E+02	1.07E-03	-1.97E-04	7.38E-04
3.39E+02	1.16E-03	-3.36E-05	8.87E-04
3.39E+02	1.20E-03	1.30E-04	9.70E-04
3.39E+02	1.16E-03	3.03E-04	1.06E-03
3.39E+02	1.08E-03	4.63E-04	1.14E-03
3.39E+02	1.01E-03	6.28E-04	1.21E-03
3.39E+02	8.94E-04	7.76E-04	1.18E-03
3.39E+02	7.43E-04	8.57E-04	1.01E-03
3.39E+02	5.99E-04	9.25E-04	8.04E-04
3.39E+02	4.51E-04	9.68E-04	5.99E-04
3.39E+02	3.06E-04	9.52E-04	3.62E-04
3.39E+02	1.26E-04	9.24E-04	1.86E-04
3.39E+02	-7.51E-05	8.73E-04	3.99E-05
3.39E+02	-2.49E-04	8.00E-04	-1.08E-04
3.39E+02	-4.57E-04	7.07E-04	-3.19E-04
3.39E+02	-6.80E-04	5.64E-04	-6.57E-04
3.39E+02	-8.47E-04	4.32E-04	-9.59E-04

3.39E+02	-9.64E-04	3.15E-04	-1.18E-03
3.39E+02	-1.01E-03	1.73E-04	-1.38E-03
3.39E+02	-1.03E-03	3.30E-05	-1.48E-03
3.39E+02	-1.04E-03	-1.02E-04	-1.47E-03
3.39E+02	-9.77E-04	-2.15E-04	-1.37E-03
3.39E+02	-9.28E-04	-3.23E-04	-1.23E-03
3.39E+02	-8.90E-04	-4.51E-04	-1.15E-03
3.39E+02	-7.85E-04	-5.37E-04	-1.02E-03
3.39E+02	-6.65E-04	-5.55E-04	-8.24E-04
3.39E+02	-5.16E-04	-5.25E-04	-6.04E-04
3.39E+02	-3.77E-04	-4.49E-04	-3.43E-04
3.39E+02	-2.84E-04	-3.34E-04	-8.72E-05
3.39E+02	-1.66E-04	-1.81E-04	1.13E-04
3.39E+02	-1.04E-04	-9.16E-06	2.45E-04
3.39E+02	-1.36E-04	1.72E-04	2.17E-04
3.39E+02	-1.81E-04	3.97E-04	1.00E-04
3.39E+02	-2.34E-04	6.74E-04	3.51E-05
3.39E+02	-2.85E-04	9.62E-04	-1.77E-05
3.39E+02	-3.41E-04	1.23E-03	-3.81E-07
3.39E+02	-4.09E-04	1.43E-03	9.86E-05
3.39E+02	-4.14E-04	1.57E-03	1.97E-04
3.39E+02	-3.61E-04	1.64E-03	2.73E-04
3.39E+02	-3.01E-04	1.57E-03	2.02E-04
3.39E+02	-1.86E-04	1.44E-03	1.10E-04
3.39E+02	-1.01E-05	1.34E-03	1.30E-04
3.39E+02	1.65E-04	1.26E-03	1.08E-04
3.39E+02	2.87E-04	1.20E-03	6.75E-05
3.39E+02	3.31E-04	1.16E-03	4.01E-05
3.39E+02	3.47E-04	1.09E-03	3.87E-05
3.39E+02	2.95E-04	9.73E-04	1.14E-04
3.39E+02	1.25E-04	7.77E-04	1.64E-04
3.39E+02	-8.24E-05	5.72E-04	2.12E-04
3.39E+02	-2.87E-04	4.01E-04	2.63E-04
3.39E+02	-4.77E-04	2.22E-04	2.24E-04
3.39E+02	-6.52E-04	4.18E-05	1.87E-04
3.39E+02	-8.16E-04	-1.29E-04	1.92E-04
3.39E+02	-9.14E-04	-2.87E-04	2.10E-04
3.39E+02	-9.82E-04	-4.29E-04	2.46E-04
3.39E+02	-1.08E-03	-5.89E-04	1.75E-04
3.39E+02	-1.18E-03	-7.33E-04	-6.87E-06
3.39E+02	-1.27E-03	-8.11E-04	-2.04E-04
3.39E+02	-1.35E-03	-8.42E-04	-4.15E-04
3.39E+02	-1.44E-03	-8.14E-04	-5.47E-04
3.39E+02	-1.58E-03	-7.47E-04	-5.73E-04
3.39E+02	-1.62E-03	-6.49E-04	-5.25E-04
3.39E+02	-1.55E-03	-5.02E-04	-3.69E-04
3.39E+02	-1.46E-03	-3.89E-04	-2.07E-04

3.39E+02	-1.28E-03	-2.92E-04	-6.05E-05
3.39E+02	-1.01E-03	-1.19E-04	1.05E-04
3.39E+02	-7.02E-04	9.38E-05	1.37E-04
3.39E+02	-3.91E-04	3.30E-04	3.57E-05
3.39E+02	-1.42E-04	5.85E-04	-5.57E-05
3.39E+02	6.24E-05	8.28E-04	-1.36E-04
3.39E+02	1.91E-04	1.03E-03	-1.81E-04
3.39E+02	1.76E-04	1.12E-03	-2.02E-04
3.39E+02	7.80E-05	1.08E-03	-1.76E-04
3.39E+02	-7.97E-05	9.53E-04	-3.15E-05
3.39E+02	-2.81E-04	7.81E-04	1.22E-04
3.39E+02	-5.10E-04	5.77E-04	2.36E-04
3.39E+02	-7.72E-04	3.73E-04	3.24E-04
3.39E+02	-9.57E-04	2.11E-04	3.35E-04
3.39E+02	-1.04E-03	8.28E-05	2.81E-04
3.39E+02	-1.05E-03	-2.54E-05	1.58E-04
3.39E+02	-9.08E-04	-9.23E-05	2.04E-05
3.39E+02	-6.35E-04	-1.17E-04	-5.72E-05
3.39E+02	-2.74E-04	-1.40E-04	-1.82E-04
3.39E+02	1.46E-04	-1.88E-04	-3.59E-04
3.39E+02	5.48E-04	-2.49E-04	-4.94E-04
3.39E+02	9.36E-04	-3.23E-04	-6.21E-04
3.39E+02	1.29E-03	-3.89E-04	-7.22E-04
3.39E+02	1.51E-03	-4.52E-04	-8.45E-04
3.39E+02	1.65E-03	-5.07E-04	-9.82E-04
3.39E+02	1.75E-03	-4.84E-04	-9.78E-04
3.39E+02	1.82E-03	-3.79E-04	-9.04E-04
3.39E+02	1.86E-03	-2.35E-04	-8.25E-04
3.39E+02	1.84E-03	-5.13E-05	-7.03E-04
3.39E+02	1.82E-03	1.64E-04	-5.94E-04
3.39E+02	1.80E-03	3.90E-04	-4.69E-04
3.39E+02	1.70E-03	5.85E-04	-3.44E-04
3.39E+02	1.57E-03	7.17E-04	-2.18E-04
3.39E+02	1.42E-03	7.93E-04	4.58E-06
3.39E+02	1.24E-03	7.87E-04	2.29E-04
3.39E+02	1.01E-03	7.20E-04	4.20E-04
3.40E+02	7.04E-04	6.40E-04	6.59E-04
3.40E+02	3.71E-04	5.64E-04	8.82E-04
3.40E+02	4.16E-05	5.37E-04	1.03E-03
3.40E+02	-3.16E-04	5.20E-04	1.02E-03
3.40E+02	-6.28E-04	5.05E-04	8.15E-04
3.40E+02	-8.35E-04	5.52E-04	5.61E-04
3.40E+02	-9.23E-04	6.24E-04	2.82E-04
3.40E+02	-9.02E-04	6.98E-04	-5.11E-05
3.40E+02	-8.15E-04	7.80E-04	-3.75E-04
3.40E+02	-6.28E-04	8.14E-04	-6.84E-04
3.40E+02	-3.54E-04	7.89E-04	-9.38E-04

3.40E+02	-1.12E-04	6.87E-04	-1.13E-03
3.40E+02	8.74E-05	4.89E-04	-1.25E-03
3.40E+02	2.63E-04	2.85E-04	-1.25E-03
3.40E+02	3.72E-04	8.56E-05	-1.24E-03
3.40E+02	3.96E-04	-9.63E-05	-1.26E-03
3.40E+02	3.47E-04	-1.87E-04	-1.20E-03
3.40E+02	2.87E-04	-2.11E-04	-1.08E-03
3.40E+02	2.26E-04	-1.61E-04	-8.76E-04
3.40E+02	1.21E-04	-7.97E-05	-5.98E-04
3.40E+02	6.10E-06	-4.31E-05	-3.15E-04
3.40E+02	-9.21E-05	6.29E-06	8.72E-05
3.40E+02	-1.75E-04	6.01E-05	5.37E-04
3.40E+02	-2.54E-04	1.01E-04	8.87E-04
3.40E+02	-3.67E-04	1.69E-04	1.15E-03
3.40E+02	-4.40E-04	2.96E-04	1.26E-03
3.40E+02	-4.18E-04	5.27E-04	1.25E-03
3.40E+02	-3.50E-04	8.21E-04	1.18E-03
3.40E+02	-2.00E-04	1.12E-03	1.05E-03
3.40E+02	1.87E-05	1.41E-03	1.01E-03
3.40E+02	2.78E-04	1.66E-03	9.54E-04
3.40E+02	5.81E-04	1.82E-03	7.56E-04
3.40E+02	8.28E-04	1.88E-03	4.59E-04
3.40E+02	1.04E-03	1.89E-03	1.03E-04
3.40E+02	1.27E-03	1.88E-03	-2.48E-04
3.40E+02	1.45E-03	1.83E-03	-5.50E-04
3.40E+02	1.59E-03	1.71E-03	-8.05E-04
3.40E+02	1.73E-03	1.57E-03	-8.90E-04
3.40E+02	1.89E-03	1.40E-03	-8.31E-04
3.40E+02	2.05E-03	1.16E-03	-7.60E-04
3.40E+02	2.14E-03	8.58E-04	-6.50E-04
3.40E+02	2.20E-03	5.21E-04	-5.11E-04
3.40E+02	2.28E-03	2.05E-04	-3.19E-04
3.40E+02	2.31E-03	-6.92E-05	-6.87E-05
3.40E+02	2.27E-03	-3.33E-04	1.06E-04
3.40E+02	2.18E-03	-5.64E-04	2.33E-04
3.40E+02	2.09E-03	-7.58E-04	3.65E-04
3.40E+02	1.96E-03	-9.54E-04	4.10E-04
3.40E+02	1.79E-03	-1.14E-03	4.27E-04
3.40E+02	1.60E-03	-1.27E-03	4.48E-04
3.40E+02	1.46E-03	-1.31E-03	4.52E-04
3.40E+02	1.32E-03	-1.30E-03	4.74E-04
3.40E+02	1.17E-03	-1.26E-03	4.32E-04
3.40E+02	1.05E-03	-1.18E-03	4.06E-04
3.40E+02	9.48E-04	-1.04E-03	4.34E-04
3.40E+02	8.38E-04	-8.81E-04	3.84E-04
3.40E+02	6.80E-04	-7.09E-04	3.09E-04
3.40E+02	5.12E-04	-5.19E-04	2.35E-04

3.40E+02	4.09E-04	-2.98E-04	1.73E-04
3.40E+02	2.93E-04	-6.41E-05	1.68E-04
3.40E+02	1.30E-04	1.35E-04	1.44E-04
3.40E+02	-2.63E-05	3.48E-04	1.55E-04
3.40E+02	-1.66E-04	5.86E-04	2.61E-04
3.40E+02	-2.66E-04	7.82E-04	3.64E-04
3.40E+02	-3.53E-04	9.17E-04	4.43E-04
3.40E+02	-4.27E-04	9.64E-04	4.93E-04
3.40E+02	-4.22E-04	9.53E-04	5.05E-04
3.40E+02	-3.83E-04	9.05E-04	4.96E-04
3.40E+02	-3.28E-04	7.80E-04	4.28E-04
3.40E+02	-2.01E-04	6.39E-04	3.48E-04
3.40E+02	-2.98E-05	5.16E-04	2.75E-04
3.40E+02	1.57E-04	3.68E-04	1.29E-04
3.40E+02	3.11E-04	1.95E-04	-3.07E-05
3.40E+02	4.28E-04	-1.66E-05	-1.53E-04
3.40E+02	5.80E-04	-2.56E-04	-2.53E-04
3.40E+02	7.03E-04	-5.16E-04	-3.18E-04
3.40E+02	7.55E-04	-8.34E-04	-4.05E-04
3.40E+02	7.87E-04	-1.15E-03	-4.69E-04
3.40E+02	7.84E-04	-1.41E-03	-4.46E-04
3.40E+02	7.53E-04	-1.62E-03	-4.51E-04
3.40E+02	6.72E-04	-1.72E-03	-4.70E-04
3.40E+02	5.31E-04	-1.70E-03	-4.73E-04
3.40E+02	4.05E-04	-1.58E-03	-4.44E-04
3.40E+02	2.85E-04	-1.37E-03	-3.13E-04
3.40E+02	1.41E-04	-1.17E-03	-1.85E-04
3.40E+02	1.39E-05	-1.01E-03	-3.85E-05
3.40E+02	-9.71E-05	-8.57E-04	1.65E-04
3.40E+02	-2.06E-04	-7.65E-04	2.76E-04
3.40E+02	-3.43E-04	-6.77E-04	2.99E-04
3.40E+02	-5.04E-04	-5.62E-04	2.88E-04
3.40E+02	-6.10E-04	-4.10E-04	2.70E-04
3.40E+02	-7.17E-04	-2.23E-04	2.65E-04
3.40E+02	-8.75E-04	-3.57E-05	2.25E-04
3.40E+02	-1.01E-03	1.76E-04	1.74E-04
3.40E+02	-1.15E-03	4.17E-04	1.50E-04
3.40E+02	-1.27E-03	6.32E-04	1.13E-04
3.40E+02	-1.41E-03	8.11E-04	8.83E-05
3.40E+02	-1.60E-03	9.64E-04	1.10E-04
3.40E+02	-1.76E-03	1.09E-03	1.12E-04
3.40E+02	-1.93E-03	1.19E-03	8.07E-05
3.40E+02	-2.15E-03	1.15E-03	-2.96E-05
3.40E+02	-2.37E-03	9.87E-04	-1.56E-04
3.40E+02	-2.53E-03	7.80E-04	-1.28E-04
3.40E+02	-2.62E-03	5.22E-04	-5.28E-05
3.40E+02	-2.62E-03	2.53E-04	7.44E-06

3.40E+02	-2.54E-03	2.54E-05	1.01E-04
3.40E+02	-2.31E-03	-1.66E-04	1.89E-04
3.40E+02	-1.97E-03	-3.12E-04	2.74E-04
3.40E+02	-1.57E-03	-4.59E-04	2.95E-04
3.40E+02	-1.14E-03	-6.09E-04	2.38E-04
3.40E+02	-6.34E-04	-7.23E-04	1.97E-04
3.40E+02	-9.37E-05	-8.67E-04	1.45E-04
3.40E+02	4.12E-04	-1.03E-03	9.25E-05
3.40E+02	8.66E-04	-1.15E-03	1.36E-04
3.40E+02	1.27E-03	-1.22E-03	2.37E-04
3.40E+02	1.57E-03	-1.19E-03	3.60E-04
3.40E+02	1.73E-03	-1.10E-03	4.25E-04
3.40E+02	1.78E-03	-9.77E-04	3.83E-04
3.40E+02	1.75E-03	-7.95E-04	3.47E-04
3.40E+02	1.68E-03	-6.10E-04	2.59E-04
3.40E+02	1.58E-03	-4.44E-04	8.58E-05
3.40E+02	1.45E-03	-3.02E-04	-8.89E-05
3.40E+02	1.36E-03	-2.07E-04	-2.77E-04
3.40E+02	1.32E-03	-1.26E-04	-4.30E-04
3.40E+02	1.24E-03	-1.10E-04	-5.58E-04
3.40E+02	1.15E-03	-1.58E-04	-6.51E-04
3.40E+02	1.08E-03	-1.93E-04	-6.17E-04
3.40E+02	9.78E-04	-2.54E-04	-6.17E-04
3.40E+02	8.78E-04	-3.38E-04	-6.88E-04
3.40E+02	7.22E-04	-3.78E-04	-6.69E-04
3.40E+02	5.50E-04	-3.47E-04	-5.56E-04
3.40E+02	3.88E-04	-2.48E-04	-3.66E-04
3.40E+02	1.81E-04	-1.91E-04	-1.96E-04
3.40E+02	-2.78E-05	-2.19E-04	-5.78E-05
3.40E+02	-2.28E-04	-2.75E-04	1.62E-04
3.40E+02	-4.13E-04	-4.04E-04	3.69E-04
3.40E+02	-5.69E-04	-5.97E-04	5.02E-04
3.40E+02	-7.37E-04	-8.34E-04	5.58E-04
3.40E+02	-8.05E-04	-1.09E-03	5.61E-04
3.40E+02	-7.39E-04	-1.30E-03	6.09E-04
3.40E+02	-6.52E-04	-1.49E-03	6.08E-04
3.40E+02	-5.23E-04	-1.67E-03	5.11E-04
3.40E+02	-3.76E-04	-1.79E-03	3.99E-04
3.40E+02	-2.60E-04	-1.89E-03	2.12E-04
3.40E+02	-1.85E-04	-1.98E-03	-4.94E-05
3.40E+02	-2.00E-04	-2.06E-03	-2.60E-04
3.40E+02	-2.60E-04	-2.11E-03	-4.05E-04
3.40E+02	-3.52E-04	-2.10E-03	-4.70E-04
3.40E+02	-5.41E-04	-2.05E-03	-4.85E-04
3.40E+02	-7.80E-04	-1.99E-03	-5.00E-04
3.40E+02	-1.02E-03	-1.89E-03	-4.19E-04
3.40E+02	-1.22E-03	-1.77E-03	-2.80E-04

3.40E+02	-1.38E-03	-1.65E-03	-1.65E-04
3.40E+02	-1.52E-03	-1.51E-03	-3.15E-05
3.40E+02	-1.55E-03	-1.32E-03	8.93E-05
3.40E+02	-1.48E-03	-1.09E-03	1.74E-04
3.40E+02	-1.39E-03	-8.79E-04	1.83E-04
3.40E+02	-1.31E-03	-7.10E-04	7.92E-05
3.40E+02	-1.22E-03	-5.72E-04	-3.49E-05
3.40E+02	-1.14E-03	-4.96E-04	-1.72E-04
3.40E+02	-1.08E-03	-4.64E-04	-3.86E-04
3.40E+02	-1.09E-03	-4.43E-04	-5.50E-04
3.40E+02	-1.10E-03	-4.18E-04	-6.22E-04
3.40E+02	-1.09E-03	-3.56E-04	-6.02E-04
3.40E+02	-1.11E-03	-2.91E-04	-5.29E-04
3.40E+02	-1.14E-03	-2.64E-04	-5.05E-04
3.40E+02	-1.13E-03	-2.35E-04	-4.42E-04
3.40E+02	-1.10E-03	-2.04E-04	-3.49E-04
3.40E+02	-1.06E-03	-2.18E-04	-3.06E-04
3.40E+02	-1.04E-03	-2.72E-04	-2.82E-04
3.40E+02	-1.01E-03	-3.51E-04	-2.95E-04
3.40E+02	-8.89E-04	-4.31E-04	-2.68E-04
3.40E+02	-7.50E-04	-5.05E-04	-1.59E-04
3.40E+02	-5.99E-04	-5.81E-04	-2.06E-05
3.40E+02	-4.23E-04	-6.12E-04	2.10E-04
3.40E+02	-2.37E-04	-6.01E-04	4.39E-04
3.40E+02	-6.05E-05	-5.73E-04	5.34E-04
3.40E+02	4.69E-05	-5.20E-04	6.03E-04
3.40E+02	1.39E-04	-4.25E-04	6.74E-04
3.40E+02	2.55E-04	-2.73E-04	7.04E-04
3.40E+02	3.14E-04	-1.32E-04	6.80E-04
3.40E+02	3.24E-04	-4.96E-05	5.79E-04
3.40E+02	3.28E-04	5.15E-06	5.06E-04
3.40E+02	3.07E-04	2.94E-05	4.77E-04
3.40E+02	2.51E-04	1.62E-05	4.13E-04
3.40E+02	1.40E-04	-2.06E-05	3.13E-04
3.40E+02	4.39E-06	-6.37E-05	1.23E-04
3.40E+02	-6.96E-05	-5.66E-05	-9.61E-05
3.40E+02	-1.23E-04	-1.81E-05	-2.85E-04
3.40E+02	-1.51E-04	1.26E-05	-5.04E-04
3.40E+02	-9.57E-05	8.64E-05	-6.29E-04
3.40E+02	-4.96E-06	1.71E-04	-6.63E-04
3.40E+02	1.15E-04	2.21E-04	-7.48E-04
3.40E+02	2.23E-04	2.66E-04	-8.16E-04
3.40E+02	3.03E-04	2.99E-04	-8.41E-04
3.40E+02	4.15E-04	3.26E-04	-8.45E-04
3.40E+02	4.99E-04	3.23E-04	-8.51E-04
3.40E+02	5.47E-04	2.49E-04	-9.10E-04
3.40E+02	6.34E-04	1.60E-04	-8.60E-04

3.40E+02	7.53E-04	6.96E-05	-6.43E-04
3.41E+02	8.64E-04	-8.13E-05	-4.00E-04
3.41E+02	9.23E-04	-2.74E-04	-1.20E-04
3.41E+02	9.30E-04	-4.87E-04	1.74E-04
3.41E+02	9.39E-04	-6.92E-04	4.56E-04
3.41E+02	9.11E-04	-8.53E-04	7.36E-04
3.41E+02	8.37E-04	-9.90E-04	9.34E-04
3.41E+02	7.44E-04	-1.08E-03	1.05E-03
3.41E+02	6.40E-04	-1.12E-03	1.09E-03
3.41E+02	5.50E-04	-1.12E-03	1.01E-03
3.41E+02	4.32E-04	-1.08E-03	8.89E-04
3.41E+02	3.07E-04	-9.96E-04	7.61E-04
3.41E+02	2.53E-04	-8.68E-04	6.22E-04
3.41E+02	2.26E-04	-7.13E-04	4.98E-04
3.41E+02	1.77E-04	-6.18E-04	3.30E-04
3.41E+02	1.48E-04	-5.62E-04	1.12E-04
3.41E+02	1.35E-04	-4.95E-04	-9.19E-05
3.41E+02	1.22E-04	-4.34E-04	-2.99E-04
3.41E+02	1.07E-04	-3.48E-04	-4.36E-04
3.41E+02	7.76E-05	-2.44E-04	-4.61E-04
3.41E+02	9.50E-05	-1.20E-04	-4.21E-04
3.41E+02	1.29E-04	3.68E-05	-3.28E-04
3.41E+02	1.10E-04	1.43E-04	-2.86E-04
3.41E+02	8.45E-05	2.04E-04	-2.65E-04
3.41E+02	5.59E-05	2.36E-04	-1.97E-04
3.41E+02	-1.16E-05	1.97E-04	-1.88E-04
3.41E+02	-1.56E-04	9.69E-05	-1.89E-04
3.41E+02	-3.81E-04	-5.28E-05	-1.29E-04
3.41E+02	-6.19E-04	-2.03E-04	-3.32E-05
3.41E+02	-8.80E-04	-3.48E-04	7.69E-05
3.41E+02	-1.18E-03	-5.18E-04	1.31E-04
3.41E+02	-1.43E-03	-6.64E-04	1.61E-04
3.41E+02	-1.60E-03	-7.65E-04	2.26E-04
3.41E+02	-1.69E-03	-8.37E-04	2.57E-04
3.41E+02	-1.74E-03	-8.70E-04	2.27E-04
3.41E+02	-1.75E-03	-8.89E-04	1.56E-04
3.41E+02	-1.66E-03	-8.98E-04	4.29E-05
3.41E+02	-1.51E-03	-8.96E-04	-9.04E-05
3.41E+02	-1.37E-03	-9.25E-04	-2.88E-04
3.41E+02	-1.17E-03	-9.24E-04	-4.99E-04
3.41E+02	-8.96E-04	-8.40E-04	-5.75E-04
3.41E+02	-5.70E-04	-7.43E-04	-5.64E-04
3.41E+02	-2.32E-04	-6.37E-04	-5.09E-04
3.41E+02	5.87E-05	-5.35E-04	-4.01E-04
3.41E+02	3.33E-04	-4.55E-04	-3.02E-04
3.41E+02	5.67E-04	-3.88E-04	-2.36E-04
3.41E+02	6.94E-04	-3.97E-04	-2.88E-04

3.41E+02	7.76E-04	-4.32E-04	-4.26E-04
3.41E+02	8.52E-04	-4.17E-04	-4.94E-04
3.41E+02	9.20E-04	-3.70E-04	-5.09E-04
3.41E+02	9.58E-04	-2.77E-04	-4.43E-04
3.41E+02	9.28E-04	-1.59E-04	-2.71E-04
3.41E+02	9.08E-04	-1.39E-05	-5.53E-05
3.41E+02	8.68E-04	1.43E-04	2.21E-04
3.41E+02	7.46E-04	2.42E-04	5.11E-04
3.41E+02	6.21E-04	2.97E-04	7.77E-04
3.41E+02	4.74E-04	3.20E-04	1.03E-03
3.41E+02	3.23E-04	2.79E-04	1.15E-03
3.41E+02	1.86E-04	1.70E-04	1.16E-03
3.41E+02	2.80E-05	8.77E-06	1.13E-03
3.41E+02	-5.42E-05	-1.80E-04	1.03E-03
3.41E+02	-4.60E-05	-3.73E-04	8.50E-04
3.41E+02	0.00E+00	-5.81E-04	5.68E-04
3.41E+02	1.10E-04	-7.99E-04	2.22E-04
3.41E+02	2.72E-04	-9.61E-04	-5.17E-05
3.41E+02	4.55E-04	-1.06E-03	-2.86E-04
3.41E+02	6.01E-04	-1.09E-03	-4.71E-04
3.41E+02	6.74E-04	-1.03E-03	-5.65E-04
3.41E+02	7.52E-04	-9.09E-04	-6.32E-04
3.41E+02	8.33E-04	-7.24E-04	-6.69E-04
3.41E+02	8.60E-04	-5.22E-04	-7.46E-04
3.41E+02	8.73E-04	-3.42E-04	-8.60E-04
3.41E+02	8.95E-04	-1.54E-04	-8.65E-04
3.41E+02	9.11E-04	-7.25E-06	-8.62E-04
3.41E+02	8.81E-04	7.00E-05	-8.86E-04
3.41E+02	7.61E-04	1.24E-04	-7.93E-04
3.41E+02	5.94E-04	1.64E-04	-6.06E-04
3.41E+02	4.11E-04	2.17E-04	-3.55E-04
3.41E+02	1.74E-04	2.57E-04	-1.30E-04
3.41E+02	-6.08E-05	2.84E-04	3.53E-05
3.41E+02	-2.16E-04	3.54E-04	2.37E-04
3.41E+02	-3.16E-04	4.22E-04	4.07E-04
3.41E+02	-3.90E-04	4.61E-04	4.96E-04
3.41E+02	-4.59E-04	4.60E-04	5.24E-04
3.41E+02	-4.87E-04	4.04E-04	4.80E-04
3.41E+02	-4.74E-04	3.10E-04	4.12E-04
3.41E+02	-5.07E-04	1.50E-04	2.76E-04
3.41E+02	-5.73E-04	-6.50E-05	2.69E-05
3.41E+02	-6.36E-04	-2.73E-04	-1.76E-04
3.41E+02	-6.99E-04	-4.66E-04	-3.12E-04
3.41E+02	-7.54E-04	-6.39E-04	-4.57E-04
3.41E+02	-8.26E-04	-7.61E-04	-5.45E-04
3.41E+02	-8.79E-04	-8.10E-04	-5.90E-04
3.41E+02	-8.93E-04	-7.74E-04	-6.05E-04

3.41E+02	-9.27E-04	-7.22E-04	-6.21E-04
3.41E+02	-9.65E-04	-6.85E-04	-6.48E-04
3.41E+02	-9.84E-04	-5.95E-04	-5.49E-04
3.41E+02	-9.97E-04	-4.58E-04	-3.67E-04
3.41E+02	-1.03E-03	-3.06E-04	-2.01E-04
3.41E+02	-1.11E-03	-1.38E-04	-3.70E-05
3.41E+02	-1.18E-03	3.62E-05	5.80E-05
3.41E+02	-1.20E-03	2.23E-04	7.88E-05
3.41E+02	-1.22E-03	3.70E-04	5.21E-05
3.41E+02	-1.19E-03	4.41E-04	-3.15E-05
3.41E+02	-1.08E-03	4.87E-04	-5.65E-05
3.41E+02	-9.30E-04	4.98E-04	-1.20E-05
3.41E+02	-7.85E-04	4.74E-04	2.38E-05
3.41E+02	-6.96E-04	4.51E-04	8.18E-05
3.41E+02	-6.18E-04	4.43E-04	1.24E-04
3.41E+02	-5.09E-04	4.85E-04	1.39E-04
3.41E+02	-4.46E-04	5.40E-04	1.26E-04
3.41E+02	-4.18E-04	5.60E-04	6.98E-05
3.41E+02	-4.01E-04	5.52E-04	6.60E-05
3.41E+02	-4.24E-04	5.10E-04	9.31E-05
3.41E+02	-4.67E-04	4.30E-04	9.82E-05
3.41E+02	-5.84E-04	3.10E-04	9.12E-05
3.41E+02	-7.38E-04	1.91E-04	4.41E-05
3.41E+02	-8.36E-04	1.24E-04	-9.35E-06
3.41E+02	-9.37E-04	9.35E-05	-5.70E-05
3.41E+02	-1.02E-03	4.96E-05	-1.24E-04
3.41E+02	-1.03E-03	-6.48E-06	-1.30E-04
3.41E+02	-9.73E-04	-7.50E-05	-7.15E-05
3.41E+02	-8.55E-04	-1.90E-04	-2.25E-05
3.41E+02	-7.08E-04	-3.31E-04	6.31E-05
3.41E+02	-5.06E-04	-4.69E-04	1.70E-04
3.41E+02	-2.01E-04	-5.57E-04	2.70E-04
3.41E+02	1.51E-04	-5.99E-04	3.45E-04
3.41E+02	5.03E-04	-6.50E-04	3.40E-04
3.41E+02	8.76E-04	-6.48E-04	3.95E-04
3.41E+02	1.22E-03	-5.91E-04	5.12E-04
3.41E+02	1.49E-03	-5.41E-04	5.33E-04
3.41E+02	1.64E-03	-4.56E-04	5.17E-04
3.41E+02	1.69E-03	-3.68E-04	4.54E-04
3.41E+02	1.69E-03	-2.86E-04	3.60E-04
3.41E+02	1.60E-03	-2.04E-04	2.89E-04
3.41E+02	1.41E-03	-1.82E-04	2.06E-04
3.41E+02	1.19E-03	-1.63E-04	2.05E-04
3.41E+02	9.50E-04	-1.51E-04	2.50E-04
3.41E+02	7.20E-04	-1.84E-04	1.94E-04
3.41E+02	4.85E-04	-2.06E-04	9.10E-05
3.41E+02	2.60E-04	-2.04E-04	-9.35E-06

3.41E+02	1.27E-04	-1.50E-04	-7.55E-05
3.41E+02	2.80E-05	-1.06E-04	-1.12E-04
3.41E+02	-5.70E-05	-1.39E-04	-1.95E-04
3.41E+02	-7.00E-05	-2.12E-04	-2.46E-04
3.41E+02	-3.05E-05	-3.31E-04	-2.19E-04
3.41E+02	4.41E-05	-4.88E-04	-1.65E-04
3.41E+02	1.13E-04	-6.21E-04	-4.10E-05
3.41E+02	1.86E-04	-6.96E-04	1.02E-04
3.41E+02	3.30E-04	-6.69E-04	2.08E-04
3.41E+02	4.79E-04	-5.53E-04	2.94E-04
3.41E+02	6.01E-04	-4.10E-04	3.31E-04
3.41E+02	7.40E-04	-2.18E-04	4.18E-04
3.41E+02	8.42E-04	-1.34E-06	5.65E-04
3.41E+02	8.89E-04	1.85E-04	6.49E-04
3.41E+02	8.48E-04	3.37E-04	7.23E-04
3.41E+02	6.92E-04	4.45E-04	8.53E-04
3.41E+02	5.05E-04	5.49E-04	1.04E-03
3.41E+02	2.70E-04	6.18E-04	1.25E-03
3.41E+02	-2.86E-05	6.23E-04	1.40E-03
3.41E+02	-3.07E-04	6.19E-04	1.45E-03
3.41E+02	-5.26E-04	6.13E-04	1.43E-03
3.41E+02	-6.73E-04	6.13E-04	1.31E-03
3.41E+02	-7.62E-04	6.16E-04	1.15E-03
3.41E+02	-8.05E-04	6.00E-04	1.02E-03
3.41E+02	-7.74E-04	5.54E-04	9.06E-04
3.41E+02	-7.31E-04	4.48E-04	8.34E-04
3.41E+02	-7.47E-04	2.78E-04	7.76E-04
3.41E+02	-7.94E-04	8.01E-05	7.19E-04
3.41E+02	-8.55E-04	-1.02E-04	7.00E-04
3.41E+02	-9.22E-04	-2.65E-04	6.36E-04
3.41E+02	-1.03E-03	-4.10E-04	5.06E-04
3.41E+02	-1.15E-03	-4.97E-04	4.01E-04
3.41E+02	-1.20E-03	-4.94E-04	3.24E-04
3.41E+02	-1.25E-03	-4.23E-04	2.54E-04
3.41E+02	-1.33E-03	-3.71E-04	9.67E-05
3.41E+02	-1.40E-03	-3.31E-04	-9.35E-05
3.41E+02	-1.42E-03	-2.53E-04	-1.82E-04
3.41E+02	-1.40E-03	-1.83E-04	-2.52E-04
3.41E+02	-1.37E-03	-1.20E-04	-2.83E-04
3.41E+02	-1.32E-03	-5.82E-05	-2.57E-04
3.41E+02	-1.19E-03	1.07E-05	-2.11E-04
3.41E+02	-1.02E-03	1.12E-04	-1.39E-04
3.41E+02	-8.63E-04	1.90E-04	-1.52E-04
3.41E+02	-6.60E-04	2.56E-04	-2.22E-04
3.41E+02	-4.04E-04	3.29E-04	-2.65E-04
3.41E+02	-1.20E-04	3.56E-04	-3.45E-04
3.41E+02	1.46E-04	3.69E-04	-4.12E-04

3.41E+02	3.48E-04	3.88E-04	-4.34E-04
3.41E+02	5.20E-04	4.11E-04	-4.34E-04
3.41E+02	6.41E-04	4.50E-04	-3.74E-04
3.41E+02	6.76E-04	4.24E-04	-2.86E-04
3.41E+02	6.90E-04	3.38E-04	-1.48E-04
3.41E+02	7.08E-04	2.33E-04	6.58E-05
3.41E+02	7.18E-04	7.90E-05	2.37E-04
3.41E+02	6.88E-04	-9.99E-05	3.39E-04
3.41E+02	6.14E-04	-2.72E-04	3.75E-04
3.41E+02	5.65E-04	-4.06E-04	3.31E-04
3.41E+02	5.15E-04	-4.70E-04	2.78E-04
3.41E+02	4.27E-04	-4.83E-04	1.97E-04
3.41E+02	3.45E-04	-4.47E-04	9.31E-05
3.42E+02	2.79E-04	-3.45E-04	4.54E-05
3.42E+02	2.33E-04	-2.22E-04	-2.61E-05
3.42E+02	1.82E-04	-1.08E-04	-1.39E-04
3.42E+02	9.23E-05	-1.35E-05	-2.31E-04
3.42E+02	4.44E-05	8.72E-05	-3.02E-04
3.42E+02	4.20E-05	2.13E-04	-3.22E-04
3.42E+02	3.05E-05	3.15E-04	-3.54E-04
3.42E+02	6.66E-05	3.96E-04	-3.96E-04
3.42E+02	1.56E-04	4.67E-04	-3.66E-04
3.42E+02	2.65E-04	4.97E-04	-3.64E-04
3.42E+02	3.53E-04	5.07E-04	-3.80E-04
3.42E+02	3.84E-04	5.16E-04	-3.42E-04
3.42E+02	4.16E-04	5.27E-04	-2.82E-04
3.42E+02	4.20E-04	5.57E-04	-1.66E-04
3.42E+02	3.28E-04	5.73E-04	-3.24E-05
3.42E+02	1.80E-04	5.60E-04	7.76E-05
3.42E+02	-8.01E-06	5.62E-04	2.45E-04
3.42E+02	-2.11E-04	5.64E-04	3.95E-04
3.42E+02	-4.39E-04	5.33E-04	4.23E-04
3.42E+02	-6.82E-04	5.19E-04	4.29E-04
3.42E+02	-8.44E-04	5.34E-04	4.68E-04
3.42E+02	-9.47E-04	5.37E-04	4.99E-04
3.42E+02	-1.03E-03	4.99E-04	4.41E-04
3.42E+02	-1.06E-03	4.14E-04	2.79E-04
3.42E+02	-1.03E-03	3.37E-04	1.39E-04
3.42E+02	-9.26E-04	2.81E-04	3.34E-05
3.42E+02	-7.94E-04	2.34E-04	-6.28E-05
3.42E+02	-6.48E-04	2.03E-04	-1.21E-04
3.42E+02	-4.69E-04	1.57E-04	-1.66E-04
3.42E+02	-2.81E-04	1.11E-04	-1.88E-04
3.42E+02	-1.49E-04	4.69E-05	-2.13E-04
3.42E+02	-5.66E-05	-2.90E-05	-2.37E-04
3.42E+02	2.92E-05	-4.52E-05	-1.79E-04
3.42E+02	1.16E-04	-5.32E-05	-1.12E-04

3.42E+02	1.89E-04	-9.37E-05	-1.03E-04
3.42E+02	2.10E-04	-1.21E-04	-8.47E-05
3.42E+02	2.35E-04	-1.23E-04	-5.86E-05
3.42E+02	3.04E-04	-5.30E-05	-1.34E-06
3.42E+02	3.73E-04	6.41E-05	5.70E-05
3.42E+02	4.61E-04	1.87E-04	8.26E-05
3.42E+02	6.13E-04	3.82E-04	1.94E-04
3.42E+02	7.80E-04	5.75E-04	3.09E-04
3.42E+02	9.06E-04	7.02E-04	3.57E-04
3.42E+02	9.67E-04	8.12E-04	4.04E-04
3.42E+02	9.80E-04	8.79E-04	3.99E-04
3.42E+02	9.83E-04	9.46E-04	3.92E-04
3.42E+02	9.39E-04	1.03E-03	3.81E-04
3.42E+02	8.56E-04	1.09E-03	3.07E-04
3.42E+02	7.99E-04	1.20E-03	2.67E-04
3.42E+02	7.65E-04	1.30E-03	2.30E-04
3.42E+02	7.34E-04	1.34E-03	1.25E-04
3.42E+02	6.57E-04	1.33E-03	3.34E-05
3.42E+02	5.70E-04	1.28E-03	-2.80E-05
3.42E+02	5.13E-04	1.21E-03	-6.77E-05
3.42E+02	4.15E-04	1.12E-03	-7.50E-05
3.42E+02	3.08E-04	9.60E-04	-8.26E-05
3.42E+02	2.40E-04	8.02E-04	-2.17E-05
3.42E+02	2.09E-04	6.83E-04	8.85E-05
3.42E+02	2.03E-04	5.69E-04	1.50E-04
3.42E+02	1.78E-04	5.08E-04	2.29E-04
3.42E+02	1.77E-04	4.97E-04	2.98E-04
3.42E+02	2.26E-04	5.18E-04	3.29E-04
3.42E+02	2.55E-04	5.53E-04	3.31E-04
3.42E+02	2.57E-04	5.53E-04	2.52E-04
3.42E+02	2.35E-04	5.43E-04	2.07E-04
3.42E+02	1.81E-04	5.28E-04	1.98E-04
3.42E+02	1.01E-04	4.96E-04	1.50E-04
3.42E+02	-4.94E-05	4.71E-04	1.59E-04
3.42E+02	-2.29E-04	4.54E-04	2.07E-04
3.42E+02	-3.74E-04	4.74E-04	2.62E-04
3.42E+02	-5.39E-04	5.22E-04	2.79E-04
3.42E+02	-7.03E-04	5.61E-04	1.82E-04
3.42E+02	-8.02E-04	6.29E-04	1.01E-04
3.42E+02	-8.26E-04	7.06E-04	4.54E-05
3.42E+02	-7.82E-04	7.38E-04	-8.98E-05
3.42E+02	-7.31E-04	7.42E-04	-2.68E-04
3.42E+02	-6.65E-04	7.10E-04	-4.87E-04
3.42E+02	-5.55E-04	6.75E-04	-6.83E-04
3.42E+02	-4.98E-04	6.34E-04	-8.04E-04
3.42E+02	-5.15E-04	5.48E-04	-9.05E-04
3.42E+02	-5.50E-04	4.84E-04	-8.90E-04

3.42E+02	-5.91E-04	4.61E-04	-7.54E-04
3.42E+02	-6.46E-04	4.59E-04	-6.54E-04
3.42E+02	-7.32E-04	5.08E-04	-5.67E-04
3.42E+02	-8.15E-04	6.23E-04	-4.58E-04
3.42E+02	-8.29E-04	8.23E-04	-3.15E-04
3.42E+02	-8.08E-04	1.03E-03	-1.67E-04
3.42E+02	-7.81E-04	1.15E-03	-1.12E-04
3.42E+02	-6.95E-04	1.21E-03	-5.66E-05
3.42E+02	-5.85E-04	1.18E-03	3.89E-05
3.42E+02	-4.81E-04	1.07E-03	1.36E-04
3.42E+02	-4.13E-04	9.15E-04	2.74E-04
3.42E+02	-4.14E-04	6.98E-04	3.75E-04
3.42E+02	-4.14E-04	4.71E-04	4.11E-04
3.42E+02	-4.59E-04	2.37E-04	3.99E-04
3.42E+02	-5.55E-04	-2.82E-05	2.96E-04
3.42E+02	-6.19E-04	-2.54E-04	2.10E-04
3.42E+02	-6.38E-04	-4.14E-04	2.05E-04
3.42E+02	-5.79E-04	-5.24E-04	1.61E-04
3.42E+02	-4.86E-04	-5.84E-04	9.10E-05
3.42E+02	-3.76E-04	-5.78E-04	4.18E-05
3.42E+02	-1.83E-04	-4.80E-04	-2.46E-05
3.42E+02	3.28E-05	-3.18E-04	-9.25E-05
3.42E+02	2.30E-04	-1.53E-04	-2.14E-04
3.42E+02	4.43E-04	3.95E-05	-3.35E-04
3.42E+02	6.50E-04	2.71E-04	-3.99E-04
3.42E+02	8.42E-04	4.86E-04	-5.25E-04
3.42E+02	9.74E-04	6.70E-04	-6.62E-04
3.42E+02	1.02E-03	8.20E-04	-7.16E-04
3.42E+02	1.06E-03	9.46E-04	-7.25E-04
3.42E+02	1.04E-03	1.03E-03	-7.65E-04
3.42E+02	9.41E-04	1.07E-03	-9.07E-04
3.42E+02	8.01E-04	1.11E-03	-1.07E-03
3.42E+02	6.44E-04	1.16E-03	-1.14E-03
3.42E+02	5.24E-04	1.20E-03	-1.16E-03
3.42E+02	3.91E-04	1.20E-03	-1.11E-03
3.42E+02	2.38E-04	1.17E-03	-9.25E-04
3.42E+02	1.55E-04	1.13E-03	-6.88E-04
3.42E+02	9.19E-05	1.06E-03	-4.19E-04
3.42E+02	2.27E-05	9.35E-04	-2.08E-04
3.42E+02	4.77E-06	8.25E-04	-2.80E-05
3.42E+02	3.64E-05	7.76E-04	1.98E-04
3.42E+02	1.03E-04	7.76E-04	3.66E-04
3.42E+02	1.43E-04	8.30E-04	4.83E-04
3.42E+02	1.31E-04	9.08E-04	5.62E-04
3.42E+02	1.30E-04	9.92E-04	5.96E-04
3.42E+02	9.90E-05	1.07E-03	6.56E-04
3.42E+02	-1.14E-06	1.07E-03	6.34E-04

3.42E+02	-1.17E-04	1.02E-03	5.30E-04
3.42E+02	-2.27E-04	9.77E-04	4.78E-04
3.42E+02	-3.09E-04	8.97E-04	4.16E-04
3.42E+02	-3.80E-04	7.89E-04	3.54E-04
3.42E+02	-4.56E-04	6.57E-04	3.04E-04
3.42E+02	-4.48E-04	5.12E-04	1.99E-04
3.42E+02	-3.60E-04	3.77E-04	9.67E-05
3.42E+02	-2.73E-04	1.93E-04	-7.11E-05
3.42E+02	-1.23E-04	-1.05E-05	-3.15E-04
3.42E+02	9.46E-05	-1.62E-04	-5.15E-04
3.42E+02	3.19E-04	-2.88E-04	-7.23E-04
3.42E+02	5.34E-04	-3.63E-04	-8.90E-04
3.42E+02	6.84E-04	-3.86E-04	-9.65E-04
3.42E+02	7.98E-04	-3.68E-04	-1.01E-03
3.42E+02	8.71E-04	-2.78E-04	-9.72E-04
3.42E+02	8.34E-04	-1.46E-04	-9.23E-04
3.42E+02	7.42E-04	3.26E-05	-8.73E-04
3.42E+02	6.42E-04	2.99E-04	-7.45E-04
3.42E+02	5.64E-04	6.06E-04	-6.36E-04
3.42E+02	4.92E-04	9.04E-04	-5.51E-04
3.42E+02	3.77E-04	1.16E-03	-4.14E-04
3.42E+02	2.80E-04	1.38E-03	-2.39E-04
3.42E+02	2.01E-04	1.56E-03	-6.03E-05
3.42E+02	7.72E-05	1.64E-03	3.85E-05
3.42E+02	-4.16E-05	1.64E-03	9.86E-05
3.42E+02	-1.58E-04	1.60E-03	2.01E-04
3.42E+02	-2.90E-04	1.50E-03	2.54E-04
3.42E+02	-4.25E-04	1.39E-03	2.16E-04
3.42E+02	-5.79E-04	1.26E-03	1.44E-04
3.42E+02	-6.81E-04	1.13E-03	6.94E-05
3.42E+02	-7.13E-04	1.03E-03	1.22E-05
3.42E+02	-7.34E-04	9.03E-04	-5.02E-05
3.42E+02	-7.09E-04	7.72E-04	-1.10E-04
3.42E+02	-6.25E-04	6.79E-04	-1.14E-04
3.42E+02	-5.07E-04	5.77E-04	-1.58E-04
3.42E+02	-3.77E-04	4.60E-04	-2.53E-04
3.42E+02	-2.95E-04	3.50E-04	-2.81E-04
3.42E+02	-2.11E-04	2.46E-04	-2.74E-04
3.42E+02	-1.07E-04	1.70E-04	-2.22E-04
3.42E+02	-5.30E-05	7.65E-05	-1.67E-04
3.42E+02	-2.35E-05	-3.11E-05	-1.55E-04
3.42E+02	-3.24E-06	-9.86E-05	-4.16E-05
3.42E+02	5.15E-06	-1.59E-04	7.95E-05
3.42E+02	-6.10E-06	-2.02E-04	1.04E-04
3.42E+02	-6.98E-05	-2.21E-04	9.57E-05
3.42E+02	-1.06E-04	-2.38E-04	2.00E-05
3.42E+02	-8.13E-05	-2.39E-04	-6.66E-05

3.42E+02	-8.37E-05	-2.74E-04	-1.87E-04
3.42E+02	-6.89E-05	-3.30E-04	-3.65E-04
3.42E+02	-8.77E-06	-3.32E-04	-4.79E-04
3.42E+02	4.10E-05	-3.31E-04	-6.04E-04
3.42E+02	9.48E-05	-3.26E-04	-7.58E-04
3.42E+02	1.01E-04	-2.78E-04	-8.29E-04
3.42E+02	8.26E-05	-2.04E-04	-8.40E-04
3.42E+02	9.54E-05	-1.02E-04	-8.33E-04
3.42E+02	5.63E-05	-2.82E-05	-8.71E-04
3.42E+02	1.07E-05	-1.74E-05	-9.91E-04
3.42E+02	2.44E-05	-1.85E-05	-1.07E-03
3.42E+02	7.80E-05	-2.94E-05	-1.07E-03
3.42E+02	1.57E-04	-7.02E-05	-1.01E-03
3.42E+02	2.13E-04	-1.35E-04	-8.90E-04
3.42E+02	2.77E-04	-2.13E-04	-7.90E-04
3.42E+02	3.67E-04	-2.72E-04	-7.25E-04
3.42E+02	4.12E-04	-3.09E-04	-6.61E-04
3.42E+02	4.25E-04	-3.36E-04	-6.08E-04
3.42E+02	4.50E-04	-3.10E-04	-4.36E-04
3.42E+02	4.85E-04	-2.50E-04	-1.95E-04
3.42E+02	5.30E-04	-2.11E-04	7.06E-06
3.42E+02	5.40E-04	-1.89E-04	2.37E-04
3.42E+02	5.55E-04	-2.00E-04	4.53E-04
3.42E+02	6.47E-04	-2.21E-04	6.44E-04
3.42E+02	7.21E-04	-2.84E-04	7.59E-04
3.43E+02	7.84E-04	-4.12E-04	7.39E-04
3.43E+02	8.91E-04	-5.08E-04	7.32E-04
3.43E+02	1.01E-03	-5.77E-04	7.29E-04
3.43E+02	1.12E-03	-6.36E-04	6.77E-04
3.43E+02	1.17E-03	-6.77E-04	6.59E-04
3.43E+02	1.19E-03	-7.18E-04	6.53E-04
3.43E+02	1.24E-03	-7.27E-04	6.49E-04
3.43E+02	1.22E-03	-7.12E-04	6.47E-04
3.43E+02	1.13E-03	-6.95E-04	5.79E-04
3.43E+02	1.04E-03	-6.43E-04	5.14E-04
3.43E+02	9.23E-04	-5.68E-04	4.26E-04
3.43E+02	8.37E-04	-5.06E-04	2.43E-04
3.43E+02	7.43E-04	-4.38E-04	8.56E-05
3.43E+02	6.48E-04	-3.57E-04	-8.20E-06
3.43E+02	6.21E-04	-2.59E-04	-2.82E-05
3.43E+02	5.81E-04	-1.81E-04	-8.58E-06
3.43E+02	5.12E-04	-1.86E-04	-5.93E-05
3.43E+02	4.71E-04	-2.15E-04	-9.63E-05
3.43E+02	4.41E-04	-2.37E-04	-8.22E-05
3.43E+02	4.26E-04	-2.83E-04	-5.84E-05
3.43E+02	3.83E-04	-3.26E-04	4.20E-05
3.43E+02	3.02E-04	-3.72E-04	1.43E-04

3.43E+02	2.47E-04	-4.17E-04	1.86E-04
3.43E+02	1.78E-04	-4.55E-04	2.06E-04
3.43E+02	7.19E-05	-5.27E-04	1.67E-04
3.43E+02	-1.26E-05	-6.13E-04	1.79E-04
3.43E+02	-6.28E-05	-7.02E-04	2.55E-04
3.43E+02	-5.97E-05	-8.23E-04	2.75E-04
3.43E+02	-5.11E-05	-9.43E-04	2.94E-04
3.43E+02	-4.39E-05	-1.06E-03	3.05E-04
3.43E+02	5.04E-05	-1.18E-03	3.15E-04
3.43E+02	1.55E-04	-1.30E-03	3.61E-04
3.43E+02	2.35E-04	-1.48E-03	3.83E-04
3.43E+02	3.50E-04	-1.67E-03	4.61E-04
3.43E+02	4.77E-04	-1.82E-03	6.16E-04
3.43E+02	6.10E-04	-1.96E-03	7.25E-04
3.43E+02	6.93E-04	-2.02E-03	7.80E-04
3.43E+02	7.13E-04	-2.02E-03	7.67E-04
3.43E+02	7.52E-04	-1.94E-03	6.99E-04
3.43E+02	7.53E-04	-1.77E-03	6.19E-04
3.43E+02	6.93E-04	-1.56E-03	4.72E-04
3.43E+02	6.43E-04	-1.28E-03	3.50E-04
3.43E+02	6.00E-04	-9.62E-04	3.21E-04
3.43E+02	5.60E-04	-6.90E-04	2.79E-04
3.43E+02	4.85E-04	-4.72E-04	2.41E-04
3.43E+02	3.64E-04	-3.25E-04	2.17E-04
3.43E+02	2.70E-04	-2.08E-04	1.78E-04
3.43E+02	1.64E-04	-7.92E-05	1.32E-04
3.43E+02	3.78E-05	1.22E-05	4.44E-05
3.43E+02	-5.86E-05	8.22E-05	-2.82E-05
3.43E+02	-9.37E-05	1.64E-04	-3.53E-05
3.43E+02	-5.68E-05	1.95E-04	-5.07E-05
3.43E+02	-3.43E-05	1.52E-04	-1.03E-04
3.43E+02	-1.64E-05	6.66E-05	-1.83E-04
3.43E+02	7.72E-05	-4.39E-05	-2.78E-04
3.43E+02	1.87E-04	-1.60E-04	-3.34E-04
3.43E+02	2.69E-04	-2.97E-04	-3.74E-04
3.43E+02	3.59E-04	-4.19E-04	-3.73E-04
3.43E+02	4.71E-04	-4.83E-04	-2.71E-04
3.43E+02	5.84E-04	-5.34E-04	-1.79E-04
3.43E+02	6.50E-04	-5.80E-04	-1.21E-04
3.43E+02	6.56E-04	-6.22E-04	-2.63E-05
3.43E+02	6.37E-04	-6.54E-04	9.88E-05
3.43E+02	5.73E-04	-6.78E-04	2.19E-04
3.43E+02	4.38E-04	-7.49E-04	2.22E-04
3.43E+02	2.94E-04	-8.30E-04	1.31E-04
3.43E+02	1.83E-04	-8.49E-04	7.00E-05
3.43E+02	1.18E-04	-8.22E-04	1.75E-05
3.43E+02	8.81E-05	-7.47E-04	1.28E-05

3.43E+02	7.84E-05	-6.35E-04	6.83E-05
3.43E+02	1.41E-04	-5.05E-04	1.15E-04
3.43E+02	2.42E-04	-3.73E-04	1.53E-04
3.43E+02	2.97E-04	-2.99E-04	1.20E-04
3.43E+02	3.49E-04	-2.46E-04	5.32E-05
3.43E+02	3.97E-04	-1.76E-04	9.54E-07
3.43E+02	4.40E-04	-1.18E-04	-1.46E-04
3.43E+02	4.89E-04	-2.82E-05	-3.09E-04
3.43E+02	4.92E-04	1.06E-04	-4.02E-04
3.43E+02	5.19E-04	2.80E-04	-4.68E-04
3.43E+02	5.39E-04	4.95E-04	-4.97E-04
3.43E+02	4.70E-04	6.60E-04	-5.68E-04
3.43E+02	3.77E-04	7.56E-04	-6.66E-04
3.43E+02	2.62E-04	8.20E-04	-6.80E-04
3.43E+02	1.67E-04	8.47E-04	-6.61E-04
3.43E+02	9.90E-05	8.57E-04	-5.97E-04
3.43E+02	1.91E-06	8.71E-04	-4.49E-04
3.43E+02	-2.63E-05	8.83E-04	-2.66E-04
3.43E+02	8.77E-06	9.11E-04	-4.65E-05
3.43E+02	2.08E-05	9.29E-04	1.17E-04
3.43E+02	5.05E-05	9.20E-04	1.80E-04
3.43E+02	8.95E-05	9.34E-04	2.51E-04
3.43E+02	1.26E-04	9.60E-04	2.73E-04
3.43E+02	1.36E-04	9.93E-04	2.49E-04
3.43E+02	6.03E-05	1.06E-03	2.71E-04
3.43E+02	-3.49E-05	1.13E-03	3.13E-04
3.43E+02	-1.39E-04	1.24E-03	3.94E-04
3.43E+02	-3.02E-04	1.33E-03	4.63E-04
3.43E+02	-4.51E-04	1.38E-03	4.81E-04
3.43E+02	-5.41E-04	1.44E-03	5.20E-04
3.43E+02	-5.65E-04	1.50E-03	5.03E-04
3.43E+02	-5.47E-04	1.53E-03	4.01E-04
3.43E+02	-5.44E-04	1.54E-03	2.71E-04
3.43E+02	-5.05E-04	1.51E-03	1.13E-04
3.43E+02	-4.38E-04	1.48E-03	7.44E-06
3.43E+02	-4.31E-04	1.40E-03	-3.81E-05
3.43E+02	-4.50E-04	1.27E-03	-8.14E-05
3.43E+02	-4.67E-04	1.14E-03	-4.86E-05
3.43E+02	-4.80E-04	1.03E-03	1.70E-05
3.43E+02	-5.02E-04	9.34E-04	3.66E-05
3.43E+02	-5.40E-04	8.98E-04	1.03E-04
3.43E+02	-5.40E-04	9.59E-04	2.38E-04
3.43E+02	-5.21E-04	1.06E-03	3.94E-04
3.43E+02	-5.28E-04	1.13E-03	5.11E-04
3.43E+02	-5.36E-04	1.12E-03	5.74E-04
3.43E+02	-5.20E-04	1.05E-03	6.81E-04
3.43E+02	-5.01E-04	9.06E-04	7.48E-04

3.43E+02	-4.97E-04	6.90E-04	6.77E-04
3.43E+02	-5.35E-04	4.61E-04	5.60E-04
3.43E+02	-5.58E-04	2.61E-04	4.31E-04
3.43E+02	-5.23E-04	1.12E-04	3.52E-04
3.43E+02	-5.11E-04	-9.54E-07	3.44E-04
3.43E+02	-5.12E-04	-1.08E-04	3.53E-04
3.43E+02	-4.88E-04	-1.65E-04	4.28E-04
3.43E+02	-4.42E-04	-2.09E-04	4.87E-04
3.43E+02	-3.57E-04	-2.67E-04	4.39E-04
3.43E+02	-2.73E-04	-3.11E-04	3.63E-04
3.43E+02	-1.84E-04	-3.26E-04	2.92E-04
3.43E+02	-4.62E-05	-2.60E-04	2.68E-04
3.43E+02	4.50E-05	-1.75E-04	2.33E-04
3.43E+02	9.16E-05	-1.19E-04	1.50E-04
3.43E+02	1.79E-04	-1.45E-05	1.73E-04
3.43E+02	2.58E-04	1.02E-04	2.46E-04
3.43E+02	3.11E-04	2.11E-04	2.65E-04
3.43E+02	3.14E-04	3.46E-04	2.86E-04
3.43E+02	2.84E-04	4.79E-04	3.01E-04
3.43E+02	2.81E-04	6.26E-04	3.45E-04
3.43E+02	2.18E-04	7.50E-04	4.32E-04
3.43E+02	9.50E-05	7.99E-04	5.23E-04
3.43E+02	-3.38E-05	8.19E-04	6.90E-04
3.43E+02	-1.80E-04	7.85E-04	8.43E-04
3.43E+02	-3.16E-04	6.85E-04	8.28E-04
3.43E+02	-4.69E-04	5.70E-04	7.30E-04
3.43E+02	-6.00E-04	4.61E-04	5.77E-04
3.43E+02	-6.31E-04	4.00E-04	4.01E-04
3.43E+02	-6.32E-04	3.70E-04	2.30E-04
3.43E+02	-6.06E-04	3.32E-04	9.54E-06
3.43E+02	-5.23E-04	3.24E-04	-1.26E-04
3.43E+02	-4.04E-04	3.38E-04	-1.32E-04
3.43E+02	-2.68E-04	3.22E-04	-1.49E-04
3.43E+02	-1.87E-04	2.93E-04	-1.94E-04
3.43E+02	-1.29E-04	2.78E-04	-2.76E-04
3.43E+02	-6.66E-05	2.69E-04	-3.85E-04
3.43E+02	-8.49E-05	2.61E-04	-4.60E-04
3.43E+02	-1.72E-04	2.26E-04	-5.25E-04
3.43E+02	-2.85E-04	1.83E-04	-5.25E-04
3.43E+02	-4.13E-04	1.36E-04	-4.84E-04
3.43E+02	-5.36E-04	4.33E-05	-5.43E-04
3.43E+02	-6.71E-04	-4.84E-05	-6.37E-04
3.43E+02	-7.91E-04	-1.18E-04	-7.15E-04
3.43E+02	-8.35E-04	-1.37E-04	-7.64E-04
3.43E+02	-8.56E-04	-1.01E-04	-7.43E-04
3.43E+02	-8.98E-04	-1.09E-04	-7.50E-04
3.43E+02	-9.27E-04	-1.21E-04	-7.15E-04

3.43E+02	-9.37E-04	-1.01E-04	-5.74E-04
3.43E+02	-9.29E-04	-1.04E-04	-4.39E-04
3.43E+02	-9.39E-04	-9.67E-05	-2.93E-04
3.43E+02	-9.76E-04	-1.04E-04	-1.82E-04
3.43E+02	-9.47E-04	-9.75E-05	-1.43E-04
3.43E+02	-8.73E-04	-4.41E-05	-1.29E-04
3.43E+02	-8.13E-04	-1.14E-05	-1.94E-04
3.43E+02	-7.12E-04	3.91E-05	-2.39E-04
3.43E+02	-5.71E-04	9.99E-05	-1.97E-04
3.43E+02	-4.14E-04	1.28E-04	-1.96E-04
3.43E+02	-2.66E-04	1.35E-04	-2.11E-04
3.43E+02	-1.41E-04	1.17E-04	-2.25E-04
3.43E+02	1.20E-05	1.01E-04	-2.67E-04
3.43E+02	1.48E-04	7.48E-05	-3.02E-04
3.43E+02	2.22E-04	4.58E-06	-3.62E-04
3.43E+02	2.79E-04	-8.79E-05	-3.52E-04
3.43E+02	3.19E-04	-1.73E-04	-2.19E-04
3.43E+02	3.38E-04	-2.67E-04	-1.18E-04
3.43E+02	3.29E-04	-3.69E-04	-5.55E-05
3.43E+02	2.97E-04	-4.62E-04	-4.14E-05
3.43E+02	3.13E-04	-5.50E-04	-1.17E-04
3.43E+02	3.64E-04	-6.28E-04	-2.13E-04
3.43E+02	3.99E-04	-7.24E-04	-3.35E-04
3.43E+02	4.47E-04	-8.12E-04	-3.94E-04
3.43E+02	5.08E-04	-8.55E-04	-3.34E-04
3.43E+02	5.63E-04	-8.90E-04	-3.05E-04
3.43E+02	5.78E-04	-9.10E-04	-3.06E-04
3.43E+02	5.30E-04	-9.01E-04	-2.91E-04
3.43E+02	4.91E-04	-8.54E-04	-2.78E-04
3.43E+02	4.47E-04	-7.54E-04	-2.55E-04
3.43E+02	3.54E-04	-6.46E-04	-2.83E-04
3.43E+02	2.71E-04	-5.32E-04	-2.89E-04
3.43E+02	2.14E-04	-3.95E-04	-1.81E-04
3.43E+02	1.75E-04	-2.82E-04	-7.25E-05
3.43E+02	1.14E-04	-1.92E-04	8.96E-06
3.43E+02	2.31E-05	-1.27E-04	3.64E-05
3.43E+02	-6.87E-06	-8.87E-05	-1.20E-05
3.44E+02	-5.72E-06	-6.12E-05	-3.81E-05
3.44E+02	-2.42E-05	-7.59E-05	-8.43E-05
3.44E+02	-6.10E-06	-1.06E-04	-1.08E-04
3.44E+02	3.34E-05	-1.23E-04	-2.61E-05
3.44E+02	8.62E-05	-1.63E-04	1.77E-05
3.44E+02	1.32E-04	-2.20E-04	2.82E-05
3.44E+02	1.41E-04	-2.67E-04	6.22E-05
3.44E+02	1.92E-04	-2.84E-04	5.13E-05
3.44E+02	2.55E-04	-2.61E-04	-1.01E-05
3.44E+02	2.77E-04	-2.49E-04	-1.64E-04

3.44E+02	3.08E-04	-2.57E-04	-3.56E-04
3.44E+02	3.61E-04	-2.29E-04	-4.48E-04
3.44E+02	4.39E-04	-2.00E-04	-4.89E-04
3.44E+02	4.82E-04	-1.98E-04	-4.90E-04
3.44E+02	4.69E-04	-2.12E-04	-4.43E-04
3.44E+02	4.93E-04	-2.42E-04	-4.14E-04
3.44E+02	5.24E-04	-2.65E-04	-3.95E-04
3.44E+02	5.14E-04	-3.16E-04	-4.34E-04
3.44E+02	5.09E-04	-3.74E-04	-5.18E-04
3.44E+02	5.09E-04	-3.99E-04	-5.34E-04
3.44E+02	5.32E-04	-4.15E-04	-5.08E-04
3.44E+02	5.59E-04	-4.26E-04	-4.34E-04
3.44E+02	5.45E-04	-4.32E-04	-2.65E-04
3.44E+02	5.47E-04	-4.47E-04	-7.04E-05
3.44E+02	5.61E-04	-4.73E-04	8.68E-05
3.44E+02	5.10E-04	-5.30E-04	1.03E-04
3.44E+02	4.46E-04	-5.99E-04	-4.35E-05
3.44E+02	4.15E-04	-6.07E-04	-1.87E-04
3.44E+02	3.72E-04	-5.80E-04	-3.13E-04
3.44E+02	2.88E-04	-5.64E-04	-4.17E-04
3.44E+02	1.49E-04	-5.58E-04	-4.57E-04
3.44E+02	1.18E-05	-5.91E-04	-5.00E-04
3.44E+02	-9.21E-05	-6.51E-04	-4.99E-04
3.44E+02	-2.19E-04	-7.60E-04	-4.78E-04
3.44E+02	-3.38E-04	-9.00E-04	-4.93E-04
3.44E+02	-4.01E-04	-9.71E-04	-4.85E-04
3.44E+02	-4.16E-04	-9.85E-04	-5.59E-04
3.44E+02	-4.06E-04	-9.51E-04	-6.88E-04
3.44E+02	-4.07E-04	-8.57E-04	-7.04E-04
3.44E+02	-3.82E-04	-7.30E-04	-6.31E-04
3.44E+02	-3.32E-04	-5.87E-04	-5.06E-04
3.44E+02	-3.11E-04	-5.01E-04	-4.28E-04
3.44E+02	-2.81E-04	-4.75E-04	-4.31E-04
3.44E+02	-1.95E-04	-4.33E-04	-3.72E-04
3.44E+02	-6.48E-05	-3.84E-04	-3.06E-04
3.44E+02	7.10E-05	-3.28E-04	-3.05E-04
3.44E+02	1.65E-04	-2.57E-04	-3.33E-04
3.44E+02	2.54E-04	-1.89E-04	-3.94E-04
3.44E+02	3.54E-04	-1.11E-04	-4.37E-04
3.44E+02	3.86E-04	-6.96E-05	-4.61E-04
3.44E+02	3.58E-04	-8.70E-05	-4.85E-04
3.44E+02	3.09E-04	-1.21E-04	-4.40E-04
3.44E+02	2.48E-04	-1.82E-04	-3.94E-04
3.44E+02	1.79E-04	-2.41E-04	-3.94E-04
3.44E+02	7.92E-05	-2.62E-04	-3.36E-04
3.44E+02	9.92E-06	-2.54E-04	-2.04E-04
3.44E+02	-8.01E-06	-2.09E-04	-2.54E-05

3.44E+02	-3.85E-05	-2.01E-04	9.56E-05
3.44E+02	-4.56E-05	-2.43E-04	8.58E-05
3.44E+02	3.62E-06	-2.64E-04	6.50E-05
3.44E+02	1.16E-04	-2.92E-04	2.63E-05
3.44E+02	2.57E-04	-3.29E-04	-7.06E-05
3.44E+02	3.60E-04	-3.55E-04	-1.64E-04
3.44E+02	4.77E-04	-3.80E-04	-2.38E-04
3.44E+02	5.91E-04	-3.80E-04	-2.44E-04
3.44E+02	5.98E-04	-4.02E-04	-2.33E-04
3.44E+02	5.33E-04	-4.96E-04	-2.68E-04
3.44E+02	4.39E-04	-5.98E-04	-2.42E-04
3.44E+02	3.24E-04	-6.99E-04	-2.05E-04
3.44E+02	2.18E-04	-8.13E-04	-2.05E-04
3.44E+02	1.00E-04	-8.80E-04	-1.38E-04
3.44E+02	2.35E-05	-8.67E-04	-8.20E-06
3.44E+02	3.01E-05	-7.64E-04	1.68E-04
3.44E+02	4.08E-05	-6.35E-04	3.60E-04
3.44E+02	8.18E-05	-5.32E-04	5.12E-04
3.44E+02	1.78E-04	-4.25E-04	6.47E-04
3.44E+02	2.94E-04	-3.40E-04	7.27E-04
3.44E+02	4.12E-04	-2.85E-04	7.46E-04
3.44E+02	4.55E-04	-2.73E-04	7.43E-04
3.44E+02	4.43E-04	-3.14E-04	6.89E-04
3.44E+02	4.24E-04	-3.46E-04	6.10E-04
3.44E+02	3.38E-04	-3.84E-04	5.05E-04
3.44E+02	2.05E-04	-4.35E-04	3.46E-04
3.44E+02	8.09E-05	-4.50E-04	2.30E-04
3.44E+02	-3.95E-05	-4.38E-04	1.33E-04
3.44E+02	-1.51E-04	-4.27E-04	-3.91E-05
3.44E+02	-2.84E-04	-4.10E-04	-2.16E-04
3.44E+02	-4.31E-04	-3.94E-04	-3.47E-04
3.44E+02	-5.29E-04	-3.92E-04	-4.18E-04
3.44E+02	-6.43E-04	-4.44E-04	-4.59E-04
3.44E+02	-7.73E-04	-5.76E-04	-5.21E-04
3.44E+02	-8.58E-04	-7.27E-04	-5.14E-04
3.44E+02	-9.24E-04	-8.70E-04	-4.55E-04
3.44E+02	-9.77E-04	-1.01E-03	-4.39E-04
3.44E+02	-1.04E-03	-1.14E-03	-4.13E-04
3.44E+02	-1.08E-03	-1.24E-03	-3.61E-04
3.44E+02	-1.04E-03	-1.29E-03	-2.77E-04
3.44E+02	-9.86E-04	-1.30E-03	-1.32E-04
3.44E+02	-9.17E-04	-1.28E-03	4.27E-05
3.44E+02	-8.21E-04	-1.22E-03	2.43E-04
3.44E+02	-7.24E-04	-1.17E-03	3.96E-04
3.44E+02	-5.94E-04	-1.12E-03	4.24E-04
3.44E+02	-4.87E-04	-1.07E-03	4.07E-04
3.44E+02	-3.92E-04	-9.85E-04	4.11E-04

3.44E+02	-2.37E-04	-8.49E-04	4.55E-04
3.44E+02	-1.01E-04	-7.00E-04	4.98E-04
3.44E+02	-1.51E-05	-5.96E-04	4.82E-04
3.44E+02	8.53E-05	-5.12E-04	5.17E-04
3.44E+02	2.00E-04	-4.48E-04	6.02E-04
3.44E+02	3.09E-04	-4.24E-04	6.26E-04
3.44E+02	3.91E-04	-4.16E-04	6.17E-04
3.44E+02	4.76E-04	-3.90E-04	5.93E-04
3.44E+02	6.06E-04	-3.37E-04	5.96E-04
3.44E+02	7.37E-04	-2.86E-04	6.45E-04
3.44E+02	8.43E-04	-2.61E-04	6.88E-04
3.44E+02	9.38E-04	-2.45E-04	7.83E-04
3.44E+02	1.02E-03	-2.37E-04	9.06E-04
3.44E+02	1.07E-03	-2.67E-04	9.35E-04
3.44E+02	1.07E-03	-3.09E-04	9.02E-04
3.44E+02	1.03E-03	-3.23E-04	8.38E-04
3.44E+02	1.01E-03	-2.86E-04	7.49E-04
3.44E+02	9.60E-04	-2.00E-04	6.50E-04
3.44E+02	8.67E-04	-1.17E-04	4.75E-04
3.44E+02	7.79E-04	-4.58E-05	3.19E-04
3.44E+02	6.89E-04	5.53E-06	2.31E-04
3.44E+02	5.49E-04	-1.41E-05	1.02E-04
3.44E+02	3.36E-04	-8.93E-05	-3.20E-05
3.44E+02	4.83E-05	-2.03E-04	-1.62E-04
3.44E+02	-2.36E-04	-2.98E-04	-2.78E-04
3.44E+02	-4.99E-04	-3.39E-04	-3.23E-04
3.44E+02	-7.93E-04	-3.89E-04	-3.55E-04
3.44E+02	-1.04E-03	-4.18E-04	-3.07E-04
3.44E+02	-1.21E-03	-4.23E-04	-1.44E-04
3.44E+02	-1.33E-03	-4.70E-04	-4.33E-05
3.44E+02	-1.41E-03	-5.48E-04	-1.03E-05
3.44E+02	-1.46E-03	-6.43E-04	2.10E-05
3.44E+02	-1.42E-03	-7.26E-04	5.51E-05
3.44E+02	-1.34E-03	-7.96E-04	9.77E-05
3.44E+02	-1.25E-03	-8.94E-04	7.99E-05
3.44E+02	-1.12E-03	-9.52E-04	8.45E-05
3.44E+02	-9.64E-04	-9.29E-04	1.68E-04
3.44E+02	-7.96E-04	-8.58E-04	2.12E-04
3.44E+02	-6.45E-04	-7.40E-04	2.32E-04
3.44E+02	-5.21E-04	-5.98E-04	2.32E-04
3.44E+02	-3.52E-04	-4.15E-04	2.12E-04
3.44E+02	-1.99E-04	-2.19E-04	2.05E-04
3.44E+02	-1.14E-04	-8.14E-05	1.66E-04
3.44E+02	-1.93E-05	3.97E-05	1.41E-04
3.44E+02	6.68E-05	1.62E-04	1.74E-04
3.44E+02	1.66E-04	2.39E-04	1.89E-04
3.44E+02	2.79E-04	2.76E-04	1.86E-04

3.44E+02	3.65E-04	3.00E-04	1.64E-04
3.44E+02	5.25E-04	3.27E-04	8.34E-05
3.44E+02	7.31E-04	3.64E-04	-1.09E-05
3.44E+02	9.17E-04	3.81E-04	-1.33E-04
3.44E+02	1.11E-03	3.81E-04	-2.46E-04
3.44E+02	1.30E-03	4.06E-04	-2.68E-04
3.44E+02	1.46E-03	4.43E-04	-2.43E-04
3.44E+02	1.55E-03	4.74E-04	-1.23E-04
3.44E+02	1.54E-03	4.89E-04	7.36E-05
3.44E+02	1.52E-03	4.75E-04	2.39E-04
3.44E+02	1.48E-03	4.65E-04	4.07E-04
3.44E+02	1.37E-03	4.35E-04	5.44E-04
3.44E+02	1.27E-03	3.92E-04	6.86E-04
3.44E+02	1.20E-03	3.70E-04	8.82E-04
3.44E+02	1.16E-03	3.31E-04	1.01E-03
3.44E+02	1.13E-03	2.83E-04	1.12E-03
3.44E+02	1.05E-03	2.02E-04	1.24E-03
3.44E+02	9.75E-04	8.72E-05	1.33E-03
3.44E+02	9.14E-04	-3.81E-07	1.39E-03
3.44E+02	7.70E-04	-1.15E-04	1.30E-03
3.44E+02	6.04E-04	-2.41E-04	1.09E-03
3.44E+02	4.40E-04	-3.02E-04	9.43E-04
3.44E+02	2.59E-04	-3.19E-04	8.33E-04
3.44E+02	4.94E-05	-2.88E-04	7.52E-04
3.44E+02	-2.04E-04	-2.07E-04	7.11E-04
3.44E+02	-4.16E-04	-9.31E-05	6.84E-04
3.44E+02	-5.88E-04	7.15E-05	6.74E-04
3.44E+02	-7.53E-04	2.34E-04	5.86E-04
3.44E+02	-8.39E-04	3.77E-04	4.06E-04
3.44E+02	-8.42E-04	5.21E-04	2.49E-04
3.44E+02	-7.81E-04	6.12E-04	8.91E-05
3.44E+02	-6.87E-04	6.42E-04	-6.50E-05
3.44E+02	-6.21E-04	6.32E-04	-1.35E-04
3.44E+02	-5.34E-04	6.22E-04	-1.42E-04
3.44E+02	-4.38E-04	6.25E-04	-1.33E-04
3.44E+02	-4.00E-04	5.87E-04	-1.72E-04
3.44E+02	-3.57E-04	5.45E-04	-2.47E-04
3.44E+02	-2.83E-04	5.46E-04	-2.92E-04
3.44E+02	-2.05E-04	5.46E-04	-3.61E-04
3.44E+02	-1.48E-04	5.36E-04	-4.64E-04
3.44E+02	-1.53E-04	5.11E-04	-5.29E-04
3.44E+02	-1.62E-04	4.67E-04	-5.76E-04
3.44E+02	-1.55E-04	4.15E-04	-5.95E-04
3.44E+02	-1.96E-04	3.26E-04	-5.98E-04
3.44E+02	-2.40E-04	2.24E-04	-6.07E-04
3.44E+02	-2.51E-04	1.64E-04	-5.51E-04
3.44E+02	-2.46E-04	1.34E-04	-5.20E-04

3.44E+02	-2.36E-04	1.39E-04	-5.38E-04
3.44E+02	-2.58E-04	1.78E-04	-4.93E-04
3.45E+02	-2.63E-04	2.27E-04	-4.05E-04
3.45E+02	-2.25E-04	2.80E-04	-2.73E-04
3.45E+02	-2.13E-04	2.85E-04	-1.62E-04
3.45E+02	-1.89E-04	2.29E-04	-1.29E-04
3.45E+02	-1.24E-04	1.58E-04	-5.97E-05
3.45E+02	-2.96E-05	8.24E-05	-1.05E-05
3.45E+02	6.69E-05	1.64E-05	-2.65E-05
3.45E+02	1.10E-04	-2.86E-05	-2.38E-05
3.45E+02	1.67E-04	-6.50E-05	-1.13E-05
3.45E+02	2.54E-04	-7.51E-05	4.56E-05
3.45E+02	2.77E-04	-7.90E-05	1.27E-04
3.45E+02	2.65E-04	-9.23E-05	1.71E-04
3.45E+02	2.50E-04	-5.78E-05	2.54E-04
3.45E+02	2.18E-04	-8.77E-06	3.46E-04
3.45E+02	1.57E-04	1.72E-05	3.59E-04
3.45E+02	2.35E-05	4.63E-05	3.51E-04
3.45E+02	-1.25E-04	6.56E-05	3.61E-04
3.45E+02	-2.42E-04	7.29E-05	3.81E-04
3.45E+02	-3.83E-04	2.42E-05	3.61E-04
3.45E+02	-5.08E-04	-8.16E-05	2.81E-04
3.45E+02	-5.80E-04	-1.58E-04	2.30E-04
3.45E+02	-6.13E-04	-2.06E-04	1.77E-04
3.45E+02	-6.30E-04	-2.37E-04	5.82E-05
3.45E+02	-6.73E-04	-2.58E-04	-6.85E-05
3.45E+02	-7.10E-04	-2.93E-04	-2.07E-04
3.45E+02	-7.11E-04	-3.20E-04	-3.11E-04
3.45E+02	-7.24E-04	-3.90E-04	-3.83E-04
3.45E+02	-7.51E-04	-5.18E-04	-5.00E-04
3.45E+02	-7.44E-04	-6.32E-04	-5.57E-04
3.45E+02	-6.77E-04	-7.22E-04	-5.75E-04
3.45E+02	-5.49E-04	-7.90E-04	-6.41E-04
3.45E+02	-4.19E-04	-8.15E-04	-6.35E-04
3.45E+02	-2.66E-04	-7.69E-04	-5.33E-04
3.45E+02	-7.86E-05	-6.44E-04	-3.88E-04
3.45E+02	5.84E-05	-4.84E-04	-2.40E-04
3.45E+02	1.60E-04	-3.22E-04	-1.31E-04
3.45E+02	2.29E-04	-1.47E-04	1.49E-05
3.45E+02	2.57E-04	4.43E-05	1.63E-04
3.45E+02	2.74E-04	2.33E-04	2.09E-04
3.45E+02	2.32E-04	4.16E-04	2.07E-04
3.45E+02	1.79E-04	5.87E-04	1.81E-04
3.45E+02	1.74E-04	7.63E-04	1.74E-04
3.45E+02	1.37E-04	9.07E-04	2.31E-04
3.45E+02	6.71E-05	9.61E-04	2.85E-04
3.45E+02	7.82E-06	9.78E-04	3.92E-04

3.45E+02	-5.00E-05	9.45E-04	5.54E-04
3.45E+02	-1.03E-04	8.37E-04	6.52E-04
3.45E+02	-1.84E-04	6.85E-04	7.26E-04
3.45E+02	-2.75E-04	4.86E-04	7.76E-04
3.45E+02	-3.25E-04	2.84E-04	7.93E-04
3.45E+02	-4.05E-04	6.92E-05	7.82E-04
3.45E+02	-5.37E-04	-1.86E-04	6.75E-04
3.45E+02	-6.62E-04	-4.15E-04	5.61E-04
3.45E+02	-7.81E-04	-6.16E-04	4.56E-04
3.45E+02	-8.92E-04	-8.03E-04	3.18E-04
3.45E+02	-1.02E-03	-9.68E-04	2.16E-04
3.45E+02	-1.14E-03	-1.13E-03	1.09E-04
3.45E+02	-1.19E-03	-1.24E-03	2.77E-05
3.45E+02	-1.23E-03	-1.33E-03	-2.48E-05
3.45E+02	-1.30E-03	-1.41E-03	-1.28E-04
3.45E+02	-1.32E-03	-1.44E-03	-2.06E-04
3.45E+02	-1.28E-03	-1.41E-03	-2.62E-04
3.45E+02	-1.20E-03	-1.32E-03	-3.47E-04
3.45E+02	-1.09E-03	-1.21E-03	-3.93E-04
3.45E+02	-9.48E-04	-1.05E-03	-3.75E-04
3.45E+02	-7.47E-04	-8.36E-04	-3.08E-04
3.45E+02	-5.57E-04	-5.97E-04	-2.55E-04
3.45E+02	-3.95E-04	-3.65E-04	-2.99E-04
3.45E+02	-2.15E-04	-1.08E-04	-3.44E-04
3.45E+02	-3.72E-05	1.71E-04	-3.21E-04
3.45E+02	1.31E-04	4.43E-04	-3.28E-04
3.45E+02	2.43E-04	7.04E-04	-3.44E-04
3.45E+02	2.95E-04	9.24E-04	-3.39E-04
3.45E+02	3.61E-04	1.09E-03	-3.41E-04
3.45E+02	3.73E-04	1.20E-03	-3.40E-04
3.45E+02	2.75E-04	1.22E-03	-3.82E-04
3.45E+02	1.36E-04	1.18E-03	-3.92E-04
3.45E+02	-3.89E-05	1.15E-03	-3.15E-04
3.45E+02	-2.33E-04	1.08E-03	-2.85E-04
3.45E+02	-4.35E-04	9.98E-04	-2.55E-04
3.45E+02	-6.30E-04	9.38E-04	-1.71E-04
3.45E+02	-7.25E-04	8.93E-04	-6.24E-05
3.45E+02	-7.55E-04	8.47E-04	7.82E-05
3.45E+02	-7.52E-04	7.58E-04	1.57E-04
3.45E+02	-6.58E-04	6.52E-04	2.24E-04
3.45E+02	-4.99E-04	5.70E-04	3.33E-04
3.45E+02	-3.00E-04	4.56E-04	3.86E-04
3.45E+02	-1.16E-04	3.32E-04	4.28E-04
3.45E+02	3.55E-05	2.32E-04	4.67E-04
3.45E+02	2.17E-04	1.29E-04	4.78E-04
3.45E+02	3.84E-04	5.17E-05	5.12E-04
3.45E+02	5.02E-04	-3.57E-05	5.21E-04

3.45E+02	5.98E-04	-1.15E-04	5.08E-04
3.45E+02	6.78E-04	-1.17E-04	5.13E-04
3.45E+02	7.69E-04	-8.35E-05	4.51E-04
3.45E+02	8.36E-04	-1.91E-05	3.36E-04
3.45E+02	8.61E-04	9.27E-05	2.22E-04
3.45E+02	9.18E-04	2.33E-04	1.05E-04
3.45E+02	9.47E-04	3.84E-04	3.81E-07
3.45E+02	8.90E-04	5.09E-04	-1.45E-04
3.45E+02	7.84E-04	6.00E-04	-3.31E-04
3.45E+02	6.44E-04	6.92E-04	-4.56E-04
3.45E+02	5.05E-04	7.93E-04	-5.25E-04
3.45E+02	3.15E-04	8.87E-04	-5.41E-04
3.45E+02	6.96E-05	9.66E-04	-4.83E-04
3.45E+02	-1.26E-04	1.03E-03	-3.77E-04
3.45E+02	-3.08E-04	1.06E-03	-2.43E-04
3.45E+02	-5.14E-04	1.01E-03	-1.70E-04
3.45E+02	-6.77E-04	8.74E-04	-1.75E-04
3.45E+02	-7.66E-04	6.94E-04	-1.62E-04
3.45E+02	-7.79E-04	4.45E-04	-1.69E-04
3.45E+02	-7.49E-04	1.57E-04	-2.13E-04
3.45E+02	-7.15E-04	-1.33E-04	-2.52E-04
3.45E+02	-6.37E-04	-3.95E-04	-2.90E-04
3.45E+02	-5.20E-04	-6.00E-04	-2.97E-04
3.45E+02	-4.39E-04	-7.85E-04	-3.10E-04
3.45E+02	-3.65E-04	-9.42E-04	-3.33E-04
3.45E+02	-2.43E-04	-1.02E-03	-3.02E-04
3.45E+02	-1.23E-04	-1.04E-03	-3.08E-04
3.45E+02	-2.52E-05	-1.04E-03	-3.67E-04
3.45E+02	7.92E-05	-9.96E-04	-4.03E-04
3.45E+02	2.29E-04	-9.39E-04	-4.40E-04
3.45E+02	4.09E-04	-8.74E-04	-4.39E-04
3.45E+02	5.48E-04	-8.33E-04	-4.21E-04
3.45E+02	6.78E-04	-7.98E-04	-3.94E-04
3.45E+02	8.25E-04	-7.02E-04	-2.72E-04
3.45E+02	9.95E-04	-5.62E-04	-1.64E-04
3.45E+02	1.18E-03	-3.96E-04	-1.06E-04
3.45E+02	1.33E-03	-1.90E-04	-6.29E-06
3.45E+02	1.49E-03	4.90E-05	1.02E-04
3.45E+02	1.67E-03	3.23E-04	2.13E-04
3.45E+02	1.77E-03	5.70E-04	2.41E-04
3.45E+02	1.82E-03	7.26E-04	1.54E-04
3.45E+02	1.84E-03	8.10E-04	7.06E-05
3.45E+02	1.80E-03	8.00E-04	-3.81E-05
3.45E+02	1.70E-03	6.94E-04	-1.67E-04
3.45E+02	1.52E-03	5.37E-04	-2.47E-04
3.45E+02	1.35E-03	3.44E-04	-2.99E-04
3.45E+02	1.18E-03	1.58E-04	-3.07E-04

3.45E+02	9.78E-04	-2.96E-05	-3.48E-04
3.45E+02	7.66E-04	-2.32E-04	-4.63E-04
3.45E+02	5.80E-04	-4.20E-04	-5.77E-04
3.45E+02	4.15E-04	-6.10E-04	-7.19E-04
3.45E+02	2.79E-04	-8.03E-04	-8.68E-04
3.45E+02	1.13E-04	-9.89E-04	-9.49E-04
3.45E+02	-4.25E-05	-1.14E-03	-9.43E-04
3.45E+02	-1.59E-04	-1.24E-03	-8.17E-04
3.45E+02	-3.35E-04	-1.35E-03	-6.85E-04
3.45E+02	-5.43E-04	-1.49E-03	-6.00E-04
3.45E+02	-7.27E-04	-1.61E-03	-4.57E-04
3.45E+02	-8.86E-04	-1.70E-03	-3.35E-04
3.45E+02	-1.01E-03	-1.76E-03	-2.89E-04
3.45E+02	-1.10E-03	-1.78E-03	-2.71E-04
3.45E+02	-1.10E-03	-1.77E-03	-2.91E-04
3.45E+02	-1.01E-03	-1.69E-03	-2.86E-04
3.45E+02	-9.01E-04	-1.59E-03	-2.57E-04
3.45E+02	-7.83E-04	-1.48E-03	-2.42E-04
3.45E+02	-6.53E-04	-1.32E-03	-1.71E-04
3.45E+02	-5.28E-04	-1.14E-03	-1.08E-04
3.45E+02	-4.56E-04	-9.69E-04	-1.38E-04
3.45E+02	-4.72E-04	-7.74E-04	-1.75E-04
3.45E+02	-5.11E-04	-5.21E-04	-1.74E-04
3.45E+02	-5.64E-04	-2.32E-04	-9.54E-05
3.45E+02	-6.60E-04	6.39E-05	3.05E-05
3.45E+02	-7.67E-04	3.19E-04	1.30E-04
3.45E+02	-8.34E-04	5.50E-04	2.70E-04
3.45E+02	-8.44E-04	7.43E-04	3.90E-04
3.45E+02	-8.11E-04	8.50E-04	4.11E-04
3.45E+02	-7.76E-04	9.10E-04	3.84E-04
3.45E+02	-6.93E-04	9.44E-04	3.06E-04
3.45E+02	-5.21E-04	9.86E-04	2.25E-04
3.45E+02	-3.46E-04	1.03E-03	1.58E-04
3.45E+02	-1.79E-04	1.02E-03	7.57E-05
3.45E+02	-1.53E-06	9.51E-04	6.43E-05
3.45E+02	1.71E-04	8.42E-04	1.13E-04
3.45E+02	3.28E-04	6.73E-04	1.31E-04
3.45E+02	4.18E-04	4.81E-04	1.22E-04
3.45E+02	4.93E-04	3.05E-04	7.72E-05
3.45E+02	6.21E-04	1.94E-04	9.54E-07
3.45E+02	7.42E-04	1.39E-04	-9.21E-05
3.45E+02	8.62E-04	7.61E-05	-2.11E-04
3.45E+02	1.02E-03	1.53E-05	-2.71E-04
3.45E+02	1.19E-03	-5.17E-05	-2.66E-04
3.45E+02	1.34E-03	-1.78E-04	-2.88E-04
3.45E+02	1.43E-03	-3.57E-04	-2.86E-04
3.45E+02	1.48E-03	-5.62E-04	-2.57E-04

3.45E+02	1.53E-03	-7.51E-04	-2.18E-04
3.45E+02	1.49E-03	-9.09E-04	-1.56E-04
3.45E+02	1.39E-03	-1.06E-03	-1.45E-04
3.45E+02	1.26E-03	-1.12E-03	-1.02E-04
3.45E+02	1.12E-03	-1.10E-03	-1.49E-05
3.45E+02	1.00E-03	-1.08E-03	2.21E-05
3.45E+02	8.57E-04	-1.01E-03	1.02E-04
3.45E+02	7.16E-04	-9.04E-04	2.12E-04
3.45E+02	6.48E-04	-7.54E-04	2.94E-04
3.45E+02	5.69E-04	-5.77E-04	3.35E-04
3.45E+02	4.84E-04	-4.23E-04	2.91E-04
3.45E+02	4.26E-04	-2.80E-04	2.45E-04
3.45E+02	3.79E-04	-1.41E-04	2.52E-04
3.45E+02	3.59E-04	-1.74E-05	2.42E-04
3.46E+02	2.79E-04	8.30E-05	1.85E-04
3.46E+02	1.60E-04	1.55E-04	7.23E-05
3.46E+02	7.95E-05	2.41E-04	-3.97E-05
3.46E+02	-3.57E-05	3.38E-04	-1.11E-04
3.46E+02	-1.96E-04	3.90E-04	-2.12E-04
3.46E+02	-3.76E-04	4.26E-04	-2.86E-04
3.46E+02	-5.65E-04	4.57E-04	-3.23E-04
3.46E+02	-7.59E-04	4.52E-04	-3.96E-04
3.46E+02	-1.02E-03	4.14E-04	-4.06E-04
3.46E+02	-1.30E-03	3.52E-04	-3.22E-04
3.46E+02	-1.52E-03	3.03E-04	-1.49E-04
3.46E+02	-1.68E-03	2.75E-04	1.23E-04
3.46E+02	-1.79E-03	2.44E-04	3.89E-04
3.46E+02	-1.82E-03	2.54E-04	6.83E-04
3.46E+02	-1.76E-03	3.32E-04	1.01E-03
3.46E+02	-1.62E-03	4.42E-04	1.25E-03
3.46E+02	-1.46E-03	5.81E-04	1.41E-03
3.46E+02	-1.29E-03	7.30E-04	1.47E-03
3.46E+02	-1.06E-03	8.75E-04	1.44E-03
3.46E+02	-8.17E-04	1.03E-03	1.42E-03
3.46E+02	-6.63E-04	1.14E-03	1.33E-03
3.46E+02	-5.55E-04	1.21E-03	1.18E-03
3.46E+02	-4.68E-04	1.31E-03	1.07E-03
3.46E+02	-4.29E-04	1.43E-03	9.07E-04
3.46E+02	-4.71E-04	1.57E-03	7.19E-04
3.46E+02	-5.95E-04	1.75E-03	5.68E-04
3.46E+02	-7.17E-04	1.95E-03	4.09E-04
3.46E+02	-8.70E-04	2.19E-03	2.66E-04
3.46E+02	-1.09E-03	2.37E-03	6.50E-05
3.46E+02	-1.29E-03	2.49E-03	-1.58E-04
3.46E+02	-1.45E-03	2.58E-03	-2.69E-04
3.46E+02	-1.56E-03	2.62E-03	-3.11E-04
3.46E+02	-1.65E-03	2.60E-03	-3.13E-04

3.46E+02	-1.71E-03	2.53E-03	-2.68E-04
3.46E+02	-1.67E-03	2.41E-03	-2.07E-04
3.46E+02	-1.57E-03	2.26E-03	-1.47E-04
3.46E+02	-1.45E-03	2.06E-03	-1.33E-04
3.46E+02	-1.30E-03	1.83E-03	-1.21E-04
3.46E+02	-1.09E-03	1.62E-03	-4.77E-05
3.46E+02	-8.15E-04	1.39E-03	-7.44E-06
3.46E+02	-5.25E-04	1.14E-03	7.82E-06
3.46E+02	-2.36E-04	9.08E-04	5.97E-05
3.46E+02	7.02E-05	6.76E-04	1.19E-04
3.46E+02	3.56E-04	4.57E-04	1.65E-04
3.46E+02	5.76E-04	1.91E-04	1.29E-04
3.46E+02	7.55E-04	-1.04E-04	8.53E-05
3.46E+02	9.01E-04	-3.52E-04	1.18E-04
3.46E+02	1.03E-03	-5.70E-04	1.43E-04
3.46E+02	1.11E-03	-7.15E-04	1.88E-04
3.46E+02	1.13E-03	-7.70E-04	2.41E-04
3.46E+02	1.17E-03	-7.54E-04	2.31E-04
3.46E+02	1.23E-03	-6.38E-04	1.85E-04
3.46E+02	1.25E-03	-4.77E-04	1.05E-04
3.46E+02	1.27E-03	-2.82E-04	6.96E-05
3.46E+02	1.29E-03	-4.86E-05	1.50E-04
3.46E+02	1.31E-03	1.57E-04	1.88E-04
3.46E+02	1.28E-03	3.43E-04	1.77E-04
3.46E+02	1.19E-03	5.35E-04	2.32E-04
3.46E+02	1.12E-03	7.34E-04	3.20E-04
3.46E+02	1.09E-03	9.55E-04	4.80E-04
3.46E+02	1.03E-03	1.15E-03	6.18E-04
3.46E+02	9.98E-04	1.29E-03	6.57E-04
3.46E+02	9.92E-04	1.42E-03	7.27E-04
3.46E+02	9.74E-04	1.52E-03	7.34E-04
3.46E+02	9.15E-04	1.57E-03	6.42E-04
3.46E+02	7.99E-04	1.60E-03	5.29E-04
3.46E+02	6.53E-04	1.57E-03	3.66E-04
3.46E+02	4.93E-04	1.52E-03	2.32E-04
3.46E+02	2.94E-04	1.43E-03	1.29E-04
3.46E+02	9.57E-05	1.31E-03	7.19E-05
3.46E+02	-7.36E-05	1.20E-03	1.57E-04
3.46E+02	-2.05E-04	1.07E-03	2.57E-04
3.46E+02	-3.13E-04	9.24E-04	2.82E-04
3.46E+02	-4.32E-04	7.97E-04	2.91E-04
3.46E+02	-4.99E-04	6.91E-04	2.77E-04
3.46E+02	-5.26E-04	6.23E-04	2.71E-04
3.46E+02	-5.96E-04	5.31E-04	2.60E-04
3.46E+02	-6.94E-04	3.92E-04	2.12E-04
3.46E+02	-7.87E-04	2.82E-04	2.49E-04
3.46E+02	-8.86E-04	1.97E-04	3.45E-04

3.46E+02	-1.03E-03	1.07E-04	4.24E-04
3.46E+02	-1.23E-03	4.86E-05	5.52E-04
3.46E+02	-1.44E-03	-7.44E-06	6.41E-04
3.46E+02	-1.63E-03	-5.42E-05	6.71E-04
3.46E+02	-1.84E-03	-8.01E-05	6.59E-04
3.46E+02	-2.07E-03	-1.27E-04	5.69E-04
3.46E+02	-2.25E-03	-1.32E-04	5.34E-04
3.46E+02	-2.40E-03	-1.15E-04	4.91E-04
3.46E+02	-2.53E-03	-1.16E-04	3.54E-04
3.46E+02	-2.65E-03	-8.75E-05	2.13E-04
3.46E+02	-2.71E-03	-2.90E-05	3.80E-05
3.46E+02	-2.67E-03	8.41E-05	-1.43E-04
3.46E+02	-2.59E-03	2.00E-04	-3.53E-04
3.46E+02	-2.45E-03	2.69E-04	-6.04E-04
3.46E+02	-2.22E-03	3.59E-04	-7.34E-04
3.46E+02	-1.95E-03	4.39E-04	-7.79E-04
3.46E+02	-1.65E-03	4.54E-04	-7.96E-04
3.46E+02	-1.39E-03	4.31E-04	-7.70E-04
3.46E+02	-1.14E-03	3.87E-04	-7.53E-04
3.46E+02	-8.38E-04	3.53E-04	-6.89E-04
3.46E+02	-5.63E-04	3.29E-04	-5.91E-04
3.46E+02	-2.92E-04	2.93E-04	-4.94E-04
3.46E+02	0.00E+00	2.83E-04	-3.03E-04
3.46E+02	2.92E-04	2.61E-04	-8.47E-05
3.46E+02	5.79E-04	1.88E-04	1.06E-04
3.46E+02	7.88E-04	8.93E-05	3.38E-04
3.46E+02	9.50E-04	-2.42E-05	5.75E-04
3.46E+02	1.10E-03	-1.03E-04	8.22E-04
3.46E+02	1.16E-03	-1.49E-04	1.00E-03
3.46E+02	1.13E-03	-1.96E-04	9.87E-04
3.46E+02	1.04E-03	-1.92E-04	8.83E-04
3.46E+02	9.20E-04	-1.32E-04	7.21E-04
3.46E+02	7.84E-04	-2.92E-05	5.16E-04
3.46E+02	6.11E-04	1.16E-04	4.11E-04
3.46E+02	4.62E-04	2.68E-04	3.50E-04
3.46E+02	4.21E-04	4.43E-04	3.00E-04
3.46E+02	4.13E-04	6.03E-04	2.26E-04
3.46E+02	4.20E-04	6.91E-04	5.04E-05
3.46E+02	4.79E-04	7.67E-04	-1.39E-04
3.46E+02	5.72E-04	8.32E-04	-3.66E-04
3.46E+02	6.89E-04	8.77E-04	-6.44E-04
3.46E+02	7.41E-04	9.38E-04	-8.56E-04
3.46E+02	7.43E-04	1.00E-03	-9.64E-04
3.46E+02	7.66E-04	1.09E-03	-9.43E-04
3.46E+02	6.93E-04	1.15E-03	-8.80E-04
3.46E+02	5.36E-04	1.11E-03	-8.79E-04
3.46E+02	3.76E-04	1.02E-03	-8.39E-04

3.46E+02	2.08E-04	9.00E-04	-7.46E-04
3.46E+02	6.01E-05	7.56E-04	-6.85E-04
3.46E+02	-9.27E-05	6.30E-04	-6.31E-04
3.46E+02	-2.05E-04	5.15E-04	-5.84E-04
3.46E+02	-2.01E-04	4.28E-04	-5.00E-04
3.46E+02	-1.61E-04	3.42E-04	-3.57E-04
3.46E+02	-1.04E-04	2.27E-04	-2.66E-04
3.46E+02	7.82E-06	1.23E-04	-1.67E-04
3.46E+02	1.56E-04	2.98E-05	-3.53E-05
3.46E+02	3.28E-04	-6.05E-05	2.73E-05
3.46E+02	4.49E-04	-1.37E-04	6.29E-05
3.46E+02	5.34E-04	-1.79E-04	8.54E-05
3.46E+02	6.22E-04	-1.68E-04	6.58E-05
3.46E+02	6.68E-04	-1.25E-04	3.24E-06
3.46E+02	7.10E-04	-6.90E-05	-1.17E-04
3.46E+02	7.80E-04	6.10E-06	-1.87E-04
3.46E+02	8.86E-04	1.09E-04	-2.03E-04
3.46E+02	9.96E-04	2.07E-04	-2.61E-04
3.46E+02	1.03E-03	2.74E-04	-3.19E-04
3.46E+02	1.00E-03	3.14E-04	-3.99E-04
3.46E+02	9.61E-04	3.69E-04	-5.27E-04
3.46E+02	8.56E-04	4.53E-04	-6.77E-04
3.46E+02	6.64E-04	5.10E-04	-8.66E-04
3.46E+02	4.49E-04	5.69E-04	-9.78E-04
3.46E+02	2.27E-04	6.42E-04	-9.49E-04
3.46E+02	5.72E-06	6.71E-04	-8.91E-04
3.46E+02	-2.27E-04	6.78E-04	-7.75E-04
3.46E+02	-4.83E-04	6.79E-04	-5.81E-04
3.46E+02	-6.70E-04	6.87E-04	-3.43E-04
3.46E+02	-8.04E-04	7.19E-04	-6.85E-05
3.46E+02	-9.17E-04	7.15E-04	1.34E-04
3.46E+02	-9.55E-04	6.98E-04	3.38E-04
3.46E+02	-9.62E-04	6.72E-04	5.79E-04
3.46E+02	-9.32E-04	5.82E-04	7.42E-04
3.46E+02	-8.89E-04	4.68E-04	8.86E-04
3.46E+02	-8.95E-04	3.13E-04	9.53E-04
3.46E+02	-8.76E-04	1.20E-04	8.83E-04
3.46E+02	-8.91E-04	-6.43E-05	7.52E-04
3.46E+02	-9.87E-04	-2.76E-04	5.39E-04
3.46E+02	-1.08E-03	-4.46E-04	3.20E-04
3.46E+02	-1.17E-03	-5.06E-04	1.87E-04
3.46E+02	-1.22E-03	-5.41E-04	1.45E-05
3.46E+02	-1.26E-03	-5.43E-04	-1.89E-04
3.46E+02	-1.28E-03	-4.84E-04	-3.39E-04
3.46E+02	-1.20E-03	-3.79E-04	-4.43E-04
3.46E+02	-1.04E-03	-2.34E-04	-4.63E-04
3.46E+02	-8.55E-04	-1.15E-04	-5.21E-04

3.46E+02	-6.16E-04	6.87E-06	-5.89E-04
3.46E+02	-3.57E-04	1.74E-04	-5.11E-04
3.46E+02	-7.55E-05	3.51E-04	-4.21E-04
3.46E+02	1.71E-04	5.27E-04	-3.94E-04
3.46E+02	3.27E-04	6.81E-04	-4.11E-04
3.46E+02	4.88E-04	8.46E-04	-4.35E-04
3.46E+02	5.95E-04	1.02E-03	-3.85E-04
3.46E+02	5.92E-04	1.14E-03	-3.59E-04
3.46E+02	5.59E-04	1.23E-03	-3.75E-04
3.46E+02	5.08E-04	1.31E-03	-3.33E-04
3.46E+02	4.42E-04	1.34E-03	-2.84E-04
3.46E+02	3.60E-04	1.29E-03	-2.55E-04
3.46E+02	2.83E-04	1.21E-03	-2.09E-04
3.46E+02	3.00E-04	1.11E-03	-1.58E-04
3.46E+02	3.97E-04	1.03E-03	-1.11E-04
3.46E+02	5.20E-04	8.83E-04	-1.15E-04
3.46E+02	6.93E-04	6.95E-04	-1.41E-04
3.46E+02	9.18E-04	5.24E-04	-1.12E-04
3.46E+02	1.16E-03	3.31E-04	-1.32E-04
3.46E+02	1.35E-03	1.06E-04	-2.36E-04
3.46E+02	1.48E-03	-1.24E-04	-3.24E-04
3.46E+02	1.61E-03	-3.31E-04	-3.75E-04
3.46E+02	1.74E-03	-4.79E-04	-3.73E-04
3.46E+02	1.81E-03	-6.00E-04	-3.85E-04
3.46E+02	1.84E-03	-6.70E-04	-4.25E-04
3.46E+02	1.86E-03	-6.52E-04	-3.75E-04
3.47E+02	1.84E-03	-6.16E-04	-3.23E-04
3.47E+02	1.78E-03	-5.89E-04	-3.28E-04
3.47E+02	1.66E-03	-5.72E-04	-3.20E-04
3.47E+02	1.52E-03	-5.75E-04	-3.08E-04
3.47E+02	1.38E-03	-5.75E-04	-2.70E-04
3.47E+02	1.20E-03	-6.28E-04	-2.34E-04
3.47E+02	1.04E-03	-7.42E-04	-2.05E-04
3.47E+02	9.29E-04	-8.42E-04	-1.12E-04
3.47E+02	8.47E-04	-9.63E-04	-5.80E-05
3.47E+02	7.75E-04	-1.11E-03	-8.60E-05
3.47E+02	6.81E-04	-1.26E-03	-1.05E-04
3.47E+02	6.11E-04	-1.38E-03	-1.28E-04
3.47E+02	5.58E-04	-1.47E-03	-1.67E-04
3.47E+02	4.50E-04	-1.57E-03	-2.44E-04
3.47E+02	3.11E-04	-1.69E-03	-3.26E-04
3.47E+02	1.71E-04	-1.78E-03	-3.08E-04
3.47E+02	5.49E-05	-1.86E-03	-2.50E-04
3.47E+02	-4.44E-05	-1.93E-03	-1.92E-04
3.47E+02	-1.71E-04	-1.94E-03	-8.58E-05
3.47E+02	-2.66E-04	-1.91E-03	-6.29E-06
3.47E+02	-2.96E-04	-1.80E-03	2.38E-05

3.47E+02	-3.37E-04	-1.63E-03	-1.35E-05
3.47E+02	-3.99E-04	-1.46E-03	-1.40E-04
3.47E+02	-4.65E-04	-1.28E-03	-2.28E-04
3.47E+02	-5.71E-04	-1.12E-03	-2.72E-04
3.47E+02	-7.34E-04	-1.00E-03	-2.98E-04
3.47E+02	-9.74E-04	-9.25E-04	-2.79E-04
3.47E+02	-1.23E-03	-8.84E-04	-2.62E-04
3.47E+02	-1.44E-03	-8.40E-04	-1.93E-04
3.47E+02	-1.69E-03	-8.22E-04	-1.17E-04
3.47E+02	-1.91E-03	-8.22E-04	-1.22E-04
3.47E+02	-2.04E-03	-7.67E-04	-1.37E-04
3.47E+02	-2.10E-03	-6.99E-04	-2.23E-04
3.47E+02	-2.06E-03	-6.32E-04	-3.60E-04
3.47E+02	-1.99E-03	-5.49E-04	-4.18E-04
3.47E+02	-1.85E-03	-4.44E-04	-4.31E-04
3.47E+02	-1.62E-03	-2.66E-04	-4.09E-04
3.47E+02	-1.43E-03	-3.41E-05	-3.82E-04
3.47E+02	-1.24E-03	1.98E-04	-3.83E-04
3.47E+02	-1.05E-03	4.56E-04	-3.16E-04
3.47E+02	-8.79E-04	7.19E-04	-2.25E-04
3.47E+02	-7.31E-04	9.47E-04	-1.88E-04
3.47E+02	-6.50E-04	1.15E-03	-1.50E-04
3.47E+02	-5.98E-04	1.30E-03	-1.04E-04
3.47E+02	-4.89E-04	1.40E-03	-2.98E-05
3.47E+02	-3.98E-04	1.45E-03	8.68E-05
3.47E+02	-3.14E-04	1.40E-03	1.92E-04
3.47E+02	-1.84E-04	1.31E-03	3.01E-04
3.47E+02	-2.54E-05	1.17E-03	3.90E-04
3.47E+02	1.82E-04	9.65E-04	4.08E-04
3.47E+02	3.70E-04	7.20E-04	4.07E-04
3.47E+02	5.60E-04	4.45E-04	4.27E-04
3.47E+02	8.01E-04	1.49E-04	4.85E-04
3.47E+02	1.00E-03	-1.89E-04	5.38E-04
3.47E+02	1.18E-03	-5.74E-04	5.13E-04
3.47E+02	1.37E-03	-9.33E-04	4.79E-04
3.47E+02	1.53E-03	-1.26E-03	4.29E-04
3.47E+02	1.68E-03	-1.53E-03	2.86E-04
3.47E+02	1.75E-03	-1.72E-03	1.45E-04
3.47E+02	1.78E-03	-1.83E-03	1.91E-05
3.47E+02	1.80E-03	-1.86E-03	-1.32E-04
3.47E+02	1.77E-03	-1.85E-03	-2.72E-04
3.47E+02	1.71E-03	-1.86E-03	-4.05E-04
3.47E+02	1.64E-03	-1.82E-03	-4.48E-04
3.47E+02	1.57E-03	-1.76E-03	-4.42E-04
3.47E+02	1.53E-03	-1.69E-03	-5.15E-04
3.47E+02	1.46E-03	-1.58E-03	-5.65E-04
3.47E+02	1.38E-03	-1.45E-03	-5.53E-04

3.47E+02	1.34E-03	-1.28E-03	-4.98E-04
3.47E+02	1.27E-03	-1.09E-03	-3.97E-04
3.47E+02	1.20E-03	-9.44E-04	-3.36E-04
3.47E+02	1.16E-03	-8.06E-04	-2.64E-04
3.47E+02	1.14E-03	-6.78E-04	-1.80E-04
3.47E+02	1.15E-03	-5.74E-04	-1.27E-04
3.47E+02	1.14E-03	-4.67E-04	-3.20E-05
3.47E+02	1.15E-03	-3.72E-04	4.02E-05
3.47E+02	1.19E-03	-2.73E-04	9.17E-05
3.47E+02	1.19E-03	-1.55E-04	1.82E-04
3.47E+02	1.12E-03	-7.29E-05	2.27E-04
3.47E+02	1.02E-03	1.53E-05	2.82E-04
3.47E+02	8.91E-04	1.05E-04	3.54E-04
3.47E+02	7.49E-04	1.49E-04	3.52E-04
3.47E+02	5.74E-04	1.95E-04	3.97E-04
3.47E+02	4.04E-04	2.51E-04	5.15E-04
3.47E+02	3.23E-04	3.37E-04	6.61E-04
3.47E+02	2.33E-04	4.16E-04	8.20E-04
3.47E+02	1.12E-04	3.98E-04	8.76E-04
3.47E+02	5.72E-07	3.09E-04	8.82E-04
3.47E+02	-1.16E-04	1.74E-04	8.69E-04
3.47E+02	-2.16E-04	-5.91E-06	7.72E-04
3.47E+02	-3.61E-04	-1.89E-04	6.56E-04
3.47E+02	-5.26E-04	-3.52E-04	5.31E-04
3.47E+02	-6.39E-04	-4.95E-04	4.15E-04
3.47E+02	-7.45E-04	-5.95E-04	3.57E-04
3.47E+02	-8.51E-04	-6.83E-04	2.83E-04
3.47E+02	-9.43E-04	-7.62E-04	2.01E-04
3.47E+02	-1.02E-03	-8.14E-04	1.77E-04
3.47E+02	-1.05E-03	-8.74E-04	1.33E-04
3.47E+02	-1.09E-03	-8.92E-04	1.17E-04
3.47E+02	-1.13E-03	-8.52E-04	1.59E-04
3.47E+02	-1.09E-03	-7.54E-04	1.79E-04
3.47E+02	-1.05E-03	-5.98E-04	2.10E-04
3.47E+02	-1.06E-03	-4.70E-04	1.91E-04
3.47E+02	-1.04E-03	-3.57E-04	1.63E-04
3.47E+02	-9.86E-04	-2.38E-04	1.94E-04
3.47E+02	-9.34E-04	-1.65E-04	1.93E-04
3.47E+02	-9.20E-04	-1.39E-04	2.00E-04
3.47E+02	-9.42E-04	-1.83E-04	1.95E-04
3.47E+02	-9.05E-04	-2.71E-04	1.46E-04
3.47E+02	-8.52E-04	-3.51E-04	1.28E-04
3.47E+02	-8.24E-04	-4.67E-04	8.96E-05
3.47E+02	-7.42E-04	-5.83E-04	5.25E-05
3.47E+02	-5.81E-04	-6.41E-04	5.74E-05
3.47E+02	-3.63E-04	-6.70E-04	-5.72E-06
3.47E+02	-1.28E-04	-6.84E-04	-8.83E-05

3.47E+02	7.95E-05	-7.02E-04	-9.98E-05
3.47E+02	2.86E-04	-6.89E-04	-8.70E-05
3.47E+02	4.74E-04	-6.31E-04	-6.08E-05
3.47E+02	5.74E-04	-6.07E-04	-6.75E-05
3.47E+02	6.36E-04	-5.68E-04	-4.22E-05
3.47E+02	6.97E-04	-4.73E-04	1.07E-04
3.47E+02	7.32E-04	-3.72E-04	2.63E-04
3.47E+02	7.29E-04	-2.54E-04	3.89E-04
3.47E+02	6.84E-04	-1.39E-04	4.98E-04
3.47E+02	6.73E-04	-1.30E-05	5.73E-04
3.47E+02	6.86E-04	1.24E-04	6.19E-04
3.47E+02	6.75E-04	2.14E-04	6.07E-04
3.47E+02	6.94E-04	2.95E-04	5.73E-04
3.47E+02	7.39E-04	3.76E-04	5.40E-04
3.47E+02	8.02E-04	4.15E-04	4.39E-04
3.47E+02	8.47E-04	4.48E-04	3.01E-04
3.47E+02	8.32E-04	4.82E-04	1.95E-04
3.47E+02	8.38E-04	5.10E-04	1.49E-04
3.47E+02	8.37E-04	5.28E-04	1.76E-04
3.47E+02	7.64E-04	4.76E-04	1.67E-04
3.47E+02	6.79E-04	3.74E-04	1.32E-04
3.47E+02	6.04E-04	2.86E-04	1.59E-04
3.47E+02	5.29E-04	1.97E-04	1.41E-04
3.47E+02	4.15E-04	1.07E-04	6.66E-05
3.47E+02	2.78E-04	5.63E-05	1.70E-05
3.47E+02	1.92E-04	3.34E-05	-2.12E-05
3.47E+02	1.19E-04	3.40E-05	-3.32E-05
3.47E+02	2.90E-05	3.41E-05	-5.80E-05
3.47E+02	-5.51E-05	-4.20E-06	-1.17E-04
3.47E+02	-1.35E-04	-3.45E-05	-1.26E-04
3.47E+02	-1.93E-04	-6.01E-05	-1.34E-04
3.47E+02	-2.43E-04	-8.70E-05	-1.61E-04
3.47E+02	-3.15E-04	-7.71E-05	-1.36E-04
3.47E+02	-3.52E-04	-1.41E-05	-5.87E-05
3.47E+02	-3.52E-04	9.86E-05	7.17E-05
3.47E+02	-3.81E-04	1.86E-04	1.84E-04
3.47E+02	-4.09E-04	2.35E-04	2.51E-04
3.47E+02	-4.10E-04	2.82E-04	3.33E-04
3.47E+02	-3.83E-04	3.06E-04	3.57E-04
3.47E+02	-3.39E-04	3.25E-04	3.19E-04
3.47E+02	-2.98E-04	3.52E-04	2.71E-04
3.47E+02	-1.85E-04	4.01E-04	1.74E-04
3.47E+02	-2.67E-06	5.00E-04	8.35E-05
3.47E+02	1.39E-04	5.67E-04	-2.80E-05
3.47E+02	2.71E-04	6.01E-04	-1.70E-04
3.47E+02	4.32E-04	6.72E-04	-1.82E-04
3.47E+02	5.84E-04	7.39E-04	-1.43E-04

3.47E+02	6.92E-04	8.01E-04	-1.45E-04
3.47E+02	7.19E-04	8.75E-04	-1.38E-04
3.47E+02	7.12E-04	9.84E-04	-1.23E-04
3.47E+02	6.91E-04	1.15E-03	-7.69E-05
3.47E+02	6.14E-04	1.29E-03	-5.61E-05
3.47E+02	5.23E-04	1.39E-03	-7.04E-05
3.47E+02	4.41E-04	1.47E-03	-2.33E-05
3.47E+02	3.83E-04	1.50E-03	1.89E-05
3.47E+02	3.50E-04	1.47E-03	1.58E-05
3.47E+02	2.87E-04	1.39E-03	-2.10E-06
3.47E+02	2.50E-04	1.24E-03	-4.52E-05
3.47E+02	2.61E-04	1.05E-03	-7.46E-05
3.47E+02	2.31E-04	8.02E-04	-1.26E-04
3.47E+02	2.00E-04	5.14E-04	-1.84E-04
3.47E+02	2.01E-04	2.60E-04	-1.30E-04
3.47E+02	2.21E-04	1.01E-05	-6.90E-05
3.47E+02	2.48E-04	-2.52E-04	-1.06E-04
3.47E+02	2.13E-04	-5.00E-04	-1.43E-04
3.47E+02	1.76E-04	-7.29E-04	-1.46E-04
3.47E+02	1.57E-04	-9.04E-04	-1.07E-04
3.47E+02	7.27E-05	-1.06E-03	-8.01E-05
3.47E+02	-4.37E-05	-1.21E-03	-1.37E-04
3.47E+02	-1.59E-04	-1.31E-03	-1.50E-04
3.47E+02	-2.70E-04	-1.33E-03	-1.34E-04
3.47E+02	-3.52E-04	-1.32E-03	-1.60E-04
3.47E+02	-4.23E-04	-1.27E-03	-1.29E-04
3.47E+02	-4.53E-04	-1.21E-03	-3.60E-05
3.47E+02	-3.92E-04	-1.12E-03	1.60E-04
3.47E+02	-3.14E-04	-1.05E-03	4.26E-04
3.47E+02	-2.59E-04	-1.06E-03	6.26E-04
3.47E+02	-1.79E-04	-1.06E-03	8.20E-04
3.47E+02	-5.80E-05	-1.08E-03	9.60E-04
3.47E+02	8.37E-05	-1.13E-03	9.71E-04
3.47E+02	2.27E-04	-1.16E-03	9.31E-04
3.47E+02	4.15E-04	-1.12E-03	8.29E-04
3.47E+02	6.71E-04	-9.97E-04	6.95E-04
3.47E+02	9.28E-04	-8.30E-04	5.59E-04
3.47E+02	1.17E-03	-6.79E-04	4.01E-04
3.48E+02	1.41E-03	-5.16E-04	3.16E-04
3.48E+02	1.66E-03	-3.53E-04	2.70E-04
3.48E+02	1.90E-03	-2.06E-04	1.81E-04
3.48E+02	2.08E-03	-8.43E-05	1.20E-04
3.48E+02	2.19E-03	-8.58E-06	9.17E-05
3.48E+02	2.33E-03	5.21E-05	1.13E-04
3.48E+02	2.38E-03	4.22E-05	1.64E-04
3.48E+02	2.34E-03	-6.56E-05	1.74E-04
3.48E+02	2.26E-03	-1.91E-04	2.25E-04

3.48E+02	2.13E-03	-3.40E-04	2.77E-04
3.48E+02	1.98E-03	-5.07E-04	2.49E-04
3.48E+02	1.77E-03	-6.71E-04	2.37E-04
3.48E+02	1.52E-03	-8.13E-04	2.61E-04
3.48E+02	1.32E-03	-8.85E-04	3.36E-04
3.48E+02	1.10E-03	-9.25E-04	4.45E-04
3.48E+02	8.48E-04	-9.80E-04	4.68E-04
3.48E+02	6.52E-04	-1.01E-03	4.55E-04
3.48E+02	4.97E-04	-1.03E-03	4.31E-04
3.48E+02	3.79E-04	-1.03E-03	3.06E-04
3.48E+02	2.69E-04	-9.76E-04	1.17E-04
3.48E+02	1.75E-04	-8.65E-04	-7.84E-05
3.48E+02	1.59E-04	-7.01E-04	-2.24E-04
3.48E+02	1.41E-04	-5.07E-04	-2.76E-04
3.48E+02	6.39E-05	-3.45E-04	-3.17E-04
3.48E+02	-1.01E-05	-1.66E-04	-3.24E-04
3.48E+02	-8.68E-05	4.67E-05	-2.71E-04
3.48E+02	-1.47E-04	2.38E-04	-2.94E-04
3.48E+02	-2.03E-04	4.30E-04	-3.50E-04
3.48E+02	-2.86E-04	6.35E-04	-3.83E-04
3.48E+02	-3.16E-04	8.58E-04	-4.35E-04
3.48E+02	-3.41E-04	1.09E-03	-4.59E-04
3.48E+02	-4.11E-04	1.26E-03	-5.18E-04
3.48E+02	-4.78E-04	1.37E-03	-5.86E-04
3.48E+02	-5.52E-04	1.44E-03	-5.92E-04
3.48E+02	-6.30E-04	1.44E-03	-6.08E-04
3.48E+02	-7.49E-04	1.39E-03	-5.89E-04
3.48E+02	-9.01E-04	1.33E-03	-5.48E-04
3.48E+02	-9.99E-04	1.24E-03	-5.29E-04
3.48E+02	-1.08E-03	1.16E-03	-4.75E-04
3.48E+02	-1.18E-03	1.03E-03	-4.35E-04
3.48E+02	-1.26E-03	8.84E-04	-3.57E-04
3.48E+02	-1.29E-03	7.32E-04	-1.94E-04
3.48E+02	-1.29E-03	5.35E-04	-1.19E-04
3.48E+02	-1.29E-03	3.27E-04	-1.17E-04
3.48E+02	-1.31E-03	1.44E-04	-1.10E-04
3.48E+02	-1.26E-03	1.75E-05	-1.28E-04
3.48E+02	-1.15E-03	-2.44E-05	-1.37E-04
3.48E+02	-1.06E-03	-3.89E-05	-2.09E-04
3.48E+02	-9.38E-04	-3.01E-05	-3.09E-04
3.48E+02	-7.69E-04	2.06E-05	-3.14E-04
3.48E+02	-5.93E-04	6.14E-05	-3.31E-04
3.48E+02	-4.39E-04	9.90E-05	-3.53E-04
3.48E+02	-3.66E-04	1.17E-04	-3.85E-04
3.48E+02	-3.07E-04	1.16E-04	-4.70E-04
3.48E+02	-2.50E-04	1.60E-04	-5.00E-04
3.48E+02	-2.73E-04	2.08E-04	-5.16E-04

3.48E+02	-2.94E-04	2.72E-04	-4.87E-04
3.48E+02	-2.79E-04	3.89E-04	-3.15E-04
3.48E+02	-2.47E-04	4.92E-04	-1.29E-04
3.48E+02	-1.97E-04	5.76E-04	6.18E-05
3.48E+02	-1.74E-04	6.31E-04	2.79E-04
3.48E+02	-9.98E-05	6.61E-04	4.55E-04
3.48E+02	1.28E-05	6.85E-04	5.92E-04
3.48E+02	8.01E-05	6.48E-04	6.10E-04
3.48E+02	1.64E-04	5.71E-04	5.44E-04
3.48E+02	2.52E-04	5.13E-04	5.09E-04
3.48E+02	3.25E-04	4.33E-04	4.08E-04
3.48E+02	3.77E-04	3.15E-04	2.31E-04
3.48E+02	3.49E-04	1.64E-04	2.38E-05
3.48E+02	3.26E-04	-2.38E-05	-2.44E-04
3.48E+02	3.32E-04	-1.94E-04	-4.86E-04
3.48E+02	2.93E-04	-3.57E-04	-6.61E-04
3.48E+02	2.81E-04	-4.99E-04	-7.39E-04
3.48E+02	2.79E-04	-5.78E-04	-6.70E-04
3.48E+02	2.69E-04	-6.61E-04	-5.82E-04
3.48E+02	2.50E-04	-7.53E-04	-5.22E-04
3.48E+02	1.73E-04	-8.38E-04	-4.38E-04
3.48E+02	1.27E-04	-9.03E-04	-3.71E-04
3.48E+02	9.69E-05	-9.17E-04	-3.31E-04
3.48E+02	2.56E-05	-9.29E-04	-3.65E-04
3.48E+02	-4.77E-06	-9.03E-04	-4.37E-04
3.48E+02	-1.32E-05	-7.96E-04	-4.14E-04
3.48E+02	4.20E-06	-6.45E-04	-3.80E-04
3.48E+02	2.94E-05	-4.62E-04	-3.71E-04
3.48E+02	1.07E-05	-2.74E-04	-3.53E-04
3.48E+02	3.03E-05	-8.79E-05	-4.03E-04
3.48E+02	9.25E-05	1.03E-04	-4.80E-04
3.48E+02	1.39E-04	2.53E-04	-5.84E-04
3.48E+02	1.84E-04	3.57E-04	-7.17E-04
3.48E+02	2.20E-04	4.47E-04	-7.74E-04
3.48E+02	2.48E-04	4.99E-04	-8.36E-04
3.48E+02	2.50E-04	5.10E-04	-9.21E-04
3.48E+02	1.69E-04	5.26E-04	-9.51E-04
3.48E+02	6.96E-05	5.67E-04	-9.81E-04
3.48E+02	-5.91E-06	6.39E-04	-9.79E-04
3.48E+02	-1.28E-04	7.10E-04	-9.68E-04
3.48E+02	-2.65E-04	7.52E-04	-9.90E-04
3.48E+02	-3.56E-04	7.86E-04	-9.29E-04
3.48E+02	-4.12E-04	8.02E-04	-8.22E-04
3.48E+02	-4.50E-04	7.91E-04	-7.07E-04
3.48E+02	-5.01E-04	7.45E-04	-5.67E-04
3.48E+02	-5.25E-04	6.56E-04	-4.91E-04
3.48E+02	-4.88E-04	5.57E-04	-4.24E-04

3.48E+02	-4.82E-04	4.42E-04	-3.69E-04
3.48E+02	-4.94E-04	3.02E-04	-3.78E-04
3.48E+02	-4.82E-04	1.77E-04	-3.37E-04
3.48E+02	-4.63E-04	5.44E-05	-2.94E-04
3.48E+02	-4.37E-04	-7.17E-05	-3.13E-04
3.48E+02	-4.31E-04	-1.66E-04	-3.10E-04
3.48E+02	-3.97E-04	-2.23E-04	-2.95E-04
3.48E+02	-2.99E-04	-2.30E-04	-2.41E-04
3.48E+02	-2.16E-04	-2.21E-04	-2.00E-04
3.48E+02	-1.38E-04	-2.35E-04	-2.56E-04
3.48E+02	-3.47E-05	-2.19E-04	-2.61E-04
3.48E+02	5.19E-05	-1.99E-04	-2.49E-04
3.48E+02	1.12E-04	-2.00E-04	-2.61E-04
3.48E+02	1.23E-04	-1.67E-04	-1.71E-04
3.48E+02	1.05E-04	-1.19E-04	-5.55E-05
3.48E+02	1.16E-04	-5.17E-05	3.80E-05
3.48E+02	9.16E-05	1.09E-05	7.65E-05
3.48E+02	3.74E-05	1.22E-05	4.06E-05
3.48E+02	2.96E-05	7.82E-06	8.49E-05
3.48E+02	4.90E-05	-2.00E-05	1.78E-04
3.48E+02	6.41E-05	-1.16E-04	2.23E-04
3.48E+02	3.68E-05	-2.54E-04	3.15E-04
3.48E+02	-1.93E-05	-4.30E-04	4.36E-04
3.48E+02	-5.46E-05	-6.07E-04	5.33E-04
3.48E+02	-1.11E-04	-8.00E-04	5.67E-04
3.48E+02	-1.72E-04	-1.01E-03	5.00E-04
3.48E+02	-1.88E-04	-1.17E-03	4.51E-04
3.48E+02	-1.60E-04	-1.28E-03	3.89E-04
3.48E+02	-7.31E-05	-1.38E-03	2.48E-04
3.48E+02	7.06E-06	-1.47E-03	1.30E-04
3.48E+02	9.48E-05	-1.56E-03	4.22E-05
3.48E+02	2.52E-04	-1.65E-03	-4.96E-06
3.48E+02	3.74E-04	-1.76E-03	-3.57E-05
3.48E+02	4.29E-04	-1.91E-03	-8.14E-05
3.48E+02	4.50E-04	-2.02E-03	-4.65E-05
3.48E+02	4.40E-04	-2.09E-03	3.91E-05
3.48E+02	4.11E-04	-2.13E-03	1.02E-04
3.48E+02	3.20E-04	-2.10E-03	2.01E-04
3.48E+02	1.96E-04	-1.96E-03	3.20E-04
3.48E+02	1.05E-04	-1.72E-03	4.26E-04
3.48E+02	-8.20E-06	-1.42E-03	4.94E-04
3.48E+02	-1.34E-04	-1.12E-03	4.75E-04
3.48E+02	-2.11E-04	-8.33E-04	4.74E-04
3.48E+02	-2.39E-04	-5.43E-04	5.50E-04
3.48E+02	-2.33E-04	-2.86E-04	6.39E-04
3.48E+02	-2.47E-04	-3.60E-05	7.49E-04
3.48E+02	-2.81E-04	1.91E-04	8.05E-04

3.48E+02	-2.82E-04	3.94E-04	7.47E-04
3.48E+02	-2.87E-04	5.93E-04	6.56E-04
3.48E+02	-3.40E-04	7.36E-04	5.28E-04
3.48E+02	-3.94E-04	8.61E-04	4.23E-04
3.48E+02	-4.35E-04	9.89E-04	3.51E-04
3.48E+02	-5.03E-04	1.05E-03	1.59E-04
3.48E+02	-6.21E-04	1.06E-03	-6.62E-05
3.48E+02	-7.71E-04	1.04E-03	-2.29E-04
3.48E+02	-9.07E-04	1.00E-03	-3.26E-04
3.48E+02	-1.07E-03	9.81E-04	-3.53E-04
3.48E+02	-1.27E-03	9.23E-04	-4.12E-04
3.48E+02	-1.45E-03	8.76E-04	-4.11E-04
3.48E+02	-1.57E-03	8.50E-04	-2.75E-04
3.48E+02	-1.65E-03	8.05E-04	-1.26E-04
3.48E+02	-1.73E-03	7.61E-04	3.74E-05
3.48E+02	-1.78E-03	7.04E-04	1.66E-04
3.48E+02	-1.74E-03	6.64E-04	2.44E-04
3.48E+02	-1.66E-03	6.48E-04	3.02E-04
3.48E+02	-1.56E-03	6.17E-04	2.57E-04
3.48E+02	-1.38E-03	6.12E-04	2.26E-04
3.48E+02	-1.17E-03	5.96E-04	2.60E-04
3.48E+02	-9.61E-04	5.29E-04	2.54E-04
3.48E+02	-7.69E-04	4.42E-04	2.46E-04
3.48E+02	-6.12E-04	3.36E-04	2.49E-04
3.48E+02	-4.36E-04	2.56E-04	2.59E-04
3.48E+02	-2.70E-04	2.13E-04	2.75E-04
3.48E+02	-1.39E-04	1.61E-04	2.48E-04
3.48E+02	1.09E-05	1.42E-04	2.51E-04
3.48E+02	1.64E-04	1.78E-04	3.15E-04
3.48E+02	3.09E-04	2.18E-04	3.57E-04
3.48E+02	4.10E-04	2.61E-04	3.80E-04
3.48E+02	4.43E-04	3.05E-04	3.87E-04
3.48E+02	4.83E-04	3.45E-04	3.65E-04
3.48E+02	4.92E-04	3.86E-04	3.42E-04
3.48E+02	4.26E-04	3.71E-04	2.72E-04
3.48E+02	3.50E-04	3.42E-04	2.09E-04
3.48E+02	2.74E-04	3.33E-04	2.27E-04
3.48E+02	2.18E-04	2.92E-04	2.40E-04
3.48E+02	1.68E-04	2.35E-04	2.88E-04
3.48E+02	9.31E-05	1.53E-04	4.08E-04
3.48E+02	7.17E-05	3.32E-05	5.19E-04
3.48E+02	7.25E-05	-1.15E-04	5.90E-04
3.48E+02	4.60E-05	-3.37E-04	5.32E-04
3.48E+02	6.35E-05	-5.97E-04	4.03E-04
3.48E+02	1.18E-04	-8.24E-04	3.30E-04
3.48E+02	1.81E-04	-1.03E-03	2.42E-04
3.48E+02	2.26E-04	-1.20E-03	1.35E-04

3.48E+02	2.16E-04	-1.31E-03	3.07E-05
3.48E+02	2.25E-04	-1.35E-03	-9.50E-05
3.48E+02	2.33E-04	-1.33E-03	-1.67E-04
3.49E+02	1.55E-04	-1.30E-03	-2.04E-04
3.49E+02	1.96E-05	-1.24E-03	-1.87E-04
3.49E+02	-1.55E-04	-1.11E-03	-7.29E-05
3.49E+02	-3.31E-04	-9.71E-04	1.20E-05
3.49E+02	-4.92E-04	-8.12E-04	1.06E-04
3.49E+02	-6.38E-04	-6.17E-04	2.76E-04
3.49E+02	-6.77E-04	-4.15E-04	4.52E-04
3.49E+02	-6.25E-04	-1.92E-04	6.20E-04
3.49E+02	-5.43E-04	-2.94E-05	6.83E-04
3.49E+02	-4.12E-04	5.65E-05	6.65E-04
3.49E+02	-2.37E-04	1.04E-04	6.90E-04
3.49E+02	-4.75E-05	6.79E-05	6.98E-04
3.49E+02	8.60E-05	-2.23E-05	6.91E-04
3.49E+02	1.14E-04	-1.30E-04	6.77E-04
3.49E+02	1.21E-04	-2.39E-04	6.05E-04
3.49E+02	1.15E-04	-2.95E-04	5.42E-04
3.49E+02	5.07E-05	-3.15E-04	4.27E-04
3.49E+02	-3.43E-06	-3.04E-04	2.78E-04
3.49E+02	-3.38E-05	-2.53E-04	2.18E-04
3.49E+02	-4.52E-05	-2.12E-04	1.14E-04
3.49E+02	-5.42E-05	-1.98E-04	-6.43E-05
3.49E+02	-8.83E-05	-1.99E-04	-2.16E-04
3.49E+02	-5.72E-05	-2.02E-04	-3.22E-04
3.49E+02	5.15E-06	-2.04E-04	-3.47E-04
3.49E+02	3.15E-05	-2.44E-04	-3.48E-04
3.49E+02	7.99E-05	-2.83E-04	-3.37E-04
3.49E+02	1.26E-04	-2.82E-04	-2.60E-04
3.49E+02	1.57E-04	-2.72E-04	-1.93E-04
3.49E+02	1.63E-04	-2.63E-04	-1.77E-04
3.49E+02	1.05E-04	-2.82E-04	-1.87E-04
3.49E+02	7.19E-05	-3.11E-04	-2.20E-04
3.49E+02	7.25E-05	-3.09E-04	-2.02E-04
3.49E+02	4.20E-05	-3.31E-04	-1.58E-04
3.49E+02	2.71E-05	-3.75E-04	-1.50E-04
3.49E+02	4.08E-05	-3.82E-04	-7.86E-05
3.49E+02	8.64E-05	-3.93E-04	-7.63E-07
3.49E+02	1.49E-04	-4.43E-04	-2.77E-05
3.49E+02	1.67E-04	-5.05E-04	-9.27E-05
3.49E+02	1.80E-04	-5.67E-04	-1.71E-04
3.49E+02	1.89E-04	-6.09E-04	-2.35E-04
3.49E+02	1.46E-04	-6.38E-04	-2.84E-04
3.49E+02	6.89E-05	-6.89E-04	-3.30E-04
3.49E+02	-1.83E-05	-7.15E-04	-2.73E-04
3.49E+02	-8.09E-05	-7.09E-04	-1.75E-04

3.49E+02	-1.48E-04	-7.19E-04	-1.15E-04
3.49E+02	-2.47E-04	-7.28E-04	-5.13E-05
3.49E+02	-3.03E-04	-7.19E-04	-6.10E-06
3.49E+02	-2.95E-04	-6.68E-04	3.26E-05
3.49E+02	-2.86E-04	-6.02E-04	3.74E-05
3.49E+02	-2.60E-04	-5.52E-04	-2.29E-06
3.49E+02	-1.91E-04	-4.74E-04	7.63E-06
3.49E+02	-9.50E-05	-4.18E-04	2.90E-05
3.49E+02	2.04E-05	-4.10E-04	-1.20E-05
3.49E+02	9.00E-05	-4.09E-04	-7.78E-05
3.49E+02	1.22E-04	-4.00E-04	-1.32E-04
3.49E+02	1.62E-04	-3.35E-04	-1.67E-04
3.49E+02	1.38E-04	-2.69E-04	-2.30E-04
3.49E+02	5.72E-05	-2.33E-04	-3.40E-04
3.49E+02	-3.22E-05	-1.72E-04	-3.77E-04
3.49E+02	-1.33E-04	-1.05E-04	-3.20E-04
3.49E+02	-2.56E-04	-4.10E-05	-2.44E-04
3.49E+02	-4.14E-04	9.73E-06	-1.65E-04
3.49E+02	-5.40E-04	3.51E-05	-1.16E-04
3.49E+02	-5.99E-04	6.12E-05	-2.92E-05
3.49E+02	-6.49E-04	4.69E-05	9.16E-05
3.49E+02	-7.07E-04	-2.31E-05	1.68E-04
3.49E+02	-7.54E-04	-8.81E-05	3.01E-04
3.49E+02	-7.79E-04	-1.58E-04	4.44E-04
3.49E+02	-7.99E-04	-2.67E-04	5.04E-04
3.49E+02	-8.49E-04	-4.21E-04	5.61E-04
3.49E+02	-9.00E-04	-5.99E-04	5.97E-04
3.49E+02	-9.08E-04	-7.58E-04	5.79E-04
3.49E+02	-9.17E-04	-9.14E-04	4.91E-04
3.49E+02	-9.08E-04	-1.08E-03	3.29E-04
3.49E+02	-8.23E-04	-1.19E-03	2.38E-04
3.49E+02	-6.84E-04	-1.26E-03	2.26E-04
3.49E+02	-5.25E-04	-1.32E-03	1.88E-04
3.49E+02	-4.09E-04	-1.36E-03	1.43E-04
3.49E+02	-3.23E-04	-1.39E-03	1.03E-04
3.49E+02	-2.25E-04	-1.36E-03	9.44E-05
3.49E+02	-1.74E-04	-1.28E-03	7.57E-05
3.49E+02	-1.59E-04	-1.17E-03	-5.36E-05
3.49E+02	-1.30E-04	-9.69E-04	-1.96E-04
3.49E+02	-9.77E-05	-6.86E-04	-2.90E-04
3.49E+02	-7.10E-05	-3.66E-04	-3.78E-04
3.49E+02	-8.24E-05	-3.01E-05	-4.06E-04
3.49E+02	-1.05E-04	3.07E-04	-3.68E-04
3.49E+02	-8.35E-05	6.42E-04	-2.84E-04
3.49E+02	-8.68E-05	9.39E-04	-1.85E-04
3.49E+02	-1.01E-04	1.16E-03	-1.39E-04
3.49E+02	-8.72E-05	1.34E-03	-7.50E-05

3.49E+02	-6.98E-05	1.52E-03	3.17E-05
3.49E+02	-2.96E-05	1.66E-03	8.58E-05
3.49E+02	-3.66E-05	1.74E-03	9.48E-05
3.49E+02	-7.10E-05	1.79E-03	6.71E-05
3.49E+02	-5.57E-05	1.81E-03	-4.20E-06
3.49E+02	-7.29E-05	1.78E-03	-8.26E-05
3.49E+02	-1.35E-04	1.71E-03	-1.79E-04
3.49E+02	-2.08E-04	1.62E-03	-2.32E-04
3.49E+02	-2.81E-04	1.56E-03	-2.27E-04
3.49E+02	-3.38E-04	1.46E-03	-2.80E-04
3.49E+02	-4.38E-04	1.35E-03	-3.32E-04
3.49E+02	-5.65E-04	1.24E-03	-3.29E-04
3.49E+02	-6.42E-04	1.16E-03	-2.94E-04
3.49E+02	-7.06E-04	1.08E-03	-2.44E-04
3.49E+02	-7.72E-04	9.77E-04	-2.66E-04
3.49E+02	-7.88E-04	8.85E-04	-2.91E-04
3.49E+02	-7.68E-04	8.18E-04	-2.60E-04
3.49E+02	-7.36E-04	7.69E-04	-2.54E-04
3.49E+02	-7.49E-04	7.36E-04	-2.39E-04
3.49E+02	-8.03E-04	7.37E-04	-2.13E-04
3.49E+02	-8.18E-04	7.81E-04	-1.80E-04
3.49E+02	-8.46E-04	8.64E-04	-7.50E-05
3.49E+02	-9.33E-04	9.27E-04	2.96E-05
3.49E+02	-1.01E-03	9.69E-04	1.28E-04
3.49E+02	-1.06E-03	1.03E-03	2.40E-04
3.49E+02	-1.08E-03	1.04E-03	2.49E-04
3.49E+02	-1.10E-03	9.88E-04	1.61E-04
3.49E+02	-1.13E-03	9.16E-04	1.13E-05
3.49E+02	-1.08E-03	8.53E-04	-1.68E-04
3.49E+02	-1.01E-03	8.09E-04	-3.18E-04
3.49E+02	-9.26E-04	7.23E-04	-4.68E-04
3.49E+02	-7.85E-04	6.17E-04	-5.32E-04
3.49E+02	-5.90E-04	5.27E-04	-4.28E-04
3.49E+02	-3.48E-04	4.35E-04	-2.54E-04
3.49E+02	-1.20E-04	3.46E-04	-5.36E-05
3.49E+02	7.93E-05	2.61E-04	1.60E-04
3.49E+02	3.35E-04	2.12E-04	3.42E-04
3.49E+02	5.85E-04	1.96E-04	4.71E-04
3.49E+02	7.85E-04	1.57E-04	4.85E-04
3.49E+02	9.90E-04	1.40E-04	4.71E-04
3.49E+02	1.19E-03	1.68E-04	5.49E-04
3.49E+02	1.38E-03	1.85E-04	5.82E-04
3.49E+02	1.51E-03	1.82E-04	5.43E-04
3.49E+02	1.54E-03	1.51E-04	5.16E-04
3.49E+02	1.56E-03	8.83E-05	4.44E-04
3.49E+02	1.52E-03	4.20E-06	3.10E-04
3.49E+02	1.39E-03	-1.10E-04	1.35E-04

3.49E+02	1.25E-03	-2.17E-04	-2.67E-06
3.49E+02	1.09E-03	-2.77E-04	-2.08E-05
3.49E+02	9.26E-04	-3.01E-04	-2.29E-05
3.49E+02	7.55E-04	-2.92E-04	-4.62E-05
3.49E+02	5.40E-04	-2.64E-04	-4.98E-05
3.49E+02	3.61E-04	-2.13E-04	-6.77E-05
3.49E+02	1.91E-04	-1.32E-04	-8.03E-05
3.49E+02	4.39E-06	-6.43E-05	-1.18E-04
3.49E+02	-1.19E-04	3.07E-05	-1.66E-04
3.49E+02	-1.88E-04	1.79E-04	-1.16E-04
3.49E+02	-1.96E-04	3.23E-04	-2.94E-05
3.49E+02	-1.75E-04	4.51E-04	5.09E-05
3.49E+02	-1.73E-04	5.75E-04	1.54E-04
3.49E+02	-1.20E-04	7.02E-04	2.18E-04
3.49E+02	-3.13E-05	8.23E-04	2.23E-04
3.49E+02	4.98E-05	8.95E-04	1.29E-04
3.49E+02	1.49E-04	9.00E-04	-6.22E-05
3.49E+02	2.69E-04	8.94E-04	-2.01E-04
3.49E+02	3.97E-04	8.90E-04	-2.77E-04
3.49E+02	4.83E-04	8.53E-04	-3.11E-04
3.49E+02	5.10E-04	8.18E-04	-2.45E-04
3.49E+02	5.45E-04	7.66E-04	-1.46E-04
3.49E+02	6.00E-04	6.91E-04	-3.28E-05
3.49E+02	6.27E-04	6.00E-04	9.54E-05
3.49E+02	6.50E-04	4.81E-04	2.31E-04
3.49E+02	7.08E-04	4.06E-04	4.30E-04
3.49E+02	7.87E-04	3.71E-04	5.93E-04
3.49E+02	8.69E-04	3.34E-04	6.86E-04
3.49E+02	9.28E-04	3.24E-04	7.76E-04
3.49E+02	9.82E-04	3.51E-04	8.04E-04
3.49E+02	1.03E-03	4.10E-04	7.59E-04
3.49E+02	1.00E-03	4.51E-04	5.87E-04
3.49E+02	9.28E-04	4.61E-04	3.30E-04
3.49E+02	8.45E-04	4.91E-04	1.95E-04
3.49E+02	7.35E-04	5.08E-04	1.67E-04
3.49E+02	5.82E-04	5.16E-04	1.66E-04
3.49E+02	3.48E-04	5.12E-04	1.49E-04
3.49E+02	1.26E-04	4.73E-04	6.26E-05
3.49E+02	-2.27E-05	4.51E-04	-6.07E-05
3.49E+02	-1.78E-04	3.95E-04	-2.61E-04
3.49E+02	-2.92E-04	3.14E-04	-4.89E-04
3.49E+02	-3.30E-04	2.89E-04	-5.77E-04
3.49E+02	-3.22E-04	2.73E-04	-5.78E-04
3.49E+02	-2.96E-04	2.45E-04	-5.32E-04
3.49E+02	-3.10E-04	2.02E-04	-3.72E-04
3.49E+02	-3.19E-04	1.31E-04	-1.51E-04
3.49E+02	-3.10E-04	4.94E-05	9.16E-05

3.49E+02	-3.39E-04	-6.68E-05	2.78E-04
3.49E+02	-3.39E-04	-1.81E-04	3.54E-04
3.49E+02	-2.74E-04	-2.38E-04	4.55E-04
3.49E+02	-1.53E-04	-2.77E-04	5.56E-04
3.49E+02	1.28E-05	-3.48E-04	6.04E-04
3.49E+02	1.49E-04	-4.55E-04	6.73E-04
3.49E+02	2.98E-04	-5.89E-04	6.71E-04
3.49E+02	4.98E-04	-7.12E-04	5.85E-04
3.49E+02	6.59E-04	-8.03E-04	4.20E-04
3.49E+02	8.27E-04	-8.60E-04	1.54E-04
3.49E+02	1.03E-03	-8.49E-04	-7.27E-05
3.49E+02	1.22E-03	-7.91E-04	-2.61E-04
3.49E+02	1.40E-03	-7.20E-04	-4.14E-04
3.49E+02	1.49E-03	-6.53E-04	-4.59E-04
3.49E+02	1.50E-03	-5.95E-04	-4.38E-04
3.50E+02	1.51E-03	-5.25E-04	-3.55E-04
3.50E+02	1.42E-03	-4.88E-04	-3.05E-04
3.50E+02	1.25E-03	-4.73E-04	-3.50E-04
3.50E+02	1.07E-03	-3.90E-04	-3.44E-04
3.50E+02	8.88E-04	-2.26E-04	-2.78E-04
3.50E+02	6.71E-04	-6.29E-06	-2.22E-04
3.50E+02	3.95E-04	2.45E-04	-1.09E-04
3.50E+02	1.10E-04	4.86E-04	6.05E-05
3.50E+02	-1.31E-04	6.77E-04	2.59E-04
3.50E+02	-3.88E-04	7.66E-04	4.62E-04
3.50E+02	-6.56E-04	7.46E-04	5.69E-04
3.50E+02	-8.77E-04	6.96E-04	6.48E-04
3.50E+02	-1.05E-03	6.13E-04	7.00E-04
3.50E+02	-1.14E-03	4.95E-04	6.64E-04
3.50E+02	-1.21E-03	3.77E-04	6.50E-04
3.50E+02	-1.23E-03	2.39E-04	6.31E-04
3.50E+02	-1.18E-03	1.09E-04	6.07E-04
3.50E+02	-1.14E-03	-4.04E-05	5.58E-04
3.50E+02	-1.11E-03	-2.23E-04	3.57E-04
3.50E+02	-1.04E-03	-3.56E-04	1.24E-04
3.50E+02	-9.67E-04	-4.51E-04	-1.01E-04
3.50E+02	-9.26E-04	-5.31E-04	-3.39E-04
3.50E+02	-9.68E-04	-5.80E-04	-4.60E-04
3.50E+02	-1.04E-03	-6.10E-04	-4.82E-04
3.50E+02	-1.10E-03	-6.25E-04	-4.47E-04
3.50E+02	-1.19E-03	-6.46E-04	-3.60E-04
3.50E+02	-1.29E-03	-6.86E-04	-2.72E-04
3.50E+02	-1.37E-03	-6.86E-04	-1.16E-04
3.50E+02	-1.36E-03	-6.40E-04	7.95E-05
3.50E+02	-1.28E-03	-5.88E-04	2.04E-04
3.50E+02	-1.17E-03	-5.24E-04	3.37E-04
3.50E+02	-1.05E-03	-4.63E-04	4.70E-04

3.50E+02	-8.85E-04	-4.17E-04	5.64E-04
3.50E+02	-7.35E-04	-4.07E-04	6.12E-04
3.50E+02	-6.25E-04	-4.64E-04	4.95E-04
3.50E+02	-5.21E-04	-5.26E-04	2.82E-04
3.50E+02	-4.41E-04	-5.46E-04	6.35E-05
3.50E+02	-3.93E-04	-5.28E-04	-1.77E-04
3.50E+02	-3.99E-04	-4.28E-04	-3.19E-04
3.50E+02	-4.56E-04	-2.62E-04	-3.74E-04
3.50E+02	-5.06E-04	-6.79E-05	-4.10E-04
3.50E+02	-5.86E-04	1.17E-04	-4.27E-04
3.50E+02	-7.05E-04	2.42E-04	-4.92E-04
3.50E+02	-7.84E-04	3.67E-04	-5.27E-04
3.50E+02	-8.06E-04	5.06E-04	-5.24E-04
3.50E+02	-7.63E-04	6.34E-04	-6.03E-04
3.50E+02	-6.73E-04	7.81E-04	-6.58E-04
3.50E+02	-5.47E-04	9.38E-04	-6.28E-04
3.50E+02	-3.50E-04	1.11E-03	-5.27E-04
3.50E+02	-1.57E-04	1.24E-03	-3.82E-04
3.50E+02	-3.05E-06	1.27E-03	-2.60E-04
3.50E+02	1.45E-04	1.25E-03	-8.49E-05
3.50E+02	2.51E-04	1.20E-03	1.19E-04
3.50E+02	3.22E-04	1.13E-03	2.41E-04
3.50E+02	3.40E-04	1.06E-03	3.15E-04
3.50E+02	2.98E-04	9.69E-04	3.15E-04
3.50E+02	2.66E-04	8.66E-04	2.34E-04
3.50E+02	2.28E-04	7.53E-04	1.48E-04
3.50E+02	1.75E-04	5.92E-04	4.10E-05
3.50E+02	1.57E-04	4.22E-04	-5.13E-05
3.50E+02	1.71E-04	2.70E-04	-9.23E-05
3.50E+02	2.00E-04	7.78E-05	-1.63E-04
3.50E+02	1.83E-04	-1.23E-04	-2.46E-04
3.50E+02	9.75E-05	-2.97E-04	-3.27E-04
3.50E+02	1.95E-05	-4.29E-04	-4.41E-04
3.50E+02	-9.31E-05	-4.97E-04	-5.56E-04
3.50E+02	-2.62E-04	-5.30E-04	-7.18E-04
3.50E+02	-4.16E-04	-5.05E-04	-8.66E-04
3.50E+02	-5.39E-04	-4.03E-04	-9.08E-04
3.50E+02	-6.16E-04	-2.81E-04	-9.22E-04
3.50E+02	-6.71E-04	-1.55E-04	-9.04E-04
3.50E+02	-7.07E-04	-3.72E-05	-8.56E-04
3.50E+02	-6.53E-04	6.31E-05	-7.86E-04
3.50E+02	-5.41E-04	1.74E-04	-6.38E-04
3.50E+02	-4.54E-04	2.34E-04	-5.33E-04
3.50E+02	-3.62E-04	2.61E-04	-4.49E-04
3.50E+02	-2.35E-04	3.08E-04	-2.82E-04
3.50E+02	-9.56E-05	3.05E-04	-1.63E-04
3.50E+02	3.53E-05	2.66E-04	-5.78E-05

3.50E+02	1.30E-04	2.04E-04	8.45E-05
3.50E+02	2.18E-04	1.14E-04	1.97E-04
3.50E+02	2.81E-04	1.81E-05	2.75E-04
3.50E+02	2.80E-04	-1.18E-04	2.43E-04
3.50E+02	2.86E-04	-2.54E-04	1.67E-04
3.50E+02	3.26E-04	-3.55E-04	1.37E-04
3.50E+02	3.86E-04	-4.63E-04	7.74E-05
3.50E+02	4.35E-04	-5.62E-04	1.14E-05
3.50E+02	4.50E-04	-6.57E-04	-1.85E-05
3.50E+02	4.98E-04	-7.51E-04	-3.78E-05
3.50E+02	5.62E-04	-8.12E-04	-3.49E-05
3.50E+02	5.92E-04	-8.59E-04	-7.00E-05
3.50E+02	6.30E-04	-8.71E-04	-1.24E-04
3.50E+02	6.81E-04	-8.11E-04	-9.50E-05
3.50E+02	7.31E-04	-7.09E-04	-7.59E-05
3.50E+02	7.53E-04	-5.69E-04	-1.03E-04
3.50E+02	7.11E-04	-3.91E-04	-1.11E-04
3.50E+02	6.70E-04	-1.81E-04	-1.00E-04
3.50E+02	6.28E-04	6.68E-05	-3.40E-05
3.50E+02	5.27E-04	2.85E-04	-4.20E-06
3.50E+02	4.19E-04	4.56E-04	-4.23E-05
3.50E+02	3.24E-04	6.29E-04	-3.43E-05
3.50E+02	2.15E-04	7.60E-04	-4.56E-05
3.50E+02	6.52E-05	8.41E-04	-7.46E-05
3.50E+02	-1.49E-04	8.92E-04	-7.90E-05
3.50E+02	-3.52E-04	9.17E-04	-1.33E-04
3.50E+02	-5.46E-04	9.53E-04	-1.87E-04
3.50E+02	-7.84E-04	9.69E-04	-2.58E-04
3.50E+02	-9.97E-04	9.74E-04	-3.57E-04
3.50E+02	-1.16E-03	9.91E-04	-4.17E-04
3.50E+02	-1.23E-03	9.84E-04	-5.33E-04
3.50E+02	-1.19E-03	9.61E-04	-6.65E-04
3.50E+02	-1.10E-03	9.18E-04	-7.16E-04
3.50E+02	-9.12E-04	8.66E-04	-7.19E-04
3.50E+02	-6.20E-04	8.40E-04	-6.50E-04
3.50E+02	-3.15E-04	7.91E-04	-5.89E-04
3.50E+02	2.00E-05	7.08E-04	-5.50E-04
3.50E+02	3.55E-04	6.57E-04	-4.10E-04
3.50E+02	6.50E-04	6.23E-04	-2.85E-04
3.50E+02	8.69E-04	5.83E-04	-2.38E-04
3.50E+02	9.51E-04	5.48E-04	-1.98E-04
3.50E+02	9.45E-04	5.10E-04	-1.62E-04
3.50E+02	8.86E-04	4.81E-04	-7.69E-05
3.50E+02	7.38E-04	4.34E-04	-6.48E-06
3.50E+02	5.47E-04	3.43E-04	-2.37E-05
3.50E+02	3.72E-04	2.56E-04	-1.51E-05
3.50E+02	2.20E-04	1.51E-04	-2.21E-05

3.50E+02	9.86E-05	2.90E-05	-6.24E-05
3.50E+02	-1.03E-05	-3.74E-05	-8.58E-06
3.50E+02	-8.07E-05	-7.46E-05	7.17E-05
3.50E+02	-8.64E-05	-7.72E-05	1.64E-04
3.50E+02	-8.03E-05	-5.91E-05	2.34E-04
3.50E+02	-2.92E-05	-6.98E-05	2.28E-04
3.50E+02	1.02E-04	-5.46E-05	2.83E-04
3.50E+02	2.69E-04	-3.66E-05	3.16E-04
3.50E+02	4.51E-04	-3.45E-05	2.53E-04
3.50E+02	5.94E-04	-2.44E-05	1.68E-04
3.50E+02	7.25E-04	-1.75E-05	4.12E-05
3.50E+02	8.59E-04	2.17E-05	-6.50E-05
3.50E+02	8.98E-04	7.59E-05	-1.68E-04
3.50E+02	8.69E-04	1.20E-04	-2.99E-04
3.50E+02	8.11E-04	1.91E-04	-3.30E-04
3.50E+02	7.29E-04	2.70E-04	-2.93E-04
3.50E+02	6.32E-04	3.13E-04	-2.36E-04
3.50E+02	4.78E-04	3.24E-04	-1.04E-04
3.50E+02	3.25E-04	3.21E-04	5.99E-05
3.50E+02	2.04E-04	3.23E-04	2.03E-04
3.50E+02	6.83E-05	3.14E-04	2.46E-04
3.50E+02	-1.87E-05	2.83E-04	1.87E-04
3.50E+02	-3.41E-05	2.58E-04	1.41E-04
3.50E+02	7.06E-06	2.37E-04	9.17E-05
3.50E+02	1.12E-04	2.11E-04	3.85E-05
3.50E+02	2.01E-04	1.66E-04	2.04E-05
3.50E+02	3.09E-04	1.24E-04	-2.73E-05
3.50E+02	4.80E-04	1.38E-04	-8.11E-05
3.50E+02	6.21E-04	1.76E-04	-1.49E-04
3.50E+02	7.58E-04	2.19E-04	-2.62E-04
3.50E+02	9.12E-04	3.24E-04	-2.86E-04
3.50E+02	1.05E-03	4.58E-04	-3.07E-04
3.50E+02	1.18E-03	5.56E-04	-4.67E-04
3.50E+02	1.22E-03	6.24E-04	-6.63E-04
3.50E+02	1.19E-03	6.66E-04	-8.33E-04
3.50E+02	1.15E-03	6.89E-04	-9.14E-04
3.50E+02	1.04E-03	6.81E-04	-8.94E-04
3.50E+02	8.72E-04	6.27E-04	-8.52E-04
3.50E+02	7.10E-04	5.99E-04	-7.08E-04
3.50E+02	5.74E-04	6.26E-04	-4.38E-04
3.50E+02	4.56E-04	6.53E-04	-1.50E-04
3.50E+02	3.15E-04	6.90E-04	1.31E-04
3.50E+02	2.15E-04	7.39E-04	3.44E-04
3.50E+02	1.92E-04	7.93E-04	4.91E-04
3.50E+02	1.80E-04	8.46E-04	6.30E-04
3.50E+02	1.77E-04	8.62E-04	6.95E-04
3.50E+02	2.08E-04	8.66E-04	7.50E-04

3.50E+02	2.73E-04	8.54E-04	8.03E-04
3.50E+02	3.64E-04	7.98E-04	7.30E-04
3.50E+02	4.21E-04	7.24E-04	6.24E-04
3.50E+02	4.64E-04	6.55E-04	5.09E-04
3.50E+02	5.66E-04	6.33E-04	3.47E-04
3.50E+02	6.56E-04	6.40E-04	1.70E-04
3.50E+02	6.95E-04	6.28E-04	-6.94E-05
3.50E+02	7.31E-04	6.20E-04	-2.74E-04
3.50E+02	7.64E-04	6.26E-04	-4.18E-04
3.50E+02	7.84E-04	6.37E-04	-5.64E-04
3.50E+02	7.48E-04	6.71E-04	-6.23E-04
3.50E+02	6.87E-04	7.20E-04	-6.30E-04
3.50E+02	6.73E-04	7.83E-04	-5.85E-04
3.50E+02	6.33E-04	8.90E-04	-4.37E-04
3.50E+02	5.42E-04	1.01E-03	-3.19E-04
3.50E+02	4.43E-04	1.14E-03	-2.13E-04
3.50E+02	3.44E-04	1.26E-03	-6.87E-05
3.50E+02	2.49E-04	1.34E-03	3.80E-05
3.50E+02	1.31E-04	1.38E-03	1.59E-04
3.50E+02	1.87E-05	1.38E-03	2.97E-04
3.50E+02	-2.59E-05	1.36E-03	4.45E-04
3.50E+02	-4.41E-05	1.31E-03	6.09E-04
3.50E+02	-5.76E-05	1.16E-03	6.44E-04
3.50E+02	-2.17E-05	9.95E-04	6.12E-04
3.50E+02	6.18E-05	8.47E-04	6.02E-04
3.50E+02	1.71E-04	6.92E-04	5.05E-04
3.50E+02	2.54E-04	5.56E-04	3.63E-04
3.51E+02	3.07E-04	4.19E-04	2.10E-04
3.51E+02	3.93E-04	3.03E-04	4.12E-05
3.51E+02	4.65E-04	1.98E-04	-9.67E-05
3.51E+02	4.84E-04	2.96E-05	-2.44E-04
3.51E+02	5.01E-04	-1.29E-04	-3.48E-04
3.51E+02	5.27E-04	-2.58E-04	-4.08E-04
3.51E+02	5.74E-04	-3.85E-04	-5.25E-04
3.51E+02	6.24E-04	-4.54E-04	-5.94E-04
3.51E+02	6.72E-04	-5.04E-04	-5.85E-04
3.51E+02	7.92E-04	-5.30E-04	-5.41E-04
3.51E+02	9.18E-04	-5.41E-04	-4.26E-04
3.51E+02	1.00E-03	-6.05E-04	-3.14E-04
3.51E+02	1.11E-03	-6.67E-04	-1.78E-04
3.51E+02	1.19E-03	-7.08E-04	8.58E-06
3.51E+02	1.25E-03	-7.34E-04	1.77E-04
3.51E+02	1.24E-03	-7.22E-04	3.60E-04
3.51E+02	1.14E-03	-7.16E-04	5.14E-04
3.51E+02	1.05E-03	-7.08E-04	6.02E-04
3.51E+02	9.63E-04	-6.88E-04	6.86E-04
3.51E+02	8.28E-04	-7.00E-04	7.13E-04

3.51E+02	6.86E-04	-7.11E-04	7.14E-04
3.51E+02	5.53E-04	-7.06E-04	7.36E-04
3.51E+02	4.30E-04	-6.92E-04	6.41E-04
3.51E+02	2.92E-04	-6.39E-04	4.75E-04
3.51E+02	1.34E-04	-5.57E-04	3.44E-04
3.51E+02	2.00E-05	-4.45E-04	2.36E-04
3.51E+02	-7.76E-05	-3.17E-04	1.72E-04
3.51E+02	-2.02E-04	-2.29E-04	7.21E-05
3.51E+02	-3.32E-04	-1.90E-04	-5.19E-05
3.51E+02	-4.53E-04	-1.61E-04	-8.60E-05
3.51E+02	-5.36E-04	-1.11E-04	-1.13E-04
3.51E+02	-6.24E-04	-2.73E-05	-1.64E-04
3.51E+02	-7.31E-04	7.38E-05	-2.16E-04
3.51E+02	-7.94E-04	1.92E-04	-2.97E-04
3.51E+02	-8.35E-04	3.39E-04	-3.51E-04
3.51E+02	-9.00E-04	4.61E-04	-3.81E-04
3.51E+02	-9.43E-04	5.49E-04	-3.68E-04
3.51E+02	-9.47E-04	6.21E-04	-2.51E-04
3.51E+02	-9.08E-04	6.29E-04	-1.56E-04
3.51E+02	-8.37E-04	5.65E-04	-1.06E-04
3.51E+02	-7.87E-04	4.47E-04	2.10E-06
3.51E+02	-7.10E-04	3.00E-04	1.09E-04
3.51E+02	-6.24E-04	1.44E-04	1.66E-04
3.51E+02	-5.98E-04	-3.22E-05	1.21E-04
3.51E+02	-5.52E-04	-1.83E-04	6.10E-06
3.51E+02	-4.55E-04	-2.47E-04	-1.54E-05
3.51E+02	-3.31E-04	-2.48E-04	-5.34E-06
3.51E+02	-2.04E-04	-2.19E-04	-2.52E-05
3.51E+02	-1.04E-04	-1.87E-04	-1.58E-05
3.51E+02	7.25E-06	-1.67E-04	-3.43E-06
3.51E+02	1.18E-04	-1.48E-04	3.03E-05
3.51E+02	1.66E-04	-1.65E-04	4.43E-05
3.51E+02	1.87E-04	-2.09E-04	3.01E-05
3.51E+02	1.99E-04	-2.40E-04	7.32E-05
3.51E+02	1.93E-04	-2.90E-04	7.32E-05
3.51E+02	1.73E-04	-3.45E-04	3.24E-05
3.51E+02	1.08E-04	-3.62E-04	5.46E-05
3.51E+02	6.75E-05	-3.56E-04	8.13E-05
3.51E+02	6.50E-05	-3.39E-04	1.10E-04
3.51E+02	2.80E-05	-3.48E-04	1.01E-04
3.51E+02	2.40E-05	-3.99E-04	2.61E-05
3.51E+02	7.97E-05	-4.32E-04	-1.72E-06
3.51E+02	1.64E-04	-4.58E-04	-3.09E-05
3.51E+02	2.65E-04	-4.85E-04	-9.52E-05
3.51E+02	3.42E-04	-4.86E-04	-1.12E-04
3.51E+02	4.30E-04	-4.85E-04	-1.03E-04
3.51E+02	5.46E-04	-4.65E-04	-5.23E-05

3.51E+02	6.32E-04	-4.41E-04	-1.53E-06
3.51E+02	7.02E-04	-4.43E-04	7.25E-06
3.51E+02	7.77E-04	-4.20E-04	4.75E-05
3.51E+02	8.55E-04	-3.87E-04	4.01E-05
3.51E+02	9.21E-04	-3.71E-04	-3.47E-05
3.51E+02	9.17E-04	-3.66E-04	-8.32E-05
3.51E+02	9.02E-04	-3.67E-04	-6.16E-05
3.51E+02	9.08E-04	-3.66E-04	5.28E-05
3.51E+02	8.34E-04	-4.25E-04	1.48E-04
3.51E+02	7.29E-04	-5.35E-04	1.98E-04
3.51E+02	6.36E-04	-6.32E-04	2.90E-04
3.51E+02	5.30E-04	-7.23E-04	3.54E-04
3.51E+02	3.97E-04	-7.92E-04	3.50E-04
3.51E+02	1.98E-04	-8.18E-04	3.49E-04
3.51E+02	1.72E-06	-8.25E-04	3.33E-04
3.51E+02	-1.43E-04	-8.15E-04	3.26E-04
3.51E+02	-2.89E-04	-8.13E-04	3.41E-04
3.51E+02	-4.01E-04	-8.41E-04	3.24E-04
3.51E+02	-4.49E-04	-8.47E-04	3.60E-04
3.51E+02	-4.40E-04	-8.32E-04	3.98E-04
3.51E+02	-3.87E-04	-7.99E-04	3.28E-04
3.51E+02	-3.49E-04	-7.12E-04	2.08E-04
3.51E+02	-3.06E-04	-5.73E-04	5.07E-05
3.51E+02	-2.41E-04	-3.85E-04	-9.40E-05
3.51E+02	-2.29E-04	-1.89E-04	-2.12E-04
3.51E+02	-2.66E-04	-2.06E-05	-3.40E-04
3.51E+02	-3.06E-04	1.67E-04	-3.74E-04
3.51E+02	-3.64E-04	3.52E-04	-3.50E-04
3.51E+02	-4.47E-04	5.05E-04	-3.50E-04
3.51E+02	-5.49E-04	6.56E-04	-3.25E-04
3.51E+02	-6.50E-04	7.68E-04	-3.11E-04
3.51E+02	-6.96E-04	8.44E-04	-2.79E-04
3.51E+02	-7.27E-04	8.64E-04	-2.18E-04
3.51E+02	-7.71E-04	7.74E-04	-2.08E-04
3.51E+02	-7.70E-04	6.33E-04	-1.58E-04
3.51E+02	-7.06E-04	4.47E-04	-7.44E-05
3.51E+02	-5.95E-04	2.00E-04	-5.47E-05
3.51E+02	-4.66E-04	-6.12E-05	-3.30E-05
3.51E+02	-3.06E-04	-3.05E-04	-5.15E-06
3.51E+02	-1.13E-04	-4.86E-04	1.35E-05
3.51E+02	2.94E-05	-6.36E-04	-7.44E-06
3.51E+02	1.17E-04	-7.97E-04	-1.21E-04
3.51E+02	1.87E-04	-9.26E-04	-2.10E-04
3.51E+02	2.04E-04	-1.01E-03	-2.56E-04
3.51E+02	1.58E-04	-1.06E-03	-3.33E-04
3.51E+02	4.81E-05	-1.05E-03	-3.90E-04
3.51E+02	-8.72E-05	-9.40E-04	-4.08E-04

3.51E+02	-1.86E-04	-7.34E-04	-3.59E-04
3.51E+02	-2.97E-04	-4.98E-04	-2.51E-04
3.51E+02	-4.24E-04	-3.00E-04	-1.71E-04
3.51E+02	-5.01E-04	-1.38E-04	-5.89E-05
3.51E+02	-5.35E-04	-4.50E-05	7.19E-05
3.51E+02	-5.28E-04	-5.11E-05	1.22E-04
3.51E+02	-5.02E-04	-1.42E-04	1.83E-04
3.51E+02	-4.19E-04	-2.66E-04	2.93E-04
3.51E+02	-2.24E-04	-3.64E-04	4.44E-04
3.51E+02	-5.91E-06	-4.48E-04	5.95E-04
3.51E+02	2.19E-04	-5.44E-04	6.42E-04
3.51E+02	4.48E-04	-6.43E-04	6.53E-04
3.51E+02	6.54E-04	-7.29E-04	6.42E-04
3.51E+02	8.43E-04	-8.12E-04	5.11E-04
3.51E+02	9.21E-04	-9.02E-04	2.92E-04
3.51E+02	9.21E-04	-9.70E-04	3.60E-05
3.51E+02	9.05E-04	-1.01E-03	-1.97E-04
3.51E+02	7.95E-04	-1.03E-03	-3.81E-04
3.51E+02	5.98E-04	-1.06E-03	-5.46E-04
3.51E+02	3.74E-04	-1.08E-03	-5.89E-04
3.51E+02	1.53E-04	-1.05E-03	-4.97E-04
3.51E+02	-4.50E-05	-1.02E-03	-4.01E-04
3.51E+02	-2.42E-04	-9.98E-04	-2.90E-04
3.51E+02	-4.21E-04	-9.51E-04	-1.89E-04
3.51E+02	-5.24E-04	-8.84E-04	-1.40E-04
3.51E+02	-6.03E-04	-7.99E-04	-9.69E-05
3.51E+02	-6.93E-04	-7.59E-04	-1.12E-04
3.51E+02	-7.44E-04	-7.39E-04	-1.28E-04
3.51E+02	-7.51E-04	-6.89E-04	-5.63E-05
3.51E+02	-7.53E-04	-6.70E-04	-8.20E-06
3.51E+02	-7.92E-04	-6.85E-04	2.50E-05
3.51E+02	-8.47E-04	-7.00E-04	7.63E-05
3.51E+02	-8.85E-04	-7.01E-04	1.01E-04
3.51E+02	-9.45E-04	-6.71E-04	1.10E-04
3.51E+02	-1.04E-03	-6.48E-04	4.86E-05
3.51E+02	-1.12E-03	-6.10E-04	-2.77E-05
3.51E+02	-1.14E-03	-5.49E-04	-4.67E-05
3.51E+02	-1.08E-03	-5.31E-04	-9.17E-05
3.51E+02	-1.01E-03	-5.58E-04	-1.40E-04
3.51E+02	-9.36E-04	-6.29E-04	-1.18E-04
3.51E+02	-7.91E-04	-7.14E-04	5.72E-07
3.51E+02	-6.28E-04	-7.90E-04	1.84E-04
3.51E+02	-5.08E-04	-9.19E-04	3.20E-04
3.51E+02	-3.86E-04	-1.06E-03	4.24E-04
3.51E+02	-2.77E-04	-1.18E-03	5.31E-04
3.51E+02	-2.02E-04	-1.30E-03	5.64E-04
3.51E+02	-1.63E-04	-1.36E-03	5.82E-04

3.51E+02	-1.56E-04	-1.36E-03	6.45E-04
3.51E+02	-1.03E-04	-1.31E-03	7.26E-04
3.51E+02	-4.06E-05	-1.21E-03	8.23E-04
3.51E+02	-2.14E-05	-1.12E-03	8.51E-04
3.51E+02	9.16E-06	-1.01E-03	8.39E-04
3.51E+02	4.23E-05	-8.93E-04	8.24E-04
3.51E+02	9.04E-05	-7.97E-04	6.91E-04
3.51E+02	1.39E-04	-7.04E-04	4.83E-04
3.51E+02	1.54E-04	-6.15E-04	2.63E-04
3.51E+02	2.11E-04	-5.09E-04	5.00E-05
3.51E+02	2.82E-04	-3.99E-04	-1.42E-04
3.51E+02	3.30E-04	-3.59E-04	-4.04E-04
3.51E+02	4.08E-04	-3.51E-04	-6.50E-04
3.51E+02	5.07E-04	-3.34E-04	-7.78E-04
3.51E+02	6.09E-04	-3.25E-04	-8.76E-04
3.51E+02	6.82E-04	-2.97E-04	-9.12E-04
3.51E+02	6.99E-04	-2.38E-04	-8.61E-04
3.51E+02	7.09E-04	-1.50E-04	-7.68E-04
3.51E+02	6.75E-04	-3.87E-05	-6.20E-04
3.51E+02	5.47E-04	3.81E-05	-4.92E-04
3.51E+02	4.03E-04	9.42E-05	-3.46E-04
3.51E+02	2.94E-04	1.77E-04	-6.83E-05
3.51E+02	2.30E-04	2.37E-04	2.21E-04
3.51E+02	1.71E-04	2.50E-04	4.55E-04
3.51E+02	9.14E-05	2.50E-04	6.95E-04
3.51E+02	9.46E-05	2.64E-04	9.22E-04
3.51E+02	1.58E-04	2.78E-04	1.11E-03
3.51E+02	2.12E-04	2.59E-04	1.20E-03
3.51E+02	3.26E-04	2.36E-04	1.20E-03
3.51E+02	4.92E-04	2.54E-04	1.16E-03
3.51E+02	6.80E-04	2.94E-04	1.03E-03
3.51E+02	8.69E-04	3.37E-04	8.52E-04
3.51E+02	9.94E-04	3.51E-04	6.95E-04
3.51E+02	1.11E-03	3.33E-04	5.31E-04
3.51E+02	1.19E-03	2.98E-04	3.99E-04
3.51E+02	1.15E-03	1.97E-04	2.71E-04
3.51E+02	1.07E-03	6.45E-05	1.30E-04
3.51E+02	9.41E-04	-5.00E-05	5.61E-05
3.51E+02	7.75E-04	-1.79E-04	-4.44E-05
3.52E+02	5.83E-04	-3.00E-04	-1.80E-04
3.52E+02	3.24E-04	-3.96E-04	-2.42E-04
3.52E+02	6.50E-05	-4.65E-04	-2.63E-04
3.52E+02	-1.54E-04	-4.93E-04	-2.32E-04
3.52E+02	-3.89E-04	-5.51E-04	-1.89E-04
3.52E+02	-6.08E-04	-6.41E-04	-1.66E-04
3.52E+02	-7.76E-04	-7.11E-04	-7.67E-05
3.52E+02	-8.96E-04	-7.68E-04	3.49E-05

3.52E+02	-9.68E-04	-7.92E-04	1.39E-04
3.52E+02	-1.01E-03	-7.75E-04	2.81E-04
3.52E+02	-9.55E-04	-7.07E-04	4.52E-04
3.52E+02	-7.94E-04	-5.60E-04	6.37E-04
3.52E+02	-6.11E-04	-3.87E-04	7.31E-04
3.52E+02	-3.80E-04	-2.16E-04	6.87E-04
3.52E+02	-1.07E-04	-3.68E-05	6.17E-04
3.52E+02	1.56E-04	8.45E-05	4.85E-04
3.52E+02	3.67E-04	1.10E-04	3.09E-04
3.52E+02	4.68E-04	6.20E-05	2.18E-04
3.52E+02	4.91E-04	-2.54E-05	1.76E-04
3.52E+02	4.37E-04	-1.15E-04	1.75E-04
3.52E+02	2.60E-04	-2.31E-04	1.49E-04
3.52E+02	2.23E-05	-3.51E-04	9.14E-05
3.52E+02	-2.05E-04	-4.11E-04	1.39E-04
3.52E+02	-4.16E-04	-4.43E-04	2.09E-04
3.52E+02	-6.21E-04	-4.51E-04	2.41E-04
3.52E+02	-8.30E-04	-4.22E-04	2.82E-04
3.52E+02	-9.88E-04	-3.69E-04	2.94E-04
3.52E+02	-1.05E-03	-2.85E-04	3.00E-04
3.52E+02	-1.08E-03	-2.16E-04	2.71E-04
3.52E+02	-1.08E-03	-1.77E-04	1.98E-04
3.52E+02	-9.84E-04	-1.32E-04	1.91E-04
3.52E+02	-8.21E-04	-1.11E-04	2.10E-04
3.52E+02	-5.82E-04	-9.86E-05	2.15E-04
3.52E+02	-3.28E-04	-8.30E-05	2.34E-04
3.52E+02	-4.25E-05	-5.21E-05	2.39E-04
3.52E+02	3.10E-04	4.14E-05	2.63E-04
3.52E+02	5.93E-04	1.18E-04	2.43E-04
3.52E+02	8.09E-04	1.78E-04	1.41E-04
3.52E+02	9.81E-04	2.85E-04	6.96E-05
3.52E+02	1.06E-03	3.76E-04	-1.37E-05
3.52E+02	1.03E-03	4.43E-04	-1.57E-04
3.52E+02	8.66E-04	4.99E-04	-2.77E-04
3.52E+02	6.24E-04	5.32E-04	-3.80E-04
3.52E+02	3.78E-04	5.98E-04	-4.32E-04
3.52E+02	7.42E-05	6.77E-04	-4.06E-04
3.52E+02	-2.20E-04	7.27E-04	-3.38E-04
3.52E+02	-4.57E-04	7.94E-04	-1.55E-04
3.52E+02	-6.45E-04	8.24E-04	5.70E-05
3.52E+02	-7.65E-04	7.69E-04	1.82E-04
3.52E+02	-8.72E-04	6.59E-04	3.01E-04
3.52E+02	-9.22E-04	5.12E-04	4.15E-04
3.52E+02	-8.56E-04	3.80E-04	5.04E-04
3.52E+02	-7.41E-04	2.43E-04	5.23E-04
3.52E+02	-5.68E-04	6.96E-05	4.06E-04
3.52E+02	-3.08E-04	-1.02E-04	2.90E-04

3.52E+02	1.34E-06	-2.71E-04	2.04E-04
3.52E+02	3.11E-04	-4.49E-04	4.71E-05
3.52E+02	5.67E-04	-6.24E-04	-1.34E-04
3.52E+02	7.83E-04	-7.77E-04	-3.39E-04
3.52E+02	9.84E-04	-8.77E-04	-5.20E-04
3.52E+02	1.11E-03	-9.27E-04	-6.23E-04
3.52E+02	1.14E-03	-9.39E-04	-7.06E-04
3.52E+02	1.14E-03	-8.68E-04	-7.12E-04
3.52E+02	1.10E-03	-7.38E-04	-6.53E-04
3.52E+02	1.01E-03	-6.08E-04	-6.23E-04
3.52E+02	8.79E-04	-4.54E-04	-5.50E-04
3.52E+02	7.36E-04	-2.74E-04	-4.05E-04
3.52E+02	6.36E-04	-7.95E-05	-2.00E-04
3.52E+02	5.21E-04	7.99E-05	2.12E-05
3.52E+02	3.96E-04	1.69E-04	2.05E-04
3.52E+02	3.24E-04	2.74E-04	4.42E-04
3.52E+02	2.95E-04	3.97E-04	6.90E-04
3.52E+02	2.77E-04	5.04E-04	8.55E-04
3.52E+02	2.29E-04	6.16E-04	9.65E-04
3.52E+02	1.79E-04	6.96E-04	9.74E-04
3.52E+02	1.57E-04	7.42E-04	9.05E-04
3.52E+02	1.05E-04	7.43E-04	7.93E-04
3.52E+02	2.31E-05	6.60E-04	5.97E-04
3.52E+02	-4.48E-05	5.49E-04	4.42E-04
3.52E+02	-9.78E-05	4.31E-04	3.47E-04
3.52E+02	-1.16E-04	2.92E-04	1.83E-04
3.52E+02	-1.24E-04	1.74E-04	4.77E-06
3.52E+02	-1.20E-04	1.03E-04	-1.91E-04
3.52E+02	-5.05E-05	9.86E-05	-4.31E-04
3.52E+02	3.03E-05	1.33E-04	-6.97E-04
3.52E+02	8.79E-05	1.46E-04	-9.96E-04
3.52E+02	1.63E-04	1.64E-04	-1.18E-03
3.52E+02	2.38E-04	1.70E-04	-1.21E-03
3.52E+02	2.76E-04	1.09E-04	-1.16E-03
3.52E+02	2.50E-04	1.18E-05	-9.83E-04
3.52E+02	1.88E-04	-1.17E-04	-7.26E-04
3.52E+02	1.54E-04	-2.37E-04	-4.20E-04
3.52E+02	1.15E-04	-3.17E-04	-1.32E-04
3.52E+02	6.52E-05	-3.82E-04	2.94E-05
3.52E+02	7.21E-05	-3.89E-04	1.44E-04
3.52E+02	1.35E-04	-3.46E-04	2.72E-04
3.52E+02	2.38E-04	-2.92E-04	3.27E-04
3.52E+02	3.31E-04	-2.50E-04	3.27E-04
3.52E+02	4.00E-04	-2.45E-04	3.05E-04
3.52E+02	4.90E-04	-2.30E-04	2.92E-04
3.52E+02	5.30E-04	-2.46E-04	2.52E-04
3.52E+02	5.20E-04	-3.18E-04	1.13E-04

3.52E+02	5.11E-04	-3.86E-04	-1.56E-05
3.52E+02	4.64E-04	-4.50E-04	-1.02E-04
3.52E+02	4.16E-04	-4.97E-04	-1.89E-04
3.52E+02	3.55E-04	-5.24E-04	-2.70E-04
3.52E+02	2.73E-04	-5.29E-04	-3.39E-04
3.52E+02	2.60E-04	-4.86E-04	-3.49E-04
3.52E+02	2.64E-04	-4.39E-04	-3.20E-04
3.52E+02	2.48E-04	-4.50E-04	-3.27E-04
3.52E+02	2.75E-04	-4.76E-04	-2.90E-04
3.52E+02	3.33E-04	-4.79E-04	-1.63E-04
3.52E+02	4.21E-04	-4.88E-04	-5.93E-05
3.52E+02	4.81E-04	-5.04E-04	7.44E-05
3.52E+02	5.01E-04	-4.89E-04	2.94E-04
3.52E+02	5.50E-04	-4.23E-04	4.96E-04
3.52E+02	5.66E-04	-3.42E-04	6.46E-04
3.52E+02	5.27E-04	-2.69E-04	6.93E-04
3.52E+02	4.63E-04	-1.98E-04	6.36E-04
3.52E+02	3.68E-04	-1.36E-04	5.54E-04
3.52E+02	2.69E-04	-6.48E-05	4.78E-04
3.52E+02	1.20E-04	3.43E-06	4.00E-04
3.52E+02	-8.22E-05	2.00E-05	2.98E-04
3.52E+02	-2.68E-04	2.29E-05	2.30E-04
3.52E+02	-4.59E-04	2.82E-05	1.87E-04
3.52E+02	-6.69E-04	-3.41E-05	7.06E-05
3.52E+02	-8.62E-04	-1.13E-04	-7.59E-05
3.52E+02	-1.00E-03	-1.69E-04	-2.17E-04
3.52E+02	-1.09E-03	-2.45E-04	-4.06E-04
3.52E+02	-1.17E-03	-2.89E-04	-5.52E-04
3.52E+02	-1.22E-03	-2.90E-04	-5.77E-04
3.52E+02	-1.20E-03	-2.54E-04	-5.00E-04
3.52E+02	-1.14E-03	-1.65E-04	-3.43E-04
3.52E+02	-1.08E-03	-9.06E-05	-2.28E-04
3.52E+02	-9.67E-04	-5.44E-05	-1.97E-04
3.52E+02	-7.81E-04	-2.78E-05	-1.92E-04
3.52E+02	-5.56E-04	-3.07E-05	-2.33E-04
3.52E+02	-3.36E-04	-6.85E-05	-2.96E-04
3.52E+02	-1.82E-04	-1.34E-04	-3.59E-04
3.52E+02	-5.59E-05	-1.95E-04	-3.96E-04
3.52E+02	2.19E-05	-2.49E-04	-3.90E-04
3.52E+02	-4.58E-06	-3.27E-04	-3.83E-04
3.52E+02	-8.14E-05	-3.70E-04	-3.05E-04
3.52E+02	-2.14E-04	-3.67E-04	-1.53E-04
3.52E+02	-3.98E-04	-3.42E-04	-3.64E-05
3.52E+02	-6.23E-04	-2.72E-04	7.23E-05
3.52E+02	-8.85E-04	-1.86E-04	1.86E-04
3.52E+02	-1.09E-03	-6.66E-05	2.67E-04
3.52E+02	-1.22E-03	9.31E-05	3.36E-04

3.52E+02	-1.33E-03	2.22E-04	3.42E-04
3.52E+02	-1.35E-03	3.27E-04	2.98E-04
3.52E+02	-1.26E-03	4.28E-04	2.91E-04
3.52E+02	-1.10E-03	5.08E-04	2.59E-04
3.52E+02	-9.36E-04	5.55E-04	1.67E-04
3.52E+02	-7.96E-04	5.68E-04	6.56E-05
3.52E+02	-6.45E-04	5.86E-04	-3.28E-05
3.52E+02	-5.04E-04	6.29E-04	-9.88E-05
3.52E+02	-4.45E-04	6.54E-04	-1.72E-04
3.52E+02	-4.58E-04	6.36E-04	-2.97E-04
3.52E+02	-5.19E-04	5.85E-04	-4.08E-04
3.52E+02	-6.28E-04	4.92E-04	-5.21E-04
3.52E+02	-7.89E-04	3.82E-04	-6.23E-04
3.52E+02	-1.00E-03	2.85E-04	-6.63E-04
3.52E+02	-1.21E-03	2.16E-04	-6.63E-04
3.52E+02	-1.38E-03	2.14E-04	-5.89E-04
3.52E+02	-1.57E-03	2.22E-04	-4.92E-04
3.52E+02	-1.74E-03	2.12E-04	-3.77E-04
3.52E+02	-1.84E-03	2.40E-04	-1.54E-04
3.52E+02	-1.92E-03	2.65E-04	5.13E-05
3.52E+02	-1.98E-03	2.56E-04	1.85E-04
3.52E+02	-2.05E-03	2.39E-04	3.29E-04
3.52E+02	-2.02E-03	2.07E-04	4.69E-04
3.52E+02	-1.88E-03	1.77E-04	6.26E-04
3.52E+02	-1.69E-03	1.44E-04	7.25E-04
3.52E+02	-1.45E-03	9.98E-05	6.99E-04
3.52E+02	-1.14E-03	7.80E-05	6.41E-04
3.52E+02	-7.98E-04	5.44E-05	4.82E-04
3.52E+02	-4.58E-04	-4.77E-06	1.80E-04
3.52E+02	-1.81E-04	-9.38E-05	-1.21E-04
3.52E+02	3.81E-05	-1.95E-04	-3.76E-04
3.52E+02	2.00E-04	-2.81E-04	-5.57E-04
3.52E+02	2.42E-04	-3.89E-04	-6.99E-04
3.52E+02	1.95E-04	-5.15E-04	-8.38E-04
3.52E+02	1.05E-04	-6.16E-04	-8.28E-04
3.52E+02	-3.32E-05	-7.23E-04	-7.18E-04
3.52E+02	-2.20E-04	-8.41E-04	-6.16E-04
3.52E+02	-4.67E-04	-9.54E-04	-4.98E-04
3.52E+02	-7.04E-04	-1.04E-03	-4.18E-04
3.52E+02	-8.72E-04	-1.07E-03	-3.21E-04
3.52E+02	-1.03E-03	-1.08E-03	-1.87E-04
3.52E+02	-1.17E-03	-1.07E-03	-7.36E-05
3.52E+02	-1.22E-03	-9.96E-04	1.15E-04
3.52E+02	-1.20E-03	-8.52E-04	3.32E-04
3.52E+02	-1.11E-03	-6.99E-04	4.85E-04
3.52E+02	-1.01E-03	-5.53E-04	6.38E-04
3.52E+02	-8.85E-04	-4.02E-04	7.80E-04

3.52E+02	-7.12E-04	-2.53E-04	8.73E-04
3.52E+02	-5.81E-04	-1.20E-04	8.85E-04
3.52E+02	-4.66E-04	-4.96E-06	7.97E-04
3.52E+02	-3.51E-04	1.17E-04	7.11E-04
3.53E+02	-2.71E-04	2.46E-04	6.24E-04
3.53E+02	-2.22E-04	3.44E-04	4.55E-04
3.53E+02	-2.65E-04	4.19E-04	2.64E-04
3.53E+02	-3.52E-04	4.67E-04	8.87E-05
3.53E+02	-4.00E-04	4.96E-04	-3.72E-05
3.53E+02	-4.87E-04	4.97E-04	-1.05E-04
3.53E+02	-5.93E-04	4.43E-04	-1.59E-04
3.53E+02	-6.63E-04	3.95E-04	-1.46E-04
3.53E+02	-7.15E-04	3.52E-04	-9.37E-05
3.53E+02	-7.50E-04	2.71E-04	-8.64E-05
3.53E+02	-8.24E-04	1.78E-04	-7.76E-05
3.53E+02	-9.04E-04	9.73E-05	-5.28E-05
3.53E+02	-9.31E-04	5.86E-05	-1.68E-05
3.53E+02	-9.62E-04	5.93E-05	2.21E-05
3.53E+02	-1.00E-03	5.55E-05	-2.88E-05
3.53E+02	-9.80E-04	6.39E-05	-1.07E-04
3.53E+02	-8.90E-04	7.93E-05	-1.75E-04
3.53E+02	-7.64E-04	4.43E-05	-3.30E-04
3.53E+02	-6.23E-04	-9.92E-06	-4.93E-04
3.53E+02	-4.66E-04	-7.46E-05	-6.29E-04
3.53E+02	-2.62E-04	-1.35E-04	-6.98E-04
3.53E+02	-7.32E-05	-1.71E-04	-6.29E-04
3.53E+02	5.42E-05	-2.52E-04	-5.25E-04
3.53E+02	1.44E-04	-3.38E-04	-3.68E-04
3.53E+02	1.78E-04	-4.13E-04	-2.00E-04
3.53E+02	1.77E-04	-5.12E-04	-1.57E-04
3.53E+02	1.19E-04	-6.11E-04	-1.57E-04
3.53E+02	2.67E-05	-7.02E-04	-1.67E-04
3.53E+02	-2.59E-05	-7.27E-04	-1.83E-04
3.53E+02	-9.29E-05	-7.05E-04	-1.90E-04
3.53E+02	-1.79E-04	-7.00E-04	-2.54E-04
3.53E+02	-2.38E-04	-6.61E-04	-3.07E-04
3.53E+02	-2.65E-04	-5.78E-04	-3.13E-04
3.53E+02	-2.63E-04	-4.59E-04	-3.23E-04
3.53E+02	-2.82E-04	-2.93E-04	-2.92E-04
3.53E+02	-2.95E-04	-1.22E-04	-2.52E-04
3.53E+02	-2.37E-04	6.05E-05	-2.33E-04
3.53E+02	-1.67E-04	2.47E-04	-2.13E-04
3.53E+02	-9.98E-05	3.77E-04	-2.38E-04
3.53E+02	1.18E-05	4.81E-04	-2.31E-04
3.53E+02	1.57E-04	5.74E-04	-1.58E-04
3.53E+02	3.23E-04	6.17E-04	-1.54E-04
3.53E+02	4.51E-04	6.25E-04	-2.17E-04

3.53E+02	5.17E-04	6.04E-04	-3.05E-04
3.53E+02	5.86E-04	5.81E-04	-3.73E-04
3.53E+02	6.11E-04	5.60E-04	-4.05E-04
3.53E+02	5.70E-04	5.01E-04	-4.84E-04
3.53E+02	5.31E-04	4.59E-04	-4.96E-04
3.53E+02	4.93E-04	4.70E-04	-3.77E-04
3.53E+02	4.66E-04	4.90E-04	-2.73E-04
3.53E+02	4.24E-04	5.31E-04	-1.71E-04
3.53E+02	3.58E-04	5.63E-04	-7.32E-05
3.53E+02	3.51E-04	5.78E-04	-9.16E-06
3.53E+02	3.56E-04	6.00E-04	6.54E-05
3.53E+02	3.19E-04	5.87E-04	6.92E-05
3.53E+02	2.93E-04	5.98E-04	5.38E-05
3.53E+02	2.94E-04	6.69E-04	1.18E-04
3.53E+02	3.23E-04	7.29E-04	1.79E-04
3.53E+02	3.37E-04	7.83E-04	2.60E-04
3.53E+02	3.22E-04	8.31E-04	3.56E-04
3.53E+02	3.59E-04	8.92E-04	4.15E-04
3.53E+02	3.91E-04	9.58E-04	4.41E-04
3.53E+02	3.58E-04	9.63E-04	3.51E-04
3.53E+02	3.32E-04	9.51E-04	2.34E-04
3.53E+02	3.06E-04	9.61E-04	2.28E-04
3.53E+02	2.69E-04	9.63E-04	2.48E-04
3.53E+02	1.84E-04	9.43E-04	2.52E-04
3.53E+02	3.19E-05	8.79E-04	2.28E-04
3.53E+02	-9.99E-05	7.65E-04	1.56E-04
3.53E+02	-2.27E-04	6.21E-04	1.15E-04
3.53E+02	-3.85E-04	4.25E-04	6.26E-05
3.53E+02	-5.18E-04	2.05E-04	-1.26E-05
3.53E+02	-5.94E-04	2.08E-05	-8.01E-06
3.53E+02	-6.07E-04	-1.54E-04	5.34E-06
3.53E+02	-5.84E-04	-3.20E-04	1.75E-05
3.53E+02	-5.61E-04	-4.55E-04	6.77E-05
3.53E+02	-4.99E-04	-5.29E-04	1.04E-04
3.53E+02	-4.18E-04	-5.33E-04	1.37E-04
3.53E+02	-3.86E-04	-5.03E-04	1.28E-04
3.53E+02	-3.59E-04	-4.17E-04	1.23E-04
3.53E+02	-3.07E-04	-2.35E-04	2.13E-04
3.53E+02	-2.48E-04	-1.91E-07	2.95E-04
3.53E+02	-1.93E-04	2.29E-04	3.55E-04
3.53E+02	-1.54E-04	4.58E-04	4.26E-04
3.53E+02	-6.03E-05	6.80E-04	4.71E-04
3.53E+02	1.01E-04	8.72E-04	5.32E-04
3.53E+02	2.51E-04	1.00E-03	5.61E-04
3.53E+02	4.09E-04	1.05E-03	5.25E-04
3.53E+02	5.96E-04	1.07E-03	5.00E-04
3.53E+02	7.93E-04	1.06E-03	4.13E-04

3.53E+02	9.76E-04	9.85E-04	2.76E-04
3.53E+02	1.10E-03	8.81E-04	2.17E-04
3.53E+02	1.20E-03	7.64E-04	2.24E-04
3.53E+02	1.25E-03	6.40E-04	2.27E-04
3.53E+02	1.19E-03	4.78E-04	1.29E-04
3.53E+02	1.11E-03	3.11E-04	-2.56E-05
3.53E+02	1.00E-03	2.17E-04	-6.47E-05
3.53E+02	8.68E-04	1.70E-04	-1.60E-05
3.53E+02	6.93E-04	1.49E-04	5.97E-05
3.53E+02	4.51E-04	1.63E-04	1.64E-04
3.53E+02	2.31E-04	1.94E-04	2.16E-04
3.53E+02	7.31E-05	2.51E-04	2.53E-04
3.53E+02	-7.82E-05	3.11E-04	2.82E-04
3.53E+02	-1.86E-04	3.62E-04	2.70E-04
3.53E+02	-2.31E-04	4.60E-04	3.44E-04
3.53E+02	-2.25E-04	5.74E-04	4.37E-04
3.53E+02	-1.90E-04	6.64E-04	4.64E-04
3.53E+02	-1.90E-04	7.39E-04	4.97E-04
3.53E+02	-1.76E-04	7.89E-04	4.87E-04
3.53E+02	-1.29E-04	8.18E-04	4.39E-04
3.53E+02	-1.21E-04	7.86E-04	3.26E-04
3.53E+02	-1.00E-04	7.00E-04	1.51E-04
3.53E+02	-3.64E-05	6.28E-04	8.14E-05
3.53E+02	4.02E-05	5.45E-04	5.74E-05
3.53E+02	1.05E-04	4.46E-04	-1.72E-06
3.53E+02	1.24E-04	3.40E-04	-5.47E-05
3.53E+02	1.52E-04	2.16E-04	-1.45E-04
3.53E+02	2.11E-04	1.07E-04	-2.26E-04
3.53E+02	2.60E-04	-8.20E-06	-2.95E-04
3.53E+02	3.26E-04	-1.30E-04	-3.58E-04
3.53E+02	4.34E-04	-1.99E-04	-3.20E-04
3.53E+02	5.51E-04	-2.69E-04	-2.58E-04
3.53E+02	6.57E-04	-3.29E-04	-2.14E-04
3.53E+02	7.13E-04	-3.41E-04	-1.04E-04
3.53E+02	7.23E-04	-3.34E-04	2.25E-05
3.53E+02	7.43E-04	-2.78E-04	1.74E-04
3.53E+02	7.24E-04	-2.10E-04	3.13E-04
3.53E+02	6.71E-04	-1.54E-04	3.70E-04
3.53E+02	6.59E-04	-5.72E-05	4.49E-04
3.53E+02	6.75E-04	7.27E-05	5.11E-04
3.53E+02	7.03E-04	2.19E-04	4.81E-04
3.53E+02	7.27E-04	3.45E-04	4.07E-04
3.53E+02	7.81E-04	4.43E-04	2.85E-04
3.53E+02	8.89E-04	5.42E-04	1.44E-04
3.53E+02	9.71E-04	6.02E-04	-2.10E-06
3.53E+02	1.02E-03	5.95E-04	-1.83E-04
3.53E+02	1.08E-03	5.62E-04	-2.92E-04

3.53E+02	1.14E-03	5.28E-04	-2.89E-04
3.53E+02	1.16E-03	4.76E-04	-2.94E-04
3.53E+02	1.09E-03	4.22E-04	-3.03E-04
3.53E+02	9.88E-04	4.07E-04	-2.84E-04
3.53E+02	9.00E-04	4.36E-04	-2.71E-04
3.53E+02	7.77E-04	4.78E-04	-3.00E-04
3.53E+02	6.49E-04	5.18E-04	-3.95E-04
3.53E+02	5.69E-04	6.05E-04	-4.38E-04
3.53E+02	5.27E-04	7.37E-04	-4.23E-04
3.53E+02	5.04E-04	8.74E-04	-4.34E-04
3.53E+02	4.68E-04	1.02E-03	-3.98E-04
3.53E+02	4.47E-04	1.17E-03	-3.21E-04
3.53E+02	4.85E-04	1.29E-03	-2.35E-04
3.53E+02	5.10E-04	1.37E-03	-1.51E-04
3.53E+02	5.07E-04	1.34E-03	-1.20E-04
3.53E+02	5.12E-04	1.26E-03	-4.83E-05
3.53E+02	5.06E-04	1.13E-03	5.04E-05
3.53E+02	4.91E-04	9.45E-04	4.08E-05
3.53E+02	4.34E-04	7.30E-04	-4.96E-06
3.53E+02	3.44E-04	5.21E-04	-9.48E-05
3.53E+02	2.90E-04	3.48E-04	-2.48E-04
3.53E+02	2.34E-04	2.13E-04	-3.98E-04
3.53E+02	1.52E-04	8.95E-05	-5.87E-04
3.53E+02	1.19E-04	1.09E-05	-6.84E-04
3.53E+02	1.26E-04	-1.91E-07	-6.65E-04
3.53E+02	1.33E-04	3.43E-06	-6.71E-04
3.53E+02	1.11E-04	1.11E-05	-6.33E-04
3.53E+02	8.13E-05	2.80E-05	-5.64E-04
3.53E+02	9.94E-05	5.61E-05	-4.63E-04
3.53E+02	1.09E-04	1.02E-04	-2.97E-04
3.53E+02	8.64E-05	1.41E-04	-1.70E-04
3.53E+02	6.64E-05	2.14E-04	-4.06E-05
3.53E+02	4.88E-05	3.29E-04	8.35E-05
3.53E+02	4.62E-05	4.50E-04	9.96E-05
3.53E+02	1.85E-05	6.11E-04	1.00E-04
3.53E+02	-3.32E-05	7.83E-04	1.39E-04
3.53E+02	-2.75E-05	9.66E-04	1.88E-04
3.53E+02	-1.68E-05	1.14E-03	2.31E-04
3.53E+02	-4.20E-05	1.22E-03	2.01E-04
3.53E+02	-3.81E-05	1.25E-03	1.73E-04
3.53E+02	-3.55E-05	1.20E-03	1.50E-04
3.53E+02	-2.56E-05	1.08E-03	4.92E-05
3.53E+02	-2.48E-06	9.35E-04	-5.87E-05
3.53E+02	2.23E-05	7.47E-04	-1.94E-04
3.53E+02	1.20E-04	5.69E-04	-3.43E-04
3.53E+02	2.26E-04	4.12E-04	-4.65E-04
3.53E+02	2.95E-04	2.50E-04	-6.16E-04

3.53E+02	3.73E-04	1.27E-04	-6.91E-04
3.53E+02	4.45E-04	4.10E-05	-6.77E-04
3.53E+02	5.28E-04	-2.46E-05	-7.02E-04
3.53E+02	5.83E-04	-8.30E-05	-6.97E-04
3.53E+02	6.09E-04	-1.42E-04	-6.16E-04
3.53E+02	6.79E-04	-1.67E-04	-4.60E-04
3.53E+02	7.30E-04	-1.89E-04	-2.54E-04
3.53E+02	7.32E-04	-2.58E-04	-1.44E-04
3.53E+02	7.41E-04	-3.09E-04	-5.47E-05
3.53E+02	7.55E-04	-3.13E-04	7.99E-05
3.53E+02	7.79E-04	-2.97E-04	1.51E-04
3.53E+02	7.84E-04	-2.46E-04	1.93E-04
3.53E+02	7.52E-04	-1.72E-04	2.14E-04
3.53E+02	7.75E-04	-6.96E-05	2.17E-04
3.53E+02	8.27E-04	4.60E-05	2.54E-04
3.53E+02	8.40E-04	1.10E-04	2.63E-04
3.54E+02	8.85E-04	1.50E-04	2.57E-04
3.54E+02	9.49E-04	1.94E-04	2.84E-04
3.54E+02	9.94E-04	2.35E-04	2.47E-04
3.54E+02	1.00E-03	2.81E-04	1.43E-04
3.54E+02	9.35E-04	3.38E-04	2.46E-05
3.54E+02	8.68E-04	4.42E-04	-8.77E-05
3.54E+02	7.74E-04	5.62E-04	-1.40E-04
3.54E+02	6.11E-04	6.43E-04	-2.32E-04
3.54E+02	4.71E-04	7.30E-04	-3.42E-04
3.54E+02	3.71E-04	8.37E-04	-3.43E-04
3.54E+02	3.25E-04	9.13E-04	-3.42E-04
3.54E+02	3.01E-04	9.39E-04	-3.40E-04
3.54E+02	2.59E-04	9.16E-04	-3.10E-04
3.54E+02	2.66E-04	8.76E-04	-3.25E-04
3.54E+02	2.96E-04	8.30E-04	-3.33E-04
3.54E+02	3.04E-04	7.24E-04	-3.65E-04
3.54E+02	3.33E-04	5.78E-04	-3.83E-04
3.54E+02	3.86E-04	4.30E-04	-2.79E-04
3.54E+02	4.64E-04	2.58E-04	-2.08E-04
3.54E+02	5.35E-04	8.16E-05	-1.80E-04
3.54E+02	5.53E-04	-6.96E-05	-1.14E-04
3.54E+02	5.94E-04	-1.86E-04	-7.48E-05
3.54E+02	6.32E-04	-2.73E-04	-5.42E-05
3.54E+02	5.87E-04	-3.81E-04	-1.02E-04
3.54E+02	5.32E-04	-4.96E-04	-1.56E-04
3.54E+02	4.73E-04	-5.76E-04	-7.13E-05
3.54E+02	4.23E-04	-6.25E-04	5.78E-05
3.54E+02	3.48E-04	-6.51E-04	1.41E-04
3.54E+02	1.99E-04	-6.53E-04	1.58E-04
3.54E+02	8.98E-05	-6.10E-04	8.72E-05
3.54E+02	-1.51E-05	-5.25E-04	5.34E-06

3.54E+02	-1.66E-04	-4.38E-04	-8.56E-05
3.54E+02	-2.87E-04	-3.39E-04	-1.84E-04
3.54E+02	-3.74E-04	-2.23E-04	-1.88E-04
3.54E+02	-4.09E-04	-1.42E-04	-2.06E-04
3.54E+02	-4.07E-04	-1.19E-04	-2.88E-04
3.54E+02	-4.04E-04	-1.53E-04	-3.42E-04
3.54E+02	-3.30E-04	-2.27E-04	-3.48E-04
3.54E+02	-2.03E-04	-3.22E-04	-2.71E-04
3.54E+02	-1.08E-04	-4.78E-04	-2.40E-04
3.54E+02	-2.57E-05	-6.75E-04	-2.92E-04
3.54E+02	7.06E-05	-8.21E-04	-2.65E-04
3.54E+02	1.70E-04	-9.16E-04	-2.16E-04
3.54E+02	2.37E-04	-9.70E-04	-1.49E-04
3.54E+02	2.37E-04	-9.61E-04	-3.05E-06
3.54E+02	2.14E-04	-8.98E-04	1.33E-04
3.54E+02	2.00E-04	-7.72E-04	3.02E-04
3.54E+02	1.54E-04	-6.09E-04	4.92E-04
3.54E+02	8.95E-05	-4.44E-04	6.46E-04
3.54E+02	2.96E-05	-2.74E-04	8.45E-04
3.54E+02	-2.59E-05	-1.21E-04	9.48E-04
3.54E+02	-7.82E-05	1.43E-05	9.00E-04
3.54E+02	-1.57E-04	1.63E-04	8.49E-04
3.54E+02	-1.86E-04	3.49E-04	7.94E-04
3.54E+02	-1.51E-04	5.68E-04	7.58E-04
3.54E+02	-1.27E-04	7.54E-04	6.60E-04
3.54E+02	-6.08E-05	8.74E-04	4.37E-04
3.54E+02	5.99E-05	9.72E-04	2.33E-04
3.54E+02	2.17E-04	1.04E-03	4.31E-05
3.54E+02	3.88E-04	1.07E-03	-1.47E-04
3.54E+02	4.97E-04	1.09E-03	-3.00E-04
3.54E+02	5.96E-04	1.08E-03	-4.92E-04
3.54E+02	7.15E-04	1.10E-03	-6.82E-04
3.54E+02	7.71E-04	1.11E-03	-8.31E-04
3.54E+02	7.83E-04	1.08E-03	-9.53E-04
3.54E+02	7.87E-04	1.05E-03	-9.53E-04
3.54E+02	7.76E-04	1.01E-03	-8.89E-04
3.54E+02	7.56E-04	9.47E-04	-8.43E-04
3.54E+02	6.95E-04	8.95E-04	-7.35E-04
3.54E+02	6.48E-04	8.62E-04	-5.53E-04
3.54E+02	6.23E-04	8.55E-04	-3.11E-04
3.54E+02	5.38E-04	8.35E-04	-8.13E-05
3.54E+02	4.33E-04	7.85E-04	6.20E-05
3.54E+02	3.51E-04	7.38E-04	2.09E-04
3.54E+02	2.80E-04	7.03E-04	3.32E-04
3.54E+02	2.16E-04	6.63E-04	4.04E-04
3.54E+02	1.31E-04	6.21E-04	4.88E-04
3.54E+02	5.84E-05	5.79E-04	5.37E-04

3.54E+02	2.23E-05	5.44E-04	5.96E-04
3.54E+02	-2.99E-05	4.99E-04	6.65E-04
3.54E+02	-7.93E-05	4.18E-04	6.93E-04
3.54E+02	-1.01E-04	3.55E-04	7.69E-04
3.54E+02	-1.12E-04	3.02E-04	7.99E-04
3.54E+02	-1.24E-04	2.26E-04	6.76E-04
3.54E+02	-1.64E-04	1.79E-04	4.94E-04
3.54E+02	-1.82E-04	1.78E-04	3.07E-04
3.54E+02	-1.60E-04	2.33E-04	1.61E-04
3.54E+02	-1.67E-04	2.99E-04	2.77E-05
3.54E+02	-1.91E-04	3.15E-04	-1.56E-04
3.54E+02	-2.03E-04	3.39E-04	-2.55E-04
3.54E+02	-1.95E-04	3.79E-04	-2.80E-04
3.54E+02	-1.90E-04	4.07E-04	-3.30E-04
3.54E+02	-2.08E-04	4.64E-04	-3.02E-04
3.54E+02	-2.05E-04	5.42E-04	-2.42E-04
3.54E+02	-1.69E-04	6.22E-04	-1.90E-04
3.54E+02	-1.52E-04	6.83E-04	-9.92E-05
3.54E+02	-1.48E-04	7.14E-04	-5.46E-05
3.54E+02	-1.22E-04	7.35E-04	2.46E-05
3.54E+02	-9.57E-05	7.23E-04	1.24E-04
3.54E+02	-7.19E-05	6.72E-04	1.31E-04
3.54E+02	-7.72E-05	6.08E-04	1.60E-04
3.54E+02	-9.56E-05	5.47E-04	1.83E-04
3.54E+02	-7.02E-05	5.02E-04	1.68E-04
3.54E+02	-7.38E-05	4.32E-04	1.45E-04
3.54E+02	-1.07E-04	3.03E-04	4.65E-05
3.54E+02	-1.11E-04	1.60E-04	-1.22E-05
3.54E+02	-1.30E-04	5.72E-07	-1.58E-05
3.54E+02	-1.61E-04	-1.95E-04	-1.03E-04
3.54E+02	-2.19E-04	-4.10E-04	-1.88E-04
3.54E+02	-3.15E-04	-6.44E-04	-2.43E-04
3.54E+02	-3.52E-04	-8.50E-04	-3.09E-04
3.54E+02	-3.72E-04	-1.02E-03	-3.78E-04
3.54E+02	-3.96E-04	-1.17E-03	-4.72E-04
3.54E+02	-3.49E-04	-1.21E-03	-4.50E-04
3.54E+02	-2.75E-04	-1.19E-03	-3.45E-04
3.54E+02	-1.70E-04	-1.17E-03	-3.25E-04
3.54E+02	-4.83E-05	-1.10E-03	-2.82E-04
3.54E+02	6.12E-05	-1.03E-03	-2.10E-04
3.54E+02	2.29E-04	-9.22E-04	-1.34E-04
3.54E+02	3.97E-04	-7.64E-04	-2.48E-05
3.54E+02	5.43E-04	-6.21E-04	1.74E-05
3.54E+02	7.28E-04	-4.64E-04	8.32E-05
3.54E+02	9.08E-04	-2.92E-04	1.95E-04
3.54E+02	1.06E-03	-1.44E-04	2.43E-04
3.54E+02	1.14E-03	-1.35E-05	2.74E-04

3.54E+02	1.15E-03	9.12E-05	2.42E-04
3.54E+02	1.14E-03	1.77E-04	1.50E-04
3.54E+02	1.07E-03	2.31E-04	8.05E-05
3.54E+02	8.90E-04	2.19E-04	-9.54E-07
3.54E+02	6.73E-04	1.88E-04	-3.60E-05
3.54E+02	4.13E-04	1.50E-04	-2.10E-05
3.54E+02	1.54E-04	9.33E-05	-8.56E-05
3.54E+02	-1.37E-04	4.31E-05	-1.77E-04
3.54E+02	-4.45E-04	1.32E-05	-2.32E-04
3.54E+02	-6.56E-04	3.17E-05	-2.67E-04
3.54E+02	-8.20E-04	6.68E-05	-2.80E-04
3.54E+02	-9.71E-04	3.41E-05	-3.74E-04
3.54E+02	-1.04E-03	-3.80E-05	-4.73E-04
3.54E+02	-1.02E-03	-1.33E-04	-4.73E-04
3.54E+02	-9.45E-04	-2.78E-04	-4.86E-04
3.54E+02	-8.56E-04	-4.29E-04	-5.08E-04
3.54E+02	-7.48E-04	-5.73E-04	-5.50E-04
3.54E+02	-5.90E-04	-6.90E-04	-6.31E-04
3.54E+02	-4.23E-04	-7.50E-04	-6.84E-04
3.54E+02	-2.85E-04	-7.90E-04	-7.29E-04
3.54E+02	-1.53E-04	-7.99E-04	-6.93E-04
3.54E+02	-2.23E-05	-7.51E-04	-5.54E-04
3.54E+02	9.35E-05	-6.76E-04	-4.40E-04
3.54E+02	1.39E-04	-5.85E-04	-3.15E-04
3.54E+02	1.26E-04	-4.85E-04	-1.45E-04
3.54E+02	1.33E-04	-3.64E-04	6.75E-05
3.54E+02	9.35E-05	-2.25E-04	2.78E-04
3.54E+02	-2.59E-05	-1.44E-04	3.43E-04
3.54E+02	-1.44E-04	-7.42E-05	3.66E-04
3.54E+02	-2.70E-04	1.20E-05	4.26E-04
3.54E+02	-3.97E-04	4.84E-05	4.27E-04
3.54E+02	-5.18E-04	6.89E-05	4.27E-04
3.54E+02	-6.59E-04	7.78E-05	4.46E-04
3.54E+02	-7.24E-04	8.91E-05	4.64E-04
3.54E+02	-7.43E-04	1.20E-04	4.84E-04
3.54E+02	-7.80E-04	1.29E-04	4.05E-04
3.54E+02	-7.65E-04	1.45E-04	2.73E-04
3.54E+02	-6.94E-04	1.96E-04	2.00E-04
3.54E+02	-5.61E-04	2.46E-04	8.70E-05
3.54E+02	-3.80E-04	2.79E-04	-3.34E-05
3.54E+02	-1.88E-04	2.97E-04	-5.40E-05
3.54E+02	4.31E-05	2.85E-04	-3.19E-05
3.54E+02	2.64E-04	2.35E-04	3.43E-06
3.54E+02	4.03E-04	1.18E-04	-3.76E-05
3.54E+02	5.03E-04	-3.43E-05	-1.17E-04
3.54E+02	5.81E-04	-1.38E-04	-8.60E-05
3.54E+02	6.26E-04	-2.28E-04	-3.64E-05

3.54E+02	6.31E-04	-3.07E-04	2.12E-05
3.54E+02	5.67E-04	-3.54E-04	1.15E-04
3.54E+02	5.09E-04	-3.94E-04	1.93E-04
3.54E+02	4.73E-04	-4.06E-04	2.98E-04
3.54E+02	3.94E-04	-4.39E-04	3.89E-04
3.54E+02	3.22E-04	-5.01E-04	4.78E-04
3.54E+02	2.66E-04	-5.33E-04	6.02E-04
3.54E+02	2.21E-04	-5.65E-04	6.33E-04
3.54E+02	1.67E-04	-5.81E-04	5.65E-04
3.54E+02	6.07E-05	-5.47E-04	5.08E-04
3.54E+02	-3.13E-05	-4.60E-04	5.07E-04
3.54E+02	-1.19E-04	-3.38E-04	5.49E-04
3.54E+02	-2.46E-04	-2.59E-04	5.45E-04
3.54E+02	-3.69E-04	-2.41E-04	4.85E-04
3.54E+02	-4.68E-04	-2.46E-04	4.58E-04
3.54E+02	-5.41E-04	-2.85E-04	4.47E-04
3.54E+02	-6.36E-04	-3.72E-04	3.89E-04
3.54E+02	-7.61E-04	-4.81E-04	3.07E-04
3.54E+02	-8.30E-04	-5.73E-04	1.96E-04
3.54E+02	-8.56E-04	-6.24E-04	8.35E-05
3.54E+02	-8.93E-04	-6.79E-04	-2.57E-05
3.54E+02	-9.06E-04	-7.42E-04	-1.27E-04
3.54E+02	-8.82E-04	-7.80E-04	-1.21E-04
3.54E+02	-8.25E-04	-8.50E-04	-8.35E-05
3.54E+02	-7.48E-04	-9.51E-04	-4.43E-05
3.54E+02	-6.89E-04	-1.04E-03	5.63E-05
3.54E+02	-5.78E-04	-1.10E-03	1.62E-04
3.54E+02	-4.08E-04	-1.09E-03	3.02E-04
3.55E+02	-2.54E-04	-1.05E-03	4.11E-04
3.55E+02	-8.79E-05	-1.02E-03	4.34E-04
3.55E+02	9.88E-05	-9.57E-04	5.00E-04
3.55E+02	2.86E-04	-8.82E-04	5.61E-04
3.55E+02	4.46E-04	-8.22E-04	5.77E-04
3.55E+02	5.48E-04	-7.43E-04	6.31E-04
3.55E+02	6.39E-04	-6.57E-04	6.62E-04
3.55E+02	7.23E-04	-5.61E-04	6.77E-04
3.55E+02	7.57E-04	-4.29E-04	6.69E-04
3.55E+02	7.58E-04	-3.08E-04	5.90E-04
3.55E+02	7.60E-04	-1.62E-04	5.61E-04
3.55E+02	7.65E-04	-4.96E-06	5.23E-04
3.55E+02	7.59E-04	1.03E-04	3.65E-04
3.55E+02	7.30E-04	2.02E-04	2.03E-04
3.55E+02	6.89E-04	3.03E-04	7.27E-05
3.55E+02	6.39E-04	4.04E-04	-3.51E-05
3.55E+02	5.18E-04	4.78E-04	-1.64E-04
3.55E+02	3.35E-04	5.13E-04	-3.35E-04
3.55E+02	1.43E-04	5.69E-04	-3.93E-04

3.55E+02	-5.84E-05	6.28E-04	-3.57E-04
3.55E+02	-2.61E-04	6.50E-04	-3.02E-04
3.55E+02	-4.67E-04	6.46E-04	-1.61E-04
3.55E+02	-6.28E-04	6.13E-04	3.62E-06
3.55E+02	-7.08E-04	5.59E-04	1.48E-04
3.55E+02	-7.68E-04	4.77E-04	2.44E-04
3.55E+02	-7.90E-04	3.66E-04	2.59E-04
3.55E+02	-7.32E-04	2.70E-04	3.26E-04
3.55E+02	-6.22E-04	1.43E-04	4.27E-04
3.55E+02	-4.73E-04	-6.33E-05	4.44E-04
3.55E+02	-3.38E-04	-3.10E-04	4.26E-04
3.55E+02	-1.93E-04	-5.55E-04	3.99E-04
3.55E+02	8.39E-06	-7.55E-04	3.64E-04
3.55E+02	1.84E-04	-9.18E-04	2.84E-04
3.55E+02	3.25E-04	-1.07E-03	1.22E-04
3.55E+02	4.60E-04	-1.16E-03	-9.73E-06
3.55E+02	5.57E-04	-1.19E-03	-9.40E-05
3.55E+02	5.99E-04	-1.20E-03	-1.85E-04
3.55E+02	5.60E-04	-1.18E-03	-2.34E-04
3.55E+02	4.77E-04	-1.12E-03	-2.51E-04
3.55E+02	3.92E-04	-1.03E-03	-2.48E-04
3.55E+02	2.44E-04	-9.32E-04	-2.45E-04
3.55E+02	6.85E-05	-8.67E-04	-2.97E-04
3.55E+02	-7.69E-05	-7.80E-04	-2.90E-04
3.55E+02	-1.93E-04	-6.99E-04	-2.41E-04
3.55E+02	-2.62E-04	-6.67E-04	-2.61E-04
3.55E+02	-3.34E-04	-6.65E-04	-2.57E-04
3.55E+02	-3.88E-04	-6.84E-04	-2.34E-04
3.55E+02	-3.65E-04	-6.65E-04	-2.28E-04
3.55E+02	-3.33E-04	-6.35E-04	-2.18E-04
3.55E+02	-3.13E-04	-6.45E-04	-2.65E-04
3.55E+02	-2.80E-04	-6.34E-04	-2.91E-04
3.55E+02	-2.49E-04	-5.94E-04	-2.46E-04
3.55E+02	-2.60E-04	-5.52E-04	-2.33E-04
3.55E+02	-3.43E-04	-4.98E-04	-1.94E-04
3.55E+02	-4.56E-04	-4.45E-04	-1.10E-04
3.55E+02	-5.52E-04	-4.03E-04	-1.53E-05
3.55E+02	-6.55E-04	-3.84E-04	1.34E-04
3.55E+02	-7.61E-04	-4.19E-04	2.46E-04
3.55E+02	-8.17E-04	-4.88E-04	3.40E-04
3.55E+02	-8.24E-04	-5.70E-04	4.63E-04
3.55E+02	-7.87E-04	-6.78E-04	4.98E-04
3.55E+02	-7.40E-04	-7.97E-04	5.00E-04
3.55E+02	-6.93E-04	-9.08E-04	5.05E-04
3.55E+02	-5.80E-04	-9.82E-04	4.89E-04
3.55E+02	-4.68E-04	-1.03E-03	4.81E-04
3.55E+02	-3.84E-04	-1.11E-03	3.91E-04

3.55E+02	-2.56E-04	-1.17E-03	2.95E-04
3.55E+02	-1.03E-04	-1.17E-03	2.81E-04
3.55E+02	5.61E-05	-1.14E-03	2.37E-04
3.55E+02	1.77E-04	-1.07E-03	1.55E-04
3.55E+02	2.46E-04	-9.67E-04	2.06E-05
3.55E+02	3.20E-04	-8.33E-04	-1.20E-04
3.55E+02	3.25E-04	-6.61E-04	-2.20E-04
3.55E+02	2.52E-04	-5.16E-04	-3.59E-04
3.55E+02	1.53E-04	-3.68E-04	-4.33E-04
3.55E+02	2.88E-05	-2.01E-04	-3.93E-04
3.55E+02	-8.34E-05	-4.77E-05	-3.43E-04
3.55E+02	-2.49E-04	7.08E-05	-2.71E-04
3.55E+02	-4.57E-04	1.65E-04	-1.50E-04
3.55E+02	-6.09E-04	2.73E-04	9.54E-06
3.55E+02	-7.75E-04	3.54E-04	1.43E-04
3.55E+02	-9.55E-04	3.81E-04	1.76E-04
3.55E+02	-1.09E-03	3.86E-04	2.05E-04
3.55E+02	-1.20E-03	3.78E-04	2.90E-04
3.55E+02	-1.29E-03	3.28E-04	3.47E-04
3.55E+02	-1.39E-03	2.24E-04	3.80E-04
3.55E+02	-1.48E-03	9.65E-05	3.97E-04
3.55E+02	-1.48E-03	-1.77E-05	3.77E-04
3.55E+02	-1.43E-03	-1.08E-04	3.37E-04
3.55E+02	-1.36E-03	-1.86E-04	2.16E-04
3.55E+02	-1.24E-03	-2.09E-04	6.77E-05
3.55E+02	-1.06E-03	-1.71E-04	-5.15E-06
3.55E+02	-8.69E-04	-1.41E-04	-6.98E-05
3.55E+02	-6.97E-04	-1.35E-04	-8.96E-05
3.55E+02	-5.68E-04	-1.38E-04	-1.14E-05
3.55E+02	-4.25E-04	-1.24E-04	1.52E-04
3.55E+02	-3.13E-04	-1.01E-04	3.65E-04
3.55E+02	-2.71E-04	-1.07E-04	4.89E-04
3.55E+02	-2.22E-04	-1.12E-04	5.69E-04
3.55E+02	-1.67E-04	-9.00E-05	6.55E-04
3.55E+02	-1.29E-04	-6.92E-05	6.36E-04
3.55E+02	-9.71E-05	-6.39E-05	5.50E-04
3.55E+02	-6.71E-05	-8.39E-05	4.57E-04
3.55E+02	1.58E-05	-1.27E-04	3.81E-04
3.55E+02	1.21E-04	-1.79E-04	3.63E-04
3.55E+02	1.95E-04	-2.82E-04	3.33E-04
3.55E+02	2.66E-04	-4.09E-04	2.90E-04
3.55E+02	3.31E-04	-4.99E-04	2.70E-04
3.55E+02	3.73E-04	-5.95E-04	1.80E-04
3.55E+02	3.52E-04	-6.73E-04	6.87E-05
3.55E+02	2.50E-04	-7.09E-04	3.03E-05
3.55E+02	1.42E-04	-7.07E-04	4.27E-05
3.55E+02	2.98E-05	-6.48E-04	1.25E-04

3.55E+02	-1.33E-04	-6.31E-04	1.48E-04
3.55E+02	-2.65E-04	-6.56E-04	1.23E-04
3.55E+02	-3.21E-04	-6.39E-04	1.85E-04
3.55E+02	-3.45E-04	-6.49E-04	1.73E-04
3.55E+02	-3.67E-04	-6.67E-04	1.13E-04
3.55E+02	-4.07E-04	-6.72E-04	9.00E-05
3.55E+02	-4.18E-04	-6.89E-04	3.59E-05
3.55E+02	-4.19E-04	-6.81E-04	1.51E-05
3.55E+02	-4.82E-04	-6.94E-04	-2.14E-05
3.55E+02	-5.38E-04	-7.27E-04	-7.04E-05
3.55E+02	-5.61E-04	-7.25E-04	-2.86E-05
3.55E+02	-5.71E-04	-7.40E-04	-2.48E-06
3.55E+02	-5.67E-04	-7.74E-04	-8.01E-06
3.55E+02	-5.91E-04	-7.98E-04	6.48E-06
3.55E+02	-5.85E-04	-8.14E-04	1.98E-05
3.55E+02	-5.54E-04	-8.16E-04	6.56E-05
3.55E+02	-5.80E-04	-8.54E-04	5.99E-05
3.55E+02	-5.96E-04	-9.12E-04	8.01E-06
3.55E+02	-6.02E-04	-9.51E-04	1.20E-05
3.55E+02	-6.19E-04	-9.97E-04	-2.02E-05
3.55E+02	-6.25E-04	-1.03E-03	-7.72E-05
3.55E+02	-6.70E-04	-1.05E-03	-1.02E-04
3.55E+02	-6.97E-04	-1.05E-03	-1.34E-04
3.55E+02	-6.93E-04	-9.86E-04	-1.37E-04
3.55E+02	-7.23E-04	-9.14E-04	-1.74E-04
3.55E+02	-7.57E-04	-8.06E-04	-2.31E-04
3.55E+02	-7.76E-04	-6.26E-04	-1.83E-04
3.55E+02	-7.74E-04	-4.55E-04	-1.36E-04
3.55E+02	-7.62E-04	-3.07E-04	-1.27E-04
3.55E+02	-7.86E-04	-1.74E-04	-5.91E-05
3.55E+02	-7.74E-04	-3.41E-05	6.01E-05
3.55E+02	-7.00E-04	1.50E-04	2.07E-04
3.55E+02	-6.57E-04	2.90E-04	2.77E-04
3.55E+02	-6.05E-04	3.81E-04	2.59E-04
3.55E+02	-5.22E-04	4.63E-04	2.66E-04
3.55E+02	-4.39E-04	4.95E-04	2.46E-04
3.55E+02	-3.91E-04	4.75E-04	1.68E-04
3.55E+02	-4.04E-04	4.09E-04	9.99E-05
3.55E+02	-3.91E-04	3.33E-04	4.79E-05
3.55E+02	-3.52E-04	2.58E-04	2.46E-05
3.55E+02	-3.28E-04	1.65E-04	2.50E-05
3.55E+02	-2.69E-04	7.08E-05	1.64E-05
3.55E+02	-1.96E-04	-2.69E-05	5.13E-05
3.55E+02	-1.16E-04	-1.59E-04	4.04E-05
3.55E+02	-4.31E-05	-3.33E-04	-8.35E-05
3.55E+02	-3.83E-05	-5.18E-04	-1.96E-04
3.55E+02	-3.81E-05	-6.95E-04	-2.85E-04

3.55E+02	-1.81E-05	-8.36E-04	-3.16E-04
3.55E+02	-6.16E-05	-9.73E-04	-3.17E-04
3.55E+02	-1.20E-04	-1.12E-03	-3.34E-04
3.55E+02	-1.33E-04	-1.20E-03	-2.29E-04
3.55E+02	-1.27E-04	-1.25E-03	-5.82E-05
3.55E+02	-1.35E-04	-1.27E-03	6.05E-05
3.55E+02	-1.94E-04	-1.25E-03	1.42E-04
3.55E+02	-2.46E-04	-1.21E-03	1.68E-04
3.55E+02	-2.63E-04	-1.14E-03	1.58E-04
3.55E+02	-2.96E-04	-1.06E-03	1.21E-04
3.55E+02	-3.37E-04	-1.02E-03	2.52E-05
3.55E+02	-3.50E-04	-9.49E-04	-3.95E-05
3.55E+02	-3.11E-04	-8.41E-04	-6.81E-05
3.55E+02	-2.43E-04	-7.48E-04	-1.26E-04
3.55E+02	-1.90E-04	-6.52E-04	-1.21E-04
3.55E+02	-1.06E-04	-5.37E-04	-5.95E-05
3.55E+02	1.41E-05	-3.99E-04	-5.53E-06
3.55E+02	8.30E-05	-2.93E-04	-3.43E-05
3.55E+02	1.23E-04	-2.49E-04	-1.74E-04
3.55E+02	1.77E-04	-1.86E-04	-2.49E-04
3.55E+02	2.12E-04	-1.22E-04	-2.68E-04
3.55E+02	2.22E-04	-1.09E-04	-2.74E-04
3.55E+02	1.67E-04	-1.36E-04	-2.05E-04
3.55E+02	8.39E-05	-2.08E-04	-1.40E-04
3.55E+02	2.31E-05	-2.87E-04	-8.35E-05
3.55E+02	-7.67E-05	-3.68E-04	-6.77E-05
3.55E+02	-1.91E-04	-4.55E-04	-1.26E-04
3.55E+02	-2.82E-04	-4.84E-04	-1.28E-04
3.55E+02	-3.50E-04	-4.74E-04	-9.52E-05
3.55E+02	-3.99E-04	-4.59E-04	-1.11E-04
3.55E+02	-4.78E-04	-4.34E-04	-1.26E-04
3.55E+02	-5.41E-04	-4.10E-04	-1.11E-04
3.55E+02	-5.47E-04	-3.66E-04	-3.70E-05
3.55E+02	-5.64E-04	-3.56E-04	3.19E-05
3.55E+02	-5.79E-04	-4.17E-04	1.56E-05
3.55E+02	-5.54E-04	-4.58E-04	5.34E-06
3.55E+02	-4.88E-04	-4.73E-04	1.91E-06
3.55E+02	-4.07E-04	-4.61E-04	-7.46E-05
3.55E+02	-3.66E-04	-4.11E-04	-1.90E-04
3.55E+02	-3.23E-04	-3.54E-04	-3.47E-04
3.56E+02	-2.23E-04	-2.72E-04	-5.09E-04
3.56E+02	-1.20E-04	-1.91E-04	-6.16E-04
3.56E+02	-4.20E-05	-1.31E-04	-7.13E-04
3.56E+02	3.74E-05	-5.07E-05	-7.33E-04
3.56E+02	1.10E-04	3.28E-05	-6.73E-04
3.56E+02	1.51E-04	8.20E-05	-6.70E-04
3.56E+02	1.07E-04	1.12E-04	-6.59E-04

3.56E+02	-9.73E-06	1.47E-04	-5.99E-04
3.56E+02	-1.30E-04	2.17E-04	-5.25E-04
3.56E+02	-2.82E-04	2.69E-04	-4.61E-04
3.56E+02	-4.60E-04	2.52E-04	-4.66E-04
3.56E+02	-5.88E-04	2.20E-04	-4.53E-04
3.56E+02	-6.47E-04	1.79E-04	-3.85E-04
3.56E+02	-6.48E-04	1.16E-04	-3.15E-04
3.56E+02	-6.50E-04	3.11E-05	-2.10E-04
3.56E+02	-6.45E-04	-8.62E-05	-1.24E-04
3.56E+02	-5.79E-04	-1.92E-04	-4.43E-05
3.56E+02	-5.03E-04	-2.91E-04	8.49E-05
3.56E+02	-4.39E-04	-4.04E-04	1.46E-04
3.56E+02	-3.47E-04	-4.68E-04	1.68E-04
3.56E+02	-2.27E-04	-4.59E-04	1.84E-04
3.56E+02	-8.79E-05	-4.02E-04	7.82E-05
3.56E+02	2.67E-05	-3.18E-04	-6.14E-05
3.56E+02	1.10E-04	-2.32E-04	-1.75E-04
3.56E+02	2.22E-04	-1.29E-04	-2.62E-04
3.56E+02	2.97E-04	-1.72E-05	-3.09E-04
3.56E+02	2.90E-04	3.19E-05	-4.36E-04
3.56E+02	2.70E-04	7.17E-05	-5.31E-04
3.56E+02	2.39E-04	1.63E-04	-5.02E-04
3.56E+02	2.06E-04	2.53E-04	-4.67E-04
3.56E+02	1.56E-04	3.54E-04	-3.78E-04
3.56E+02	1.01E-04	4.74E-04	-2.32E-04
3.56E+02	1.34E-04	5.89E-04	-8.05E-05
3.56E+02	2.00E-04	6.88E-04	6.69E-05
3.56E+02	2.54E-04	7.21E-04	1.36E-04
3.56E+02	3.46E-04	7.26E-04	1.96E-04
3.56E+02	4.46E-04	7.14E-04	2.75E-04
3.56E+02	5.42E-04	6.56E-04	2.72E-04
3.56E+02	6.05E-04	6.07E-04	2.60E-04
3.56E+02	6.09E-04	5.65E-04	2.91E-04
3.56E+02	6.45E-04	5.48E-04	3.44E-04
3.56E+02	6.67E-04	5.45E-04	3.93E-04
3.56E+02	6.36E-04	4.97E-04	3.38E-04
3.56E+02	6.58E-04	4.73E-04	2.44E-04
3.56E+02	7.17E-04	4.82E-04	1.96E-04
3.56E+02	7.93E-04	4.69E-04	1.20E-04
3.56E+02	8.47E-04	4.33E-04	2.65E-05
3.56E+02	8.51E-04	3.69E-04	-7.34E-05
3.56E+02	8.84E-04	3.14E-04	-2.07E-04
3.56E+02	9.04E-04	2.88E-04	-3.23E-04
3.56E+02	8.54E-04	2.53E-04	-4.42E-04
3.56E+02	7.92E-04	2.39E-04	-5.06E-04
3.56E+02	7.53E-04	2.52E-04	-4.32E-04
3.56E+02	7.45E-04	2.45E-04	-3.32E-04

3.56E+02	7.29E-04	2.17E-04	-1.99E-04
3.56E+02	6.84E-04	1.72E-04	-4.39E-06
3.56E+02	6.71E-04	1.41E-04	1.81E-04
3.56E+02	6.52E-04	1.35E-04	3.51E-04
3.56E+02	5.64E-04	1.21E-04	3.96E-04
3.56E+02	4.76E-04	1.40E-04	3.32E-04
3.56E+02	4.05E-04	2.08E-04	2.62E-04
3.56E+02	3.49E-04	2.96E-04	1.51E-04
3.56E+02	2.94E-04	3.90E-04	7.53E-05
3.56E+02	2.20E-04	4.49E-04	3.24E-05
3.56E+02	2.06E-04	4.83E-04	-4.56E-05
3.56E+02	2.19E-04	5.08E-04	-1.10E-04
3.56E+02	1.96E-04	4.84E-04	-2.17E-04
3.56E+02	1.81E-04	4.43E-04	-3.48E-04
3.56E+02	1.70E-04	4.23E-04	-4.35E-04
3.56E+02	1.81E-04	3.81E-04	-5.53E-04
3.56E+02	1.94E-04	3.27E-04	-6.56E-04
3.56E+02	1.70E-04	2.63E-04	-6.43E-04
3.56E+02	1.85E-04	1.81E-04	-5.44E-04
3.56E+02	2.16E-04	9.67E-05	-4.18E-04
3.56E+02	1.96E-04	-4.86E-05	-3.50E-04
3.56E+02	1.73E-04	-2.15E-04	-3.28E-04
3.56E+02	1.72E-04	-3.29E-04	-2.63E-04
3.56E+02	2.00E-04	-3.97E-04	-2.18E-04
3.56E+02	2.32E-04	-3.93E-04	-1.89E-04
3.56E+02	2.24E-04	-3.29E-04	-1.11E-04
3.56E+02	2.28E-04	-2.16E-04	-2.25E-05
3.56E+02	2.28E-04	-5.15E-05	8.49E-05
3.56E+02	1.62E-04	9.37E-05	1.42E-04
3.56E+02	8.39E-05	2.32E-04	1.42E-04
3.56E+02	3.11E-05	4.22E-04	2.04E-04
3.56E+02	-1.89E-05	6.05E-04	2.28E-04
3.56E+02	-6.29E-05	7.94E-04	1.98E-04
3.56E+02	-1.01E-04	1.01E-03	2.12E-04
3.56E+02	-1.13E-04	1.20E-03	2.33E-04
3.56E+02	-1.03E-04	1.37E-03	2.74E-04
3.56E+02	-1.24E-04	1.46E-03	2.49E-04
3.56E+02	-1.45E-04	1.44E-03	1.12E-04
3.56E+02	-1.43E-04	1.40E-03	-4.77E-06
3.56E+02	-1.40E-04	1.32E-03	-1.48E-04
3.56E+02	-1.53E-04	1.20E-03	-3.01E-04
3.56E+02	-2.09E-04	1.08E-03	-3.76E-04
3.56E+02	-2.45E-04	9.66E-04	-4.05E-04
3.56E+02	-2.39E-04	8.79E-04	-3.51E-04
3.56E+02	-2.54E-04	7.90E-04	-2.72E-04
3.56E+02	-2.38E-04	6.78E-04	-2.20E-04
3.56E+02	-1.50E-04	5.84E-04	-1.28E-04

3.56E+02	-7.63E-06	4.76E-04	-8.34E-05
3.56E+02	1.88E-04	3.51E-04	-8.91E-05
3.56E+02	3.62E-04	2.22E-04	-9.16E-05
3.56E+02	5.46E-04	9.48E-05	-9.77E-05
3.56E+02	7.79E-04	3.13E-05	-2.59E-05
3.56E+02	9.43E-04	-2.77E-05	4.56E-05
3.56E+02	1.06E-03	-1.02E-04	5.99E-05
3.56E+02	1.16E-03	-1.15E-04	1.42E-04
3.56E+02	1.23E-03	-8.51E-05	2.20E-04
3.56E+02	1.26E-03	-1.18E-05	2.18E-04
3.56E+02	1.22E-03	1.02E-04	2.07E-04
3.56E+02	1.17E-03	2.23E-04	1.52E-04
3.56E+02	1.14E-03	3.66E-04	9.04E-05
3.56E+02	1.06E-03	4.87E-04	7.25E-05
3.56E+02	9.63E-04	5.51E-04	2.88E-05
3.56E+02	8.83E-04	5.97E-04	1.43E-05
3.56E+02	8.27E-04	6.05E-04	-3.62E-06
3.56E+02	7.99E-04	5.67E-04	-8.03E-05
3.56E+02	7.61E-04	5.02E-04	-9.75E-05
3.56E+02	7.39E-04	4.28E-04	-6.87E-05
3.56E+02	7.37E-04	4.05E-04	-3.60E-05
3.56E+02	6.89E-04	3.95E-04	-3.99E-05
3.56E+02	6.09E-04	3.71E-04	-1.07E-04
3.56E+02	5.51E-04	3.96E-04	-9.82E-05
3.56E+02	4.98E-04	4.49E-04	-3.93E-05
3.56E+02	4.29E-04	5.07E-04	-2.75E-05
3.56E+02	3.27E-04	5.69E-04	-1.11E-05
3.56E+02	2.17E-04	6.13E-04	-2.25E-05
3.56E+02	1.43E-04	6.52E-04	-5.38E-05
3.56E+02	4.94E-05	6.55E-04	-8.30E-05
3.56E+02	-7.72E-05	5.83E-04	-1.35E-04
3.56E+02	-1.62E-04	4.91E-04	-4.98E-05
3.56E+02	-2.16E-04	3.90E-04	1.33E-04
3.56E+02	-2.62E-04	2.64E-04	2.45E-04
3.56E+02	-3.21E-04	1.68E-04	3.61E-04
3.56E+02	-3.68E-04	1.23E-04	4.54E-04
3.56E+02	-3.80E-04	1.30E-04	4.81E-04
3.56E+02	-4.24E-04	1.63E-04	4.48E-04
3.56E+02	-4.72E-04	1.94E-04	3.02E-04
3.56E+02	-4.78E-04	2.49E-04	1.84E-04
3.56E+02	-4.57E-04	2.99E-04	1.34E-04
3.56E+02	-4.02E-04	3.07E-04	7.38E-05
3.56E+02	-3.56E-04	3.00E-04	6.96E-05
3.56E+02	-2.93E-04	2.66E-04	6.75E-05
3.56E+02	-1.57E-04	2.45E-04	6.90E-05
3.56E+02	-4.48E-05	2.55E-04	9.21E-05
3.56E+02	3.99E-05	2.57E-04	1.58E-05

3.56E+02	1.60E-04	3.21E-04	-5.70E-05
3.56E+02	2.61E-04	4.23E-04	-1.04E-04
3.56E+02	3.53E-04	4.97E-04	-2.21E-04
3.56E+02	4.07E-04	5.57E-04	-3.19E-04
3.56E+02	4.07E-04	5.89E-04	-3.72E-04
3.56E+02	4.39E-04	6.31E-04	-3.84E-04
3.56E+02	4.45E-04	6.70E-04	-3.71E-04
3.56E+02	4.15E-04	6.77E-04	-3.76E-04
3.56E+02	4.11E-04	7.25E-04	-3.17E-04
3.56E+02	4.11E-04	8.13E-04	-2.09E-04
3.56E+02	4.09E-04	9.01E-04	-1.34E-04
3.56E+02	3.63E-04	9.71E-04	-7.19E-05
3.56E+02	3.07E-04	9.79E-04	-2.65E-05
3.56E+02	3.12E-04	9.51E-04	2.80E-05
3.56E+02	3.09E-04	8.79E-04	1.01E-04
3.56E+02	2.53E-04	7.29E-04	1.13E-04
3.56E+02	1.75E-04	5.81E-04	1.21E-04
3.56E+02	8.89E-05	4.48E-04	1.30E-04
3.56E+02	1.07E-05	3.16E-04	7.32E-05
3.56E+02	-1.03E-04	2.29E-04	7.59E-05
3.56E+02	-2.31E-04	2.00E-04	1.58E-04
3.56E+02	-2.69E-04	2.34E-04	2.66E-04
3.56E+02	-2.66E-04	2.85E-04	3.88E-04
3.56E+02	-2.47E-04	2.84E-04	4.18E-04
3.56E+02	-1.44E-04	2.49E-04	4.16E-04
3.56E+02	-5.53E-06	1.80E-04	4.18E-04
3.56E+02	1.59E-04	7.59E-05	3.60E-04
3.56E+02	3.15E-04	-1.91E-05	3.16E-04
3.56E+02	4.07E-04	-9.75E-05	2.57E-04
3.56E+02	5.07E-04	-1.39E-04	1.78E-04
3.56E+02	5.61E-04	-1.49E-04	9.92E-05
3.56E+02	5.39E-04	-1.64E-04	-3.93E-05
3.56E+02	5.11E-04	-1.50E-04	-1.30E-04
3.56E+02	4.76E-04	-1.06E-04	-1.27E-04
3.56E+02	4.63E-04	-6.45E-05	-1.69E-04
3.56E+02	4.34E-04	-4.10E-05	-2.23E-04
3.56E+02	3.72E-04	-2.77E-05	-2.27E-04
3.56E+02	3.52E-04	9.35E-06	-2.27E-04
3.56E+02	3.09E-04	4.81E-05	-2.43E-04
3.56E+02	2.17E-04	5.97E-05	-3.18E-04
3.56E+02	1.45E-04	7.78E-05	-3.51E-04
3.56E+02	9.54E-05	1.26E-04	-2.54E-04
3.56E+02	8.18E-05	1.93E-04	-1.39E-04
3.56E+02	7.95E-05	2.78E-04	-5.53E-06
3.56E+02	8.56E-05	3.80E-04	1.07E-04
3.56E+02	1.65E-04	4.90E-04	1.43E-04
3.56E+02	2.59E-04	5.92E-04	1.40E-04

3.56E+02	3.20E-04	6.55E-04	4.23E-05
3.56E+02	4.10E-04	7.14E-04	-5.76E-05
3.56E+02	5.08E-04	7.74E-04	-8.64E-05
3.56E+02	6.05E-04	7.90E-04	-1.36E-04
3.56E+02	6.94E-04	7.70E-04	-1.51E-04
3.57E+02	7.21E-04	7.24E-04	-1.24E-04
3.57E+02	7.42E-04	6.83E-04	-9.77E-05
3.57E+02	7.31E-04	6.37E-04	-7.76E-05
3.57E+02	6.44E-04	5.59E-04	-1.33E-04
3.57E+02	5.45E-04	4.90E-04	-1.72E-04
3.57E+02	4.38E-04	4.58E-04	-1.13E-04
3.57E+02	3.33E-04	4.50E-04	-5.09E-05
3.57E+02	2.04E-04	4.65E-04	1.83E-05
3.57E+02	4.86E-05	4.97E-04	9.23E-05
3.57E+02	-3.99E-05	5.41E-04	1.43E-04
3.57E+02	-8.68E-05	6.03E-04	2.29E-04
3.57E+02	-1.38E-04	6.35E-04	2.86E-04
3.57E+02	-1.68E-04	6.34E-04	3.02E-04
3.57E+02	-1.88E-04	6.35E-04	3.44E-04
3.57E+02	-1.75E-04	6.14E-04	3.29E-04
3.57E+02	-1.58E-04	5.86E-04	2.73E-04
3.57E+02	-1.82E-04	5.69E-04	2.55E-04
3.57E+02	-1.73E-04	5.64E-04	2.24E-04
3.57E+02	-1.62E-04	5.70E-04	1.68E-04
3.57E+02	-2.18E-04	5.26E-04	2.17E-05
3.57E+02	-2.77E-04	4.38E-04	-1.93E-04
3.57E+02	-3.26E-04	3.73E-04	-3.25E-04
3.57E+02	-3.68E-04	3.17E-04	-4.26E-04
3.57E+02	-4.08E-04	2.70E-04	-4.80E-04
3.57E+02	-4.67E-04	2.49E-04	-4.28E-04
3.57E+02	-4.45E-04	2.33E-04	-3.51E-04
3.57E+02	-3.56E-04	2.23E-04	-2.54E-04
3.57E+02	-2.74E-04	1.90E-04	-2.20E-04
3.57E+02	-1.53E-04	1.50E-04	-2.45E-04
3.57E+02	-1.91E-06	1.57E-04	-1.99E-04
3.57E+02	1.74E-04	1.62E-04	-1.65E-04
3.57E+02	3.45E-04	1.53E-04	-1.46E-04
3.57E+02	4.47E-04	1.47E-04	-7.67E-05
3.57E+02	5.32E-04	1.44E-04	-3.81E-07
3.57E+02	5.99E-04	1.55E-04	9.35E-05
3.57E+02	5.93E-04	1.49E-04	1.35E-04
3.57E+02	5.66E-04	1.34E-04	1.02E-04
3.57E+02	5.54E-04	1.46E-04	8.03E-05
3.57E+02	5.60E-04	1.62E-04	-3.81E-07
3.57E+02	5.64E-04	1.84E-04	-1.34E-04
3.57E+02	5.32E-04	2.15E-04	-2.53E-04
3.57E+02	5.20E-04	2.52E-04	-3.97E-04

3.57E+02	5.38E-04	2.92E-04	-4.98E-04
3.57E+02	5.09E-04	2.89E-04	-5.57E-04
3.57E+02	4.69E-04	2.49E-04	-6.06E-04
3.57E+02	4.46E-04	2.10E-04	-5.72E-04
3.57E+02	4.08E-04	1.50E-04	-5.57E-04
3.57E+02	3.57E-04	9.92E-05	-5.63E-04
3.57E+02	2.56E-04	7.40E-05	-5.01E-04
3.57E+02	1.69E-04	9.17E-05	-3.83E-04
3.57E+02	1.44E-04	1.98E-04	-1.91E-04
3.57E+02	1.03E-04	2.93E-04	-3.17E-05
3.57E+02	7.74E-05	3.46E-04	6.54E-05
3.57E+02	1.11E-04	3.98E-04	2.04E-04
3.57E+02	1.88E-04	4.11E-04	3.19E-04
3.57E+02	2.80E-04	3.95E-04	3.84E-04
3.57E+02	3.41E-04	3.58E-04	4.33E-04
3.57E+02	4.15E-04	3.31E-04	4.35E-04
3.57E+02	5.14E-04	3.69E-04	4.47E-04
3.57E+02	5.84E-04	4.30E-04	4.45E-04
3.57E+02	6.40E-04	4.91E-04	3.77E-04
3.57E+02	6.94E-04	5.55E-04	3.39E-04
3.57E+02	7.41E-04	5.88E-04	2.95E-04
3.57E+02	7.66E-04	5.91E-04	2.07E-04
3.57E+02	7.19E-04	5.66E-04	1.50E-04
3.57E+02	6.61E-04	5.27E-04	1.34E-04
3.57E+02	6.27E-04	5.08E-04	1.70E-04
3.57E+02	5.50E-04	4.64E-04	1.83E-04
3.57E+02	4.77E-04	3.85E-04	1.33E-04
3.57E+02	4.30E-04	3.55E-04	1.49E-04
3.57E+02	3.94E-04	3.67E-04	1.78E-04
3.57E+02	3.71E-04	3.82E-04	1.72E-04
3.57E+02	3.00E-04	4.08E-04	2.34E-04
3.57E+02	2.13E-04	4.08E-04	2.68E-04
3.57E+02	1.42E-04	3.94E-04	2.45E-04
3.57E+02	4.12E-05	3.91E-04	2.14E-04
3.57E+02	-5.97E-05	3.78E-04	1.29E-04
3.57E+02	-1.36E-04	3.90E-04	1.21E-04
3.57E+02	-1.82E-04	4.22E-04	1.69E-04
3.57E+02	-1.86E-04	4.36E-04	1.54E-04
3.57E+02	-2.12E-04	4.26E-04	1.57E-04
3.57E+02	-2.28E-04	4.02E-04	1.94E-04
3.57E+02	-1.88E-04	3.83E-04	2.84E-04
3.57E+02	-1.71E-04	3.42E-04	3.52E-04
3.57E+02	-1.65E-04	2.86E-04	3.23E-04
3.57E+02	-1.50E-04	2.78E-04	3.15E-04
3.57E+02	-1.38E-04	3.14E-04	2.68E-04
3.57E+02	-1.28E-04	3.87E-04	1.36E-04
3.57E+02	-1.76E-04	4.97E-04	2.38E-05

3.57E+02	-2.25E-04	5.97E-04	-8.98E-05
3.57E+02	-2.29E-04	6.94E-04	-1.56E-04
3.57E+02	-2.78E-04	7.54E-04	-1.61E-04
3.57E+02	-3.38E-04	7.29E-04	-1.92E-04
3.57E+02	-3.72E-04	6.98E-04	-1.40E-04
3.57E+02	-3.89E-04	6.78E-04	-3.26E-05
3.57E+02	-3.68E-04	6.38E-04	3.24E-06
3.57E+02	-3.54E-04	6.12E-04	3.49E-05
3.57E+02	-3.21E-04	6.13E-04	6.50E-05
3.57E+02	-2.36E-04	6.53E-04	9.42E-05
3.57E+02	-1.79E-04	6.91E-04	1.05E-04
3.57E+02	-1.46E-04	6.75E-04	4.25E-05
3.57E+02	-1.09E-04	6.48E-04	-7.63E-07
3.57E+02	-7.80E-05	6.15E-04	-4.06E-05
3.57E+02	-3.41E-05	5.78E-04	-1.18E-04
3.57E+02	-2.98E-05	5.64E-04	-1.57E-04
3.57E+02	-3.01E-05	5.68E-04	-1.66E-04
3.57E+02	3.93E-05	6.26E-04	-1.09E-04
3.57E+02	6.83E-05	6.97E-04	-2.90E-05
3.57E+02	5.47E-05	7.32E-04	-2.29E-05
3.57E+02	6.54E-05	7.76E-04	3.11E-05
3.57E+02	6.37E-05	7.83E-04	1.04E-04
3.57E+02	6.56E-05	7.38E-04	1.18E-04
3.57E+02	4.63E-05	6.87E-04	1.66E-04
3.57E+02	1.28E-05	6.27E-04	2.32E-04
3.57E+02	3.34E-05	5.87E-04	2.98E-04
3.57E+02	4.50E-05	5.50E-04	3.36E-04
3.57E+02	2.50E-05	4.68E-04	2.70E-04
3.57E+02	3.01E-05	3.79E-04	2.36E-04
3.57E+02	5.17E-05	3.17E-04	2.86E-04
3.57E+02	9.65E-05	2.55E-04	2.96E-04
3.57E+02	1.39E-04	1.83E-04	2.72E-04
3.57E+02	1.79E-04	1.12E-04	2.16E-04
3.57E+02	2.74E-04	6.37E-05	1.54E-04
3.57E+02	3.65E-04	4.14E-05	1.31E-04
3.57E+02	4.18E-04	9.92E-06	5.47E-05
3.57E+02	4.63E-04	-1.91E-06	-1.58E-05
3.57E+02	5.00E-04	3.45E-05	-2.40E-05
3.57E+02	5.17E-04	5.95E-05	-9.38E-05
3.57E+02	4.67E-04	7.63E-05	-1.65E-04
3.57E+02	3.75E-04	1.05E-04	-2.04E-04
3.57E+02	3.03E-04	1.60E-04	-2.50E-04
3.57E+02	1.98E-04	2.29E-04	-2.54E-04
3.57E+02	3.72E-05	2.32E-04	-2.87E-04
3.57E+02	-1.07E-04	2.04E-04	-2.86E-04
3.57E+02	-2.45E-04	1.69E-04	-2.14E-04
3.57E+02	-3.88E-04	1.07E-04	-2.16E-04

3.57E+02	-5.48E-04	5.05E-05	-2.35E-04
3.57E+02	-7.18E-04	-7.44E-06	-2.40E-04
3.57E+02	-8.09E-04	-2.46E-05	-2.13E-04
3.57E+02	-8.37E-04	2.67E-06	-1.28E-04
3.57E+02	-8.49E-04	1.45E-05	-1.11E-04
3.57E+02	-8.10E-04	3.45E-05	-8.39E-05
3.57E+02	-7.23E-04	5.13E-05	-1.09E-05
3.57E+02	-5.94E-04	3.47E-05	-1.56E-05
3.57E+02	-4.56E-04	-8.39E-06	-2.08E-05
3.57E+02	-3.37E-04	-5.87E-05	1.83E-05
3.57E+02	-1.83E-04	-7.02E-05	8.81E-05
3.57E+02	-6.43E-05	-6.60E-05	1.80E-04
3.57E+02	-1.66E-05	-7.40E-05	1.99E-04
3.57E+02	2.57E-05	-6.43E-05	2.09E-04
3.57E+02	1.89E-05	-5.25E-05	2.72E-04
3.57E+02	-1.47E-05	-5.32E-05	2.75E-04
3.57E+02	-6.33E-05	-5.47E-05	2.47E-04
3.57E+02	-1.47E-04	-5.74E-05	2.21E-04
3.57E+02	-1.73E-04	-4.08E-05	1.77E-04
3.57E+02	-1.81E-04	-1.91E-05	1.40E-04
3.57E+02	-2.32E-04	-3.32E-05	5.07E-05
3.57E+02	-2.68E-04	-4.63E-05	-3.87E-05
3.57E+02	-2.89E-04	-2.80E-05	-6.77E-05
3.57E+02	-2.89E-04	-9.54E-07	-1.43E-04
3.57E+02	-3.01E-04	3.24E-05	-2.12E-04
3.57E+02	-3.55E-04	9.10E-05	-2.09E-04
3.57E+02	-3.79E-04	1.83E-04	-1.91E-04
3.57E+02	-3.99E-04	2.77E-04	-1.52E-04
3.57E+02	-4.55E-04	3.34E-04	-1.53E-04
3.57E+02	-5.07E-04	3.50E-04	-1.79E-04
3.57E+02	-5.30E-04	3.48E-04	-1.23E-04
3.57E+02	-5.15E-04	3.08E-04	-7.25E-05
3.57E+02	-5.02E-04	2.16E-04	-4.65E-05
3.57E+02	-5.16E-04	9.42E-05	-2.80E-05
3.57E+02	-4.82E-04	-3.80E-05	-7.80E-05
3.57E+02	-4.12E-04	-1.44E-04	-1.17E-04
3.57E+02	-3.66E-04	-2.24E-04	-1.44E-04
3.57E+02	-3.07E-04	-2.73E-04	-1.32E-04
3.57E+02	-2.28E-04	-2.90E-04	-2.29E-05
3.57E+02	-1.27E-04	-3.15E-04	6.08E-05
3.57E+02	-3.40E-05	-3.44E-04	1.38E-04
3.57E+02	-5.34E-06	-3.74E-04	2.30E-04
3.57E+02	4.48E-05	-3.99E-04	2.78E-04
3.57E+02	1.01E-04	-4.20E-04	3.33E-04
3.57E+02	9.50E-05	-4.80E-04	3.36E-04
3.57E+02	9.78E-05	-5.63E-04	3.10E-04
3.57E+02	1.29E-04	-6.36E-04	3.49E-04

3.57E+02	1.75E-04	-7.00E-04	3.84E-04
3.57E+02	2.00E-04	-7.56E-04	4.12E-04
3.57E+02	1.91E-04	-7.91E-04	4.49E-04
3.57E+02	2.40E-04	-7.79E-04	4.41E-04
3.57E+02	3.25E-04	-7.10E-04	3.98E-04
3.57E+02	3.55E-04	-6.20E-04	2.66E-04
3.57E+02	3.84E-04	-5.00E-04	5.59E-05
3.57E+02	4.35E-04	-3.46E-04	-1.11E-04
3.57E+02	4.90E-04	-2.29E-04	-2.80E-04
3.57E+02	5.27E-04	-1.51E-04	-4.57E-04
3.57E+02	5.06E-04	-1.02E-04	-5.67E-04
3.57E+02	4.94E-04	-6.18E-05	-6.21E-04
3.57E+02	4.93E-04	-1.91E-07	-5.89E-04
3.57E+02	4.29E-04	2.63E-05	-5.50E-04
3.57E+02	3.62E-04	2.82E-05	-5.52E-04
3.57E+02	3.06E-04	4.33E-05	-4.95E-04
3.57E+02	2.46E-04	3.41E-05	-4.44E-04
3.58E+02	1.72E-04	-2.02E-05	-4.27E-04
3.58E+02	5.65E-05	-1.10E-04	-3.72E-04
3.58E+02	-9.35E-06	-2.21E-04	-2.98E-04
3.58E+02	-3.76E-05	-3.31E-04	-1.78E-04
3.58E+02	-1.03E-04	-4.53E-04	-4.71E-05
3.58E+02	-1.67E-04	-5.81E-04	6.10E-05
3.58E+02	-2.21E-04	-6.51E-04	2.45E-04
3.58E+02	-2.60E-04	-6.77E-04	3.73E-04
3.58E+02	-3.03E-04	-6.85E-04	3.65E-04
3.58E+02	-3.81E-04	-6.60E-04	3.37E-04
3.58E+02	-4.30E-04	-6.16E-04	2.80E-04
3.58E+02	-4.18E-04	-5.37E-04	2.49E-04
3.58E+02	-4.05E-04	-4.67E-04	2.32E-04
3.58E+02	-3.92E-04	-4.62E-04	1.85E-04
3.58E+02	-3.58E-04	-4.88E-04	2.09E-04
3.58E+02	-3.26E-04	-5.37E-04	2.12E-04
3.58E+02	-3.24E-04	-6.04E-04	1.37E-04
3.58E+02	-3.77E-04	-6.64E-04	2.98E-05
3.58E+02	-4.24E-04	-6.97E-04	-1.23E-04
3.58E+02	-4.29E-04	-6.71E-04	-2.48E-04
3.58E+02	-4.61E-04	-5.93E-04	-3.31E-04
3.58E+02	-5.00E-04	-4.90E-04	-3.87E-04
3.58E+02	-5.19E-04	-3.74E-04	-3.46E-04
3.58E+02	-5.40E-04	-3.00E-04	-2.87E-04
3.58E+02	-5.54E-04	-2.93E-04	-2.77E-04
3.58E+02	-6.09E-04	-3.32E-04	-2.64E-04
3.58E+02	-6.55E-04	-3.90E-04	-2.69E-04
3.58E+02	-6.24E-04	-3.84E-04	-2.54E-04
3.58E+02	-6.10E-04	-3.67E-04	-2.73E-04
3.58E+02	-5.85E-04	-3.56E-04	-3.40E-04

3.58E+02	-4.85E-04	-2.77E-04	-2.72E-04
3.58E+02	-3.52E-04	-2.10E-04	-1.45E-04
3.58E+02	-2.10E-04	-1.80E-04	-5.74E-05
3.58E+02	-1.16E-04	-2.13E-04	2.69E-05
3.58E+02	-2.92E-05	-3.20E-04	6.77E-05
3.58E+02	8.89E-05	-4.09E-04	1.21E-04
3.58E+02	1.62E-04	-5.08E-04	1.76E-04
3.58E+02	2.11E-04	-6.23E-04	1.82E-04
3.58E+02	2.70E-04	-6.99E-04	2.26E-04
3.58E+02	3.27E-04	-7.51E-04	2.58E-04
3.58E+02	3.83E-04	-7.94E-04	2.21E-04
3.58E+02	3.98E-04	-8.44E-04	1.88E-04
3.58E+02	3.97E-04	-9.12E-04	1.49E-04
3.58E+02	4.04E-04	-9.77E-04	1.01E-04
3.58E+02	3.51E-04	-1.07E-03	4.10E-05
3.58E+02	2.58E-04	-1.19E-03	-5.89E-05
3.58E+02	1.67E-04	-1.28E-03	-9.50E-05
3.58E+02	7.59E-05	-1.34E-03	-8.64E-05
3.58E+02	-1.60E-05	-1.39E-03	-1.13E-04
3.58E+02	-1.47E-04	-1.42E-03	-1.26E-04
3.58E+02	-2.58E-04	-1.43E-03	-1.59E-04
3.58E+02	-2.91E-04	-1.40E-03	-2.00E-04
3.58E+02	-3.33E-04	-1.33E-03	-2.25E-04
3.58E+02	-3.81E-04	-1.26E-03	-2.78E-04
3.58E+02	-3.85E-04	-1.14E-03	-2.93E-04
3.58E+02	-3.74E-04	-1.00E-03	-2.91E-04
3.58E+02	-3.58E-04	-8.78E-04	-3.38E-04
3.58E+02	-3.84E-04	-7.52E-04	-3.55E-04
3.58E+02	-4.40E-04	-6.20E-04	-3.19E-04
3.58E+02	-4.55E-04	-4.70E-04	-2.72E-04
3.58E+02	-4.96E-04	-3.43E-04	-2.54E-04
3.58E+02	-5.55E-04	-3.00E-04	-2.90E-04
3.58E+02	-5.58E-04	-2.96E-04	-2.50E-04
3.58E+02	-5.22E-04	-3.25E-04	-1.10E-04
3.58E+02	-4.47E-04	-4.02E-04	3.24E-06
3.58E+02	-3.75E-04	-4.88E-04	8.26E-05
3.58E+02	-2.99E-04	-5.73E-04	1.03E-04
3.58E+02	-1.62E-04	-6.22E-04	9.38E-05
3.58E+02	-4.88E-05	-6.41E-04	8.96E-05
3.58E+02	1.95E-05	-6.86E-04	3.45E-05
3.58E+02	7.00E-05	-7.12E-04	3.45E-05
3.58E+02	7.86E-05	-7.20E-04	9.67E-05
3.58E+02	6.14E-05	-7.66E-04	1.05E-04
3.58E+02	-2.29E-05	-8.28E-04	1.38E-04
3.58E+02	-1.43E-04	-8.58E-04	2.30E-04
3.58E+02	-2.53E-04	-8.54E-04	3.43E-04
3.58E+02	-3.89E-04	-8.42E-04	4.47E-04

3.58E+02	-5.20E-04	-8.37E-04	4.34E-04
3.58E+02	-6.24E-04	-8.23E-04	3.55E-04
3.58E+02	-6.74E-04	-7.76E-04	3.17E-04
3.58E+02	-6.57E-04	-7.35E-04	3.00E-04
3.58E+02	-6.46E-04	-7.22E-04	3.24E-04
3.58E+02	-6.37E-04	-7.45E-04	3.56E-04
3.58E+02	-5.77E-04	-7.97E-04	3.76E-04
3.58E+02	-5.41E-04	-8.56E-04	4.06E-04
3.58E+02	-5.61E-04	-9.36E-04	3.81E-04
3.58E+02	-5.77E-04	-9.71E-04	3.67E-04
3.58E+02	-5.87E-04	-9.28E-04	3.83E-04
3.58E+02	-5.88E-04	-8.52E-04	3.23E-04
3.58E+02	-6.06E-04	-7.35E-04	2.94E-04
3.58E+02	-6.46E-04	-6.02E-04	3.50E-04
3.58E+02	-6.33E-04	-4.67E-04	4.17E-04
3.58E+02	-6.07E-04	-3.48E-04	4.49E-04
3.58E+02	-6.12E-04	-3.10E-04	3.52E-04
3.58E+02	-5.86E-04	-3.06E-04	2.25E-04
3.58E+02	-5.28E-04	-2.93E-04	1.57E-04
3.58E+02	-4.42E-04	-2.84E-04	6.54E-05
3.58E+02	-3.81E-04	-2.67E-04	-1.83E-05
3.58E+02	-3.79E-04	-2.42E-04	-8.35E-05
3.58E+02	-3.40E-04	-1.88E-04	-1.24E-04
3.58E+02	-3.29E-04	-1.51E-04	-1.43E-04
3.58E+02	-3.94E-04	-1.84E-04	-2.19E-04
3.58E+02	-4.51E-04	-2.26E-04	-2.86E-04
3.58E+02	-5.20E-04	-2.74E-04	-3.00E-04
3.58E+02	-5.80E-04	-3.40E-04	-3.45E-04
3.58E+02	-6.49E-04	-3.89E-04	-3.81E-04
3.58E+02	-7.34E-04	-3.93E-04	-3.35E-04
3.58E+02	-7.46E-04	-3.15E-04	-2.12E-04
3.58E+02	-7.47E-04	-2.00E-04	-2.48E-06
3.58E+02	-7.75E-04	-1.26E-04	1.57E-04
3.58E+02	-7.49E-04	-8.13E-05	2.33E-04
3.58E+02	-6.72E-04	-2.21E-05	3.27E-04
3.58E+02	-5.66E-04	4.39E-05	3.70E-04
3.58E+02	-4.61E-04	1.08E-04	4.14E-04
3.58E+02	-3.99E-04	1.88E-04	4.93E-04
3.58E+02	-3.11E-04	2.80E-04	5.26E-04
3.58E+02	-2.31E-04	3.79E-04	5.41E-04
3.58E+02	-2.06E-04	4.38E-04	4.96E-04
3.58E+02	-1.80E-04	4.48E-04	4.17E-04
3.58E+02	-1.49E-04	4.45E-04	3.78E-04
3.58E+02	-8.53E-05	3.89E-04	2.50E-04
3.58E+02	-6.10E-06	3.05E-04	7.44E-05
3.58E+02	6.85E-05	2.36E-04	-2.04E-05
3.58E+02	1.98E-04	1.79E-04	-7.38E-05

3.58E+02	3.37E-04	1.37E-04	-9.44E-05
3.58E+02	4.13E-04	5.63E-05	-1.67E-04
3.58E+02	4.57E-04	-4.50E-05	-2.88E-04
3.58E+02	4.95E-04	-1.16E-04	-3.39E-04
3.58E+02	4.97E-04	-1.85E-04	-4.03E-04
3.58E+02	4.61E-04	-2.12E-04	-4.25E-04
3.58E+02	3.88E-04	-1.97E-04	-3.51E-04
3.58E+02	3.18E-04	-1.85E-04	-2.88E-04
3.58E+02	2.58E-04	-1.53E-04	-1.74E-04
3.58E+02	1.66E-04	-1.32E-04	-6.48E-05
3.58E+02	1.02E-04	-1.14E-04	-1.03E-05
3.58E+02	7.06E-05	-6.20E-05	7.99E-05
3.58E+02	4.94E-05	-8.20E-06	1.07E-04
3.58E+02	2.35E-05	3.55E-05	4.94E-05
3.58E+02	-4.77E-05	6.58E-05	-1.62E-05
3.58E+02	-8.41E-05	1.14E-04	-5.59E-05
3.58E+02	-9.17E-05	1.92E-04	-1.09E-05
3.58E+02	-1.39E-04	2.23E-04	2.33E-05
3.58E+02	-1.80E-04	2.00E-04	3.22E-05
3.58E+02	-2.05E-04	1.81E-04	9.80E-05
3.58E+02	-2.15E-04	1.61E-04	9.90E-05
3.58E+02	-2.18E-04	1.37E-04	1.43E-05
3.58E+02	-2.78E-04	9.86E-05	-9.94E-05
3.58E+02	-3.34E-04	4.73E-05	-2.33E-04
3.58E+02	-3.56E-04	1.11E-05	-3.05E-04
3.58E+02	-4.27E-04	-4.43E-05	-3.54E-04
3.58E+02	-4.91E-04	-1.01E-04	-3.98E-04
3.58E+02	-5.21E-04	-1.21E-04	-3.72E-04
3.58E+02	-5.36E-04	-1.29E-04	-3.66E-04
3.58E+02	-5.14E-04	-1.01E-04	-3.88E-04
3.58E+02	-4.95E-04	-3.64E-05	-3.55E-04
3.58E+02	-4.31E-04	6.96E-05	-3.03E-04
3.58E+02	-3.17E-04	2.20E-04	-2.36E-04
3.58E+02	-2.45E-04	3.16E-04	-2.26E-04
3.58E+02	-1.77E-04	3.60E-04	-2.81E-04
3.58E+02	-8.07E-05	3.96E-04	-2.42E-04
3.58E+02	4.39E-06	4.02E-04	-1.78E-04
3.58E+02	5.68E-05	4.04E-04	-1.49E-04
3.58E+02	6.16E-05	3.90E-04	-9.61E-05
3.58E+02	7.04E-05	3.61E-04	-7.10E-05
3.58E+02	8.95E-05	3.30E-04	-7.69E-05
3.58E+02	5.95E-05	2.60E-04	-1.22E-04
3.58E+02	-4.01E-06	1.57E-04	-1.90E-04
3.58E+02	-5.86E-05	7.61E-05	-1.55E-04
3.58E+02	-8.41E-05	1.81E-05	-1.05E-04
3.58E+02	-1.15E-04	-6.85E-05	-1.25E-04
3.58E+02	-1.70E-04	-1.59E-04	-1.36E-04

3.58E+02	-1.86E-04	-2.24E-04	-1.56E-04
3.58E+02	-1.58E-04	-2.57E-04	-1.57E-04
3.58E+02	-1.48E-04	-2.61E-04	-1.79E-04
3.58E+02	-1.32E-04	-2.43E-04	-2.65E-04
3.58E+02	-6.92E-05	-1.65E-04	-2.75E-04
3.58E+02	1.85E-05	-4.54E-05	-2.36E-04
3.58E+02	1.15E-04	9.44E-05	-2.03E-04
3.58E+02	1.72E-04	2.46E-04	-1.25E-04
3.58E+02	2.34E-04	3.76E-04	-4.58E-05
3.58E+02	3.49E-04	5.04E-04	5.61E-05
3.58E+02	4.21E-04	5.80E-04	1.61E-04
3.58E+02	4.71E-04	5.78E-04	1.98E-04
3.58E+02	5.51E-04	5.77E-04	3.02E-04
3.58E+02	6.14E-04	5.54E-04	4.16E-04
3.58E+02	6.60E-04	4.92E-04	4.28E-04
3.58E+02	6.54E-04	4.25E-04	4.20E-04
3.58E+02	6.22E-04	3.64E-04	3.66E-04
3.58E+02	6.07E-04	3.49E-04	3.14E-04
3.58E+02	5.43E-04	3.44E-04	2.57E-04
3.58E+02	4.61E-04	3.04E-04	1.54E-04
3.58E+02	4.00E-04	2.82E-04	1.44E-04
3.58E+02	3.40E-04	2.53E-04	1.83E-04
3.58E+02	2.81E-04	1.85E-04	1.86E-04
3.58E+02	1.79E-04	1.01E-04	2.19E-04
3.58E+02	7.74E-05	7.63E-07	2.50E-04
3.58E+02	3.38E-05	-8.47E-05	2.68E-04
3.58E+02	-2.99E-05	-1.63E-04	2.68E-04
3.58E+02	-1.02E-04	-2.44E-04	1.96E-04
3.58E+02	-1.18E-04	-2.62E-04	1.82E-04
3.59E+02	-1.07E-04	-2.34E-04	2.63E-04
3.59E+02	-7.44E-05	-2.03E-04	3.26E-04
3.59E+02	-7.06E-05	-1.65E-04	4.22E-04
3.59E+02	-8.66E-05	-1.13E-04	5.07E-04
3.59E+02	-5.19E-05	-3.97E-05	5.14E-04
3.59E+02	-5.32E-05	3.68E-05	4.76E-04
3.59E+02	-8.51E-05	8.13E-05	3.59E-04
3.59E+02	-9.12E-05	1.22E-04	2.51E-04
3.59E+02	-9.04E-05	1.74E-04	1.94E-04
3.59E+02	-7.51E-05	2.11E-04	1.03E-04
3.59E+02	-1.02E-04	2.35E-04	3.76E-05
3.59E+02	-1.27E-04	2.36E-04	1.53E-05
3.59E+02	-9.50E-05	2.32E-04	1.93E-05
3.59E+02	-1.01E-04	2.15E-04	5.36E-05
3.59E+02	-1.26E-04	1.85E-04	4.69E-05
3.59E+02	-1.16E-04	2.12E-04	7.23E-05
3.59E+02	-7.29E-05	2.64E-04	1.34E-04
3.59E+02	8.96E-06	2.82E-04	1.28E-04

3.59E+02	6.54E-05	2.71E-04	1.49E-04
3.59E+02	1.00E-04	2.43E-04	2.00E-04
3.59E+02	1.61E-04	2.19E-04	2.34E-04
3.59E+02	1.94E-04	1.86E-04	2.39E-04
3.59E+02	1.80E-04	1.05E-04	1.19E-04
3.59E+02	1.54E-04	1.41E-05	-2.48E-05
3.59E+02	1.20E-04	-5.68E-05	-1.18E-04
3.59E+02	7.86E-05	-1.21E-04	-2.33E-04
3.59E+02	-5.15E-06	-1.76E-04	-3.41E-04
3.59E+02	-1.06E-04	-2.15E-04	-4.31E-04
3.59E+02	-1.51E-04	-2.42E-04	-4.87E-04
3.59E+02	-1.95E-04	-2.85E-04	-4.79E-04
3.59E+02	-2.60E-04	-3.84E-04	-4.74E-04
3.59E+02	-2.98E-04	-5.08E-04	-4.39E-04
3.59E+02	-3.21E-04	-6.10E-04	-3.67E-04
3.59E+02	-3.55E-04	-7.27E-04	-3.75E-04
3.59E+02	-4.22E-04	-8.25E-04	-3.85E-04
3.59E+02	-4.98E-04	-8.61E-04	-3.30E-04
3.59E+02	-5.30E-04	-8.38E-04	-2.39E-04
3.59E+02	-5.62E-04	-7.54E-04	-1.08E-04
3.59E+02	-6.16E-04	-6.80E-04	-3.01E-05
3.59E+02	-6.25E-04	-6.03E-04	4.08E-05
3.59E+02	-5.84E-04	-4.95E-04	1.78E-04
3.59E+02	-5.13E-04	-4.03E-04	2.94E-04
3.59E+02	-4.39E-04	-3.27E-04	3.81E-04
3.59E+02	-3.89E-04	-2.79E-04	4.02E-04
3.59E+02	-3.05E-04	-2.30E-04	3.40E-04
3.59E+02	-2.22E-04	-1.70E-04	2.59E-04
3.59E+02	-1.88E-04	-1.51E-04	1.21E-04
3.59E+02	-1.36E-04	-1.42E-04	-1.53E-06
3.59E+02	-8.11E-05	-1.33E-04	-3.89E-05
3.59E+02	-4.60E-05	-1.49E-04	-1.02E-04
3.59E+02	-4.81E-05	-1.78E-04	-1.52E-04
3.59E+02	-1.09E-04	-2.09E-04	-1.38E-04
3.59E+02	-1.55E-04	-2.08E-04	-9.61E-05
3.59E+02	-2.19E-04	-2.07E-04	-5.74E-05
3.59E+02	-3.33E-04	-2.55E-04	-1.26E-04
3.59E+02	-4.21E-04	-3.05E-04	-2.32E-04
3.59E+02	-4.67E-04	-3.30E-04	-2.44E-04
3.59E+02	-4.48E-04	-3.31E-04	-2.43E-04
3.59E+02	-4.25E-04	-3.43E-04	-2.69E-04
3.59E+02	-4.30E-04	-3.84E-04	-3.19E-04
3.59E+02	-3.59E-04	-4.09E-04	-3.70E-04
3.59E+02	-2.64E-04	-4.07E-04	-3.67E-04
3.59E+02	-2.03E-04	-4.17E-04	-3.60E-04
3.59E+02	-1.31E-04	-4.19E-04	-3.41E-04
3.59E+02	-6.29E-05	-3.92E-04	-2.46E-04

3.59E+02	1.68E-05	-3.80E-04	-1.83E-04
3.59E+02	8.43E-05	-3.83E-04	-1.64E-04
3.59E+02	1.11E-04	-3.99E-04	-1.51E-04
3.59E+02	1.78E-04	-4.15E-04	-1.63E-04
3.59E+02	2.65E-04	-4.27E-04	-1.55E-04
3.59E+02	3.17E-04	-4.95E-04	-1.96E-04
3.59E+02	3.93E-04	-5.81E-04	-2.36E-04
3.59E+02	4.87E-04	-6.25E-04	-1.58E-04
3.59E+02	5.64E-04	-6.49E-04	-8.77E-05
3.59E+02	6.05E-04	-6.57E-04	-4.43E-05
3.59E+02	5.83E-04	-6.50E-04	-7.44E-06
3.59E+02	5.72E-04	-6.23E-04	-2.14E-05
3.59E+02	5.81E-04	-5.65E-04	-1.32E-05
3.59E+02	5.64E-04	-5.12E-04	2.48E-06
3.59E+02	5.55E-04	-4.71E-04	2.99E-05
3.59E+02	5.56E-04	-4.17E-04	1.34E-04
3.59E+02	5.66E-04	-3.81E-04	1.87E-04
3.59E+02	5.54E-04	-3.63E-04	1.67E-04
3.59E+02	4.85E-04	-3.38E-04	1.54E-04
3.59E+02	4.34E-04	-2.97E-04	1.25E-04
3.59E+02	3.92E-04	-2.19E-04	1.13E-04
3.59E+02	3.14E-04	-1.51E-04	5.59E-05
3.59E+02	2.63E-04	-1.07E-04	-3.85E-05
3.59E+02	2.55E-04	-4.81E-05	-6.64E-05
3.59E+02	2.54E-04	-5.72E-07	-1.15E-04
3.59E+02	2.44E-04	3.47E-05	-2.03E-04
3.59E+02	2.00E-04	6.07E-05	-2.92E-04
3.59E+02	1.82E-04	9.54E-05	-3.82E-04
3.59E+02	1.97E-04	1.64E-04	-4.17E-04
3.59E+02	1.64E-04	2.08E-04	-4.50E-04
3.59E+02	1.11E-04	2.31E-04	-4.98E-04
3.59E+02	5.15E-05	2.61E-04	-4.71E-04
3.59E+02	-9.73E-06	2.56E-04	-4.37E-04
3.59E+02	-7.92E-05	2.26E-04	-4.43E-04
3.59E+02	-1.78E-04	1.94E-04	-4.02E-04
3.59E+02	-2.30E-04	1.72E-04	-3.34E-04
3.59E+02	-2.15E-04	1.92E-04	-2.55E-04
3.59E+02	-1.84E-04	2.12E-04	-1.68E-04
3.59E+02	-1.41E-04	1.94E-04	-1.01E-04
3.59E+02	-7.11E-05	1.70E-04	2.44E-05
3.59E+02	8.58E-06	1.25E-04	1.67E-04
3.59E+02	5.78E-05	5.63E-05	2.57E-04
3.59E+02	6.03E-05	-2.65E-05	3.11E-04
3.59E+02	5.76E-05	-1.23E-04	2.94E-04
3.59E+02	6.48E-05	-1.97E-04	2.51E-04
3.59E+02	3.15E-05	-2.74E-04	1.82E-04
3.59E+02	-2.06E-05	-3.73E-04	3.89E-05

3.59E+02	-4.14E-05	-4.48E-04	-6.07E-05
3.59E+02	-1.93E-05	-5.13E-04	-1.43E-04
3.59E+02	4.44E-05	-5.75E-04	-2.48E-04
3.59E+02	8.47E-05	-6.21E-04	-3.00E-04
3.59E+02	1.28E-04	-6.41E-04	-3.61E-04
3.59E+02	2.14E-04	-5.91E-04	-3.84E-04
3.59E+02	2.35E-04	-5.46E-04	-4.21E-04
3.59E+02	2.06E-04	-5.31E-04	-5.41E-04
3.59E+02	1.95E-04	-4.55E-04	-5.47E-04
3.59E+02	1.84E-04	-3.48E-04	-5.00E-04
3.59E+02	1.57E-04	-2.30E-04	-5.00E-04
3.59E+02	7.84E-05	-9.33E-05	-4.62E-04
3.59E+02	1.05E-05	5.19E-05	-3.92E-04
3.59E+02	-2.71E-05	2.12E-04	-2.99E-04
3.59E+02	-1.13E-04	3.31E-04	-2.19E-04
3.59E+02	-2.06E-04	4.05E-04	-1.65E-04
3.59E+02	-2.61E-04	4.57E-04	-4.96E-05
3.59E+02	-2.80E-04	4.48E-04	8.18E-05
3.59E+02	-2.72E-04	3.78E-04	1.19E-04
3.59E+02	-2.73E-04	2.64E-04	1.20E-04
3.59E+02	-2.48E-04	1.39E-04	1.42E-04
3.59E+02	-1.74E-04	4.81E-05	1.94E-04
3.59E+02	-1.30E-04	-3.78E-05	2.39E-04
3.59E+02	-9.27E-05	-1.19E-04	2.39E-04
3.59E+02	-2.40E-05	-1.57E-04	2.79E-04
3.59E+02	3.32E-05	-1.61E-04	3.11E-04
3.59E+02	9.40E-05	-1.46E-04	2.54E-04
3.59E+02	1.43E-04	-1.13E-04	1.98E-04
3.59E+02	2.03E-04	-7.15E-05	1.57E-04
3.59E+02	3.06E-04	-2.25E-05	1.46E-04
3.59E+02	3.90E-04	1.70E-05	1.82E-04
3.59E+02	4.59E-04	3.40E-05	1.82E-04
3.59E+02	5.24E-04	4.84E-05	1.94E-04
3.59E+02	5.95E-04	5.46E-05	2.27E-04
3.59E+02	6.72E-04	5.13E-05	2.00E-04
3.59E+02	6.79E-04	4.84E-05	1.62E-04
3.59E+02	6.59E-04	5.78E-05	1.27E-04
3.59E+02	6.81E-04	1.07E-04	1.12E-04
3.59E+02	6.73E-04	1.48E-04	1.06E-04
3.59E+02	6.40E-04	1.34E-04	3.78E-05
3.59E+02	6.35E-04	1.02E-04	-5.34E-06
3.59E+02	6.63E-04	6.83E-05	-1.79E-05
3.59E+02	7.19E-04	1.96E-05	-7.95E-05
3.59E+02	7.52E-04	-3.36E-05	-1.19E-04
3.59E+02	7.72E-04	-8.03E-05	-1.76E-04
3.59E+02	8.26E-04	-1.05E-04	-2.22E-04
3.59E+02	8.55E-04	-1.08E-04	-1.83E-04

3.59E+02	8.23E-04	-1.46E-04	-1.86E-04
3.59E+02	7.80E-04	-1.83E-04	-1.43E-04
3.59E+02	7.44E-04	-1.83E-04	-2.69E-05
3.59E+02	7.09E-04	-2.06E-04	2.02E-05
3.59E+02	6.44E-04	-2.35E-04	7.00E-05
3.59E+02	5.66E-04	-2.54E-04	1.04E-04
3.59E+02	5.51E-04	-2.45E-04	1.04E-04
3.59E+02	5.44E-04	-2.24E-04	9.88E-05
3.59E+02	5.17E-04	-2.52E-04	3.83E-05
3.59E+02	5.33E-04	-2.90E-04	2.25E-05
3.59E+02	5.83E-04	-3.31E-04	9.08E-05
3.59E+02	6.58E-04	-3.93E-04	1.66E-04
3.59E+02	7.11E-04	-4.66E-04	2.42E-04
3.59E+02	7.40E-04	-5.36E-04	2.74E-04
3.59E+02	8.08E-04	-5.64E-04	2.61E-04
3.59E+02	8.55E-04	-5.68E-04	2.21E-04
3.59E+02	8.38E-04	-5.70E-04	1.10E-04
3.59E+02	7.97E-04	-5.50E-04	1.77E-05
3.59E+02	7.48E-04	-5.18E-04	-2.90E-05
3.59E+02	7.00E-04	-4.81E-04	-1.16E-04
3.59E+02	6.15E-04	-4.34E-04	-1.49E-04
3.59E+02	4.90E-04	-3.61E-04	-1.06E-04
3.59E+02	3.91E-04	-2.20E-04	-3.74E-05
3.59E+02	2.68E-04	-4.31E-05	3.19E-05
3.59E+02	8.87E-05	1.07E-04	1.34E-05
3.59E+02	-7.63E-05	2.63E-04	9.54E-06
3.59E+02	-2.36E-04	4.31E-04	9.98E-05
3.59E+02	-3.88E-04	5.78E-04	1.58E-04
3.59E+02	-5.41E-04	6.99E-04	1.97E-04
3.59E+02	-7.04E-04	7.55E-04	2.39E-04
3.59E+02	-7.79E-04	7.60E-04	2.15E-04
3.59E+02	-8.14E-04	7.38E-04	1.50E-04
3.59E+02	-8.68E-04	6.53E-04	3.41E-05
3.59E+02	-8.73E-04	5.79E-04	-6.89E-05
3.59E+02	-8.35E-04	5.38E-04	-8.89E-05
3.59E+02	-7.55E-04	4.86E-04	-1.03E-04
3.59E+02	-6.52E-04	4.44E-04	-5.82E-05
3.59E+02	-5.69E-04	3.80E-04	4.44E-05
3.59E+02	-4.23E-04	3.27E-04	1.56E-04
3.59E+02	-2.46E-04	2.94E-04	2.88E-04
3.59E+02	-1.13E-04	2.12E-04	3.20E-04
3.60E+02	4.18E-05	1.42E-04	3.12E-04
3.60E+02	2.10E-04	1.01E-04	3.73E-04
3.60E+02	3.66E-04	5.89E-05	3.81E-04
3.60E+02	4.71E-04	2.33E-05	3.65E-04
3.60E+02	5.04E-04	-2.08E-05	3.53E-04
3.60E+02	5.54E-04	-4.71E-05	3.42E-04

3.60E+02	6.03E-04	-6.16E-05	4.09E-04
3.60E+02	6.10E-04	-1.07E-04	4.50E-04
3.60E+02	6.28E-04	-1.37E-04	4.74E-04
3.60E+02	6.75E-04	-1.27E-04	5.64E-04
3.60E+02	7.52E-04	-1.21E-04	6.00E-04
3.60E+02	8.26E-04	-1.21E-04	6.11E-04
3.60E+02	8.53E-04	-1.20E-04	6.35E-04
3.60E+02	9.00E-04	-9.14E-05	6.28E-04
3.60E+02	9.52E-04	-3.45E-05	5.95E-04
3.60E+02	9.52E-04	-6.10E-06	4.71E-04
3.60E+02	9.50E-04	8.58E-06	3.06E-04
3.60E+02	9.52E-04	4.46E-05	1.98E-04
3.60E+02	9.52E-04	1.02E-04	1.13E-04
3.60E+02	8.96E-04	1.64E-04	2.92E-05
3.60E+02	7.67E-04	2.11E-04	-3.83E-05
3.60E+02	6.75E-04	2.67E-04	-5.66E-05
3.60E+02	6.04E-04	3.44E-04	-1.83E-05
3.60E+02	5.10E-04	3.88E-04	-8.01E-06
3.60E+02	4.52E-04	4.07E-04	-2.84E-05
3.60E+02	4.47E-04	4.57E-04	1.07E-05
3.60E+02	4.86E-04	5.11E-04	1.98E-05
3.60E+02	5.27E-04	5.57E-04	-2.56E-05
3.60E+02	5.19E-04	6.00E-04	-5.91E-06
3.60E+02	5.19E-04	6.39E-04	6.10E-05
3.60E+02	5.16E-04	6.68E-04	1.53E-04
3.60E+02	4.66E-04	6.33E-04	1.94E-04
3.60E+02	4.28E-04	5.54E-04	1.70E-04
3.60E+02	4.21E-04	4.99E-04	2.04E-04
3.60E+02	4.39E-04	4.74E-04	2.37E-04
3.60E+02	4.42E-04	4.77E-04	2.21E-04
3.60E+02	4.00E-04	4.92E-04	1.71E-04
3.60E+02	3.99E-04	5.20E-04	8.01E-05
3.60E+02	4.27E-04	5.82E-04	4.12E-05
3.60E+02	3.97E-04	6.19E-04	1.77E-05
3.60E+02	3.50E-04	6.32E-04	-4.60E-05
3.60E+02	3.01E-04	6.81E-04	-4.98E-05
3.60E+02	2.43E-04	7.22E-04	-4.10E-05
3.60E+02	1.63E-04	7.29E-04	-5.44E-05
3.60E+02	1.62E-05	7.20E-04	-7.82E-06
3.60E+02	-1.28E-04	7.08E-04	6.07E-05
3.60E+02	-2.44E-04	7.09E-04	1.71E-04
3.60E+02	-3.81E-04	6.70E-04	2.93E-04
3.60E+02	-4.68E-04	5.80E-04	3.63E-04
3.60E+02	-4.70E-04	5.00E-04	4.75E-04
3.60E+02	-4.14E-04	4.14E-04	5.57E-04
3.60E+02	-3.22E-04	3.17E-04	5.44E-04
3.60E+02	-2.51E-04	2.21E-04	5.19E-04

3.60E+02	-1.57E-04	1.25E-04	4.69E-04
3.60E+02	-2.86E-05	6.29E-05	4.34E-04
3.60E+02	3.76E-05	-1.41E-05	3.97E-04
3.60E+02	6.43E-05	-1.13E-04	3.24E-04
3.60E+02	8.56E-05	-1.65E-04	3.14E-04
3.60E+02	1.04E-04	-1.87E-04	3.08E-04
3.60E+02	1.31E-04	-1.89E-04	2.51E-04
3.60E+02	1.24E-04	-1.61E-04	2.41E-04
3.60E+02	1.30E-04	-1.31E-04	2.79E-04
3.60E+02	1.63E-04	-1.03E-04	3.39E-04
3.60E+02	1.45E-04	-1.19E-04	3.58E-04
3.60E+02	9.71E-05	-1.97E-04	2.65E-04
3.60E+02	3.78E-05	-2.72E-04	1.75E-04
3.60E+02	-2.17E-05	-3.23E-04	9.44E-05
3.60E+02	-9.54E-05	-3.51E-04	-3.20E-05
3.60E+02	-2.08E-04	-3.18E-04	-1.23E-04
3.60E+02	-2.94E-04	-2.35E-04	-1.80E-04
3.60E+02	-3.48E-04	-1.23E-04	-1.97E-04
3.60E+02	-4.15E-04	-1.87E-05	-1.82E-04
3.60E+02	-4.85E-04	3.15E-05	-1.91E-04
3.60E+02	-5.35E-04	5.74E-05	-1.75E-04
3.60E+02	-5.44E-04	6.79E-05	-1.82E-04
3.60E+02	-5.25E-04	5.34E-05	-2.64E-04
3.60E+02	-5.23E-04	3.70E-05	-2.86E-04
3.60E+02	-5.09E-04	3.70E-05	-2.27E-04
3.60E+02	-4.58E-04	7.97E-05	-1.23E-04
3.60E+02	-4.46E-04	1.17E-04	-2.80E-05
3.60E+02	-4.66E-04	1.01E-04	-2.02E-05
3.60E+02	-4.60E-04	8.49E-05	9.54E-07
3.60E+02	-4.20E-04	8.95E-05	4.94E-05
3.60E+02	-3.45E-04	1.17E-04	6.45E-05
3.60E+02	-2.71E-04	1.70E-04	1.21E-04
3.60E+02	-1.65E-04	2.21E-04	1.93E-04
3.60E+02	1.30E-05	2.93E-04	2.91E-04
3.60E+02	1.76E-04	3.46E-04	4.20E-04
3.60E+02	3.06E-04	3.41E-04	4.70E-04
3.60E+02	4.41E-04	3.13E-04	4.89E-04
3.60E+02	5.78E-04	2.52E-04	4.75E-04
3.60E+02	7.26E-04	1.81E-04	3.79E-04
3.60E+02	8.27E-04	1.09E-04	2.64E-04
3.60E+02	8.88E-04	4.98E-05	1.56E-04
3.60E+02	9.77E-04	6.83E-05	9.73E-05
3.60E+02	1.02E-03	9.90E-05	5.42E-05
3.60E+02	1.02E-03	8.20E-05	-6.64E-05
3.60E+02	1.02E-03	6.52E-05	-2.03E-04
3.60E+02	1.02E-03	3.81E-05	-3.32E-04
3.60E+02	1.01E-03	-2.48E-05	-5.08E-04

3.60E+02	9.46E-04	-1.03E-04	-6.55E-04
3.60E+02	8.46E-04	-1.81E-04	-7.37E-04
3.60E+02	7.75E-04	-2.23E-04	-7.43E-04
3.60E+02	6.74E-04	-2.45E-04	-6.60E-04
3.60E+02	5.31E-04	-2.77E-04	-5.81E-04
3.60E+02	4.14E-04	-2.72E-04	-4.59E-04
3.60E+02	3.27E-04	-2.51E-04	-2.97E-04
3.60E+02	2.94E-04	-2.35E-04	-2.16E-04
3.60E+02	2.79E-04	-2.00E-04	-1.36E-04
3.60E+02	2.57E-04	-1.51E-04	-2.73E-05
3.60E+02	2.99E-04	-7.27E-05	8.24E-05
3.60E+02	3.34E-04	1.26E-05	1.98E-04
3.60E+02	3.27E-04	5.86E-05	2.18E-04
3.60E+02	3.37E-04	7.44E-05	1.99E-04
3.60E+02	3.54E-04	7.95E-05	1.86E-04
3.60E+02	3.74E-04	8.01E-05	6.92E-05
3.60E+02	3.57E-04	9.04E-05	-8.45E-05
3.60E+02	3.08E-04	1.28E-04	-2.18E-04
3.60E+02	3.12E-04	1.93E-04	-3.05E-04
3.60E+02	3.17E-04	2.59E-04	-2.94E-04
3.60E+02	2.68E-04	2.67E-04	-2.98E-04
3.60E+02	2.34E-04	2.44E-04	-2.77E-04
3.60E+02	2.30E-04	2.26E-04	-1.90E-04
3.60E+02	2.31E-04	1.64E-04	-1.89E-04
3.60E+02	2.03E-04	1.01E-04	-2.11E-04
3.60E+02	1.48E-04	6.90E-05	-2.08E-04
3.60E+02	1.29E-04	8.13E-05	-2.00E-04
3.60E+02	1.09E-04	1.41E-04	-1.69E-04
3.60E+02	4.67E-05	1.81E-04	-1.94E-04
3.60E+02	-8.96E-06	2.29E-04	-2.09E-04
3.60E+02	-4.96E-05	3.10E-04	-1.67E-04
3.60E+02	-9.48E-05	3.78E-04	-1.58E-04
3.60E+02	-1.78E-04	4.44E-04	-1.70E-04
3.60E+02	-2.92E-04	5.08E-04	-2.24E-04
3.60E+02	-3.52E-04	5.89E-04	-3.11E-04
3.60E+02	-3.88E-04	6.87E-04	-3.62E-04
3.60E+02	-4.46E-04	7.50E-04	-4.10E-04
3.60E+02	-4.47E-04	8.05E-04	-3.78E-04
3.60E+02	-4.30E-04	8.71E-04	-2.42E-04
3.60E+02	-3.95E-04	9.11E-04	-1.58E-04
3.60E+02	-3.49E-04	9.11E-04	-1.30E-04
3.60E+02	-3.55E-04	8.78E-04	-1.15E-04
3.60E+02	-3.30E-04	8.52E-04	-1.16E-04
3.60E+02	-3.15E-04	8.26E-04	-1.20E-04
3.60E+02	-3.45E-04	7.51E-04	-1.89E-04
3.60E+02	-3.50E-04	6.46E-04	-2.77E-04
3.60E+02	-3.56E-04	5.65E-04	-2.75E-04

3.60E+02	-3.42E-04	4.91E-04	-2.65E-04
3.60E+02	-3.31E-04	4.23E-04	-2.68E-04
3.60E+02	-3.41E-04	3.76E-04	-2.59E-04
3.60E+02	-2.79E-04	3.39E-04	-3.09E-04
3.60E+02	-1.72E-04	3.18E-04	-3.93E-04
3.60E+02	-8.07E-05	2.76E-04	-4.88E-04
3.60E+02	3.51E-05	2.19E-04	-5.30E-04
3.60E+02	1.77E-04	1.69E-04	-4.46E-04
3.60E+02	3.23E-04	8.70E-05	-3.42E-04
3.60E+02	4.46E-04	-2.21E-05	-2.53E-04
3.60E+02	5.21E-04	-1.36E-04	-1.45E-04
3.60E+02	5.96E-04	-2.41E-04	-6.22E-05
3.60E+02	6.69E-04	-3.00E-04	-1.49E-05
3.60E+02	7.02E-04	-3.52E-04	-7.04E-05
3.60E+02	7.24E-04	-4.02E-04	-2.22E-04
3.60E+02	7.46E-04	-3.98E-04	-2.99E-04
3.60E+02	7.80E-04	-3.66E-04	-3.04E-04
3.60E+02	7.94E-04	-3.29E-04	-2.72E-04
3.60E+02	7.44E-04	-3.01E-04	-2.05E-04
3.60E+02	7.13E-04	-2.74E-04	-1.63E-04
3.60E+02	7.04E-04	-2.17E-04	-1.13E-04
3.60E+02	6.55E-04	-1.58E-04	-9.99E-05
3.60E+02	6.15E-04	-7.36E-05	-1.07E-04
3.60E+02	5.87E-04	5.86E-05	-3.15E-05
3.60E+02	5.47E-04	1.80E-04	2.31E-05
3.60E+02	4.90E-04	2.82E-04	4.46E-05
3.60E+02	3.85E-04	3.74E-04	9.54E-05
3.60E+02	3.00E-04	4.66E-04	1.38E-04
3.60E+02	2.57E-04	5.76E-04	2.01E-04
3.60E+02	1.59E-04	6.41E-04	2.06E-04
3.60E+02	4.31E-05	6.55E-04	1.41E-04
3.60E+02	-4.08E-05	6.94E-04	1.46E-04
3.60E+02	-1.32E-04	7.25E-04	1.63E-04
3.60E+02	-2.35E-04	7.28E-04	1.20E-04
3.60E+02	-3.69E-04	7.03E-04	5.68E-05
3.60E+02	-4.75E-04	6.62E-04	-2.71E-05
3.60E+02	-5.26E-04	6.43E-04	-9.88E-05
3.60E+02	-5.91E-04	6.02E-04	-1.88E-04
3.60E+02	-6.37E-04	5.44E-04	-3.11E-04
3.60E+02	-6.44E-04	4.97E-04	-3.57E-04
3.60E+02	-6.48E-04	4.16E-04	-3.82E-04
3.60E+02	-6.65E-04	3.18E-04	-4.34E-04
3.60E+02	-7.25E-04	2.40E-04	-4.30E-04
3.60E+02	-7.78E-04	2.00E-04	-4.14E-04
3.60E+02	-7.90E-04	2.13E-04	-3.97E-04
3.60E+02	-8.41E-04	2.25E-04	-4.02E-04
3.60E+02	-8.94E-04	2.25E-04	-4.33E-04

3.60E+02	-9.04E-04	2.68E-04	-3.87E-04
3.60E+02	-8.91E-04	3.12E-04	-3.37E-04
3.60E+02	-8.67E-04	3.30E-04	-3.25E-04
3.60E+02	-8.70E-04	3.33E-04	-2.72E-04
3.60E+02	-8.21E-04	3.22E-04	-2.28E-04
3.60E+02	-7.08E-04	3.46E-04	-2.02E-04
3.61E+02	-6.36E-04	3.80E-04	-2.27E-04
3.61E+02	-5.74E-04	4.01E-04	-3.44E-04
3.61E+02	-5.20E-04	4.51E-04	-4.09E-04
3.61E+02	-4.80E-04	5.10E-04	-4.23E-04
3.61E+02	-4.34E-04	5.71E-04	-4.44E-04
3.61E+02	-4.51E-04	6.30E-04	-3.79E-04
3.61E+02	-4.72E-04	7.03E-04	-2.80E-04
3.61E+02	-4.60E-04	8.09E-04	-1.82E-04
3.61E+02	-5.02E-04	8.73E-04	-1.14E-04
3.61E+02	-5.54E-04	8.84E-04	-1.16E-04
3.61E+02	-5.89E-04	8.83E-04	-3.80E-05
3.61E+02	-6.35E-04	8.45E-04	7.63E-05
3.61E+02	-6.76E-04	7.75E-04	1.40E-04
3.61E+02	-7.59E-04	6.88E-04	1.96E-04
3.61E+02	-8.31E-04	5.79E-04	1.90E-04
3.61E+02	-8.28E-04	4.86E-04	1.68E-04
3.61E+02	-8.27E-04	3.93E-04	1.29E-04
3.61E+02	-8.11E-04	2.91E-04	3.83E-05
3.61E+02	-7.50E-04	2.45E-04	1.09E-05
3.61E+02	-6.64E-04	2.10E-04	1.62E-05
3.61E+02	-5.53E-04	1.58E-04	1.13E-05
3.61E+02	-4.95E-04	1.19E-04	5.05E-05
3.61E+02	-4.54E-04	6.92E-05	9.52E-05
3.61E+02	-3.62E-04	4.71E-05	1.32E-04
3.61E+02	-3.09E-04	3.26E-05	1.38E-04
3.61E+02	-2.82E-04	-1.93E-05	8.45E-05
3.61E+02	-2.33E-04	-3.68E-05	1.00E-04
3.61E+02	-1.95E-04	-4.79E-05	1.63E-04
3.61E+02	-1.60E-04	-6.01E-05	1.79E-04
3.61E+02	-1.73E-04	-4.67E-05	2.06E-04
3.61E+02	-2.14E-04	-4.65E-05	1.89E-04
3.61E+02	-2.08E-04	-2.21E-05	1.65E-04
3.61E+02	-2.16E-04	1.30E-05	1.69E-04
3.61E+02	-2.35E-04	4.25E-05	1.21E-04
3.61E+02	-2.19E-04	1.05E-04	1.42E-04
3.61E+02	-1.77E-04	1.84E-04	2.10E-04
3.61E+02	-1.14E-04	2.61E-04	2.13E-04
3.61E+02	-8.93E-05	3.22E-04	2.31E-04
3.61E+02	-7.90E-05	3.66E-04	2.55E-04
3.61E+02	-4.01E-05	4.08E-04	2.78E-04
3.61E+02	-3.60E-05	4.20E-04	2.75E-04

3.61E+02	-5.65E-05	3.83E-04	1.75E-04
3.61E+02	-6.03E-05	3.50E-04	9.71E-05
3.61E+02	-4.98E-05	3.42E-04	5.72E-05
3.61E+02	-2.44E-05	3.44E-04	7.63E-06
3.61E+02	-1.89E-05	3.66E-04	1.60E-05
3.61E+02	-2.92E-05	3.79E-04	7.25E-06
3.61E+02	1.56E-05	4.03E-04	0.00E+00
3.61E+02	5.42E-05	4.33E-04	6.29E-05
3.61E+02	5.17E-05	4.14E-04	7.23E-05
3.61E+02	6.50E-05	3.93E-04	8.66E-05
3.61E+02	7.17E-05	3.81E-04	1.47E-04
3.61E+02	7.25E-05	3.60E-04	1.41E-04
3.61E+02	3.38E-05	3.36E-04	1.37E-04
3.61E+02	-3.78E-05	3.09E-04	1.63E-04
3.61E+02	-7.25E-05	3.25E-04	2.21E-04
3.61E+02	-1.35E-04	3.61E-04	2.90E-04
3.61E+02	-2.21E-04	3.61E-04	2.75E-04
3.61E+02	-2.57E-04	3.64E-04	2.95E-04
3.61E+02	-2.66E-04	3.84E-04	3.57E-04
3.61E+02	-2.48E-04	3.91E-04	3.54E-04
3.61E+02	-2.42E-04	4.02E-04	3.86E-04
3.61E+02	-2.78E-04	4.16E-04	4.24E-04
3.61E+02	-2.97E-04	4.28E-04	3.96E-04
3.61E+02	-3.52E-04	4.36E-04	3.04E-04
3.61E+02	-4.47E-04	4.29E-04	1.15E-04
3.61E+02	-5.24E-04	4.63E-04	-4.58E-05
3.61E+02	-5.81E-04	5.49E-04	-1.34E-04
3.61E+02	-5.77E-04	6.27E-04	-2.56E-04
3.61E+02	-5.73E-04	6.86E-04	-3.32E-04
3.61E+02	-5.96E-04	7.15E-04	-3.33E-04
3.61E+02	-5.45E-04	7.31E-04	-2.84E-04
3.61E+02	-4.81E-04	7.35E-04	-1.93E-04
3.61E+02	-4.33E-04	6.76E-04	-1.74E-04
3.61E+02	-3.48E-04	5.95E-04	-1.63E-04
3.61E+02	-2.45E-04	5.26E-04	-1.28E-04
3.61E+02	-1.19E-04	4.47E-04	-1.44E-04
3.61E+02	-1.32E-05	3.82E-04	-1.20E-04
3.61E+02	6.62E-05	3.32E-04	-6.75E-05
3.61E+02	1.95E-04	2.91E-04	2.10E-06
3.61E+02	3.09E-04	2.63E-04	1.34E-04
3.61E+02	3.58E-04	2.11E-04	2.22E-04
3.61E+02	3.83E-04	1.42E-04	3.01E-04
3.61E+02	3.76E-04	9.63E-05	3.89E-04
3.61E+02	3.56E-04	5.40E-05	3.79E-04
3.61E+02	2.97E-04	1.62E-05	3.42E-04
3.61E+02	1.83E-04	-1.66E-05	3.07E-04
3.61E+02	1.04E-04	-2.33E-05	2.70E-04

3.61E+02	2.71E-05	-7.82E-06	2.51E-04
3.61E+02	-7.15E-05	-5.07E-05	1.85E-04
3.61E+02	-1.32E-04	-1.25E-04	1.36E-04
3.61E+02	-1.68E-04	-2.04E-04	1.65E-04
3.61E+02	-1.65E-04	-2.94E-04	2.00E-04
3.61E+02	-1.69E-04	-3.63E-04	2.37E-04
3.61E+02	-1.96E-04	-4.17E-04	2.89E-04
3.61E+02	-1.52E-04	-4.18E-04	3.22E-04
3.61E+02	-1.06E-04	-3.60E-04	3.18E-04
3.61E+02	-9.59E-05	-2.72E-04	2.38E-04
3.61E+02	-4.79E-05	-1.44E-04	1.54E-04
3.61E+02	1.74E-05	3.81E-07	1.70E-04
3.61E+02	9.52E-05	1.11E-04	1.79E-04
3.61E+02	1.40E-04	1.72E-04	1.65E-04
3.61E+02	1.15E-04	1.74E-04	1.67E-04
3.61E+02	1.05E-04	1.53E-04	1.67E-04
3.61E+02	8.39E-05	1.27E-04	1.95E-04
3.61E+02	1.43E-05	4.58E-05	1.50E-04
3.61E+02	-3.13E-05	-3.99E-05	1.01E-04
3.61E+02	-5.26E-05	-9.77E-05	1.57E-04
3.61E+02	-6.41E-05	-1.69E-04	1.67E-04
3.61E+02	-8.16E-05	-2.40E-04	1.33E-04
3.61E+02	-1.38E-04	-3.23E-04	9.27E-05
3.61E+02	-1.66E-04	-4.02E-04	2.77E-05
3.61E+02	-1.72E-04	-4.59E-04	-9.73E-06
3.61E+02	-2.26E-04	-5.45E-04	-7.76E-05
3.61E+02	-2.76E-04	-6.18E-04	-1.71E-04
3.61E+02	-3.02E-04	-6.32E-04	-1.84E-04
3.61E+02	-3.23E-04	-6.54E-04	-2.03E-04
3.61E+02	-3.57E-04	-6.91E-04	-2.31E-04
3.61E+02	-4.34E-04	-7.07E-04	-1.83E-04
3.61E+02	-4.94E-04	-6.98E-04	-1.54E-04
3.61E+02	-5.32E-04	-6.56E-04	-1.69E-04
3.61E+02	-6.00E-04	-6.21E-04	-2.42E-04
3.61E+02	-6.49E-04	-5.96E-04	-3.42E-04
3.61E+02	-6.72E-04	-5.47E-04	-3.40E-04
3.61E+02	-6.72E-04	-4.91E-04	-3.00E-04
3.61E+02	-6.63E-04	-4.29E-04	-2.20E-04
3.61E+02	-6.84E-04	-3.69E-04	-6.52E-05
3.61E+02	-6.59E-04	-3.17E-04	9.33E-05
3.61E+02	-5.91E-04	-2.49E-04	2.55E-04
3.61E+02	-5.61E-04	-2.04E-04	3.74E-04
3.61E+02	-5.41E-04	-1.71E-04	4.61E-04
3.61E+02	-5.17E-04	-1.09E-04	5.69E-04
3.61E+02	-4.71E-04	-5.93E-05	6.07E-04
3.61E+02	-4.01E-04	-2.08E-05	5.88E-04
3.61E+02	-3.63E-04	1.41E-05	5.90E-04

3.61E+02	-3.00E-04	3.20E-05	5.90E-04
3.61E+02	-2.17E-04	6.28E-05	5.92E-04
3.61E+02	-1.99E-04	7.02E-05	5.41E-04
3.61E+02	-2.28E-04	3.03E-05	3.80E-04
3.61E+02	-2.80E-04	-1.09E-05	2.12E-04
3.61E+02	-3.36E-04	-4.46E-05	8.68E-05
3.61E+02	-4.35E-04	-7.72E-05	-3.24E-06
3.61E+02	-6.10E-04	-1.10E-04	-3.41E-05
3.61E+02	-7.63E-04	-1.15E-04	-3.09E-05
3.61E+02	-8.72E-04	-8.66E-05	8.01E-06
3.61E+02	-9.85E-04	-7.48E-05	2.46E-05
3.61E+02	-1.06E-03	-7.82E-05	-6.03E-05
3.61E+02	-1.08E-03	-7.48E-05	-1.59E-04
3.61E+02	-1.05E-03	-6.75E-05	-2.56E-04
3.61E+02	-9.85E-04	-7.82E-05	-3.71E-04
3.61E+02	-9.47E-04	-1.07E-04	-4.10E-04
3.61E+02	-8.90E-04	-1.31E-04	-3.93E-04
3.61E+02	-7.85E-04	-1.40E-04	-3.22E-04
3.61E+02	-7.29E-04	-1.61E-04	-2.26E-04
3.61E+02	-6.97E-04	-2.28E-04	-2.01E-04
3.61E+02	-6.39E-04	-2.54E-04	-1.31E-04
3.61E+02	-5.80E-04	-2.35E-04	-5.30E-05
3.61E+02	-5.36E-04	-2.16E-04	-5.53E-05
3.61E+02	-5.34E-04	-1.65E-04	-3.43E-05
3.61E+02	-5.37E-04	-1.17E-04	8.77E-06
3.61E+02	-5.12E-04	-5.95E-05	7.69E-05
3.61E+02	-5.36E-04	4.77E-06	1.15E-04
3.61E+02	-5.75E-04	5.25E-05	7.88E-05
3.61E+02	-5.56E-04	1.38E-04	8.98E-05
3.61E+02	-4.87E-04	2.41E-04	9.65E-05
3.61E+02	-3.78E-04	3.14E-04	3.55E-05
3.61E+02	-2.69E-04	3.60E-04	2.67E-06
3.61E+02	-1.43E-04	3.97E-04	-4.39E-06
3.61E+02	1.83E-05	4.36E-04	1.72E-05
3.61E+02	1.33E-04	4.31E-04	2.38E-05
3.61E+02	2.20E-04	3.71E-04	-4.94E-05
3.61E+02	3.18E-04	3.23E-04	-7.08E-05
3.61E+02	3.82E-04	2.72E-04	-8.35E-05
3.61E+02	4.27E-04	1.95E-04	-1.81E-04
3.61E+02	4.22E-04	1.13E-04	-2.54E-04
3.61E+02	3.79E-04	2.57E-05	-3.17E-04
3.61E+02	3.59E-04	-3.78E-05	-3.57E-04
3.61E+02	2.93E-04	-1.07E-04	-3.27E-04
3.61E+02	2.00E-04	-2.04E-04	-2.75E-04
3.61E+02	1.27E-04	-2.70E-04	-1.38E-04
3.61E+02	6.03E-05	-3.49E-04	2.63E-05
3.61E+02	1.77E-05	-4.60E-04	1.08E-04

3.61E+02	-6.31E-05	-5.57E-04	1.85E-04
3.61E+02	-1.63E-04	-6.40E-04	2.39E-04
3.61E+02	-1.95E-04	-6.91E-04	2.56E-04
3.61E+02	-2.39E-04	-7.35E-04	2.22E-04
3.61E+02	-3.06E-04	-8.10E-04	8.75E-05
3.61E+02	-3.21E-04	-8.71E-04	-5.91E-06
3.61E+02	-3.21E-04	-9.16E-04	-6.58E-05
3.61E+02	-3.12E-04	-9.42E-04	-1.70E-04
3.61E+02	-3.22E-04	-9.28E-04	-2.45E-04
3.61E+02	-3.53E-04	-8.97E-04	-3.31E-04
3.61E+02	-3.30E-04	-8.22E-04	-4.23E-04
3.61E+02	-3.14E-04	-7.17E-04	-4.92E-04
3.61E+02	-3.05E-04	-6.12E-04	-5.62E-04
3.61E+02	-2.60E-04	-4.70E-04	-5.19E-04
3.61E+02	-2.07E-04	-3.31E-04	-4.01E-04
3.61E+02	-1.29E-04	-2.43E-04	-3.43E-04
3.61E+02	-8.79E-05	-1.99E-04	-2.74E-04
3.61E+02	-5.57E-05	-1.95E-04	-1.96E-04
3.62E+02	1.95E-05	-1.90E-04	-1.31E-04
3.62E+02	6.24E-05	-1.94E-04	-7.95E-05
3.62E+02	9.40E-05	-2.18E-04	-7.88E-05
3.62E+02	1.29E-04	-2.08E-04	-2.48E-05
3.62E+02	1.62E-04	-1.83E-04	7.10E-05
3.62E+02	2.23E-04	-1.46E-04	1.26E-04
3.62E+02	2.28E-04	-1.12E-04	1.63E-04
3.62E+02	1.98E-04	-9.82E-05	1.64E-04
3.62E+02	2.34E-04	-5.49E-05	1.60E-04
3.62E+02	2.63E-04	-2.46E-05	1.58E-04
3.62E+02	2.66E-04	-4.33E-05	9.88E-05
3.62E+02	2.97E-04	-6.52E-05	6.96E-05
3.62E+02	3.34E-04	-9.08E-05	1.04E-04
3.62E+02	3.79E-04	-1.25E-04	7.80E-05
3.62E+02	3.94E-04	-1.67E-04	2.48E-05
3.62E+02	3.92E-04	-2.03E-04	7.63E-06
3.62E+02	4.26E-04	-2.02E-04	-3.81E-06
3.62E+02	4.33E-04	-1.89E-04	-3.55E-05
3.62E+02	4.09E-04	-1.98E-04	-1.48E-04
3.62E+02	4.02E-04	-1.97E-04	-2.48E-04
3.62E+02	3.97E-04	-1.67E-04	-2.65E-04
3.62E+02	4.00E-04	-1.44E-04	-2.63E-04
3.62E+02	3.73E-04	-1.40E-04	-1.99E-04
3.62E+02	3.13E-04	-1.53E-04	-1.14E-04
3.62E+02	2.74E-04	-1.67E-04	-6.43E-05
3.62E+02	2.08E-04	-1.80E-04	-3.70E-05
3.62E+02	9.69E-05	-2.11E-04	-7.23E-05
3.62E+02	-7.63E-06	-2.05E-04	-6.83E-05
3.62E+02	-9.38E-05	-1.53E-04	1.58E-05

3.62E+02	-1.50E-04	-1.06E-04	5.99E-05
3.62E+02	-2.21E-04	-5.95E-05	1.04E-04
3.62E+02	-3.04E-04	-1.51E-05	1.73E-04
3.62E+02	-3.18E-04	3.85E-05	2.33E-04
3.62E+02	-3.06E-04	8.58E-05	2.89E-04
3.62E+02	-3.14E-04	8.01E-05	2.91E-04
3.62E+02	-2.97E-04	5.61E-05	3.01E-04
3.62E+02	-2.53E-04	3.30E-05	3.48E-04
3.62E+02	-2.12E-04	-1.18E-05	3.19E-04
3.62E+02	-2.17E-04	-6.85E-05	2.33E-04
3.62E+02	-2.56E-04	-1.46E-04	1.32E-04
3.62E+02	-2.57E-04	-2.24E-04	5.53E-05
3.62E+02	-2.38E-04	-2.89E-04	6.71E-05
3.62E+02	-2.34E-04	-3.96E-04	6.10E-05
3.62E+02	-2.05E-04	-5.15E-04	2.86E-05
3.62E+02	-1.49E-04	-6.19E-04	2.61E-05
3.62E+02	-6.83E-05	-7.36E-04	-3.26E-05
3.62E+02	8.58E-06	-8.37E-04	-9.29E-05
3.62E+02	4.69E-05	-9.13E-04	-1.27E-04
3.62E+02	1.28E-04	-9.23E-04	-1.50E-04
3.62E+02	2.24E-04	-8.65E-04	-1.27E-04
3.62E+02	2.62E-04	-8.15E-04	-1.47E-04
3.62E+02	2.92E-04	-7.52E-04	-1.52E-04
3.62E+02	3.17E-04	-6.83E-04	-8.83E-05
3.62E+02	3.44E-04	-6.17E-04	-3.43E-05
3.62E+02	3.49E-04	-5.39E-04	2.42E-05
3.62E+02	3.05E-04	-4.88E-04	4.88E-05
3.62E+02	3.03E-04	-4.30E-04	4.94E-05
3.62E+02	3.15E-04	-3.58E-04	9.59E-05
3.62E+02	2.78E-04	-3.37E-04	1.30E-04
3.62E+02	2.17E-04	-3.44E-04	1.49E-04
3.62E+02	1.35E-04	-3.43E-04	2.11E-04
3.62E+02	5.15E-05	-3.38E-04	2.40E-04
3.62E+02	-4.75E-05	-3.25E-04	2.45E-04
3.62E+02	-1.75E-04	-2.96E-04	2.93E-04
3.62E+02	-2.60E-04	-2.37E-04	3.68E-04
3.62E+02	-3.23E-04	-1.54E-04	4.62E-04
3.62E+02	-4.02E-04	-1.13E-04	4.68E-04
3.62E+02	-4.49E-04	-1.13E-04	4.23E-04
3.62E+02	-4.70E-04	-1.07E-04	4.68E-04
3.62E+02	-4.62E-04	-1.24E-04	5.07E-04
3.62E+02	-4.51E-04	-1.59E-04	4.91E-04
3.62E+02	-4.84E-04	-2.00E-04	4.22E-04
3.62E+02	-4.79E-04	-2.29E-04	2.79E-04
3.62E+02	-4.27E-04	-2.13E-04	1.47E-04
3.62E+02	-4.00E-04	-2.04E-04	1.05E-05
3.62E+02	-3.56E-04	-1.96E-04	-1.11E-04

3.62E+02	-2.62E-04	-1.44E-04	-1.01E-04
3.62E+02	-1.58E-04	-1.28E-04	-9.78E-05
3.62E+02	-6.90E-05	-1.57E-04	-1.34E-04
3.62E+02	-2.56E-05	-1.95E-04	-9.84E-05
3.62E+02	5.53E-06	-2.36E-04	-4.98E-05
3.62E+02	3.89E-05	-2.58E-04	9.54E-07
3.62E+02	1.43E-05	-2.84E-04	-4.96E-06
3.62E+02	-1.64E-05	-2.86E-04	-4.31E-05
3.62E+02	-3.13E-05	-2.33E-04	-1.03E-05
3.62E+02	-5.59E-05	-1.63E-04	-2.65E-05
3.62E+02	-7.02E-05	-9.08E-05	-1.11E-04
3.62E+02	-1.03E-04	-3.51E-05	-1.84E-04
3.62E+02	-8.79E-05	-3.43E-06	-2.29E-04
3.62E+02	2.29E-06	2.08E-05	-2.07E-04
3.62E+02	7.17E-05	-4.01E-06	-1.74E-04
3.62E+02	1.56E-04	-8.30E-05	-1.64E-04
3.62E+02	2.55E-04	-1.49E-04	-9.33E-05
3.62E+02	3.40E-04	-2.10E-04	-2.44E-05
3.62E+02	4.36E-04	-2.75E-04	1.16E-05
3.62E+02	4.68E-04	-3.18E-04	5.74E-05
3.62E+02	4.71E-04	-3.39E-04	5.57E-05
3.62E+02	4.91E-04	-3.22E-04	2.56E-05
3.62E+02	4.48E-04	-3.06E-04	-4.46E-05
3.62E+02	3.92E-04	-3.23E-04	-1.33E-04
3.62E+02	3.61E-04	-3.41E-04	-9.61E-05
3.62E+02	3.33E-04	-3.57E-04	1.34E-06
3.62E+02	3.05E-04	-3.74E-04	6.77E-05
3.62E+02	2.46E-04	-3.90E-04	1.34E-04
3.62E+02	2.14E-04	-3.97E-04	1.88E-04
3.62E+02	2.37E-04	-3.76E-04	2.58E-04
3.62E+02	2.42E-04	-3.63E-04	3.25E-04
3.62E+02	2.45E-04	-3.93E-04	3.52E-04
3.62E+02	2.82E-04	-4.28E-04	4.19E-04
3.62E+02	3.38E-04	-4.62E-04	4.61E-04
3.62E+02	4.06E-04	-4.93E-04	4.19E-04
3.62E+02	4.48E-04	-5.05E-04	3.96E-04
3.62E+02	4.84E-04	-5.09E-04	3.75E-04
3.62E+02	5.64E-04	-4.62E-04	3.78E-04
3.62E+02	5.98E-04	-4.12E-04	3.53E-04
3.62E+02	5.98E-04	-4.04E-04	2.21E-04
3.62E+02	6.31E-04	-3.67E-04	1.51E-04
3.62E+02	6.52E-04	-3.33E-04	1.24E-04
3.62E+02	6.54E-04	-3.21E-04	7.80E-05
3.62E+02	6.03E-04	-3.06E-04	6.92E-05
3.62E+02	5.34E-04	-3.02E-04	3.09E-05
3.62E+02	4.99E-04	-2.79E-04	-2.31E-05
3.62E+02	4.11E-04	-2.71E-04	-7.19E-05

3.62E+02	3.01E-04	-2.79E-04	-1.24E-04
3.62E+02	2.05E-04	-2.53E-04	-1.17E-04
3.62E+02	1.20E-04	-2.15E-04	-1.07E-04
3.62E+02	6.77E-05	-1.96E-04	-1.32E-04
3.62E+02	4.96E-06	-1.95E-04	-8.16E-05
3.62E+02	-2.19E-05	-1.91E-04	4.44E-05
3.62E+02	2.90E-05	-1.58E-04	1.82E-04
3.62E+02	8.95E-05	-1.30E-04	2.70E-04
3.62E+02	1.42E-04	-1.46E-04	2.38E-04
3.62E+02	2.19E-04	-1.70E-04	2.14E-04
3.62E+02	3.24E-04	-1.85E-04	1.97E-04
3.62E+02	4.21E-04	-2.22E-04	1.17E-04
3.62E+02	4.63E-04	-2.81E-04	5.15E-05
3.62E+02	4.90E-04	-3.64E-04	-4.04E-05
3.62E+02	5.44E-04	-4.42E-04	-1.17E-04
3.62E+02	5.57E-04	-5.26E-04	-1.52E-04
3.62E+02	5.21E-04	-6.45E-04	-2.00E-04
3.62E+02	4.71E-04	-7.46E-04	-1.19E-04
3.62E+02	4.02E-04	-8.35E-04	3.59E-05
3.62E+02	3.29E-04	-9.32E-04	1.22E-04
3.62E+02	2.14E-04	-9.83E-04	2.33E-04
3.62E+02	9.82E-05	-9.80E-04	3.55E-04
3.62E+02	4.63E-05	-9.21E-04	4.47E-04
3.62E+02	1.13E-05	-8.30E-04	4.94E-04
3.62E+02	-1.72E-06	-7.65E-04	4.31E-04
3.62E+02	3.40E-05	-7.00E-04	3.55E-04
3.62E+02	1.13E-04	-6.26E-04	3.12E-04
3.62E+02	2.19E-04	-5.58E-04	2.50E-04
3.62E+02	2.74E-04	-4.81E-04	1.86E-04
3.62E+02	2.92E-04	-4.26E-04	7.11E-05
3.62E+02	3.65E-04	-3.40E-04	-2.88E-05
3.62E+02	4.27E-04	-2.30E-04	-8.05E-05
3.62E+02	4.31E-04	-1.76E-04	-1.99E-04
3.62E+02	4.43E-04	-1.15E-04	-2.81E-04
3.62E+02	4.57E-04	-4.90E-05	-2.79E-04
3.62E+02	4.59E-04	-8.01E-06	-2.97E-04
3.62E+02	4.22E-04	3.38E-05	-2.85E-04
3.62E+02	3.69E-04	7.23E-05	-2.35E-04
3.62E+02	3.56E-04	1.47E-04	-1.71E-04
3.62E+02	3.16E-04	2.10E-04	-1.20E-04
3.62E+02	2.57E-04	2.08E-04	-1.52E-04
3.62E+02	2.34E-04	2.04E-04	-1.53E-04
3.62E+02	2.35E-04	1.91E-04	-9.99E-05
3.62E+02	2.67E-04	1.67E-04	-9.80E-05
3.62E+02	2.78E-04	1.36E-04	-9.75E-05
3.62E+02	2.84E-04	8.60E-05	-7.10E-05
3.62E+02	3.61E-04	7.63E-05	-1.91E-05

3.62E+02	4.20E-04	6.73E-05	1.32E-05
3.62E+02	4.46E-04	3.41E-05	-2.27E-05
3.62E+02	5.11E-04	1.95E-05	-2.00E-05
3.62E+02	5.72E-04	-2.10E-06	1.81E-05
3.62E+02	6.22E-04	-3.17E-05	1.26E-05
3.62E+02	6.30E-04	-7.10E-05	2.27E-05
3.62E+02	5.84E-04	-1.10E-04	4.27E-05
3.62E+02	5.60E-04	-1.09E-04	6.66E-05
3.62E+02	5.28E-04	-9.56E-05	1.02E-04
3.62E+02	4.69E-04	-1.04E-04	6.14E-05
3.62E+02	4.31E-04	-9.73E-05	5.65E-05
3.62E+02	4.04E-04	-7.15E-05	1.29E-04
3.62E+02	3.86E-04	-5.91E-05	1.24E-04
3.62E+02	3.40E-04	-4.50E-05	1.05E-04
3.62E+02	2.75E-04	-3.28E-05	1.01E-04
3.62E+02	2.60E-04	-1.74E-05	7.67E-05
3.62E+02	2.42E-04	7.25E-06	6.47E-05
3.62E+02	1.90E-04	9.54E-06	1.22E-05
3.62E+02	1.47E-04	2.96E-05	-2.35E-05
3.62E+02	1.19E-04	6.37E-05	8.20E-06
3.62E+02	1.07E-04	7.13E-05	-1.01E-05
3.62E+02	6.10E-05	8.43E-05	-4.83E-05
3.62E+02	-2.38E-05	1.03E-04	-5.09E-05
3.62E+02	-6.73E-05	1.54E-04	-4.52E-05
3.62E+02	-1.08E-04	2.23E-04	-5.59E-05
3.62E+02	-1.76E-04	2.35E-04	-1.53E-04
3.62E+02	-2.15E-04	2.30E-04	-2.70E-04
3.62E+02	-2.29E-04	2.14E-04	-3.33E-04
3.62E+02	-2.36E-04	1.64E-04	-4.12E-04
3.62E+02	-2.56E-04	1.09E-04	-4.72E-04
3.63E+02	-2.93E-04	4.44E-05	-4.74E-04
3.63E+02	-2.82E-04	-8.58E-06	-4.51E-04
3.63E+02	-2.62E-04	-4.33E-05	-3.83E-04
3.63E+02	-2.85E-04	-8.41E-05	-2.92E-04
3.63E+02	-2.86E-04	-1.01E-04	-1.71E-04
3.63E+02	-2.74E-04	-8.96E-05	-2.14E-05
3.63E+02	-2.55E-04	-8.95E-05	3.28E-05
3.63E+02	-2.45E-04	-1.07E-04	1.91E-05
3.63E+02	-2.77E-04	-1.32E-04	2.82E-05
3.63E+02	-2.72E-04	-1.35E-04	5.91E-05
3.63E+02	-2.49E-04	-1.12E-04	1.06E-04
3.63E+02	-2.54E-04	-1.08E-04	7.80E-05
3.63E+02	-2.46E-04	-8.32E-05	5.53E-06
3.63E+02	-2.20E-04	-9.73E-06	-3.36E-05
3.63E+02	-1.70E-04	7.65E-05	-1.12E-04
3.63E+02	-1.41E-04	1.75E-04	-2.12E-04
3.63E+02	-1.57E-04	2.50E-04	-3.02E-04

3.63E+02	-1.22E-04	2.88E-04	-3.86E-04
3.63E+02	-7.80E-05	2.89E-04	-4.10E-04
3.63E+02	-6.14E-05	2.48E-04	-4.00E-04
3.63E+02	-3.05E-06	2.07E-04	-3.60E-04
3.63E+02	6.89E-05	1.65E-04	-2.68E-04
3.63E+02	1.62E-04	1.17E-04	-2.12E-04
3.63E+02	2.54E-04	7.02E-05	-2.03E-04
3.63E+02	3.07E-04	1.83E-05	-1.94E-04
3.63E+02	4.02E-04	-2.10E-06	-1.71E-04
3.63E+02	4.92E-04	-1.91E-06	-1.02E-04
3.63E+02	5.21E-04	-3.41E-05	-5.84E-05
3.63E+02	5.56E-04	-7.93E-05	-2.61E-05
3.63E+02	5.79E-04	-1.12E-04	8.28E-05
3.63E+02	5.87E-04	-1.53E-04	1.43E-04
3.63E+02	5.65E-04	-2.10E-04	1.11E-04
3.63E+02	4.73E-04	-2.74E-04	5.28E-05
3.63E+02	4.03E-04	-3.18E-04	-7.06E-06
3.63E+02	3.51E-04	-3.18E-04	-1.49E-05
3.63E+02	2.57E-04	-3.17E-04	-4.56E-05
3.63E+02	1.75E-04	-3.31E-04	-1.10E-04
3.63E+02	1.10E-04	-3.21E-04	-1.08E-04
3.63E+02	6.47E-05	-3.27E-04	-1.66E-04
3.63E+02	3.55E-05	-3.44E-04	-2.96E-04
3.63E+02	7.25E-06	-3.16E-04	-3.60E-04
3.63E+02	3.66E-05	-2.57E-04	-4.00E-04
3.63E+02	1.21E-04	-1.67E-04	-3.95E-04
3.63E+02	1.94E-04	-7.78E-05	-3.67E-04
3.63E+02	2.65E-04	-2.29E-05	-3.60E-04
3.63E+02	3.43E-04	2.35E-05	-2.98E-04
3.63E+02	3.98E-04	6.39E-05	-2.75E-04
3.63E+02	4.05E-04	9.69E-05	-3.33E-04
3.63E+02	3.59E-04	1.23E-04	-4.18E-04
3.63E+02	3.32E-04	1.58E-04	-5.24E-04
3.63E+02	3.36E-04	2.29E-04	-5.68E-04
3.63E+02	3.06E-04	2.93E-04	-5.59E-04
3.63E+02	2.73E-04	3.29E-04	-5.09E-04
3.63E+02	2.54E-04	3.67E-04	-3.27E-04
3.63E+02	2.54E-04	3.65E-04	-1.08E-04
3.63E+02	2.68E-04	3.08E-04	5.04E-05
3.63E+02	2.36E-04	2.12E-04	1.66E-04
3.63E+02	2.24E-04	1.08E-04	2.24E-04
3.63E+02	2.54E-04	3.43E-05	2.53E-04
3.63E+02	2.43E-04	-5.55E-05	2.30E-04
3.63E+02	2.35E-04	-1.48E-04	1.79E-04
3.63E+02	2.62E-04	-1.94E-04	2.03E-04
3.63E+02	2.88E-04	-2.22E-04	2.12E-04
3.63E+02	2.98E-04	-2.38E-04	1.30E-04

3.63E+02	2.62E-04	-2.37E-04	2.02E-05
3.63E+02	2.35E-04	-2.13E-04	-9.88E-05
3.63E+02	2.31E-04	-1.55E-04	-1.78E-04
3.63E+02	1.68E-04	-1.12E-04	-2.30E-04
3.63E+02	9.29E-05	-8.70E-05	-2.84E-04
3.63E+02	3.97E-05	-4.48E-05	-2.21E-04
3.63E+02	5.91E-06	-1.37E-05	-1.13E-04
3.63E+02	4.01E-06	-1.35E-05	-8.53E-05
3.63E+02	-1.16E-05	-2.96E-05	-5.32E-05
3.63E+02	8.58E-06	-3.05E-05	-2.02E-05
3.63E+02	7.78E-05	-4.20E-06	7.63E-07
3.63E+02	1.16E-04	-3.81E-07	1.58E-05
3.63E+02	1.49E-04	-4.01E-05	1.20E-05
3.63E+02	1.72E-04	-1.01E-04	1.19E-04
3.63E+02	1.65E-04	-1.85E-04	2.96E-04
3.63E+02	1.40E-04	-2.77E-04	4.01E-04
3.63E+02	6.14E-05	-3.55E-04	4.42E-04
3.63E+02	2.29E-06	-3.87E-04	3.93E-04
3.63E+02	2.65E-05	-3.36E-04	3.23E-04
3.63E+02	4.44E-05	-2.62E-04	2.43E-04
3.63E+02	6.50E-05	-2.11E-04	9.19E-05
3.63E+02	1.12E-04	-1.51E-04	1.14E-06
3.63E+02	1.41E-04	-1.10E-04	-5.70E-05
3.63E+02	1.56E-04	-1.06E-04	-1.37E-04
3.63E+02	9.48E-05	-1.26E-04	-1.71E-04
3.63E+02	1.14E-06	-1.55E-04	-1.89E-04
3.63E+02	-4.27E-05	-1.48E-04	-1.74E-04
3.63E+02	-1.25E-04	-1.59E-04	-1.91E-04
3.63E+02	-2.18E-04	-1.98E-04	-2.74E-04
3.63E+02	-2.73E-04	-1.84E-04	-2.77E-04
3.63E+02	-3.11E-04	-1.30E-04	-2.24E-04
3.63E+02	-3.23E-04	-6.26E-05	-1.68E-04
3.63E+02	-3.54E-04	5.34E-06	-1.02E-04
3.63E+02	-3.52E-04	4.54E-05	-8.51E-05
3.63E+02	-2.72E-04	8.03E-05	-9.06E-05
3.63E+02	-2.00E-04	8.96E-05	-9.19E-05
3.63E+02	-1.48E-04	3.41E-05	-1.01E-04
3.63E+02	-8.24E-05	-2.46E-05	-1.54E-05
3.63E+02	-1.75E-05	-8.07E-05	1.37E-04
3.63E+02	3.93E-05	-1.56E-04	2.30E-04
3.63E+02	4.16E-05	-2.20E-04	3.29E-04
3.63E+02	9.16E-06	-2.53E-04	4.68E-04
3.63E+02	-7.63E-07	-2.31E-04	6.17E-04
3.63E+02	-3.49E-05	-1.81E-04	7.19E-04
3.63E+02	-8.91E-05	-1.39E-04	6.88E-04
3.63E+02	-1.26E-04	-7.65E-05	6.31E-04
3.63E+02	-1.38E-04	1.20E-05	6.05E-04

3.63E+02	-1.62E-04	8.60E-05	5.36E-04
3.63E+02	-2.57E-04	1.38E-04	4.34E-04
3.63E+02	-3.36E-04	1.85E-04	3.36E-04
3.63E+02	-3.71E-04	2.26E-04	2.87E-04
3.63E+02	-4.37E-04	2.41E-04	2.70E-04
3.63E+02	-5.11E-04	2.23E-04	2.33E-04
3.63E+02	-5.61E-04	2.08E-04	2.56E-04
3.63E+02	-5.87E-04	2.10E-04	3.38E-04
3.63E+02	-6.04E-04	1.99E-04	3.79E-04
3.63E+02	-6.54E-04	1.79E-04	4.05E-04
3.63E+02	-6.95E-04	1.76E-04	4.19E-04
3.63E+02	-6.75E-04	2.03E-04	4.02E-04
3.63E+02	-6.58E-04	2.10E-04	3.32E-04
3.63E+02	-6.48E-04	1.67E-04	1.75E-04
3.63E+02	-5.89E-04	1.14E-04	2.92E-05
3.63E+02	-5.02E-04	7.32E-05	-3.15E-05
3.63E+02	-4.15E-04	4.88E-05	-5.47E-05
3.63E+02	-3.58E-04	3.72E-05	-2.52E-05
3.63E+02	-3.17E-04	8.77E-06	2.71E-05
3.63E+02	-2.36E-04	-1.81E-05	6.89E-05
3.63E+02	-1.75E-04	-5.59E-05	1.04E-04
3.63E+02	-1.59E-04	-1.38E-04	6.45E-05
3.63E+02	-1.31E-04	-1.96E-04	4.14E-05
3.63E+02	-1.16E-04	-2.29E-04	6.50E-05
3.63E+02	-1.01E-04	-2.49E-04	4.90E-05
3.63E+02	-1.01E-04	-2.17E-04	8.87E-05
3.63E+02	-1.43E-04	-1.68E-04	1.66E-04
3.63E+02	-1.49E-04	-9.65E-05	2.35E-04
3.63E+02	-1.64E-04	-2.14E-05	2.93E-04
3.63E+02	-2.14E-04	1.53E-06	2.66E-04
3.63E+02	-2.31E-04	1.14E-06	2.42E-04
3.63E+02	-2.31E-04	-1.91E-06	2.61E-04
3.63E+02	-2.15E-04	-1.30E-05	2.33E-04
3.63E+02	-2.11E-04	-3.83E-05	1.83E-04
3.63E+02	-2.27E-04	-7.57E-05	1.48E-04
3.63E+02	-2.04E-04	-9.61E-05	1.36E-04
3.63E+02	-1.97E-04	-1.06E-04	1.20E-04
3.63E+02	-2.19E-04	-1.36E-04	4.62E-05
3.63E+02	-2.26E-04	-1.59E-04	-8.20E-06
3.63E+02	-2.26E-04	-1.61E-04	-2.92E-05
3.63E+02	-2.12E-04	-1.58E-04	-1.22E-04
3.63E+02	-2.35E-04	-1.58E-04	-2.48E-04
3.63E+02	-2.88E-04	-1.39E-04	-3.50E-04
3.63E+02	-2.92E-04	-5.46E-05	-3.99E-04
3.63E+02	-2.90E-04	5.30E-05	-3.91E-04
3.63E+02	-3.10E-04	1.23E-04	-3.89E-04
3.63E+02	-3.17E-04	1.63E-04	-3.47E-04

3.63E+02	-3.19E-04	1.72E-04	-2.54E-04
3.63E+02	-3.35E-04	1.54E-04	-1.74E-04
3.63E+02	-3.88E-04	1.26E-04	-9.21E-05
3.63E+02	-4.61E-04	1.00E-04	-3.19E-05
3.63E+02	-4.91E-04	1.08E-04	-1.53E-06
3.63E+02	-5.05E-04	1.36E-04	1.35E-05
3.63E+02	-5.39E-04	1.34E-04	-3.53E-05
3.63E+02	-5.45E-04	1.29E-04	-8.49E-05
3.63E+02	-5.21E-04	1.30E-04	-1.01E-04
3.63E+02	-4.63E-04	1.15E-04	-1.70E-04
3.63E+02	-4.02E-04	1.04E-04	-2.31E-04
3.63E+02	-3.77E-04	9.90E-05	-2.43E-04
3.63E+02	-3.20E-04	1.12E-04	-2.43E-04
3.63E+02	-2.65E-04	1.48E-04	-2.33E-04
3.63E+02	-2.46E-04	1.58E-04	-2.86E-04
3.63E+02	-1.83E-04	1.80E-04	-3.12E-04
3.63E+02	-1.08E-04	2.38E-04	-2.01E-04
3.63E+02	-1.01E-05	3.04E-04	-7.40E-05
3.63E+02	8.64E-05	3.97E-04	4.81E-05
3.63E+02	1.27E-04	4.77E-04	1.47E-04
3.63E+02	2.08E-04	5.45E-04	2.00E-04
3.63E+02	2.82E-04	6.24E-04	2.73E-04
3.63E+02	2.95E-04	6.65E-04	2.97E-04
3.63E+02	3.18E-04	6.88E-04	2.90E-04
3.63E+02	3.31E-04	7.23E-04	3.13E-04
3.63E+02	3.55E-04	7.57E-04	2.82E-04
3.63E+02	3.77E-04	7.89E-04	2.37E-04
3.63E+02	3.52E-04	8.13E-04	2.52E-04
3.63E+02	3.50E-04	8.30E-04	3.01E-04
3.63E+02	3.50E-04	8.29E-04	3.46E-04
3.63E+02	2.87E-04	7.66E-04	2.63E-04
3.63E+02	1.99E-04	6.59E-04	8.68E-05
3.63E+02	1.24E-04	5.67E-04	-2.80E-05
3.63E+02	7.08E-05	4.63E-04	-1.47E-04
3.63E+02	6.87E-06	3.53E-04	-2.56E-04
3.63E+02	-5.34E-05	2.71E-04	-2.91E-04
3.63E+02	-4.14E-05	2.01E-04	-2.96E-04
3.63E+02	-2.67E-06	1.73E-04	-2.20E-04
3.63E+02	1.58E-05	1.42E-04	-1.71E-04
3.63E+02	4.04E-05	9.96E-05	-2.00E-04
3.63E+02	6.50E-05	9.94E-05	-1.86E-04
3.63E+02	9.75E-05	1.27E-04	-2.19E-04
3.64E+02	1.24E-04	1.86E-04	-2.61E-04
3.64E+02	1.20E-04	2.80E-04	-2.15E-04
3.64E+02	1.53E-04	4.12E-04	-1.07E-04
3.64E+02	2.09E-04	5.60E-04	7.31E-05
3.64E+02	2.15E-04	6.31E-04	1.72E-04

3.64E+02	2.08E-04	6.12E-04	1.39E-04
3.64E+02	2.02E-04	5.76E-04	1.07E-04
3.64E+02	2.00E-04	5.21E-04	5.55E-05
3.64E+02	1.93E-04	4.37E-04	-9.35E-06
3.64E+02	1.35E-04	3.50E-04	-5.40E-05
3.64E+02	1.09E-04	2.80E-04	-8.41E-05
3.64E+02	1.31E-04	2.47E-04	-4.56E-05
3.64E+02	1.16E-04	2.23E-04	2.57E-05
3.64E+02	1.16E-04	1.94E-04	6.87E-05
3.64E+02	1.55E-04	1.96E-04	1.25E-04
3.64E+02	2.09E-04	2.13E-04	1.15E-04
3.64E+02	2.57E-04	2.40E-04	1.47E-05
3.64E+02	2.57E-04	2.78E-04	-3.78E-05
3.64E+02	2.61E-04	3.23E-04	-5.49E-05
3.64E+02	2.75E-04	3.92E-04	-4.83E-05
3.64E+02	2.35E-04	4.24E-04	-4.86E-05
3.64E+02	1.96E-04	4.04E-04	-9.94E-05
3.64E+02	1.88E-04	3.78E-04	-8.93E-05
3.64E+02	1.97E-04	3.53E-04	-7.04E-05
3.64E+02	2.18E-04	3.38E-04	-1.16E-04
3.64E+02	2.12E-04	3.20E-04	-1.56E-04
3.64E+02	2.21E-04	2.91E-04	-1.75E-04
3.64E+02	2.52E-04	2.89E-04	-1.26E-04
3.64E+02	2.38E-04	2.78E-04	-7.97E-05
3.64E+02	2.07E-04	2.40E-04	-8.83E-05
3.64E+02	1.61E-04	2.25E-04	-3.01E-05
3.64E+02	9.17E-05	2.12E-04	3.19E-05
3.64E+02	2.19E-05	2.00E-04	1.62E-05
3.64E+02	-7.97E-05	2.21E-04	7.63E-07
3.64E+02	-1.73E-04	2.82E-04	3.20E-05
3.64E+02	-2.42E-04	3.79E-04	1.19E-04
3.64E+02	-3.51E-04	4.31E-04	1.63E-04
3.64E+02	-4.59E-04	4.12E-04	1.27E-04
3.64E+02	-5.44E-04	4.02E-04	1.54E-04
3.64E+02	-6.09E-04	4.04E-04	2.04E-04
3.64E+02	-6.47E-04	4.02E-04	2.02E-04
3.64E+02	-6.84E-04	4.21E-04	1.94E-04
3.64E+02	-6.69E-04	4.69E-04	1.63E-04
3.64E+02	-5.86E-04	5.71E-04	1.50E-04
3.64E+02	-5.01E-04	6.66E-04	1.26E-04
3.64E+02	-4.10E-04	6.90E-04	4.23E-05
3.64E+02	-2.99E-04	7.06E-04	3.81E-06
3.64E+02	-1.83E-04	6.86E-04	-6.41E-05
3.64E+02	-5.59E-05	6.07E-04	-2.18E-04
3.64E+02	3.55E-05	5.23E-04	-3.03E-04
3.64E+02	9.98E-05	4.26E-04	-3.06E-04
3.64E+02	1.71E-04	3.64E-04	-2.41E-04

3.64E+02	1.86E-04	3.06E-04	-1.76E-04
3.64E+02	1.66E-04	2.18E-04	-1.98E-04
3.64E+02	1.50E-04	1.66E-04	-1.89E-04
3.64E+02	1.50E-04	1.36E-04	-1.79E-04
3.64E+02	1.77E-04	1.21E-04	-2.43E-04
3.64E+02	1.67E-04	1.16E-04	-3.13E-04
3.64E+02	1.80E-04	1.13E-04	-3.99E-04
3.64E+02	2.62E-04	1.38E-04	-4.35E-04
3.64E+02	3.20E-04	1.56E-04	-3.98E-04
3.64E+02	3.73E-04	1.54E-04	-3.68E-04
3.64E+02	4.59E-04	1.67E-04	-2.58E-04
3.64E+02	5.63E-04	1.81E-04	-1.23E-04
3.64E+02	6.79E-04	1.75E-04	-9.35E-05
3.64E+02	7.66E-04	1.69E-04	-8.30E-05
3.64E+02	8.17E-04	1.66E-04	-9.82E-05
3.64E+02	8.78E-04	1.81E-04	-1.09E-04
3.64E+02	9.04E-04	1.99E-04	-7.84E-05
3.64E+02	8.71E-04	1.68E-04	-9.02E-05
3.64E+02	8.23E-04	1.40E-04	-4.98E-05
3.64E+02	7.42E-04	1.41E-04	7.44E-06
3.64E+02	6.11E-04	1.42E-04	-3.76E-05
3.64E+02	4.09E-04	1.54E-04	-1.21E-04
3.64E+02	1.70E-04	1.83E-04	-2.06E-04
3.64E+02	-2.17E-05	2.52E-04	-2.10E-04
3.64E+02	-2.31E-04	3.44E-04	-1.26E-04
3.64E+02	-4.53E-04	4.15E-04	-5.49E-05
3.64E+02	-6.27E-04	4.79E-04	6.24E-05
3.64E+02	-7.67E-04	5.21E-04	2.06E-04
3.64E+02	-8.44E-04	5.16E-04	2.60E-04
3.64E+02	-8.91E-04	4.79E-04	2.67E-04
3.64E+02	-8.96E-04	4.32E-04	2.32E-04
3.64E+02	-8.10E-04	4.26E-04	1.47E-04
3.64E+02	-7.22E-04	4.39E-04	4.20E-06
3.64E+02	-6.51E-04	4.18E-04	-2.53E-04
3.64E+02	-5.58E-04	4.06E-04	-4.60E-04
3.64E+02	-4.58E-04	4.21E-04	-5.52E-04
3.64E+02	-3.58E-04	4.36E-04	-6.21E-04
3.64E+02	-2.97E-04	4.64E-04	-6.27E-04
3.64E+02	-2.25E-04	5.14E-04	-6.04E-04
3.64E+02	-8.72E-05	5.84E-04	-5.54E-04
3.64E+02	2.96E-05	6.33E-04	-4.69E-04
3.64E+02	9.67E-05	6.13E-04	-4.20E-04
3.64E+02	1.47E-04	5.86E-04	-3.31E-04
3.64E+02	1.84E-04	5.64E-04	-2.32E-04
3.64E+02	2.17E-04	5.06E-04	-2.12E-04
3.64E+02	2.06E-04	4.37E-04	-1.84E-04
3.64E+02	1.62E-04	3.62E-04	-1.19E-04

3.64E+02	1.54E-04	3.20E-04	-4.04E-05
3.64E+02	1.34E-04	3.16E-04	2.00E-05
3.64E+02	8.77E-05	2.98E-04	-2.04E-05
3.64E+02	8.49E-05	3.09E-04	-7.04E-05
3.64E+02	1.05E-04	3.46E-04	-5.55E-05
3.64E+02	1.35E-04	3.70E-04	-9.67E-05
3.64E+02	1.68E-04	4.01E-04	-1.70E-04
3.64E+02	1.84E-04	4.24E-04	-2.32E-04
3.64E+02	2.30E-04	4.47E-04	-3.36E-04
3.64E+02	2.89E-04	4.81E-04	-4.40E-04
3.64E+02	3.24E-04	4.80E-04	-5.36E-04
3.64E+02	3.47E-04	4.64E-04	-5.43E-04
3.64E+02	3.52E-04	4.58E-04	-4.34E-04
3.64E+02	3.49E-04	4.16E-04	-3.97E-04
3.64E+02	3.11E-04	3.41E-04	-3.97E-04
3.64E+02	2.30E-04	2.64E-04	-3.32E-04
3.64E+02	2.00E-04	2.13E-04	-2.16E-04
3.64E+02	1.92E-04	1.74E-04	-7.00E-05
3.64E+02	1.53E-04	9.08E-05	-4.39E-06
3.64E+02	1.41E-04	-3.81E-07	4.08E-05
3.64E+02	1.48E-04	-5.91E-05	1.55E-04
3.64E+02	1.68E-04	-1.07E-04	2.35E-04
3.64E+02	1.61E-04	-1.58E-04	2.73E-04
3.64E+02	1.12E-04	-1.91E-04	2.85E-04
3.64E+02	1.05E-04	-1.77E-04	2.54E-04
3.64E+02	9.10E-05	-1.31E-04	2.36E-04
3.64E+02	4.33E-05	-7.11E-05	1.99E-04
3.64E+02	1.49E-05	3.81E-07	1.45E-04
3.64E+02	-2.17E-05	6.68E-05	1.58E-04
3.64E+02	-3.55E-05	1.06E-04	1.72E-04
3.64E+02	-5.55E-05	1.01E-04	1.70E-04
3.64E+02	-1.27E-04	6.94E-05	1.89E-04
3.64E+02	-1.54E-04	5.25E-05	1.70E-04
3.64E+02	-1.69E-04	5.05E-05	1.18E-04
3.64E+02	-2.21E-04	3.01E-05	6.29E-06
3.64E+02	-2.34E-04	1.34E-05	-1.36E-04
3.64E+02	-2.07E-04	3.99E-05	-2.34E-04
3.64E+02	-1.52E-04	8.66E-05	-3.73E-04
3.64E+02	-1.12E-04	1.38E-04	-5.33E-04
3.64E+02	-1.04E-04	1.76E-04	-6.52E-04
3.64E+02	-6.41E-05	2.09E-04	-7.28E-04
3.64E+02	-3.41E-05	2.54E-04	-7.21E-04
3.64E+02	-4.94E-05	2.77E-04	-6.93E-04
3.64E+02	-6.81E-05	3.06E-04	-6.47E-04
3.64E+02	-7.99E-05	3.59E-04	-5.02E-04
3.64E+02	-7.53E-05	4.02E-04	-3.12E-04
3.64E+02	-9.23E-05	4.30E-04	-7.71E-05

3.64E+02	-1.31E-04	4.39E-04	2.00E-04
3.64E+02	-1.31E-04	4.32E-04	4.09E-04
3.64E+02	-1.06E-04	4.31E-04	5.55E-04
3.64E+02	-7.63E-05	4.17E-04	5.45E-04
3.64E+02	-8.77E-06	3.53E-04	3.84E-04
3.64E+02	1.24E-04	2.99E-04	3.19E-04
3.64E+02	2.83E-04	2.58E-04	3.06E-04
3.64E+02	4.06E-04	1.96E-04	2.59E-04
3.64E+02	4.92E-04	1.37E-04	1.85E-04
3.64E+02	5.87E-04	7.48E-05	4.77E-05
3.64E+02	6.72E-04	2.98E-05	-4.10E-05
3.64E+02	6.98E-04	-2.90E-05	-9.71E-05
3.64E+02	7.01E-04	-9.77E-05	-1.54E-04
3.64E+02	6.85E-04	-1.24E-04	-1.41E-04
3.64E+02	6.52E-04	-1.38E-04	-1.55E-04
3.64E+02	5.97E-04	-1.42E-04	-2.10E-04
3.64E+02	4.66E-04	-1.52E-04	-2.20E-04
3.64E+02	3.31E-04	-1.56E-04	-2.10E-04
3.64E+02	2.03E-04	-1.18E-04	-2.16E-04
3.64E+02	4.18E-05	-9.69E-05	-2.63E-04
3.64E+02	-9.73E-05	-8.68E-05	-3.21E-04
3.64E+02	-2.09E-04	-3.91E-05	-2.86E-04
3.64E+02	-2.77E-04	4.67E-05	-1.82E-04
3.64E+02	-3.32E-04	1.71E-04	-5.97E-05
3.64E+02	-4.22E-04	3.12E-04	9.19E-05
3.64E+02	-4.53E-04	4.47E-04	2.29E-04
3.64E+02	-4.13E-04	5.74E-04	3.41E-04
3.64E+02	-3.88E-04	6.35E-04	3.84E-04
3.64E+02	-3.36E-04	6.20E-04	3.28E-04
3.64E+02	-2.37E-04	5.83E-04	2.69E-04
3.64E+02	-1.16E-04	5.26E-04	1.35E-04
3.64E+02	2.02E-05	4.74E-04	-8.22E-05
3.64E+02	9.92E-05	4.41E-04	-2.53E-04
3.64E+02	1.63E-04	4.22E-04	-3.76E-04
3.64E+02	2.30E-04	4.14E-04	-4.19E-04
3.64E+02	2.01E-04	3.59E-04	-4.57E-04
3.64E+02	1.27E-04	2.54E-04	-5.26E-04
3.64E+02	5.36E-05	1.63E-04	-4.90E-04
3.64E+02	-1.70E-05	9.16E-05	-4.15E-04
3.64E+02	-7.04E-05	3.53E-05	-3.64E-04
3.64E+02	-1.33E-04	1.87E-05	-2.84E-04
3.64E+02	-1.48E-04	4.90E-05	-2.25E-04
3.64E+02	-8.18E-05	1.32E-04	-1.56E-04
3.64E+02	-1.53E-05	2.16E-04	-8.05E-05
3.64E+02	5.44E-05	2.66E-04	-7.99E-05
3.64E+02	1.39E-04	3.18E-04	-4.37E-05
3.64E+02	2.00E-04	3.43E-04	2.54E-05

3.64E+02	2.34E-04	3.31E-04	5.66E-05
3.64E+02	1.96E-04	3.15E-04	1.41E-04
3.64E+02	1.40E-04	3.22E-04	2.71E-04
3.64E+02	1.24E-04	3.78E-04	4.37E-04
3.64E+02	5.89E-05	4.14E-04	5.59E-04
3.64E+02	5.91E-06	3.99E-04	5.73E-04
3.64E+02	1.53E-05	3.90E-04	6.16E-04
3.65E+02	4.88E-05	3.77E-04	6.43E-04
3.65E+02	9.69E-05	3.41E-04	5.75E-04
3.65E+02	1.05E-04	2.84E-04	4.35E-04
3.65E+02	1.24E-04	2.24E-04	2.05E-04
3.65E+02	1.79E-04	2.05E-04	1.98E-05
3.65E+02	1.73E-04	1.97E-04	-7.29E-05
3.65E+02	1.29E-04	1.69E-04	-1.13E-04
3.65E+02	6.08E-05	1.48E-04	-2.14E-05
3.65E+02	-3.09E-05	1.13E-04	1.07E-04
3.65E+02	-1.13E-04	4.12E-05	1.63E-04
3.65E+02	-2.48E-04	-4.58E-05	2.19E-04
3.65E+02	-3.64E-04	-1.04E-04	3.01E-04
3.65E+02	-4.04E-04	-1.04E-04	4.05E-04
3.65E+02	-4.74E-04	-9.29E-05	4.64E-04
3.65E+02	-5.41E-04	-1.04E-04	4.37E-04
3.65E+02	-5.72E-04	-9.88E-05	4.48E-04
3.65E+02	-5.81E-04	-9.02E-05	4.83E-04
3.65E+02	-5.66E-04	-1.11E-04	4.57E-04
3.65E+02	-5.87E-04	-1.38E-04	4.37E-04
3.65E+02	-6.08E-04	-1.66E-04	4.10E-04
3.65E+02	-5.87E-04	-1.64E-04	3.84E-04
3.65E+02	-5.81E-04	-1.31E-04	3.70E-04
3.65E+02	-5.80E-04	-1.05E-04	3.04E-04
3.65E+02	-5.57E-04	-5.42E-05	2.72E-04
3.65E+02	-5.18E-04	8.39E-06	2.31E-04
3.65E+02	-4.73E-04	3.57E-05	8.54E-05
3.65E+02	-4.60E-04	3.81E-05	-3.22E-05
3.65E+02	-4.30E-04	5.74E-05	-9.02E-05
3.65E+02	-3.48E-04	9.77E-05	-1.07E-04
3.65E+02	-2.87E-04	1.24E-04	-8.01E-05
3.65E+02	-2.28E-04	1.25E-04	-6.68E-05
3.65E+02	-1.49E-04	1.21E-04	2.52E-05
3.65E+02	-8.75E-05	1.38E-04	2.20E-04
3.65E+02	-3.47E-05	1.60E-04	3.87E-04
3.65E+02	-3.24E-05	1.79E-04	5.25E-04
3.65E+02	-5.05E-05	2.10E-04	6.01E-04
3.65E+02	-6.48E-06	2.70E-04	6.10E-04
3.65E+02	3.41E-05	3.52E-04	5.97E-04
3.65E+02	4.35E-05	4.18E-04	5.16E-04
3.65E+02	6.10E-05	4.79E-04	4.62E-04

3.65E+02	8.70E-05	5.22E-04	4.59E-04
3.65E+02	1.11E-04	5.14E-04	4.09E-04
3.65E+02	8.37E-05	4.53E-04	3.86E-04
3.65E+02	2.52E-05	3.51E-04	3.61E-04
3.65E+02	-1.66E-05	2.64E-04	3.01E-04
3.65E+02	-8.77E-05	1.94E-04	2.38E-04
3.65E+02	-1.65E-04	1.06E-04	1.01E-04
3.65E+02	-1.96E-04	5.09E-05	7.63E-07
3.65E+02	-1.98E-04	4.04E-05	1.20E-05
3.65E+02	-1.69E-04	3.89E-05	2.67E-05
3.65E+02	-1.71E-04	2.59E-05	6.26E-05
3.65E+02	-2.07E-04	-1.43E-05	1.21E-04
3.65E+02	-2.08E-04	-4.56E-05	1.83E-04
3.65E+02	-2.32E-04	-5.46E-05	2.62E-04
3.65E+02	-3.02E-04	-7.95E-05	2.80E-04
3.65E+02	-3.53E-04	-8.07E-05	2.67E-04
3.65E+02	-3.85E-04	-5.63E-05	2.83E-04
3.65E+02	-4.04E-04	-6.20E-05	2.49E-04
3.65E+02	-4.35E-04	-7.92E-05	2.05E-04
3.65E+02	-4.78E-04	-1.04E-04	2.04E-04
3.65E+02	-4.73E-04	-1.23E-04	2.28E-04
3.65E+02	-4.58E-04	-1.34E-04	2.43E-04
3.65E+02	-4.61E-04	-1.86E-04	1.58E-04
3.65E+02	-4.38E-04	-2.41E-04	7.11E-05
3.65E+02	-4.05E-04	-2.53E-04	4.33E-05
3.65E+02	-3.70E-04	-2.63E-04	-2.48E-05
3.65E+02	-3.60E-04	-2.72E-04	-8.34E-05
3.65E+02	-3.66E-04	-2.67E-04	-1.34E-04
3.65E+02	-3.05E-04	-2.34E-04	-1.67E-04
3.65E+02	-2.38E-04	-1.91E-04	-1.53E-04
3.65E+02	-2.06E-04	-2.04E-04	-1.93E-04
3.65E+02	-1.51E-04	-2.24E-04	-2.11E-04
3.65E+02	-1.06E-04	-2.29E-04	-1.41E-04
3.65E+02	-5.17E-05	-2.66E-04	-1.04E-04
3.65E+02	-7.25E-06	-3.11E-04	-6.58E-05
3.65E+02	7.25E-06	-3.29E-04	6.03E-05
3.65E+02	8.62E-05	-2.83E-04	2.55E-04
3.65E+02	1.47E-04	-2.12E-04	4.27E-04
3.65E+02	1.65E-04	-1.68E-04	4.66E-04
3.65E+02	2.13E-04	-1.20E-04	4.23E-04
3.65E+02	2.47E-04	-6.41E-05	3.98E-04
3.65E+02	2.82E-04	-2.21E-05	3.44E-04
3.65E+02	2.70E-04	-1.91E-06	2.62E-04
3.65E+02	1.74E-04	-1.49E-05	1.95E-04
3.65E+02	8.89E-05	-3.72E-05	1.40E-04
3.65E+02	-4.77E-06	-5.00E-05	1.55E-04
3.65E+02	-1.35E-04	-9.37E-05	1.65E-04

3.65E+02	-2.41E-04	-1.48E-04	1.57E-04
3.65E+02	-3.03E-04	-1.82E-04	2.26E-04
3.65E+02	-3.10E-04	-2.27E-04	2.48E-04
3.65E+02	-3.07E-04	-2.71E-04	2.42E-04
3.65E+02	-3.32E-04	-3.11E-04	2.81E-04
3.65E+02	-3.02E-04	-3.38E-04	2.85E-04
3.65E+02	-2.52E-04	-3.34E-04	2.78E-04
3.65E+02	-2.44E-04	-3.47E-04	2.19E-04
3.65E+02	-2.12E-04	-3.59E-04	1.12E-04
3.65E+02	-1.59E-04	-3.45E-04	7.69E-05
3.65E+02	-8.56E-05	-3.22E-04	6.39E-05
3.65E+02	-2.56E-05	-3.12E-04	5.91E-06
3.65E+02	-1.95E-05	-3.46E-04	-8.51E-05
3.65E+02	1.89E-05	-3.82E-04	-1.90E-04
3.65E+02	6.75E-05	-4.18E-04	-2.68E-04
3.65E+02	5.99E-05	-4.90E-04	-3.29E-04
3.65E+02	4.01E-05	-5.67E-04	-3.37E-04
3.65E+02	2.77E-05	-6.39E-04	-2.58E-04
3.65E+02	1.51E-05	-7.15E-04	-2.16E-04
3.65E+02	-1.72E-05	-7.88E-04	-2.31E-04
3.65E+02	-9.54E-05	-8.53E-04	-2.32E-04
3.65E+02	-1.59E-04	-8.67E-04	-2.23E-04
3.65E+02	-1.93E-04	-8.24E-04	-1.86E-04
3.65E+02	-2.44E-04	-7.85E-04	-1.96E-04
3.65E+02	-2.64E-04	-7.41E-04	-2.58E-04
3.65E+02	-2.43E-04	-6.65E-04	-2.23E-04
3.65E+02	-1.94E-04	-5.82E-04	-1.51E-04
3.65E+02	-1.34E-04	-5.01E-04	-9.12E-05
3.65E+02	-1.05E-04	-4.51E-04	-3.34E-05
3.65E+02	-5.05E-05	-4.26E-04	-6.62E-05
3.65E+02	2.96E-05	-3.88E-04	-1.35E-04
3.65E+02	6.41E-05	-3.75E-04	-2.42E-04
3.65E+02	7.80E-05	-3.85E-04	-3.64E-04
3.65E+02	9.46E-05	-3.71E-04	-3.57E-04
3.65E+02	1.14E-04	-3.79E-04	-3.41E-04
3.65E+02	1.14E-04	-4.31E-04	-3.47E-04
3.65E+02	5.05E-05	-4.95E-04	-2.77E-04
3.65E+02	1.53E-06	-5.70E-04	-2.04E-04
3.65E+02	-1.32E-05	-6.18E-04	-1.25E-04
3.65E+02	-7.13E-05	-6.79E-04	-1.03E-04
3.65E+02	-1.00E-04	-7.73E-04	-1.62E-04
3.65E+02	-8.11E-05	-8.14E-04	-1.43E-04
3.65E+02	-5.42E-05	-8.49E-04	-1.20E-04
3.65E+02	-1.28E-05	-8.98E-04	-1.40E-04
3.65E+02	-1.03E-05	-9.25E-04	-1.16E-04
3.65E+02	5.15E-06	-9.51E-04	-1.09E-04
3.65E+02	6.07E-05	-9.24E-04	-9.23E-05

3.65E+02	7.76E-05	-8.65E-04	-6.54E-05
3.65E+02	8.72E-05	-8.02E-04	-8.45E-05
3.65E+02	9.46E-05	-6.84E-04	-6.22E-05
3.65E+02	8.13E-05	-5.53E-04	-5.05E-05
3.65E+02	4.98E-05	-4.32E-04	-9.21E-05
3.65E+02	-5.07E-05	-3.28E-04	-9.12E-05
3.65E+02	-1.55E-04	-2.49E-04	-5.47E-05
3.65E+02	-2.24E-04	-1.70E-04	1.68E-05
3.65E+02	-3.34E-04	-1.41E-04	8.70E-05
3.65E+02	-4.40E-04	-1.45E-04	1.34E-04
3.65E+02	-5.17E-04	-1.41E-04	2.01E-04
3.65E+02	-5.62E-04	-1.49E-04	2.11E-04
3.65E+02	-5.64E-04	-1.41E-04	1.27E-04
3.65E+02	-5.81E-04	-1.22E-04	1.03E-05
3.65E+02	-5.52E-04	-1.13E-04	-1.36E-04
3.65E+02	-4.45E-04	-9.78E-05	-2.48E-04
3.65E+02	-3.56E-04	-1.13E-04	-3.07E-04
3.65E+02	-2.74E-04	-1.68E-04	-4.08E-04
3.65E+02	-1.76E-04	-2.16E-04	-4.71E-04
3.65E+02	-7.82E-05	-2.64E-04	-4.61E-04
3.65E+02	1.77E-05	-3.21E-04	-4.48E-04
3.65E+02	6.12E-05	-3.76E-04	-3.76E-04
3.65E+02	1.02E-04	-4.13E-04	-3.13E-04
3.65E+02	1.98E-04	-3.99E-04	-2.83E-04
3.65E+02	2.65E-04	-3.76E-04	-2.42E-04
3.65E+02	3.16E-04	-4.03E-04	-2.70E-04
3.65E+02	3.90E-04	-4.51E-04	-2.80E-04
3.65E+02	4.56E-04	-5.04E-04	-2.25E-04
3.65E+02	4.91E-04	-5.85E-04	-1.80E-04
3.65E+02	4.61E-04	-6.80E-04	-9.48E-05
3.65E+02	4.20E-04	-7.63E-04	-5.72E-06
3.65E+02	4.25E-04	-8.20E-04	7.63E-05
3.65E+02	4.06E-04	-8.51E-04	1.71E-04
3.65E+02	3.57E-04	-8.98E-04	1.97E-04
3.65E+02	3.40E-04	-9.22E-04	2.66E-04
3.65E+02	3.58E-04	-9.11E-04	3.56E-04
3.65E+02	3.85E-04	-9.20E-04	3.14E-04
3.65E+02	4.03E-04	-9.19E-04	2.42E-04
3.65E+02	4.16E-04	-8.90E-04	1.61E-04
3.65E+02	4.64E-04	-8.02E-04	9.44E-05
3.65E+02	4.97E-04	-6.72E-04	2.38E-05
3.65E+02	4.94E-04	-5.77E-04	-1.34E-04
3.65E+02	5.06E-04	-4.83E-04	-2.31E-04
3.65E+02	5.05E-04	-3.85E-04	-2.78E-04
3.65E+02	4.88E-04	-3.17E-04	-3.66E-04
3.65E+02	4.42E-04	-2.59E-04	-4.36E-04
3.65E+02	3.81E-04	-1.94E-04	-4.71E-04

3.65E+02	3.66E-04	-1.06E-04	-4.34E-04
3.65E+02	3.34E-04	-3.55E-05	-3.59E-04
3.65E+02	3.02E-04	-1.05E-05	-2.96E-04
3.65E+02	2.82E-04	7.63E-07	-1.62E-04
3.65E+02	2.41E-04	-2.33E-05	4.01E-06
3.65E+02	2.30E-04	-9.59E-05	6.50E-05
3.65E+02	1.94E-04	-1.96E-04	9.12E-05
3.65E+02	1.37E-04	-2.95E-04	1.88E-04
3.65E+02	1.31E-04	-3.59E-04	3.34E-04
3.65E+02	1.18E-04	-3.99E-04	4.89E-04
3.65E+02	9.31E-05	-4.35E-04	5.85E-04
3.65E+02	8.60E-05	-4.55E-04	6.80E-04
3.65E+02	8.32E-05	-4.54E-04	7.64E-04
3.65E+02	8.45E-05	-4.47E-04	7.19E-04
3.65E+02	4.62E-05	-4.33E-04	6.12E-04
3.65E+02	-6.87E-06	-4.01E-04	4.54E-04
3.65E+02	-5.53E-06	-3.42E-04	2.86E-04
3.65E+02	-2.44E-05	-2.70E-04	1.67E-04
3.65E+02	-6.68E-05	-2.36E-04	1.35E-05
3.66E+02	-8.54E-05	-2.16E-04	-8.85E-05
3.66E+02	-1.08E-04	-1.88E-04	-1.11E-04
3.66E+02	-1.04E-04	-1.98E-04	-1.75E-04
3.66E+02	-1.16E-04	-2.36E-04	-2.32E-04
3.66E+02	-1.58E-04	-2.78E-04	-2.64E-04
3.66E+02	-1.48E-04	-2.86E-04	-2.77E-04
3.66E+02	-1.43E-04	-2.64E-04	-2.52E-04
3.66E+02	-1.59E-04	-2.58E-04	-2.52E-04
3.66E+02	-1.38E-04	-2.40E-04	-2.18E-04
3.66E+02	-7.86E-05	-2.09E-04	-9.14E-05
3.66E+02	9.73E-06	-1.94E-04	3.89E-05
3.66E+02	6.62E-05	-1.83E-04	1.42E-04
3.66E+02	8.16E-05	-1.78E-04	2.11E-04
3.66E+02	1.20E-04	-1.43E-04	2.35E-04
3.66E+02	1.25E-04	-9.31E-05	2.49E-04
3.66E+02	5.38E-05	-8.96E-05	2.19E-04
3.66E+02	-1.26E-05	-9.59E-05	1.89E-04
3.66E+02	-5.80E-05	-9.88E-05	2.16E-04
3.66E+02	-9.16E-05	-1.32E-04	2.16E-04
3.66E+02	-1.19E-04	-1.84E-04	2.21E-04
3.66E+02	-1.42E-04	-2.31E-04	2.70E-04
3.66E+02	-9.99E-05	-2.41E-04	3.29E-04
3.66E+02	-5.04E-05	-2.19E-04	3.49E-04
3.66E+02	-3.78E-05	-2.23E-04	2.42E-04
3.66E+02	-1.64E-05	-2.42E-04	8.95E-05
3.66E+02	-2.67E-06	-2.36E-04	8.20E-06
3.66E+02	1.41E-05	-2.36E-04	-6.37E-05
3.66E+02	5.15E-06	-2.43E-04	-1.13E-04

3.66E+02	-2.61E-05	-2.41E-04	-1.12E-04
3.66E+02	8.77E-06	-2.23E-04	-8.74E-05
3.66E+02	5.57E-05	-1.88E-04	1.91E-07
3.66E+02	8.83E-05	-1.88E-04	9.98E-05
3.66E+02	1.53E-04	-1.78E-04	2.32E-04
3.66E+02	2.02E-04	-1.41E-04	3.89E-04
3.66E+02	2.54E-04	-1.15E-04	4.20E-04
3.66E+02	3.03E-04	-5.57E-05	3.79E-04
3.66E+02	2.87E-04	1.20E-05	3.22E-04
3.66E+02	2.95E-04	9.38E-05	2.41E-04
3.66E+02	3.13E-04	1.87E-04	1.92E-04
3.66E+02	2.69E-04	2.09E-04	1.57E-04
3.66E+02	2.38E-04	2.04E-04	1.88E-04
3.66E+02	2.16E-04	1.91E-04	3.29E-04
3.66E+02	1.84E-04	1.65E-04	4.54E-04
3.66E+02	1.23E-04	1.51E-04	5.21E-04
3.66E+02	9.16E-06	1.39E-04	5.36E-04
3.66E+02	-5.70E-05	1.71E-04	4.85E-04
3.66E+02	-8.83E-05	2.54E-04	4.04E-04
3.66E+02	-1.41E-04	3.36E-04	2.43E-04
3.66E+02	-1.56E-04	4.07E-04	7.06E-05
3.66E+02	-1.34E-04	4.57E-04	7.44E-06
3.66E+02	-8.56E-05	4.51E-04	-6.22E-05
3.66E+02	-2.94E-05	3.87E-04	-1.59E-04
3.66E+02	2.86E-06	3.01E-04	-2.36E-04
3.66E+02	7.90E-05	2.18E-04	-3.14E-04
3.66E+02	1.69E-04	1.69E-04	-3.44E-04
3.66E+02	2.20E-04	1.24E-04	-4.03E-04
3.66E+02	2.92E-04	7.59E-05	-4.69E-04
3.66E+02	3.83E-04	7.50E-05	-3.92E-04
3.66E+02	4.63E-04	5.25E-05	-2.82E-04
3.66E+02	5.06E-04	-1.98E-05	-1.97E-04
3.66E+02	4.99E-04	-1.01E-04	-8.95E-05
3.66E+02	5.11E-04	-1.80E-04	-2.21E-05
3.66E+02	5.28E-04	-2.44E-04	3.59E-05
3.66E+02	4.86E-04	-3.16E-04	7.08E-05
3.66E+02	4.36E-04	-3.80E-04	8.64E-05
3.66E+02	4.03E-04	-3.96E-04	1.99E-04
3.66E+02	3.73E-04	-3.86E-04	3.33E-04
3.66E+02	3.40E-04	-3.66E-04	4.44E-04
3.66E+02	2.82E-04	-3.37E-04	5.76E-04
3.66E+02	2.64E-04	-2.89E-04	6.75E-04
3.66E+02	2.82E-04	-2.27E-04	7.40E-04
3.66E+02	2.54E-04	-2.02E-04	7.12E-04
3.66E+02	2.27E-04	-2.11E-04	5.91E-04
3.66E+02	2.09E-04	-1.90E-04	4.92E-04
3.66E+02	1.83E-04	-1.50E-04	3.52E-04

3.66E+02	1.50E-04	-1.02E-04	1.74E-04
3.66E+02	8.22E-05	-4.98E-05	4.79E-05
3.66E+02	5.99E-05	-6.87E-06	-1.28E-05
3.66E+02	7.27E-05	4.33E-05	-5.34E-06
3.66E+02	4.16E-05	5.87E-05	-3.97E-05
3.66E+02	7.25E-06	6.12E-05	-9.94E-05
3.66E+02	-2.90E-05	1.13E-04	-7.90E-05
3.66E+02	-7.06E-05	1.65E-04	-1.06E-04
3.66E+02	-1.28E-04	2.09E-04	-1.85E-04
3.66E+02	-2.29E-04	2.47E-04	-2.23E-04
3.66E+02	-2.99E-04	2.62E-04	-2.54E-04
3.66E+02	-3.33E-04	2.69E-04	-2.53E-04
3.66E+02	-3.89E-04	2.18E-04	-2.74E-04
3.66E+02	-4.13E-04	1.16E-04	-3.34E-04
3.66E+02	-3.83E-04	3.72E-05	-3.25E-04
3.66E+02	-3.15E-04	-3.51E-05	-3.00E-04
3.66E+02	-2.26E-04	-1.03E-04	-2.86E-04
3.66E+02	-1.77E-04	-1.53E-04	-2.56E-04
3.66E+02	-1.12E-04	-2.04E-04	-2.42E-04
3.66E+02	-1.03E-05	-2.37E-04	-1.81E-04
3.66E+02	4.44E-05	-2.88E-04	-1.17E-04
3.66E+02	8.68E-05	-3.63E-04	-6.47E-05
3.66E+02	1.37E-04	-3.97E-04	1.13E-04
3.66E+02	1.99E-04	-4.27E-04	2.95E-04
3.66E+02	2.53E-04	-4.61E-04	4.07E-04
3.66E+02	2.31E-04	-4.88E-04	4.86E-04
3.66E+02	2.20E-04	-4.83E-04	4.79E-04
3.66E+02	2.36E-04	-3.94E-04	4.27E-04
3.66E+02	1.74E-04	-3.17E-04	3.03E-04
3.66E+02	8.20E-05	-2.53E-04	1.33E-04
3.66E+02	6.10E-06	-1.57E-04	5.26E-05
3.66E+02	-5.57E-05	-9.21E-05	3.30E-05
3.66E+02	-1.05E-04	-4.23E-05	3.55E-05
3.66E+02	-1.83E-04	-2.04E-05	6.31E-05
3.66E+02	-2.37E-04	-2.78E-05	5.61E-05
3.66E+02	-2.24E-04	-1.91E-05	2.98E-05
3.66E+02	-2.13E-04	-2.35E-05	1.22E-05
3.66E+02	-1.83E-04	-3.57E-05	-1.66E-05
3.66E+02	-9.19E-05	-1.98E-05	1.18E-05
3.66E+02	4.29E-05	1.68E-05	5.46E-05
3.66E+02	2.00E-04	5.26E-05	3.05E-05
3.66E+02	3.13E-04	8.43E-05	2.69E-05
3.66E+02	4.05E-04	1.29E-04	4.96E-05
3.66E+02	4.89E-04	1.81E-04	6.96E-05
3.66E+02	4.93E-04	2.00E-04	6.16E-05
3.66E+02	4.50E-04	1.76E-04	1.60E-05
3.66E+02	4.05E-04	1.51E-04	4.39E-05

3.66E+02	3.66E-04	1.30E-04	1.27E-04
3.66E+02	3.38E-04	1.04E-04	1.86E-04
3.66E+02	2.85E-04	8.66E-05	2.32E-04
3.66E+02	2.53E-04	7.53E-05	2.27E-04
3.66E+02	2.91E-04	8.45E-05	1.85E-04
3.66E+02	3.09E-04	9.25E-05	1.17E-04
3.66E+02	2.95E-04	6.75E-05	-5.57E-05
3.66E+02	2.97E-04	6.56E-05	-2.33E-04
3.66E+02	2.89E-04	9.73E-05	-3.27E-04
3.66E+02	2.90E-04	1.32E-04	-4.07E-04
3.66E+02	2.61E-04	1.77E-04	-4.00E-04
3.66E+02	2.20E-04	2.27E-04	-3.08E-04
3.66E+02	2.31E-04	3.04E-04	-2.05E-04
3.66E+02	1.94E-04	3.71E-04	-1.60E-04
3.66E+02	1.26E-04	3.84E-04	-2.55E-04
3.66E+02	8.74E-05	3.98E-04	-3.42E-04
3.66E+02	4.04E-05	4.11E-04	-3.64E-04
3.66E+02	2.67E-06	4.12E-04	-3.58E-04
3.66E+02	-7.06E-05	3.99E-04	-2.65E-04
3.66E+02	-1.52E-04	3.62E-04	-1.44E-04
3.66E+02	-1.50E-04	3.47E-04	-1.79E-05
3.66E+02	-1.67E-04	3.01E-04	8.93E-05
3.66E+02	-2.19E-04	1.94E-04	9.96E-05
3.66E+02	-2.37E-04	1.08E-04	1.13E-04
3.66E+02	-2.40E-04	3.11E-05	1.44E-04
3.66E+02	-2.25E-04	-5.05E-05	1.05E-04
3.66E+02	-2.53E-04	-1.16E-04	7.74E-05
3.66E+02	-3.13E-04	-1.71E-04	8.22E-05
3.66E+02	-3.22E-04	-1.81E-04	1.31E-04
3.66E+02	-3.42E-04	-1.72E-04	2.11E-04
3.66E+02	-3.79E-04	-1.90E-04	2.10E-04
3.66E+02	-3.76E-04	-1.99E-04	1.99E-04
3.66E+02	-3.33E-04	-2.02E-04	1.97E-04
3.66E+02	-2.63E-04	-2.08E-04	1.11E-04
3.66E+02	-2.23E-04	-2.16E-04	-2.37E-05
3.66E+02	-1.84E-04	-2.37E-04	-2.00E-04
3.66E+02	-1.00E-04	-2.35E-04	-3.70E-04
3.66E+02	-4.65E-05	-2.13E-04	-4.65E-04
3.66E+02	-2.86E-05	-1.91E-04	-5.35E-04
3.66E+02	-9.16E-06	-1.28E-04	-5.38E-04
3.66E+02	3.05E-06	-3.11E-05	-4.63E-04
3.66E+02	2.86E-06	4.86E-05	-4.15E-04
3.66E+02	-5.32E-05	1.12E-04	-3.46E-04
3.66E+02	-1.47E-04	1.59E-04	-2.45E-04
3.66E+02	-2.10E-04	1.99E-04	-1.60E-04
3.66E+02	-2.78E-04	2.18E-04	-1.11E-04
3.66E+02	-3.46E-04	1.75E-04	-1.65E-04

3.66E+02	-3.68E-04	1.11E-04	-2.14E-04
3.66E+02	-3.49E-04	6.14E-05	-1.65E-04
3.66E+02	-2.90E-04	1.39E-05	-1.07E-04
3.66E+02	-2.52E-04	-3.68E-05	-3.66E-05
3.66E+02	-2.46E-04	-1.10E-04	3.93E-05
3.66E+02	-1.93E-04	-1.60E-04	9.21E-05
3.66E+02	-1.52E-04	-2.00E-04	1.61E-04
3.66E+02	-1.57E-04	-2.78E-04	1.87E-04
3.66E+02	-1.34E-04	-3.45E-04	2.04E-04
3.66E+02	-9.96E-05	-4.01E-04	2.59E-04
3.66E+02	-5.93E-05	-4.49E-04	2.18E-04
3.66E+02	-2.31E-05	-4.75E-04	1.09E-04
3.66E+02	-1.41E-05	-4.75E-04	3.24E-05
3.66E+02	3.64E-05	-4.24E-04	-3.93E-05
3.66E+02	8.14E-05	-3.75E-04	-1.12E-04
3.66E+02	8.62E-05	-3.78E-04	-2.13E-04
3.66E+02	1.16E-04	-3.76E-04	-2.57E-04
3.66E+02	1.60E-04	-3.55E-04	-1.85E-04
3.66E+02	2.29E-04	-3.52E-04	-1.27E-04
3.66E+02	2.91E-04	-3.63E-04	-7.38E-05
3.66E+02	3.20E-04	-3.84E-04	-3.17E-05
3.66E+02	3.88E-04	-3.83E-04	-3.55E-05
3.66E+02	4.50E-04	-3.47E-04	-4.31E-05
3.66E+02	4.59E-04	-3.00E-04	-1.43E-04
3.66E+02	4.41E-04	-2.09E-04	-2.53E-04
3.66E+02	3.86E-04	-7.74E-05	-2.82E-04
3.66E+02	3.16E-04	3.22E-05	-3.37E-04
3.66E+02	1.85E-04	9.14E-05	-3.72E-04
3.66E+02	-2.86E-06	1.11E-04	-3.23E-04
3.66E+02	-1.26E-04	1.27E-04	-1.92E-04
3.66E+02	-2.17E-04	1.23E-04	-1.37E-05
3.67E+02	-3.09E-04	7.40E-05	9.50E-05
3.67E+02	-3.31E-04	3.28E-05	1.51E-04
3.67E+02	-2.97E-04	1.07E-05	1.80E-04
3.67E+02	-2.24E-04	-1.20E-05	1.03E-04
3.67E+02	-1.45E-04	-2.82E-05	-2.17E-05
3.67E+02	-1.08E-04	-7.53E-05	-1.63E-04
3.67E+02	-3.62E-05	-1.42E-04	-2.97E-04
3.67E+02	4.18E-05	-2.10E-04	-3.27E-04
3.67E+02	3.70E-05	-3.26E-04	-3.40E-04
3.67E+02	7.44E-06	-4.50E-04	-3.83E-04
3.67E+02	-2.35E-05	-5.16E-04	-3.96E-04
3.67E+02	-4.29E-05	-5.30E-04	-4.61E-04
3.67E+02	-6.01E-05	-5.00E-04	-5.46E-04
3.67E+02	-9.52E-05	-4.36E-04	-5.59E-04
3.67E+02	-7.13E-05	-3.51E-04	-5.35E-04
3.67E+02	-4.96E-06	-2.55E-04	-4.63E-04

3.67E+02	2.92E-05	-2.14E-04	-4.16E-04
3.67E+02	5.93E-05	-2.28E-04	-4.08E-04
3.67E+02	1.32E-04	-2.22E-04	-3.25E-04
3.67E+02	2.18E-04	-2.04E-04	-2.32E-04
3.67E+02	2.61E-04	-1.64E-04	-1.62E-04
3.67E+02	2.64E-04	-9.10E-05	-7.25E-05
3.67E+02	2.68E-04	3.81E-07	2.86E-06
3.67E+02	2.68E-04	1.06E-04	6.39E-05
3.67E+02	2.20E-04	1.42E-04	7.55E-05
3.67E+02	1.46E-04	1.14E-04	7.31E-05
3.67E+02	8.14E-05	8.60E-05	1.42E-04
3.67E+02	5.04E-05	4.29E-05	1.60E-04
3.67E+02	5.26E-05	6.48E-06	9.44E-05
3.67E+02	4.58E-05	-1.03E-05	6.45E-05
3.67E+02	7.32E-05	1.54E-05	6.47E-05
3.67E+02	1.19E-04	1.02E-04	9.86E-05
3.67E+02	1.12E-04	1.63E-04	9.04E-05
3.67E+02	9.35E-05	1.69E-04	1.49E-05
3.67E+02	7.65E-05	1.58E-04	1.81E-05
3.67E+02	6.22E-05	1.23E-04	2.44E-05
3.67E+02	4.54E-05	8.45E-05	4.96E-06
3.67E+02	-2.80E-05	4.94E-05	1.93E-05
3.67E+02	-8.37E-05	2.06E-05	-1.41E-05
3.67E+02	-8.93E-05	3.34E-05	-6.83E-05
3.67E+02	-1.24E-04	4.43E-05	-1.52E-04
3.67E+02	-1.37E-04	3.03E-05	-2.60E-04
3.67E+02	-9.42E-05	2.84E-05	-2.73E-04
3.67E+02	-1.28E-05	3.81E-07	-2.55E-04
3.67E+02	1.09E-04	-6.10E-05	-2.65E-04
3.67E+02	2.04E-04	-1.26E-04	-2.53E-04
3.67E+02	2.90E-04	-1.76E-04	-2.43E-04
3.67E+02	3.90E-04	-1.91E-04	-2.55E-04
3.67E+02	4.30E-04	-2.05E-04	-3.34E-04
3.67E+02	4.19E-04	-2.10E-04	-4.54E-04
3.67E+02	3.97E-04	-1.89E-04	-5.07E-04
3.67E+02	3.72E-04	-1.54E-04	-5.37E-04
3.67E+02	3.36E-04	-9.37E-05	-5.46E-04
3.67E+02	2.65E-04	-3.62E-05	-5.07E-04
3.67E+02	2.14E-04	8.58E-06	-4.73E-04
3.67E+02	2.11E-04	7.63E-05	-3.90E-04
3.67E+02	1.95E-04	1.32E-04	-2.75E-04
3.67E+02	1.80E-04	1.70E-04	-1.75E-04
3.67E+02	1.86E-04	2.38E-04	-8.96E-06
3.67E+02	2.14E-04	3.03E-04	1.52E-04
3.67E+02	2.56E-04	3.55E-04	2.33E-04
3.67E+02	2.56E-04	4.05E-04	3.13E-04
3.67E+02	2.53E-04	4.50E-04	3.85E-04

3.67E+02	2.85E-04	5.32E-04	4.39E-04
3.67E+02	2.66E-04	6.03E-04	4.56E-04
3.67E+02	2.09E-04	6.28E-04	4.08E-04
3.67E+02	1.82E-04	6.60E-04	3.93E-04
3.67E+02	1.45E-04	6.64E-04	3.73E-04
3.67E+02	1.14E-04	6.62E-04	3.07E-04
3.67E+02	7.86E-05	6.63E-04	2.58E-04
3.67E+02	3.24E-05	6.38E-04	1.85E-04
3.67E+02	4.73E-05	6.33E-04	1.42E-04
3.67E+02	5.02E-05	6.09E-04	1.19E-04
3.67E+02	4.35E-05	5.63E-04	4.29E-05
3.67E+02	7.08E-05	5.41E-04	3.36E-05
3.67E+02	9.19E-05	5.06E-04	5.80E-05
3.67E+02	1.24E-04	4.66E-04	5.97E-05
3.67E+02	1.10E-04	4.23E-04	1.25E-04
3.67E+02	8.03E-05	3.72E-04	2.08E-04
3.67E+02	9.77E-05	3.49E-04	3.19E-04
3.67E+02	7.38E-05	2.98E-04	3.90E-04
3.67E+02	2.78E-05	1.93E-04	3.27E-04
3.67E+02	3.24E-06	1.12E-04	3.00E-04
3.67E+02	-8.01E-06	5.49E-05	3.03E-04
3.67E+02	-3.62E-06	-5.53E-06	2.39E-04
3.67E+02	-2.92E-05	-4.01E-05	1.96E-04
3.67E+02	-6.05E-05	-6.75E-05	1.56E-04
3.67E+02	-5.34E-05	-8.26E-05	1.30E-04
3.67E+02	-6.14E-05	-9.35E-05	1.39E-04
3.67E+02	-9.35E-05	-1.36E-04	9.04E-05
3.67E+02	-1.09E-04	-1.50E-04	6.56E-05
3.67E+02	-1.01E-04	-1.15E-04	5.99E-05
3.67E+02	-7.17E-05	-5.13E-05	-1.83E-05
3.67E+02	-6.69E-05	4.69E-05	-6.39E-05
3.67E+02	-8.83E-05	1.64E-04	-6.89E-05
3.67E+02	-9.14E-05	3.00E-04	-4.20E-05
3.67E+02	-1.30E-04	4.09E-04	3.62E-06
3.67E+02	-2.02E-04	4.49E-04	-1.05E-05
3.67E+02	-2.47E-04	4.79E-04	9.35E-06
3.67E+02	-2.71E-04	5.10E-04	6.20E-05
3.67E+02	-2.56E-04	5.35E-04	2.54E-05
3.67E+02	-2.39E-04	5.60E-04	-4.23E-05
3.67E+02	-2.31E-04	5.75E-04	-1.13E-04
3.67E+02	-1.43E-04	6.04E-04	-1.90E-04
3.67E+02	-5.38E-05	6.35E-04	-2.19E-04
3.67E+02	-2.25E-05	6.23E-04	-2.47E-04
3.67E+02	-1.34E-06	6.11E-04	-2.31E-04
3.67E+02	-2.86E-06	6.09E-04	-1.53E-04
3.67E+02	-2.29E-06	5.89E-04	-1.35E-04
3.67E+02	-4.01E-05	5.72E-04	-1.34E-04

3.67E+02	-1.22E-04	5.65E-04	-1.22E-04
3.67E+02	-1.43E-04	6.00E-04	-9.71E-05
3.67E+02	-1.48E-04	6.71E-04	-1.93E-05
3.67E+02	-1.52E-04	7.13E-04	2.31E-05
3.67E+02	-8.05E-05	7.45E-04	7.99E-05
3.67E+02	3.93E-05	7.60E-04	2.02E-04
3.67E+02	1.88E-04	7.34E-04	3.02E-04
3.67E+02	3.03E-04	6.85E-04	3.87E-04
3.67E+02	3.59E-04	6.12E-04	4.29E-04
3.67E+02	4.42E-04	5.53E-04	4.19E-04
3.67E+02	4.72E-04	5.06E-04	3.89E-04
3.67E+02	4.28E-04	4.34E-04	3.18E-04
3.67E+02	4.02E-04	3.97E-04	3.15E-04
3.67E+02	3.53E-04	3.85E-04	4.06E-04
3.67E+02	3.13E-04	3.52E-04	4.24E-04
3.67E+02	2.50E-04	3.23E-04	3.74E-04
3.67E+02	1.50E-04	3.04E-04	3.36E-04
3.67E+02	1.13E-04	3.24E-04	3.16E-04
3.67E+02	7.46E-05	3.78E-04	3.12E-04
3.67E+02	5.53E-06	4.04E-04	2.36E-04
3.67E+02	-5.26E-05	4.35E-04	1.70E-04
3.67E+02	-1.13E-04	5.02E-04	1.91E-04
3.67E+02	-1.61E-04	5.76E-04	1.91E-04
3.67E+02	-2.30E-04	6.41E-04	1.65E-04
3.67E+02	-3.21E-04	6.95E-04	1.19E-04
3.67E+02	-3.60E-04	7.45E-04	2.50E-05
3.67E+02	-3.62E-04	7.90E-04	-9.67E-05
3.67E+02	-3.61E-04	8.16E-04	-2.79E-04
3.67E+02	-3.31E-04	8.36E-04	-4.75E-04
3.67E+02	-2.50E-04	8.73E-04	-5.38E-04
3.67E+02	-1.21E-04	8.75E-04	-5.14E-04
3.67E+02	3.81E-07	8.14E-04	-4.30E-04
3.67E+02	8.79E-05	7.25E-04	-2.47E-04
3.67E+02	2.06E-04	6.26E-04	-6.52E-05
3.67E+02	3.30E-04	5.30E-04	7.34E-05
3.67E+02	4.05E-04	4.05E-04	1.09E-04
3.67E+02	4.84E-04	2.80E-04	9.73E-05
3.67E+02	5.79E-04	2.11E-04	1.80E-04
3.67E+02	6.63E-04	1.58E-04	2.46E-04
3.67E+02	7.06E-04	1.07E-04	2.88E-04
3.67E+02	6.66E-04	5.00E-05	3.49E-04
3.67E+02	6.22E-04	-1.03E-05	3.63E-04
3.67E+02	5.97E-04	-4.71E-05	3.48E-04
3.67E+02	5.21E-04	-9.65E-05	2.73E-04
3.67E+02	4.44E-04	-1.22E-04	1.88E-04
3.67E+02	3.89E-04	-6.43E-05	1.88E-04
3.67E+02	3.52E-04	2.33E-05	1.75E-04

3.67E+02	3.22E-04	1.26E-04	1.33E-04
3.67E+02	2.27E-04	2.31E-04	1.08E-04
3.67E+02	1.49E-04	3.40E-04	8.77E-05
3.67E+02	1.21E-04	4.81E-04	8.34E-05
3.67E+02	4.25E-05	5.72E-04	1.16E-05
3.67E+02	-3.68E-05	6.05E-04	-1.01E-04
3.67E+02	-9.42E-05	6.40E-04	-1.36E-04
3.67E+02	-1.39E-04	6.47E-04	-1.67E-04
3.67E+02	-2.01E-04	6.41E-04	-1.94E-04
3.67E+02	-3.29E-04	6.24E-04	-1.81E-04
3.67E+02	-4.21E-04	5.88E-04	-1.75E-04
3.67E+02	-4.66E-04	5.66E-04	-1.38E-04
3.67E+02	-5.26E-04	5.08E-04	-1.36E-04
3.67E+02	-5.41E-04	4.22E-04	-1.78E-04
3.67E+02	-5.10E-04	3.50E-04	-1.29E-04
3.67E+02	-4.36E-04	2.62E-04	-4.02E-05
3.67E+02	-3.39E-04	1.67E-04	5.61E-05
3.67E+02	-2.96E-04	7.57E-05	2.05E-04
3.67E+02	-2.35E-04	2.46E-05	3.52E-04
3.67E+02	-1.75E-04	2.44E-05	4.64E-04
3.67E+02	-1.89E-04	1.45E-05	4.91E-04
3.67E+02	-1.86E-04	1.41E-05	4.52E-04
3.67E+02	-1.67E-04	3.41E-05	4.58E-04
3.67E+02	-1.54E-04	5.61E-05	4.66E-04
3.67E+02	-1.56E-04	9.10E-05	4.31E-04
3.67E+02	-2.16E-04	1.31E-04	3.74E-04
3.67E+02	-2.58E-04	1.83E-04	2.65E-04
3.67E+02	-2.60E-04	2.58E-04	1.54E-04
3.67E+02	-2.94E-04	3.13E-04	1.56E-05
3.67E+02	-3.21E-04	3.37E-04	-1.75E-04
3.67E+02	-3.18E-04	3.72E-04	-2.69E-04
3.67E+02	-2.94E-04	3.89E-04	-3.01E-04
3.67E+02	-2.72E-04	3.71E-04	-3.46E-04
3.67E+02	-3.07E-04	3.44E-04	-3.42E-04
3.67E+02	-3.57E-04	3.17E-04	-3.26E-04
3.67E+02	-3.92E-04	3.09E-04	-3.17E-04
3.67E+02	-4.51E-04	2.74E-04	-3.60E-04
3.67E+02	-4.97E-04	2.13E-04	-4.78E-04
3.67E+02	-4.92E-04	1.73E-04	-5.39E-04
3.67E+02	-4.42E-04	1.48E-04	-5.42E-04
3.67E+02	-3.66E-04	1.36E-04	-5.08E-04
3.67E+02	-3.15E-04	1.18E-04	-3.87E-04
3.67E+02	-2.39E-04	9.31E-05	-2.53E-04
3.68E+02	-1.02E-04	8.24E-05	-1.36E-04
3.68E+02	1.41E-05	6.94E-05	-6.01E-05
3.68E+02	1.24E-04	6.14E-05	-6.05E-05
3.68E+02	2.51E-04	9.80E-05	-2.42E-05

3.68E+02	3.79E-04	1.62E-04	1.70E-05
3.68E+02	5.04E-04	2.27E-04	-4.39E-06
3.68E+02	5.62E-04	2.77E-04	3.66E-05
3.68E+02	5.85E-04	3.15E-04	1.37E-04
3.68E+02	6.19E-04	3.64E-04	2.66E-04
3.68E+02	5.92E-04	3.74E-04	3.63E-04
3.68E+02	5.38E-04	3.30E-04	3.39E-04
3.68E+02	4.94E-04	2.86E-04	3.38E-04
3.68E+02	4.41E-04	2.45E-04	3.57E-04
3.68E+02	3.81E-04	2.07E-04	3.21E-04
3.68E+02	2.65E-04	1.77E-04	2.94E-04
3.68E+02	1.42E-04	1.35E-04	2.50E-04
3.68E+02	5.02E-05	9.92E-05	2.31E-04
3.68E+02	-8.60E-05	5.74E-05	2.36E-04
3.68E+02	-2.30E-04	-2.19E-05	1.88E-04
3.68E+02	-3.48E-04	-8.45E-05	1.49E-04
3.68E+02	-4.40E-04	-1.41E-04	8.14E-05
3.68E+02	-5.02E-04	-2.20E-04	-7.10E-05
3.68E+02	-5.95E-04	-2.73E-04	-1.87E-04
3.68E+02	-6.95E-04	-2.92E-04	-2.48E-04
3.68E+02	-7.43E-04	-2.75E-04	-2.82E-04
3.68E+02	-8.03E-04	-2.51E-04	-3.39E-04
3.68E+02	-8.72E-04	-2.48E-04	-4.90E-04
3.68E+02	-8.83E-04	-2.16E-04	-5.89E-04
3.68E+02	-8.54E-04	-1.64E-04	-6.06E-04
3.68E+02	-7.86E-04	-1.02E-04	-6.13E-04
3.68E+02	-7.20E-04	-1.43E-05	-5.34E-04
3.68E+02	-6.64E-04	7.34E-05	-4.09E-04
3.68E+02	-5.41E-04	1.71E-04	-2.38E-04
3.68E+02	-4.37E-04	2.61E-04	-2.56E-05
3.68E+02	-3.69E-04	2.90E-04	1.22E-04
3.68E+02	-2.63E-04	3.05E-04	2.91E-04
3.68E+02	-1.55E-04	3.12E-04	4.85E-04
3.68E+02	-4.52E-05	2.70E-04	5.81E-04
3.68E+02	2.65E-05	2.04E-04	6.68E-04
3.68E+02	5.93E-05	1.37E-04	7.87E-04
3.68E+02	1.08E-04	8.89E-05	8.84E-04
3.68E+02	1.01E-04	2.86E-05	9.25E-04
3.68E+02	5.32E-05	-6.20E-05	8.52E-04
3.68E+02	2.10E-05	-1.17E-04	7.72E-04
3.68E+02	-1.16E-05	-1.45E-04	7.00E-04
3.68E+02	-2.31E-05	-1.63E-04	5.58E-04
3.68E+02	-5.80E-05	-1.74E-04	4.08E-04
3.68E+02	-1.09E-04	-1.92E-04	2.54E-04
3.68E+02	-9.38E-05	-1.68E-04	1.17E-04
3.68E+02	-7.67E-05	-1.29E-04	2.63E-05
3.68E+02	-9.61E-05	-1.24E-04	-8.28E-05

3.68E+02	-8.75E-05	-9.12E-05	-1.62E-04
3.68E+02	-5.70E-05	-3.59E-05	-2.05E-04
3.68E+02	-2.06E-05	2.67E-06	-3.18E-04
3.68E+02	-1.72E-06	4.44E-05	-4.32E-04
3.68E+02	-5.72E-07	7.72E-05	-4.88E-04
3.68E+02	4.46E-05	1.17E-04	-4.89E-04
3.68E+02	7.36E-05	1.55E-04	-4.62E-04
3.68E+02	4.94E-05	1.25E-04	-5.08E-04
3.68E+02	3.89E-05	7.72E-05	-5.14E-04
3.68E+02	1.91E-05	3.66E-05	-4.52E-04
3.68E+02	-1.53E-06	-4.77E-05	-4.60E-04
3.68E+02	-2.90E-05	-1.48E-04	-4.30E-04
3.68E+02	-8.03E-05	-2.65E-04	-3.15E-04
3.68E+02	-7.23E-05	-3.77E-04	-2.21E-04
3.68E+02	-4.98E-05	-4.86E-04	-1.72E-04
3.68E+02	-5.86E-05	-6.14E-04	-1.46E-04
3.68E+02	-3.91E-05	-6.84E-04	-6.16E-05
3.68E+02	4.77E-06	-7.04E-04	4.20E-05
3.68E+02	8.18E-05	-7.36E-04	3.41E-05
3.68E+02	1.47E-04	-7.49E-04	1.45E-05
3.68E+02	1.64E-04	-7.20E-04	2.06E-05
3.68E+02	2.10E-04	-6.44E-04	9.16E-06
3.68E+02	2.45E-04	-5.35E-04	2.25E-05
3.68E+02	2.29E-04	-4.32E-04	-1.14E-05
3.68E+02	2.18E-04	-3.23E-04	-1.75E-05
3.68E+02	2.18E-04	-1.92E-04	5.47E-05
3.68E+02	2.16E-04	-7.63E-05	8.68E-05
3.68E+02	1.71E-04	1.37E-05	1.19E-04
3.68E+02	7.42E-05	7.02E-05	1.19E-04
3.68E+02	-1.72E-06	9.88E-05	9.23E-05
3.68E+02	-8.51E-05	1.20E-04	9.50E-05
3.68E+02	-1.95E-04	1.06E-04	1.20E-05
3.68E+02	-2.81E-04	9.99E-05	-8.53E-05
3.68E+02	-3.33E-04	1.19E-04	-1.28E-04
3.68E+02	-3.39E-04	1.27E-04	-2.23E-04
3.68E+02	-3.35E-04	1.38E-04	-2.99E-04
3.68E+02	-3.43E-04	1.36E-04	-2.97E-04
3.68E+02	-2.99E-04	1.23E-04	-2.49E-04
3.68E+02	-2.47E-04	1.05E-04	-1.45E-04
3.68E+02	-2.21E-04	4.23E-05	-5.36E-05
3.68E+02	-1.87E-04	-5.02E-05	1.20E-05
3.68E+02	-1.44E-04	-1.28E-04	1.28E-04
3.68E+02	-6.31E-05	-1.89E-04	2.34E-04
3.68E+02	-1.05E-05	-2.44E-04	2.54E-04
3.68E+02	-2.29E-06	-2.98E-04	2.10E-04
3.68E+02	6.07E-05	-3.24E-04	1.23E-04
3.68E+02	1.21E-04	-3.08E-04	4.84E-05

3.68E+02	1.23E-04	-3.16E-04	-4.31E-05
3.68E+02	1.25E-04	-3.39E-04	-1.31E-04
3.68E+02	1.20E-04	-3.59E-04	-1.40E-04
3.68E+02	1.16E-04	-4.15E-04	-1.86E-04
3.68E+02	1.04E-04	-4.85E-04	-2.56E-04
3.68E+02	5.15E-05	-5.57E-04	-2.64E-04
3.68E+02	4.04E-05	-5.96E-04	-2.33E-04
3.68E+02	4.92E-05	-5.80E-04	-1.62E-04
3.68E+02	1.66E-05	-5.80E-04	-1.72E-04
3.68E+02	-1.53E-06	-5.93E-04	-2.27E-04
3.68E+02	9.92E-06	-5.63E-04	-1.97E-04
3.68E+02	3.89E-05	-5.41E-04	-1.96E-04
3.68E+02	6.35E-05	-5.29E-04	-1.97E-04
3.68E+02	6.22E-05	-5.05E-04	-1.54E-04
3.68E+02	9.98E-05	-4.73E-04	-1.18E-04
3.68E+02	1.73E-04	-3.91E-04	-1.03E-05
3.68E+02	1.89E-04	-3.36E-04	8.34E-05
3.68E+02	1.82E-04	-3.08E-04	1.25E-04
3.68E+02	1.89E-04	-2.53E-04	2.30E-04
3.68E+02	1.89E-04	-2.44E-04	2.96E-04
3.68E+02	1.78E-04	-2.74E-04	3.21E-04
3.68E+02	1.15E-04	-3.23E-04	3.80E-04
3.68E+02	6.10E-05	-3.75E-04	4.05E-04
3.68E+02	3.83E-05	-4.06E-04	3.92E-04
3.68E+02	-1.83E-05	-4.71E-04	2.88E-04
3.68E+02	-5.82E-05	-5.43E-04	1.28E-04
3.68E+02	-6.33E-05	-5.91E-04	5.28E-05
3.68E+02	-3.64E-05	-6.29E-04	-1.11E-05
3.68E+02	-1.34E-06	-6.42E-04	-9.04E-05
3.68E+02	-1.62E-05	-6.42E-04	-1.43E-04
3.68E+02	-6.10E-06	-6.17E-04	-2.21E-04
3.68E+02	2.96E-05	-5.43E-04	-2.82E-04
3.68E+02	1.45E-05	-4.63E-04	-3.58E-04
3.68E+02	-1.43E-05	-3.64E-04	-4.58E-04
3.68E+02	-4.96E-05	-2.14E-04	-4.79E-04
3.68E+02	-7.90E-05	-5.72E-05	-5.05E-04
3.68E+02	-1.15E-04	7.34E-05	-5.86E-04
3.68E+02	-2.04E-04	1.70E-04	-6.32E-04
3.68E+02	-2.70E-04	2.42E-04	-6.31E-04
3.68E+02	-3.28E-04	2.92E-04	-5.92E-04
3.68E+02	-4.31E-04	2.75E-04	-5.29E-04
3.68E+02	-5.33E-04	2.16E-04	-4.50E-04
3.68E+02	-6.36E-04	1.44E-04	-3.41E-04
3.68E+02	-7.32E-04	6.08E-05	-2.30E-04
3.68E+02	-8.40E-04	-3.05E-06	-1.49E-04
3.68E+02	-9.83E-04	-4.88E-05	-6.89E-05
3.68E+02	-1.08E-03	-6.75E-05	1.54E-05

3.68E+02	-1.13E-03	-4.06E-05	9.56E-05
3.68E+02	-1.18E-03	-9.92E-06	1.26E-04
3.68E+02	-1.20E-03	3.24E-06	7.17E-05
3.68E+02	-1.18E-03	2.80E-05	3.60E-05
3.68E+02	-1.13E-03	4.18E-05	-4.01E-06
3.68E+02	-1.06E-03	1.74E-05	-9.65E-05
3.68E+02	-1.01E-03	-1.83E-05	-1.34E-04
3.68E+02	-9.18E-04	-4.62E-05	-9.82E-05
3.68E+02	-7.84E-04	-3.80E-05	2.90E-05
3.68E+02	-6.72E-04	-2.38E-05	1.79E-04
3.68E+02	-5.83E-04	-6.41E-05	2.41E-04
3.68E+02	-4.81E-04	-1.01E-04	3.11E-04
3.68E+02	-3.49E-04	-1.15E-04	3.69E-04
3.68E+02	-2.12E-04	-1.34E-04	3.73E-04
3.68E+02	-1.07E-04	-1.37E-04	4.05E-04
3.68E+02	3.15E-05	-1.30E-04	4.35E-04
3.68E+02	2.24E-04	-1.10E-04	4.64E-04
3.68E+02	3.71E-04	-1.08E-04	4.57E-04
3.68E+02	4.98E-04	-1.49E-04	3.60E-04
3.68E+02	6.47E-04	-1.75E-04	3.02E-04
3.68E+02	7.93E-04	-1.97E-04	2.63E-04
3.68E+02	9.36E-04	-2.25E-04	1.43E-04
3.68E+02	1.02E-03	-2.28E-04	3.40E-05
3.68E+02	1.08E-03	-1.93E-04	-4.02E-05
3.68E+02	1.16E-03	-1.14E-04	-6.20E-05
3.68E+02	1.18E-03	-3.47E-05	-7.08E-05
3.68E+02	1.16E-03	6.48E-06	-1.49E-04
3.68E+02	1.14E-03	4.62E-05	-1.74E-04
3.68E+02	1.10E-03	1.04E-04	-1.70E-04
3.68E+02	1.09E-03	1.70E-04	-2.25E-04
3.68E+02	1.03E-03	2.59E-04	-2.61E-04
3.68E+02	9.57E-04	3.51E-04	-2.93E-04
3.68E+02	9.13E-04	4.47E-04	-3.00E-04
3.68E+02	8.13E-04	5.19E-04	-3.04E-04
3.68E+02	7.01E-04	5.20E-04	-3.63E-04
3.68E+02	6.30E-04	5.08E-04	-3.19E-04
3.68E+02	5.74E-04	4.64E-04	-1.87E-04
3.68E+02	5.49E-04	3.50E-04	-9.84E-05
3.68E+02	4.98E-04	2.18E-04	-1.91E-07
3.68E+02	4.26E-04	9.42E-05	9.29E-05
3.68E+02	3.87E-04	1.34E-05	1.34E-04
3.68E+02	3.16E-04	-5.44E-05	9.14E-05
3.68E+02	2.06E-04	-1.26E-04	-3.01E-05
3.68E+02	7.71E-05	-1.79E-04	-1.15E-04
3.68E+02	-4.67E-05	-2.17E-04	-1.40E-04
3.68E+02	-1.60E-04	-2.16E-04	-1.33E-04
3.68E+02	-3.26E-04	-1.79E-04	-8.89E-05

3.68E+02	-5.01E-04	-9.84E-05	-4.37E-05
3.68E+02	-6.31E-04	4.23E-05	-1.03E-05
3.68E+02	-7.73E-04	1.91E-04	-2.94E-05
3.68E+02	-9.32E-04	3.08E-04	-9.80E-05
3.68E+02	-1.06E-03	4.20E-04	-1.07E-04
3.68E+02	-1.14E-03	5.18E-04	-9.16E-05
3.68E+02	-1.18E-03	5.82E-04	-1.05E-04
3.68E+02	-1.21E-03	6.35E-04	-6.41E-05
3.69E+02	-1.21E-03	6.78E-04	4.94E-05
3.69E+02	-1.17E-03	7.28E-04	2.09E-04
3.69E+02	-1.15E-03	7.55E-04	3.35E-04
3.69E+02	-1.16E-03	7.12E-04	3.43E-04
3.69E+02	-1.15E-03	6.65E-04	3.43E-04
3.69E+02	-1.12E-03	6.39E-04	3.77E-04
3.69E+02	-1.08E-03	5.90E-04	3.51E-04
3.69E+02	-1.07E-03	5.32E-04	3.22E-04
3.69E+02	-1.04E-03	4.71E-04	3.06E-04
3.69E+02	-9.34E-04	4.15E-04	2.66E-04
3.69E+02	-7.99E-04	3.64E-04	2.25E-04
3.69E+02	-6.50E-04	3.01E-04	1.36E-04
3.69E+02	-4.60E-04	2.77E-04	6.43E-05
3.69E+02	-2.43E-04	3.02E-04	5.28E-05
3.69E+02	-9.54E-06	3.39E-04	-1.93E-05
3.69E+02	1.88E-04	3.68E-04	-1.00E-04
3.69E+02	3.31E-04	3.74E-04	-1.54E-04
3.69E+02	4.79E-04	3.65E-04	-2.08E-04
3.69E+02	5.89E-04	3.16E-04	-2.05E-04
3.69E+02	6.30E-04	1.91E-04	-1.93E-04
3.69E+02	6.73E-04	3.55E-05	-1.24E-04
3.69E+02	7.15E-04	-1.04E-04	3.62E-05
3.69E+02	7.47E-04	-2.31E-04	1.58E-04
3.69E+02	7.45E-04	-3.27E-04	2.56E-04
3.69E+02	6.90E-04	-3.76E-04	3.23E-04
3.69E+02	6.71E-04	-3.80E-04	3.35E-04
3.69E+02	6.42E-04	-3.41E-04	3.30E-04
3.69E+02	5.45E-04	-3.23E-04	2.47E-04
3.69E+02	4.68E-04	-3.20E-04	1.37E-04
3.69E+02	3.95E-04	-3.09E-04	6.87E-05
3.69E+02	3.20E-04	-3.46E-04	-4.31E-05
3.69E+02	2.37E-04	-4.15E-04	-1.56E-04
3.69E+02	1.13E-04	-4.63E-04	-1.83E-04
3.69E+02	2.82E-05	-4.66E-04	-1.59E-04
3.69E+02	-3.99E-05	-4.26E-04	-1.26E-04
3.69E+02	-1.35E-04	-3.88E-04	-1.65E-04
3.69E+02	-1.91E-04	-3.39E-04	-2.17E-04
3.69E+02	-2.19E-04	-2.37E-04	-1.75E-04
3.69E+02	-2.29E-04	-1.14E-04	-1.31E-04

3.69E+02	-2.28E-04	2.48E-06	-8.81E-05
3.69E+02	-2.22E-04	1.19E-04	-4.39E-05
3.69E+02	-1.48E-04	2.39E-04	-3.59E-05
3.69E+02	-4.48E-05	3.56E-04	-8.96E-06
3.69E+02	4.22E-05	4.32E-04	-2.61E-05
3.69E+02	1.56E-04	4.80E-04	-7.19E-05
3.69E+02	2.69E-04	5.24E-04	-7.40E-05
3.69E+02	3.86E-04	5.21E-04	-1.20E-04
3.69E+02	4.69E-04	4.76E-04	-1.51E-04
3.69E+02	4.92E-04	4.24E-04	-1.05E-04
3.69E+02	5.39E-04	3.80E-04	-3.17E-05
3.69E+02	5.77E-04	3.44E-04	6.60E-05
3.69E+02	5.69E-04	2.74E-04	7.53E-05
3.69E+02	5.44E-04	1.82E-04	-2.67E-05
3.69E+02	5.33E-04	1.09E-04	-1.12E-04
3.69E+02	5.56E-04	5.00E-05	-1.99E-04
3.69E+02	5.57E-04	-1.77E-05	-2.89E-04
3.69E+02	5.31E-04	-1.04E-04	-3.31E-04
3.69E+02	5.61E-04	-1.75E-04	-3.44E-04
3.69E+02	6.15E-04	-2.18E-04	-2.93E-04
3.69E+02	6.34E-04	-2.62E-04	-2.32E-04
3.69E+02	6.59E-04	-2.88E-04	-1.77E-04
3.69E+02	6.82E-04	-2.72E-04	-5.80E-05
3.69E+02	6.98E-04	-2.44E-04	2.04E-05
3.69E+02	6.90E-04	-2.13E-04	8.66E-05
3.69E+02	6.21E-04	-1.87E-04	2.07E-04
3.69E+02	5.67E-04	-1.58E-04	3.17E-04
3.69E+02	5.08E-04	-1.22E-04	4.54E-04
3.69E+02	3.92E-04	-1.21E-04	5.32E-04
3.69E+02	2.76E-04	-1.29E-04	5.37E-04
3.69E+02	1.69E-04	-1.18E-04	5.78E-04
3.69E+02	6.90E-05	-1.19E-04	5.74E-04
3.69E+02	-2.48E-05	-1.38E-04	5.32E-04
3.69E+02	-1.45E-04	-1.75E-04	5.12E-04
3.69E+02	-2.12E-04	-2.12E-04	4.75E-04
3.69E+02	-2.39E-04	-2.24E-04	4.22E-04
3.69E+02	-3.07E-04	-2.43E-04	2.96E-04
3.69E+02	-3.41E-04	-2.63E-04	1.24E-04
3.69E+02	-3.55E-04	-2.73E-04	-1.96E-05
3.69E+02	-3.40E-04	-2.92E-04	-1.96E-04
3.69E+02	-2.89E-04	-2.91E-04	-3.81E-04
3.69E+02	-2.82E-04	-2.71E-04	-4.99E-04
3.69E+02	-2.47E-04	-2.24E-04	-5.59E-04
3.69E+02	-1.91E-04	-1.44E-04	-5.67E-04
3.69E+02	-1.87E-04	-9.90E-05	-5.97E-04
3.69E+02	-1.73E-04	-7.32E-05	-6.33E-04
3.69E+02	-1.35E-04	-2.77E-05	-5.50E-04

3.69E+02	-9.08E-05	1.32E-05	-4.12E-04
3.69E+02	-5.68E-05	4.96E-05	-2.61E-04
3.69E+02	-7.88E-05	7.69E-05	-8.96E-05
3.69E+02	-9.37E-05	8.64E-05	1.01E-05
3.69E+02	-8.93E-05	9.59E-05	6.60E-05
3.69E+02	-1.41E-04	7.61E-05	7.21E-05
3.69E+02	-2.09E-04	1.75E-05	1.34E-06
3.69E+02	-2.54E-04	-4.77E-05	-7.25E-06
3.69E+02	-2.73E-04	-1.52E-04	3.38E-05
3.69E+02	-2.77E-04	-2.82E-04	4.01E-05
3.69E+02	-2.98E-04	-4.11E-04	5.44E-05
3.69E+02	-2.82E-04	-5.26E-04	8.35E-05
3.69E+02	-2.19E-04	-5.92E-04	1.30E-04
3.69E+02	-1.71E-04	-6.57E-04	1.25E-04
3.69E+02	-1.11E-04	-7.22E-04	3.11E-05
3.69E+02	-2.57E-05	-7.46E-04	-2.80E-05
3.69E+02	8.22E-05	-7.42E-04	-7.80E-05
3.69E+02	1.84E-04	-7.14E-04	-1.38E-04
3.69E+02	2.18E-04	-6.96E-04	-1.47E-04
3.69E+02	2.56E-04	-6.80E-04	-1.45E-04
3.69E+02	3.15E-04	-6.53E-04	-1.19E-04
3.69E+02	3.23E-04	-6.38E-04	-8.81E-05
3.69E+02	3.26E-04	-6.19E-04	-8.13E-05
3.69E+02	3.44E-04	-5.71E-04	-4.23E-05
3.69E+02	4.00E-04	-4.98E-04	-1.53E-06
3.69E+02	4.89E-04	-4.25E-04	-5.15E-06
3.69E+02	5.43E-04	-3.63E-04	6.68E-06
3.69E+02	6.34E-04	-2.81E-04	7.19E-05
3.69E+02	7.67E-04	-1.78E-04	1.77E-04
3.69E+02	8.48E-04	-1.08E-04	2.81E-04
3.69E+02	9.07E-04	-9.25E-05	3.07E-04
3.69E+02	9.76E-04	-1.04E-04	2.76E-04
3.69E+02	1.04E-03	-1.37E-04	2.08E-04
3.69E+02	1.09E-03	-1.83E-04	7.57E-05
3.69E+02	1.09E-03	-2.44E-04	-7.82E-05
3.69E+02	1.08E-03	-3.02E-04	-2.05E-04
3.69E+02	1.11E-03	-3.25E-04	-2.39E-04
3.69E+02	1.10E-03	-3.33E-04	-2.17E-04
3.69E+02	1.07E-03	-3.57E-04	-2.34E-04
3.69E+02	1.06E-03	-3.66E-04	-2.10E-04
3.69E+02	1.06E-03	-3.60E-04	-1.81E-04
3.69E+02	1.10E-03	-3.83E-04	-2.49E-04
3.69E+02	1.10E-03	-4.25E-04	-3.34E-04
3.69E+02	1.10E-03	-4.62E-04	-3.83E-04
3.69E+02	1.17E-03	-4.59E-04	-3.67E-04
3.69E+02	1.18E-03	-4.72E-04	-3.37E-04
3.69E+02	1.15E-03	-5.42E-04	-3.73E-04

3.69E+02	1.15E-03	-6.07E-04	-3.71E-04
3.69E+02	1.08E-03	-6.80E-04	-3.52E-04
3.69E+02	9.89E-04	-7.65E-04	-3.74E-04
3.69E+02	8.23E-04	-8.45E-04	-3.60E-04
3.69E+02	6.05E-04	-9.23E-04	-3.35E-04
3.69E+02	4.25E-04	-9.52E-04	-2.74E-04
3.69E+02	2.22E-04	-9.38E-04	-1.50E-04
3.69E+02	5.72E-07	-9.05E-04	-5.11E-05
3.69E+02	-1.76E-04	-8.19E-04	5.78E-05
3.69E+02	-3.15E-04	-7.16E-04	1.43E-04
3.69E+02	-4.18E-04	-6.36E-04	1.23E-04
3.69E+02	-5.34E-04	-5.71E-04	1.01E-04
3.69E+02	-6.52E-04	-5.14E-04	9.84E-05
3.69E+02	-7.01E-04	-4.41E-04	1.02E-04
3.69E+02	-7.41E-04	-3.70E-04	8.60E-05
3.69E+02	-7.89E-04	-3.34E-04	-1.22E-05
3.69E+02	-7.87E-04	-3.02E-04	-4.96E-05
3.69E+02	-7.55E-04	-2.48E-04	-4.77E-06
3.69E+02	-7.21E-04	-1.96E-04	-2.65E-05
3.69E+02	-7.22E-04	-1.43E-04	-7.11E-05
3.69E+02	-7.35E-04	-7.48E-05	-1.18E-04
3.69E+02	-7.36E-04	-1.45E-05	-1.69E-04
3.69E+02	-7.83E-04	5.61E-05	-1.84E-04
3.69E+02	-8.71E-04	1.34E-04	-2.15E-04
3.69E+02	-9.52E-04	2.33E-04	-2.09E-04
3.69E+02	-1.02E-03	3.54E-04	-1.58E-04
3.69E+02	-1.06E-03	4.47E-04	-1.79E-04
3.69E+02	-1.09E-03	5.22E-04	-2.24E-04
3.69E+02	-1.11E-03	5.87E-04	-2.46E-04
3.69E+02	-1.04E-03	6.50E-04	-2.24E-04
3.69E+02	-9.59E-04	6.90E-04	-1.40E-04
3.69E+02	-8.91E-04	6.69E-04	-9.27E-05
3.69E+02	-7.91E-04	6.41E-04	-3.36E-05
3.69E+02	-6.70E-04	5.97E-04	6.35E-05
3.69E+02	-5.43E-04	5.06E-04	1.07E-04
3.69E+02	-4.55E-04	3.91E-04	1.52E-04
3.69E+02	-4.07E-04	2.48E-04	1.65E-04
3.69E+02	-3.26E-04	1.10E-04	1.13E-04
3.69E+02	-2.49E-04	3.43E-06	6.08E-05
3.69E+02	-2.16E-04	-9.54E-05	-3.53E-05
3.69E+02	-1.57E-04	-1.59E-04	-1.04E-04
3.69E+02	-7.36E-05	-1.95E-04	-8.56E-05
3.69E+02	2.75E-05	-2.48E-04	-7.90E-05
3.69E+02	1.32E-04	-3.33E-04	-6.01E-05
3.69E+02	2.27E-04	-4.29E-04	4.39E-06
3.69E+02	3.64E-04	-5.02E-04	6.14E-05
3.69E+02	4.79E-04	-5.59E-04	6.73E-05

3.69E+02	5.35E-04	-6.27E-04	-1.98E-05
3.69E+02	5.77E-04	-6.64E-04	-8.39E-05
3.69E+02	6.07E-04	-6.32E-04	-4.27E-05
3.69E+02	6.44E-04	-5.66E-04	1.14E-06
3.69E+02	6.51E-04	-4.90E-04	5.26E-05
3.69E+02	6.31E-04	-4.06E-04	1.18E-04
3.69E+02	6.61E-04	-3.15E-04	1.51E-04
3.69E+02	7.08E-04	-2.29E-04	1.54E-04
3.69E+02	7.35E-04	-1.74E-04	1.04E-04
3.69E+02	7.76E-04	-1.13E-04	7.48E-05
3.69E+02	8.13E-04	-3.83E-05	8.96E-05
3.69E+02	8.20E-04	-1.72E-06	1.45E-05
3.69E+02	7.67E-04	5.34E-06	-9.80E-05
3.69E+02	6.48E-04	-4.96E-06	-1.68E-04
3.69E+02	5.44E-04	-1.83E-05	-2.17E-04
3.69E+02	4.41E-04	-3.74E-05	-2.12E-04
3.69E+02	3.03E-04	-9.52E-05	-2.13E-04
3.69E+02	2.08E-04	-1.56E-04	-2.05E-04
3.69E+02	1.45E-04	-1.81E-04	-1.25E-04
3.69E+02	1.11E-04	-1.95E-04	-9.40E-05
3.70E+02	8.11E-05	-2.16E-04	-1.17E-04
3.70E+02	1.26E-05	-2.52E-04	-1.85E-04
3.70E+02	-8.20E-06	-2.76E-04	-3.02E-04
3.70E+02	-1.60E-05	-2.67E-04	-3.49E-04
3.70E+02	-8.14E-05	-2.55E-04	-3.54E-04
3.70E+02	-1.69E-04	-2.27E-04	-3.08E-04
3.70E+02	-2.76E-04	-1.71E-04	-1.72E-04
3.70E+02	-3.75E-04	-1.18E-04	-6.68E-05
3.70E+02	-4.91E-04	-7.38E-05	3.68E-05
3.70E+02	-6.54E-04	-4.08E-05	1.71E-04
3.70E+02	-7.64E-04	1.68E-05	3.23E-04
3.70E+02	-8.48E-04	9.71E-05	4.98E-04
3.70E+02	-9.70E-04	1.37E-04	5.42E-04
3.70E+02	-1.05E-03	1.74E-04	4.83E-04
3.70E+02	-1.09E-03	2.42E-04	4.63E-04
3.70E+02	-1.12E-03	3.05E-04	3.85E-04
3.70E+02	-1.11E-03	3.63E-04	2.67E-04
3.70E+02	-1.12E-03	4.22E-04	1.89E-04
3.70E+02	-1.09E-03	4.69E-04	9.06E-05
3.70E+02	-1.02E-03	5.22E-04	2.67E-06
3.70E+02	-9.57E-04	5.78E-04	-5.46E-05
3.70E+02	-9.13E-04	6.11E-04	-7.97E-05
3.70E+02	-8.79E-04	6.69E-04	7.63E-06
3.70E+02	-8.52E-04	7.42E-04	1.14E-04
3.70E+02	-8.41E-04	7.94E-04	2.00E-04
3.70E+02	-8.67E-04	8.58E-04	3.27E-04
3.70E+02	-8.60E-04	9.26E-04	4.45E-04

3.70E+02	-8.20E-04	9.79E-04	5.53E-04
3.70E+02	-8.15E-04	9.80E-04	5.84E-04
3.70E+02	-7.80E-04	9.16E-04	5.33E-04
3.70E+02	-6.86E-04	8.53E-04	5.44E-04
3.70E+02	-5.53E-04	7.83E-04	5.66E-04
3.70E+02	-4.02E-04	6.81E-04	5.46E-04
3.70E+02	-2.76E-04	5.59E-04	5.13E-04
3.70E+02	-1.24E-04	4.30E-04	4.54E-04
3.70E+02	3.64E-05	3.20E-04	4.10E-04
3.70E+02	1.29E-04	1.73E-04	3.25E-04
3.70E+02	2.16E-04	5.53E-06	2.26E-04
3.70E+02	3.08E-04	-1.16E-04	2.44E-04
3.70E+02	3.81E-04	-2.44E-04	2.55E-04
3.70E+02	4.47E-04	-3.56E-04	2.06E-04
3.70E+02	4.71E-04	-4.35E-04	1.86E-04
3.70E+02	5.15E-04	-4.78E-04	1.59E-04
3.70E+02	5.91E-04	-4.30E-04	1.55E-04
3.70E+02	6.26E-04	-3.74E-04	1.28E-04
3.70E+02	6.91E-04	-3.37E-04	8.37E-05
3.70E+02	7.93E-04	-2.53E-04	1.49E-04
3.70E+02	9.08E-04	-1.87E-04	2.08E-04
3.70E+02	1.03E-03	-1.71E-04	2.39E-04
3.70E+02	1.09E-03	-1.87E-04	2.90E-04
3.70E+02	1.14E-03	-2.28E-04	2.91E-04
3.70E+02	1.20E-03	-2.51E-04	3.06E-04
3.70E+02	1.18E-03	-2.84E-04	2.94E-04
3.70E+02	1.13E-03	-3.43E-04	2.42E-04
3.70E+02	1.07E-03	-3.74E-04	2.67E-04
3.70E+02	9.95E-04	-4.00E-04	2.66E-04
3.70E+02	9.21E-04	-4.32E-04	2.19E-04
3.70E+02	7.72E-04	-4.54E-04	2.16E-04
3.70E+02	6.21E-04	-4.63E-04	1.96E-04
3.70E+02	5.20E-04	-4.47E-04	1.66E-04
3.70E+02	3.94E-04	-4.35E-04	1.16E-04
3.70E+02	2.74E-04	-4.24E-04	5.04E-05
3.70E+02	2.01E-04	-3.61E-04	7.99E-05
3.70E+02	1.67E-04	-2.76E-04	1.61E-04
3.70E+02	1.54E-04	-1.96E-04	2.52E-04
3.70E+02	1.09E-04	-1.30E-04	3.28E-04
3.70E+02	7.92E-05	-8.32E-05	3.33E-04
3.70E+02	9.23E-05	3.81E-07	3.78E-04
3.70E+02	6.39E-05	9.61E-05	4.26E-04
3.70E+02	1.45E-05	1.70E-04	3.78E-04
3.70E+02	-2.16E-05	2.86E-04	3.95E-04
3.70E+02	-4.35E-05	4.25E-04	4.43E-04
3.70E+02	-5.63E-05	5.42E-04	4.01E-04
3.70E+02	-1.33E-04	6.31E-04	3.85E-04

3.70E+02	-2.13E-04	6.72E-04	4.00E-04
3.70E+02	-2.34E-04	6.89E-04	4.26E-04
3.70E+02	-2.73E-04	6.62E-04	4.29E-04
3.70E+02	-3.03E-04	6.09E-04	3.56E-04
3.70E+02	-2.81E-04	5.91E-04	3.10E-04
3.70E+02	-2.35E-04	5.90E-04	2.65E-04
3.70E+02	-1.88E-04	5.94E-04	1.90E-04
3.70E+02	-1.99E-04	5.87E-04	1.56E-04
3.70E+02	-2.38E-04	5.48E-04	1.00E-04
3.70E+02	-2.47E-04	5.01E-04	4.04E-05
3.70E+02	-3.02E-04	4.14E-04	-9.54E-06
3.70E+02	-3.86E-04	2.75E-04	-9.29E-05
3.70E+02	-4.44E-04	1.45E-04	-9.04E-05
3.70E+02	-4.98E-04	1.70E-05	-1.51E-05
3.70E+02	-5.11E-04	-9.73E-05	3.87E-05
3.70E+02	-5.16E-04	-1.73E-04	1.24E-04
3.70E+02	-5.14E-04	-2.28E-04	2.09E-04
3.70E+02	-4.43E-04	-2.12E-04	2.85E-04
3.70E+02	-3.89E-04	-1.43E-04	3.18E-04
3.70E+02	-3.54E-04	-9.02E-05	2.53E-04
3.70E+02	-2.98E-04	-5.72E-06	2.22E-04
3.70E+02	-2.61E-04	1.04E-04	2.20E-04
3.70E+02	-2.39E-04	2.12E-04	1.75E-04
3.70E+02	-2.67E-04	3.47E-04	1.79E-04
3.70E+02	-3.19E-04	4.85E-04	2.03E-04
3.70E+02	-3.17E-04	6.34E-04	2.61E-04
3.70E+02	-3.25E-04	7.71E-04	3.63E-04
3.70E+02	-3.39E-04	8.55E-04	4.05E-04
3.70E+02	-3.13E-04	9.25E-04	4.68E-04
3.70E+02	-2.82E-04	9.63E-04	5.08E-04
3.70E+02	-2.24E-04	9.54E-04	4.05E-04
3.70E+02	-2.12E-04	8.93E-04	2.48E-04
3.70E+02	-2.53E-04	7.87E-04	8.05E-05
3.70E+02	-2.32E-04	6.92E-04	-2.16E-05
3.70E+02	-2.37E-04	5.70E-04	-6.35E-05
3.70E+02	-2.72E-04	3.94E-04	-1.35E-04
3.70E+02	-2.77E-04	2.16E-04	-1.25E-04
3.70E+02	-2.83E-04	4.81E-05	-2.86E-05
3.70E+02	-2.89E-04	-1.31E-04	4.77E-05
3.70E+02	-3.51E-04	-2.96E-04	1.30E-04
3.70E+02	-4.43E-04	-4.34E-04	2.02E-04
3.70E+02	-4.77E-04	-5.09E-04	2.87E-04
3.70E+02	-5.12E-04	-5.02E-04	4.05E-04
3.70E+02	-5.47E-04	-4.85E-04	4.43E-04
3.70E+02	-5.25E-04	-4.29E-04	4.56E-04
3.70E+02	-4.52E-04	-3.36E-04	4.98E-04
3.70E+02	-3.23E-04	-2.75E-04	4.67E-04

3.70E+02	-1.88E-04	-2.27E-04	4.28E-04
3.70E+02	-8.53E-05	-1.84E-04	4.54E-04
3.70E+02	3.97E-05	-1.24E-04	4.80E-04
3.70E+02	1.51E-04	-7.46E-05	4.45E-04
3.70E+02	2.01E-04	-8.81E-05	3.38E-04
3.70E+02	2.25E-04	-1.16E-04	2.56E-04
3.70E+02	2.56E-04	-1.46E-04	2.23E-04
3.70E+02	2.95E-04	-1.67E-04	1.83E-04
3.70E+02	2.77E-04	-1.68E-04	1.22E-04
3.70E+02	2.30E-04	-1.79E-04	5.15E-06
3.70E+02	2.50E-04	-1.64E-04	-1.04E-04
3.70E+02	2.51E-04	-1.52E-04	-1.75E-04
3.70E+02	2.20E-04	-1.85E-04	-2.74E-04
3.70E+02	2.29E-04	-2.06E-04	-3.06E-04
3.70E+02	2.39E-04	-2.25E-04	-2.73E-04
3.70E+02	2.65E-04	-2.68E-04	-2.95E-04
3.70E+02	2.86E-04	-3.07E-04	-3.19E-04
3.70E+02	2.87E-04	-3.46E-04	-2.90E-04
3.70E+02	3.38E-04	-3.57E-04	-2.04E-04
3.70E+02	3.89E-04	-3.49E-04	-1.09E-04
3.70E+02	3.96E-04	-3.89E-04	-1.14E-04
3.70E+02	4.22E-04	-4.30E-04	-1.43E-04
3.70E+02	4.56E-04	-4.36E-04	-1.20E-04
3.70E+02	5.05E-04	-4.40E-04	-1.41E-04
3.70E+02	5.33E-04	-4.39E-04	-1.81E-04
3.70E+02	5.17E-04	-4.19E-04	-2.10E-04
3.70E+02	5.42E-04	-3.69E-04	-2.33E-04
3.70E+02	5.56E-04	-3.06E-04	-2.04E-04
3.70E+02	5.38E-04	-2.70E-04	-1.70E-04
3.70E+02	5.32E-04	-2.53E-04	-1.30E-04
3.70E+02	4.95E-04	-2.38E-04	-7.80E-05
3.70E+02	4.62E-04	-2.45E-04	-1.18E-04
3.70E+02	3.93E-04	-2.60E-04	-2.11E-04
3.70E+02	2.35E-04	-2.61E-04	-2.88E-04
3.70E+02	8.16E-05	-2.29E-04	-3.75E-04
3.70E+02	-8.14E-05	-1.67E-04	-4.76E-04
3.70E+02	-2.90E-04	-1.33E-04	-6.24E-04
3.70E+02	-4.62E-04	-1.13E-04	-7.36E-04
3.70E+02	-6.07E-04	-6.77E-05	-7.42E-04
3.70E+02	-7.36E-04	-1.47E-05	-7.26E-04
3.70E+02	-8.67E-04	2.54E-05	-6.75E-04
3.70E+02	-1.03E-03	5.40E-05	-5.75E-04
3.70E+02	-1.12E-03	6.48E-05	-4.66E-04
3.70E+02	-1.15E-03	6.08E-05	-3.27E-04
3.70E+02	-1.19E-03	4.77E-05	-2.13E-04
3.70E+02	-1.20E-03	1.91E-05	-1.36E-04
3.70E+02	-1.17E-03	-7.06E-06	-2.06E-05

3.70E+02	-1.11E-03	-3.74E-05	3.87E-05
3.70E+02	-1.06E-03	-6.28E-05	2.40E-05
3.70E+02	-1.05E-03	-7.84E-05	-6.10E-06
3.70E+02	-1.02E-03	-8.22E-05	-4.77E-05
3.70E+02	-9.75E-04	-4.77E-05	-3.38E-05
3.70E+02	-9.79E-04	-5.36E-05	-8.14E-05
3.70E+02	-9.78E-04	-9.84E-05	-1.88E-04
3.70E+02	-9.27E-04	-1.23E-04	-1.87E-04
3.70E+02	-8.55E-04	-1.63E-04	-1.75E-04
3.70E+02	-7.85E-04	-1.91E-04	-1.73E-04
3.70E+02	-7.36E-04	-2.06E-04	-1.39E-04
3.70E+02	-6.49E-04	-2.01E-04	-1.34E-04
3.70E+02	-5.21E-04	-1.57E-04	-1.23E-04
3.70E+02	-4.26E-04	-1.24E-04	-1.23E-04
3.70E+02	-3.14E-04	-7.10E-05	-1.27E-04
3.70E+02	-1.56E-04	3.60E-05	-4.96E-05
3.70E+02	2.17E-05	1.58E-04	4.20E-05
3.70E+02	1.86E-04	2.78E-04	1.16E-04
3.70E+02	2.87E-04	3.62E-04	2.22E-04
3.70E+02	3.97E-04	4.23E-04	3.47E-04
3.70E+02	4.99E-04	4.70E-04	4.73E-04
3.70E+02	5.35E-04	4.43E-04	5.21E-04
3.70E+02	5.90E-04	3.59E-04	5.05E-04
3.70E+02	6.49E-04	2.58E-04	5.22E-04
3.70E+02	7.01E-04	1.60E-04	4.96E-04
3.70E+02	7.49E-04	8.45E-05	3.84E-04
3.70E+02	7.46E-04	5.72E-07	2.22E-04
3.70E+02	7.64E-04	-8.54E-05	1.34E-05
3.70E+02	7.83E-04	-1.58E-04	-1.77E-04
3.70E+02	7.39E-04	-2.61E-04	-3.49E-04
3.70E+02	6.86E-04	-3.77E-04	-5.08E-04
3.70E+02	6.26E-04	-4.64E-04	-5.54E-04
3.71E+02	5.70E-04	-5.50E-04	-5.50E-04
3.71E+02	5.26E-04	-6.20E-04	-5.25E-04
3.71E+02	4.38E-04	-6.51E-04	-4.46E-04
3.71E+02	3.71E-04	-6.37E-04	-3.97E-04
3.71E+02	3.47E-04	-5.57E-04	-3.81E-04
3.71E+02	2.94E-04	-4.50E-04	-4.33E-04
3.71E+02	2.72E-04	-3.30E-04	-5.27E-04
3.71E+02	2.97E-04	-1.64E-04	-5.42E-04
3.71E+02	3.46E-04	2.37E-05	-5.26E-04
3.71E+02	4.08E-04	2.19E-04	-4.88E-04
3.71E+02	4.15E-04	4.09E-04	-4.00E-04
3.71E+02	4.19E-04	5.87E-04	-3.16E-04
3.71E+02	4.48E-04	7.72E-04	-2.04E-04
3.71E+02	4.11E-04	9.09E-04	-1.31E-04
3.71E+02	3.40E-04	9.72E-04	-1.75E-04

3.71E+02	2.77E-04	1.01E-03	-2.14E-04
3.71E+02	2.20E-04	1.00E-03	-2.67E-04
3.71E+02	1.77E-04	9.58E-04	-3.40E-04
3.71E+02	1.01E-04	8.90E-04	-3.26E-04
3.71E+02	2.35E-05	8.01E-04	-2.92E-04
3.71E+02	-8.39E-06	7.10E-04	-2.46E-04
3.71E+02	-5.07E-05	5.86E-04	-2.08E-04
3.71E+02	-9.73E-05	4.20E-04	-2.16E-04
3.71E+02	-1.09E-04	2.65E-04	-1.68E-04
3.71E+02	-8.37E-05	1.18E-04	-1.12E-04
3.71E+02	-4.54E-05	-1.66E-05	-8.24E-05
3.71E+02	-4.54E-05	-1.19E-04	-2.65E-05
3.71E+02	-2.57E-05	-2.17E-04	4.96E-06
3.71E+02	4.14E-05	-2.93E-04	4.54E-05
3.71E+02	4.63E-05	-3.62E-04	9.88E-05
3.71E+02	-4.58E-06	-4.53E-04	7.46E-05
3.71E+02	-5.86E-05	-4.94E-04	5.86E-05
3.71E+02	-1.34E-04	-4.96E-04	7.19E-05
3.71E+02	-2.36E-04	-5.03E-04	2.35E-05
3.71E+02	-3.84E-04	-4.87E-04	-1.64E-05
3.71E+02	-5.33E-04	-4.59E-04	-1.79E-05
3.71E+02	-6.46E-04	-4.05E-04	2.00E-05
3.71E+02	-7.81E-04	-3.48E-04	5.23E-05
3.71E+02	-9.00E-04	-3.22E-04	-7.82E-06
3.71E+02	-9.59E-04	-2.60E-04	-5.19E-05
3.71E+02	-9.70E-04	-1.67E-04	-6.94E-05
3.71E+02	-9.18E-04	-7.19E-05	-1.22E-04
3.71E+02	-8.44E-04	4.37E-05	-1.39E-04
3.71E+02	-7.56E-04	1.67E-04	-1.29E-04
3.71E+02	-6.15E-04	2.93E-04	-1.13E-04
3.71E+02	-4.90E-04	3.69E-04	-1.04E-04
3.71E+02	-3.98E-04	3.79E-04	-1.18E-04
3.71E+02	-2.70E-04	4.01E-04	-4.67E-05
3.71E+02	-1.29E-04	4.06E-04	2.77E-05
3.71E+02	1.01E-05	3.77E-04	2.59E-05
3.71E+02	1.14E-04	3.56E-04	6.03E-05
3.71E+02	1.80E-04	3.19E-04	7.88E-05
3.71E+02	2.68E-04	3.04E-04	1.01E-04
3.71E+02	3.17E-04	2.80E-04	1.07E-04
3.71E+02	3.33E-04	1.84E-04	3.81E-07
3.71E+02	3.73E-04	7.32E-05	-6.98E-05
3.71E+02	4.13E-04	-3.74E-05	-9.17E-05
3.71E+02	4.66E-04	-1.51E-04	-1.04E-04
3.71E+02	4.85E-04	-2.58E-04	-5.15E-05
3.71E+02	4.90E-04	-3.70E-04	-5.34E-06
3.71E+02	5.29E-04	-4.56E-04	2.65E-05
3.71E+02	5.29E-04	-5.20E-04	2.06E-05

3.71E+02	4.94E-04	-6.09E-04	-9.90E-05
3.71E+02	4.73E-04	-6.66E-04	-2.26E-04
3.71E+02	4.80E-04	-6.69E-04	-3.06E-04
3.71E+02	5.07E-04	-6.56E-04	-4.04E-04
3.71E+02	5.07E-04	-5.92E-04	-4.48E-04
3.71E+02	4.84E-04	-4.96E-04	-4.46E-04
3.71E+02	4.76E-04	-3.59E-04	-4.31E-04
3.71E+02	4.29E-04	-1.88E-04	-3.85E-04
3.71E+02	3.29E-04	-5.17E-05	-3.79E-04
3.71E+02	2.20E-04	7.71E-05	-3.51E-04
3.71E+02	8.96E-05	2.04E-04	-3.06E-04
3.71E+02	-4.96E-05	3.11E-04	-3.28E-04
3.71E+02	-2.32E-04	3.84E-04	-3.26E-04
3.71E+02	-4.39E-04	4.06E-04	-2.94E-04
3.71E+02	-5.65E-04	4.31E-04	-2.15E-04
3.71E+02	-6.72E-04	4.46E-04	-8.95E-05
3.71E+02	-7.84E-04	4.34E-04	-2.61E-05
3.71E+02	-8.39E-04	4.33E-04	5.99E-05
3.71E+02	-8.43E-04	4.22E-04	1.74E-04
3.71E+02	-8.01E-04	3.96E-04	2.00E-04
3.71E+02	-7.54E-04	3.63E-04	2.19E-04
3.71E+02	-7.12E-04	3.24E-04	2.56E-04
3.71E+02	-6.11E-04	3.21E-04	2.93E-04
3.71E+02	-5.06E-04	3.24E-04	3.07E-04
3.71E+02	-4.40E-04	2.83E-04	2.12E-04
3.71E+02	-3.48E-04	2.51E-04	1.22E-04
3.71E+02	-2.34E-04	2.52E-04	9.86E-05
3.71E+02	-1.31E-04	2.46E-04	2.73E-05
3.71E+02	-7.92E-05	2.53E-04	-6.96E-05
3.71E+02	-7.80E-05	2.74E-04	-1.79E-04
3.71E+02	-5.55E-05	2.94E-04	-2.72E-04
3.71E+02	-7.06E-05	3.01E-04	-3.06E-04
3.71E+02	-1.61E-04	2.44E-04	-3.72E-04
3.71E+02	-2.37E-04	2.03E-04	-4.00E-04
3.71E+02	-2.91E-04	2.10E-04	-3.27E-04
3.71E+02	-3.21E-04	2.17E-04	-2.61E-04
3.71E+02	-3.46E-04	2.60E-04	-1.73E-04
3.71E+02	-3.84E-04	3.22E-04	-5.40E-05
3.71E+02	-3.75E-04	4.13E-04	4.69E-05
3.71E+02	-3.70E-04	5.28E-04	1.25E-04
3.71E+02	-4.02E-04	5.90E-04	1.07E-04
3.71E+02	-4.25E-04	6.31E-04	6.45E-05
3.71E+02	-4.30E-04	6.87E-04	1.08E-04
3.71E+02	-4.19E-04	7.35E-04	1.50E-04
3.71E+02	-4.31E-04	7.77E-04	2.06E-04
3.71E+02	-4.52E-04	8.32E-04	3.09E-04
3.71E+02	-4.20E-04	8.90E-04	3.78E-04

3.71E+02	-3.58E-04	9.49E-04	4.23E-04
3.71E+02	-2.97E-04	9.87E-04	4.19E-04
3.71E+02	-2.41E-04	9.97E-04	3.81E-04
3.71E+02	-1.70E-04	1.02E-03	3.70E-04
3.71E+02	-6.39E-05	1.01E-03	2.74E-04
3.71E+02	2.77E-05	9.54E-04	1.32E-04
3.71E+02	8.68E-05	8.71E-04	4.62E-05
3.71E+02	1.65E-04	7.68E-04	-1.83E-05
3.71E+02	2.50E-04	6.58E-04	-7.67E-05
3.71E+02	2.94E-04	5.03E-04	-2.10E-04
3.71E+02	3.31E-04	3.49E-04	-3.20E-04
3.71E+02	3.77E-04	2.37E-04	-3.09E-04
3.71E+02	4.08E-04	1.22E-04	-3.34E-04
3.71E+02	4.07E-04	2.08E-05	-3.68E-04
3.71E+02	3.54E-04	-8.26E-05	-3.78E-04
3.71E+02	3.19E-04	-1.77E-04	-4.01E-04
3.71E+02	2.89E-04	-2.43E-04	-3.81E-04
3.71E+02	1.86E-04	-3.39E-04	-4.01E-04
3.71E+02	9.04E-05	-4.11E-04	-4.20E-04
3.71E+02	-1.85E-05	-4.49E-04	-3.76E-04
3.71E+02	-1.43E-04	-5.00E-04	-3.94E-04
3.71E+02	-2.44E-04	-5.31E-04	-3.99E-04
3.71E+02	-3.76E-04	-5.44E-04	-3.31E-04
3.71E+02	-4.61E-04	-5.39E-04	-2.32E-04
3.71E+02	-5.06E-04	-5.24E-04	-7.46E-05
3.71E+02	-5.77E-04	-5.52E-04	2.16E-05
3.71E+02	-6.05E-04	-5.98E-04	3.55E-05
3.71E+02	-6.04E-04	-6.01E-04	9.61E-05
3.71E+02	-5.85E-04	-5.66E-04	1.59E-04
3.71E+02	-5.54E-04	-5.00E-04	2.13E-04
3.71E+02	-5.36E-04	-4.06E-04	2.86E-04
3.71E+02	-4.82E-04	-2.95E-04	3.44E-04
3.71E+02	-4.28E-04	-1.57E-04	4.10E-04
3.71E+02	-4.40E-04	-2.77E-05	4.39E-04
3.71E+02	-4.79E-04	9.78E-05	4.04E-04
3.71E+02	-5.08E-04	2.53E-04	3.91E-04
3.71E+02	-5.14E-04	3.80E-04	3.28E-04
3.71E+02	-5.08E-04	4.68E-04	2.10E-04
3.71E+02	-5.02E-04	5.40E-04	1.89E-04
3.71E+02	-4.65E-04	5.86E-04	2.13E-04
3.71E+02	-3.83E-04	6.33E-04	2.42E-04
3.71E+02	-3.02E-04	6.44E-04	2.36E-04
3.71E+02	-2.20E-04	6.03E-04	1.55E-04
3.71E+02	-9.80E-05	5.81E-04	1.09E-04
3.71E+02	4.18E-05	5.73E-04	4.02E-05
3.71E+02	1.50E-04	5.70E-04	-5.26E-05
3.71E+02	2.01E-04	5.68E-04	-9.94E-05

3.71E+02	2.46E-04	5.46E-04	-1.56E-04
3.71E+02	2.84E-04	5.29E-04	-1.72E-04
3.71E+02	2.63E-04	4.75E-04	-1.83E-04
3.71E+02	2.33E-04	3.88E-04	-2.29E-04
3.71E+02	2.29E-04	3.40E-04	-2.15E-04
3.71E+02	2.47E-04	2.86E-04	-2.08E-04
3.71E+02	2.79E-04	2.23E-04	-2.35E-04
3.71E+02	2.66E-04	1.77E-04	-1.93E-04
3.71E+02	2.52E-04	1.51E-04	-8.87E-05
3.71E+02	2.74E-04	1.80E-04	3.11E-05
3.71E+02	2.40E-04	1.80E-04	6.98E-05
3.71E+02	1.78E-04	1.41E-04	6.20E-05
3.71E+02	1.55E-04	1.57E-04	1.44E-04
3.71E+02	1.52E-04	1.94E-04	2.27E-04
3.71E+02	1.38E-04	2.37E-04	2.49E-04
3.71E+02	8.91E-05	2.93E-04	2.24E-04
3.71E+02	6.37E-05	3.56E-04	1.56E-04
3.71E+02	6.03E-05	4.42E-04	1.05E-04
3.71E+02	1.87E-05	5.06E-04	1.93E-05
3.71E+02	-1.96E-05	5.24E-04	-1.04E-04
3.71E+02	-3.59E-05	5.27E-04	-1.69E-04
3.71E+02	-3.85E-05	4.83E-04	-2.49E-04
3.71E+02	-1.93E-05	3.77E-04	-3.77E-04
3.71E+02	-1.72E-06	2.53E-04	-4.70E-04
3.71E+02	4.44E-05	1.37E-04	-5.26E-04
3.71E+02	1.34E-04	5.30E-05	-5.20E-04
3.71E+02	1.85E-04	-4.08E-05	-4.91E-04
3.71E+02	2.02E-04	-1.42E-04	-4.78E-04
3.71E+02	2.33E-04	-2.00E-04	-3.76E-04
3.71E+02	2.60E-04	-2.49E-04	-2.13E-04
3.71E+02	2.67E-04	-2.95E-04	-5.66E-05
3.71E+02	2.20E-04	-3.19E-04	1.30E-04
3.71E+02	1.79E-04	-3.20E-04	3.00E-04
3.71E+02	1.90E-04	-2.76E-04	4.68E-04
3.71E+02	1.65E-04	-2.26E-04	6.16E-04
3.71E+02	1.12E-04	-2.01E-04	6.72E-04
3.71E+02	7.34E-05	-1.72E-04	7.41E-04
3.71E+02	4.27E-05	-1.54E-04	7.95E-04
3.71E+02	3.19E-05	-1.62E-04	7.57E-04
3.71E+02	1.34E-06	-1.90E-04	7.36E-04
3.71E+02	-1.77E-05	-2.24E-04	7.22E-04
3.71E+02	8.96E-06	-2.39E-04	7.08E-04
3.71E+02	1.37E-05	-2.68E-04	6.49E-04
3.71E+02	2.69E-05	-3.41E-04	4.74E-04
3.72E+02	8.49E-05	-3.91E-04	3.07E-04
3.72E+02	1.51E-04	-4.08E-04	1.29E-04
3.72E+02	2.14E-04	-4.09E-04	-9.50E-05

3.72E+02	2.42E-04	-3.67E-04	-2.61E-04
3.72E+02	2.76E-04	-2.75E-04	-3.91E-04
3.72E+02	3.58E-04	-1.22E-04	-4.79E-04
3.72E+02	3.96E-04	4.29E-05	-5.18E-04
3.72E+02	3.72E-04	1.87E-04	-5.35E-04
3.72E+02	3.36E-04	3.44E-04	-4.26E-04
3.72E+02	2.92E-04	4.83E-04	-2.14E-04
3.72E+02	2.27E-04	5.83E-04	-4.88E-05
3.72E+02	1.37E-04	6.78E-04	1.18E-04
3.72E+02	7.99E-05	7.89E-04	3.21E-04
3.72E+02	6.87E-05	9.16E-04	5.03E-04
3.72E+02	5.70E-05	1.02E-03	6.11E-04
3.72E+02	6.96E-05	1.07E-03	6.01E-04
3.72E+02	1.18E-04	1.09E-03	5.84E-04
3.72E+02	1.86E-04	1.08E-03	5.34E-04
3.72E+02	2.69E-04	1.03E-03	3.84E-04
3.72E+02	3.19E-04	9.42E-04	2.56E-04
3.72E+02	3.55E-04	8.25E-04	1.53E-04
3.72E+02	4.09E-04	6.91E-04	9.96E-05
3.72E+02	4.10E-04	5.40E-04	1.13E-04
3.72E+02	3.45E-04	3.57E-04	7.06E-05
3.72E+02	2.72E-04	1.80E-04	4.52E-05
3.72E+02	2.12E-04	1.24E-05	-2.86E-06
3.72E+02	1.63E-04	-1.68E-04	-1.66E-04
3.72E+02	9.94E-05	-3.01E-04	-2.74E-04
3.72E+02	4.23E-05	-3.78E-04	-3.44E-04
3.72E+02	4.98E-05	-3.92E-04	-4.11E-04
3.72E+02	8.49E-05	-3.37E-04	-4.52E-04
3.72E+02	1.15E-04	-2.92E-04	-5.22E-04
3.72E+02	1.78E-04	-2.30E-04	-4.95E-04
3.72E+02	2.59E-04	-1.58E-04	-3.84E-04
3.72E+02	3.40E-04	-1.26E-04	-3.28E-04
3.72E+02	4.01E-04	-1.12E-04	-2.96E-04
3.72E+02	4.34E-04	-1.23E-04	-2.81E-04
3.72E+02	5.01E-04	-1.38E-04	-2.54E-04
3.72E+02	5.43E-04	-1.68E-04	-1.86E-04
3.72E+02	5.26E-04	-2.47E-04	-1.47E-04
3.72E+02	5.21E-04	-3.14E-04	-1.03E-04
3.72E+02	5.01E-04	-3.74E-04	-5.61E-05
3.72E+02	4.56E-04	-4.53E-04	-1.07E-04
3.72E+02	3.73E-04	-5.09E-04	-1.75E-04
3.72E+02	2.56E-04	-5.32E-04	-2.12E-04
3.72E+02	1.73E-04	-4.95E-04	-2.48E-04
3.72E+02	8.05E-05	-4.28E-04	-2.57E-04
3.72E+02	-4.71E-05	-3.97E-04	-2.77E-04
3.72E+02	-1.46E-04	-3.62E-04	-2.31E-04
3.72E+02	-2.13E-04	-3.20E-04	-8.45E-05

3.72E+02	-2.63E-04	-3.12E-04	4.63E-05
3.72E+02	-3.07E-04	-3.14E-04	1.74E-04
3.72E+02	-3.33E-04	-3.10E-04	3.01E-04
3.72E+02	-2.83E-04	-2.70E-04	3.94E-04
3.72E+02	-1.93E-04	-1.94E-04	4.47E-04
3.72E+02	-1.01E-04	-1.17E-04	4.33E-04
3.72E+02	3.83E-05	-1.72E-05	4.55E-04
3.72E+02	2.06E-04	8.16E-05	4.95E-04
3.72E+02	4.00E-04	1.33E-04	4.16E-04
3.72E+02	5.64E-04	1.61E-04	3.27E-04
3.72E+02	6.65E-04	1.58E-04	2.67E-04
3.72E+02	7.81E-04	1.43E-04	2.07E-04
3.72E+02	8.36E-04	1.37E-04	1.78E-04
3.72E+02	8.00E-04	1.01E-04	9.50E-05
3.72E+02	7.57E-04	8.75E-05	1.53E-05
3.72E+02	6.89E-04	1.15E-04	1.34E-06
3.72E+02	6.18E-04	1.48E-04	-2.67E-05
3.72E+02	5.28E-04	2.00E-04	-5.11E-05
3.72E+02	4.27E-04	2.52E-04	-7.29E-05
3.72E+02	4.07E-04	3.05E-04	-7.36E-05
3.72E+02	4.28E-04	3.44E-04	-2.67E-05
3.72E+02	4.57E-04	3.22E-04	-1.01E-05
3.72E+02	5.08E-04	2.59E-04	1.75E-05
3.72E+02	5.94E-04	1.97E-04	9.77E-05
3.72E+02	7.16E-04	1.19E-04	1.34E-04
3.72E+02	8.02E-04	3.26E-05	1.52E-04
3.72E+02	8.50E-04	-3.76E-05	2.13E-04
3.72E+02	9.05E-04	-7.97E-05	2.97E-04
3.72E+02	9.10E-04	-1.03E-04	3.78E-04
3.72E+02	8.21E-04	-1.64E-04	3.54E-04
3.72E+02	6.81E-04	-2.38E-04	2.45E-04
3.72E+02	5.12E-04	-2.79E-04	1.31E-04
3.72E+02	3.32E-04	-3.02E-04	-4.79E-05
3.72E+02	1.40E-04	-2.83E-04	-2.44E-04
3.72E+02	-7.63E-05	-2.29E-04	-3.71E-04
3.72E+02	-2.24E-04	-1.62E-04	-4.33E-04
3.72E+02	-3.17E-04	-8.35E-05	-4.06E-04
3.72E+02	-4.27E-04	-4.56E-05	-3.75E-04
3.72E+02	-4.89E-04	-2.77E-05	-3.34E-04
3.72E+02	-5.02E-04	-2.10E-06	-2.19E-04
3.72E+02	-4.80E-04	3.05E-06	-1.43E-04
3.72E+02	-4.29E-04	4.58E-06	-8.24E-05
3.72E+02	-3.74E-04	1.72E-05	2.88E-05
3.72E+02	-2.64E-04	6.37E-05	1.45E-04
3.72E+02	-1.47E-04	1.38E-04	2.43E-04
3.72E+02	-6.52E-05	1.59E-04	2.62E-04
3.72E+02	1.60E-05	1.31E-04	2.48E-04

3.72E+02	8.96E-05	9.31E-05	2.59E-04
3.72E+02	1.61E-04	4.08E-05	2.20E-04
3.72E+02	1.92E-04	-1.74E-05	1.45E-04
3.72E+02	1.72E-04	-8.60E-05	6.64E-05
3.72E+02	1.76E-04	-1.32E-04	-7.44E-06
3.72E+02	1.81E-04	-1.37E-04	-5.80E-05
3.72E+02	1.38E-04	-1.56E-04	-1.24E-04
3.72E+02	9.38E-05	-1.70E-04	-1.66E-04
3.72E+02	5.84E-05	-1.67E-04	-1.28E-04
3.72E+02	2.54E-05	-2.02E-04	-1.14E-04
3.72E+02	-2.78E-05	-2.48E-04	-1.38E-04
3.72E+02	-1.27E-04	-2.92E-04	-1.27E-04
3.72E+02	-1.96E-04	-3.36E-04	-1.29E-04
3.72E+02	-2.47E-04	-3.52E-04	-1.57E-04
3.72E+02	-3.20E-04	-3.84E-04	-2.36E-04
3.72E+02	-3.34E-04	-4.29E-04	-3.29E-04
3.72E+02	-2.92E-04	-4.49E-04	-3.01E-04
3.72E+02	-2.26E-04	-4.91E-04	-2.37E-04
3.72E+02	-1.54E-04	-5.73E-04	-1.91E-04
3.72E+02	-1.14E-04	-6.69E-04	-1.45E-04
3.72E+02	-5.49E-05	-7.74E-04	-1.44E-04
3.72E+02	1.22E-05	-8.44E-04	-1.11E-04
3.72E+02	2.50E-05	-8.92E-04	-8.03E-05
3.72E+02	3.17E-05	-9.18E-04	-5.72E-05
3.72E+02	5.97E-05	-8.91E-04	3.59E-05
3.72E+02	1.34E-04	-8.68E-04	8.24E-05
3.72E+02	2.55E-04	-8.49E-04	1.20E-04
3.72E+02	3.55E-04	-8.39E-04	2.16E-04
3.72E+02	4.97E-04	-8.38E-04	3.38E-04
3.72E+02	6.87E-04	-8.15E-04	5.23E-04
3.72E+02	8.04E-04	-8.59E-04	6.47E-04
3.72E+02	8.87E-04	-9.48E-04	6.90E-04
3.72E+02	9.50E-04	-1.00E-03	7.62E-04
3.72E+02	9.64E-04	-1.05E-03	7.92E-04
3.72E+02	9.28E-04	-1.07E-03	7.64E-04
3.72E+02	8.14E-04	-1.06E-03	6.99E-04
3.72E+02	7.05E-04	-1.03E-03	5.93E-04
3.72E+02	6.50E-04	-9.60E-04	5.16E-04
3.72E+02	5.68E-04	-8.87E-04	4.44E-04
3.72E+02	4.74E-04	-8.28E-04	3.42E-04
3.72E+02	4.01E-04	-7.48E-04	2.58E-04
3.72E+02	3.33E-04	-6.73E-04	1.35E-04
3.72E+02	2.53E-04	-6.13E-04	-5.84E-05
3.72E+02	1.18E-04	-5.44E-04	-2.26E-04
3.72E+02	-7.63E-07	-4.49E-04	-3.15E-04
3.72E+02	-1.00E-04	-3.25E-04	-3.26E-04
3.72E+02	-2.58E-04	-2.22E-04	-3.26E-04

3.72E+02	-4.05E-04	-1.45E-04	-3.21E-04
3.72E+02	-5.24E-04	-7.76E-05	-2.27E-04
3.72E+02	-6.27E-04	-4.29E-05	-1.31E-04
3.72E+02	-7.13E-04	-4.81E-05	-1.06E-04
3.72E+02	-8.27E-04	-8.54E-05	-9.99E-05
3.72E+02	-9.08E-04	-1.23E-04	-1.24E-04
3.72E+02	-9.24E-04	-1.27E-04	-1.59E-04
3.72E+02	-9.46E-04	-1.15E-04	-1.99E-04
3.72E+02	-9.55E-04	-9.38E-05	-2.47E-04
3.72E+02	-9.12E-04	-3.20E-05	-2.27E-04
3.72E+02	-8.41E-04	4.39E-05	-1.85E-04
3.72E+02	-7.56E-04	1.04E-04	-1.89E-04
3.72E+02	-6.88E-04	1.56E-04	-1.85E-04
3.72E+02	-6.11E-04	2.04E-04	-1.42E-04
3.72E+02	-4.98E-04	2.68E-04	-4.73E-05
3.72E+02	-4.29E-04	3.21E-04	3.01E-05
3.72E+02	-3.70E-04	3.37E-04	6.18E-05
3.72E+02	-2.77E-04	3.58E-04	1.47E-04
3.72E+02	-1.66E-04	3.85E-04	2.35E-04
3.72E+02	-2.78E-05	3.79E-04	2.72E-04
3.72E+02	8.85E-05	3.32E-04	3.04E-04
3.72E+02	2.18E-04	2.46E-04	3.00E-04
3.72E+02	3.74E-04	1.25E-04	2.51E-04
3.72E+02	4.77E-04	-3.74E-05	1.69E-04
3.72E+02	5.41E-04	-2.33E-04	4.01E-05
3.72E+02	5.68E-04	-4.25E-04	-7.27E-05
3.72E+02	5.62E-04	-6.13E-04	-1.50E-04
3.72E+02	5.38E-04	-7.98E-04	-2.05E-04
3.72E+02	4.43E-04	-9.44E-04	-1.89E-04
3.72E+02	3.43E-04	-1.02E-03	-1.23E-04
3.72E+02	2.85E-04	-1.02E-03	-4.33E-05
3.72E+02	2.11E-04	-9.64E-04	-2.29E-06
3.72E+02	1.51E-04	-9.11E-04	-4.43E-05
3.72E+02	1.51E-04	-8.26E-04	-6.10E-05
3.72E+02	2.21E-04	-7.06E-04	-3.93E-05
3.72E+02	3.18E-04	-5.64E-04	-4.25E-05
3.72E+02	3.91E-04	-4.16E-04	-2.78E-05
3.72E+02	4.64E-04	-2.82E-04	-2.84E-05
3.72E+02	5.55E-04	-1.44E-04	-2.37E-05
3.72E+02	6.13E-04	-1.95E-05	2.99E-05
3.72E+02	6.01E-04	5.46E-05	2.65E-05
3.72E+02	5.52E-04	1.33E-04	2.50E-05
3.72E+02	4.85E-04	2.28E-04	2.65E-05
3.72E+02	3.93E-04	2.77E-04	-8.09E-05
3.72E+02	2.46E-04	2.90E-04	-1.80E-04
3.72E+02	7.69E-05	2.60E-04	-2.26E-04
3.72E+02	-4.29E-05	2.16E-04	-2.07E-04

3.72E+02	-1.58E-04	1.62E-04	-1.21E-04
3.72E+02	-2.69E-04	5.32E-05	-8.91E-05
3.72E+02	-3.13E-04	-4.33E-05	-3.34E-05
3.72E+02	-2.79E-04	-9.84E-05	7.44E-05
3.72E+02	-1.74E-04	-1.44E-04	1.44E-04
3.72E+02	-6.85E-05	-1.74E-04	1.96E-04
3.72E+02	5.51E-05	-1.93E-04	2.09E-04
3.72E+02	2.39E-04	-1.64E-04	2.25E-04
3.72E+02	3.85E-04	-1.05E-04	2.26E-04
3.73E+02	4.68E-04	-6.50E-05	1.09E-04
3.73E+02	5.23E-04	-5.53E-06	-3.62E-06
3.73E+02	5.29E-04	7.06E-05	-1.08E-04
3.73E+02	4.86E-04	1.32E-04	-3.05E-04
3.73E+02	3.49E-04	1.82E-04	-4.60E-04
3.73E+02	1.58E-04	2.13E-04	-5.40E-04
3.73E+02	4.20E-06	2.34E-04	-5.62E-04
3.73E+02	-1.66E-04	2.02E-04	-5.22E-04
3.73E+02	-3.39E-04	6.96E-05	-5.10E-04
3.73E+02	-4.30E-04	-1.02E-04	-4.77E-04
3.73E+02	-4.40E-04	-2.86E-04	-4.14E-04
3.73E+02	-3.65E-04	-4.89E-04	-3.73E-04
3.73E+02	-2.53E-04	-6.59E-04	-2.57E-04
3.73E+02	-1.21E-04	-7.98E-04	-8.96E-05
3.73E+02	7.40E-05	-8.82E-04	5.61E-05
3.73E+02	2.55E-04	-9.03E-04	1.78E-04
3.73E+02	3.81E-04	-9.04E-04	2.29E-04
3.73E+02	5.00E-04	-8.38E-04	2.94E-04
3.73E+02	6.12E-04	-7.13E-04	3.97E-04
3.73E+02	7.23E-04	-5.63E-04	4.27E-04
3.73E+02	7.95E-04	-3.74E-04	4.31E-04
3.73E+02	8.26E-04	-1.67E-04	4.34E-04
3.73E+02	8.71E-04	7.17E-05	4.20E-04
3.73E+02	8.80E-04	3.24E-04	3.96E-04
3.73E+02	8.40E-04	5.25E-04	3.02E-04
3.73E+02	7.99E-04	6.74E-04	2.45E-04
3.73E+02	7.40E-04	7.80E-04	3.02E-04
3.73E+02	6.69E-04	8.16E-04	3.53E-04
3.73E+02	5.55E-04	7.74E-04	3.54E-04
3.73E+02	3.96E-04	6.59E-04	2.97E-04
3.73E+02	2.67E-04	5.06E-04	1.97E-04
3.73E+02	1.31E-04	3.67E-04	9.12E-05
3.73E+02	-1.68E-05	2.34E-04	-7.48E-05
3.73E+02	-1.30E-04	1.33E-04	-2.59E-04
3.73E+02	-1.95E-04	1.01E-04	-3.81E-04
3.73E+02	-1.97E-04	8.93E-05	-5.28E-04
3.73E+02	-2.10E-04	6.45E-05	-6.86E-04
3.73E+02	-2.50E-04	5.80E-05	-7.56E-04

3.73E+02	-2.41E-04	7.82E-05	-7.46E-04
3.73E+02	-2.39E-04	8.85E-05	-6.94E-04
3.73E+02	-2.89E-04	4.90E-05	-7.01E-04
3.73E+02	-3.23E-04	1.32E-05	-6.87E-04
3.73E+02	-3.17E-04	3.66E-05	-5.51E-04
3.73E+02	-2.86E-04	8.70E-05	-4.37E-04
3.73E+02	-2.61E-04	1.71E-04	-3.64E-04
3.73E+02	-2.53E-04	2.70E-04	-3.22E-04
3.73E+02	-1.93E-04	3.60E-04	-3.31E-04
3.73E+02	-1.27E-04	4.47E-04	-3.06E-04
3.73E+02	-1.15E-04	4.78E-04	-2.88E-04
3.73E+02	-1.02E-04	4.70E-04	-2.43E-04
3.73E+02	-9.17E-05	4.59E-04	-8.26E-05
3.73E+02	-8.93E-05	4.00E-04	7.42E-05
3.73E+02	-1.15E-04	3.19E-04	2.21E-04
3.73E+02	-1.84E-04	2.28E-04	3.70E-04
3.73E+02	-2.09E-04	1.41E-04	4.55E-04
3.73E+02	-2.15E-04	6.52E-05	4.65E-04
3.73E+02	-2.51E-04	-5.78E-05	3.53E-04
3.73E+02	-2.18E-04	-1.71E-04	2.19E-04
3.73E+02	-1.26E-04	-2.39E-04	1.54E-04
3.73E+02	-1.13E-05	-2.82E-04	1.03E-04
3.73E+02	1.44E-04	-2.69E-04	9.71E-05
3.73E+02	3.01E-04	-2.38E-04	1.19E-04
3.73E+02	4.95E-04	-1.66E-04	1.52E-04
3.73E+02	7.07E-04	-5.42E-05	1.88E-04
3.73E+02	8.54E-04	2.63E-05	1.48E-04
3.73E+02	9.51E-04	1.19E-04	8.01E-05
3.73E+02	1.01E-03	2.23E-04	4.43E-05
3.73E+02	1.01E-03	3.11E-04	-2.57E-05
3.73E+02	9.21E-04	4.10E-04	-7.21E-05
3.73E+02	7.27E-04	5.09E-04	-1.96E-05
3.73E+02	4.87E-04	6.25E-04	5.13E-05
3.73E+02	2.23E-04	7.58E-04	1.07E-04
3.73E+02	-8.75E-05	8.50E-04	1.13E-04
3.73E+02	-3.86E-04	8.95E-04	8.68E-05
3.73E+02	-6.27E-04	9.09E-04	1.36E-04
3.73E+02	-8.30E-04	8.49E-04	1.97E-04
3.73E+02	-1.00E-03	6.99E-04	2.19E-04
3.73E+02	-1.14E-03	4.90E-04	2.34E-04
3.73E+02	-1.18E-03	2.51E-04	2.23E-04
3.73E+02	-1.12E-03	3.57E-05	2.30E-04
3.73E+02	-1.06E-03	-1.62E-04	2.09E-04
3.73E+02	-9.51E-04	-3.26E-04	1.41E-04
3.73E+02	-8.02E-04	-4.00E-04	1.03E-04
3.73E+02	-6.49E-04	-4.29E-04	-3.81E-06
3.73E+02	-5.02E-04	-4.24E-04	-2.02E-04

3.73E+02	-4.06E-04	-3.78E-04	-3.69E-04
3.73E+02	-3.03E-04	-2.78E-04	-4.68E-04
3.73E+02	-1.91E-04	-1.20E-04	-4.77E-04
3.73E+02	-1.33E-04	2.14E-05	-4.60E-04
3.73E+02	-8.83E-05	1.40E-04	-4.48E-04
3.73E+02	-5.40E-05	2.78E-04	-3.46E-04
3.73E+02	-3.28E-05	4.17E-04	-2.15E-04
3.73E+02	-5.47E-05	5.46E-04	-1.12E-04
3.73E+02	-1.52E-04	6.61E-04	-1.54E-05
3.73E+02	-2.39E-04	7.62E-04	6.60E-05
3.73E+02	-3.28E-04	8.68E-04	1.93E-04
3.73E+02	-4.64E-04	9.37E-04	2.95E-04
3.73E+02	-5.72E-04	9.50E-04	3.56E-04
3.73E+02	-6.15E-04	9.41E-04	4.97E-04
3.73E+02	-5.82E-04	8.89E-04	5.81E-04
3.73E+02	-5.02E-04	7.69E-04	5.30E-04
3.73E+02	-4.11E-04	6.28E-04	4.55E-04
3.73E+02	-2.58E-04	5.09E-04	3.65E-04
3.73E+02	-6.47E-05	4.12E-04	2.57E-04
3.73E+02	9.80E-05	3.22E-04	9.63E-05
3.73E+02	2.52E-04	2.47E-04	-8.91E-05
3.73E+02	4.18E-04	2.06E-04	-1.81E-04
3.73E+02	5.65E-04	1.80E-04	-2.30E-04
3.73E+02	6.78E-04	1.53E-04	-2.64E-04
3.73E+02	7.17E-04	1.22E-04	-2.41E-04
3.73E+02	7.15E-04	9.78E-05	-2.08E-04
3.73E+02	7.02E-04	9.80E-05	-1.41E-04
3.73E+02	6.03E-04	9.40E-05	-7.21E-05
3.73E+02	4.65E-04	7.61E-05	-7.08E-05
3.73E+02	3.42E-04	7.27E-05	-3.30E-05
3.73E+02	2.27E-04	6.69E-05	4.22E-05
3.73E+02	1.46E-04	5.32E-05	9.08E-05
3.73E+02	8.70E-05	4.92E-05	2.00E-04
3.73E+02	7.44E-05	3.70E-05	3.24E-04
3.73E+02	1.21E-04	2.94E-05	4.14E-04
3.73E+02	1.72E-04	8.58E-06	4.23E-04
3.73E+02	2.34E-04	-5.40E-05	2.72E-04
3.73E+02	3.23E-04	-1.01E-04	9.02E-05
3.73E+02	4.15E-04	-1.33E-04	-1.25E-04
3.73E+02	4.74E-04	-1.74E-04	-3.80E-04
3.73E+02	4.56E-04	-2.05E-04	-5.47E-04
3.73E+02	4.06E-04	-2.33E-04	-6.42E-04
3.73E+02	3.51E-04	-2.30E-04	-6.58E-04
3.73E+02	2.43E-04	-2.12E-04	-6.27E-04
3.73E+02	1.01E-04	-1.98E-04	-5.77E-04
3.73E+02	-3.03E-05	-1.36E-04	-4.28E-04
3.73E+02	-1.31E-04	-5.95E-05	-2.88E-04

3.73E+02	-2.06E-04	5.15E-06	-2.13E-04
3.73E+02	-3.05E-04	8.72E-05	-9.65E-05
3.73E+02	-3.78E-04	1.67E-04	5.34E-05
3.73E+02	-3.83E-04	2.41E-04	2.29E-04
3.73E+02	-3.97E-04	2.56E-04	3.50E-04
3.73E+02	-3.96E-04	1.65E-04	3.62E-04
3.73E+02	-3.62E-04	1.98E-05	3.65E-04
3.73E+02	-3.12E-04	-1.40E-04	3.45E-04
3.73E+02	-2.28E-04	-2.86E-04	3.14E-04
3.73E+02	-1.98E-04	-4.05E-04	3.18E-04
3.73E+02	-1.69E-04	-4.73E-04	3.16E-04
3.73E+02	-9.16E-05	-4.72E-04	3.32E-04
3.73E+02	-7.31E-05	-4.52E-04	3.13E-04
3.73E+02	-7.59E-05	-4.18E-04	2.16E-04
3.73E+02	-7.36E-05	-3.35E-04	1.44E-04
3.73E+02	-7.02E-05	-2.24E-04	8.18E-05
3.73E+02	-1.93E-05	-1.04E-04	-3.81E-06
3.73E+02	-6.68E-06	2.19E-05	-3.89E-05
3.73E+02	-1.54E-05	1.58E-04	-3.53E-05
3.73E+02	3.05E-05	3.35E-04	-6.10E-06
3.73E+02	3.95E-05	4.97E-04	8.58E-06
3.73E+02	7.63E-07	5.93E-04	-4.98E-05
3.73E+02	-3.32E-05	6.67E-04	-7.78E-05
3.73E+02	-5.63E-05	7.03E-04	-6.62E-05
3.73E+02	-1.01E-04	6.88E-04	-6.64E-05
3.73E+02	-2.05E-04	6.52E-04	-8.96E-06
3.73E+02	-3.20E-04	5.65E-04	7.51E-05
3.73E+02	-4.25E-04	4.44E-04	1.70E-04
3.73E+02	-5.59E-04	3.05E-04	2.57E-04
3.73E+02	-7.08E-04	1.15E-04	2.49E-04
3.73E+02	-8.11E-04	-6.24E-05	2.53E-04
3.73E+02	-8.63E-04	-2.06E-04	2.94E-04
3.73E+02	-8.86E-04	-3.44E-04	2.49E-04
3.73E+02	-8.96E-04	-4.54E-04	1.66E-04
3.73E+02	-8.69E-04	-5.31E-04	9.23E-05
3.73E+02	-7.76E-04	-5.39E-04	4.67E-05
3.73E+02	-6.80E-04	-5.21E-04	4.39E-06
3.73E+02	-5.90E-04	-5.32E-04	-1.09E-04
3.73E+02	-4.62E-04	-5.22E-04	-2.03E-04
3.73E+02	-3.24E-04	-5.06E-04	-2.71E-04
3.73E+02	-1.89E-04	-4.87E-04	-3.68E-04
3.73E+02	-1.12E-04	-4.63E-04	-3.98E-04
3.73E+02	-9.10E-05	-4.40E-04	-3.67E-04
3.73E+02	-5.40E-05	-3.63E-04	-2.78E-04
3.73E+02	-5.95E-05	-2.55E-04	-1.23E-04
3.73E+02	-1.08E-04	-1.57E-04	8.01E-06
3.73E+02	-1.41E-04	-1.54E-05	1.55E-04

3.73E+02	-1.76E-04	1.43E-04	3.15E-04
3.73E+02	-2.05E-04	2.66E-04	3.76E-04
3.73E+02	-2.83E-04	3.51E-04	3.85E-04
3.73E+02	-4.05E-04	4.05E-04	3.84E-04
3.73E+02	-4.92E-04	4.46E-04	3.80E-04
3.73E+02	-5.93E-04	4.57E-04	3.93E-04
3.73E+02	-7.31E-04	3.99E-04	3.45E-04
3.73E+02	-8.59E-04	3.08E-04	2.90E-04
3.73E+02	-9.73E-04	2.19E-04	2.59E-04
3.73E+02	-1.07E-03	1.34E-04	1.56E-04
3.73E+02	-1.17E-03	7.23E-05	1.77E-05
3.73E+02	-1.26E-03	2.21E-05	-1.63E-04
3.73E+02	-1.27E-03	-1.14E-05	-3.52E-04
3.73E+02	-1.23E-03	-2.46E-05	-4.64E-04
3.73E+02	-1.19E-03	-8.51E-05	-6.04E-04
3.73E+02	-1.10E-03	-1.69E-04	-7.33E-04
3.73E+02	-9.56E-04	-2.48E-04	-7.81E-04
3.73E+02	-7.77E-04	-3.73E-04	-8.43E-04
3.73E+02	-6.09E-04	-5.17E-04	-8.36E-04
3.73E+02	-4.60E-04	-6.36E-04	-7.01E-04
3.73E+02	-2.97E-04	-6.93E-04	-4.85E-04
3.74E+02	-1.66E-04	-6.73E-04	-2.18E-04
3.74E+02	-7.29E-05	-6.20E-04	-1.64E-05
3.74E+02	2.98E-05	-5.09E-04	2.00E-04
3.74E+02	1.47E-04	-3.38E-04	4.92E-04
3.74E+02	2.78E-04	-1.49E-04	7.05E-04
3.74E+02	3.73E-04	3.19E-05	8.44E-04
3.74E+02	4.19E-04	1.65E-04	8.87E-04
3.74E+02	4.92E-04	2.66E-04	8.22E-04
3.74E+02	5.38E-04	3.39E-04	7.83E-04
3.74E+02	5.04E-04	3.29E-04	7.31E-04
3.74E+02	4.12E-04	2.76E-04	6.75E-04
3.74E+02	2.42E-04	2.21E-04	6.54E-04
3.74E+02	3.43E-05	1.12E-04	5.22E-04
3.74E+02	-2.15E-04	-2.29E-05	3.30E-04
3.74E+02	-5.04E-04	-1.63E-04	1.69E-04
3.74E+02	-7.29E-04	-2.96E-04	1.91E-05
3.74E+02	-8.92E-04	-3.92E-04	-1.02E-04
3.74E+02	-1.03E-03	-4.96E-04	-2.75E-04
3.74E+02	-1.06E-03	-5.78E-04	-4.61E-04
3.74E+02	-9.93E-04	-6.29E-04	-5.76E-04
3.74E+02	-8.93E-04	-6.95E-04	-6.90E-04
3.74E+02	-7.78E-04	-7.33E-04	-7.27E-04
3.74E+02	-6.59E-04	-7.47E-04	-6.43E-04
3.74E+02	-4.95E-04	-7.43E-04	-5.05E-04
3.74E+02	-3.21E-04	-6.93E-04	-3.35E-04
3.74E+02	-1.92E-04	-6.43E-04	-2.10E-04

3.74E+02	-6.75E-05	-5.70E-04	-9.04E-05
3.74E+02	5.68E-05	-4.54E-04	9.35E-05
3.74E+02	1.65E-04	-3.38E-04	2.32E-04
3.74E+02	2.33E-04	-2.22E-04	3.19E-04
3.74E+02	2.37E-04	-9.63E-05	4.06E-04
3.74E+02	2.28E-04	5.09E-05	4.65E-04
3.74E+02	1.97E-04	2.28E-04	4.96E-04
3.74E+02	1.03E-04	3.82E-04	4.53E-04
3.74E+02	6.29E-06	5.25E-04	3.83E-04
3.74E+02	-6.83E-05	6.90E-04	3.93E-04
3.74E+02	-1.44E-04	8.35E-04	4.07E-04
3.74E+02	-2.10E-04	9.49E-04	3.93E-04
3.74E+02	-2.83E-04	1.04E-03	3.94E-04
3.74E+02	-3.20E-04	1.09E-03	3.90E-04
3.74E+02	-3.16E-04	1.12E-03	3.89E-04
3.74E+02	-3.52E-04	1.09E-03	2.95E-04
3.74E+02	-4.00E-04	1.00E-03	1.03E-04
3.74E+02	-4.23E-04	9.29E-04	-7.34E-05
3.74E+02	-4.06E-04	8.48E-04	-2.88E-04
3.74E+02	-3.70E-04	7.34E-04	-4.99E-04
3.74E+02	-3.60E-04	6.07E-04	-6.08E-04
3.74E+02	-2.95E-04	4.88E-04	-6.42E-04
3.74E+02	-1.84E-04	3.83E-04	-5.93E-04
3.74E+02	-1.01E-04	2.42E-04	-5.68E-04
3.74E+02	1.47E-05	7.84E-05	-5.92E-04
3.74E+02	1.61E-04	-4.20E-05	-5.37E-04
3.74E+02	2.90E-04	-1.36E-04	-4.70E-04
3.74E+02	3.59E-04	-2.02E-04	-4.09E-04
3.74E+02	3.37E-04	-2.45E-04	-3.03E-04
3.74E+02	2.81E-04	-2.91E-04	-2.15E-04
3.74E+02	1.92E-04	-3.12E-04	-1.20E-04
3.74E+02	3.20E-05	-3.38E-04	-6.92E-05
3.74E+02	-1.44E-04	-3.68E-04	-7.21E-05
3.74E+02	-2.93E-04	-3.52E-04	3.81E-07
3.74E+02	-3.77E-04	-3.33E-04	9.54E-06
3.74E+02	-4.04E-04	-3.25E-04	-8.07E-05
3.74E+02	-4.15E-04	-3.05E-04	-1.32E-04
3.74E+02	-3.42E-04	-2.71E-04	-1.93E-04
3.74E+02	-1.90E-04	-2.13E-04	-2.29E-04
3.74E+02	-4.46E-05	-1.92E-04	-2.89E-04
3.74E+02	1.04E-04	-2.16E-04	-4.02E-04
3.74E+02	2.39E-04	-2.56E-04	-4.40E-04
3.74E+02	3.59E-04	-3.14E-04	-4.42E-04
3.74E+02	4.38E-04	-3.73E-04	-4.01E-04
3.74E+02	3.83E-04	-4.41E-04	-3.03E-04
3.74E+02	2.81E-04	-5.01E-04	-1.91E-04
3.74E+02	1.71E-04	-5.31E-04	-2.73E-05

3.74E+02	-1.96E-05	-5.66E-04	1.22E-04
3.74E+02	-2.30E-04	-6.21E-04	2.12E-04
3.74E+02	-4.04E-04	-6.35E-04	3.34E-04
3.74E+02	-5.23E-04	-6.10E-04	4.32E-04
3.74E+02	-5.89E-04	-5.73E-04	4.44E-04
3.74E+02	-6.44E-04	-5.03E-04	4.73E-04
3.74E+02	-6.42E-04	-3.95E-04	5.27E-04
3.74E+02	-5.67E-04	-2.35E-04	5.95E-04
3.74E+02	-5.01E-04	-7.95E-05	6.20E-04
3.74E+02	-4.09E-04	3.64E-05	5.41E-04
3.74E+02	-2.47E-04	1.85E-04	4.84E-04
3.74E+02	-5.42E-05	3.53E-04	4.27E-04
3.74E+02	1.84E-04	5.12E-04	3.19E-04
3.74E+02	3.87E-04	6.33E-04	2.06E-04
3.74E+02	5.48E-04	7.04E-04	5.63E-05
3.74E+02	7.24E-04	7.63E-04	-7.08E-05
3.74E+02	8.01E-04	7.67E-04	-1.62E-04
3.74E+02	7.98E-04	7.12E-04	-2.45E-04
3.74E+02	7.64E-04	6.59E-04	-2.51E-04
3.74E+02	6.79E-04	5.97E-04	-2.70E-04
3.74E+02	5.76E-04	5.24E-04	-3.73E-04
3.74E+02	4.12E-04	4.59E-04	-4.55E-04
3.74E+02	2.31E-04	4.08E-04	-5.00E-04
3.74E+02	1.04E-04	3.89E-04	-5.28E-04
3.74E+02	-3.72E-05	3.60E-04	-5.90E-04
3.74E+02	-1.60E-04	2.87E-04	-7.12E-04
3.74E+02	-2.08E-04	2.32E-04	-7.53E-04
3.74E+02	-2.09E-04	2.02E-04	-7.10E-04
3.74E+02	-1.74E-04	1.88E-04	-6.55E-04
3.74E+02	-1.27E-04	1.98E-04	-5.75E-04
3.74E+02	-3.59E-05	2.10E-04	-4.92E-04
3.74E+02	1.16E-04	2.41E-04	-3.56E-04
3.74E+02	2.48E-04	2.33E-04	-2.15E-04
3.74E+02	3.41E-04	1.59E-04	-1.65E-04
3.74E+02	4.13E-04	7.59E-05	-9.98E-05
3.74E+02	4.70E-04	-1.20E-05	-4.96E-05
3.74E+02	5.14E-04	-9.99E-05	-7.76E-05
3.74E+02	5.08E-04	-1.65E-04	-9.23E-05
3.74E+02	5.06E-04	-1.88E-04	-8.77E-05
3.74E+02	5.42E-04	-1.66E-04	-5.26E-05
3.74E+02	5.23E-04	-1.60E-04	-2.17E-05
3.74E+02	4.52E-04	-1.92E-04	-6.68E-05
3.74E+02	3.98E-04	-2.17E-04	-9.82E-05
3.74E+02	3.44E-04	-2.34E-04	-1.11E-04
3.74E+02	2.62E-04	-2.33E-04	-1.51E-04
3.74E+02	1.38E-04	-2.06E-04	-1.67E-04
3.74E+02	1.37E-05	-1.75E-04	-1.74E-04

3.74E+02	-4.92E-05	-1.08E-04	-1.73E-04
3.74E+02	-1.41E-04	-4.06E-05	-1.69E-04
3.74E+02	-2.59E-04	-1.09E-05	-1.97E-04
3.74E+02	-3.22E-04	2.98E-05	-2.00E-04
3.74E+02	-3.64E-04	6.54E-05	-2.33E-04
3.74E+02	-3.53E-04	7.53E-05	-3.67E-04
3.74E+02	-3.12E-04	8.18E-05	-5.00E-04
3.74E+02	-2.46E-04	1.09E-04	-5.78E-04
3.74E+02	-9.88E-05	1.87E-04	-5.69E-04
3.74E+02	4.02E-05	2.70E-04	-5.31E-04
3.74E+02	1.51E-04	2.73E-04	-5.58E-04
3.74E+02	2.50E-04	2.28E-04	-5.24E-04
3.74E+02	3.12E-04	1.48E-04	-4.50E-04
3.74E+02	3.37E-04	1.66E-05	-4.52E-04
3.74E+02	2.76E-04	-1.31E-04	-4.44E-04
3.74E+02	1.68E-04	-2.76E-04	-4.10E-04
3.74E+02	8.20E-05	-3.47E-04	-3.44E-04
3.74E+02	-2.12E-05	-3.34E-04	-2.45E-04
3.74E+02	-1.28E-04	-2.97E-04	-1.84E-04
3.74E+02	-2.16E-04	-2.25E-04	-1.14E-04
3.74E+02	-2.54E-04	-1.26E-04	-4.18E-05
3.74E+02	-2.18E-04	-4.90E-05	-3.11E-05
3.74E+02	-2.00E-04	3.05E-06	1.34E-05
3.74E+02	-1.90E-04	3.51E-05	1.17E-04
3.74E+02	-1.14E-04	6.28E-05	2.39E-04
3.74E+02	-4.08E-05	7.48E-05	3.72E-04
3.74E+02	-9.54E-06	1.98E-05	4.48E-04
3.74E+02	2.54E-05	-4.98E-05	5.11E-04
3.74E+02	7.72E-05	-9.35E-05	5.73E-04
3.74E+02	1.35E-04	-1.29E-04	5.66E-04
3.74E+02	1.67E-04	-1.49E-04	5.13E-04
3.74E+02	1.87E-04	-1.82E-04	3.97E-04
3.74E+02	2.42E-04	-2.06E-04	2.67E-04
3.74E+02	2.74E-04	-2.10E-04	1.59E-04
3.74E+02	2.57E-04	-2.60E-04	-3.78E-05
3.74E+02	2.31E-04	-3.20E-04	-2.10E-04
3.74E+02	1.93E-04	-3.63E-04	-2.59E-04
3.74E+02	1.61E-04	-4.21E-04	-3.36E-04
3.74E+02	9.94E-05	-4.62E-04	-4.23E-04
3.74E+02	-4.39E-06	-4.85E-04	-4.69E-04
3.74E+02	-5.36E-05	-4.62E-04	-4.67E-04
3.74E+02	-7.59E-05	-3.91E-04	-3.97E-04
3.74E+02	-1.15E-04	-3.51E-04	-3.92E-04
3.74E+02	-9.21E-05	-3.21E-04	-3.89E-04
3.74E+02	-2.67E-06	-2.84E-04	-2.82E-04
3.74E+02	1.32E-04	-2.62E-04	-1.83E-04
3.74E+02	2.73E-04	-2.57E-04	-1.03E-04

3.74E+02	3.93E-04	-2.74E-04	-4.90E-05
3.74E+02	5.46E-04	-2.86E-04	-3.72E-05
3.74E+02	6.71E-04	-2.86E-04	-9.92E-06
3.74E+02	7.07E-04	-2.92E-04	4.39E-06
3.74E+02	7.06E-04	-2.64E-04	5.86E-05
3.74E+02	6.63E-04	-1.94E-04	1.84E-04
3.74E+02	5.73E-04	-1.18E-04	2.39E-04
3.74E+02	4.23E-04	-6.12E-05	2.24E-04
3.74E+02	2.17E-04	-2.46E-05	2.03E-04
3.74E+02	6.47E-05	2.82E-05	2.20E-04
3.74E+02	-8.24E-05	6.79E-05	2.63E-04
3.74E+02	-2.44E-04	4.43E-05	2.26E-04
3.74E+02	-3.17E-04	2.67E-06	2.09E-04
3.74E+02	-3.16E-04	-1.91E-05	2.64E-04
3.74E+02	-2.46E-04	-3.74E-05	2.62E-04
3.74E+02	-1.44E-04	-4.77E-05	2.57E-04
3.74E+02	-4.12E-05	-4.23E-05	2.79E-04
3.74E+02	1.08E-04	-2.00E-05	2.73E-04
3.74E+02	2.56E-04	2.14E-05	2.51E-04
3.74E+02	3.43E-04	3.09E-05	1.80E-04
3.74E+02	4.00E-04	1.32E-05	1.40E-04
3.74E+02	4.30E-04	-1.05E-05	1.62E-04
3.74E+02	4.22E-04	-8.74E-05	1.20E-04
3.74E+02	3.71E-04	-1.88E-04	7.00E-05
3.74E+02	2.61E-04	-2.96E-04	6.41E-05
3.74E+02	1.77E-04	-4.05E-04	6.69E-05
3.74E+02	1.19E-04	-4.81E-04	1.05E-04
3.74E+02	3.99E-05	-5.69E-04	9.90E-05
3.74E+02	1.28E-05	-6.57E-04	5.26E-05
3.74E+02	3.03E-05	-6.95E-04	5.89E-05
3.74E+02	8.07E-05	-7.12E-04	3.22E-05
3.74E+02	1.58E-04	-6.99E-04	-4.08E-05
3.74E+02	2.10E-04	-6.55E-04	-9.94E-05
3.75E+02	2.91E-04	-5.97E-04	-1.27E-04
3.75E+02	3.84E-04	-5.20E-04	-7.38E-05
3.75E+02	4.00E-04	-4.72E-04	-4.20E-06
3.75E+02	3.79E-04	-4.50E-04	5.86E-05
3.75E+02	3.41E-04	-4.15E-04	1.93E-04
3.75E+02	2.74E-04	-3.89E-04	3.13E-04
3.75E+02	1.80E-04	-3.59E-04	3.81E-04
3.75E+02	2.92E-05	-2.94E-04	4.41E-04
3.75E+02	-9.77E-05	-1.75E-04	4.71E-04
3.75E+02	-1.84E-04	-2.46E-05	4.72E-04
3.75E+02	-2.97E-04	9.73E-05	3.88E-04
3.75E+02	-3.68E-04	1.88E-04	2.52E-04
3.75E+02	-3.73E-04	2.71E-04	1.74E-04
3.75E+02	-3.28E-04	3.32E-04	1.06E-04

3.75E+02	-2.64E-04	3.68E-04	3.30E-05
3.75E+02	-2.28E-04	3.89E-04	-2.84E-05
3.75E+02	-1.55E-04	4.14E-04	-9.00E-05
3.75E+02	-5.46E-05	4.55E-04	-9.44E-05
3.75E+02	-3.40E-05	4.63E-04	-8.72E-05
3.75E+02	-4.10E-05	4.24E-04	-9.92E-05
3.75E+02	-3.68E-05	3.85E-04	-6.39E-05
3.75E+02	-4.10E-05	3.40E-04	-5.74E-05
3.75E+02	-4.01E-05	2.86E-04	-9.21E-05
3.75E+02	-6.87E-05	2.48E-04	-9.75E-05
3.75E+02	-6.41E-05	2.63E-04	-8.51E-05
3.75E+02	-9.73E-06	3.56E-04	-5.05E-05
3.75E+02	8.20E-06	4.60E-04	-7.71E-05
3.75E+02	4.67E-05	5.48E-04	-1.58E-04
3.75E+02	1.17E-04	6.43E-04	-1.62E-04
3.75E+02	2.08E-04	7.34E-04	-1.05E-04
3.75E+02	3.08E-04	8.28E-04	-7.06E-06
3.75E+02	3.28E-04	8.80E-04	1.01E-04
3.75E+02	3.34E-04	8.91E-04	1.58E-04
3.75E+02	3.56E-04	8.78E-04	1.99E-04
3.75E+02	3.34E-04	7.78E-04	1.78E-04
3.75E+02	3.15E-04	6.21E-04	1.08E-04
3.75E+02	3.09E-04	4.65E-04	1.13E-04
3.75E+02	3.36E-04	3.05E-04	8.49E-05
3.75E+02	4.06E-04	1.50E-04	-2.10E-05
3.75E+02	4.53E-04	2.67E-06	-8.95E-05
3.75E+02	5.33E-04	-1.36E-04	-1.36E-04
3.75E+02	6.50E-04	-2.53E-04	-1.40E-04
3.75E+02	7.08E-04	-3.81E-04	-1.46E-04
3.75E+02	7.38E-04	-5.37E-04	-1.66E-04
3.75E+02	7.54E-04	-6.88E-04	-7.10E-05
3.75E+02	7.34E-04	-8.17E-04	7.86E-05
3.75E+02	6.66E-04	-9.38E-04	1.96E-04
3.75E+02	5.30E-04	-1.04E-03	3.09E-04
3.75E+02	4.08E-04	-1.08E-03	4.50E-04
3.75E+02	3.10E-04	-1.03E-03	6.16E-04
3.75E+02	1.74E-04	-9.16E-04	7.15E-04
3.75E+02	4.50E-05	-7.27E-04	7.32E-04
3.75E+02	-5.05E-05	-4.43E-04	7.79E-04
3.75E+02	-1.22E-04	-1.22E-04	8.10E-04
3.75E+02	-1.79E-04	1.85E-04	7.72E-04
3.75E+02	-2.69E-04	4.57E-04	7.55E-04
3.75E+02	-3.53E-04	6.93E-04	7.66E-04
3.75E+02	-3.90E-04	8.99E-04	7.96E-04
3.75E+02	-4.45E-04	1.03E-03	7.84E-04
3.75E+02	-4.84E-04	1.08E-03	6.89E-04
3.75E+02	-4.68E-04	1.11E-03	6.24E-04

3.75E+02	-4.31E-04	1.12E-03	5.61E-04
3.75E+02	-3.69E-04	1.09E-03	4.44E-04
3.75E+02	-3.27E-04	1.03E-03	3.11E-04
3.75E+02	-2.94E-04	9.42E-04	1.28E-04
3.75E+02	-2.20E-04	8.27E-04	-5.26E-05
3.75E+02	-1.77E-04	6.67E-04	-2.12E-04
3.75E+02	-1.54E-04	4.45E-04	-3.75E-04
3.75E+02	-1.03E-04	2.13E-04	-4.13E-04
3.75E+02	-2.23E-05	-1.20E-05	-3.39E-04
3.75E+02	7.02E-05	-2.35E-04	-2.60E-04
3.75E+02	1.21E-04	-4.21E-04	-1.25E-04
3.75E+02	1.82E-04	-5.38E-04	3.87E-05
3.75E+02	2.78E-04	-5.58E-04	1.96E-04
3.75E+02	3.47E-04	-5.33E-04	3.22E-04
3.75E+02	4.08E-04	-4.88E-04	3.53E-04
3.75E+02	4.87E-04	-3.81E-04	4.03E-04
3.75E+02	5.60E-04	-2.45E-04	5.11E-04
3.75E+02	5.91E-04	-1.08E-04	5.70E-04
3.75E+02	5.37E-04	-4.39E-06	6.08E-04
3.75E+02	4.32E-04	4.29E-05	6.23E-04
3.75E+02	3.33E-04	6.75E-05	5.99E-04
3.75E+02	2.03E-04	5.11E-05	5.44E-04
3.75E+02	6.48E-05	7.25E-06	4.24E-04
3.75E+02	-2.52E-05	1.34E-06	3.24E-04
3.75E+02	-7.10E-05	3.47E-05	2.31E-04
3.75E+02	-5.89E-05	7.90E-05	6.58E-05
3.75E+02	-2.35E-05	1.33E-04	-5.89E-05
3.75E+02	4.79E-05	2.10E-04	-1.19E-04
3.75E+02	1.78E-04	3.15E-04	-1.51E-04
3.75E+02	2.84E-04	4.18E-04	-1.87E-04
3.75E+02	3.52E-04	4.63E-04	-2.83E-04
3.75E+02	4.40E-04	5.07E-04	-3.05E-04
3.75E+02	5.43E-04	5.65E-04	-2.48E-04
3.75E+02	6.21E-04	5.82E-04	-2.22E-04
3.75E+02	6.33E-04	5.99E-04	-1.53E-04
3.75E+02	6.19E-04	6.04E-04	-3.70E-05
3.75E+02	6.40E-04	6.14E-04	1.19E-04
3.75E+02	6.20E-04	6.37E-04	2.90E-04
3.75E+02	5.44E-04	6.11E-04	3.63E-04
3.75E+02	4.51E-04	5.94E-04	4.11E-04
3.75E+02	3.25E-04	5.58E-04	4.51E-04
3.75E+02	1.66E-04	4.54E-04	4.10E-04
3.75E+02	-6.31E-05	3.20E-04	3.91E-04
3.75E+02	-3.24E-04	1.63E-04	4.24E-04
3.75E+02	-5.29E-04	1.74E-05	4.66E-04
3.75E+02	-7.14E-04	-1.23E-04	5.01E-04
3.75E+02	-8.70E-04	-2.69E-04	4.66E-04

3.75E+02	-9.26E-04	-3.58E-04	4.46E-04
3.75E+02	-9.07E-04	-3.90E-04	4.51E-04
3.75E+02	-8.18E-04	-3.82E-04	3.99E-04
3.75E+02	-7.01E-04	-3.51E-04	3.79E-04
3.75E+02	-5.89E-04	-3.23E-04	3.72E-04
3.75E+02	-3.97E-04	-2.54E-04	3.67E-04
3.75E+02	-2.15E-04	-1.69E-04	3.89E-04
3.75E+02	-8.64E-05	-1.13E-04	3.50E-04
3.75E+02	6.81E-05	-2.29E-05	3.53E-04
3.75E+02	1.92E-04	6.50E-05	3.99E-04
3.75E+02	3.09E-04	1.03E-04	3.56E-04
3.75E+02	3.88E-04	1.17E-04	3.25E-04
3.75E+02	3.82E-04	9.00E-05	3.20E-04
3.75E+02	3.83E-04	6.10E-05	2.90E-04
3.75E+02	3.41E-04	4.16E-05	2.39E-04
3.75E+02	2.29E-04	-4.58E-06	8.87E-05
3.75E+02	1.24E-04	-4.43E-05	-8.75E-05
3.75E+02	2.54E-05	-6.83E-05	-1.83E-04
3.75E+02	-6.31E-05	-9.42E-05	-2.42E-04
3.75E+02	-1.76E-04	-1.12E-04	-2.71E-04
3.75E+02	-3.00E-04	-1.26E-04	-2.88E-04
3.75E+02	-3.56E-04	-1.11E-04	-2.90E-04
3.75E+02	-4.03E-04	-6.92E-05	-2.49E-04
3.75E+02	-4.78E-04	-3.64E-05	-2.15E-04
3.75E+02	-5.06E-04	2.69E-05	-1.15E-04
3.75E+02	-4.71E-04	1.07E-04	7.84E-05
3.75E+02	-3.89E-04	1.48E-04	2.28E-04
3.75E+02	-2.85E-04	1.47E-04	3.37E-04
3.75E+02	-1.83E-04	9.06E-05	4.11E-04
3.75E+02	-2.04E-05	3.28E-05	4.56E-04
3.75E+02	1.63E-04	1.14E-06	4.73E-04
3.75E+02	2.72E-04	-6.79E-05	3.52E-04
3.75E+02	3.67E-04	-1.26E-04	1.75E-04
3.75E+02	4.46E-04	-1.31E-04	3.83E-05
3.75E+02	4.45E-04	-1.35E-04	-1.20E-04
3.75E+02	3.49E-04	-1.62E-04	-2.50E-04
3.75E+02	1.68E-04	-2.23E-04	-3.29E-04
3.75E+02	-2.61E-05	-2.90E-04	-3.69E-04
3.75E+02	-2.38E-04	-3.50E-04	-3.48E-04
3.75E+02	-4.77E-04	-4.30E-04	-3.34E-04
3.75E+02	-6.55E-04	-4.74E-04	-2.83E-04
3.75E+02	-7.49E-04	-4.52E-04	-1.71E-04
3.75E+02	-7.45E-04	-4.07E-04	-1.23E-04
3.75E+02	-6.72E-04	-3.45E-04	-1.08E-04
3.75E+02	-5.83E-04	-2.75E-04	-4.63E-05
3.75E+02	-4.08E-04	-1.59E-04	8.41E-05
3.75E+02	-2.26E-04	-1.53E-06	2.36E-04

3.75E+02	-1.12E-04	1.24E-04	2.81E-04
3.75E+02	7.63E-06	2.65E-04	2.86E-04
3.75E+02	9.19E-05	4.28E-04	3.15E-04
3.75E+02	1.46E-04	5.54E-04	3.02E-04
3.75E+02	1.60E-04	6.53E-04	2.63E-04
3.75E+02	9.50E-05	7.08E-04	1.73E-04
3.75E+02	5.44E-05	7.21E-04	1.53E-06
3.75E+02	2.25E-05	7.01E-04	-1.69E-04
3.75E+02	-4.41E-05	6.05E-04	-3.65E-04
3.75E+02	-8.49E-05	4.52E-04	-5.58E-04
3.75E+02	-1.11E-04	2.69E-04	-6.47E-04
3.75E+02	-1.35E-04	4.14E-05	-7.06E-04
3.75E+02	-1.88E-04	-2.12E-04	-7.21E-04
3.75E+02	-3.07E-04	-4.57E-04	-6.45E-04
3.75E+02	-4.32E-04	-6.40E-04	-5.56E-04
3.75E+02	-5.45E-04	-7.53E-04	-4.44E-04
3.75E+02	-6.73E-04	-8.38E-04	-3.37E-04
3.75E+02	-7.55E-04	-8.64E-04	-2.29E-04
3.75E+02	-7.31E-04	-8.11E-04	-4.48E-05
3.75E+02	-6.06E-04	-7.12E-04	1.40E-04
3.75E+02	-4.30E-04	-5.82E-04	2.61E-04
3.75E+02	-2.49E-04	-4.43E-04	2.80E-04
3.75E+02	-1.20E-05	-2.95E-04	1.75E-04
3.75E+02	2.50E-04	-1.23E-04	5.91E-05
3.75E+02	4.42E-04	4.12E-05	-5.32E-05
3.75E+02	5.98E-04	2.15E-04	-1.77E-04
3.75E+02	7.37E-04	4.05E-04	-2.18E-04
3.75E+02	8.50E-04	5.55E-04	-2.41E-04
3.75E+02	8.96E-04	6.52E-04	-2.82E-04
3.75E+02	8.49E-04	7.13E-04	-2.61E-04
3.75E+02	7.96E-04	7.55E-04	-2.22E-04
3.75E+02	7.40E-04	7.92E-04	-1.57E-04
3.75E+02	6.43E-04	7.76E-04	-1.30E-04
3.75E+02	5.42E-04	6.81E-04	-1.84E-04
3.75E+02	4.71E-04	5.86E-04	-1.78E-04
3.75E+02	4.21E-04	4.88E-04	-1.99E-04
3.75E+02	3.27E-04	3.40E-04	-3.08E-04
3.75E+02	1.93E-04	1.77E-04	-3.93E-04
3.75E+02	8.93E-05	2.94E-05	-4.55E-04
3.75E+02	1.39E-05	-8.96E-05	-4.84E-04
3.75E+02	-7.65E-05	-2.14E-04	-5.34E-04
3.75E+02	-1.67E-04	-3.46E-04	-5.95E-04
3.75E+02	-2.59E-04	-4.37E-04	-5.78E-04
3.75E+02	-3.53E-04	-5.11E-04	-6.30E-04
3.75E+02	-4.48E-04	-5.72E-04	-7.65E-04
3.76E+02	-5.88E-04	-6.05E-04	-8.42E-04
3.76E+02	-7.08E-04	-6.18E-04	-8.81E-04

3.76E+02	-7.82E-04	-5.92E-04	-8.83E-04
3.76E+02	-8.89E-04	-5.74E-04	-8.96E-04
3.76E+02	-9.68E-04	-5.81E-04	-9.21E-04
3.76E+02	-9.63E-04	-5.42E-04	-8.14E-04
3.76E+02	-9.24E-04	-4.96E-04	-6.75E-04
3.76E+02	-8.50E-04	-4.55E-04	-5.64E-04
3.76E+02	-7.57E-04	-3.85E-04	-3.96E-04
3.76E+02	-6.18E-04	-3.21E-04	-2.66E-04
3.76E+02	-4.02E-04	-2.65E-04	-1.37E-04
3.76E+02	-1.94E-04	-2.41E-04	2.12E-05
3.76E+02	1.51E-05	-2.60E-04	1.35E-04
3.76E+02	2.28E-04	-2.94E-04	2.72E-04
3.76E+02	4.20E-04	-3.56E-04	3.47E-04
3.76E+02	5.93E-04	-4.37E-04	3.09E-04
3.76E+02	6.90E-04	-5.10E-04	2.75E-04
3.76E+02	7.62E-04	-5.47E-04	2.32E-04
3.76E+02	8.42E-04	-5.25E-04	2.04E-04
3.76E+02	8.45E-04	-4.85E-04	1.46E-04
3.76E+02	7.91E-04	-4.59E-04	-1.72E-05
3.76E+02	7.33E-04	-4.03E-04	-1.34E-04
3.76E+02	6.69E-04	-3.34E-04	-2.08E-04
3.76E+02	5.90E-04	-2.92E-04	-2.85E-04
3.76E+02	4.66E-04	-2.72E-04	-3.02E-04
3.76E+02	3.28E-04	-2.75E-04	-3.20E-04
3.76E+02	2.09E-04	-2.73E-04	-3.05E-04
3.76E+02	3.26E-05	-2.67E-04	-2.60E-04
3.76E+02	-1.84E-04	-2.86E-04	-2.69E-04
3.76E+02	-3.77E-04	-2.79E-04	-2.48E-04
3.76E+02	-5.31E-04	-2.59E-04	-2.33E-04
3.76E+02	-6.36E-04	-2.49E-04	-2.93E-04
3.76E+02	-7.46E-04	-2.17E-04	-3.49E-04
3.76E+02	-8.00E-04	-1.71E-04	-3.67E-04
3.76E+02	-7.55E-04	-9.52E-05	-3.35E-04
3.76E+02	-7.09E-04	-3.24E-05	-3.14E-04
3.76E+02	-6.33E-04	5.15E-06	-3.82E-04
3.76E+02	-4.77E-04	8.22E-05	-4.38E-04
3.76E+02	-2.61E-04	1.67E-04	-4.81E-04
3.76E+02	-2.61E-05	2.42E-04	-5.70E-04
3.76E+02	1.68E-04	3.00E-04	-6.21E-04
3.76E+02	3.52E-04	3.16E-04	-6.38E-04
3.76E+02	5.37E-04	3.10E-04	-6.00E-04
3.76E+02	6.42E-04	2.66E-04	-5.26E-04
3.76E+02	6.80E-04	1.69E-04	-5.11E-04
3.76E+02	6.90E-04	6.39E-05	-4.72E-04
3.76E+02	6.77E-04	-3.70E-05	-4.18E-04
3.76E+02	6.72E-04	-1.64E-04	-4.25E-04
3.76E+02	6.43E-04	-2.87E-04	-4.08E-04

3.76E+02	6.03E-04	-3.78E-04	-3.57E-04
3.76E+02	5.94E-04	-4.31E-04	-2.66E-04
3.76E+02	5.53E-04	-4.51E-04	-1.42E-04
3.76E+02	4.83E-04	-5.09E-04	-7.67E-05
3.76E+02	4.32E-04	-5.58E-04	2.50E-05
3.76E+02	4.10E-04	-5.57E-04	1.80E-04
3.76E+02	3.93E-04	-5.68E-04	2.47E-04
3.76E+02	3.35E-04	-5.53E-04	2.65E-04
3.76E+02	2.97E-04	-5.09E-04	2.32E-04
3.76E+02	3.18E-04	-4.54E-04	1.54E-04
3.76E+02	3.12E-04	-4.01E-04	6.50E-05
3.76E+02	2.97E-04	-3.95E-04	-7.67E-05
3.76E+02	3.06E-04	-3.79E-04	-1.69E-04
3.76E+02	3.38E-04	-3.31E-04	-2.63E-04
3.76E+02	4.06E-04	-2.87E-04	-4.38E-04
3.76E+02	4.34E-04	-2.21E-04	-5.30E-04
3.76E+02	4.37E-04	-1.30E-04	-5.41E-04
3.76E+02	4.79E-04	-5.34E-06	-5.20E-04
3.76E+02	4.82E-04	1.42E-04	-5.10E-04
3.76E+02	4.33E-04	2.51E-04	-5.78E-04
3.76E+02	3.91E-04	3.54E-04	-5.63E-04
3.76E+02	3.52E-04	4.66E-04	-4.45E-04
3.76E+02	3.29E-04	5.37E-04	-3.53E-04
3.76E+02	2.77E-04	5.83E-04	-2.71E-04
3.76E+02	2.23E-04	6.13E-04	-2.33E-04
3.76E+02	2.41E-04	6.26E-04	-2.12E-04
3.76E+02	2.44E-04	5.99E-04	-1.79E-04
3.76E+02	2.29E-04	5.12E-04	-2.10E-04
3.76E+02	2.28E-04	4.16E-04	-2.33E-04
3.76E+02	2.16E-04	3.22E-04	-2.16E-04
3.76E+02	2.28E-04	2.34E-04	-2.24E-04
3.76E+02	2.17E-04	1.72E-04	-2.16E-04
3.76E+02	1.87E-04	1.22E-04	-1.97E-04
3.76E+02	2.07E-04	1.19E-04	-1.70E-04
3.76E+02	2.13E-04	1.43E-04	-1.29E-04
3.76E+02	1.83E-04	1.38E-04	-1.48E-04
3.76E+02	1.73E-04	1.43E-04	-1.45E-04
3.76E+02	1.71E-04	1.60E-04	-7.76E-05
3.76E+02	1.41E-04	1.46E-04	-6.48E-05
3.76E+02	5.61E-05	1.16E-04	-7.40E-05
3.76E+02	-6.24E-05	8.05E-05	-3.49E-05
3.76E+02	-1.51E-04	6.75E-05	4.44E-05
3.76E+02	-2.37E-04	6.12E-05	1.51E-04
3.76E+02	-3.33E-04	2.57E-05	2.08E-04
3.76E+02	-3.77E-04	7.82E-06	2.63E-04
3.76E+02	-3.61E-04	4.96E-06	3.62E-04
3.76E+02	-2.84E-04	-2.04E-05	4.06E-04

3.76E+02	-1.82E-04	-4.96E-05	4.51E-04
3.76E+02	-8.34E-05	-7.04E-05	5.16E-04
3.76E+02	5.21E-05	-5.70E-05	5.34E-04
3.76E+02	1.71E-04	-1.68E-05	4.98E-04
3.76E+02	2.64E-04	4.96E-06	3.44E-04
3.76E+02	3.81E-04	4.90E-05	1.87E-04
3.76E+02	4.78E-04	1.34E-04	1.15E-04
3.76E+02	5.48E-04	2.08E-04	4.48E-05
3.76E+02	5.64E-04	2.73E-04	1.43E-05
3.76E+02	5.14E-04	3.18E-04	1.64E-05
3.76E+02	4.73E-04	3.28E-04	1.70E-05
3.76E+02	3.88E-04	3.20E-04	3.07E-05
3.76E+02	2.28E-04	2.64E-04	-3.80E-05
3.76E+02	6.16E-05	2.09E-04	-1.46E-04
3.76E+02	-8.41E-05	2.21E-04	-1.92E-04
3.76E+02	-1.88E-04	2.43E-04	-2.48E-04
3.76E+02	-2.69E-04	2.79E-04	-2.60E-04
3.76E+02	-3.45E-04	3.41E-04	-1.83E-04
3.76E+02	-3.77E-04	3.85E-04	-8.66E-05
3.76E+02	-3.95E-04	4.16E-04	2.80E-05
3.76E+02	-4.42E-04	4.03E-04	6.81E-05
3.76E+02	-4.71E-04	3.57E-04	9.98E-05
3.76E+02	-4.55E-04	3.32E-04	2.09E-04
3.76E+02	-4.09E-04	3.11E-04	2.90E-04
3.76E+02	-3.56E-04	3.07E-04	3.82E-04
3.76E+02	-3.10E-04	3.11E-04	4.40E-04
3.76E+02	-2.06E-04	3.29E-04	4.25E-04
3.76E+02	-7.23E-05	3.81E-04	4.29E-04
3.76E+02	1.30E-05	3.94E-04	3.57E-04
3.76E+02	1.01E-04	3.94E-04	2.37E-04
3.76E+02	1.83E-04	4.11E-04	1.61E-04
3.76E+02	2.46E-04	3.98E-04	4.16E-05
3.76E+02	2.68E-04	3.64E-04	-5.89E-05
3.76E+02	2.02E-04	3.08E-04	-6.92E-05
3.76E+02	1.59E-04	2.78E-04	-7.82E-06
3.76E+02	1.11E-04	2.70E-04	1.09E-04
3.76E+02	7.63E-07	2.28E-04	1.87E-04
3.76E+02	-8.64E-05	1.84E-04	2.62E-04
3.76E+02	-1.39E-04	1.55E-04	4.01E-04
3.76E+02	-1.45E-04	1.33E-04	5.21E-04
3.76E+02	-1.54E-04	1.03E-04	5.96E-04
3.76E+02	-1.98E-04	7.27E-05	6.30E-04
3.76E+02	-1.92E-04	8.70E-05	6.34E-04
3.76E+02	-1.73E-04	1.46E-04	6.59E-04
3.76E+02	-2.05E-04	2.16E-04	6.50E-04
3.76E+02	-2.31E-04	2.94E-04	5.93E-04
3.76E+02	-2.38E-04	3.89E-04	5.67E-04

3.76E+02	-2.41E-04	4.77E-04	4.76E-04
3.76E+02	-2.53E-04	5.45E-04	2.96E-04
3.76E+02	-2.88E-04	6.01E-04	1.49E-04
3.76E+02	-2.87E-04	6.55E-04	1.60E-05
3.76E+02	-2.61E-04	7.13E-04	-8.35E-05
3.76E+02	-2.71E-04	7.00E-04	-1.90E-04
3.76E+02	-2.74E-04	6.16E-04	-3.24E-04
3.76E+02	-2.55E-04	5.33E-04	-3.75E-04
3.76E+02	-2.43E-04	4.24E-04	-4.24E-04
3.76E+02	-2.19E-04	3.23E-04	-4.45E-04
3.76E+02	-2.07E-04	2.62E-04	-3.59E-04
3.76E+02	-1.91E-04	1.96E-04	-2.41E-04
3.76E+02	-1.58E-04	1.66E-04	-5.23E-05
3.76E+02	-1.70E-04	1.37E-04	1.50E-04
3.76E+02	-1.96E-04	9.69E-05	3.46E-04
3.76E+02	-2.01E-04	8.03E-05	5.96E-04
3.76E+02	-1.89E-04	4.92E-05	7.70E-04
3.76E+02	-1.63E-04	2.67E-05	8.50E-04
3.76E+02	-1.55E-04	3.20E-05	9.10E-04
3.76E+02	-1.07E-04	8.70E-05	9.49E-04
3.76E+02	-1.91E-05	1.94E-04	9.97E-04
3.76E+02	4.01E-05	2.70E-04	9.64E-04
3.76E+02	1.05E-04	3.14E-04	8.51E-04
3.76E+02	1.54E-04	3.33E-04	7.81E-04
3.76E+02	1.74E-04	3.17E-04	6.89E-04
3.76E+02	1.96E-04	2.93E-04	5.65E-04
3.76E+02	1.48E-04	2.29E-04	4.08E-04
3.76E+02	9.00E-05	1.34E-04	1.98E-04
3.76E+02	7.19E-05	4.48E-05	4.35E-05
3.76E+02	0.00E+00	-6.43E-05	-1.08E-04
3.76E+02	-8.98E-05	-1.80E-04	-2.78E-04
3.76E+02	-1.73E-04	-2.66E-04	-3.81E-04
3.76E+02	-2.48E-04	-3.27E-04	-4.78E-04
3.76E+02	-3.03E-04	-3.60E-04	-5.62E-04
3.76E+02	-3.88E-04	-3.50E-04	-5.85E-04
3.76E+02	-4.26E-04	-2.82E-04	-5.54E-04
3.76E+02	-3.90E-04	-1.37E-04	-4.23E-04
3.76E+02	-3.63E-04	5.72E-06	-2.99E-04
3.76E+02	-3.29E-04	1.13E-04	-2.40E-04
3.76E+02	-2.69E-04	2.45E-04	-9.98E-05
3.76E+02	-1.93E-04	3.69E-04	7.36E-05
3.76E+02	-1.45E-04	4.69E-04	2.07E-04
3.76E+02	-1.82E-04	5.30E-04	3.41E-04
3.76E+02	-2.48E-04	5.48E-04	4.33E-04
3.76E+02	-3.19E-04	5.72E-04	4.88E-04
3.76E+02	-4.48E-04	5.71E-04	5.07E-04
3.76E+02	-5.99E-04	5.45E-04	4.96E-04

3.76E+02	-7.21E-04	5.43E-04	5.55E-04
3.76E+02	-8.00E-04	5.52E-04	6.27E-04
3.76E+02	-8.19E-04	5.68E-04	6.47E-04
3.76E+02	-8.04E-04	6.03E-04	7.10E-04
3.76E+02	-7.26E-04	6.39E-04	7.89E-04
3.76E+02	-5.68E-04	6.91E-04	8.27E-04
3.76E+02	-4.14E-04	7.16E-04	7.84E-04
3.76E+02	-2.85E-04	6.76E-04	6.29E-04
3.76E+02	-1.54E-04	6.37E-04	4.64E-04
3.76E+02	-2.84E-05	5.93E-04	2.72E-04
3.77E+02	5.93E-05	5.30E-04	2.23E-05
3.77E+02	7.15E-05	4.68E-04	-1.93E-04
3.77E+02	5.47E-05	3.83E-04	-3.55E-04
3.77E+02	4.44E-05	2.98E-04	-4.33E-04
3.77E+02	-1.39E-05	1.91E-04	-4.43E-04
3.77E+02	-1.03E-04	5.65E-05	-4.51E-04
3.77E+02	-1.83E-04	-3.81E-05	-3.77E-04
3.77E+02	-2.49E-04	-1.33E-04	-2.77E-04
3.77E+02	-2.96E-04	-2.37E-04	-2.60E-04
3.77E+02	-3.62E-04	-3.08E-04	-2.16E-04
3.77E+02	-4.00E-04	-3.41E-04	-1.18E-04
3.77E+02	-3.56E-04	-3.22E-04	3.40E-05
3.77E+02	-3.05E-04	-2.92E-04	2.20E-04
3.77E+02	-2.33E-04	-2.84E-04	3.49E-04
3.77E+02	-1.10E-04	-2.56E-04	5.18E-04
3.77E+02	1.83E-05	-2.25E-04	6.80E-04
3.77E+02	1.40E-04	-2.19E-04	7.03E-04
3.77E+02	2.25E-04	-2.13E-04	6.65E-04
3.77E+02	2.90E-04	-2.08E-04	5.65E-04
3.77E+02	4.10E-04	-1.33E-04	4.69E-04
3.77E+02	5.43E-04	-6.29E-06	4.26E-04
3.77E+02	6.47E-04	8.41E-05	3.47E-04
3.77E+02	7.59E-04	1.84E-04	3.19E-04
3.77E+02	8.65E-04	2.42E-04	3.11E-04
3.77E+02	9.50E-04	2.30E-04	2.31E-04
3.77E+02	9.84E-04	1.91E-04	1.71E-04
3.77E+02	9.77E-04	1.30E-04	1.38E-04
3.77E+02	9.79E-04	1.08E-04	1.11E-04
3.77E+02	9.47E-04	7.15E-05	5.86E-05
3.77E+02	8.83E-04	-1.45E-05	-3.20E-05
3.77E+02	8.28E-04	-8.49E-05	-3.40E-05
3.77E+02	7.74E-04	-1.62E-04	1.70E-05
3.77E+02	7.22E-04	-2.52E-04	5.72E-07
3.77E+02	6.29E-04	-3.53E-04	-4.25E-05
3.77E+02	5.00E-04	-4.76E-04	-1.21E-04
3.77E+02	4.07E-04	-5.92E-04	-1.98E-04
3.77E+02	2.86E-04	-7.08E-04	-2.23E-04

3.77E+02	1.13E-04	-8.21E-04	-2.43E-04
3.77E+02	-5.19E-05	-8.99E-04	-1.96E-04
3.77E+02	-1.91E-04	-9.45E-04	-1.06E-04
3.77E+02	-2.89E-04	-9.58E-04	-6.41E-05
3.77E+02	-4.11E-04	-9.49E-04	-1.89E-05
3.77E+02	-5.15E-04	-8.89E-04	3.17E-05
3.77E+02	-5.16E-04	-7.35E-04	9.94E-05
3.77E+02	-5.19E-04	-5.37E-04	1.86E-04
3.77E+02	-5.40E-04	-3.35E-04	2.25E-04
3.77E+02	-5.38E-04	-1.28E-04	2.84E-04
3.77E+02	-5.41E-04	6.64E-05	3.67E-04
3.77E+02	-5.55E-04	2.26E-04	3.95E-04
3.77E+02	-6.16E-04	3.45E-04	4.07E-04
3.77E+02	-6.88E-04	4.28E-04	3.78E-04
3.77E+02	-6.91E-04	5.13E-04	2.84E-04
3.77E+02	-6.69E-04	6.07E-04	1.64E-04
3.77E+02	-6.32E-04	6.73E-04	-1.14E-05
3.77E+02	-5.27E-04	7.27E-04	-1.86E-04
3.77E+02	-3.70E-04	7.69E-04	-3.04E-04
3.77E+02	-1.86E-04	7.60E-04	-4.43E-04
3.77E+02	-2.82E-05	6.96E-04	-5.55E-04
3.77E+02	9.16E-05	5.85E-04	-5.85E-04
3.77E+02	2.06E-04	4.60E-04	-5.61E-04
3.77E+02	2.62E-04	3.17E-04	-5.24E-04
3.77E+02	2.48E-04	1.32E-04	-5.33E-04
3.77E+02	2.21E-04	-4.04E-05	-4.99E-04
3.77E+02	1.91E-04	-1.73E-04	-3.97E-04
3.77E+02	1.53E-04	-2.87E-04	-3.31E-04
3.77E+02	8.60E-05	-3.78E-04	-2.74E-04
3.77E+02	8.39E-06	-4.45E-04	-2.28E-04
3.77E+02	-1.93E-05	-4.86E-04	-2.00E-04
3.77E+02	-4.37E-05	-5.09E-04	-1.52E-04
3.77E+02	-9.40E-05	-5.55E-04	-1.53E-04
3.77E+02	-1.28E-04	-6.05E-04	-1.63E-04
3.77E+02	-1.47E-04	-6.43E-04	-1.31E-04
3.77E+02	-1.43E-04	-7.06E-04	-1.64E-04
3.77E+02	-1.64E-04	-7.71E-04	-2.22E-04
3.77E+02	-2.09E-04	-8.06E-04	-2.41E-04
3.77E+02	-1.97E-04	-7.92E-04	-2.65E-04
3.77E+02	-1.71E-04	-7.11E-04	-2.96E-04
3.77E+02	-1.55E-04	-6.14E-04	-3.96E-04
3.77E+02	-1.04E-04	-4.96E-04	-4.66E-04
3.77E+02	-3.05E-05	-3.28E-04	-3.82E-04
3.77E+02	4.94E-05	-1.53E-04	-2.51E-04
3.77E+02	1.01E-04	1.56E-05	-6.69E-05
3.77E+02	1.01E-04	1.74E-04	1.05E-04
3.77E+02	1.48E-04	3.54E-04	2.31E-04

3.77E+02	2.34E-04	5.59E-04	3.79E-04
3.77E+02	2.75E-04	6.72E-04	4.23E-04
3.77E+02	3.34E-04	7.13E-04	4.40E-04
3.77E+02	4.10E-04	7.17E-04	5.10E-04
3.77E+02	4.74E-04	6.32E-04	5.05E-04
3.77E+02	5.04E-04	4.63E-04	4.53E-04
3.77E+02	4.78E-04	2.44E-04	3.78E-04
3.77E+02	4.74E-04	2.90E-05	2.92E-04
3.77E+02	4.55E-04	-1.67E-04	1.71E-04
3.77E+02	3.82E-04	-3.65E-04	-4.83E-05
3.77E+02	3.10E-04	-5.33E-04	-2.47E-04
3.77E+02	2.48E-04	-6.47E-04	-3.73E-04
3.77E+02	2.03E-04	-7.41E-04	-4.89E-04
3.77E+02	1.55E-04	-8.33E-04	-5.56E-04
3.77E+02	1.13E-04	-9.30E-04	-5.54E-04
3.77E+02	1.42E-04	-1.01E-03	-4.73E-04
3.77E+02	2.28E-04	-1.02E-03	-2.85E-04
3.77E+02	2.84E-04	-1.01E-03	-1.39E-04
3.77E+02	3.20E-04	-9.83E-04	-6.66E-05
3.77E+02	3.59E-04	-8.73E-04	3.47E-05
3.77E+02	3.69E-04	-7.50E-04	4.41E-05
3.77E+02	3.38E-04	-6.36E-04	-6.48E-06
3.77E+02	2.48E-04	-5.40E-04	2.10E-06
3.77E+02	1.85E-04	-4.55E-04	3.93E-05
3.77E+02	1.71E-04	-3.65E-04	9.90E-05
3.77E+02	1.38E-04	-3.27E-04	9.12E-05
3.77E+02	1.53E-04	-2.97E-04	5.82E-05
3.77E+02	2.14E-04	-2.38E-04	8.22E-05
3.77E+02	2.90E-04	-2.00E-04	4.43E-05
3.77E+02	3.68E-04	-1.79E-04	-5.13E-05
3.77E+02	3.93E-04	-1.92E-04	-1.41E-04
3.77E+02	4.24E-04	-2.38E-04	-2.08E-04
3.77E+02	4.45E-04	-2.75E-04	-2.23E-04
3.77E+02	3.68E-04	-3.20E-04	-2.44E-04
3.77E+02	2.45E-04	-3.51E-04	-2.66E-04
3.77E+02	1.05E-04	-3.28E-04	-2.16E-04
3.77E+02	-5.25E-05	-2.81E-04	-1.59E-04
3.77E+02	-2.05E-04	-2.33E-04	-1.13E-04
3.77E+02	-3.88E-04	-1.94E-04	-2.33E-05
3.77E+02	-5.31E-04	-1.59E-04	1.03E-04
3.77E+02	-6.09E-04	-1.28E-04	2.42E-04
3.77E+02	-6.91E-04	-1.33E-04	3.25E-04
3.77E+02	-7.13E-04	-1.51E-04	3.87E-04
3.77E+02	-6.66E-04	-1.45E-04	5.08E-04
3.77E+02	-5.80E-04	-1.40E-04	5.73E-04
3.77E+02	-4.75E-04	-1.40E-04	5.31E-04
3.77E+02	-4.10E-04	-1.30E-04	4.17E-04

3.77E+02	-3.11E-04	-9.88E-05	2.18E-04
3.77E+02	-1.95E-04	-4.04E-05	-9.73E-06
3.77E+02	-1.43E-04	1.39E-05	-2.06E-04
3.77E+02	-1.12E-04	5.11E-05	-3.57E-04
3.77E+02	-1.13E-04	7.90E-05	-4.22E-04
3.77E+02	-1.54E-04	6.87E-05	-4.60E-04
3.77E+02	-2.12E-04	1.77E-05	-5.13E-04
3.77E+02	-3.14E-04	-6.98E-05	-5.08E-04
3.77E+02	-3.85E-04	-1.59E-04	-4.48E-04
3.77E+02	-3.72E-04	-1.91E-04	-3.53E-04
3.77E+02	-3.48E-04	-1.98E-04	-2.95E-04
3.77E+02	-2.90E-04	-1.74E-04	-2.90E-04
3.77E+02	-1.53E-04	-9.86E-05	-2.36E-04
3.77E+02	4.20E-05	-1.77E-05	-1.94E-04
3.77E+02	2.28E-04	5.17E-05	-1.98E-04
3.77E+02	3.63E-04	9.63E-05	-1.91E-04
3.77E+02	5.18E-04	1.17E-04	-2.02E-04
3.77E+02	6.89E-04	1.31E-04	-1.79E-04
3.77E+02	8.12E-04	1.17E-04	-1.16E-04
3.77E+02	9.00E-04	5.89E-05	-8.26E-05
3.77E+02	9.73E-04	-5.15E-06	1.70E-05
3.77E+02	1.05E-03	-7.57E-05	1.29E-04
3.77E+02	1.11E-03	-1.76E-04	1.38E-04
3.77E+02	1.09E-03	-2.83E-04	1.27E-04
3.77E+02	1.05E-03	-3.69E-04	1.06E-04
3.77E+02	1.01E-03	-4.18E-04	7.23E-05
3.77E+02	9.09E-04	-4.82E-04	-9.16E-06
3.77E+02	7.65E-04	-5.64E-04	-1.38E-04
3.77E+02	6.18E-04	-6.07E-04	-1.77E-04
3.77E+02	4.71E-04	-6.41E-04	-1.64E-04
3.77E+02	3.13E-04	-6.83E-04	-1.41E-04
3.77E+02	1.09E-04	-7.25E-04	-9.08E-05
3.77E+02	-8.45E-05	-7.70E-04	-7.59E-05
3.77E+02	-2.20E-04	-7.68E-04	-5.55E-05
3.77E+02	-3.64E-04	-7.31E-04	-2.56E-05
3.77E+02	-4.87E-04	-6.79E-04	-1.56E-05
3.77E+02	-5.49E-04	-5.85E-04	5.19E-05
3.77E+02	-5.58E-04	-4.82E-04	1.14E-04
3.77E+02	-5.09E-04	-3.82E-04	9.06E-05
3.77E+02	-4.39E-04	-2.75E-04	5.93E-05
3.77E+02	-3.17E-04	-1.72E-04	1.85E-05
3.77E+02	-1.16E-04	-4.56E-05	-2.80E-05
3.77E+02	6.05E-05	6.47E-05	-8.60E-05
3.77E+02	1.76E-04	9.21E-05	-2.16E-04
3.77E+02	2.86E-04	1.05E-04	-2.76E-04
3.77E+02	3.68E-04	1.19E-04	-2.52E-04
3.77E+02	3.90E-04	8.83E-05	-2.52E-04

3.77E+02	3.40E-04	4.60E-05	-2.11E-04
3.77E+02	2.36E-04	-6.29E-06	-1.70E-04
3.77E+02	1.59E-04	-4.71E-05	-1.54E-04
3.77E+02	7.40E-05	-7.51E-05	-1.48E-04
3.77E+02	-3.53E-05	-1.22E-04	-1.82E-04
3.77E+02	-8.75E-05	-1.37E-04	-1.50E-04
3.77E+02	-1.16E-04	-1.51E-04	-1.02E-04
3.77E+02	-1.31E-04	-2.08E-04	-1.57E-04
3.77E+02	-1.62E-04	-2.72E-04	-2.14E-04
3.77E+02	-2.06E-04	-3.19E-04	-2.44E-04
3.77E+02	-2.03E-04	-3.11E-04	-2.71E-04
3.77E+02	-2.25E-04	-2.82E-04	-2.90E-04
3.77E+02	-2.64E-04	-2.44E-04	-2.95E-04
3.77E+02	-2.87E-04	-1.70E-04	-2.05E-04
3.77E+02	-3.05E-04	-7.48E-05	-4.10E-05
3.77E+02	-3.06E-04	5.47E-05	1.36E-04
3.77E+02	-3.57E-04	1.73E-04	2.94E-04
3.77E+02	-4.30E-04	2.45E-04	3.56E-04
3.77E+02	-4.67E-04	3.13E-04	3.46E-04
3.77E+02	-5.24E-04	3.58E-04	2.77E-04
3.77E+02	-5.92E-04	3.72E-04	1.17E-04
3.77E+02	-6.36E-04	3.93E-04	-1.77E-05
3.78E+02	-6.54E-04	4.10E-04	-8.74E-05
3.78E+02	-6.37E-04	3.91E-04	-1.74E-04
3.78E+02	-6.41E-04	3.35E-04	-2.18E-04
3.78E+02	-6.55E-04	2.38E-04	-2.15E-04
3.78E+02	-6.15E-04	1.31E-04	-2.03E-04
3.78E+02	-5.68E-04	1.35E-05	-2.10E-04
3.78E+02	-5.17E-04	-1.47E-04	-3.17E-04
3.78E+02	-4.16E-04	-2.75E-04	-4.13E-04
3.78E+02	-2.72E-04	-3.47E-04	-4.48E-04
3.78E+02	-1.05E-04	-4.12E-04	-5.13E-04
3.78E+02	1.45E-05	-4.74E-04	-5.46E-04
3.78E+02	9.25E-05	-5.60E-04	-5.40E-04
3.78E+02	1.78E-04	-6.41E-04	-5.02E-04
3.78E+02	2.08E-04	-6.92E-04	-4.28E-04
3.78E+02	1.77E-04	-7.45E-04	-3.88E-04
3.78E+02	1.34E-04	-7.40E-04	-2.93E-04
3.78E+02	9.40E-05	-6.70E-04	-1.34E-04
3.78E+02	6.48E-05	-5.91E-04	-5.04E-05
3.78E+02	1.11E-05	-5.01E-04	-1.24E-05
3.78E+02	-5.26E-05	-4.07E-04	5.53E-06
3.78E+02	-6.54E-05	-2.95E-04	2.78E-05
3.78E+02	-6.90E-05	-1.84E-04	4.16E-05
3.78E+02	-8.77E-05	-1.11E-04	-4.60E-05
3.78E+02	-5.59E-05	-3.09E-05	-9.31E-05
3.78E+02	2.99E-05	9.25E-05	-3.57E-05

3.78E+02	1.43E-04	2.25E-04	1.41E-05
3.78E+02	2.62E-04	3.45E-04	9.16E-05
3.78E+02	3.77E-04	4.42E-04	1.72E-04
3.78E+02	5.48E-04	5.10E-04	2.23E-04
3.78E+02	7.39E-04	5.40E-04	2.80E-04
3.78E+02	9.05E-04	4.99E-04	2.88E-04
3.78E+02	1.09E-03	4.30E-04	3.23E-04
3.78E+02	1.24E-03	3.52E-04	4.22E-04
3.78E+02	1.34E-03	2.15E-04	4.40E-04
3.78E+02	1.33E-03	6.54E-05	4.22E-04
3.78E+02	1.18E-03	-6.07E-05	4.14E-04
3.78E+02	9.79E-04	-1.43E-04	3.86E-04
3.78E+02	7.13E-04	-1.67E-04	3.66E-04
3.78E+02	3.79E-04	-1.90E-04	2.81E-04
3.78E+02	7.71E-05	-2.05E-04	2.04E-04
3.78E+02	-1.37E-04	-1.90E-04	2.17E-04
3.78E+02	-2.65E-04	-1.83E-04	2.04E-04
3.78E+02	-3.46E-04	-2.07E-04	1.60E-04
3.78E+02	-3.88E-04	-2.58E-04	5.82E-05
3.78E+02	-3.35E-04	-3.14E-04	-9.94E-05
3.78E+02	-2.37E-04	-3.54E-04	-2.21E-04
3.78E+02	-1.84E-04	-4.12E-04	-3.68E-04
3.78E+02	-1.37E-04	-4.61E-04	-4.77E-04
3.78E+02	-1.15E-04	-4.84E-04	-4.93E-04
3.78E+02	-1.34E-04	-5.10E-04	-5.41E-04
3.78E+02	-1.77E-04	-4.98E-04	-5.72E-04
3.78E+02	-2.68E-04	-4.51E-04	-5.59E-04
3.78E+02	-3.24E-04	-3.51E-04	-5.18E-04
3.78E+02	-3.56E-04	-2.06E-04	-4.16E-04
3.78E+02	-4.21E-04	-1.10E-04	-3.51E-04
3.78E+02	-4.55E-04	-3.70E-05	-3.06E-04
3.78E+02	-4.66E-04	2.06E-05	-2.15E-04
3.78E+02	-4.65E-04	5.07E-05	-1.36E-04
3.78E+02	-4.79E-04	5.46E-05	-5.30E-05
3.78E+02	-5.16E-04	1.01E-05	6.24E-05
3.78E+02	-5.02E-04	-3.80E-05	1.88E-04
3.78E+02	-4.49E-04	-7.44E-05	3.36E-04
3.78E+02	-4.12E-04	-1.17E-04	4.45E-04
3.78E+02	-3.48E-04	-1.30E-04	5.17E-04
3.78E+02	-2.29E-04	-8.51E-05	6.50E-04
3.78E+02	-7.59E-05	6.48E-06	7.49E-04
3.78E+02	1.01E-04	1.36E-04	7.85E-04
3.78E+02	2.65E-04	2.74E-04	7.70E-04
3.78E+02	4.42E-04	4.23E-04	6.75E-04
3.78E+02	6.27E-04	5.79E-04	5.76E-04
3.78E+02	7.47E-04	6.58E-04	3.94E-04
3.78E+02	8.24E-04	6.53E-04	1.83E-04

3.78E+02	8.67E-04	6.19E-04	7.72E-05
3.78E+02	8.67E-04	5.38E-04	-3.34E-05
3.78E+02	8.06E-04	4.33E-04	-1.54E-04
3.78E+02	6.79E-04	3.34E-04	-2.42E-04
3.78E+02	5.60E-04	2.44E-04	-2.89E-04
3.78E+02	4.43E-04	1.89E-04	-2.81E-04
3.78E+02	2.77E-04	1.17E-04	-3.40E-04
3.78E+02	1.07E-04	2.48E-05	-4.33E-04
3.78E+02	-3.57E-05	-3.72E-05	-4.25E-04
3.78E+02	-1.27E-04	-1.04E-04	-4.18E-04
3.78E+02	-1.80E-04	-1.67E-04	-4.16E-04
3.78E+02	-2.38E-04	-2.02E-04	-3.18E-04
3.78E+02	-2.42E-04	-1.93E-04	-1.61E-04
3.78E+02	-1.95E-04	-1.31E-04	2.10E-05
3.78E+02	-1.76E-04	-7.44E-05	1.13E-04
3.78E+02	-1.53E-04	-3.74E-05	1.30E-04
3.78E+02	-1.19E-04	2.67E-05	2.23E-04
3.78E+02	-1.02E-04	1.19E-04	2.97E-04
3.78E+02	-1.09E-04	2.19E-04	3.21E-04
3.78E+02	-1.68E-04	3.16E-04	3.50E-04
3.78E+02	-2.26E-04	3.99E-04	3.53E-04
3.78E+02	-2.48E-04	4.68E-04	3.54E-04
3.78E+02	-2.94E-04	4.80E-04	3.09E-04
3.78E+02	-3.34E-04	4.32E-04	2.26E-04
3.78E+02	-3.48E-04	3.96E-04	2.01E-04
3.78E+02	-3.36E-04	3.38E-04	1.71E-04
3.78E+02	-2.95E-04	2.56E-04	1.07E-04
3.78E+02	-2.92E-04	1.83E-04	1.04E-04
3.78E+02	-2.74E-04	1.17E-04	1.37E-04
3.78E+02	-2.04E-04	8.74E-05	1.62E-04
3.78E+02	-1.50E-04	6.69E-05	1.70E-04
3.78E+02	-9.77E-05	5.00E-05	1.66E-04
3.78E+02	-2.96E-05	7.25E-05	2.13E-04
3.78E+02	3.26E-05	1.12E-04	2.52E-04
3.78E+02	6.43E-05	1.54E-04	2.37E-04
3.78E+02	4.18E-05	1.89E-04	2.36E-04
3.78E+02	-4.77E-06	1.98E-04	2.02E-04
3.78E+02	-2.44E-05	2.09E-04	1.79E-04
3.78E+02	-5.72E-05	2.10E-04	1.83E-04
3.78E+02	-1.18E-04	1.59E-04	1.32E-04
3.78E+02	-1.51E-04	9.67E-05	9.29E-05
3.78E+02	-1.57E-04	1.07E-05	2.40E-05
3.78E+02	-1.45E-04	-1.16E-04	-1.14E-04
3.78E+02	-1.28E-04	-2.48E-04	-2.03E-04
3.78E+02	-1.02E-04	-3.90E-04	-2.48E-04
3.78E+02	-3.15E-05	-4.99E-04	-2.44E-04
3.78E+02	9.92E-06	-6.05E-04	-2.31E-04

3.78E+02	3.43E-06	-7.33E-04	-2.64E-04
3.78E+02	1.74E-05	-7.89E-04	-2.39E-04
3.78E+02	3.49E-05	-7.84E-04	-2.04E-04
3.78E+02	2.98E-05	-7.36E-04	-2.32E-04
3.78E+02	-3.05E-05	-6.32E-04	-2.42E-04
3.78E+02	-9.73E-05	-5.00E-04	-2.16E-04
3.78E+02	-1.22E-04	-3.11E-04	-1.36E-04
3.78E+02	-1.92E-04	-1.11E-04	-4.01E-05
3.78E+02	-2.61E-04	6.47E-05	3.07E-05
3.78E+02	-2.90E-04	2.47E-04	1.33E-04
3.78E+02	-3.06E-04	4.11E-04	1.87E-04
3.78E+02	-2.64E-04	5.60E-04	1.52E-04
3.78E+02	-2.35E-04	7.01E-04	1.40E-04
3.78E+02	-1.98E-04	8.14E-04	1.40E-04
3.78E+02	-1.07E-04	8.93E-04	1.29E-04
3.78E+02	-6.12E-05	8.92E-04	5.84E-05
3.78E+02	-3.87E-05	8.09E-04	-1.00E-04
3.78E+02	-1.41E-05	7.28E-04	-1.85E-04
3.78E+02	-2.71E-05	6.55E-04	-2.10E-04
3.78E+02	-5.28E-05	5.75E-04	-2.49E-04
3.78E+02	-1.46E-04	5.32E-04	-2.23E-04
3.78E+02	-2.79E-04	4.92E-04	-1.90E-04
3.78E+02	-3.64E-04	4.63E-04	-1.54E-04
3.78E+02	-4.78E-04	4.49E-04	-1.02E-04
3.78E+02	-6.25E-04	4.21E-04	-1.06E-04
3.78E+02	-7.36E-04	4.40E-04	-7.17E-05
3.78E+02	-8.04E-04	4.90E-04	-1.56E-05
3.78E+02	-8.25E-04	5.18E-04	1.14E-06
3.78E+02	-8.28E-04	5.47E-04	5.36E-05
3.78E+02	-8.18E-04	5.71E-04	9.33E-05
3.78E+02	-7.30E-04	6.21E-04	1.31E-04
3.78E+02	-6.21E-04	6.85E-04	1.50E-04
3.78E+02	-5.51E-04	6.99E-04	8.28E-05
3.78E+02	-4.48E-04	7.22E-04	4.96E-05
3.78E+02	-3.22E-04	7.69E-04	5.57E-05
3.78E+02	-2.12E-04	8.04E-04	3.93E-05
3.78E+02	-1.59E-04	8.37E-04	2.92E-05
3.78E+02	-1.39E-04	8.32E-04	-1.51E-05
3.78E+02	-8.20E-05	8.03E-04	-5.80E-05
3.78E+02	-7.53E-05	7.44E-04	-5.25E-05
3.78E+02	-1.14E-04	6.17E-04	-7.04E-05
3.78E+02	-1.26E-04	4.80E-04	-5.15E-05
3.78E+02	-1.24E-04	3.38E-04	7.82E-06
3.78E+02	-8.54E-05	1.76E-04	2.12E-05
3.78E+02	-5.68E-05	2.17E-05	6.18E-05
3.78E+02	-2.14E-05	-1.13E-04	1.34E-04
3.78E+02	9.08E-05	-1.75E-04	2.39E-04

3.78E+02	1.73E-04	-2.14E-04	3.08E-04
3.78E+02	2.16E-04	-2.87E-04	2.13E-04
3.78E+02	2.78E-04	-3.27E-04	1.10E-04
3.78E+02	3.18E-04	-3.42E-04	4.75E-05
3.78E+02	3.18E-04	-3.46E-04	-3.89E-05
3.78E+02	2.30E-04	-3.41E-04	-1.02E-04
3.78E+02	7.02E-05	-3.43E-04	-1.50E-04
3.78E+02	-8.05E-05	-3.05E-04	-1.35E-04
3.78E+02	-2.64E-04	-2.61E-04	-5.38E-05
3.78E+02	-4.79E-04	-2.55E-04	-4.96E-06
3.78E+02	-6.63E-04	-2.45E-04	7.55E-05
3.78E+02	-8.09E-04	-2.33E-04	1.66E-04
3.78E+02	-9.08E-04	-2.37E-04	1.46E-04
3.78E+02	-9.75E-04	-2.43E-04	1.22E-04
3.78E+02	-1.01E-03	-2.45E-04	1.33E-04
3.78E+02	-9.53E-04	-2.20E-04	1.42E-04
3.78E+02	-8.67E-04	-1.86E-04	1.24E-04
3.78E+02	-7.92E-04	-1.90E-04	1.85E-05
3.78E+02	-6.73E-04	-1.79E-04	-1.54E-05
3.78E+02	-5.32E-04	-1.15E-04	6.47E-05
3.78E+02	-3.93E-04	-3.80E-05	1.01E-04
3.78E+02	-3.00E-04	6.07E-05	1.03E-04
3.78E+02	-2.62E-04	1.82E-04	6.94E-05
3.78E+02	-1.99E-04	3.13E-04	3.78E-05
3.78E+02	-1.60E-04	4.38E-04	2.61E-05
3.78E+02	-1.78E-04	5.03E-04	-5.82E-05
3.78E+02	-1.88E-04	5.36E-04	-1.23E-04
3.78E+02	-1.94E-04	5.46E-04	-1.46E-04
3.78E+02	-1.77E-04	5.15E-04	-2.21E-04
3.78E+02	-1.62E-04	4.96E-04	-2.41E-04
3.78E+02	-1.69E-04	5.03E-04	-1.94E-04
3.78E+02	-1.18E-04	5.42E-04	-1.62E-04
3.78E+02	-5.13E-05	5.91E-04	-1.23E-04
3.78E+02	-2.67E-06	6.10E-04	-1.11E-04
3.79E+02	8.68E-05	6.18E-04	-9.12E-05
3.79E+02	2.00E-04	6.02E-04	-2.06E-05
3.79E+02	3.14E-04	5.33E-04	1.39E-05
3.79E+02	3.89E-04	4.02E-04	1.96E-05
3.79E+02	4.14E-04	2.24E-04	1.51E-05
3.79E+02	4.49E-04	4.52E-05	-4.20E-06
3.79E+02	4.54E-04	-1.02E-04	7.06E-06
3.79E+02	3.64E-04	-2.19E-04	-2.82E-05
3.79E+02	2.11E-04	-2.85E-04	-9.27E-05
3.79E+02	3.13E-05	-2.84E-04	-1.10E-04
3.79E+02	-1.49E-04	-2.60E-04	-1.67E-04
3.79E+02	-3.29E-04	-2.15E-04	-1.93E-04
3.79E+02	-5.09E-04	-1.60E-04	-1.26E-04

3.79E+02	-6.37E-04	-1.07E-04	-1.39E-05
3.79E+02	-7.18E-04	-5.02E-05	1.50E-04
3.79E+02	-7.85E-04	-3.43E-05	2.68E-04
3.79E+02	-7.97E-04	-3.51E-05	3.47E-04
3.79E+02	-7.44E-04	-2.31E-05	4.55E-04
3.79E+02	-6.41E-04	-3.62E-06	5.14E-04
3.79E+02	-5.49E-04	3.83E-05	5.29E-04
3.79E+02	-4.91E-04	9.04E-05	5.22E-04
3.79E+02	-3.73E-04	1.66E-04	4.99E-04
3.79E+02	-2.46E-04	2.55E-04	4.89E-04
3.79E+02	-1.76E-04	2.95E-04	4.30E-04
3.79E+02	-9.73E-05	3.12E-04	3.85E-04
3.79E+02	-4.39E-06	3.34E-04	4.13E-04
3.79E+02	1.03E-04	3.24E-04	3.68E-04
3.79E+02	2.02E-04	2.84E-04	2.73E-04
3.79E+02	2.47E-04	2.15E-04	2.04E-04
3.79E+02	3.04E-04	1.42E-04	1.55E-04
3.79E+02	3.50E-04	9.59E-05	1.55E-04
3.79E+02	3.15E-04	2.67E-05	9.57E-05
3.79E+02	2.67E-04	-4.27E-05	1.68E-05
3.79E+02	2.23E-04	-6.20E-05	3.80E-05
3.79E+02	1.67E-04	-8.47E-05	4.31E-05
3.79E+02	1.03E-04	-9.33E-05	2.56E-05
3.79E+02	1.03E-05	-8.39E-05	2.02E-05
3.79E+02	-3.07E-05	-7.71E-05	-8.01E-06
3.79E+02	-2.42E-05	-3.76E-05	-6.29E-06
3.79E+02	-3.57E-05	-1.74E-05	-1.77E-05
3.79E+02	-1.47E-05	-5.91E-06	-2.25E-05
3.79E+02	4.29E-05	2.86E-05	5.13E-05
3.79E+02	1.14E-04	3.62E-05	8.32E-05
3.79E+02	1.67E-04	3.41E-05	7.57E-05
3.79E+02	1.57E-04	3.41E-05	1.09E-04
3.79E+02	1.57E-04	5.61E-05	1.77E-04
3.79E+02	1.46E-04	1.06E-04	3.03E-04
3.79E+02	4.58E-05	1.21E-04	3.85E-04
3.79E+02	-9.48E-05	1.03E-04	3.90E-04
3.79E+02	-2.56E-04	9.10E-05	4.11E-04
3.79E+02	-4.24E-04	7.65E-05	3.85E-04
3.79E+02	-5.95E-04	4.56E-05	3.08E-04
3.79E+02	-7.80E-04	-9.73E-06	2.37E-04
3.79E+02	-8.86E-04	-7.69E-05	1.76E-04
3.79E+02	-9.03E-04	-1.40E-04	1.87E-04
3.79E+02	-9.05E-04	-2.43E-04	1.94E-04
3.79E+02	-8.49E-04	-3.79E-04	1.53E-04
3.79E+02	-7.15E-04	-4.91E-04	1.62E-04
3.79E+02	-5.13E-04	-5.99E-04	1.47E-04
3.79E+02	-2.76E-04	-6.85E-04	1.05E-04

3.79E+02	-7.36E-05	-7.14E-04	1.16E-04
3.79E+02	1.28E-04	-6.95E-04	1.26E-04
3.79E+02	3.32E-04	-6.14E-04	1.27E-04
3.79E+02	4.57E-04	-5.42E-04	7.86E-05
3.79E+02	5.38E-04	-5.04E-04	-1.72E-06
3.79E+02	6.08E-04	-4.38E-04	1.28E-05
3.79E+02	6.44E-04	-3.76E-04	5.11E-05
3.79E+02	6.25E-04	-3.33E-04	4.50E-05
3.79E+02	5.14E-04	-3.11E-04	1.66E-05
3.79E+02	3.77E-04	-3.00E-04	-5.55E-05
3.79E+02	2.68E-04	-2.54E-04	-1.05E-04
3.79E+02	1.13E-04	-2.24E-04	-1.60E-04
3.79E+02	-4.52E-05	-1.79E-04	-2.14E-04
3.79E+02	-1.43E-04	-6.03E-05	-1.43E-04
3.79E+02	-2.19E-04	5.34E-05	-5.57E-05
3.79E+02	-2.70E-04	1.44E-04	3.43E-06
3.79E+02	-3.29E-04	2.09E-04	1.13E-04
3.79E+02	-3.70E-04	2.31E-04	2.12E-04
3.79E+02	-3.66E-04	2.39E-04	2.73E-04
3.79E+02	-3.93E-04	2.03E-04	2.28E-04
3.79E+02	-4.04E-04	1.41E-04	8.72E-05
3.79E+02	-3.55E-04	1.07E-04	2.50E-05
3.79E+02	-2.80E-04	7.90E-05	4.96E-06
3.79E+02	-1.94E-04	5.61E-05	-2.57E-05
3.79E+02	-1.59E-04	3.47E-05	-4.44E-05
3.79E+02	-1.32E-04	7.63E-06	-1.21E-04
3.79E+02	-6.54E-05	9.92E-06	-2.19E-04
3.79E+02	-5.02E-05	6.68E-06	-3.38E-04
3.79E+02	-6.41E-05	-1.45E-05	-4.97E-04
3.79E+02	-6.39E-05	-9.73E-06	-5.56E-04
3.79E+02	-4.86E-05	3.05E-06	-5.44E-04
3.79E+02	-1.39E-05	4.77E-06	-5.25E-04
3.79E+02	-8.77E-06	-1.16E-05	-3.98E-04
3.79E+02	4.96E-06	-3.76E-05	-1.91E-04
3.79E+02	5.44E-05	-5.09E-05	4.27E-05
3.79E+02	8.53E-05	-6.81E-05	2.43E-04
3.79E+02	9.19E-05	-9.31E-05	3.45E-04
3.79E+02	8.60E-05	-7.48E-05	4.78E-04
3.79E+02	6.20E-05	-7.06E-06	6.31E-04
3.79E+02	-8.58E-06	6.79E-05	7.19E-04
3.79E+02	-1.58E-04	1.19E-04	8.11E-04
3.79E+02	-3.34E-04	1.27E-04	8.48E-04
3.79E+02	-4.82E-04	1.07E-04	8.25E-04
3.79E+02	-6.47E-04	3.01E-05	7.72E-04
3.79E+02	-8.10E-04	-1.05E-04	6.43E-04
3.79E+02	-9.09E-04	-2.39E-04	5.27E-04
3.79E+02	-9.46E-04	-3.61E-04	4.04E-04

3.79E+02	-9.17E-04	-4.61E-04	2.19E-04
3.79E+02	-8.79E-04	-5.06E-04	9.71E-05
3.79E+02	-8.11E-04	-4.80E-04	4.94E-05
3.79E+02	-6.61E-04	-3.74E-04	7.42E-05
3.79E+02	-5.14E-04	-2.47E-04	1.21E-04
3.79E+02	-3.67E-04	-1.45E-04	9.46E-05
3.79E+02	-1.77E-04	-4.63E-05	1.23E-04
3.79E+02	2.88E-05	3.36E-05	2.07E-04
3.79E+02	2.24E-04	8.13E-05	2.60E-04
3.79E+02	3.51E-04	9.00E-05	3.06E-04
3.79E+02	4.35E-04	6.31E-05	3.15E-04
3.79E+02	5.45E-04	6.07E-05	3.19E-04
3.79E+02	6.14E-04	5.76E-05	3.23E-04
3.79E+02	6.43E-04	3.45E-05	2.78E-04
3.79E+02	6.79E-04	3.47E-05	2.49E-04
3.79E+02	6.96E-04	3.78E-05	2.17E-04
3.79E+02	7.17E-04	3.19E-05	1.18E-04
3.79E+02	6.84E-04	9.73E-06	-7.82E-06
3.79E+02	6.23E-04	-5.15E-06	-1.08E-04
3.79E+02	6.16E-04	2.19E-05	-1.34E-04
3.79E+02	5.64E-04	2.77E-05	-1.16E-04
3.79E+02	4.96E-04	-3.62E-06	-1.37E-04
3.79E+02	4.63E-04	-2.21E-05	-1.10E-04
3.79E+02	4.48E-04	-1.45E-05	-2.14E-05
3.79E+02	4.75E-04	1.56E-05	2.52E-05
3.79E+02	4.72E-04	5.34E-05	6.71E-05
3.79E+02	4.69E-04	8.62E-05	9.84E-05
3.79E+02	5.36E-04	1.29E-04	9.80E-05
3.79E+02	5.83E-04	1.58E-04	6.33E-05
3.79E+02	5.88E-04	1.35E-04	-4.37E-05
3.79E+02	5.93E-04	1.01E-04	-1.12E-04
3.79E+02	5.93E-04	7.78E-05	-1.06E-04
3.79E+02	5.71E-04	3.11E-05	-1.49E-04
3.79E+02	4.77E-04	-3.51E-05	-2.45E-04
3.79E+02	3.44E-04	-7.97E-05	-3.59E-04
3.79E+02	2.16E-04	-9.29E-05	-4.62E-04
3.79E+02	4.33E-05	-7.13E-05	-5.23E-04
3.79E+02	-1.55E-04	-2.48E-05	-5.83E-04
3.79E+02	-3.20E-04	4.44E-05	-5.98E-04
3.79E+02	-4.46E-04	1.41E-04	-5.44E-04
3.79E+02	-5.28E-04	2.23E-04	-4.74E-04
3.79E+02	-5.95E-04	2.76E-04	-3.59E-04
3.79E+02	-6.22E-04	2.90E-04	-2.29E-04
3.79E+02	-5.41E-04	2.78E-04	-8.49E-05
3.79E+02	-4.26E-04	2.55E-04	7.74E-05
3.79E+02	-3.08E-04	1.97E-04	1.67E-04
3.79E+02	-1.44E-04	1.66E-04	2.30E-04

3.79E+02	5.17E-05	1.73E-04	2.70E-04
3.79E+02	2.69E-04	1.71E-04	2.11E-04
3.79E+02	4.41E-04	1.75E-04	1.24E-04
3.79E+02	5.47E-04	1.71E-04	4.06E-05
3.79E+02	6.59E-04	1.59E-04	-4.50E-05
3.79E+02	7.32E-04	1.20E-04	-1.24E-04
3.79E+02	7.29E-04	2.86E-06	-2.41E-04
3.79E+02	6.93E-04	-1.42E-04	-3.13E-04
3.79E+02	6.44E-04	-2.67E-04	-2.87E-04
3.79E+02	5.92E-04	-3.73E-04	-2.70E-04
3.79E+02	5.01E-04	-4.43E-04	-2.54E-04
3.79E+02	3.99E-04	-4.74E-04	-2.24E-04
3.79E+02	3.46E-04	-4.72E-04	-2.13E-04
3.79E+02	3.14E-04	-4.21E-04	-1.54E-04
3.79E+02	2.91E-04	-3.46E-04	-1.01E-04
3.79E+02	2.94E-04	-2.58E-04	-4.63E-05
3.79E+02	3.30E-04	-1.29E-04	8.16E-05
3.79E+02	4.02E-04	5.34E-06	1.57E-04
3.79E+02	4.59E-04	1.31E-04	1.91E-04
3.79E+02	4.80E-04	2.78E-04	2.41E-04
3.79E+02	5.21E-04	4.57E-04	3.07E-04
3.79E+02	5.50E-04	6.34E-04	3.91E-04
3.79E+02	5.24E-04	7.34E-04	3.83E-04
3.79E+02	5.00E-04	7.66E-04	3.44E-04
3.79E+02	4.68E-04	7.60E-04	3.60E-04
3.79E+02	4.24E-04	7.06E-04	3.31E-04
3.79E+02	3.63E-04	6.20E-04	2.31E-04
3.79E+02	2.63E-04	5.11E-04	5.84E-05
3.79E+02	2.07E-04	4.23E-04	-1.47E-04
3.79E+02	1.63E-04	3.47E-04	-3.36E-04
3.79E+02	5.91E-05	2.20E-04	-5.35E-04
3.79E+02	-2.50E-05	8.66E-05	-6.71E-04
3.79E+02	-9.54E-05	-3.13E-05	-6.86E-04
3.79E+02	-1.59E-04	-1.76E-04	-6.73E-04
3.79E+02	-2.24E-04	-3.27E-04	-6.30E-04
3.79E+02	-3.00E-04	-4.53E-04	-5.15E-04
3.79E+02	-2.99E-04	-5.36E-04	-3.94E-04
3.79E+02	-2.63E-04	-5.53E-04	-2.84E-04
3.79E+02	-2.37E-04	-5.36E-04	-2.40E-04
3.79E+02	-1.60E-04	-4.79E-04	-2.37E-04
3.79E+02	-3.74E-05	-3.47E-04	-1.78E-04
3.79E+02	1.34E-04	-1.86E-04	-1.73E-04
3.79E+02	3.02E-04	-1.74E-05	-2.25E-04
3.79E+02	4.26E-04	1.63E-04	-2.68E-04
3.79E+02	5.80E-04	3.41E-04	-3.20E-04
3.79E+02	7.22E-04	5.34E-04	-3.19E-04
3.80E+02	7.83E-04	6.90E-04	-3.31E-04

3.80E+02	8.04E-04	8.10E-04	-3.40E-04
3.80E+02	7.96E-04	9.33E-04	-2.45E-04
3.80E+02	7.63E-04	9.98E-04	-1.94E-04
3.80E+02	6.94E-04	1.00E-03	-2.03E-04
3.80E+02	5.83E-04	9.69E-04	-1.93E-04
3.80E+02	5.16E-04	8.94E-04	-1.75E-04
3.80E+02	4.83E-04	8.04E-04	-1.24E-04
3.80E+02	4.16E-04	6.59E-04	-1.22E-04
3.80E+02	3.77E-04	4.91E-04	-1.52E-04
3.80E+02	3.72E-04	3.50E-04	-9.17E-05
3.80E+02	3.95E-04	2.07E-04	-2.37E-05
3.80E+02	4.36E-04	6.64E-05	4.01E-05
3.80E+02	4.56E-04	-5.91E-05	1.15E-04
3.80E+02	5.22E-04	-1.40E-04	1.44E-04
3.80E+02	6.08E-04	-1.65E-04	1.69E-04
3.80E+02	6.54E-04	-1.90E-04	1.35E-04
3.80E+02	6.92E-04	-2.01E-04	6.20E-05
3.80E+02	7.21E-04	-1.78E-04	5.86E-05
3.80E+02	7.51E-04	-1.58E-04	2.96E-05
3.80E+02	7.43E-04	-1.37E-04	-2.52E-05
3.80E+02	6.66E-04	-1.01E-04	-5.76E-05
3.80E+02	6.00E-04	-3.22E-05	-1.06E-04
3.80E+02	5.30E-04	5.93E-05	-1.41E-04
3.80E+02	4.06E-04	1.06E-04	-2.22E-04
3.80E+02	2.81E-04	1.26E-04	-3.13E-04
3.80E+02	1.85E-04	1.50E-04	-2.87E-04
3.80E+02	1.05E-04	1.55E-04	-2.22E-04
3.80E+02	9.16E-06	1.45E-04	-1.73E-04
3.80E+02	-1.20E-04	1.19E-04	-1.20E-04
3.80E+02	-2.08E-04	8.41E-05	-8.05E-05
3.80E+02	-2.42E-04	7.00E-05	-3.03E-05
3.80E+02	-2.74E-04	4.18E-05	-1.09E-05
3.80E+02	-2.89E-04	-1.51E-05	-5.42E-05
3.80E+02	-2.71E-04	-5.04E-05	-5.00E-05
3.80E+02	-2.04E-04	-6.66E-05	-4.83E-05
3.80E+02	-1.22E-04	-8.24E-05	-1.36E-04
3.80E+02	-6.83E-05	-9.16E-05	-2.27E-04
3.80E+02	9.16E-06	-7.50E-05	-3.04E-04
3.80E+02	9.44E-05	-2.92E-05	-3.78E-04
3.80E+02	1.14E-04	-1.14E-05	-5.03E-04
3.80E+02	1.02E-04	-7.06E-06	-6.71E-04
3.80E+02	8.96E-05	2.65E-05	-7.33E-04
3.80E+02	5.89E-05	5.53E-05	-7.19E-04
3.80E+02	7.06E-06	7.72E-05	-6.67E-04
3.80E+02	-9.77E-05	9.35E-05	-5.35E-04
3.80E+02	-1.95E-04	9.65E-05	-3.77E-04
3.80E+02	-2.23E-04	9.90E-05	-2.01E-04

3.80E+02	-2.58E-04	6.18E-05	-4.48E-05
3.80E+02	-2.72E-04	-1.14E-05	4.92E-05
3.80E+02	-2.26E-04	-5.66E-05	1.63E-04
3.80E+02	-1.36E-04	-8.28E-05	2.79E-04
3.80E+02	-1.43E-05	-8.79E-05	3.34E-04
3.80E+02	7.02E-05	-7.19E-05	3.81E-04
3.80E+02	1.62E-04	-3.26E-05	4.40E-04
3.80E+02	2.74E-04	5.17E-05	4.92E-04
3.80E+02	3.15E-04	1.22E-04	4.57E-04
3.80E+02	3.30E-04	1.79E-04	3.29E-04
3.80E+02	3.40E-04	2.42E-04	2.16E-04
3.80E+02	3.39E-04	3.03E-04	1.38E-04
3.80E+02	3.37E-04	3.96E-04	9.16E-05
3.80E+02	2.89E-04	4.87E-04	4.33E-05
3.80E+02	2.39E-04	5.58E-04	-1.41E-05
3.80E+02	2.11E-04	6.36E-04	-5.76E-05
3.80E+02	1.34E-04	6.75E-04	-1.51E-04
3.80E+02	4.10E-05	6.78E-04	-2.86E-04
3.80E+02	-2.84E-05	6.97E-04	-3.54E-04
3.80E+02	-8.01E-05	7.16E-04	-3.79E-04
3.80E+02	-1.08E-04	7.13E-04	-4.20E-04
3.80E+02	-1.64E-04	7.00E-04	-3.95E-04
3.80E+02	-2.14E-04	6.84E-04	-2.89E-04
3.80E+02	-2.07E-04	6.69E-04	-1.59E-04
3.80E+02	-2.23E-04	6.15E-04	-6.10E-05
3.80E+02	-2.49E-04	5.00E-04	-4.48E-05
3.80E+02	-2.46E-04	3.67E-04	-3.47E-05
3.80E+02	-2.33E-04	2.25E-04	-6.48E-06
3.80E+02	-2.28E-04	6.79E-05	6.10E-06
3.80E+02	-2.74E-04	-1.07E-04	2.54E-05
3.80E+02	-3.27E-04	-2.84E-04	2.48E-05
3.80E+02	-3.31E-04	-4.03E-04	1.79E-05
3.80E+02	-3.51E-04	-4.73E-04	3.05E-06
3.80E+02	-3.71E-04	-5.17E-04	-8.75E-05
3.80E+02	-3.48E-04	-5.00E-04	-1.81E-04
3.80E+02	-2.98E-04	-4.37E-04	-2.52E-04
3.80E+02	-2.15E-04	-3.50E-04	-3.67E-04
3.80E+02	-1.69E-04	-2.50E-04	-4.56E-04
3.80E+02	-1.62E-04	-1.37E-04	-4.95E-04
3.80E+02	-1.32E-04	5.15E-06	-4.75E-04
3.80E+02	-1.57E-04	1.30E-04	-4.02E-04
3.80E+02	-2.27E-04	1.96E-04	-3.41E-04
3.80E+02	-2.72E-04	2.26E-04	-2.11E-04
3.80E+02	-3.02E-04	2.35E-04	-4.37E-05
3.80E+02	-3.13E-04	2.28E-04	3.64E-05
3.80E+02	-3.33E-04	2.19E-04	9.29E-05
3.80E+02	-3.38E-04	2.19E-04	1.44E-04

3.80E+02	-2.78E-04	2.46E-04	1.94E-04
3.80E+02	-2.24E-04	2.76E-04	2.44E-04
3.80E+02	-1.87E-04	2.80E-04	2.18E-04
3.80E+02	-1.30E-04	2.95E-04	2.02E-04
3.80E+02	-6.62E-05	3.09E-04	2.13E-04
3.80E+02	-1.16E-05	2.77E-04	1.46E-04
3.80E+02	-4.96E-06	2.38E-04	1.12E-04
3.80E+02	-1.49E-05	2.15E-04	1.26E-04
3.80E+02	-1.32E-05	2.09E-04	1.39E-04
3.80E+02	-5.93E-05	2.02E-04	1.68E-04
3.80E+02	-1.33E-04	1.47E-04	1.20E-04
3.80E+02	-1.90E-04	7.27E-05	5.76E-05
3.80E+02	-2.27E-04	-1.91E-06	2.08E-05
3.80E+02	-2.25E-04	-1.01E-04	-7.25E-05
3.80E+02	-2.31E-04	-2.00E-04	-1.69E-04
3.80E+02	-2.28E-04	-2.99E-04	-2.36E-04
3.80E+02	-1.58E-04	-3.77E-04	-2.29E-04
3.80E+02	-9.86E-05	-4.34E-04	-1.23E-04
3.80E+02	-7.46E-05	-4.98E-04	-1.98E-05
3.80E+02	-2.75E-05	-5.23E-04	1.06E-04
3.80E+02	3.49E-05	-5.06E-04	2.51E-04
3.80E+02	1.06E-04	-4.64E-04	3.22E-04
3.80E+02	1.66E-04	-3.86E-04	3.83E-04
3.80E+02	1.86E-04	-2.91E-04	4.20E-04
3.80E+02	2.19E-04	-1.62E-04	3.88E-04
3.80E+02	2.26E-04	-1.41E-05	3.21E-04
3.80E+02	1.67E-04	1.04E-04	1.78E-04
3.80E+02	1.00E-04	2.03E-04	6.05E-05
3.80E+02	1.60E-05	3.07E-04	1.26E-05
3.80E+02	-7.90E-05	4.12E-04	-6.39E-05
3.80E+02	-1.92E-04	5.01E-04	-1.29E-04
3.80E+02	-3.15E-04	5.72E-04	-1.76E-04
3.80E+02	-3.71E-04	6.40E-04	-1.80E-04
3.80E+02	-4.05E-04	6.81E-04	-1.26E-04
3.80E+02	-4.45E-04	6.61E-04	-1.24E-04
3.80E+02	-4.38E-04	6.01E-04	-1.15E-04
3.80E+02	-3.79E-04	5.17E-04	-5.72E-05
3.80E+02	-2.78E-04	3.96E-04	-4.84E-05
3.80E+02	-1.69E-04	2.44E-04	-3.68E-05
3.80E+02	-7.29E-05	7.97E-05	1.49E-05
3.80E+02	4.33E-05	-5.57E-05	7.78E-05
3.80E+02	1.33E-04	-1.78E-04	1.05E-04
3.80E+02	1.68E-04	-3.25E-04	3.95E-05
3.80E+02	1.89E-04	-4.52E-04	-7.82E-06
3.80E+02	1.98E-04	-5.47E-04	4.16E-05
3.80E+02	1.92E-04	-6.27E-04	1.27E-04
3.80E+02	1.27E-04	-6.84E-04	2.28E-04

3.80E+02	3.07E-05	-7.10E-04	3.23E-04
3.80E+02	-7.44E-06	-6.91E-04	3.97E-04
3.80E+02	-4.73E-05	-6.53E-04	4.79E-04
3.80E+02	-1.11E-04	-6.28E-04	5.24E-04
3.80E+02	-1.41E-04	-5.64E-04	5.26E-04
3.80E+02	-1.32E-04	-4.54E-04	5.36E-04
3.80E+02	-7.63E-05	-3.47E-04	4.88E-04
3.80E+02	-1.68E-05	-2.38E-04	4.06E-04
3.80E+02	1.85E-05	-1.30E-04	3.36E-04
3.80E+02	9.63E-05	-9.35E-06	2.65E-04
3.80E+02	1.75E-04	1.17E-04	2.30E-04
3.80E+02	1.96E-04	2.08E-04	1.36E-04
3.80E+02	2.25E-04	2.82E-04	2.00E-05
3.80E+02	2.49E-04	3.56E-04	6.68E-06
3.80E+02	2.41E-04	4.12E-04	-8.39E-06
3.80E+02	1.94E-04	4.52E-04	-2.06E-05
3.80E+02	7.59E-05	4.73E-04	-3.30E-05
3.80E+02	-4.81E-05	4.88E-04	-6.68E-05
3.80E+02	-1.72E-04	5.17E-04	-6.37E-05
3.80E+02	-3.37E-04	5.00E-04	-1.27E-04
3.80E+02	-4.84E-04	4.56E-04	-2.08E-04
3.80E+02	-6.03E-04	4.29E-04	-2.07E-04
3.80E+02	-6.84E-04	3.83E-04	-2.25E-04
3.80E+02	-7.32E-04	3.21E-04	-2.27E-04
3.80E+02	-7.79E-04	2.39E-04	-1.51E-04
3.80E+02	-7.51E-04	1.58E-04	-4.20E-05
3.80E+02	-6.64E-04	8.22E-05	7.61E-05
3.80E+02	-5.79E-04	-4.56E-05	9.19E-05
3.80E+02	-4.56E-04	-1.90E-04	2.23E-05
3.80E+02	-2.96E-04	-2.99E-04	-1.93E-05
3.80E+02	-1.22E-04	-3.99E-04	-1.12E-04
3.80E+02	2.84E-05	-5.07E-04	-2.31E-04
3.80E+02	1.05E-04	-6.16E-04	-2.97E-04
3.80E+02	1.67E-04	-7.18E-04	-3.27E-04
3.80E+02	2.24E-04	-8.02E-04	-2.88E-04
3.80E+02	2.09E-04	-8.93E-04	-2.62E-04
3.80E+02	1.66E-04	-9.82E-04	-2.89E-04
3.80E+02	1.33E-04	-1.03E-03	-2.93E-04
3.80E+02	1.22E-04	-1.05E-03	-3.36E-04
3.80E+02	1.30E-04	-1.05E-03	-3.96E-04
3.80E+02	1.22E-04	-1.02E-03	-3.82E-04
3.80E+02	1.53E-04	-9.48E-04	-3.02E-04
3.80E+02	2.10E-04	-8.16E-04	-1.50E-04
3.80E+02	2.13E-04	-7.10E-04	-3.03E-05
3.80E+02	2.00E-04	-6.48E-04	2.61E-05
3.80E+02	1.91E-04	-5.58E-04	1.22E-04
3.80E+02	1.63E-04	-4.56E-04	1.75E-04

3.80E+02	9.71E-05	-3.53E-04	1.59E-04
3.80E+02	-2.17E-05	-2.39E-04	1.37E-04
3.80E+02	-1.15E-04	-1.12E-04	9.14E-05
3.80E+02	-1.71E-04	2.86E-05	8.22E-05
3.80E+02	-2.62E-04	1.39E-04	7.51E-05
3.80E+02	-3.34E-04	1.94E-04	4.04E-05
3.80E+02	-3.46E-04	2.37E-04	6.29E-05
3.80E+02	-3.22E-04	2.28E-04	1.58E-05
3.80E+02	-2.80E-04	1.53E-04	-1.21E-04
3.80E+02	-2.49E-04	6.89E-05	-1.99E-04
3.80E+02	-1.97E-04	-2.88E-05	-2.32E-04
3.81E+02	-1.34E-04	-1.18E-04	-1.94E-04
3.81E+02	-1.11E-04	-2.05E-04	-1.27E-04
3.81E+02	-8.09E-05	-3.08E-04	-8.09E-05
3.81E+02	-2.10E-05	-3.83E-04	2.56E-05
3.81E+02	5.30E-05	-4.35E-04	1.08E-04
3.81E+02	1.24E-04	-4.82E-04	9.29E-05
3.81E+02	1.57E-04	-5.13E-04	2.10E-05
3.81E+02	2.06E-04	-5.17E-04	-8.26E-05
3.81E+02	2.74E-04	-4.87E-04	-1.24E-04
3.81E+02	2.83E-04	-4.64E-04	-1.24E-04
3.81E+02	2.62E-04	-4.75E-04	-1.35E-04
3.81E+02	2.32E-04	-4.66E-04	-5.61E-05
3.81E+02	1.83E-04	-4.52E-04	4.12E-05
3.81E+02	1.36E-04	-4.51E-04	6.14E-05
3.81E+02	4.83E-05	-4.34E-04	7.25E-05
3.81E+02	-2.98E-05	-3.79E-04	8.13E-05
3.81E+02	-6.69E-05	-2.69E-04	9.75E-05
3.81E+02	-1.37E-04	-1.64E-04	5.32E-05
3.81E+02	-1.97E-04	-8.18E-05	-6.89E-05
3.81E+02	-2.39E-04	3.62E-06	-1.20E-04
3.81E+02	-2.63E-04	5.40E-05	-1.33E-04
3.81E+02	-2.52E-04	5.53E-05	-1.66E-04
3.81E+02	-2.66E-04	2.25E-05	-1.74E-04
3.81E+02	-2.50E-04	-2.86E-05	-1.66E-04
3.81E+02	-1.74E-04	-5.89E-05	-1.41E-04
3.81E+02	-1.35E-04	-9.04E-05	-1.71E-04
3.81E+02	-1.02E-04	-1.31E-04	-2.79E-04
3.81E+02	-5.05E-05	-1.19E-04	-3.24E-04
3.81E+02	8.77E-06	-9.10E-05	-3.34E-04
3.81E+02	8.85E-05	-8.20E-05	-3.70E-04
3.81E+02	1.31E-04	-8.41E-05	-3.51E-04
3.81E+02	1.81E-04	-1.12E-04	-2.87E-04
3.81E+02	2.86E-04	-1.44E-04	-1.77E-04
3.81E+02	3.68E-04	-2.12E-04	-7.32E-05
3.81E+02	4.42E-04	-3.31E-04	-4.75E-05
3.81E+02	5.31E-04	-4.23E-04	7.63E-06

3.81E+02	6.07E-04	-4.92E-04	8.64E-05
3.81E+02	6.68E-04	-5.66E-04	1.21E-04
3.81E+02	6.74E-04	-6.15E-04	1.32E-04
3.81E+02	6.49E-04	-6.33E-04	1.01E-04
3.81E+02	6.57E-04	-6.11E-04	8.39E-05
3.81E+02	6.31E-04	-5.79E-04	8.89E-05
3.81E+02	5.61E-04	-5.76E-04	5.04E-05
3.81E+02	4.93E-04	-5.54E-04	5.36E-05
3.81E+02	4.25E-04	-5.13E-04	7.08E-05
3.81E+02	3.56E-04	-4.76E-04	2.48E-06
3.81E+02	2.47E-04	-4.45E-04	-9.69E-05
3.81E+02	1.51E-04	-4.03E-04	-2.17E-04
3.81E+02	1.33E-04	-3.03E-04	-3.27E-04
3.81E+02	1.09E-04	-1.79E-04	-4.47E-04
3.81E+02	8.93E-05	-8.47E-05	-6.39E-04
3.81E+02	9.96E-05	9.35E-06	-7.35E-04
3.81E+02	9.63E-05	1.12E-04	-7.19E-04
3.81E+02	8.77E-05	1.91E-04	-7.24E-04
3.81E+02	3.49E-05	2.51E-04	-6.79E-04
3.81E+02	-2.96E-05	2.81E-04	-5.79E-04
3.81E+02	-3.36E-05	2.94E-04	-4.33E-04
3.81E+02	-3.80E-05	3.06E-04	-2.47E-04
3.81E+02	-3.53E-05	2.82E-04	-1.02E-04
3.81E+02	9.54E-07	2.57E-04	9.48E-05
3.81E+02	4.63E-05	2.18E-04	2.88E-04
3.81E+02	1.29E-04	1.29E-04	3.36E-04
3.81E+02	1.86E-04	7.44E-06	3.38E-04
3.81E+02	2.16E-04	-1.37E-04	3.09E-04
3.81E+02	2.99E-04	-2.47E-04	2.60E-04
3.81E+02	3.59E-04	-3.41E-04	2.21E-04
3.81E+02	3.87E-04	-4.51E-04	1.46E-04
3.81E+02	4.11E-04	-5.55E-04	1.11E-04
3.81E+02	4.10E-04	-6.69E-04	1.26E-04
3.81E+02	4.07E-04	-7.97E-04	1.13E-04
3.81E+02	3.40E-04	-9.49E-04	7.34E-05
3.81E+02	2.46E-04	-1.11E-03	1.93E-05
3.81E+02	2.37E-04	-1.21E-03	-7.25E-06
3.81E+02	2.45E-04	-1.26E-03	4.96E-06
3.81E+02	2.60E-04	-1.29E-03	-1.95E-05
3.81E+02	3.19E-04	-1.24E-03	-7.06E-06
3.81E+02	3.93E-04	-1.15E-03	7.99E-05
3.81E+02	4.76E-04	-1.08E-03	1.30E-04
3.81E+02	5.06E-04	-1.01E-03	1.73E-04
3.81E+02	4.75E-04	-9.41E-04	2.04E-04
3.81E+02	4.52E-04	-8.20E-04	2.17E-04
3.81E+02	3.93E-04	-6.65E-04	2.20E-04
3.81E+02	2.98E-04	-5.28E-04	1.26E-04

3.81E+02	2.23E-04	-3.67E-04	3.91E-05
3.81E+02	1.67E-04	-2.00E-04	2.10E-06
3.81E+02	1.60E-04	-3.76E-05	-5.40E-05
3.81E+02	1.33E-04	1.17E-04	-9.94E-05
3.81E+02	1.05E-04	2.27E-04	-1.61E-04
3.81E+02	1.88E-04	3.40E-04	-1.88E-04
3.81E+02	2.84E-04	4.33E-04	-1.58E-04
3.81E+02	3.43E-04	4.64E-04	-1.71E-04
3.81E+02	4.03E-04	4.82E-04	-1.71E-04
3.81E+02	4.51E-04	5.08E-04	-1.06E-04
3.81E+02	4.78E-04	5.22E-04	-6.90E-05
3.81E+02	4.36E-04	5.26E-04	-3.13E-05
3.81E+02	3.43E-04	5.37E-04	2.88E-05
3.81E+02	2.59E-04	5.61E-04	8.26E-05
3.81E+02	1.62E-04	5.71E-04	1.27E-04
3.81E+02	4.41E-05	5.14E-04	9.06E-05
3.81E+02	-5.23E-05	4.28E-04	6.08E-05
3.81E+02	-1.20E-04	3.65E-04	9.86E-05
3.81E+02	-1.63E-04	2.96E-04	8.96E-05
3.81E+02	-2.08E-04	2.39E-04	6.29E-05
3.81E+02	-2.46E-04	1.91E-04	3.13E-05
3.81E+02	-2.11E-04	1.51E-04	-1.72E-06
3.81E+02	-1.51E-04	1.27E-04	-1.03E-05
3.81E+02	-1.24E-04	6.54E-05	-8.18E-05
3.81E+02	-9.90E-05	4.39E-06	-1.68E-04
3.81E+02	-7.72E-05	-2.46E-05	-2.04E-04
3.81E+02	-4.14E-05	-6.73E-05	-2.64E-04
3.81E+02	-2.75E-05	-1.03E-04	-3.13E-04
3.81E+02	-5.93E-05	-1.32E-04	-3.18E-04
3.81E+02	-4.69E-05	-1.40E-04	-2.91E-04
3.81E+02	-1.79E-05	-1.10E-04	-2.44E-04
3.81E+02	-7.06E-06	-1.05E-04	-2.52E-04
3.81E+02	3.19E-05	-1.13E-04	-2.28E-04
3.81E+02	8.13E-05	-9.86E-05	-1.08E-04
3.81E+02	1.25E-04	-9.38E-05	-2.57E-05
3.81E+02	1.29E-04	-9.31E-05	1.11E-05
3.81E+02	9.25E-05	-8.74E-05	5.19E-05
3.81E+02	7.53E-05	-7.34E-05	8.87E-05
3.81E+02	5.95E-05	-3.83E-05	1.45E-04
3.81E+02	2.94E-05	-1.87E-05	1.71E-04
3.81E+02	2.23E-05	-1.51E-05	1.67E-04
3.81E+02	3.81E-05	-7.63E-07	1.90E-04
3.81E+02	7.72E-05	-8.58E-06	1.42E-04
3.81E+02	1.11E-04	-4.20E-05	2.23E-05
3.81E+02	9.57E-05	-9.77E-05	-6.29E-05
3.81E+02	9.92E-05	-1.45E-04	-1.01E-04
3.81E+02	1.08E-04	-1.74E-04	-8.62E-05

3.81E+02	6.33E-05	-2.59E-04	-1.07E-04
3.81E+02	2.78E-05	-3.67E-04	-1.59E-04
3.81E+02	2.00E-05	-4.53E-04	-1.49E-04
3.81E+02	3.78E-05	-5.50E-04	-1.33E-04
3.81E+02	4.18E-05	-6.34E-04	-1.14E-04
3.81E+02	-9.73E-06	-7.12E-04	-1.07E-04
3.81E+02	-2.73E-05	-7.60E-04	-1.09E-04
3.81E+02	-1.93E-05	-7.43E-04	-3.53E-05
3.81E+02	-8.18E-05	-7.29E-04	1.58E-05
3.81E+02	-1.53E-04	-6.87E-04	4.54E-05
3.81E+02	-2.00E-04	-5.71E-04	1.65E-04
3.81E+02	-2.50E-04	-4.27E-04	2.72E-04
3.81E+02	-3.07E-04	-2.67E-04	3.37E-04
3.81E+02	-4.08E-04	-1.07E-04	3.85E-04
3.81E+02	-4.72E-04	6.43E-05	3.85E-04
3.81E+02	-4.82E-04	2.47E-04	3.55E-04
3.81E+02	-5.13E-04	3.73E-04	2.38E-04
3.81E+02	-5.08E-04	4.61E-04	1.03E-04
3.81E+02	-4.52E-04	5.48E-04	8.58E-05
3.81E+02	-3.61E-04	6.03E-04	1.06E-04
3.81E+02	-2.54E-04	6.28E-04	1.14E-04
3.81E+02	-1.98E-04	6.24E-04	1.01E-04
3.81E+02	-1.23E-04	6.02E-04	3.85E-05
3.81E+02	-2.61E-05	5.94E-04	-2.38E-05
3.81E+02	1.07E-05	5.69E-04	-8.58E-05
3.81E+02	2.88E-05	5.41E-04	-1.23E-04
3.81E+02	3.85E-05	5.33E-04	-6.37E-05
3.81E+02	4.46E-05	4.95E-04	2.35E-05
3.81E+02	1.51E-05	4.27E-04	7.44E-05
3.81E+02	-7.59E-05	3.43E-04	1.42E-04
3.81E+02	-1.29E-04	2.75E-04	2.21E-04
3.81E+02	-1.58E-04	2.33E-04	2.76E-04
3.81E+02	-2.13E-04	1.62E-04	2.63E-04
3.81E+02	-2.48E-04	8.07E-05	1.84E-04
3.81E+02	-2.47E-04	1.45E-05	1.46E-04
3.81E+02	-2.27E-04	-6.20E-05	1.10E-04
3.81E+02	-2.16E-04	-1.64E-04	4.06E-05
3.81E+02	-2.31E-04	-2.87E-04	1.62E-05
3.81E+02	-2.20E-04	-3.84E-04	5.53E-06
3.81E+02	-1.52E-04	-4.30E-04	3.41E-05
3.81E+02	-1.05E-04	-4.53E-04	9.16E-05
3.81E+02	-7.95E-05	-4.48E-04	1.11E-04
3.81E+02	-3.80E-05	-3.88E-04	1.58E-04
3.81E+02	-6.10E-06	-3.10E-04	1.46E-04
3.81E+02	1.37E-05	-2.38E-04	2.08E-05
3.81E+02	9.54E-07	-1.52E-04	-7.71E-05
3.81E+02	-3.81E-06	-4.69E-05	-1.29E-04

3.81E+02	4.31E-05	7.95E-05	-1.32E-04
3.81E+02	6.48E-05	1.96E-04	-1.12E-04
3.81E+02	7.21E-05	2.77E-04	-1.11E-04
3.81E+02	8.85E-05	3.52E-04	-3.81E-05
3.81E+02	8.68E-05	4.31E-04	7.36E-05
3.81E+02	6.60E-05	5.06E-04	1.62E-04
3.81E+02	-1.49E-05	5.72E-04	2.70E-04
3.81E+02	-9.98E-05	6.21E-04	3.70E-04
3.81E+02	-1.37E-04	6.64E-04	4.78E-04
3.81E+02	-1.88E-04	6.68E-04	5.59E-04
3.81E+02	-2.14E-04	6.13E-04	5.62E-04
3.81E+02	-1.80E-04	5.36E-04	5.98E-04
3.81E+02	-1.16E-04	4.36E-04	5.95E-04
3.81E+02	-1.70E-05	3.10E-04	4.83E-04
3.81E+02	6.85E-05	1.82E-04	3.78E-04
3.81E+02	1.42E-04	7.97E-05	2.87E-04
3.81E+02	2.51E-04	2.71E-05	2.24E-04
3.81E+02	3.22E-04	-1.74E-05	1.30E-04
3.81E+02	3.40E-04	-7.48E-05	-7.82E-06
3.81E+02	3.58E-04	-8.66E-05	-1.93E-05
3.81E+02	3.56E-04	-7.99E-05	6.14E-05
3.81E+02	3.20E-04	-9.17E-05	1.22E-04
3.81E+02	2.22E-04	-1.15E-04	1.81E-04
3.82E+02	8.51E-05	-1.69E-04	2.08E-04
3.82E+02	-2.75E-05	-2.14E-04	2.28E-04
3.82E+02	-1.55E-04	-2.48E-04	2.54E-04
3.82E+02	-2.98E-04	-2.85E-04	2.21E-04
3.82E+02	-3.98E-04	-2.70E-04	1.97E-04
3.82E+02	-4.42E-04	-2.03E-04	1.93E-04
3.82E+02	-4.32E-04	-1.12E-04	1.54E-04
3.82E+02	-4.11E-04	-2.48E-06	1.54E-04
3.82E+02	-3.55E-04	1.38E-04	1.79E-04
3.82E+02	-2.23E-04	3.07E-04	1.80E-04
3.82E+02	-1.06E-04	4.53E-04	1.58E-04
3.82E+02	-9.16E-06	5.37E-04	9.04E-05
3.82E+02	1.08E-04	5.99E-04	8.16E-05
3.82E+02	2.11E-04	6.53E-04	1.18E-04
3.82E+02	3.03E-04	6.64E-04	1.24E-04
3.82E+02	3.33E-04	6.44E-04	1.79E-04
3.82E+02	3.25E-04	5.95E-04	2.19E-04
3.82E+02	3.56E-04	5.31E-04	2.33E-04
3.82E+02	3.50E-04	4.69E-04	2.78E-04
3.82E+02	3.03E-04	3.80E-04	2.60E-04
3.82E+02	2.66E-04	2.93E-04	2.21E-04
3.82E+02	2.17E-04	2.12E-04	1.96E-04
3.82E+02	1.76E-04	1.22E-04	1.02E-04
3.82E+02	1.04E-04	3.36E-05	-3.81E-06

3.82E+02	-1.34E-06	-4.75E-05	-7.92E-05
3.82E+02	-5.97E-05	-9.08E-05	-8.91E-05
3.82E+02	-1.32E-04	-1.23E-04	-5.25E-05
3.82E+02	-2.22E-04	-1.85E-04	-9.23E-05
3.82E+02	-2.41E-04	-2.11E-04	-7.50E-05
3.82E+02	-2.06E-04	-1.94E-04	3.95E-05
3.82E+02	-1.53E-04	-1.83E-04	1.11E-04
3.82E+02	-1.22E-04	-1.57E-04	2.01E-04
3.82E+02	-1.04E-04	-1.18E-04	2.76E-04
3.82E+02	-3.95E-05	-5.99E-05	2.95E-04
3.82E+02	2.48E-06	1.60E-05	2.70E-04
3.82E+02	8.96E-06	7.25E-05	1.67E-04
3.82E+02	3.24E-05	1.51E-04	1.07E-04
3.82E+02	7.78E-05	2.51E-04	9.65E-05
3.82E+02	1.49E-04	3.25E-04	4.23E-05
3.82E+02	1.80E-04	3.84E-04	3.15E-05
3.82E+02	1.72E-04	4.22E-04	8.66E-05
3.82E+02	1.83E-04	4.56E-04	1.46E-04
3.82E+02	1.49E-04	4.75E-04	1.62E-04
3.82E+02	6.64E-05	4.24E-04	8.24E-05
3.82E+02	1.39E-05	3.77E-04	2.52E-05
3.82E+02	-1.58E-05	3.50E-04	2.56E-05
3.82E+02	-1.89E-05	3.25E-04	3.74E-05
3.82E+02	-2.21E-05	3.40E-04	1.08E-04
3.82E+02	-3.13E-05	3.58E-04	1.46E-04
3.82E+02	3.01E-05	3.95E-04	1.54E-04
3.82E+02	8.93E-05	4.21E-04	1.66E-04
3.82E+02	1.12E-04	3.82E-04	1.14E-04
3.82E+02	1.62E-04	3.42E-04	1.08E-04
3.82E+02	2.24E-04	2.95E-04	1.84E-04
3.82E+02	2.81E-04	2.19E-04	2.17E-04
3.82E+02	2.84E-04	1.44E-04	2.39E-04
3.82E+02	2.40E-04	8.32E-05	2.92E-04
3.82E+02	2.17E-04	5.84E-05	3.43E-04
3.82E+02	1.72E-04	3.83E-05	3.61E-04
3.82E+02	8.35E-05	-2.69E-05	2.71E-04
3.82E+02	1.53E-05	-8.66E-05	1.29E-04
3.82E+02	-2.42E-05	-1.07E-04	2.50E-05
3.82E+02	-3.13E-05	-1.17E-04	-7.04E-05
3.82E+02	-2.92E-05	-1.29E-04	-1.18E-04
3.82E+02	-3.68E-05	-1.53E-04	-1.06E-04
3.82E+02	2.71E-05	-1.58E-04	-5.04E-05
3.82E+02	1.23E-04	-1.34E-04	2.84E-05
3.82E+02	1.87E-04	-1.28E-04	2.54E-05
3.82E+02	2.89E-04	-1.04E-04	1.22E-05
3.82E+02	4.18E-04	-5.38E-05	3.05E-05
3.82E+02	5.53E-04	-2.38E-05	-3.83E-05

3.82E+02	6.56E-04	-1.13E-05	-1.02E-04
3.82E+02	6.94E-04	-1.32E-05	-9.48E-05
3.82E+02	7.51E-04	-5.91E-06	-5.49E-05
3.82E+02	7.87E-04	5.72E-07	2.54E-05
3.82E+02	7.46E-04	-3.99E-05	3.41E-05
3.82E+02	7.00E-04	-8.85E-05	-2.10E-06
3.82E+02	6.62E-04	-9.16E-05	1.54E-05
3.82E+02	6.09E-04	-5.02E-05	1.53E-05
3.82E+02	5.08E-04	1.58E-05	2.08E-05
3.82E+02	3.70E-04	8.43E-05	3.19E-05
3.82E+02	2.60E-04	1.55E-04	1.56E-05
3.82E+02	1.69E-04	2.15E-04	1.77E-05
3.82E+02	4.41E-05	2.14E-04	-1.49E-05
3.82E+02	-6.92E-05	1.91E-04	-3.01E-05
3.82E+02	-1.47E-04	1.76E-04	-1.91E-06
3.82E+02	-2.01E-04	1.25E-04	-5.04E-05
3.82E+02	-2.34E-04	7.31E-05	-1.09E-04
3.82E+02	-2.94E-04	1.51E-05	-1.55E-04
3.82E+02	-2.90E-04	-1.45E-05	-1.87E-04
3.82E+02	-2.26E-04	4.39E-06	-1.68E-04
3.82E+02	-2.22E-04	-4.04E-05	-2.25E-04
3.82E+02	-1.93E-04	-8.47E-05	-2.85E-04
3.82E+02	-1.34E-04	-8.20E-05	-2.37E-04
3.82E+02	-7.99E-05	-9.96E-05	-2.02E-04
3.82E+02	-5.34E-05	-1.17E-04	-1.88E-04
3.82E+02	-9.94E-05	-1.39E-04	-1.90E-04
3.82E+02	-1.17E-04	-1.56E-04	-2.37E-04
3.82E+02	-1.16E-04	-1.43E-04	-2.70E-04
3.82E+02	-1.62E-04	-1.42E-04	-3.20E-04
3.82E+02	-1.97E-04	-1.39E-04	-3.70E-04
3.82E+02	-2.08E-04	-1.17E-04	-3.43E-04
3.82E+02	-1.98E-04	-1.11E-04	-3.17E-04
3.82E+02	-1.84E-04	-1.08E-04	-3.04E-04
3.82E+02	-1.97E-04	-9.92E-05	-2.54E-04
3.82E+02	-1.72E-04	-5.97E-05	-1.67E-04
3.82E+02	-1.22E-04	2.06E-05	-2.90E-05
3.82E+02	-1.17E-04	7.51E-05	5.47E-05
3.82E+02	-1.12E-04	1.24E-04	8.70E-05
3.82E+02	-8.74E-05	1.87E-04	1.74E-04
3.82E+02	-4.98E-05	2.26E-04	2.44E-04
3.82E+02	-1.18E-05	2.56E-04	2.82E-04
3.82E+02	-2.57E-05	2.49E-04	3.10E-04
3.82E+02	-3.45E-05	2.33E-04	2.94E-04
3.82E+02	-1.77E-05	2.58E-04	2.75E-04
3.82E+02	-4.90E-05	2.82E-04	2.13E-04
3.82E+02	-8.91E-05	3.09E-04	9.04E-05
3.82E+02	-1.13E-04	3.33E-04	7.63E-06

3.82E+02	-1.41E-04	3.32E-04	-8.03E-05
3.82E+02	-1.77E-04	2.90E-04	-2.16E-04
3.82E+02	-2.37E-04	2.14E-04	-2.97E-04
3.82E+02	-2.58E-04	1.45E-04	-3.06E-04
3.82E+02	-2.46E-04	8.75E-05	-2.53E-04
3.82E+02	-2.64E-04	1.75E-05	-2.00E-04
3.82E+02	-2.70E-04	-5.32E-05	-1.66E-04
3.82E+02	-2.47E-04	-8.35E-05	-4.62E-05
3.82E+02	-2.22E-04	-8.16E-05	8.70E-05
3.82E+02	-2.09E-04	-6.31E-05	1.94E-04
3.82E+02	-2.26E-04	-3.41E-05	3.00E-04
3.82E+02	-2.30E-04	-1.34E-06	3.52E-04
3.82E+02	-2.29E-04	6.10E-05	3.88E-04
3.82E+02	-2.75E-04	1.24E-04	3.95E-04
3.82E+02	-3.23E-04	1.82E-04	3.47E-04
3.82E+02	-3.54E-04	2.71E-04	2.99E-04
3.82E+02	-3.62E-04	3.54E-04	2.06E-04
3.82E+02	-3.59E-04	3.95E-04	5.34E-05
3.82E+02	-3.81E-04	4.21E-04	-4.43E-05
3.82E+02	-3.60E-04	4.44E-04	-8.18E-05
3.82E+02	-3.11E-04	4.49E-04	-1.02E-04
3.82E+02	-2.93E-04	4.04E-04	-1.51E-04
3.82E+02	-2.67E-04	3.20E-04	-2.36E-04
3.82E+02	-2.19E-04	2.29E-04	-2.63E-04
3.82E+02	-1.71E-04	1.37E-04	-2.70E-04
3.82E+02	-1.43E-04	6.66E-05	-2.80E-04
3.82E+02	-1.61E-04	-4.01E-06	-2.58E-04
3.82E+02	-1.63E-04	-6.90E-05	-2.51E-04
3.82E+02	-1.20E-04	-8.91E-05	-2.14E-04
3.82E+02	-1.07E-04	-1.18E-04	-1.74E-04
3.82E+02	-1.02E-04	-1.54E-04	-1.69E-04
3.82E+02	-6.98E-05	-1.75E-04	-1.18E-04
3.82E+02	-1.35E-05	-2.04E-04	-1.14E-04
3.82E+02	5.34E-05	-2.33E-04	-1.79E-04
3.82E+02	8.30E-05	-2.31E-04	-1.88E-04
3.82E+02	1.07E-04	-1.89E-04	-1.87E-04
3.82E+02	1.40E-04	-1.30E-04	-1.52E-04
3.82E+02	1.12E-04	-9.75E-05	-8.28E-05
3.82E+02	5.15E-05	-1.25E-04	-7.88E-05
3.82E+02	7.63E-07	-1.90E-04	-6.90E-05
3.82E+02	-5.26E-05	-2.61E-04	-5.44E-05
3.82E+02	-1.02E-04	-3.18E-04	-4.73E-05
3.82E+02	-1.94E-04	-3.51E-04	9.54E-07
3.82E+02	-2.69E-04	-3.68E-04	5.63E-05
3.82E+02	-2.71E-04	-3.51E-04	1.64E-04
3.82E+02	-2.98E-04	-3.23E-04	3.02E-04
3.82E+02	-3.23E-04	-3.10E-04	3.90E-04

3.82E+02	-3.04E-04	-2.98E-04	4.95E-04
3.82E+02	-2.71E-04	-3.06E-04	5.70E-04
3.82E+02	-2.28E-04	-3.36E-04	5.50E-04
3.82E+02	-2.30E-04	-3.74E-04	5.06E-04
3.82E+02	-2.49E-04	-4.09E-04	4.47E-04
3.82E+02	-2.41E-04	-3.93E-04	3.72E-04
3.82E+02	-2.83E-04	-3.42E-04	2.57E-04
3.82E+02	-3.54E-04	-2.84E-04	7.76E-05
3.82E+02	-4.00E-04	-1.71E-04	-4.96E-05
3.82E+02	-4.43E-04	-2.56E-05	-1.35E-04
3.82E+02	-4.71E-04	1.30E-04	-2.26E-04
3.82E+02	-5.17E-04	2.84E-04	-2.72E-04
3.82E+02	-5.60E-04	4.02E-04	-2.93E-04
3.82E+02	-5.43E-04	5.11E-04	-2.91E-04
3.82E+02	-5.34E-04	5.94E-04	-2.43E-04
3.82E+02	-5.52E-04	6.21E-04	-1.79E-04
3.82E+02	-5.40E-04	6.39E-04	-7.31E-05
3.82E+02	-5.03E-04	6.49E-04	7.02E-05
3.82E+02	-4.62E-04	6.31E-04	1.37E-04
3.82E+02	-4.52E-04	5.91E-04	1.70E-04
3.82E+02	-4.70E-04	5.28E-04	1.98E-04
3.82E+02	-4.68E-04	4.69E-04	1.64E-04
3.82E+02	-4.78E-04	4.02E-04	7.32E-05
3.82E+02	-5.17E-04	2.80E-04	-9.56E-05
3.82E+02	-5.02E-04	1.60E-04	-2.34E-04
3.82E+02	-4.29E-04	6.94E-05	-2.83E-04
3.82E+02	-3.45E-04	-3.22E-05	-3.31E-04
3.82E+02	-2.86E-04	-1.32E-04	-3.42E-04
3.82E+02	-2.42E-04	-2.28E-04	-3.21E-04
3.82E+02	-1.72E-04	-3.03E-04	-2.85E-04
3.82E+02	-1.38E-04	-3.66E-04	-2.37E-04
3.82E+02	-1.57E-04	-4.47E-04	-2.45E-04
3.82E+02	-1.83E-04	-4.97E-04	-2.25E-04
3.82E+02	-2.06E-04	-5.20E-04	-1.37E-04
3.82E+02	-1.99E-04	-5.39E-04	-6.90E-05
3.83E+02	-1.93E-04	-5.27E-04	2.56E-05
3.83E+02	-1.95E-04	-4.93E-04	1.57E-04
3.83E+02	-1.40E-04	-4.14E-04	2.76E-04
3.83E+02	-8.45E-05	-3.20E-04	3.49E-04
3.83E+02	-5.87E-05	-2.69E-04	3.25E-04
3.83E+02	3.43E-06	-2.00E-04	3.15E-04
3.83E+02	5.74E-05	-1.39E-04	3.55E-04
3.83E+02	7.74E-05	-1.20E-04	3.50E-04
3.83E+02	5.46E-05	-1.02E-04	3.38E-04
3.83E+02	-1.95E-05	-1.07E-04	2.93E-04
3.83E+02	-5.57E-05	-9.59E-05	2.16E-04
3.83E+02	-9.35E-05	-7.42E-05	1.55E-04

3.83E+02	-1.61E-04	-7.97E-05	2.12E-05
3.83E+02	-1.99E-04	-5.91E-05	-1.13E-04
3.83E+02	-2.32E-04	-3.41E-05	-1.83E-04
3.83E+02	-2.56E-04	-3.85E-05	-2.86E-04
3.83E+02	-3.13E-04	-6.62E-05	-3.48E-04
3.83E+02	-4.16E-04	-1.24E-04	-3.38E-04
3.83E+02	-4.87E-04	-1.73E-04	-2.78E-04
3.83E+02	-5.69E-04	-2.08E-04	-1.52E-04
3.83E+02	-6.76E-04	-2.52E-04	-6.79E-05
3.83E+02	-7.45E-04	-2.80E-04	-5.34E-06
3.83E+02	-7.70E-04	-2.65E-04	9.78E-05
3.83E+02	-7.57E-04	-2.30E-04	1.48E-04
3.83E+02	-7.41E-04	-1.94E-04	1.50E-04
3.83E+02	-7.24E-04	-1.51E-04	1.26E-04
3.83E+02	-6.50E-04	-9.04E-05	1.05E-04
3.83E+02	-5.74E-04	-3.24E-05	1.39E-04
3.83E+02	-5.36E-04	-2.44E-05	1.49E-04
3.83E+02	-4.95E-04	-1.60E-05	1.48E-04
3.83E+02	-4.56E-04	3.19E-05	1.75E-04
3.83E+02	-4.23E-04	8.60E-05	1.32E-04
3.83E+02	-4.19E-04	1.52E-04	5.95E-05
3.83E+02	-4.48E-04	2.24E-04	2.16E-05
3.83E+02	-4.31E-04	3.17E-04	9.54E-06
3.83E+02	-3.97E-04	4.18E-04	2.35E-05
3.83E+02	-3.92E-04	4.56E-04	-1.85E-05
3.83E+02	-3.68E-04	4.50E-04	-6.43E-05
3.83E+02	-3.33E-04	4.32E-04	-2.90E-05
3.83E+02	-3.06E-04	4.00E-04	-1.68E-05
3.83E+02	-3.00E-04	3.72E-04	-3.64E-05
3.83E+02	-3.26E-04	3.46E-04	-4.92E-05
3.83E+02	-3.14E-04	3.27E-04	-7.67E-05
3.83E+02	-2.66E-04	3.11E-04	-9.54E-05
3.83E+02	-2.47E-04	2.74E-04	-1.40E-04
3.83E+02	-2.24E-04	2.29E-04	-1.73E-04
3.83E+02	-1.82E-04	1.73E-04	-1.16E-04
3.83E+02	-1.36E-04	9.14E-05	-8.28E-05
3.83E+02	-9.98E-05	-2.10E-06	-8.32E-05
3.83E+02	-1.04E-04	-9.92E-05	-2.40E-05
3.83E+02	-8.81E-05	-1.77E-04	1.03E-04
3.83E+02	-6.73E-05	-2.18E-04	2.76E-04
3.83E+02	-1.21E-04	-2.94E-04	2.98E-04
3.83E+02	-1.78E-04	-3.70E-04	1.35E-04
3.83E+02	-1.86E-04	-3.70E-04	-1.01E-05
3.83E+02	-1.69E-04	-3.61E-04	-1.43E-04
3.83E+02	-1.54E-04	-3.38E-04	-2.01E-04
3.83E+02	-1.56E-04	-3.04E-04	-1.55E-04
3.83E+02	-1.15E-04	-2.85E-04	-1.42E-04

3.83E+02	-7.31E-05	-2.44E-04	-9.02E-05
3.83E+02	-8.91E-05	-2.25E-04	-6.16E-05
3.83E+02	-8.96E-05	-2.06E-04	-1.12E-04
3.83E+02	-7.48E-05	-1.08E-04	-7.53E-05
3.83E+02	-4.20E-05	1.83E-05	-7.15E-05
3.83E+02	-8.77E-06	1.35E-04	-1.65E-04
3.83E+02	-2.94E-05	2.55E-04	-2.79E-04
3.83E+02	-8.01E-06	3.90E-04	-3.98E-04
3.83E+02	3.99E-05	5.24E-04	-4.19E-04
3.83E+02	1.98E-05	5.85E-04	-3.92E-04
3.83E+02	-1.07E-05	5.78E-04	-3.03E-04
3.83E+02	-4.23E-05	5.52E-04	-9.19E-05
3.83E+02	-9.86E-05	5.10E-04	2.33E-05
3.83E+02	-2.10E-04	4.40E-04	-4.60E-05
3.83E+02	-3.77E-04	3.62E-04	-1.16E-04
3.83E+02	-5.02E-04	3.10E-04	-1.19E-04
3.83E+02	-5.83E-04	2.49E-04	-1.34E-04
3.83E+02	-6.58E-04	1.84E-04	-9.10E-05
3.83E+02	-6.87E-04	1.38E-04	3.97E-05
3.83E+02	-6.54E-04	7.99E-05	1.39E-04
3.83E+02	-5.83E-04	5.72E-06	1.43E-04
3.83E+02	-4.84E-04	-7.65E-05	7.82E-05
3.83E+02	-3.60E-04	-1.22E-04	5.09E-05
3.83E+02	-2.19E-04	-1.25E-04	1.53E-06
3.83E+02	-4.94E-05	-9.42E-05	-1.04E-04
3.83E+02	1.20E-04	-5.11E-05	-1.95E-04
3.83E+02	2.73E-04	-1.16E-05	-2.31E-04
3.83E+02	4.15E-04	4.52E-05	-1.21E-04
3.83E+02	5.25E-04	7.08E-05	3.74E-05
3.83E+02	5.71E-04	8.30E-05	1.04E-04
3.83E+02	5.14E-04	1.32E-04	6.48E-05
3.83E+02	4.36E-04	2.07E-04	1.45E-05
3.83E+02	3.86E-04	3.12E-04	6.12E-05
3.83E+02	2.72E-04	3.88E-04	6.92E-05
3.83E+02	1.09E-04	4.37E-04	-4.58E-06
3.83E+02	-4.60E-05	5.04E-04	1.72E-06
3.83E+02	-1.70E-04	5.48E-04	2.82E-05
3.83E+02	-2.77E-04	5.55E-04	-2.29E-05
3.83E+02	-4.13E-04	5.51E-04	-6.64E-05
3.83E+02	-5.01E-04	5.58E-04	-1.09E-04
3.83E+02	-5.29E-04	5.69E-04	-1.65E-04
3.83E+02	-5.86E-04	5.42E-04	-2.11E-04
3.83E+02	-6.17E-04	4.89E-04	-2.69E-04
3.83E+02	-6.03E-04	4.53E-04	-2.94E-04
3.83E+02	-5.91E-04	4.02E-04	-3.81E-04
3.83E+02	-5.81E-04	2.97E-04	-5.52E-04
3.83E+02	-5.75E-04	1.64E-04	-6.34E-04

3.83E+02	-5.05E-04	2.92E-05	-6.73E-04
3.83E+02	-3.63E-04	-8.03E-05	-6.55E-04
3.83E+02	-2.58E-04	-1.87E-04	-5.97E-04
3.83E+02	-1.81E-04	-3.13E-04	-6.03E-04
3.83E+02	-1.08E-04	-3.91E-04	-5.05E-04
3.83E+02	-4.29E-05	-4.30E-04	-3.77E-04
3.83E+02	1.53E-06	-4.59E-04	-3.56E-04
3.83E+02	-2.48E-05	-4.55E-04	-3.37E-04
3.83E+02	-6.08E-05	-4.25E-04	-3.11E-04
3.83E+02	-8.68E-05	-3.39E-04	-1.51E-04
3.83E+02	-1.61E-04	-2.23E-04	3.95E-05
3.83E+02	-2.28E-04	-1.19E-04	1.10E-04
3.83E+02	-2.66E-04	8.01E-06	2.91E-04
3.83E+02	-2.95E-04	1.29E-04	4.81E-04
3.83E+02	-2.99E-04	2.13E-04	5.27E-04
3.83E+02	-3.28E-04	2.83E-04	4.63E-04
3.83E+02	-3.07E-04	3.53E-04	2.96E-04
3.83E+02	-1.90E-04	4.31E-04	1.87E-04
3.83E+02	-1.01E-04	4.62E-04	9.59E-05
3.83E+02	-1.74E-05	4.26E-04	-1.32E-05
3.83E+02	8.37E-05	3.94E-04	2.86E-06
3.83E+02	1.53E-04	3.60E-04	1.96E-05
3.83E+02	1.86E-04	2.76E-04	-7.21E-05
3.83E+02	1.20E-04	1.68E-04	-1.70E-04
3.83E+02	4.48E-05	1.12E-04	-2.42E-04
3.83E+02	1.30E-05	1.19E-04	-3.18E-04
3.83E+02	-8.11E-05	1.26E-04	-4.34E-04
3.83E+02	-1.71E-04	1.36E-04	-5.42E-04
3.83E+02	-2.36E-04	1.76E-04	-5.11E-04
3.83E+02	-2.90E-04	2.02E-04	-4.15E-04
3.83E+02	-3.01E-04	1.86E-04	-3.27E-04
3.83E+02	-3.32E-04	1.26E-04	-1.81E-04
3.83E+02	-3.52E-04	6.28E-05	2.98E-05
3.83E+02	-3.17E-04	4.75E-05	2.11E-04
3.83E+02	-3.02E-04	3.66E-05	1.97E-04
3.83E+02	-2.90E-04	3.66E-05	1.00E-04
3.83E+02	-2.33E-04	8.26E-05	1.34E-04
3.83E+02	-1.50E-04	1.24E-04	2.17E-04
3.83E+02	-7.51E-05	1.41E-04	2.60E-04
3.83E+02	-3.70E-05	1.41E-04	2.61E-04
3.83E+02	-4.96E-06	1.42E-04	2.10E-04
3.83E+02	3.36E-05	1.62E-04	1.23E-04
3.83E+02	5.63E-05	1.63E-04	-1.53E-05
3.83E+02	9.14E-05	1.41E-04	-1.61E-04
3.83E+02	1.51E-04	1.32E-04	-2.09E-04
3.83E+02	2.39E-04	1.14E-04	-2.13E-04
3.83E+02	3.25E-04	6.16E-05	-1.79E-04

3.83E+02	3.84E-04	2.48E-05	-4.83E-05
3.83E+02	4.42E-04	-1.54E-05	4.44E-05
3.83E+02	4.82E-04	-8.41E-05	4.88E-05
3.83E+02	4.86E-04	-1.42E-04	1.03E-05
3.83E+02	4.59E-04	-1.74E-04	-6.03E-05
3.83E+02	4.03E-04	-1.41E-04	-2.38E-05
3.83E+02	3.57E-04	-6.94E-05	5.91E-05
3.83E+02	3.21E-04	-2.21E-05	1.95E-05
3.83E+02	2.40E-04	7.25E-06	-6.37E-05
3.83E+02	1.54E-04	3.07E-05	-8.60E-05
3.83E+02	1.39E-04	8.28E-05	-9.54E-06
3.83E+02	1.42E-04	1.32E-04	3.51E-05
3.83E+02	1.32E-04	1.46E-04	-4.86E-05
3.83E+02	1.32E-04	1.64E-04	-1.17E-04
3.83E+02	1.41E-04	1.82E-04	-1.36E-04
3.83E+02	1.69E-04	2.00E-04	-1.32E-04
3.83E+02	1.66E-04	2.34E-04	-7.90E-05
3.83E+02	1.42E-04	2.64E-04	-3.15E-05
3.83E+02	1.83E-04	3.03E-04	1.51E-05
3.83E+02	2.20E-04	3.34E-04	5.30E-05
3.83E+02	2.49E-04	3.34E-04	4.75E-05
3.83E+02	3.23E-04	3.51E-04	1.06E-04
3.83E+02	3.85E-04	3.45E-04	1.60E-04
3.83E+02	4.29E-04	2.90E-04	1.39E-04
3.83E+02	4.44E-04	2.54E-04	1.87E-04
3.83E+02	4.46E-04	2.52E-04	2.91E-04
3.83E+02	4.92E-04	2.95E-04	4.42E-04
3.83E+02	5.31E-04	3.44E-04	5.77E-04
3.83E+02	5.37E-04	3.26E-04	5.21E-04
3.83E+02	5.47E-04	2.91E-04	3.84E-04
3.83E+02	5.78E-04	2.78E-04	3.05E-04
3.83E+02	6.51E-04	2.60E-04	2.48E-04
3.83E+02	6.86E-04	2.26E-04	2.12E-04
3.83E+02	6.54E-04	1.64E-04	1.98E-04
3.83E+02	6.51E-04	9.27E-05	1.91E-04
3.83E+02	6.22E-04	3.03E-05	1.58E-04
3.83E+02	5.35E-04	-4.04E-05	7.46E-05
3.83E+02	4.64E-04	-9.21E-05	4.77E-05
3.83E+02	3.99E-04	-1.19E-04	6.64E-05
3.83E+02	3.37E-04	-1.46E-04	5.72E-06
3.83E+02	2.73E-04	-1.56E-04	-1.41E-05
3.83E+02	2.18E-04	-1.72E-04	4.65E-05
3.83E+02	2.29E-04	-2.04E-04	4.33E-05
3.83E+02	2.51E-04	-2.50E-04	4.50E-05
3.83E+02	2.59E-04	-3.59E-04	2.21E-05
3.83E+02	2.99E-04	-4.89E-04	-3.38E-05
3.83E+02	3.67E-04	-5.80E-04	2.50E-05

3.84E+02	4.66E-04	-6.55E-04	7.65E-05
3.84E+02	5.45E-04	-7.09E-04	1.08E-04
3.84E+02	5.61E-04	-7.46E-04	1.83E-04
3.84E+02	6.25E-04	-7.57E-04	3.16E-04
3.84E+02	7.07E-04	-7.30E-04	4.99E-04
3.84E+02	7.19E-04	-7.14E-04	5.22E-04
3.84E+02	7.44E-04	-7.00E-04	4.74E-04
3.84E+02	7.91E-04	-6.88E-04	4.78E-04
3.84E+02	8.31E-04	-6.89E-04	3.71E-04
3.84E+02	8.36E-04	-6.76E-04	1.88E-04
3.84E+02	8.05E-04	-6.28E-04	7.42E-05
3.84E+02	7.95E-04	-5.32E-04	4.67E-05
3.84E+02	7.39E-04	-4.18E-04	3.01E-05
3.84E+02	6.28E-04	-3.32E-04	-2.10E-06
3.84E+02	5.56E-04	-2.31E-04	-1.13E-05
3.84E+02	4.95E-04	-1.07E-04	-1.72E-05
3.84E+02	4.37E-04	-1.81E-05	-7.53E-05
3.84E+02	3.76E-04	6.41E-05	-1.06E-04
3.84E+02	3.00E-04	1.47E-04	-8.01E-05
3.84E+02	2.68E-04	2.10E-04	-6.85E-05
3.84E+02	2.35E-04	2.81E-04	-1.72E-06
3.84E+02	1.68E-04	3.14E-04	4.06E-05
3.84E+02	8.87E-05	3.03E-04	-3.24E-06
3.84E+02	-2.48E-06	3.09E-04	8.39E-06
3.84E+02	-3.15E-05	3.26E-04	1.30E-05
3.84E+02	-5.34E-05	3.39E-04	-1.07E-05
3.84E+02	-1.26E-04	3.29E-04	-3.91E-05
3.84E+02	-1.49E-04	3.06E-04	-9.38E-05
3.84E+02	-1.42E-04	3.12E-04	-5.36E-05
3.84E+02	-1.63E-04	2.65E-04	-9.31E-05
3.84E+02	-1.81E-04	1.38E-04	-2.50E-04
3.84E+02	-1.96E-04	7.82E-06	-2.66E-04
3.84E+02	-1.77E-04	-1.30E-04	-2.61E-04
3.84E+02	-1.61E-04	-2.52E-04	-2.61E-04
3.84E+02	-1.98E-04	-3.49E-04	-2.09E-04
3.84E+02	-1.70E-04	-4.15E-04	-1.11E-04
3.84E+02	-1.05E-04	-4.37E-04	1.04E-04
3.84E+02	-9.86E-05	-4.91E-04	2.40E-04
3.84E+02	-6.58E-05	-5.41E-04	2.91E-04
3.84E+02	4.22E-05	-5.19E-04	4.06E-04
3.84E+02	1.98E-04	-4.82E-04	4.51E-04
3.84E+02	3.51E-04	-4.67E-04	4.08E-04
3.84E+02	4.82E-04	-4.36E-04	3.58E-04
3.84E+02	6.48E-04	-3.52E-04	3.11E-04
3.84E+02	8.37E-04	-2.24E-04	2.84E-04
3.84E+02	9.90E-04	-1.19E-04	2.35E-04
3.84E+02	1.11E-03	-6.03E-05	2.06E-04

3.84E+02	1.21E-03	4.77E-06	2.98E-04
3.84E+02	1.27E-03	5.66E-05	3.60E-04
3.84E+02	1.23E-03	6.73E-05	3.25E-04
3.84E+02	1.11E-03	7.55E-05	2.77E-04
3.84E+02	9.88E-04	8.28E-05	1.82E-04
3.84E+02	8.70E-04	1.06E-04	1.38E-04
3.84E+02	7.00E-04	1.17E-04	1.40E-04
3.84E+02	5.19E-04	8.05E-05	1.28E-04
3.84E+02	3.31E-04	4.54E-05	1.51E-04
3.84E+02	1.49E-04	-1.96E-05	6.50E-05
3.84E+02	4.96E-06	-1.11E-04	-1.70E-05
3.84E+02	-1.45E-04	-1.84E-04	3.34E-05
3.84E+02	-2.54E-04	-2.34E-04	7.80E-05
3.84E+02	-2.85E-04	-2.31E-04	1.47E-04
3.84E+02	-3.02E-04	-2.16E-04	1.59E-04
3.84E+02	-2.70E-04	-1.99E-04	1.46E-04
3.84E+02	-1.89E-04	-1.61E-04	2.48E-04
3.84E+02	-7.78E-05	-1.49E-04	2.90E-04
3.84E+02	5.32E-05	-1.50E-04	2.62E-04
3.84E+02	1.15E-04	-1.72E-04	2.23E-04
3.84E+02	1.71E-04	-2.30E-04	1.29E-04
3.84E+02	2.53E-04	-2.68E-04	6.52E-05
3.84E+02	2.69E-04	-2.95E-04	2.67E-06
3.84E+02	2.37E-04	-3.22E-04	-6.73E-05
3.84E+02	1.86E-04	-3.01E-04	-5.25E-05
3.84E+02	1.39E-04	-2.50E-04	-6.85E-05
3.84E+02	9.65E-05	-1.87E-04	-1.79E-04
3.84E+02	1.81E-05	-9.44E-05	-2.74E-04
3.84E+02	-2.57E-05	2.27E-05	-2.82E-04
3.84E+02	-2.84E-05	1.70E-04	-1.90E-04
3.84E+02	-5.49E-05	3.08E-04	-1.16E-04
3.84E+02	-6.33E-05	3.95E-04	-1.56E-04
3.84E+02	-4.16E-05	4.74E-04	-1.72E-04
3.84E+02	-1.85E-05	5.47E-04	-6.41E-05
3.84E+02	-4.20E-06	5.81E-04	1.03E-04
3.84E+02	-4.48E-05	5.71E-04	2.06E-04
3.84E+02	-1.15E-04	5.34E-04	1.59E-04
3.84E+02	-1.40E-04	5.26E-04	1.12E-04
3.84E+02	-1.58E-04	5.04E-04	9.73E-05
3.84E+02	-1.65E-04	4.32E-04	6.10E-06
3.84E+02	-1.01E-04	3.92E-04	-1.79E-05
3.84E+02	2.23E-05	3.43E-04	-1.30E-05
3.84E+02	1.77E-04	2.47E-04	-6.33E-05
3.84E+02	2.90E-04	1.43E-04	-1.04E-04
3.84E+02	4.01E-04	4.65E-05	-1.43E-04
3.84E+02	5.47E-04	3.24E-06	-1.09E-04
3.84E+02	6.15E-04	-6.60E-05	-8.16E-05

3.84E+02	6.28E-04	-2.00E-04	-1.05E-04
3.84E+02	6.40E-04	-3.15E-04	-6.18E-05
3.84E+02	6.49E-04	-4.08E-04	-2.67E-05
3.84E+02	6.51E-04	-4.78E-04	-5.46E-05
3.84E+02	6.02E-04	-5.39E-04	-7.86E-05
3.84E+02	5.41E-04	-5.89E-04	-3.68E-05
3.84E+02	5.16E-04	-5.89E-04	4.75E-05
3.84E+02	4.70E-04	-5.66E-04	6.60E-05
3.84E+02	4.02E-04	-5.28E-04	3.15E-05
3.84E+02	3.72E-04	-4.48E-04	9.90E-05
3.84E+02	3.70E-04	-3.75E-04	1.97E-04
3.84E+02	3.55E-04	-3.40E-04	1.44E-04
3.84E+02	3.19E-04	-2.86E-04	4.41E-05
3.84E+02	3.15E-04	-1.96E-04	3.47E-05
3.84E+02	3.38E-04	-9.29E-05	1.07E-04
3.84E+02	3.06E-04	-1.70E-05	1.42E-04
3.84E+02	2.50E-04	1.13E-05	5.70E-05
3.84E+02	1.76E-04	3.15E-05	-8.58E-06
3.84E+02	7.25E-05	6.28E-05	2.10E-06
3.84E+02	-3.09E-05	5.74E-05	1.91E-06
3.84E+02	-1.80E-04	8.20E-06	1.91E-07
3.84E+02	-3.36E-04	-5.65E-05	-2.10E-05
3.84E+02	-4.26E-04	-1.24E-04	-5.19E-05
3.84E+02	-4.98E-04	-1.96E-04	-6.14E-05
3.84E+02	-5.69E-04	-2.84E-04	-1.23E-04
3.84E+02	-6.03E-04	-3.34E-04	-1.52E-04
3.84E+02	-5.89E-04	-3.36E-04	-1.21E-04
3.84E+02	-5.38E-04	-3.34E-04	-1.54E-04
3.84E+02	-5.06E-04	-3.31E-04	-1.75E-04
3.84E+02	-4.86E-04	-3.30E-04	-1.38E-04
3.84E+02	-4.20E-04	-3.08E-04	-1.01E-04
3.84E+02	-3.82E-04	-3.11E-04	-7.71E-05
3.84E+02	-3.90E-04	-3.77E-04	-1.36E-04
3.84E+02	-3.74E-04	-4.17E-04	-2.28E-04
3.84E+02	-3.33E-04	-3.93E-04	-2.44E-04
3.84E+02	-2.70E-04	-3.34E-04	-2.45E-04
3.84E+02	-2.24E-04	-2.50E-04	-2.28E-04
3.84E+02	-1.96E-04	-1.61E-04	-1.73E-04
3.84E+02	-9.44E-05	-4.25E-05	-1.62E-04
3.84E+02	6.87E-06	7.36E-05	-1.76E-04
3.84E+02	6.31E-05	1.24E-04	-2.31E-04
3.84E+02	1.74E-04	1.60E-04	-2.82E-04
3.84E+02	3.14E-04	1.86E-04	-2.58E-04
3.84E+02	4.57E-04	1.78E-04	-2.79E-04
3.84E+02	5.83E-04	1.56E-04	-2.75E-04
3.84E+02	6.48E-04	1.18E-04	-2.22E-04
3.84E+02	7.17E-04	1.07E-04	-2.14E-04

3.84E+02	7.42E-04	9.75E-05	-1.78E-04
3.84E+02	6.79E-04	4.46E-05	-1.89E-04
3.84E+02	6.15E-04	-7.06E-06	-2.33E-04
3.84E+02	5.44E-04	-5.80E-05	-2.41E-04
3.84E+02	4.69E-04	-1.21E-04	-3.23E-04
3.84E+02	3.62E-04	-1.71E-04	-4.24E-04
3.84E+02	2.36E-04	-2.05E-04	-4.43E-04
3.84E+02	1.84E-04	-2.06E-04	-4.13E-04
3.84E+02	1.44E-04	-1.94E-04	-3.63E-04
3.84E+02	9.65E-05	-2.09E-04	-3.10E-04
3.84E+02	6.89E-05	-2.16E-04	-1.79E-04
3.84E+02	5.49E-05	-2.10E-04	2.16E-05
3.84E+02	6.94E-05	-2.24E-04	1.03E-04
3.84E+02	6.92E-05	-2.27E-04	6.58E-05
3.84E+02	5.70E-05	-2.12E-04	3.99E-05
3.84E+02	8.89E-05	-1.76E-04	8.89E-05
3.84E+02	1.22E-04	-1.16E-04	2.03E-04
3.84E+02	1.11E-04	-7.44E-05	2.26E-04
3.84E+02	1.08E-04	-3.41E-05	1.83E-04
3.84E+02	1.12E-04	-1.34E-06	1.83E-04
3.84E+02	1.13E-04	-9.54E-07	1.72E-04
3.84E+02	9.75E-05	-5.91E-06	1.55E-04
3.84E+02	4.84E-05	-3.15E-05	7.59E-05
3.84E+02	3.34E-05	-5.95E-05	-4.73E-05
3.84E+02	1.18E-05	-7.78E-05	-8.51E-05
3.84E+02	-4.58E-05	-1.33E-04	-1.05E-04
3.84E+02	-8.32E-05	-1.79E-04	-1.22E-04
3.84E+02	-1.03E-04	-2.00E-04	-9.75E-05
3.84E+02	-1.00E-04	-2.48E-04	-1.20E-04
3.84E+02	-1.13E-04	-2.98E-04	-1.65E-04
3.84E+02	-1.48E-04	-3.51E-04	-2.44E-04
3.84E+02	-1.27E-04	-3.77E-04	-3.50E-04
3.84E+02	-7.51E-05	-3.38E-04	-3.71E-04
3.84E+02	-7.36E-05	-3.30E-04	-3.68E-04
3.84E+02	-6.45E-05	-3.44E-04	-3.13E-04
3.84E+02	-1.56E-05	-3.17E-04	-1.62E-04
3.84E+02	4.37E-05	-2.94E-04	-4.50E-05
3.84E+02	1.07E-04	-2.83E-04	2.92E-05
3.84E+02	1.50E-04	-3.03E-04	8.66E-05
3.84E+02	2.40E-04	-3.58E-04	9.92E-05
3.84E+02	3.52E-04	-4.07E-04	6.68E-05
3.84E+02	3.93E-04	-4.65E-04	-2.38E-05
3.84E+02	4.26E-04	-5.05E-04	-1.33E-04
3.84E+02	4.67E-04	-4.92E-04	-1.79E-04
3.84E+02	4.99E-04	-4.67E-04	-2.26E-04
3.84E+02	5.01E-04	-4.40E-04	-3.03E-04
3.84E+02	4.44E-04	-3.89E-04	-2.90E-04

3.84E+02	4.01E-04	-3.01E-04	-2.01E-04
3.84E+02	3.63E-04	-1.77E-04	-8.45E-05
3.84E+02	2.64E-04	-7.15E-05	6.68E-06
3.84E+02	1.75E-04	1.18E-05	4.44E-05
3.84E+02	1.21E-04	1.08E-04	1.33E-04
3.84E+02	7.95E-05	1.99E-04	2.10E-04
3.84E+02	5.87E-05	2.81E-04	2.11E-04
3.84E+02	3.07E-05	3.46E-04	1.72E-04
3.84E+02	3.66E-05	4.04E-04	1.52E-04
3.84E+02	9.40E-05	4.58E-04	1.53E-04
3.84E+02	1.01E-04	4.36E-04	2.19E-05
3.84E+02	9.04E-05	3.97E-04	-1.23E-04
3.85E+02	1.20E-04	3.83E-04	-1.40E-04
3.85E+02	1.40E-04	3.28E-04	-1.63E-04
3.85E+02	1.23E-04	2.47E-04	-2.03E-04
3.85E+02	6.90E-05	1.66E-04	-1.89E-04
3.85E+02	3.47E-05	1.11E-04	-1.48E-04
3.85E+02	1.96E-05	8.16E-05	-1.50E-04
3.85E+02	-2.29E-05	3.70E-05	-2.45E-04
3.85E+02	-3.45E-05	1.43E-05	-3.60E-04
3.85E+02	-1.16E-05	4.52E-05	-3.85E-04
3.85E+02	1.89E-05	7.25E-05	-3.98E-04
3.85E+02	4.69E-05	9.27E-05	-3.94E-04
3.85E+02	2.65E-05	1.26E-04	-2.98E-04
3.85E+02	5.53E-06	1.43E-04	-2.60E-04
3.85E+02	-4.58E-06	1.61E-04	-2.86E-04
3.85E+02	-7.00E-05	1.93E-04	-2.77E-04
3.85E+02	-1.47E-04	2.32E-04	-2.60E-04
3.85E+02	-2.01E-04	2.84E-04	-1.69E-04
3.85E+02	-2.39E-04	3.27E-04	-3.68E-05
3.85E+02	-2.49E-04	3.41E-04	5.51E-05
3.85E+02	-2.70E-04	3.33E-04	1.32E-04
3.85E+02	-2.64E-04	3.25E-04	1.92E-04
3.85E+02	-1.84E-04	3.51E-04	2.82E-04
3.85E+02	-1.18E-04	3.68E-04	2.98E-04
3.85E+02	-6.73E-05	3.43E-04	1.83E-04
3.85E+02	1.43E-05	3.33E-04	1.34E-04
3.85E+02	1.14E-04	3.20E-04	6.96E-05
3.85E+02	2.03E-04	2.76E-04	-3.38E-05
3.85E+02	2.40E-04	2.20E-04	-5.46E-05
3.85E+02	2.94E-04	1.72E-04	-7.17E-05
3.85E+02	3.97E-04	1.65E-04	-5.87E-05
3.85E+02	4.71E-04	1.56E-04	-7.06E-05
3.85E+02	5.30E-04	1.39E-04	-1.26E-04
3.85E+02	6.03E-04	1.53E-04	-1.30E-04
3.85E+02	6.75E-04	1.55E-04	-1.41E-04
3.85E+02	7.28E-04	1.44E-04	-1.31E-04

3.85E+02	7.23E-04	1.16E-04	-1.18E-04
3.85E+02	6.96E-04	9.77E-05	-1.05E-04
3.85E+02	6.88E-04	1.16E-04	1.37E-05
3.85E+02	6.34E-04	1.01E-04	1.43E-04
3.85E+02	5.37E-04	5.89E-05	1.95E-04
3.85E+02	4.48E-04	3.05E-05	2.16E-04
3.85E+02	3.58E-04	1.05E-05	1.94E-04
3.85E+02	2.58E-04	5.91E-06	1.62E-04
3.85E+02	1.28E-04	3.81E-06	1.79E-04
3.85E+02	1.34E-05	-6.10E-06	2.15E-04
3.85E+02	-4.04E-05	-2.29E-06	2.70E-04
3.85E+02	-1.03E-04	-9.16E-06	3.16E-04
3.85E+02	-1.60E-04	-4.73E-05	2.99E-04
3.85E+02	-2.00E-04	-7.97E-05	2.74E-04
3.85E+02	-2.14E-04	-9.06E-05	2.46E-04
3.85E+02	-1.82E-04	-8.79E-05	1.39E-04
3.85E+02	-2.12E-04	-1.02E-04	2.46E-05
3.85E+02	-2.59E-04	-1.22E-04	-3.76E-05
3.85E+02	-2.52E-04	-1.09E-04	-6.87E-05
3.85E+02	-3.05E-04	-9.82E-05	-8.09E-05
3.85E+02	-3.92E-04	-1.21E-04	-1.51E-04
3.85E+02	-4.43E-04	-1.40E-04	-1.99E-04
3.85E+02	-4.86E-04	-1.30E-04	-1.69E-04
3.85E+02	-5.16E-04	-8.85E-05	-1.74E-04
3.85E+02	-5.50E-04	-9.92E-06	-1.79E-04
3.85E+02	-5.56E-04	8.56E-05	-1.94E-04
3.85E+02	-4.89E-04	1.91E-04	-2.10E-04
3.85E+02	-4.22E-04	2.84E-04	-1.62E-04
3.85E+02	-3.60E-04	3.34E-04	-1.18E-04
3.85E+02	-2.68E-04	3.59E-04	-4.01E-05
3.85E+02	-2.00E-04	3.46E-04	4.58E-05
3.85E+02	-1.52E-04	2.86E-04	4.08E-05
3.85E+02	-1.58E-04	1.90E-04	1.11E-05
3.85E+02	-2.09E-04	7.67E-05	2.71E-05
3.85E+02	-2.12E-04	8.77E-06	1.00E-04
3.85E+02	-2.25E-04	-6.60E-05	1.35E-04
3.85E+02	-2.63E-04	-1.70E-04	1.05E-04
3.85E+02	-2.62E-04	-2.34E-04	1.14E-04
3.85E+02	-2.30E-04	-2.82E-04	1.51E-04
3.85E+02	-1.83E-04	-3.03E-04	1.80E-04
3.85E+02	-1.53E-04	-3.00E-04	1.97E-04
3.85E+02	-1.35E-04	-2.84E-04	1.71E-04
3.85E+02	-8.14E-05	-2.18E-04	9.35E-05
3.85E+02	-3.72E-05	-1.55E-04	-2.14E-05
3.85E+02	-3.13E-05	-1.12E-04	-1.45E-04
3.85E+02	-2.21E-05	-4.50E-05	-2.18E-04
3.85E+02	-6.68E-06	3.05E-05	-2.17E-04

3.85E+02	-3.43E-06	1.01E-04	-1.83E-04
3.85E+02	-2.77E-05	1.61E-04	-1.18E-04
3.85E+02	-5.89E-05	1.83E-04	-5.51E-05
3.85E+02	-6.73E-05	1.75E-04	-1.95E-05
3.85E+02	-1.14E-04	1.51E-04	-1.77E-05
3.85E+02	-2.05E-04	8.43E-05	-1.04E-04
3.85E+02	-2.80E-04	3.62E-05	-1.40E-04
3.85E+02	-3.54E-04	2.38E-05	-1.16E-04
3.85E+02	-4.34E-04	-9.73E-06	-1.56E-04
3.85E+02	-5.37E-04	-2.77E-05	-1.06E-04
3.85E+02	-6.42E-04	-4.81E-05	2.94E-05
3.85E+02	-6.65E-04	-8.62E-05	1.44E-04
3.85E+02	-6.79E-04	-1.17E-04	2.14E-04
3.85E+02	-7.10E-04	-1.47E-04	1.68E-04
3.85E+02	-7.02E-04	-1.39E-04	9.98E-05
3.85E+02	-6.78E-04	-8.93E-05	9.80E-05
3.85E+02	-6.19E-04	-4.37E-05	8.93E-05
3.85E+02	-5.74E-04	-7.44E-06	7.50E-05
3.85E+02	-5.80E-04	2.42E-05	9.04E-05
3.85E+02	-5.48E-04	8.07E-05	1.30E-04
3.85E+02	-5.08E-04	1.51E-04	1.72E-04
3.85E+02	-5.02E-04	1.85E-04	1.34E-04
3.85E+02	-4.68E-04	2.26E-04	7.67E-05
3.85E+02	-3.88E-04	2.77E-04	8.72E-05
3.85E+02	-2.94E-04	3.09E-04	9.80E-05
3.85E+02	-2.23E-04	3.33E-04	1.18E-04
3.85E+02	-1.70E-04	3.08E-04	1.13E-04
3.85E+02	-7.69E-05	2.65E-04	7.97E-05
3.85E+02	1.34E-06	2.00E-04	5.89E-05
3.85E+02	-6.29E-06	5.34E-05	-5.36E-05
3.85E+02	-4.39E-05	-6.73E-05	-1.75E-04
3.85E+02	-8.13E-05	-1.23E-04	-2.09E-04
3.85E+02	-1.01E-04	-1.67E-04	-2.08E-04
3.85E+02	-1.46E-04	-1.99E-04	-1.22E-04
3.85E+02	-2.40E-04	-2.40E-04	-1.47E-05
3.85E+02	-2.76E-04	-2.48E-04	1.19E-04
3.85E+02	-2.91E-04	-2.20E-04	2.83E-04
3.85E+02	-3.37E-04	-2.40E-04	3.19E-04
3.85E+02	-3.59E-04	-2.63E-04	3.68E-04
3.85E+02	-3.34E-04	-2.54E-04	4.64E-04
3.85E+02	-2.78E-04	-2.46E-04	4.74E-04
3.85E+02	-2.49E-04	-2.24E-04	4.91E-04
3.85E+02	-2.44E-04	-2.15E-04	4.93E-04
3.85E+02	-2.12E-04	-2.21E-04	4.71E-04
3.85E+02	-1.95E-04	-2.03E-04	4.44E-04
3.85E+02	-2.16E-04	-2.44E-04	2.88E-04
3.85E+02	-2.24E-04	-3.30E-04	1.04E-04

3.85E+02	-2.11E-04	-3.84E-04	1.18E-05
3.85E+02	-1.79E-04	-4.61E-04	-1.08E-04
3.85E+02	-1.71E-04	-5.41E-04	-2.22E-04
3.85E+02	-2.17E-04	-5.85E-04	-2.77E-04
3.85E+02	-2.31E-04	-5.83E-04	-3.24E-04
3.85E+02	-2.39E-04	-5.03E-04	-3.09E-04
3.85E+02	-2.69E-04	-4.03E-04	-3.08E-04
3.85E+02	-2.65E-04	-3.17E-04	-3.29E-04
3.85E+02	-2.46E-04	-2.19E-04	-2.48E-04
3.85E+02	-1.97E-04	-1.22E-04	-1.36E-04
3.85E+02	-1.37E-04	-3.47E-05	-5.07E-05
3.85E+02	-1.24E-04	5.15E-05	3.22E-05
3.85E+02	-8.93E-05	1.29E-04	1.43E-04
3.85E+02	-2.12E-05	1.77E-04	2.37E-04
3.85E+02	-9.35E-06	1.70E-04	2.19E-04
3.85E+02	-1.01E-05	1.50E-04	2.23E-04
3.85E+02	1.79E-05	1.43E-04	3.03E-04
3.85E+02	2.75E-05	1.09E-04	2.95E-04
3.85E+02	2.29E-06	6.94E-05	2.11E-04
3.85E+02	-8.58E-05	3.09E-05	1.33E-04
3.85E+02	-1.53E-04	2.14E-05	1.24E-04
3.85E+02	-1.76E-04	5.74E-05	1.86E-04
3.85E+02	-2.43E-04	5.13E-05	1.94E-04
3.85E+02	-2.81E-04	3.62E-05	2.20E-04
3.85E+02	-2.81E-04	4.31E-05	2.96E-04
3.85E+02	-2.75E-04	2.82E-05	3.24E-04
3.85E+02	-2.60E-04	2.78E-05	3.49E-04
3.85E+02	-2.66E-04	4.96E-05	3.20E-04
3.85E+02	-2.44E-04	9.31E-05	1.63E-04
3.85E+02	-2.05E-04	1.60E-04	1.53E-06
3.85E+02	-2.03E-04	1.94E-04	-1.24E-04
3.85E+02	-2.23E-04	2.01E-04	-2.52E-04
3.85E+02	-2.64E-04	2.07E-04	-3.31E-04
3.85E+02	-2.94E-04	1.91E-04	-3.56E-04
3.85E+02	-3.19E-04	1.67E-04	-3.23E-04
3.85E+02	-3.92E-04	1.35E-04	-2.06E-04
3.85E+02	-4.24E-04	1.16E-04	-5.80E-05
3.85E+02	-4.14E-04	1.38E-04	6.29E-05
3.85E+02	-4.40E-04	1.34E-04	1.11E-04
3.85E+02	-4.34E-04	1.16E-04	1.37E-04
3.85E+02	-4.01E-04	1.19E-04	2.22E-04
3.85E+02	-3.38E-04	1.16E-04	3.03E-04
3.85E+02	-2.70E-04	1.19E-04	3.62E-04
3.85E+02	-2.70E-04	9.27E-05	4.40E-04
3.85E+02	-2.57E-04	3.80E-05	5.04E-04
3.85E+02	-2.35E-04	-1.34E-06	5.39E-04
3.85E+02	-2.70E-04	-4.48E-05	5.46E-04

3.85E+02	-3.19E-04	-7.29E-05	5.79E-04
3.85E+02	-3.73E-04	-7.92E-05	6.29E-04
3.85E+02	-4.25E-04	-9.54E-05	5.43E-04
3.85E+02	-4.60E-04	-1.10E-04	3.72E-04
3.85E+02	-4.95E-04	-1.17E-04	2.18E-04
3.85E+02	-4.94E-04	-1.28E-04	7.06E-05
3.85E+02	-4.55E-04	-1.22E-04	4.01E-06
3.85E+02	-4.20E-04	-1.35E-04	-7.72E-05
3.85E+02	-3.77E-04	-1.75E-04	-2.04E-04
3.85E+02	-3.20E-04	-1.87E-04	-2.04E-04
3.85E+02	-2.26E-04	-2.04E-04	-1.49E-04
3.85E+02	-1.17E-04	-2.22E-04	-1.22E-04
3.85E+02	-7.29E-05	-2.38E-04	-1.59E-04
3.85E+02	-1.72E-05	-2.51E-04	-2.59E-04
3.85E+02	1.05E-04	-2.04E-04	-2.48E-04
3.85E+02	2.03E-04	-1.46E-04	-1.47E-04
3.85E+02	2.93E-04	-1.07E-04	-6.89E-05
3.85E+02	3.89E-04	-5.93E-05	2.98E-05
3.85E+02	4.85E-04	-1.30E-05	9.59E-05
3.85E+02	5.78E-04	2.38E-05	8.75E-05
3.85E+02	6.17E-04	5.91E-05	1.42E-04
3.85E+02	6.60E-04	1.16E-04	2.78E-04
3.85E+02	7.01E-04	1.84E-04	4.03E-04
3.85E+02	6.51E-04	2.25E-04	4.60E-04
3.86E+02	5.51E-04	2.20E-04	4.02E-04
3.86E+02	4.50E-04	2.07E-04	3.34E-04
3.86E+02	3.71E-04	2.18E-04	3.26E-04
3.86E+02	3.02E-04	2.21E-04	3.25E-04
3.86E+02	1.96E-04	2.12E-04	3.12E-04
3.86E+02	1.07E-04	1.99E-04	2.45E-04
3.86E+02	9.06E-05	2.08E-04	1.74E-04
3.86E+02	7.34E-05	1.93E-04	8.14E-05
3.86E+02	5.15E-05	1.22E-04	-8.54E-05
3.86E+02	7.50E-05	6.96E-05	-1.69E-04
3.86E+02	1.12E-04	8.96E-06	-2.22E-04
3.86E+02	1.66E-04	-5.11E-05	-3.57E-04
3.86E+02	1.99E-04	-6.39E-05	-4.11E-04
3.86E+02	2.14E-04	-7.23E-05	-3.81E-04
3.86E+02	2.50E-04	-5.89E-05	-3.10E-04
3.86E+02	2.19E-04	-5.68E-05	-2.20E-04
3.86E+02	1.59E-04	-9.50E-05	-2.02E-04
3.86E+02	1.46E-04	-1.03E-04	-1.44E-04
3.86E+02	1.49E-04	-9.37E-05	-4.37E-05
3.86E+02	1.58E-04	-8.81E-05	2.92E-05
3.86E+02	1.27E-04	-7.55E-05	1.69E-04
3.86E+02	8.70E-05	-7.90E-05	3.15E-04
3.86E+02	1.02E-04	-8.72E-05	4.30E-04

3.86E+02	8.74E-05	-1.14E-04	5.21E-04
3.86E+02	4.39E-05	-1.56E-04	5.19E-04
3.86E+02	2.88E-05	-1.67E-04	5.06E-04
3.86E+02	2.38E-05	-1.47E-04	5.18E-04
3.86E+02	5.66E-05	-9.54E-05	5.18E-04
3.86E+02	6.79E-05	-4.08E-05	4.85E-04
3.86E+02	4.52E-05	7.63E-07	3.94E-04
3.86E+02	6.90E-05	8.43E-05	2.94E-04
3.86E+02	7.21E-05	1.63E-04	1.46E-04
3.86E+02	5.42E-05	2.00E-04	-5.66E-05
3.86E+02	7.17E-05	2.45E-04	-2.18E-04
3.86E+02	1.02E-04	2.92E-04	-3.49E-04
3.86E+02	1.40E-04	3.49E-04	-4.36E-04
3.86E+02	1.43E-04	4.08E-04	-4.68E-04
3.86E+02	1.22E-04	4.43E-04	-5.16E-04
3.86E+02	1.40E-04	4.77E-04	-5.76E-04
3.86E+02	1.55E-04	4.95E-04	-6.16E-04
3.86E+02	1.53E-04	4.76E-04	-6.34E-04
3.86E+02	1.80E-04	4.68E-04	-5.76E-04
3.86E+02	2.28E-04	4.77E-04	-4.34E-04
3.86E+02	2.73E-04	4.78E-04	-3.24E-04
3.86E+02	2.66E-04	4.76E-04	-2.32E-04
3.86E+02	2.17E-04	4.60E-04	-8.60E-05
3.86E+02	1.98E-04	4.43E-04	2.19E-05
3.86E+02	1.67E-04	4.20E-04	5.47E-05
3.86E+02	9.73E-05	3.69E-04	1.06E-04
3.86E+02	5.57E-05	3.35E-04	2.44E-04
3.86E+02	3.78E-05	3.15E-04	4.16E-04
3.86E+02	2.27E-05	2.96E-04	5.06E-04
3.86E+02	-7.63E-06	2.89E-04	5.33E-04
3.86E+02	-5.55E-05	2.69E-04	5.27E-04
3.86E+02	-4.56E-05	2.46E-04	4.79E-04
3.86E+02	0.00E+00	2.27E-04	4.50E-04
3.86E+02	2.25E-05	1.78E-04	3.48E-04
3.86E+02	5.09E-05	1.29E-04	1.95E-04
3.86E+02	1.10E-04	9.78E-05	1.20E-04
3.86E+02	2.01E-04	4.65E-05	-2.10E-05
3.86E+02	2.72E-04	-1.45E-05	-1.93E-04
3.86E+02	3.14E-04	-5.95E-05	-2.64E-04
3.86E+02	3.94E-04	-7.00E-05	-2.97E-04
3.86E+02	4.54E-04	-6.28E-05	-3.57E-04
3.86E+02	4.63E-04	-6.37E-05	-4.81E-04
3.86E+02	5.03E-04	-4.43E-05	-5.40E-04
3.86E+02	5.35E-04	1.03E-05	-4.68E-04
3.86E+02	5.33E-04	8.81E-05	-3.83E-04
3.86E+02	4.95E-04	1.64E-04	-3.16E-04
3.86E+02	4.06E-04	2.21E-04	-2.84E-04

3.86E+02	3.45E-04	2.74E-04	-3.12E-04
3.86E+02	2.86E-04	3.04E-04	-3.36E-04
3.86E+02	1.81E-04	2.97E-04	-3.13E-04
3.86E+02	1.04E-04	3.15E-04	-1.80E-04
3.86E+02	4.77E-05	3.55E-04	7.53E-05
3.86E+02	1.79E-05	3.58E-04	2.72E-04
3.86E+02	-3.43E-06	3.41E-04	3.69E-04
3.86E+02	-5.74E-05	3.33E-04	4.41E-04
3.86E+02	-5.78E-05	3.54E-04	4.24E-04
3.86E+02	-3.85E-05	4.08E-04	3.44E-04
3.86E+02	-6.75E-05	4.43E-04	1.73E-04
3.86E+02	-6.98E-05	4.65E-04	-4.33E-05
3.86E+02	-3.89E-05	4.84E-04	-1.27E-04
3.86E+02	9.92E-06	4.56E-04	-1.23E-04
3.86E+02	2.92E-05	3.60E-04	-6.16E-05
3.86E+02	-4.20E-06	2.20E-04	-1.91E-07
3.86E+02	-1.72E-06	1.09E-04	-2.33E-05
3.86E+02	7.63E-07	7.19E-05	-8.07E-05
3.86E+02	-4.10E-05	8.30E-05	-2.26E-04
3.86E+02	-6.87E-05	1.43E-04	-3.63E-04
3.86E+02	-7.25E-05	2.52E-04	-3.57E-04
3.86E+02	-6.58E-05	3.55E-04	-3.07E-04
3.86E+02	-8.34E-05	4.20E-04	-2.13E-04
3.86E+02	-1.48E-04	4.30E-04	-1.18E-04
3.86E+02	-2.00E-04	4.11E-04	-1.12E-04
3.86E+02	-2.35E-04	4.06E-04	-1.42E-04
3.86E+02	-3.19E-04	3.61E-04	-2.44E-04
3.86E+02	-4.07E-04	3.04E-04	-3.68E-04
3.86E+02	-4.54E-04	3.06E-04	-3.85E-04
3.86E+02	-4.82E-04	3.28E-04	-3.36E-04
3.86E+02	-5.10E-04	3.33E-04	-2.50E-04
3.86E+02	-5.58E-04	2.86E-04	-1.04E-04
3.86E+02	-5.62E-04	2.20E-04	7.42E-05
3.86E+02	-5.18E-04	1.78E-04	2.03E-04
3.86E+02	-4.98E-04	1.34E-04	2.06E-04
3.86E+02	-4.67E-04	1.16E-04	1.27E-04
3.86E+02	-4.05E-04	1.26E-04	7.76E-05
3.86E+02	-3.23E-04	1.38E-04	5.53E-05
3.86E+02	-2.46E-04	1.49E-04	2.73E-05
3.86E+02	-2.00E-04	1.45E-04	2.73E-05
3.86E+02	-1.23E-04	1.50E-04	4.86E-05
3.86E+02	-2.21E-05	1.67E-04	9.19E-05
3.86E+02	3.28E-05	1.45E-04	8.13E-05
3.86E+02	7.04E-05	8.62E-05	-1.91E-07
3.86E+02	9.94E-05	4.44E-05	1.91E-07
3.86E+02	1.21E-04	2.29E-06	2.19E-05
3.86E+02	1.15E-04	-7.02E-05	4.77E-06

3.86E+02	3.76E-05	-1.52E-04	-4.96E-06
3.86E+02	-1.60E-05	-2.27E-04	-1.45E-05
3.86E+02	-4.73E-05	-2.70E-04	2.29E-05
3.86E+02	-1.34E-04	-3.18E-04	-9.54E-07
3.86E+02	-2.19E-04	-3.62E-04	-8.87E-05
3.86E+02	-2.90E-04	-3.41E-04	-8.83E-05
3.86E+02	-3.20E-04	-2.97E-04	-6.20E-05
3.86E+02	-3.35E-04	-2.52E-04	-2.12E-05
3.86E+02	-3.82E-04	-1.89E-04	6.81E-05
3.86E+02	-3.74E-04	-1.04E-04	1.61E-04
3.86E+02	-3.37E-04	-4.39E-06	2.42E-04
3.86E+02	-3.19E-04	6.45E-05	2.25E-04
3.86E+02	-2.50E-04	1.05E-04	9.67E-05
3.86E+02	-1.44E-04	1.48E-04	-1.93E-05
3.86E+02	-3.43E-06	1.85E-04	-1.27E-04
3.86E+02	1.47E-04	1.98E-04	-2.43E-04
3.86E+02	2.28E-04	1.96E-04	-2.82E-04
3.86E+02	3.00E-04	1.98E-04	-2.67E-04
3.86E+02	3.72E-04	2.17E-04	-2.39E-04
3.86E+02	3.67E-04	2.40E-04	-2.32E-04
3.86E+02	3.35E-04	2.50E-04	-3.05E-04
3.86E+02	3.13E-04	2.86E-04	-3.30E-04
3.86E+02	2.87E-04	3.33E-04	-3.19E-04
3.86E+02	2.67E-04	3.47E-04	-3.32E-04
3.86E+02	2.20E-04	3.51E-04	-2.35E-04
3.86E+02	1.55E-04	3.14E-04	-1.14E-04
3.86E+02	1.01E-04	2.69E-04	6.48E-06
3.86E+02	1.26E-05	2.26E-04	1.11E-04
3.86E+02	-8.64E-05	1.51E-04	1.02E-04
3.86E+02	-1.55E-04	9.88E-05	1.23E-04
3.86E+02	-2.17E-04	4.92E-05	1.37E-04
3.86E+02	-2.57E-04	4.01E-06	1.56E-04
3.86E+02	-2.98E-04	-2.19E-05	2.39E-04
3.86E+02	-3.14E-04	-6.45E-05	2.46E-04
3.86E+02	-2.69E-04	-8.68E-05	2.55E-04
3.86E+02	-2.44E-04	-1.19E-04	2.40E-04
3.86E+02	-2.07E-04	-1.81E-04	1.45E-04
3.86E+02	-1.32E-04	-2.18E-04	9.08E-05
3.86E+02	-4.92E-05	-2.43E-04	-2.88E-05
3.86E+02	4.69E-05	-2.56E-04	-2.14E-04
3.86E+02	9.02E-05	-2.56E-04	-3.42E-04
3.86E+02	1.13E-04	-2.56E-04	-4.44E-04
3.86E+02	1.51E-04	-2.28E-04	-4.87E-04
3.86E+02	1.49E-04	-2.16E-04	-4.95E-04
3.86E+02	1.48E-04	-2.60E-04	-5.16E-04
3.86E+02	1.65E-04	-3.06E-04	-4.39E-04
3.86E+02	1.83E-04	-3.57E-04	-3.33E-04

3.86E+02	1.99E-04	-4.18E-04	-2.88E-04
3.86E+02	1.72E-04	-4.80E-04	-2.06E-04
3.86E+02	1.24E-04	-5.54E-04	-1.28E-04
3.86E+02	1.03E-04	-5.90E-04	-8.14E-05
3.86E+02	6.52E-05	-5.94E-04	-7.06E-05
3.86E+02	1.51E-05	-5.76E-04	-1.09E-04
3.86E+02	1.07E-05	-5.00E-04	-3.64E-05
3.86E+02	2.27E-05	-4.34E-04	1.15E-04
3.86E+02	3.17E-05	-3.93E-04	2.21E-04
3.86E+02	8.77E-06	-3.67E-04	2.62E-04
3.86E+02	-4.33E-05	-3.54E-04	2.02E-04
3.86E+02	-6.89E-05	-3.18E-04	1.22E-04
3.86E+02	-1.15E-04	-2.94E-04	1.53E-06
3.86E+02	-1.78E-04	-2.93E-04	-2.06E-04
3.86E+02	-1.97E-04	-2.56E-04	-3.40E-04
3.86E+02	-1.74E-04	-1.86E-04	-3.58E-04
3.86E+02	-1.33E-04	-1.26E-04	-3.51E-04
3.86E+02	-1.21E-04	-6.16E-05	-3.36E-04
3.86E+02	-9.63E-05	5.13E-05	-2.67E-04
3.86E+02	-3.01E-05	1.86E-04	-1.69E-04
3.86E+02	-1.03E-05	2.87E-04	-1.36E-04
3.86E+02	-5.91E-06	3.77E-04	-1.83E-04
3.86E+02	1.66E-05	5.06E-04	-1.75E-04
3.86E+02	3.93E-05	6.38E-04	-8.26E-05
3.86E+02	6.87E-05	7.27E-04	2.06E-05
3.86E+02	3.15E-05	7.76E-04	1.70E-04
3.86E+02	-4.25E-05	8.13E-04	3.34E-04
3.86E+02	-7.86E-05	8.71E-04	4.89E-04
3.86E+02	-1.54E-04	9.10E-04	5.91E-04
3.86E+02	-2.61E-04	9.01E-04	5.48E-04
3.86E+02	-3.22E-04	9.04E-04	4.76E-04
3.86E+02	-3.55E-04	9.13E-04	4.18E-04
3.86E+02	-3.67E-04	8.90E-04	3.42E-04
3.86E+02	-3.89E-04	8.24E-04	2.71E-04
3.86E+02	-4.11E-04	7.13E-04	1.68E-04
3.86E+02	-3.73E-04	6.04E-04	6.43E-05
3.87E+02	-3.34E-04	4.96E-04	-9.35E-06
3.87E+02	-3.07E-04	3.59E-04	-1.05E-04
3.87E+02	-2.54E-04	2.54E-04	-1.09E-04
3.87E+02	-1.95E-04	1.89E-04	-4.22E-05
3.87E+02	-1.40E-04	1.13E-04	-9.90E-05
3.87E+02	-1.53E-04	1.79E-05	-1.84E-04
3.87E+02	-1.97E-04	-8.35E-05	-2.29E-04
3.87E+02	-1.99E-04	-1.44E-04	-2.70E-04
3.87E+02	-2.29E-04	-1.93E-04	-3.04E-04
3.87E+02	-2.79E-04	-2.63E-04	-3.72E-04
3.87E+02	-3.09E-04	-3.16E-04	-3.52E-04

3.87E+02	-3.40E-04	-3.34E-04	-2.55E-04
3.87E+02	-3.52E-04	-3.28E-04	-2.48E-04
3.87E+02	-3.65E-04	-2.98E-04	-2.54E-04
3.87E+02	-3.76E-04	-2.40E-04	-2.03E-04
3.87E+02	-3.29E-04	-1.45E-04	-8.96E-05
3.87E+02	-2.74E-04	-3.20E-05	6.64E-05
3.87E+02	-2.35E-04	4.83E-05	1.14E-04
3.87E+02	-1.61E-04	1.16E-04	1.19E-04
3.87E+02	-6.50E-05	1.72E-04	2.06E-04
3.87E+02	3.76E-05	1.73E-04	2.15E-04
3.87E+02	1.19E-04	1.46E-04	1.91E-04
3.87E+02	1.69E-04	1.17E-04	2.32E-04
3.87E+02	2.51E-04	1.07E-04	2.56E-04
3.87E+02	3.06E-04	9.23E-05	2.26E-04
3.87E+02	2.93E-04	1.74E-05	7.93E-05
3.87E+02	2.86E-04	-5.05E-05	-4.01E-05
3.87E+02	2.69E-04	-7.42E-05	-3.07E-05
3.87E+02	2.30E-04	-1.01E-04	-7.06E-05
3.87E+02	1.71E-04	-1.06E-04	-9.67E-05
3.87E+02	8.95E-05	-6.64E-05	-2.86E-05
3.87E+02	5.40E-05	9.35E-06	4.71E-05
3.87E+02	3.19E-05	9.59E-05	1.34E-04
3.87E+02	-4.98E-05	1.22E-04	1.30E-04
3.87E+02	-1.32E-04	1.36E-04	8.01E-05
3.87E+02	-1.75E-04	1.83E-04	1.39E-04
3.87E+02	-2.00E-04	1.93E-04	1.48E-04
3.87E+02	-2.26E-04	1.87E-04	1.19E-04
3.87E+02	-2.73E-04	1.84E-04	1.55E-04
3.87E+02	-2.76E-04	1.94E-04	2.19E-04
3.87E+02	-2.43E-04	2.35E-04	3.41E-04
3.87E+02	-2.49E-04	2.58E-04	3.93E-04
3.87E+02	-2.38E-04	2.86E-04	3.37E-04
3.87E+02	-1.89E-04	3.36E-04	2.85E-04
3.87E+02	-1.30E-04	3.62E-04	1.70E-04
3.87E+02	-9.37E-05	3.74E-04	4.12E-05
3.87E+02	-9.98E-05	3.79E-04	-2.52E-05
3.87E+02	-8.16E-05	3.92E-04	-6.45E-05
3.87E+02	-7.88E-05	4.22E-04	-6.08E-05
3.87E+02	-1.46E-04	4.15E-04	-7.42E-05
3.87E+02	-1.88E-04	3.65E-04	-9.56E-05
3.87E+02	-1.91E-04	2.97E-04	-6.29E-05
3.87E+02	-1.66E-04	2.02E-04	-8.45E-05
3.87E+02	-1.27E-04	9.77E-05	-1.12E-04
3.87E+02	-1.06E-04	1.83E-05	-4.96E-05
3.87E+02	-1.96E-05	-1.09E-05	3.43E-06
3.87E+02	8.07E-05	-6.48E-06	6.12E-05
3.87E+02	1.38E-04	-2.27E-05	9.46E-05

3.87E+02	2.05E-04	-6.89E-05	6.66E-05
3.87E+02	2.53E-04	-1.11E-04	1.06E-04
3.87E+02	3.02E-04	-1.29E-04	1.76E-04
3.87E+02	3.39E-04	-1.36E-04	2.08E-04
3.87E+02	3.28E-04	-1.46E-04	2.26E-04
3.87E+02	3.41E-04	-1.25E-04	2.50E-04
3.87E+02	3.61E-04	-8.54E-05	3.09E-04
3.87E+02	3.37E-04	-7.74E-05	2.79E-04
3.87E+02	3.07E-04	-7.61E-05	1.76E-04
3.87E+02	2.89E-04	-6.81E-05	1.32E-04
3.87E+02	2.97E-04	-9.54E-05	3.20E-05
3.87E+02	3.09E-04	-1.50E-04	-9.92E-05
3.87E+02	2.92E-04	-2.13E-04	-1.41E-04
3.87E+02	3.01E-04	-2.55E-04	-1.30E-04
3.87E+02	3.16E-04	-2.68E-04	-1.13E-04
3.87E+02	2.82E-04	-2.94E-04	-1.69E-04
3.87E+02	2.46E-04	-2.90E-04	-2.40E-04
3.87E+02	2.21E-04	-2.18E-04	-2.20E-04
3.87E+02	2.23E-04	-1.33E-04	-1.89E-04
3.87E+02	2.43E-04	-6.12E-05	-1.87E-04
3.87E+02	2.20E-04	-2.27E-05	-1.73E-04
3.87E+02	2.03E-04	-2.67E-06	-1.30E-04
3.87E+02	2.05E-04	1.45E-05	-4.65E-05
3.87E+02	1.43E-04	-1.51E-05	2.19E-05
3.87E+02	6.64E-05	-6.58E-05	3.68E-05
3.87E+02	1.91E-05	-8.43E-05	6.22E-05
3.87E+02	-2.10E-06	-7.19E-05	5.19E-05
3.87E+02	9.16E-06	-2.38E-05	-2.14E-05
3.87E+02	9.54E-07	4.84E-05	-6.90E-05
3.87E+02	2.78E-05	1.36E-04	-6.58E-05
3.87E+02	1.03E-04	2.12E-04	1.30E-05
3.87E+02	1.37E-04	2.11E-04	6.75E-05
3.87E+02	1.76E-04	1.37E-04	1.49E-05
3.87E+02	2.35E-04	3.20E-05	-3.24E-05
3.87E+02	2.78E-04	-8.54E-05	-9.35E-05
3.87E+02	2.95E-04	-1.91E-04	-1.80E-04
3.87E+02	2.57E-04	-2.66E-04	-2.15E-04
3.87E+02	2.39E-04	-2.98E-04	-2.57E-04
3.87E+02	2.84E-04	-2.70E-04	-2.94E-04
3.87E+02	3.04E-04	-2.25E-04	-3.18E-04
3.87E+02	3.08E-04	-1.94E-04	-3.58E-04
3.87E+02	3.28E-04	-1.51E-04	-3.15E-04
3.87E+02	3.38E-04	-1.55E-04	-2.84E-04
3.87E+02	3.48E-04	-2.02E-04	-3.19E-04
3.87E+02	3.30E-04	-2.69E-04	-3.07E-04
3.87E+02	2.99E-04	-3.51E-04	-2.47E-04
3.87E+02	2.74E-04	-3.67E-04	-9.25E-05

3.87E+02	1.94E-04	-3.68E-04	7.86E-05
3.87E+02	1.04E-04	-3.90E-04	1.91E-04
3.87E+02	4.08E-05	-4.14E-04	3.28E-04
3.87E+02	3.24E-06	-4.62E-04	4.34E-04
3.87E+02	-1.72E-05	-5.08E-04	4.62E-04
3.87E+02	-5.89E-05	-5.51E-04	4.34E-04
3.87E+02	-7.51E-05	-5.67E-04	3.40E-04
3.87E+02	-5.09E-05	-5.37E-04	2.46E-04
3.87E+02	-5.46E-05	-5.12E-04	1.86E-04
3.87E+02	-6.14E-05	-4.84E-04	1.24E-04
3.87E+02	-4.65E-05	-4.42E-04	1.07E-04
3.87E+02	-1.39E-05	-4.25E-04	7.76E-05
3.87E+02	4.86E-05	-4.16E-04	-1.49E-05
3.87E+02	6.64E-05	-4.17E-04	-9.10E-05
3.87E+02	6.33E-05	-4.21E-04	-1.65E-04
3.87E+02	9.25E-05	-3.56E-04	-2.10E-04
3.87E+02	5.46E-05	-2.84E-04	-2.67E-04
3.87E+02	-2.98E-05	-2.51E-04	-3.86E-04
3.87E+02	-9.02E-05	-1.75E-04	-3.88E-04
3.87E+02	-1.19E-04	-5.80E-05	-2.98E-04
3.87E+02	-1.15E-04	4.50E-05	-2.54E-04
3.87E+02	-1.48E-04	1.14E-04	-2.32E-04
3.87E+02	-1.80E-04	1.55E-04	-2.32E-04
3.87E+02	-1.54E-04	1.92E-04	-1.77E-04
3.87E+02	-1.64E-04	2.04E-04	-6.77E-05
3.87E+02	-1.94E-04	1.77E-04	-3.28E-05
3.87E+02	-2.02E-04	1.48E-04	-8.96E-06
3.87E+02	-1.96E-04	1.17E-04	3.32E-05
3.87E+02	-1.58E-04	7.10E-05	6.81E-05
3.87E+02	-1.59E-04	2.17E-05	1.59E-04
3.87E+02	-1.74E-04	-5.72E-06	2.32E-04
3.87E+02	-1.39E-04	-1.39E-05	2.51E-04
3.87E+02	-1.59E-04	-4.46E-05	2.19E-04
3.87E+02	-2.16E-04	-1.12E-04	1.13E-04
3.87E+02	-2.43E-04	-1.62E-04	9.25E-05
3.87E+02	-2.59E-04	-1.60E-04	1.64E-04
3.87E+02	-2.60E-04	-1.55E-04	1.71E-04
3.87E+02	-2.93E-04	-1.42E-04	1.77E-04
3.87E+02	-3.02E-04	-1.09E-04	1.53E-04
3.87E+02	-2.52E-04	-6.48E-05	9.63E-05
3.87E+02	-2.32E-04	4.58E-06	1.09E-04
3.87E+02	-2.18E-04	4.31E-05	1.10E-04
3.87E+02	-1.94E-04	6.20E-05	1.57E-04
3.87E+02	-1.56E-04	7.84E-05	2.28E-04
3.87E+02	-7.13E-05	4.39E-05	1.69E-04
3.87E+02	-2.33E-05	-3.49E-05	6.87E-05
3.87E+02	-7.63E-06	-1.39E-04	-1.95E-05

3.87E+02	4.01E-05	-2.03E-04	-4.02E-05
3.87E+02	2.75E-05	-2.16E-04	-2.98E-05
3.87E+02	-3.66E-05	-2.19E-04	-1.28E-04
3.87E+02	-8.45E-05	-1.80E-04	-2.02E-04
3.87E+02	-1.47E-04	-1.36E-04	-2.18E-04
3.87E+02	-2.05E-04	-1.27E-04	-2.42E-04
3.87E+02	-3.01E-04	-1.65E-04	-2.38E-04
3.87E+02	-4.07E-04	-2.59E-04	-2.53E-04
3.87E+02	-4.08E-04	-3.31E-04	-2.34E-04
3.87E+02	-3.76E-04	-3.84E-04	-1.81E-04
3.87E+02	-3.28E-04	-4.78E-04	-1.93E-04
3.87E+02	-2.18E-04	-5.49E-04	-1.69E-04
3.87E+02	-8.37E-05	-5.76E-04	-8.75E-05
3.87E+02	4.92E-05	-6.09E-04	-3.62E-05
3.87E+02	1.21E-04	-6.37E-04	3.55E-05
3.87E+02	1.29E-04	-6.65E-04	1.20E-04
3.87E+02	1.40E-04	-6.57E-04	2.04E-04
3.87E+02	1.03E-04	-6.40E-04	2.73E-04
3.87E+02	2.57E-05	-6.79E-04	2.44E-04
3.87E+02	-4.20E-05	-6.95E-04	2.26E-04
3.87E+02	-1.16E-04	-6.63E-04	2.42E-04
3.87E+02	-1.58E-04	-6.03E-04	1.72E-04
3.87E+02	-2.12E-04	-5.05E-04	4.63E-05
3.87E+02	-2.71E-04	-3.97E-04	-8.26E-05
3.87E+02	-2.37E-04	-2.75E-04	-1.54E-04
3.87E+02	-1.83E-04	-1.74E-04	-1.62E-04
3.87E+02	-1.36E-04	-1.29E-04	-1.66E-04
3.87E+02	-5.82E-05	-8.54E-05	-9.88E-05
3.87E+02	1.66E-05	-4.31E-05	1.89E-05
3.87E+02	1.03E-04	-1.58E-05	6.16E-05
3.87E+02	1.72E-04	2.00E-05	1.17E-04
3.87E+02	2.00E-04	5.63E-05	2.26E-04
3.87E+02	2.50E-04	1.05E-04	3.25E-04
3.87E+02	2.88E-04	1.38E-04	4.06E-04
3.87E+02	2.85E-04	1.05E-04	3.97E-04
3.87E+02	2.81E-04	5.21E-05	3.34E-04
3.87E+02	2.69E-04	4.77E-06	2.96E-04
3.87E+02	2.66E-04	-4.37E-05	2.24E-04
3.87E+02	2.49E-04	-9.61E-05	1.17E-04
3.87E+02	1.97E-04	-1.66E-04	1.45E-05
3.87E+02	1.87E-04	-2.15E-04	-4.96E-05
3.87E+02	1.91E-04	-2.44E-04	-5.65E-05
3.87E+02	1.41E-04	-3.01E-04	-9.02E-05
3.87E+02	9.44E-05	-3.51E-04	-1.27E-04
3.87E+02	5.70E-05	-3.76E-04	-1.45E-04
3.87E+02	2.90E-05	-4.07E-04	-2.46E-04
3.87E+02	-8.96E-06	-4.19E-04	-3.55E-04

3.87E+02	-1.05E-04	-4.17E-04	-3.93E-04
3.88E+02	-1.63E-04	-3.84E-04	-3.93E-04
3.88E+02	-1.96E-04	-2.94E-04	-3.75E-04
3.88E+02	-2.78E-04	-2.20E-04	-4.03E-04
3.88E+02	-3.32E-04	-1.59E-04	-4.23E-04
3.88E+02	-3.45E-04	-9.84E-05	-3.63E-04
3.88E+02	-3.39E-04	-7.27E-05	-2.91E-04
3.88E+02	-3.32E-04	-6.41E-05	-2.01E-04
3.88E+02	-3.44E-04	-9.84E-05	-1.17E-04
3.88E+02	-3.05E-04	-1.58E-04	-5.26E-05
3.88E+02	-2.20E-04	-1.92E-04	8.51E-05
3.88E+02	-1.61E-04	-2.58E-04	2.02E-04
3.88E+02	-8.75E-05	-3.31E-04	2.86E-04
3.88E+02	-3.62E-06	-3.59E-04	4.05E-04
3.88E+02	7.97E-05	-3.72E-04	4.13E-04
3.88E+02	1.39E-04	-3.70E-04	3.18E-04
3.88E+02	1.36E-04	-3.48E-04	2.14E-04
3.88E+02	1.49E-04	-2.95E-04	1.10E-04
3.88E+02	1.28E-04	-2.30E-04	1.72E-05
3.88E+02	4.14E-05	-1.92E-04	-1.20E-04
3.88E+02	-4.14E-05	-1.76E-04	-2.41E-04
3.88E+02	-1.14E-04	-1.66E-04	-2.53E-04
3.88E+02	-1.34E-04	-1.50E-04	-2.35E-04
3.88E+02	-1.55E-04	-1.26E-04	-2.01E-04
3.88E+02	-2.01E-04	-8.05E-05	-1.29E-04
3.88E+02	-1.82E-04	-3.62E-06	-6.12E-05
3.88E+02	-1.39E-04	7.88E-05	-3.43E-06
3.88E+02	-1.20E-04	1.16E-04	9.54E-06
3.88E+02	-1.05E-04	1.11E-04	7.25E-06
3.88E+02	-8.60E-05	9.56E-05	9.00E-05
3.88E+02	-6.71E-05	4.58E-05	1.78E-04
3.88E+02	-6.89E-05	-4.20E-05	2.12E-04
3.88E+02	-1.19E-04	-1.23E-04	2.59E-04
3.88E+02	-1.71E-04	-1.52E-04	3.15E-04
3.88E+02	-2.01E-04	-1.40E-04	3.60E-04
3.88E+02	-2.60E-04	-1.48E-04	3.32E-04
3.88E+02	-3.25E-04	-1.75E-04	2.29E-04
3.88E+02	-3.55E-04	-1.89E-04	1.38E-04
3.88E+02	-3.64E-04	-2.17E-04	1.98E-05
3.88E+02	-3.67E-04	-2.48E-04	-8.70E-05
3.88E+02	-3.81E-04	-2.68E-04	-1.19E-04
3.88E+02	-3.53E-04	-2.77E-04	-1.18E-04
3.88E+02	-2.70E-04	-2.56E-04	-6.87E-05
3.88E+02	-2.15E-04	-2.77E-04	-3.13E-05
3.88E+02	-1.84E-04	-3.63E-04	-2.99E-05
3.88E+02	-1.48E-04	-4.33E-04	2.52E-05
3.88E+02	-1.06E-04	-4.94E-04	3.53E-05

3.88E+02	-6.20E-05	-5.29E-04	-4.65E-05
3.88E+02	-4.86E-05	-4.90E-04	-1.12E-04
3.88E+02	-1.91E-07	-3.92E-04	-1.49E-04
3.88E+02	9.48E-05	-2.44E-04	-1.28E-04
3.88E+02	1.45E-04	-1.18E-04	-1.15E-04
3.88E+02	1.89E-04	-6.64E-05	-1.59E-04
3.88E+02	2.33E-04	-5.32E-05	-1.38E-04
3.88E+02	2.47E-04	-8.16E-05	-1.01E-04
3.88E+02	2.56E-04	-1.25E-04	-7.74E-05
3.88E+02	2.26E-04	-1.64E-04	-2.48E-06
3.88E+02	2.12E-04	-1.89E-04	6.20E-05
3.88E+02	2.53E-04	-1.75E-04	1.08E-04
3.88E+02	2.59E-04	-1.82E-04	1.09E-04
3.88E+02	2.51E-04	-2.00E-04	4.06E-05
3.88E+02	2.56E-04	-1.80E-04	1.14E-05
3.88E+02	2.50E-04	-1.62E-04	-9.16E-06
3.88E+02	2.28E-04	-1.60E-04	-7.48E-05
3.88E+02	1.34E-04	-1.85E-04	-8.32E-05
3.88E+02	1.24E-05	-2.31E-04	-1.85E-05
3.88E+02	-9.52E-05	-2.79E-04	8.22E-05
3.88E+02	-2.37E-04	-3.49E-04	1.44E-04
3.88E+02	-3.90E-04	-4.52E-04	9.82E-05
3.88E+02	-4.90E-04	-5.36E-04	8.34E-05
3.88E+02	-5.23E-04	-5.75E-04	1.03E-04
3.88E+02	-5.34E-04	-6.08E-04	6.73E-05
3.88E+02	-5.39E-04	-6.39E-04	4.96E-05
3.88E+02	-4.84E-04	-6.47E-04	4.62E-05
3.88E+02	-3.81E-04	-6.31E-04	6.64E-05
3.88E+02	-3.05E-04	-6.18E-04	7.90E-05
3.88E+02	-2.57E-04	-6.01E-04	8.77E-06
3.88E+02	-2.13E-04	-5.34E-04	-4.12E-05
3.88E+02	-1.72E-04	-4.31E-04	-8.28E-05
3.88E+02	-1.25E-04	-3.35E-04	-1.83E-04
3.88E+02	-1.18E-04	-2.44E-04	-2.52E-04
3.88E+02	-1.34E-04	-1.39E-04	-2.53E-04
3.88E+02	-1.19E-04	-3.28E-05	-1.84E-04
3.88E+02	-1.17E-04	9.16E-06	-1.28E-04
3.88E+02	-1.28E-04	-5.02E-05	-1.33E-04
3.88E+02	-1.38E-04	-1.33E-04	-8.39E-05
3.88E+02	-1.38E-04	-2.06E-04	-5.11E-05
3.88E+02	-1.32E-04	-2.83E-04	-7.92E-05
3.88E+02	-1.89E-04	-3.47E-04	-5.66E-05
3.88E+02	-2.47E-04	-4.08E-04	-3.13E-05
3.88E+02	-2.66E-04	-4.51E-04	-2.77E-05
3.88E+02	-3.31E-04	-4.90E-04	-4.29E-05
3.88E+02	-4.10E-04	-5.16E-04	-6.56E-05
3.88E+02	-4.76E-04	-5.01E-04	-1.49E-05

3.88E+02	-5.21E-04	-4.79E-04	5.05E-05
3.88E+02	-5.24E-04	-4.58E-04	6.01E-05
3.88E+02	-5.55E-04	-4.34E-04	4.23E-05
3.88E+02	-5.73E-04	-3.88E-04	2.61E-05
3.88E+02	-5.14E-04	-2.73E-04	8.01E-05
3.88E+02	-4.53E-04	-1.48E-04	1.39E-04
3.88E+02	-4.11E-04	-8.16E-05	7.38E-05
3.88E+02	-3.53E-04	-1.85E-05	9.92E-06
3.88E+02	-2.89E-04	4.14E-05	-1.98E-05
3.88E+02	-2.18E-04	6.85E-05	-8.62E-05
3.88E+02	-1.67E-04	8.34E-05	-7.44E-05
3.88E+02	-1.08E-04	5.93E-05	-1.30E-05
3.88E+02	1.70E-05	2.59E-05	3.57E-05
3.88E+02	1.29E-04	-1.45E-05	9.52E-05
3.88E+02	2.05E-04	-8.37E-05	1.03E-04
3.88E+02	2.84E-04	-1.05E-04	1.49E-04
3.88E+02	3.47E-04	-9.94E-05	2.32E-04
3.88E+02	3.89E-04	-1.12E-04	1.93E-04
3.88E+02	3.69E-04	-1.31E-04	1.46E-04
3.88E+02	3.23E-04	-1.57E-04	1.56E-04
3.88E+02	3.17E-04	-1.62E-04	2.01E-04
3.88E+02	2.96E-04	-1.72E-04	2.70E-04
3.88E+02	2.54E-04	-2.04E-04	2.76E-04
3.88E+02	2.15E-04	-2.25E-04	2.86E-04
3.88E+02	1.68E-04	-2.33E-04	3.06E-04
3.88E+02	1.34E-04	-2.17E-04	2.73E-04
3.88E+02	6.92E-05	-1.91E-04	2.47E-04
3.88E+02	1.34E-06	-1.61E-04	2.01E-04
3.88E+02	3.81E-07	-1.14E-04	1.47E-04
3.88E+02	6.87E-06	-7.23E-05	1.28E-04
3.88E+02	2.10E-05	-4.56E-05	7.00E-05
3.88E+02	7.29E-05	-2.63E-05	1.16E-05
3.88E+02	1.30E-04	-6.68E-06	3.24E-06
3.88E+02	1.99E-04	8.20E-06	-5.44E-05
3.88E+02	2.45E-04	-2.10E-06	-1.31E-04
3.88E+02	2.64E-04	-1.37E-05	-1.56E-04
3.88E+02	3.15E-04	1.05E-05	-1.58E-04
3.88E+02	3.19E-04	4.08E-05	-1.75E-04
3.88E+02	2.39E-04	6.35E-05	-2.20E-04
3.88E+02	1.61E-04	1.16E-04	-2.18E-04
3.88E+02	9.65E-05	2.06E-04	-1.41E-04
3.88E+02	4.94E-05	3.23E-04	-6.05E-05
3.88E+02	4.58E-06	4.49E-04	3.60E-05
3.88E+02	-3.59E-05	5.58E-04	1.34E-04
3.88E+02	-2.40E-05	6.71E-04	2.34E-04
3.88E+02	-4.20E-06	7.81E-04	3.52E-04
3.88E+02	-2.23E-05	8.17E-04	3.53E-04

3.88E+02	-3.83E-05	7.96E-04	2.88E-04
3.88E+02	-4.58E-05	7.53E-04	2.62E-04
3.88E+02	-5.30E-05	6.73E-04	1.82E-04
3.88E+02	-6.68E-05	6.02E-04	1.14E-04
3.88E+02	-1.03E-04	5.65E-04	8.37E-05
3.88E+02	-9.54E-05	5.61E-04	5.66E-05
3.88E+02	-6.60E-05	5.68E-04	4.33E-05
3.88E+02	-6.35E-05	5.32E-04	-3.53E-05
3.88E+02	-1.85E-05	4.77E-04	-7.31E-05
3.88E+02	7.71E-05	4.37E-04	6.48E-06
3.88E+02	2.07E-04	3.75E-04	6.79E-05
3.88E+02	3.23E-04	2.70E-04	8.49E-05
3.88E+02	3.94E-04	1.45E-04	6.10E-05
3.88E+02	4.96E-04	2.77E-05	1.41E-05
3.88E+02	5.75E-04	-8.79E-05	6.48E-06
3.88E+02	5.70E-04	-2.34E-04	-1.07E-05
3.88E+02	5.40E-04	-3.65E-04	-9.54E-06
3.88E+02	4.95E-04	-4.27E-04	4.01E-05
3.88E+02	4.64E-04	-4.35E-04	1.58E-05
3.88E+02	4.12E-04	-4.14E-04	-6.66E-05
3.88E+02	3.23E-04	-3.58E-04	-1.24E-04
3.88E+02	3.14E-04	-2.53E-04	-1.32E-04
3.88E+02	3.33E-04	-1.48E-04	-9.69E-05
3.88E+02	3.35E-04	-8.93E-05	-8.09E-05
3.88E+02	3.79E-04	-3.30E-05	-2.90E-05
3.88E+02	4.26E-04	6.31E-05	7.93E-05
3.88E+02	4.77E-04	1.84E-04	1.20E-04
3.88E+02	5.15E-04	3.15E-04	8.91E-05
3.88E+02	5.16E-04	4.35E-04	4.60E-05
3.88E+02	5.58E-04	5.36E-04	1.53E-05
3.88E+02	5.92E-04	6.19E-04	2.06E-05
3.88E+02	5.69E-04	6.50E-04	1.93E-05
3.88E+02	5.56E-04	6.43E-04	1.56E-05
3.88E+02	5.54E-04	6.45E-04	6.47E-05
3.88E+02	5.53E-04	6.27E-04	7.93E-05
3.88E+02	5.35E-04	5.79E-04	-1.34E-06
3.88E+02	4.76E-04	5.13E-04	-9.10E-05
3.88E+02	4.32E-04	4.30E-04	-1.46E-04
3.88E+02	4.16E-04	3.50E-04	-1.41E-04
3.88E+02	3.97E-04	2.32E-04	-1.28E-04
3.88E+02	3.86E-04	8.87E-05	-1.38E-04
3.88E+02	3.92E-04	-3.45E-05	-9.06E-05
3.88E+02	3.98E-04	-1.59E-04	-8.28E-05
3.88E+02	3.62E-04	-2.41E-04	-1.32E-04
3.88E+02	2.74E-04	-2.71E-04	-1.36E-04
3.88E+02	2.22E-04	-2.67E-04	-1.42E-04
3.88E+02	2.00E-04	-2.10E-04	-9.42E-05

3.88E+02	1.39E-04	-1.53E-04	0.00E+00
3.88E+02	7.67E-05	-1.10E-04	6.07E-05
3.88E+02	3.41E-05	-2.96E-05	1.68E-04
3.88E+02	3.91E-05	6.01E-05	2.35E-04
3.88E+02	8.30E-05	1.38E-04	2.20E-04
3.88E+02	1.05E-04	2.23E-04	2.61E-04
3.88E+02	1.58E-04	3.22E-04	3.34E-04
3.88E+02	2.40E-04	4.45E-04	4.08E-04
3.88E+02	2.63E-04	5.33E-04	3.81E-04
3.88E+02	2.46E-04	5.87E-04	2.44E-04
3.88E+02	2.10E-04	6.76E-04	1.56E-04
3.88E+02	1.77E-04	7.44E-04	4.01E-05
3.88E+02	1.49E-04	7.90E-04	-1.00E-04
3.89E+02	8.93E-05	8.07E-04	-1.85E-04
3.89E+02	7.44E-05	7.57E-04	-2.70E-04
3.89E+02	1.06E-04	6.95E-04	-3.04E-04
3.89E+02	1.05E-04	5.99E-04	-3.36E-04
3.89E+02	1.16E-04	4.99E-04	-4.08E-04
3.89E+02	1.59E-04	4.51E-04	-3.75E-04
3.89E+02	2.37E-04	4.12E-04	-3.09E-04
3.89E+02	3.40E-04	3.54E-04	-2.93E-04
3.89E+02	4.08E-04	2.66E-04	-2.42E-04
3.89E+02	5.06E-04	1.79E-04	-1.61E-04
3.89E+02	6.47E-04	1.32E-04	-6.89E-05
3.89E+02	7.25E-04	8.39E-05	-5.47E-05
3.89E+02	7.51E-04	2.80E-05	-1.46E-04
3.89E+02	7.44E-04	-1.20E-05	-2.08E-04
3.89E+02	6.77E-04	-4.02E-05	-2.57E-04
3.89E+02	5.55E-04	-5.28E-05	-3.11E-04
3.89E+02	3.71E-04	-3.85E-05	-3.42E-04
3.89E+02	2.07E-04	1.39E-05	-3.89E-04
3.89E+02	1.34E-04	1.10E-04	-3.61E-04
3.89E+02	7.90E-05	1.97E-04	-2.50E-04
3.89E+02	5.32E-05	2.33E-04	-1.45E-04
3.89E+02	8.16E-05	2.56E-04	1.32E-05
3.89E+02	1.36E-04	2.75E-04	1.60E-04
3.89E+02	2.03E-04	2.78E-04	2.14E-04
3.89E+02	2.15E-04	2.77E-04	2.58E-04
3.89E+02	2.17E-04	2.97E-04	2.75E-04
3.89E+02	2.62E-04	3.62E-04	2.51E-04
3.89E+02	2.78E-04	4.28E-04	1.75E-04
3.89E+02	2.82E-04	4.41E-04	2.88E-05
3.89E+02	3.33E-04	4.64E-04	-3.19E-05
3.89E+02	4.24E-04	5.05E-04	-3.09E-05
3.89E+02	5.00E-04	5.12E-04	-8.49E-05
3.89E+02	5.17E-04	4.82E-04	-1.38E-04
3.89E+02	5.22E-04	4.24E-04	-2.04E-04

3.89E+02	5.41E-04	3.74E-04	-2.74E-04
3.89E+02	5.04E-04	3.18E-04	-3.34E-04
3.89E+02	4.25E-04	2.41E-04	-4.05E-04
3.89E+02	3.49E-04	1.90E-04	-3.54E-04
3.89E+02	2.75E-04	1.52E-04	-2.12E-04
3.89E+02	2.04E-04	9.56E-05	-1.18E-04
3.89E+02	7.61E-05	4.46E-05	-2.63E-05
3.89E+02	-6.90E-05	2.25E-05	6.33E-05
3.89E+02	-1.62E-04	4.71E-05	1.49E-04
3.89E+02	-2.72E-04	6.90E-05	2.07E-04
3.89E+02	-3.58E-04	5.59E-05	2.16E-04
3.89E+02	-3.46E-04	7.97E-05	3.27E-04
3.89E+02	-2.67E-04	1.10E-04	4.79E-04
3.89E+02	-1.34E-04	1.13E-04	5.39E-04
3.89E+02	1.35E-05	1.29E-04	5.76E-04
3.89E+02	1.71E-04	1.26E-04	5.86E-04
3.89E+02	3.64E-04	1.17E-04	5.71E-04
3.89E+02	5.07E-04	9.16E-05	5.30E-04
3.89E+02	5.79E-04	3.26E-05	4.12E-04
3.89E+02	6.10E-04	-4.96E-06	3.25E-04
3.89E+02	5.95E-04	-2.88E-05	2.69E-04
3.89E+02	5.47E-04	-3.45E-05	1.51E-04
3.89E+02	4.25E-04	-7.63E-07	6.73E-05
3.89E+02	2.80E-04	6.45E-05	5.32E-05
3.89E+02	2.17E-04	1.75E-04	6.52E-05
3.89E+02	1.59E-04	2.74E-04	5.78E-05
3.89E+02	9.90E-05	3.11E-04	-3.78E-05
3.89E+02	9.02E-05	3.27E-04	-1.38E-04
3.89E+02	9.52E-05	3.32E-04	-2.03E-04
3.89E+02	1.27E-04	3.19E-04	-2.92E-04
3.89E+02	1.25E-04	3.03E-04	-3.48E-04
3.89E+02	9.59E-05	2.95E-04	-3.62E-04
3.89E+02	1.36E-04	3.08E-04	-3.40E-04
3.89E+02	1.61E-04	3.20E-04	-2.83E-04
3.89E+02	1.48E-04	2.96E-04	-2.68E-04
3.89E+02	1.60E-04	2.71E-04	-2.28E-04
3.89E+02	1.78E-04	2.51E-04	-1.57E-04
3.89E+02	1.97E-04	2.12E-04	-1.56E-04
3.89E+02	1.90E-04	1.75E-04	-1.17E-04
3.89E+02	1.74E-04	1.51E-04	7.82E-06
3.89E+02	1.98E-04	1.54E-04	1.65E-04
3.89E+02	2.04E-04	1.60E-04	3.08E-04
3.89E+02	1.63E-04	1.22E-04	3.31E-04
3.89E+02	1.22E-04	6.33E-05	3.08E-04
3.89E+02	8.49E-05	5.15E-06	3.02E-04
3.89E+02	4.65E-05	-5.05E-05	2.66E-04
3.89E+02	-1.72E-05	-9.54E-05	2.60E-04

3.89E+02	-9.21E-05	-1.34E-04	2.59E-04
3.89E+02	-9.67E-05	-1.24E-04	2.53E-04
3.89E+02	-8.14E-05	-7.82E-05	2.87E-04
3.89E+02	-9.78E-05	-4.18E-05	2.42E-04
3.89E+02	-8.14E-05	3.30E-05	1.70E-04
3.89E+02	-2.67E-05	1.60E-04	1.29E-04
3.89E+02	4.67E-05	2.99E-04	2.63E-05
3.89E+02	9.78E-05	4.40E-04	-5.74E-05
3.89E+02	9.71E-05	5.74E-04	-6.92E-05
3.89E+02	1.01E-04	6.75E-04	-7.08E-05
3.89E+02	9.38E-05	7.39E-04	-7.25E-05
3.89E+02	4.88E-05	7.42E-04	-1.19E-04
3.89E+02	3.22E-05	6.77E-04	-1.58E-04
3.89E+02	5.47E-05	5.93E-04	-1.08E-04
3.89E+02	8.64E-05	4.86E-04	-4.77E-05
3.89E+02	8.64E-05	3.62E-04	-1.14E-06
3.89E+02	5.51E-05	2.55E-04	5.47E-05
3.89E+02	6.64E-05	1.69E-04	1.21E-04
3.89E+02	7.67E-05	9.98E-05	1.86E-04
3.89E+02	4.62E-05	2.08E-05	1.70E-04
3.89E+02	2.08E-05	-4.50E-05	1.46E-04
3.89E+02	-1.72E-06	-7.92E-05	1.91E-04
3.89E+02	-4.20E-06	-1.15E-04	1.92E-04
3.89E+02	-1.45E-05	-1.54E-04	1.74E-04
3.89E+02	-5.09E-05	-1.84E-04	1.95E-04
3.89E+02	-4.23E-05	-1.76E-04	2.26E-04
3.89E+02	-3.57E-05	-1.39E-04	2.23E-04
3.89E+02	-8.07E-05	-1.22E-04	1.11E-04
3.89E+02	-1.02E-04	-6.60E-05	-5.34E-06
3.89E+02	-1.01E-04	5.11E-05	-5.34E-05
3.89E+02	-8.39E-05	1.82E-04	-1.50E-04
3.89E+02	-5.97E-05	3.27E-04	-2.63E-04
3.89E+02	-8.30E-05	4.33E-04	-3.44E-04
3.89E+02	-6.24E-05	5.11E-04	-3.60E-04
3.89E+02	1.53E-06	5.73E-04	-2.60E-04
3.89E+02	4.65E-05	5.42E-04	-1.55E-04
3.89E+02	1.36E-04	4.81E-04	-3.76E-05
3.89E+02	2.47E-04	4.50E-04	1.38E-04
3.89E+02	3.69E-04	4.15E-04	2.26E-04
3.89E+02	4.73E-04	3.86E-04	2.45E-04
3.89E+02	5.13E-04	3.78E-04	2.76E-04
3.89E+02	5.57E-04	4.10E-04	2.96E-04
3.89E+02	5.75E-04	4.56E-04	3.28E-04
3.89E+02	5.25E-04	4.62E-04	3.07E-04
3.89E+02	4.54E-04	4.48E-04	2.39E-04
3.89E+02	3.73E-04	4.38E-04	2.27E-04
3.89E+02	2.86E-04	4.16E-04	2.19E-04

3.89E+02	1.80E-04	3.72E-04	1.81E-04
3.89E+02	4.39E-05	3.23E-04	1.44E-04
3.89E+02	-4.39E-05	2.89E-04	1.15E-04
3.89E+02	-7.92E-05	2.77E-04	1.32E-04
3.89E+02	-1.29E-04	2.50E-04	1.13E-04
3.89E+02	-1.43E-04	2.20E-04	3.40E-05
3.89E+02	-1.01E-04	2.21E-04	3.81E-06
3.89E+02	-5.76E-05	1.86E-04	-5.07E-05
3.89E+02	-6.10E-06	1.37E-04	-1.30E-04
3.89E+02	3.91E-05	1.09E-04	-1.66E-04
3.89E+02	7.50E-05	7.88E-05	-2.19E-04
3.89E+02	1.07E-04	8.01E-05	-2.42E-04
3.89E+02	1.09E-04	7.25E-05	-2.68E-04
3.89E+02	1.10E-04	5.86E-05	-3.21E-04
3.89E+02	1.10E-04	9.50E-05	-2.95E-04
3.89E+02	9.10E-05	1.62E-04	-2.73E-04
3.89E+02	2.23E-05	2.40E-04	-2.87E-04
3.89E+02	-9.00E-05	3.03E-04	-2.63E-04
3.89E+02	-1.69E-04	3.68E-04	-1.98E-04
3.89E+02	-2.23E-04	4.46E-04	-6.60E-05
3.89E+02	-2.89E-04	4.75E-04	4.54E-05
3.89E+02	-3.35E-04	4.70E-04	1.11E-04
3.89E+02	-3.49E-04	4.61E-04	2.19E-04
3.89E+02	-3.22E-04	4.27E-04	2.74E-04
3.89E+02	-2.68E-04	3.83E-04	2.82E-04
3.89E+02	-2.53E-04	2.97E-04	3.00E-04
3.89E+02	-2.09E-04	1.89E-04	3.16E-04
3.89E+02	-1.13E-04	1.12E-04	3.82E-04
3.89E+02	-5.86E-05	1.81E-05	3.91E-04
3.89E+02	-7.44E-06	-6.43E-05	3.04E-04
3.89E+02	4.92E-05	-9.88E-05	2.24E-04
3.89E+02	8.41E-05	-1.36E-04	1.19E-04
3.89E+02	7.69E-05	-1.62E-04	-1.05E-05
3.89E+02	-9.16E-06	-1.61E-04	-1.42E-04
3.89E+02	-9.56E-05	-1.42E-04	-2.86E-04
3.89E+02	-1.67E-04	-1.01E-04	-3.76E-04
3.89E+02	-2.75E-04	-8.35E-05	-4.32E-04
3.89E+02	-3.73E-04	-7.84E-05	-4.83E-04
3.89E+02	-4.35E-04	-4.65E-05	-4.41E-04
3.89E+02	-4.75E-04	-2.50E-05	-3.96E-04
3.89E+02	-5.06E-04	-1.77E-05	-4.08E-04
3.89E+02	-5.65E-04	-1.75E-05	-3.64E-04
3.89E+02	-5.73E-04	-8.58E-06	-2.90E-04
3.89E+02	-5.10E-04	3.64E-05	-1.79E-04
3.89E+02	-4.76E-04	6.77E-05	-7.86E-05
3.89E+02	-4.33E-04	7.51E-05	-3.49E-05
3.89E+02	-3.56E-04	9.08E-05	6.41E-05

3.89E+02	-2.74E-04	8.81E-05	1.68E-04
3.89E+02	-1.87E-04	6.89E-05	2.38E-04
3.89E+02	-1.47E-04	3.89E-05	3.04E-04
3.89E+02	-1.07E-04	-6.68E-06	2.82E-04
3.89E+02	-3.13E-05	-3.95E-05	1.99E-04
3.89E+02	-5.34E-06	-8.30E-05	8.18E-05
3.89E+02	-1.11E-05	-1.37E-04	-7.38E-05
3.89E+02	-2.57E-05	-1.59E-04	-1.62E-04
3.89E+02	-7.02E-05	-1.80E-04	-1.97E-04
3.89E+02	-1.45E-04	-1.97E-04	-2.38E-04
3.89E+02	-2.71E-04	-1.93E-04	-2.34E-04
3.89E+02	-3.75E-04	-1.60E-04	-2.12E-04
3.89E+02	-4.29E-04	-7.44E-05	-2.21E-04
3.89E+02	-4.85E-04	1.37E-05	-2.73E-04
3.89E+02	-5.01E-04	9.14E-05	-3.48E-04
3.89E+02	-4.82E-04	1.88E-04	-3.46E-04
3.89E+02	-4.36E-04	2.76E-04	-2.95E-04
3.89E+02	-3.44E-04	3.26E-04	-2.73E-04
3.89E+02	-2.71E-04	3.09E-04	-2.08E-04
3.89E+02	-1.85E-04	2.45E-04	-1.06E-04
3.89E+02	-3.22E-05	1.81E-04	-3.40E-05
3.89E+02	8.54E-05	1.17E-04	-2.90E-05
3.89E+02	1.56E-04	7.10E-05	-8.66E-05
3.89E+02	2.23E-04	7.84E-05	-1.06E-04
3.89E+02	2.72E-04	9.48E-05	-1.31E-04
3.90E+02	2.86E-04	8.70E-05	-2.39E-04
3.90E+02	2.25E-04	6.39E-05	-3.28E-04
3.90E+02	1.33E-04	2.31E-05	-3.63E-04
3.90E+02	5.55E-05	-2.29E-05	-3.56E-04
3.90E+02	-4.88E-05	-8.37E-05	-3.36E-04
3.90E+02	-1.81E-04	-1.74E-04	-3.68E-04
3.90E+02	-3.04E-04	-2.55E-04	-3.76E-04
3.90E+02	-3.77E-04	-2.99E-04	-3.18E-04
3.90E+02	-4.12E-04	-3.10E-04	-2.56E-04
3.90E+02	-4.37E-04	-3.04E-04	-2.08E-04
3.90E+02	-4.15E-04	-2.90E-04	-1.77E-04
3.90E+02	-3.27E-04	-2.67E-04	-1.17E-04
3.90E+02	-2.53E-04	-2.68E-04	-4.84E-05
3.90E+02	-2.04E-04	-3.09E-04	-3.15E-05
3.90E+02	-1.44E-04	-3.33E-04	1.34E-06
3.90E+02	-9.25E-05	-3.32E-04	3.87E-05
3.90E+02	-4.37E-05	-3.18E-04	3.51E-05
3.90E+02	-4.79E-05	-2.91E-04	2.96E-05
3.90E+02	-7.82E-05	-2.42E-04	1.91E-06
3.90E+02	-5.97E-05	-1.45E-04	-2.88E-05
3.90E+02	-7.97E-05	-4.12E-05	-8.30E-05
3.90E+02	-1.35E-04	2.48E-05	-2.13E-04

3.90E+02	-1.62E-04	9.02E-05	-3.01E-04
3.90E+02	-1.64E-04	1.71E-04	-3.21E-04
3.90E+02	-1.28E-04	2.83E-04	-2.98E-04
3.90E+02	-1.15E-04	4.08E-04	-1.82E-04
3.90E+02	-9.98E-05	5.02E-04	-4.33E-05
3.90E+02	-2.92E-05	5.80E-04	8.26E-05
3.90E+02	8.01E-06	6.14E-04	1.58E-04
3.90E+02	1.75E-05	5.74E-04	1.28E-04
3.90E+02	4.86E-05	5.29E-04	1.04E-04
3.90E+02	7.99E-05	4.94E-04	8.28E-05
3.90E+02	1.07E-04	4.58E-04	-1.37E-05
3.90E+02	1.09E-04	4.27E-04	-1.29E-04
3.90E+02	9.33E-05	3.81E-04	-2.32E-04
3.90E+02	9.71E-05	3.46E-04	-2.82E-04
3.90E+02	7.46E-05	2.99E-04	-3.00E-04
3.90E+02	1.56E-05	1.97E-04	-3.59E-04
3.90E+02	-2.77E-05	8.83E-05	-3.68E-04
3.90E+02	-5.30E-05	0.00E+00	-3.29E-04
3.90E+02	-5.53E-05	-7.82E-05	-3.39E-04
3.90E+02	-8.45E-05	-1.44E-04	-3.69E-04
3.90E+02	-1.32E-04	-1.90E-04	-3.95E-04
3.90E+02	-9.99E-05	-2.01E-04	-4.02E-04
3.90E+02	-5.05E-05	-1.93E-04	-3.97E-04
3.90E+02	-1.45E-05	-2.08E-04	-3.95E-04
3.90E+02	6.69E-05	-2.17E-04	-3.27E-04
3.90E+02	1.65E-04	-2.09E-04	-2.17E-04
3.90E+02	2.75E-04	-2.05E-04	-1.45E-04
3.90E+02	3.43E-04	-1.87E-04	-5.93E-05
3.90E+02	3.48E-04	-1.58E-04	3.60E-05
3.90E+02	3.55E-04	-9.90E-05	1.23E-04
3.90E+02	2.94E-04	-5.72E-05	1.78E-04
3.90E+02	1.83E-04	-7.06E-05	1.42E-04
3.90E+02	1.11E-04	-5.91E-05	1.30E-04
3.90E+02	4.94E-05	-3.91E-05	1.62E-04
3.90E+02	6.87E-06	-4.01E-05	1.45E-04
3.90E+02	-3.89E-05	-5.13E-05	1.20E-04
3.90E+02	-9.75E-05	-9.56E-05	7.69E-05
3.90E+02	-1.13E-04	-1.58E-04	3.07E-05
3.90E+02	-1.21E-04	-2.25E-04	1.05E-05
3.90E+02	-1.53E-04	-3.14E-04	-4.29E-05
3.90E+02	-1.88E-04	-3.96E-04	-6.33E-05
3.90E+02	-2.03E-04	-4.41E-04	-1.28E-05
3.90E+02	-1.73E-04	-4.67E-04	2.86E-05
3.90E+02	-1.52E-04	-4.88E-04	9.48E-05
3.90E+02	-1.53E-04	-5.06E-04	2.08E-04
3.90E+02	-1.18E-04	-5.06E-04	3.29E-04
3.90E+02	-1.02E-04	-5.08E-04	3.84E-04

3.90E+02	-1.29E-04	-5.46E-04	2.90E-04
3.90E+02	-1.38E-04	-5.68E-04	1.48E-04
3.90E+02	-1.17E-04	-5.55E-04	4.98E-05
3.90E+02	-6.66E-05	-5.37E-04	-3.26E-05
3.90E+02	-4.18E-05	-5.02E-04	-5.97E-05
3.90E+02	-5.38E-05	-4.75E-04	-6.26E-05
3.90E+02	-3.99E-05	-4.42E-04	-8.20E-05
3.90E+02	-3.53E-05	-3.80E-04	-8.26E-05
3.90E+02	-7.95E-05	-3.54E-04	-1.27E-04
3.90E+02	-1.26E-04	-3.45E-04	-1.73E-04
3.90E+02	-1.34E-04	-3.00E-04	-1.46E-04
3.90E+02	-1.07E-04	-2.48E-04	-1.66E-04
3.90E+02	-9.77E-05	-1.96E-04	-2.07E-04
3.90E+02	-1.14E-04	-1.38E-04	-1.85E-04
3.90E+02	-1.02E-04	-6.90E-05	-9.25E-05
3.90E+02	-9.46E-05	2.04E-05	6.87E-05
3.90E+02	-1.27E-04	8.07E-05	1.70E-04
3.90E+02	-1.72E-04	1.18E-04	2.35E-04
3.90E+02	-2.23E-04	1.77E-04	3.47E-04
3.90E+02	-2.72E-04	2.23E-04	4.12E-04
3.90E+02	-3.53E-04	2.55E-04	4.17E-04
3.90E+02	-4.71E-04	2.70E-04	3.77E-04
3.90E+02	-5.28E-04	2.84E-04	3.06E-04
3.90E+02	-5.35E-04	3.15E-04	2.60E-04
3.90E+02	-5.41E-04	3.01E-04	1.48E-04
3.90E+02	-5.07E-04	2.61E-04	-1.56E-05
3.90E+02	-4.34E-04	2.16E-04	-1.19E-04
3.90E+02	-3.36E-04	1.34E-04	-2.54E-04
3.90E+02	-2.52E-04	4.37E-05	-4.15E-04
3.90E+02	-2.18E-04	-3.45E-05	-4.74E-04
3.90E+02	-1.62E-04	-7.31E-05	-4.54E-04
3.90E+02	-1.15E-04	-8.24E-05	-4.08E-04
3.90E+02	-1.44E-04	-1.23E-04	-3.73E-04
3.90E+02	-1.75E-04	-1.71E-04	-3.18E-04
3.90E+02	-1.66E-04	-1.99E-04	-1.82E-04
3.90E+02	-1.25E-04	-2.35E-04	-3.80E-05
3.90E+02	-8.54E-05	-2.71E-04	6.77E-05
3.90E+02	-8.03E-05	-3.11E-04	1.28E-04
3.90E+02	-4.90E-05	-3.23E-04	1.40E-04
3.90E+02	-9.54E-06	-2.81E-04	1.60E-04
3.90E+02	-1.53E-05	-2.54E-04	1.62E-04
3.90E+02	-2.86E-05	-2.34E-04	1.67E-04
3.90E+02	-2.86E-05	-2.12E-04	2.33E-04
3.90E+02	-5.72E-06	-2.19E-04	2.78E-04
3.90E+02	-9.73E-06	-2.52E-04	2.66E-04
3.90E+02	-6.45E-05	-3.14E-04	2.44E-04
3.90E+02	-9.12E-05	-3.52E-04	2.23E-04

3.90E+02	-1.28E-04	-3.61E-04	1.94E-04
3.90E+02	-2.25E-04	-3.85E-04	1.00E-04
3.90E+02	-3.15E-04	-3.94E-04	-3.22E-05
3.90E+02	-3.84E-04	-3.67E-04	-1.15E-04
3.90E+02	-4.40E-04	-3.36E-04	-1.84E-04
3.90E+02	-4.86E-04	-3.02E-04	-2.18E-04
3.90E+02	-5.56E-04	-2.60E-04	-1.72E-04
3.90E+02	-5.71E-04	-2.16E-04	-1.14E-04
3.90E+02	-5.28E-04	-1.51E-04	-4.48E-05
3.90E+02	-5.17E-04	-9.31E-05	-8.39E-06
3.90E+02	-5.17E-04	-5.99E-05	-1.54E-05
3.90E+02	-5.09E-04	-9.54E-06	4.41E-05
3.90E+02	-4.80E-04	2.44E-05	8.24E-05
3.90E+02	-4.36E-04	3.76E-05	7.59E-05
3.90E+02	-4.18E-04	4.01E-05	1.35E-04
3.90E+02	-3.77E-04	1.93E-05	2.07E-04
3.90E+02	-3.01E-04	1.47E-05	3.04E-04
3.90E+02	-2.40E-04	-1.07E-05	3.78E-04
3.90E+02	-1.75E-04	-5.82E-05	3.82E-04
3.90E+02	-7.95E-05	-7.80E-05	4.32E-04
3.90E+02	4.75E-05	-8.05E-05	4.60E-04
3.90E+02	1.74E-04	-7.59E-05	4.23E-04
3.90E+02	2.56E-04	-9.77E-05	3.57E-04
3.90E+02	3.33E-04	-1.40E-04	2.56E-04
3.90E+02	4.06E-04	-1.92E-04	1.94E-04
3.90E+02	3.95E-04	-2.82E-04	1.30E-04
3.90E+02	3.23E-04	-3.84E-04	2.17E-05
3.90E+02	2.26E-04	-4.45E-04	-2.35E-05
3.90E+02	9.92E-05	-4.66E-04	-4.20E-05
3.90E+02	-5.63E-05	-4.62E-04	-8.83E-05
3.90E+02	-2.46E-04	-4.22E-04	-8.68E-05
3.90E+02	-4.08E-04	-3.44E-04	-8.01E-05
3.90E+02	-5.04E-04	-2.27E-04	-8.07E-05
3.90E+02	-5.86E-04	-1.31E-04	-8.77E-05
3.90E+02	-6.34E-04	-8.14E-05	-9.29E-05
3.90E+02	-6.08E-04	-2.02E-05	2.04E-05
3.90E+02	-5.30E-04	1.47E-05	1.57E-04
3.90E+02	-4.17E-04	4.29E-05	2.11E-04
3.90E+02	-3.25E-04	9.63E-05	2.14E-04
3.90E+02	-2.35E-04	1.46E-04	1.50E-04
3.90E+02	-1.20E-04	2.32E-04	9.54E-05
3.90E+02	-8.11E-05	3.18E-04	7.32E-05
3.90E+02	-9.06E-05	3.72E-04	3.22E-05
3.90E+02	-9.88E-05	4.27E-04	6.05E-05
3.90E+02	-1.14E-04	4.50E-04	1.14E-04
3.90E+02	-1.19E-04	4.48E-04	1.09E-04
3.90E+02	-1.55E-04	4.47E-04	1.15E-04

3.90E+02	-1.64E-04	4.56E-04	1.18E-04
3.90E+02	-1.03E-04	4.88E-04	1.28E-04
3.90E+02	-5.47E-05	5.06E-04	1.23E-04
3.90E+02	3.62E-06	5.09E-04	8.41E-05
3.90E+02	8.54E-05	5.02E-04	1.06E-04
3.90E+02	1.55E-04	4.46E-04	1.11E-04
3.90E+02	2.08E-04	3.47E-04	5.59E-05
3.90E+02	1.91E-04	2.00E-04	2.65E-05
3.90E+02	1.77E-04	1.28E-05	8.77E-06
3.90E+02	2.52E-04	-1.44E-04	2.94E-05
3.90E+02	3.14E-04	-2.79E-04	7.97E-05
3.90E+02	3.57E-04	-4.16E-04	9.61E-05
3.90E+02	4.22E-04	-4.85E-04	1.48E-04
3.90E+02	4.86E-04	-5.16E-04	1.85E-04
3.90E+02	5.49E-04	-5.44E-04	1.14E-04
3.90E+02	5.38E-04	-5.43E-04	2.73E-05
3.90E+02	4.76E-04	-5.27E-04	-3.11E-05
3.90E+02	4.22E-04	-4.42E-04	-2.12E-05
3.90E+02	2.82E-04	-3.12E-04	1.34E-06
3.90E+02	7.72E-05	-1.61E-04	-7.82E-06
3.90E+02	-1.35E-04	4.14E-05	1.15E-04
3.90E+02	-3.39E-04	2.37E-04	3.35E-04
3.90E+02	-5.10E-04	4.44E-04	5.34E-04
3.90E+02	-7.14E-04	5.82E-04	6.69E-04
3.90E+02	-8.78E-04	6.12E-04	6.82E-04
3.90E+02	-8.87E-04	6.59E-04	6.60E-04
3.90E+02	-8.57E-04	6.56E-04	5.89E-04
3.90E+02	-8.07E-04	5.61E-04	4.30E-04
3.90E+02	-6.52E-04	4.91E-04	3.45E-04
3.90E+02	-4.63E-04	4.23E-04	2.55E-04
3.90E+02	-2.66E-04	3.10E-04	5.89E-05
3.90E+02	-9.80E-05	1.92E-04	-6.64E-05
3.90E+02	2.86E-06	6.90E-05	-1.09E-04
3.90E+02	1.21E-04	-4.18E-05	-1.58E-04
3.90E+02	1.65E-04	-1.36E-04	-2.45E-04
3.90E+02	1.11E-04	-2.60E-04	-4.03E-04
3.90E+02	8.03E-05	-3.70E-04	-4.80E-04
3.91E+02	4.02E-05	-4.27E-04	-4.06E-04
3.91E+02	-1.87E-05	-5.01E-04	-3.18E-04
3.91E+02	-7.11E-05	-5.81E-04	-1.92E-04
3.91E+02	-1.08E-04	-6.14E-04	-2.17E-05
3.91E+02	-7.51E-05	-6.14E-04	1.15E-04
3.91E+02	-2.63E-05	-5.86E-04	2.47E-04
3.91E+02	-2.23E-05	-5.83E-04	3.67E-04
3.91E+02	1.22E-05	-5.66E-04	4.95E-04
3.91E+02	6.33E-05	-5.09E-04	6.11E-04
3.91E+02	7.08E-05	-5.24E-04	6.21E-04

3.91E+02	4.12E-05	-5.42E-04	5.91E-04
3.91E+02	-1.51E-05	-5.31E-04	5.71E-04
3.91E+02	-4.50E-05	-5.25E-04	5.52E-04
3.91E+02	-8.16E-05	-4.83E-04	5.18E-04
3.91E+02	-1.55E-04	-4.62E-04	4.10E-04
3.91E+02	-1.87E-04	-4.19E-04	2.59E-04
3.91E+02	-1.96E-04	-3.23E-04	1.14E-04
3.91E+02	-2.15E-04	-2.23E-04	-3.62E-06
3.91E+02	-2.57E-04	-1.02E-04	-1.00E-04
3.91E+02	-3.18E-04	7.25E-06	-2.24E-04
3.91E+02	-3.37E-04	1.27E-04	-3.17E-04
3.91E+02	-3.59E-04	2.37E-04	-3.71E-04
3.91E+02	-4.06E-04	2.66E-04	-4.56E-04
3.91E+02	-4.39E-04	2.71E-04	-4.68E-04
3.91E+02	-4.37E-04	2.77E-04	-3.64E-04
3.91E+02	-3.87E-04	2.42E-04	-2.64E-04
3.91E+02	-3.68E-04	1.70E-04	-1.74E-04
3.91E+02	-3.97E-04	8.39E-05	-9.98E-05
3.91E+02	-3.98E-04	3.43E-06	-1.89E-05
3.91E+02	-4.01E-04	-7.92E-05	8.58E-05
3.91E+02	-4.25E-04	-2.08E-04	1.08E-04
3.91E+02	-4.17E-04	-3.38E-04	1.44E-04
3.91E+02	-3.59E-04	-4.38E-04	2.49E-04
3.91E+02	-2.46E-04	-5.43E-04	3.03E-04
3.91E+02	-1.34E-04	-6.21E-04	3.43E-04
3.91E+02	-5.72E-05	-6.73E-04	3.44E-04
3.91E+02	4.63E-05	-7.03E-04	2.73E-04
3.91E+02	1.43E-04	-6.78E-04	1.96E-04
3.91E+02	1.85E-04	-6.49E-04	7.31E-05
3.91E+02	2.06E-04	-5.95E-04	-3.28E-05
3.91E+02	2.26E-04	-4.83E-04	-3.47E-05
3.91E+02	2.13E-04	-3.86E-04	-6.16E-05
3.91E+02	1.25E-04	-3.11E-04	-1.04E-04
3.91E+02	-4.39E-06	-2.33E-04	-8.49E-05
3.91E+02	-1.17E-04	-1.51E-04	-4.60E-05
3.91E+02	-2.39E-04	-8.37E-05	4.58E-06
3.91E+02	-3.92E-04	-6.77E-05	-7.63E-07
3.91E+02	-5.34E-04	-6.24E-05	-1.96E-05
3.91E+02	-6.34E-04	-4.01E-05	2.67E-05
3.91E+02	-6.75E-04	-6.29E-06	9.21E-05
3.91E+02	-6.97E-04	6.68E-05	2.01E-04
3.91E+02	-7.23E-04	1.25E-04	2.94E-04
3.91E+02	-6.58E-04	1.53E-04	3.23E-04
3.91E+02	-5.25E-04	1.82E-04	3.68E-04
3.91E+02	-4.03E-04	1.44E-04	3.37E-04
3.91E+02	-2.54E-04	5.63E-05	2.17E-04
3.91E+02	-8.93E-05	-4.39E-05	1.30E-04

3.91E+02	5.46E-05	-1.66E-04	1.11E-05
3.91E+02	1.55E-04	-2.72E-04	-1.02E-04
3.91E+02	1.83E-04	-3.82E-04	-1.32E-04
3.91E+02	1.83E-04	-4.70E-04	-1.15E-04
3.91E+02	1.67E-04	-5.20E-04	-4.52E-05
3.91E+02	8.66E-05	-6.17E-04	-3.95E-05
3.91E+02	-1.91E-07	-7.22E-04	-6.64E-05
3.91E+02	-4.48E-05	-7.74E-04	-2.08E-05
3.91E+02	-6.83E-05	-7.83E-04	-1.39E-05
3.91E+02	-7.42E-05	-7.42E-04	-1.32E-05
3.91E+02	-6.45E-05	-6.71E-04	1.18E-05
3.91E+02	7.25E-06	-5.89E-04	1.53E-05
3.91E+02	1.36E-04	-4.92E-04	4.56E-05
3.91E+02	2.34E-04	-4.26E-04	2.67E-05
3.91E+02	3.27E-04	-3.91E-04	-4.63E-05
3.91E+02	4.19E-04	-3.37E-04	-7.04E-05
3.91E+02	4.91E-04	-3.06E-04	-1.07E-04
3.91E+02	5.28E-04	-3.07E-04	-1.34E-04
3.91E+02	4.72E-04	-2.90E-04	-9.63E-05
3.91E+02	4.24E-04	-2.45E-04	-7.51E-05
3.91E+02	4.05E-04	-1.71E-04	-1.14E-05
3.91E+02	3.27E-04	-9.99E-05	7.11E-05
3.91E+02	2.73E-04	-2.57E-05	8.39E-05
3.91E+02	2.63E-04	8.24E-05	1.04E-04
3.91E+02	2.64E-04	1.79E-04	5.46E-05
3.91E+02	2.60E-04	2.67E-04	-5.51E-05
3.91E+02	2.00E-04	3.44E-04	-1.47E-04
3.91E+02	1.49E-04	3.75E-04	-2.62E-04
3.91E+02	1.34E-04	3.97E-04	-3.01E-04
3.91E+02	6.52E-05	3.66E-04	-2.95E-04
3.91E+02	-1.89E-05	2.92E-04	-2.77E-04
3.91E+02	-7.27E-05	2.40E-04	-1.89E-04
3.91E+02	-1.09E-04	1.36E-04	-1.53E-04
3.91E+02	-1.30E-04	5.72E-07	-1.24E-04
3.91E+02	-1.93E-04	-1.50E-04	-1.89E-05
3.91E+02	-2.45E-04	-3.10E-04	8.66E-05
3.91E+02	-2.48E-04	-4.11E-04	2.10E-04
3.91E+02	-2.76E-04	-5.07E-04	2.91E-04
3.91E+02	-2.90E-04	-6.06E-04	2.94E-04
3.91E+02	-2.55E-04	-6.57E-04	3.28E-04
3.91E+02	-1.75E-04	-6.87E-04	3.57E-04
3.91E+02	-6.83E-05	-6.89E-04	3.63E-04
3.91E+02	-4.58E-06	-6.80E-04	3.48E-04
3.91E+02	6.48E-05	-6.66E-04	2.70E-04
3.91E+02	1.60E-04	-6.06E-04	1.86E-04
3.91E+02	1.85E-04	-5.50E-04	7.50E-05
3.91E+02	1.72E-04	-5.13E-04	-5.82E-05

3.91E+02	1.35E-04	-4.58E-04	-1.22E-04
3.91E+02	7.10E-05	-4.06E-04	-1.75E-04
3.91E+02	1.16E-05	-3.41E-04	-2.25E-04
3.91E+02	-9.75E-05	-2.59E-04	-2.07E-04
3.91E+02	-1.92E-04	-1.75E-04	-1.39E-04
3.91E+02	-2.23E-04	-5.05E-05	-4.37E-05
3.91E+02	-2.74E-04	5.76E-05	-1.26E-05
3.91E+02	-3.14E-04	1.02E-04	-9.31E-05
3.91E+02	-3.04E-04	1.45E-04	-1.75E-04
3.91E+02	-2.70E-04	1.75E-04	-2.43E-04
3.91E+02	-2.16E-04	1.86E-04	-3.26E-04
3.91E+02	-1.84E-04	1.83E-04	-3.85E-04
3.91E+02	-1.41E-04	1.51E-04	-4.18E-04
3.91E+02	-5.19E-05	1.24E-04	-4.05E-04
3.91E+02	9.54E-07	6.85E-05	-3.71E-04
3.91E+02	3.03E-05	-2.90E-05	-3.77E-04
3.91E+02	7.32E-05	-1.13E-04	-3.48E-04
3.91E+02	1.10E-04	-1.96E-04	-3.01E-04
3.91E+02	1.44E-04	-2.91E-04	-2.91E-04
3.91E+02	1.30E-04	-3.88E-04	-2.26E-04
3.91E+02	1.07E-04	-4.72E-04	-1.08E-04
3.91E+02	1.28E-04	-5.26E-04	3.76E-05
3.91E+02	1.18E-04	-5.66E-04	1.66E-04
3.91E+02	8.68E-05	-5.98E-04	2.24E-04
3.91E+02	9.17E-05	-5.82E-04	3.22E-04
3.91E+02	1.15E-04	-5.16E-04	4.19E-04
3.91E+02	1.27E-04	-4.41E-04	4.09E-04
3.91E+02	8.72E-05	-3.58E-04	3.61E-04
3.91E+02	-1.91E-07	-2.87E-04	2.79E-04
3.91E+02	-6.20E-05	-1.97E-04	1.76E-04
3.91E+02	-1.44E-04	-1.14E-04	7.78E-05
3.91E+02	-2.70E-04	-1.02E-04	-3.62E-05
3.91E+02	-3.56E-04	-9.27E-05	-7.99E-05
3.91E+02	-3.95E-04	-8.77E-05	-7.95E-05
3.91E+02	-3.81E-04	-1.20E-04	-1.44E-04
3.91E+02	-3.53E-04	-1.56E-04	-2.05E-04
3.91E+02	-3.15E-04	-1.80E-04	-2.47E-04
3.91E+02	-2.16E-04	-1.72E-04	-2.98E-04
3.91E+02	-1.29E-04	-1.64E-04	-3.45E-04
3.91E+02	-5.78E-05	-1.84E-04	-4.06E-04
3.91E+02	4.14E-05	-1.81E-04	-4.01E-04
3.91E+02	1.50E-04	-1.46E-04	-3.20E-04
3.91E+02	2.59E-04	-9.56E-05	-2.45E-04
3.91E+02	3.20E-04	-4.41E-05	-1.43E-04
3.91E+02	3.32E-04	-1.47E-05	-3.85E-05
3.91E+02	3.56E-04	5.13E-05	8.14E-05
3.91E+02	3.11E-04	1.09E-04	1.79E-04

3.91E+02	1.80E-04	8.07E-05	1.46E-04
3.91E+02	4.83E-05	6.12E-05	1.46E-04
3.91E+02	-7.51E-05	4.50E-05	1.95E-04
3.91E+02	-1.80E-04	-1.43E-05	1.61E-04
3.91E+02	-3.13E-04	-8.74E-05	1.23E-04
3.91E+02	-4.59E-04	-1.66E-04	9.12E-05
3.91E+02	-5.24E-04	-2.05E-04	6.54E-05
3.91E+02	-5.72E-04	-2.15E-04	3.34E-05
3.91E+02	-6.22E-04	-2.30E-04	-7.46E-05
3.91E+02	-6.01E-04	-2.08E-04	-1.83E-04
3.91E+02	-5.17E-04	-1.63E-04	-2.60E-04
3.91E+02	-3.82E-04	-1.28E-04	-3.32E-04
3.91E+02	-2.47E-04	-9.69E-05	-3.67E-04
3.91E+02	-1.21E-04	-7.27E-05	-4.02E-04
3.91E+02	5.57E-05	-3.64E-05	-4.35E-04
3.91E+02	2.22E-04	1.34E-06	-4.69E-04
3.91E+02	3.26E-04	3.01E-05	-5.37E-04
3.91E+02	4.02E-04	1.06E-04	-5.45E-04
3.91E+02	4.52E-04	2.30E-04	-4.65E-04
3.91E+02	4.67E-04	3.68E-04	-3.49E-04
3.91E+02	4.06E-04	5.00E-04	-1.78E-04
3.91E+02	2.92E-04	6.25E-04	3.30E-05
3.91E+02	1.96E-04	7.46E-04	2.31E-04
3.91E+02	8.81E-05	8.42E-04	3.96E-04
3.91E+02	-3.53E-05	8.89E-04	4.88E-04
3.91E+02	-1.26E-04	8.91E-04	5.22E-04
3.91E+02	-1.70E-04	8.74E-04	5.65E-04
3.91E+02	-1.43E-04	8.38E-04	5.94E-04
3.91E+02	-7.31E-05	7.51E-04	5.94E-04
3.91E+02	-5.91E-06	6.08E-04	5.45E-04
3.91E+02	1.18E-04	4.52E-04	4.38E-04
3.91E+02	2.53E-04	3.04E-04	3.17E-04
3.91E+02	3.15E-04	1.41E-04	1.46E-04
3.91E+02	3.79E-04	9.35E-06	-1.43E-05
3.91E+02	4.37E-04	-8.16E-05	-1.03E-04
3.91E+02	4.72E-04	-1.58E-04	-2.13E-04
3.91E+02	4.82E-04	-2.15E-04	-3.22E-04
3.91E+02	4.38E-04	-2.66E-04	-3.86E-04
3.91E+02	4.21E-04	-2.83E-04	-4.15E-04
3.91E+02	4.14E-04	-2.73E-04	-4.13E-04
3.91E+02	3.68E-04	-2.90E-04	-4.49E-04
3.91E+02	3.30E-04	-3.19E-04	-4.39E-04
3.91E+02	2.98E-04	-3.32E-04	-2.99E-04
3.91E+02	2.68E-04	-3.40E-04	-1.60E-04
3.91E+02	2.07E-04	-3.51E-04	-4.33E-05
3.91E+02	1.28E-04	-3.55E-04	7.97E-05
3.91E+02	9.96E-05	-3.40E-04	1.73E-04

3.91E+02	9.46E-05	-2.93E-04	2.46E-04
3.91E+02	7.88E-05	-2.35E-04	2.46E-04
3.92E+02	6.96E-05	-1.69E-04	2.06E-04
3.92E+02	7.76E-05	-7.11E-05	2.13E-04
3.92E+02	1.05E-04	2.65E-05	1.59E-04
3.92E+02	1.28E-04	1.00E-04	5.21E-05
3.92E+02	1.26E-04	1.70E-04	-3.09E-05
3.92E+02	1.57E-04	2.60E-04	-9.63E-05
3.92E+02	2.02E-04	3.58E-04	-1.21E-04
3.92E+02	1.97E-04	4.23E-04	-1.82E-04
3.92E+02	1.97E-04	4.53E-04	-2.48E-04
3.92E+02	2.15E-04	4.72E-04	-2.31E-04
3.92E+02	2.39E-04	4.90E-04	-2.10E-04
3.92E+02	2.37E-04	5.02E-04	-1.69E-04
3.92E+02	1.83E-04	4.93E-04	-1.29E-04
3.92E+02	1.66E-04	4.75E-04	-1.37E-04
3.92E+02	1.72E-04	4.61E-04	-1.42E-04
3.92E+02	1.46E-04	3.95E-04	-1.90E-04
3.92E+02	1.34E-04	2.94E-04	-2.27E-04
3.92E+02	1.39E-04	2.31E-04	-1.83E-04
3.92E+02	1.66E-04	1.82E-04	-1.80E-04
3.92E+02	1.88E-04	1.47E-04	-2.11E-04
3.92E+02	1.69E-04	1.25E-04	-2.05E-04
3.92E+02	1.84E-04	1.15E-04	-1.68E-04
3.92E+02	2.21E-04	1.31E-04	-8.87E-05
3.92E+02	2.07E-04	1.04E-04	-5.86E-05
3.92E+02	1.93E-04	3.32E-05	-9.44E-05
3.92E+02	1.93E-04	-2.84E-05	-9.63E-05
3.92E+02	1.89E-04	-9.48E-05	-1.11E-04
3.92E+02	1.72E-04	-1.54E-04	-1.60E-04
3.92E+02	9.73E-05	-1.97E-04	-2.01E-04
3.92E+02	3.74E-05	-2.18E-04	-2.28E-04
3.92E+02	7.63E-06	-1.72E-04	-1.99E-04
3.92E+02	-5.93E-05	-1.11E-04	-1.69E-04
3.92E+02	-1.03E-04	-6.07E-05	-1.54E-04
3.92E+02	-1.10E-04	1.26E-05	-6.37E-05
3.92E+02	-9.02E-05	7.36E-05	1.79E-05
3.92E+02	-4.14E-05	1.26E-04	5.97E-05
3.92E+02	-2.02E-05	1.78E-04	1.20E-04
3.92E+02	3.64E-05	2.44E-04	1.68E-04
3.92E+02	1.27E-04	3.44E-04	2.26E-04
3.92E+02	1.55E-04	4.06E-04	2.30E-04
3.92E+02	1.75E-04	4.39E-04	1.78E-04
3.92E+02	1.85E-04	4.72E-04	1.98E-04
3.92E+02	1.74E-04	4.79E-04	2.15E-04
3.92E+02	1.67E-04	4.81E-04	1.91E-04
3.92E+02	1.11E-04	4.66E-04	1.82E-04

3.92E+02	8.64E-05	4.24E-04	1.50E-04
3.92E+02	1.05E-04	3.70E-04	1.03E-04
3.92E+02	9.08E-05	2.88E-04	2.88E-05
3.92E+02	9.46E-05	2.01E-04	-6.85E-05
3.92E+02	1.15E-04	1.35E-04	-8.53E-05
3.92E+02	1.51E-04	6.75E-05	-9.50E-05
3.92E+02	1.84E-04	-7.06E-06	-1.68E-04
3.92E+02	1.60E-04	-7.90E-05	-2.08E-04
3.92E+02	1.34E-04	-1.16E-04	-2.20E-04
3.92E+02	1.16E-04	-9.54E-05	-2.23E-04
3.92E+02	5.05E-05	-7.11E-05	-2.68E-04
3.92E+02	-1.14E-05	-6.12E-05	-3.44E-04
3.92E+02	-3.07E-05	-2.61E-05	-3.18E-04
3.92E+02	-1.39E-05	8.77E-06	-2.46E-04
3.92E+02	2.80E-05	3.76E-05	-2.16E-04
3.92E+02	4.44E-05	6.90E-05	-2.04E-04
3.92E+02	7.08E-05	1.09E-04	-1.80E-04
3.92E+02	1.31E-04	1.62E-04	-1.29E-04
3.92E+02	1.49E-04	1.81E-04	-7.42E-05
3.92E+02	1.53E-04	1.83E-04	-2.33E-05
3.92E+02	1.55E-04	1.98E-04	6.18E-05
3.92E+02	1.46E-04	2.13E-04	1.15E-04
3.92E+02	1.65E-04	2.34E-04	9.69E-05
3.92E+02	1.54E-04	2.42E-04	1.04E-04
3.92E+02	1.55E-04	2.60E-04	1.34E-04
3.92E+02	2.08E-04	2.94E-04	1.44E-04
3.92E+02	2.29E-04	3.06E-04	8.49E-05
3.92E+02	2.33E-04	2.93E-04	-3.51E-05
3.92E+02	2.46E-04	2.69E-04	-9.08E-05
3.92E+02	2.62E-04	2.49E-04	-9.80E-05
3.92E+02	2.94E-04	2.20E-04	-9.65E-05
3.92E+02	2.87E-04	1.87E-04	-6.58E-05
3.92E+02	2.68E-04	1.75E-04	-3.05E-05
3.92E+02	2.87E-04	1.92E-04	4.50E-05
3.92E+02	2.74E-04	2.10E-04	1.05E-04
3.92E+02	2.36E-04	2.01E-04	6.26E-05
3.92E+02	2.06E-04	1.97E-04	1.51E-05
3.92E+02	1.88E-04	1.91E-04	-4.84E-05
3.92E+02	1.91E-04	1.63E-04	-1.53E-04
3.92E+02	1.56E-04	1.38E-04	-1.68E-04
3.92E+02	1.15E-04	1.11E-04	-1.17E-04
3.92E+02	1.05E-04	9.56E-05	-4.08E-05
3.92E+02	4.54E-05	7.23E-05	3.15E-05
3.92E+02	-4.71E-05	7.06E-06	5.34E-06
3.92E+02	-1.36E-04	-4.12E-05	-2.63E-05
3.92E+02	-2.31E-04	-6.77E-05	-2.33E-05
3.92E+02	-3.30E-04	-8.28E-05	-3.91E-05

3.92E+02	-4.66E-04	-8.91E-05	-3.13E-05
3.92E+02	-5.83E-04	-9.98E-05	-8.96E-06
3.92E+02	-6.28E-04	-6.50E-05	3.03E-05
3.92E+02	-6.74E-04	-3.51E-05	6.89E-05
3.92E+02	-7.13E-04	-5.07E-05	5.87E-05
3.92E+02	-6.88E-04	-4.01E-05	9.54E-05
3.92E+02	-5.97E-04	2.29E-06	1.57E-04
3.92E+02	-4.53E-04	5.63E-05	1.40E-04
3.92E+02	-2.91E-04	1.31E-04	1.25E-04
3.92E+02	-9.59E-05	2.32E-04	1.44E-04
3.92E+02	1.58E-04	3.54E-04	2.00E-04
3.92E+02	4.02E-04	4.47E-04	2.56E-04
3.92E+02	6.10E-04	4.59E-04	2.26E-04
3.92E+02	8.04E-04	4.12E-04	1.95E-04
3.92E+02	9.50E-04	3.65E-04	1.78E-04
3.92E+02	1.03E-03	3.31E-04	1.13E-04
3.92E+02	9.96E-04	3.12E-04	2.16E-05
3.92E+02	8.79E-04	3.35E-04	-6.69E-05
3.92E+02	7.71E-04	3.96E-04	-1.14E-04
3.92E+02	6.13E-04	4.62E-04	-1.34E-04
3.92E+02	4.39E-04	5.05E-04	-1.31E-04
3.92E+02	3.14E-04	5.26E-04	-3.30E-05
3.92E+02	2.39E-04	5.28E-04	8.22E-05
3.92E+02	2.31E-04	4.60E-04	8.13E-05
3.92E+02	2.26E-04	3.49E-04	4.04E-05
3.92E+02	2.27E-04	2.59E-04	2.69E-05
3.92E+02	2.75E-04	2.22E-04	4.90E-05
3.92E+02	3.00E-04	2.22E-04	8.13E-05
3.92E+02	2.90E-04	2.11E-04	3.59E-05
3.92E+02	3.02E-04	2.37E-04	1.62E-05
3.92E+02	3.33E-04	3.06E-04	5.49E-05
3.92E+02	3.73E-04	3.81E-04	6.24E-05
3.92E+02	3.67E-04	4.64E-04	8.62E-05
3.92E+02	3.15E-04	5.33E-04	9.59E-05
3.92E+02	3.18E-04	6.30E-04	9.00E-05
3.92E+02	2.87E-04	7.23E-04	9.12E-05
3.92E+02	2.01E-04	7.40E-04	4.81E-05
3.92E+02	1.63E-04	7.49E-04	5.82E-05
3.92E+02	1.35E-04	7.40E-04	1.26E-04
3.92E+02	1.30E-04	6.83E-04	1.41E-04
3.92E+02	1.21E-04	6.28E-04	1.55E-04
3.92E+02	9.69E-05	5.83E-04	1.85E-04
3.92E+02	1.32E-04	5.72E-04	2.40E-04
3.92E+02	1.48E-04	5.76E-04	3.28E-04
3.92E+02	1.12E-04	5.26E-04	3.31E-04
3.92E+02	9.67E-05	4.56E-04	3.15E-04
3.92E+02	9.33E-05	3.86E-04	3.31E-04

3.92E+02	1.13E-04	2.99E-04	2.78E-04
3.92E+02	1.26E-04	2.23E-04	2.14E-04
3.92E+02	1.28E-04	1.58E-04	1.64E-04
3.92E+02	1.93E-04	1.11E-04	1.36E-04
3.92E+02	2.70E-04	7.95E-05	1.73E-04
3.92E+02	3.22E-04	3.87E-05	2.09E-04
3.92E+02	3.76E-04	2.00E-05	2.66E-04
3.92E+02	4.23E-04	3.57E-05	3.57E-04
3.92E+02	4.56E-04	4.39E-05	3.47E-04
3.92E+02	4.37E-04	7.23E-05	2.55E-04
3.92E+02	3.74E-04	1.52E-04	1.79E-04
3.92E+02	3.19E-04	2.61E-04	1.24E-04
3.92E+02	2.49E-04	3.89E-04	9.73E-05
3.92E+02	1.49E-04	4.84E-04	7.69E-05
3.92E+02	6.64E-05	5.42E-04	9.84E-05
3.92E+02	1.26E-05	5.86E-04	1.71E-04
3.92E+02	-1.60E-05	5.83E-04	2.02E-04
3.92E+02	-4.41E-05	5.38E-04	2.04E-04
3.92E+02	-7.51E-05	4.56E-04	1.96E-04
3.92E+02	-3.57E-05	3.79E-04	1.64E-04
3.92E+02	4.35E-05	3.40E-04	1.36E-04
3.92E+02	1.16E-04	2.98E-04	9.16E-05
3.92E+02	2.21E-04	2.87E-04	9.90E-05
3.92E+02	3.40E-04	2.99E-04	1.70E-04
3.92E+02	4.68E-04	2.73E-04	1.79E-04
3.92E+02	5.70E-04	2.30E-04	1.60E-04
3.92E+02	5.89E-04	1.45E-04	9.71E-05
3.92E+02	5.89E-04	5.59E-05	-2.00E-05
3.92E+02	5.85E-04	1.30E-05	-1.09E-04
3.92E+02	5.24E-04	-5.68E-05	-2.42E-04
3.92E+02	4.38E-04	-1.16E-04	-3.53E-04
3.92E+02	3.58E-04	-1.30E-04	-3.53E-04
3.92E+02	2.82E-04	-1.35E-04	-3.36E-04
3.92E+02	1.91E-04	-1.29E-04	-3.28E-04
3.92E+02	8.26E-05	-1.38E-04	-3.35E-04
3.92E+02	1.28E-05	-1.42E-04	-3.36E-04
3.92E+02	-4.01E-05	-1.17E-04	-3.09E-04
3.92E+02	-1.20E-04	-8.56E-05	-3.38E-04
3.92E+02	-1.73E-04	-2.48E-05	-3.63E-04
3.92E+02	-1.89E-04	8.60E-05	-3.00E-04
3.92E+02	-1.66E-04	2.15E-04	-2.69E-04
3.92E+02	-1.09E-04	3.41E-04	-2.61E-04
3.92E+02	-6.45E-05	4.69E-04	-2.11E-04
3.92E+02	2.48E-05	6.15E-04	-1.46E-04
3.92E+02	1.39E-04	7.62E-04	-5.09E-05
3.92E+02	2.01E-04	8.57E-04	-3.09E-05
3.92E+02	2.53E-04	8.98E-04	-8.68E-05

3.92E+02	2.86E-04	9.14E-04	-6.85E-05
3.92E+02	3.02E-04	9.10E-04	-2.29E-05
3.92E+02	2.95E-04	8.81E-04	2.63E-05
3.92E+02	2.45E-04	8.18E-04	9.63E-05
3.92E+02	2.15E-04	7.31E-04	1.68E-04
3.92E+02	1.86E-04	6.32E-04	2.70E-04
3.92E+02	1.23E-04	5.00E-04	3.12E-04
3.92E+02	7.13E-05	3.62E-04	3.02E-04
3.92E+02	4.58E-05	2.76E-04	3.58E-04
3.92E+02	5.42E-05	2.16E-04	3.83E-04
3.92E+02	6.33E-05	1.66E-04	3.48E-04
3.92E+02	4.65E-05	1.32E-04	3.14E-04
3.92E+02	6.20E-05	1.14E-04	2.70E-04
3.92E+02	9.80E-05	1.18E-04	2.14E-04
3.93E+02	9.59E-05	9.37E-05	8.85E-05
3.93E+02	8.58E-05	4.75E-05	-6.52E-05
3.93E+02	8.54E-05	1.47E-05	-1.54E-04
3.93E+02	8.32E-05	-1.11E-05	-2.45E-04
3.93E+02	7.86E-05	-2.50E-05	-3.49E-04
3.93E+02	4.08E-05	-4.08E-05	-4.51E-04
3.93E+02	2.57E-05	-3.28E-05	-5.44E-04
3.93E+02	5.59E-05	1.20E-05	-5.64E-04
3.93E+02	6.54E-05	4.98E-05	-5.75E-04
3.93E+02	9.99E-05	7.63E-05	-6.11E-04
3.93E+02	1.59E-04	9.29E-05	-6.05E-04
3.93E+02	2.30E-04	9.08E-05	-5.97E-04
3.93E+02	3.07E-04	6.47E-05	-5.76E-04
3.93E+02	3.08E-04	7.44E-06	-4.89E-04
3.93E+02	3.05E-04	-3.13E-05	-3.31E-04
3.93E+02	3.27E-04	-2.42E-05	-1.21E-04
3.93E+02	2.87E-04	-4.18E-05	1.98E-05
3.93E+02	2.34E-04	-8.34E-05	9.94E-05
3.93E+02	1.90E-04	-9.54E-05	2.33E-04
3.93E+02	1.36E-04	-9.82E-05	3.70E-04
3.93E+02	6.18E-05	-8.93E-05	4.61E-04
3.93E+02	-4.96E-05	-7.19E-05	5.34E-04
3.93E+02	-1.30E-04	-5.99E-05	5.69E-04
3.93E+02	-1.59E-04	-2.90E-05	5.94E-04
3.93E+02	-1.86E-04	-2.69E-05	5.78E-04
3.93E+02	-1.94E-04	-7.02E-05	4.88E-04
3.93E+02	-1.47E-04	-8.58E-05	4.59E-04
3.93E+02	-6.37E-05	-1.08E-04	4.24E-04
3.93E+02	2.42E-05	-1.57E-04	2.94E-04
3.93E+02	7.93E-05	-2.02E-04	1.76E-04
3.93E+02	1.24E-04	-2.45E-04	5.76E-05
3.93E+02	1.84E-04	-2.55E-04	-3.93E-05
3.93E+02	1.85E-04	-2.72E-04	-1.33E-04

3.93E+02	1.54E-04	-3.10E-04	-2.79E-04
3.93E+02	1.29E-04	-3.07E-04	-3.67E-04
3.93E+02	1.03E-04	-2.89E-04	-4.11E-04
3.93E+02	8.39E-05	-2.59E-04	-4.65E-04
3.93E+02	1.91E-05	-2.22E-04	-4.90E-04
3.93E+02	-3.19E-05	-1.82E-04	-4.91E-04
3.93E+02	-2.96E-05	-1.04E-04	-4.42E-04
3.93E+02	-4.75E-05	-3.51E-05	-3.65E-04
3.93E+02	-6.45E-05	1.53E-05	-2.91E-04
3.93E+02	-6.54E-05	9.78E-05	-1.15E-04
3.93E+02	-4.20E-05	1.82E-04	7.92E-05
3.93E+02	-2.29E-06	2.40E-04	1.89E-04
3.93E+02	-2.29E-06	2.83E-04	2.93E-04
3.93E+02	-1.91E-06	3.15E-04	3.75E-04
3.93E+02	2.04E-05	3.40E-04	4.34E-04
3.93E+02	-7.63E-07	3.34E-04	4.46E-04
3.93E+02	-4.56E-05	2.74E-04	3.73E-04
3.93E+02	-7.65E-05	2.03E-04	3.27E-04
3.93E+02	-8.68E-05	1.43E-04	3.06E-04
3.93E+02	-7.53E-05	7.23E-05	2.51E-04
3.93E+02	-8.70E-05	-1.70E-05	1.91E-04
3.93E+02	-7.40E-05	-1.18E-04	1.37E-04
3.93E+02	-1.91E-07	-2.00E-04	1.33E-04
3.93E+02	5.00E-05	-2.88E-04	1.49E-04
3.93E+02	8.14E-05	-4.01E-04	1.13E-04
3.93E+02	1.30E-04	-4.76E-04	1.03E-04
3.93E+02	1.67E-04	-5.08E-04	1.00E-04
3.93E+02	1.79E-04	-5.14E-04	1.22E-05
3.93E+02	1.28E-04	-4.92E-04	-8.81E-05
3.93E+02	4.84E-05	-4.32E-04	-1.65E-04
3.93E+02	4.20E-06	-3.19E-04	-2.07E-04
3.93E+02	-6.62E-05	-2.14E-04	-2.13E-04
3.93E+02	-1.63E-04	-1.59E-04	-2.52E-04
3.93E+02	-2.32E-04	-1.19E-04	-2.36E-04
3.93E+02	-2.74E-04	-7.02E-05	-1.42E-04
3.93E+02	-2.87E-04	-4.12E-05	-7.92E-05
3.93E+02	-3.10E-04	-1.96E-05	-1.45E-05
3.93E+02	-3.15E-04	1.47E-05	6.43E-05
3.93E+02	-2.68E-04	3.20E-05	1.20E-04
3.93E+02	-2.33E-04	3.03E-05	1.46E-04
3.93E+02	-2.14E-04	-1.49E-05	1.02E-04
3.93E+02	-1.84E-04	-7.15E-05	6.24E-05
3.93E+02	-1.41E-04	-1.04E-04	4.58E-05
3.93E+02	-7.48E-05	-1.55E-04	-3.60E-05
3.93E+02	-2.63E-05	-2.07E-04	-9.94E-05
3.93E+02	2.10E-06	-2.40E-04	-8.74E-05
3.93E+02	7.25E-05	-2.46E-04	-2.77E-05

3.93E+02	1.25E-04	-2.55E-04	5.53E-06
3.93E+02	1.28E-04	-3.08E-04	-7.23E-05
3.93E+02	1.55E-04	-3.49E-04	-1.43E-04
3.93E+02	2.07E-04	-3.60E-04	-1.50E-04
3.93E+02	2.76E-04	-3.56E-04	-1.68E-04
3.93E+02	3.24E-04	-3.38E-04	-1.72E-04
3.93E+02	3.51E-04	-3.34E-04	-1.73E-04
3.93E+02	4.33E-04	-3.15E-04	-1.48E-04
3.93E+02	4.84E-04	-2.84E-04	-7.80E-05
3.93E+02	4.73E-04	-2.83E-04	-5.89E-05
3.93E+02	4.71E-04	-2.50E-04	-7.25E-06
3.93E+02	4.30E-04	-1.96E-04	8.37E-05
3.93E+02	3.66E-04	-1.79E-04	8.03E-05
3.93E+02	2.66E-04	-1.68E-04	8.39E-05
3.93E+02	1.11E-04	-1.67E-04	1.15E-04
3.93E+02	-1.83E-05	-1.59E-04	1.36E-04
3.93E+02	-1.73E-04	-1.33E-04	1.75E-04
3.93E+02	-3.60E-04	-1.48E-04	1.30E-04
3.93E+02	-5.08E-04	-1.63E-04	7.08E-05
3.93E+02	-6.19E-04	-1.50E-04	6.12E-05
3.93E+02	-6.79E-04	-1.62E-04	1.30E-05
3.93E+02	-7.31E-04	-1.84E-04	-8.01E-06
3.93E+02	-7.75E-04	-2.04E-04	-7.63E-07
3.93E+02	-7.38E-04	-2.08E-04	1.14E-06
3.93E+02	-6.61E-04	-1.91E-04	2.04E-05
3.93E+02	-5.86E-04	-1.98E-04	1.07E-05
3.93E+02	-4.77E-04	-2.14E-04	2.52E-05
3.93E+02	-3.40E-04	-2.25E-04	7.57E-05
3.93E+02	-1.83E-04	-2.53E-04	6.96E-05
3.93E+02	-4.20E-05	-2.75E-04	3.15E-05
3.93E+02	5.28E-05	-2.82E-04	-8.58E-06
3.93E+02	1.67E-04	-2.53E-04	-5.72E-05
3.93E+02	2.63E-04	-1.96E-04	-1.01E-04
3.93E+02	2.82E-04	-1.67E-04	-1.65E-04
3.93E+02	2.71E-04	-1.52E-04	-2.02E-04
3.93E+02	2.42E-04	-1.39E-04	-1.81E-04
3.93E+02	1.91E-04	-1.36E-04	-1.82E-04
3.93E+02	1.01E-04	-1.38E-04	-1.92E-04
3.93E+02	-1.43E-05	-1.39E-04	-1.80E-04
3.93E+02	-9.02E-05	-1.37E-04	-1.75E-04
3.93E+02	-1.47E-04	-1.31E-04	-1.46E-04
3.93E+02	-2.01E-04	-1.27E-04	-1.15E-04
3.93E+02	-2.23E-04	-1.28E-04	-8.60E-05
3.93E+02	-2.13E-04	-1.18E-04	8.20E-06
3.93E+02	-1.72E-04	-1.12E-04	7.27E-05
3.93E+02	-1.51E-04	-1.13E-04	9.75E-05
3.93E+02	-1.69E-04	-9.84E-05	1.40E-04

3.93E+02	-1.57E-04	-4.69E-05	1.49E-04
3.93E+02	-1.44E-04	3.53E-05	1.10E-04
3.93E+02	-1.55E-04	9.29E-05	-2.61E-05
3.93E+02	-1.24E-04	1.42E-04	-1.78E-04
3.93E+02	-5.89E-05	2.09E-04	-2.31E-04
3.93E+02	1.28E-05	2.44E-04	-3.04E-04
3.93E+02	6.03E-05	2.53E-04	-3.69E-04
3.93E+02	5.55E-05	2.25E-04	-3.96E-04
3.93E+02	5.97E-05	1.62E-04	-4.70E-04
3.93E+02	6.08E-05	1.06E-04	-5.09E-04
3.93E+02	-7.82E-06	2.42E-05	-5.44E-04
3.93E+02	-8.95E-05	-5.66E-05	-5.90E-04
3.93E+02	-1.36E-04	-8.83E-05	-5.38E-04
3.93E+02	-1.41E-04	-1.24E-04	-4.80E-04
3.93E+02	-1.30E-04	-1.94E-04	-4.33E-04
3.93E+02	-1.51E-04	-2.92E-04	-3.38E-04
3.93E+02	-1.36E-04	-3.86E-04	-2.22E-04
3.93E+02	-1.03E-04	-4.68E-04	-8.75E-05
3.93E+02	-1.17E-04	-5.76E-04	-3.97E-05
3.93E+02	-1.16E-04	-6.80E-04	-4.88E-05
3.93E+02	-1.07E-04	-7.44E-04	4.58E-06
3.93E+02	-1.05E-04	-7.76E-04	1.98E-05
3.93E+02	-1.18E-04	-7.68E-04	-5.15E-06
3.93E+02	-1.78E-04	-7.34E-04	-3.32E-05
3.93E+02	-1.95E-04	-6.81E-04	-9.52E-05
3.93E+02	-1.81E-04	-5.95E-04	-1.20E-04
3.93E+02	-2.08E-04	-5.20E-04	-1.58E-04
3.93E+02	-2.21E-04	-4.56E-04	-2.18E-04
3.93E+02	-2.16E-04	-3.66E-04	-2.02E-04
3.93E+02	-2.00E-04	-2.79E-04	-2.11E-04
3.93E+02	-1.85E-04	-1.98E-04	-2.52E-04
3.93E+02	-2.11E-04	-1.21E-04	-2.38E-04
3.93E+02	-2.20E-04	-3.41E-05	-1.98E-04
3.93E+02	-2.09E-04	7.67E-05	-1.44E-04
3.93E+02	-2.38E-04	1.37E-04	-1.51E-04
3.93E+02	-2.68E-04	1.63E-04	-2.05E-04
3.93E+02	-2.66E-04	2.09E-04	-2.01E-04
3.93E+02	-2.44E-04	2.36E-04	-1.86E-04
3.93E+02	-2.26E-04	2.55E-04	-1.71E-04
3.93E+02	-2.59E-04	2.47E-04	-1.59E-04
3.93E+02	-2.65E-04	2.24E-04	-1.70E-04
3.93E+02	-2.16E-04	2.33E-04	-1.24E-04
3.93E+02	-2.11E-04	2.03E-04	-9.84E-05
3.93E+02	-2.01E-04	1.43E-04	-1.24E-04
3.93E+02	-1.41E-04	1.15E-04	-6.45E-05
3.93E+02	-6.50E-05	7.65E-05	-7.82E-06
3.93E+02	1.11E-05	1.93E-05	3.24E-06

3.93E+02	3.20E-05	-5.09E-05	5.55E-05
3.93E+02	3.74E-05	-1.28E-04	1.03E-04
3.93E+02	5.74E-05	-1.70E-04	1.51E-04
3.93E+02	3.41E-05	-2.15E-04	1.61E-04
3.93E+02	-5.91E-06	-2.78E-04	1.01E-04
3.93E+02	-2.44E-05	-2.99E-04	8.85E-05
3.93E+02	-2.90E-05	-2.79E-04	8.85E-05
3.93E+02	-5.26E-05	-2.56E-04	7.32E-05
3.93E+02	-1.18E-04	-2.30E-04	9.99E-05
3.93E+02	-1.85E-04	-2.11E-04	1.14E-04
3.93E+02	-2.34E-04	-1.83E-04	1.33E-04
3.93E+02	-2.93E-04	-1.80E-04	1.38E-04
3.93E+02	-3.58E-04	-2.10E-04	8.89E-05
3.93E+02	-3.96E-04	-2.10E-04	9.02E-05
3.93E+02	-3.85E-04	-2.15E-04	8.24E-05
3.93E+02	-3.48E-04	-2.27E-04	2.06E-05
3.93E+02	-3.32E-04	-2.36E-04	9.73E-06
3.93E+02	-3.01E-04	-2.67E-04	8.96E-06
3.93E+02	-2.26E-04	-2.92E-04	1.37E-05
3.93E+02	-1.80E-04	-3.49E-04	-2.29E-06
3.93E+02	-1.59E-04	-4.56E-04	-9.54E-05
3.93E+02	-1.24E-04	-5.45E-04	-1.24E-04
3.93E+02	-1.05E-04	-5.97E-04	-9.08E-05
3.93E+02	-1.07E-04	-6.21E-04	-8.01E-05
3.93E+02	-1.52E-04	-6.28E-04	-5.68E-05
3.93E+02	-2.20E-04	-6.36E-04	-6.90E-05
3.94E+02	-2.36E-04	-6.42E-04	-1.09E-04
3.94E+02	-2.65E-04	-6.69E-04	-1.71E-04
3.94E+02	-3.13E-04	-7.39E-04	-2.82E-04
3.94E+02	-3.23E-04	-8.10E-04	-3.20E-04
3.94E+02	-2.97E-04	-8.69E-04	-3.13E-04
3.94E+02	-2.37E-04	-9.36E-04	-3.20E-04
3.94E+02	-1.97E-04	-9.96E-04	-2.55E-04
3.94E+02	-1.45E-04	-1.03E-03	-1.48E-04
3.94E+02	-4.43E-05	-9.94E-04	5.72E-07
3.94E+02	2.99E-05	-9.23E-04	1.14E-04
3.94E+02	9.23E-05	-8.58E-04	8.47E-05
3.94E+02	1.74E-04	-7.37E-04	5.91E-05
3.94E+02	2.70E-04	-5.67E-04	6.37E-05
3.94E+02	3.65E-04	-4.06E-04	3.11E-05
3.94E+02	3.94E-04	-2.47E-04	2.38E-05
3.94E+02	3.92E-04	-1.15E-04	3.47E-05
3.94E+02	4.06E-04	-5.72E-07	6.10E-05
3.94E+02	3.54E-04	1.03E-04	8.32E-05
3.94E+02	2.47E-04	1.67E-04	1.96E-05
3.94E+02	1.55E-04	2.39E-04	-5.55E-05
3.94E+02	6.92E-05	3.20E-04	-1.14E-04

3.94E+02	6.29E-06	3.70E-04	-2.28E-04
3.94E+02	-6.14E-05	3.94E-04	-3.12E-04
3.94E+02	-1.36E-04	3.90E-04	-3.20E-04
3.94E+02	-1.58E-04	3.86E-04	-2.67E-04
3.94E+02	-1.85E-04	3.56E-04	-2.05E-04
3.94E+02	-2.20E-04	2.65E-04	-2.14E-04
3.94E+02	-2.07E-04	1.74E-04	-1.93E-04
3.94E+02	-1.66E-04	1.04E-04	-9.14E-05
3.94E+02	-1.07E-04	4.73E-05	1.34E-05
3.94E+02	-9.12E-05	-1.14E-06	1.23E-04
3.94E+02	-1.06E-04	-6.28E-05	2.36E-04
3.94E+02	-8.60E-05	-1.14E-04	3.35E-04
3.94E+02	-1.03E-04	-1.63E-04	3.91E-04
3.94E+02	-1.58E-04	-2.52E-04	3.67E-04
3.94E+02	-1.89E-04	-3.40E-04	3.30E-04
3.94E+02	-2.04E-04	-4.06E-04	3.14E-04
3.94E+02	-2.03E-04	-4.70E-04	2.46E-04
3.94E+02	-2.21E-04	-5.16E-04	1.61E-04
3.94E+02	-2.56E-04	-5.36E-04	1.06E-04
3.94E+02	-2.54E-04	-5.15E-04	6.18E-05
3.94E+02	-2.64E-04	-4.83E-04	-8.01E-06
3.94E+02	-2.95E-04	-4.97E-04	-1.50E-04
3.94E+02	-2.89E-04	-4.94E-04	-2.61E-04
3.94E+02	-2.57E-04	-4.30E-04	-3.05E-04
3.94E+02	-2.12E-04	-3.55E-04	-3.68E-04
3.94E+02	-1.82E-04	-2.53E-04	-3.63E-04
3.94E+02	-1.62E-04	-1.36E-04	-2.84E-04
3.94E+02	-1.03E-04	-2.65E-05	-2.01E-04
3.94E+02	-5.80E-05	8.41E-05	-9.73E-05
3.94E+02	-3.95E-05	1.61E-04	-3.91E-05
3.94E+02	5.34E-06	2.39E-04	3.78E-05
3.94E+02	7.17E-05	3.25E-04	1.45E-04
3.94E+02	1.65E-04	3.72E-04	1.38E-04
3.94E+02	2.27E-04	3.86E-04	9.35E-05
3.94E+02	2.35E-04	3.65E-04	9.57E-05
3.94E+02	2.63E-04	3.25E-04	1.46E-04
3.94E+02	2.62E-04	2.62E-04	2.21E-04
3.94E+02	2.01E-04	1.63E-04	2.15E-04
3.94E+02	1.51E-04	7.51E-05	2.06E-04
3.94E+02	1.29E-04	2.69E-05	2.58E-04
3.94E+02	1.36E-04	4.39E-06	3.10E-04
3.94E+02	1.42E-04	1.53E-05	3.84E-04
3.94E+02	1.13E-04	4.31E-05	3.89E-04
3.94E+02	1.10E-04	7.34E-05	3.16E-04
3.94E+02	1.06E-04	1.13E-04	2.76E-04
3.94E+02	3.76E-05	1.08E-04	1.97E-04
3.94E+02	-4.35E-05	7.76E-05	1.42E-04

3.94E+02	-1.35E-04	6.56E-05	1.77E-04
3.94E+02	-2.25E-04	3.76E-05	1.81E-04
3.94E+02	-3.23E-04	1.53E-05	1.70E-04
3.94E+02	-4.47E-04	1.83E-05	1.66E-04
3.94E+02	-5.03E-04	5.91E-05	1.50E-04
3.94E+02	-5.27E-04	1.29E-04	1.34E-04
3.94E+02	-5.65E-04	1.64E-04	2.98E-05
3.94E+02	-5.52E-04	1.93E-04	-1.17E-04
3.94E+02	-4.89E-04	2.51E-04	-1.96E-04
3.94E+02	-3.89E-04	3.08E-04	-2.57E-04
3.94E+02	-3.12E-04	3.51E-04	-2.67E-04
3.94E+02	-2.82E-04	3.60E-04	-1.84E-04
3.94E+02	-2.17E-04	3.48E-04	-6.31E-05
3.94E+02	-1.71E-04	3.38E-04	9.27E-05
3.94E+02	-1.91E-04	3.01E-04	1.88E-04
3.94E+02	-2.09E-04	2.46E-04	2.24E-04
3.94E+02	-2.23E-04	2.07E-04	2.95E-04
3.94E+02	-2.25E-04	1.65E-04	2.89E-04
3.94E+02	-2.21E-04	1.03E-04	2.09E-04
3.94E+02	-2.37E-04	3.22E-05	1.45E-04
3.94E+02	-2.19E-04	-1.93E-05	1.09E-04
3.94E+02	-1.91E-04	-6.64E-05	1.05E-04
3.94E+02	-2.10E-04	-1.55E-04	3.60E-05
3.94E+02	-2.42E-04	-2.62E-04	-4.14E-05
3.94E+02	-2.70E-04	-3.49E-04	-5.84E-05
3.94E+02	-2.94E-04	-4.30E-04	-1.35E-04
3.94E+02	-3.26E-04	-4.78E-04	-2.28E-04
3.94E+02	-3.84E-04	-5.06E-04	-2.86E-04
3.94E+02	-3.97E-04	-5.13E-04	-2.94E-04
3.94E+02	-3.80E-04	-4.75E-04	-1.98E-04
3.94E+02	-3.95E-04	-4.66E-04	-1.15E-04
3.94E+02	-3.92E-04	-4.55E-04	-4.60E-05
3.94E+02	-3.81E-04	-4.10E-04	2.71E-05
3.94E+02	-3.35E-04	-3.72E-04	1.81E-05
3.94E+02	-2.59E-04	-3.13E-04	1.70E-05
3.94E+02	-2.14E-04	-2.50E-04	5.13E-05
3.94E+02	-1.20E-04	-1.74E-04	1.06E-04
3.94E+02	-1.20E-05	-7.67E-05	2.10E-04
3.94E+02	3.15E-05	-2.82E-05	2.43E-04
3.94E+02	5.32E-05	-2.52E-05	2.27E-04
3.94E+02	4.81E-05	-2.38E-05	2.53E-04
3.94E+02	2.12E-05	-1.03E-05	2.34E-04
3.94E+02	-3.13E-05	3.49E-05	1.88E-04
3.94E+02	-1.34E-04	1.12E-04	1.81E-04
3.94E+02	-1.93E-04	2.28E-04	1.79E-04
3.94E+02	-2.13E-04	3.78E-04	1.92E-04
3.94E+02	-2.60E-04	4.94E-04	1.92E-04

3.94E+02	-2.75E-04	5.78E-04	1.75E-04
3.94E+02	-2.68E-04	6.37E-04	2.04E-04
3.94E+02	-2.28E-04	6.36E-04	2.14E-04
3.94E+02	-1.87E-04	5.80E-04	1.65E-04
3.94E+02	-2.18E-04	4.66E-04	1.26E-04
3.94E+02	-2.14E-04	3.48E-04	1.33E-04
3.94E+02	-2.06E-04	2.72E-04	1.61E-04
3.94E+02	-2.70E-04	2.00E-04	1.55E-04
3.94E+02	-3.33E-04	1.39E-04	1.43E-04
3.94E+02	-3.79E-04	1.12E-04	1.78E-04
3.94E+02	-3.88E-04	1.01E-04	2.07E-04
3.94E+02	-3.83E-04	9.52E-05	2.15E-04
3.94E+02	-4.14E-04	7.06E-05	2.20E-04
3.94E+02	-4.08E-04	4.90E-05	2.18E-04
3.94E+02	-3.68E-04	6.18E-05	2.16E-04
3.94E+02	-3.68E-04	6.92E-05	1.70E-04
3.94E+02	-3.71E-04	7.93E-05	8.58E-05
3.94E+02	-3.47E-04	9.42E-05	5.30E-05
3.94E+02	-2.98E-04	7.17E-05	1.32E-05
3.94E+02	-2.45E-04	2.82E-05	-4.69E-05
3.94E+02	-2.41E-04	-2.80E-05	-3.49E-05
3.94E+02	-2.35E-04	-8.49E-05	1.53E-06
3.94E+02	-2.12E-04	-1.20E-04	5.78E-05
3.94E+02	-2.49E-04	-1.84E-04	6.90E-05
3.94E+02	-2.85E-04	-2.63E-04	8.20E-06
3.94E+02	-2.79E-04	-2.90E-04	1.34E-05
3.94E+02	-2.74E-04	-3.03E-04	3.24E-06
3.94E+02	-2.50E-04	-2.98E-04	-3.64E-05
3.94E+02	-2.38E-04	-2.67E-04	-2.12E-05
3.94E+02	-2.17E-04	-2.49E-04	4.77E-06
3.94E+02	-1.54E-04	-2.16E-04	8.39E-05
3.94E+02	-1.28E-04	-1.87E-04	1.57E-04
3.94E+02	-1.19E-04	-1.84E-04	1.72E-04
3.94E+02	-7.92E-05	-1.60E-04	2.40E-04
3.94E+02	-2.46E-05	-1.27E-04	2.89E-04
3.94E+02	3.62E-05	-1.13E-04	2.65E-04
3.94E+02	5.59E-05	-1.12E-04	2.62E-04
3.94E+02	6.81E-05	-1.11E-04	2.72E-04
3.94E+02	1.05E-04	-1.04E-04	3.02E-04
3.94E+02	8.62E-05	-1.27E-04	3.09E-04
3.94E+02	4.56E-05	-1.91E-04	2.78E-04
3.94E+02	1.81E-05	-2.41E-04	3.23E-04
3.94E+02	-1.30E-05	-2.69E-04	3.85E-04
3.94E+02	-2.19E-05	-2.64E-04	4.16E-04
3.94E+02	-7.17E-05	-2.33E-04	4.22E-04
3.94E+02	-1.11E-04	-1.79E-04	3.79E-04
3.94E+02	-7.46E-05	-6.14E-05	3.51E-04

3.94E+02	-5.87E-05	4.37E-05	3.02E-04
3.94E+02	-4.83E-05	1.05E-04	2.28E-04
3.94E+02	-3.01E-05	1.73E-04	2.07E-04
3.94E+02	-1.05E-05	1.96E-04	1.76E-04
3.94E+02	1.74E-05	1.91E-04	1.35E-04
3.94E+02	-2.40E-05	1.72E-04	1.60E-04
3.94E+02	-7.71E-05	1.38E-04	2.08E-04
3.94E+02	-7.95E-05	1.44E-04	2.73E-04
3.94E+02	-1.08E-04	1.50E-04	3.19E-04
3.94E+02	-1.43E-04	1.30E-04	2.74E-04
3.94E+02	-1.57E-04	1.30E-04	2.47E-04
3.94E+02	-1.56E-04	1.51E-04	2.62E-04
3.94E+02	-1.40E-04	1.61E-04	2.61E-04
3.94E+02	-1.71E-04	1.34E-04	2.58E-04
3.94E+02	-2.14E-04	8.18E-05	2.16E-04
3.94E+02	-2.15E-04	3.30E-05	1.56E-04
3.94E+02	-2.49E-04	-2.29E-05	1.06E-04
3.94E+02	-3.01E-04	-1.05E-04	4.20E-05
3.94E+02	-3.27E-04	-1.75E-04	3.57E-05
3.94E+02	-3.44E-04	-2.29E-04	6.48E-05
3.94E+02	-3.32E-04	-3.02E-04	6.62E-05
3.94E+02	-3.35E-04	-3.82E-04	1.05E-04
3.94E+02	-3.30E-04	-4.61E-04	1.61E-04
3.94E+02	-2.63E-04	-5.10E-04	2.20E-04
3.94E+02	-2.14E-04	-5.42E-04	2.33E-04
3.94E+02	-1.78E-04	-5.85E-04	1.31E-04
3.94E+02	-1.25E-04	-5.78E-04	5.38E-05
3.94E+02	-7.25E-05	-5.30E-04	1.07E-05
3.94E+02	-8.20E-06	-4.68E-04	-6.29E-05
3.94E+02	-5.72E-06	-3.89E-04	-1.02E-04
3.94E+02	-4.37E-05	-3.13E-04	-9.59E-05
3.94E+02	-4.44E-05	-2.19E-04	-4.37E-05
3.94E+02	-8.03E-05	-1.30E-04	1.47E-05
3.94E+02	-1.46E-04	-5.97E-05	3.85E-05
3.94E+02	-1.93E-04	1.30E-05	7.42E-05
3.94E+02	-2.16E-04	8.39E-05	1.36E-04
3.94E+02	-1.97E-04	1.50E-04	1.85E-04
3.94E+02	-2.03E-04	1.91E-04	2.38E-04
3.95E+02	-1.96E-04	2.25E-04	3.06E-04
3.95E+02	-1.35E-04	2.70E-04	3.69E-04
3.95E+02	-1.05E-04	2.91E-04	3.85E-04
3.95E+02	-9.40E-05	2.68E-04	2.89E-04
3.95E+02	-7.13E-05	2.52E-04	2.03E-04
3.95E+02	-5.23E-05	2.90E-04	1.62E-04
3.95E+02	-2.63E-05	3.43E-04	7.27E-05
3.95E+02	-2.86E-05	3.80E-04	1.37E-05
3.95E+02	-3.97E-05	3.96E-04	-2.61E-05

3.95E+02	1.58E-05	4.02E-04	-4.04E-05
3.95E+02	7.15E-05	3.80E-04	-1.43E-05
3.95E+02	9.99E-05	3.11E-04	-2.98E-05
3.95E+02	1.43E-04	2.47E-04	-1.81E-05
3.95E+02	1.79E-04	1.90E-04	-9.35E-06
3.95E+02	2.32E-04	1.22E-04	-6.77E-05
3.95E+02	2.57E-04	6.68E-05	-8.01E-05
3.95E+02	2.34E-04	2.44E-05	-2.96E-05
3.95E+02	2.52E-04	1.24E-05	5.28E-05
3.95E+02	2.71E-04	1.87E-05	1.47E-04
3.95E+02	2.39E-04	-1.91E-05	1.56E-04
3.95E+02	2.08E-04	-7.32E-05	1.42E-04
3.95E+02	2.01E-04	-1.02E-04	1.89E-04
3.95E+02	1.95E-04	-1.18E-04	2.10E-04
3.95E+02	1.51E-04	-1.12E-04	1.95E-04
3.95E+02	8.05E-05	-9.10E-05	1.52E-04
3.95E+02	5.66E-05	-4.94E-05	1.03E-04
3.95E+02	2.61E-05	1.30E-05	8.60E-05
3.95E+02	-5.93E-05	5.11E-05	3.11E-05
3.95E+02	-1.43E-04	8.28E-05	6.68E-06
3.95E+02	-2.29E-04	1.13E-04	3.81E-05
3.95E+02	-2.99E-04	1.08E-04	4.77E-06
3.95E+02	-3.67E-04	9.02E-05	-5.21E-05
3.95E+02	-4.35E-04	7.11E-05	-8.62E-05
3.95E+02	-4.27E-04	8.79E-05	-8.24E-05
3.95E+02	-3.91E-04	1.43E-04	-3.89E-05
3.95E+02	-3.39E-04	1.76E-04	-3.30E-05
3.95E+02	-2.20E-04	2.11E-04	-6.29E-06
3.95E+02	-5.59E-05	2.51E-04	4.02E-05
3.95E+02	1.40E-04	2.76E-04	1.49E-05
3.95E+02	3.01E-04	2.87E-04	-4.88E-05
3.95E+02	4.07E-04	2.67E-04	-1.39E-04
3.95E+02	5.30E-04	2.54E-04	-2.19E-04
3.95E+02	6.17E-04	2.50E-04	-2.58E-04
3.95E+02	6.31E-04	2.02E-04	-3.20E-04
3.95E+02	6.09E-04	1.40E-04	-3.33E-04
3.95E+02	5.58E-04	8.13E-05	-2.35E-04
3.95E+02	4.96E-04	1.37E-05	-1.40E-04
3.95E+02	3.75E-04	-6.07E-05	-6.20E-05
3.95E+02	2.03E-04	-1.39E-04	4.75E-05
3.95E+02	7.13E-05	-1.59E-04	1.65E-04
3.95E+02	-4.43E-05	-1.21E-04	2.57E-04
3.95E+02	-1.68E-04	-8.68E-05	2.59E-04
3.95E+02	-2.56E-04	-3.78E-05	2.26E-04
3.95E+02	-3.05E-04	3.26E-05	2.15E-04
3.95E+02	-3.10E-04	8.85E-05	1.54E-04
3.95E+02	-2.79E-04	1.30E-04	1.01E-04

3.95E+02	-2.41E-04	1.49E-04	7.93E-05
3.95E+02	-1.43E-04	1.68E-04	3.03E-05
3.95E+02	-1.96E-05	2.08E-04	-2.37E-05
3.95E+02	4.41E-05	2.33E-04	-1.01E-04
3.95E+02	8.49E-05	2.79E-04	-1.59E-04
3.95E+02	1.16E-04	3.52E-04	-1.65E-04
3.95E+02	1.53E-04	4.01E-04	-2.13E-04
3.95E+02	1.63E-04	4.20E-04	-2.79E-04
3.95E+02	1.20E-04	3.94E-04	-3.08E-04
3.95E+02	1.11E-04	3.42E-04	-3.18E-04
3.95E+02	1.14E-04	2.99E-04	-3.05E-04
3.95E+02	9.00E-05	2.30E-04	-3.39E-04
3.95E+02	6.52E-05	1.21E-04	-4.28E-04
3.95E+02	6.28E-05	2.77E-05	-4.59E-04
3.95E+02	8.98E-05	-3.13E-05	-4.34E-04
3.95E+02	7.48E-05	-8.11E-05	-3.69E-04
3.95E+02	1.43E-05	-1.13E-04	-2.63E-04
3.95E+02	-3.43E-06	-1.09E-04	-1.39E-04
3.95E+02	2.67E-06	-8.51E-05	9.54E-06
3.95E+02	-1.43E-05	-7.80E-05	1.01E-04
3.95E+02	-1.07E-05	-8.58E-05	1.37E-04
3.95E+02	2.40E-05	-8.66E-05	1.93E-04
3.95E+02	8.16E-05	-1.14E-04	1.85E-04
3.95E+02	1.47E-04	-1.73E-04	1.18E-04
3.95E+02	1.77E-04	-2.45E-04	6.39E-05
3.95E+02	2.20E-04	-3.18E-04	2.10E-05
3.95E+02	2.92E-04	-3.66E-04	4.39E-06
3.95E+02	3.16E-04	-4.26E-04	-6.22E-05
3.95E+02	3.16E-04	-5.04E-04	-1.76E-04
3.95E+02	3.36E-04	-5.25E-04	-2.27E-04
3.95E+02	3.46E-04	-5.20E-04	-2.67E-04
3.95E+02	3.14E-04	-5.05E-04	-3.13E-04
3.95E+02	2.32E-04	-4.74E-04	-3.21E-04
3.95E+02	1.56E-04	-4.27E-04	-3.09E-04
3.95E+02	9.67E-05	-3.40E-04	-2.55E-04
3.95E+02	9.35E-06	-2.55E-04	-2.16E-04
3.95E+02	-6.64E-05	-1.73E-04	-1.96E-04
3.95E+02	-1.12E-04	-7.21E-05	-1.14E-04
3.95E+02	-1.42E-04	8.96E-06	-6.69E-05
3.95E+02	-1.67E-04	8.24E-05	-5.86E-05
3.95E+02	-2.21E-04	1.55E-04	-2.71E-05
3.95E+02	-2.36E-04	2.32E-04	-2.48E-06
3.95E+02	-2.07E-04	3.29E-04	6.41E-05
3.95E+02	-2.08E-04	3.93E-04	8.83E-05
3.95E+02	-1.87E-04	4.02E-04	4.39E-05
3.95E+02	-1.21E-04	4.08E-04	6.29E-05
3.95E+02	-3.38E-05	4.01E-04	7.93E-05

3.95E+02	7.38E-05	3.76E-04	6.60E-05
3.95E+02	1.67E-04	3.46E-04	6.64E-05
3.95E+02	2.78E-04	3.14E-04	5.86E-05
3.95E+02	4.22E-04	3.10E-04	6.62E-05
3.95E+02	5.11E-04	3.00E-04	5.97E-05
3.95E+02	5.48E-04	2.66E-04	3.57E-05
3.95E+02	5.76E-04	2.51E-04	4.23E-05
3.95E+02	5.84E-04	2.19E-04	3.97E-05
3.95E+02	5.57E-04	1.67E-04	9.73E-06
3.95E+02	4.53E-04	1.24E-04	-1.35E-05
3.95E+02	3.27E-04	9.69E-05	-1.58E-05
3.95E+02	2.25E-04	1.05E-04	7.25E-06
3.95E+02	8.53E-05	1.02E-04	-3.62E-06
3.95E+02	-4.31E-05	6.05E-05	-7.19E-05
3.95E+02	-1.16E-04	1.93E-05	-1.14E-04
3.95E+02	-1.45E-04	-2.33E-05	-1.47E-04
3.95E+02	-1.47E-04	-7.65E-05	-2.14E-04
3.95E+02	-1.62E-04	-1.20E-04	-2.80E-04
3.95E+02	-1.32E-04	-1.40E-04	-3.41E-04
3.95E+02	-5.53E-05	-1.29E-04	-3.66E-04
3.95E+02	-1.20E-05	-1.15E-04	-3.84E-04
3.95E+02	4.58E-06	-1.22E-04	-4.17E-04
3.95E+02	2.14E-05	-1.04E-04	-3.94E-04
3.95E+02	5.93E-05	-6.29E-05	-3.68E-04
3.95E+02	1.03E-04	-3.32E-05	-3.63E-04
3.95E+02	1.04E-04	-5.34E-06	-3.14E-04
3.95E+02	1.17E-04	4.77E-05	-2.27E-04
3.95E+02	1.70E-04	1.28E-04	-1.16E-04
3.95E+02	2.01E-04	1.97E-04	-6.35E-05
3.95E+02	2.09E-04	2.39E-04	-1.12E-04
3.95E+02	2.40E-04	2.83E-04	-1.20E-04
3.95E+02	2.97E-04	3.36E-04	-9.35E-05
3.95E+02	3.50E-04	3.82E-04	-1.11E-04
3.95E+02	3.67E-04	4.08E-04	-1.21E-04
3.95E+02	3.73E-04	4.01E-04	-1.55E-04
3.95E+02	3.98E-04	3.97E-04	-1.79E-04
3.95E+02	3.91E-04	3.89E-04	-1.76E-04
3.95E+02	3.48E-04	3.48E-04	-2.24E-04
3.95E+02	3.23E-04	3.15E-04	-2.15E-04
3.95E+02	2.98E-04	2.85E-04	-1.66E-04
3.95E+02	2.66E-04	2.40E-04	-1.78E-04
3.95E+02	2.14E-04	1.88E-04	-1.92E-04
3.95E+02	1.70E-04	1.34E-04	-1.79E-04
3.95E+02	1.79E-04	1.12E-04	-1.06E-04
3.95E+02	1.85E-04	8.45E-05	-4.22E-05
3.95E+02	1.83E-04	3.24E-05	-5.19E-05
3.95E+02	2.07E-04	5.91E-06	-2.14E-05

3.95E+02	2.50E-04	-1.13E-05	2.59E-05
3.95E+02	3.02E-04	-2.27E-05	5.05E-05
3.95E+02	3.09E-04	-4.10E-05	8.41E-05
3.95E+02	2.97E-04	-7.38E-05	1.06E-04
3.95E+02	3.25E-04	-6.77E-05	1.31E-04
3.95E+02	3.14E-04	-5.84E-05	1.26E-04
3.95E+02	2.78E-04	-6.05E-05	4.22E-05
3.95E+02	2.87E-04	-1.89E-05	-2.38E-05
3.95E+02	3.33E-04	5.04E-05	-3.59E-05
3.95E+02	3.84E-04	1.11E-04	-1.17E-04
3.95E+02	3.99E-04	1.61E-04	-1.94E-04
3.95E+02	4.07E-04	2.09E-04	-2.13E-04
3.95E+02	4.33E-04	2.41E-04	-2.29E-04
3.95E+02	4.27E-04	2.35E-04	-2.27E-04
3.95E+02	3.98E-04	1.75E-04	-2.85E-04
3.95E+02	3.88E-04	1.05E-04	-3.17E-04
3.95E+02	4.08E-04	6.66E-05	-2.63E-04
3.95E+02	4.50E-04	3.41E-05	-2.60E-04
3.95E+02	4.82E-04	1.09E-05	-2.50E-04
3.95E+02	5.16E-04	9.35E-06	-1.91E-04
3.95E+02	5.97E-04	2.65E-05	-1.35E-04
3.95E+02	6.65E-04	4.79E-05	-1.10E-04
3.95E+02	6.69E-04	3.99E-05	-1.91E-04
3.95E+02	6.52E-04	4.88E-05	-2.96E-04
3.95E+02	6.31E-04	6.71E-05	-3.69E-04
3.95E+02	6.01E-04	5.42E-05	-4.40E-04
3.95E+02	5.40E-04	4.44E-05	-3.87E-04
3.95E+02	4.48E-04	2.02E-05	-2.61E-04
3.95E+02	3.82E-04	1.01E-05	-1.48E-04
3.95E+02	3.17E-04	1.66E-05	-6.62E-05
3.95E+02	2.34E-04	-2.00E-05	-1.10E-04
3.95E+02	1.82E-04	-4.71E-05	-1.68E-04
3.95E+02	1.75E-04	-3.99E-05	-1.70E-04
3.95E+02	2.03E-04	-2.59E-05	-1.98E-04
3.95E+02	1.99E-04	3.43E-06	-2.20E-04
3.95E+02	1.85E-04	4.63E-05	-2.29E-04
3.95E+02	2.24E-04	1.17E-04	-2.17E-04
3.95E+02	2.38E-04	1.95E-04	-1.64E-04
3.95E+02	2.17E-04	2.32E-04	-1.50E-04
3.95E+02	1.99E-04	2.64E-04	-1.39E-04
3.95E+02	1.70E-04	2.94E-04	-1.14E-04
3.95E+02	1.47E-04	2.97E-04	-1.51E-04
3.95E+02	9.67E-05	3.00E-04	-1.71E-04
3.95E+02	3.07E-05	3.05E-04	-1.38E-04
3.95E+02	3.07E-05	3.36E-04	-5.23E-05
3.95E+02	3.89E-05	3.74E-04	6.35E-05
3.95E+02	3.34E-05	3.72E-04	1.05E-04

3.95E+02	7.46E-05	3.72E-04	1.30E-04
3.95E+02	1.41E-04	3.82E-04	1.59E-04
3.95E+02	2.22E-04	3.78E-04	1.22E-04
3.96E+02	2.64E-04	3.73E-04	6.03E-05
3.96E+02	2.50E-04	3.56E-04	-3.05E-06
3.96E+02	2.68E-04	3.51E-04	-3.13E-05
3.96E+02	2.54E-04	3.47E-04	-4.96E-06
3.96E+02	1.68E-04	2.92E-04	-1.81E-05
3.96E+02	8.51E-05	2.27E-04	-3.59E-05
3.96E+02	1.16E-05	1.75E-04	6.29E-06
3.96E+02	-4.37E-05	1.20E-04	4.39E-06
3.96E+02	-1.17E-04	6.79E-05	-4.39E-05
3.96E+02	-2.06E-04	2.23E-05	-8.35E-05
3.96E+02	-2.44E-04	7.25E-06	-1.21E-04
3.96E+02	-2.73E-04	-3.24E-06	-1.57E-04
3.96E+02	-3.14E-04	-5.25E-05	-2.25E-04
3.96E+02	-3.27E-04	-1.05E-04	-2.42E-04
3.96E+02	-3.10E-04	-1.42E-04	-1.70E-04
3.96E+02	-2.66E-04	-1.77E-04	-1.12E-04
3.96E+02	-2.31E-04	-2.08E-04	-4.52E-05
3.96E+02	-2.11E-04	-2.19E-04	2.08E-05
3.96E+02	-1.46E-04	-1.83E-04	5.78E-05
3.96E+02	-7.31E-05	-1.15E-04	1.09E-04
3.96E+02	-3.68E-05	-6.05E-05	1.07E-04
3.96E+02	1.72E-06	5.72E-06	9.06E-05
3.96E+02	5.89E-05	7.82E-05	1.33E-04
3.96E+02	1.50E-04	1.11E-04	1.28E-04
3.96E+02	2.39E-04	1.09E-04	1.04E-04
3.96E+02	2.89E-04	6.58E-05	1.06E-04
3.96E+02	3.74E-04	2.96E-05	1.13E-04
3.96E+02	4.55E-04	2.25E-05	1.44E-04
3.96E+02	4.79E-04	-9.35E-06	1.10E-04
3.96E+02	5.07E-04	-4.67E-05	4.16E-05
3.96E+02	5.36E-04	-6.54E-05	6.29E-05
3.96E+02	5.58E-04	-8.18E-05	1.01E-04
3.96E+02	5.42E-04	-1.07E-04	9.82E-05
3.96E+02	4.74E-04	-1.23E-04	9.73E-05
3.96E+02	4.52E-04	-1.07E-04	7.84E-05
3.96E+02	4.34E-04	-6.08E-05	4.48E-05
3.96E+02	3.60E-04	-5.72E-07	-4.58E-06
3.96E+02	2.98E-04	7.78E-05	-5.61E-05
3.96E+02	2.46E-04	1.94E-04	-2.37E-05
3.96E+02	2.08E-04	2.98E-04	3.26E-05
3.96E+02	1.67E-04	3.64E-04	8.66E-05
3.96E+02	9.06E-05	3.94E-04	1.90E-04
3.96E+02	4.98E-05	4.07E-04	2.97E-04
3.96E+02	2.88E-05	4.29E-04	3.89E-04

3.96E+02	-2.75E-05	4.12E-04	3.93E-04
3.96E+02	-6.39E-05	3.80E-04	3.22E-04
3.96E+02	-6.54E-05	3.80E-04	2.90E-04
3.96E+02	-4.50E-05	3.82E-04	2.41E-04
3.96E+02	-2.61E-05	3.88E-04	1.66E-04
3.96E+02	-4.02E-05	3.70E-04	7.67E-05
3.96E+02	-2.78E-05	3.24E-04	-2.94E-05
3.96E+02	2.40E-05	2.78E-04	-7.63E-05
3.96E+02	4.60E-05	1.94E-04	-1.13E-04
3.96E+02	7.02E-05	9.96E-05	-1.43E-04
3.96E+02	1.18E-04	4.50E-05	-7.65E-05
3.96E+02	1.65E-04	-1.72E-06	-1.87E-05
3.96E+02	2.13E-04	-3.38E-05	2.19E-05
3.96E+02	2.06E-04	-6.14E-05	1.10E-04
3.96E+02	1.87E-04	-7.29E-05	1.93E-04
3.96E+02	1.81E-04	-2.84E-05	2.77E-04
3.96E+02	1.04E-04	5.34E-06	2.58E-04
3.96E+02	1.79E-05	1.47E-05	1.63E-04
3.96E+02	-4.06E-05	5.61E-05	1.73E-04
3.96E+02	-7.31E-05	9.69E-05	2.01E-04
3.96E+02	-7.04E-05	1.12E-04	2.26E-04
3.96E+02	-8.64E-05	1.14E-04	3.01E-04
3.96E+02	-5.15E-05	1.08E-04	3.66E-04
3.96E+02	4.63E-05	1.13E-04	4.32E-04
3.96E+02	1.10E-04	9.96E-05	4.14E-04
3.96E+02	1.70E-04	8.11E-05	3.12E-04
3.96E+02	2.45E-04	8.96E-05	2.55E-04
3.96E+02	3.05E-04	8.64E-05	1.72E-04
3.96E+02	3.26E-04	6.83E-05	4.73E-05
3.96E+02	2.87E-04	4.22E-05	-3.66E-05
3.96E+02	2.39E-04	3.57E-05	-7.55E-05
3.96E+02	1.98E-04	5.86E-05	-6.75E-05
3.96E+02	1.17E-04	4.81E-05	-8.14E-05
3.96E+02	3.78E-05	2.65E-05	-1.25E-04
3.96E+02	-6.29E-06	4.44E-05	-1.05E-04
3.96E+02	-3.15E-05	7.59E-05	-6.26E-05
3.96E+02	-3.47E-05	1.08E-04	-4.77E-06
3.96E+02	-6.35E-05	1.34E-04	9.35E-05
3.96E+02	-6.85E-05	1.53E-04	1.83E-04
3.96E+02	-1.58E-05	1.96E-04	2.86E-04
3.96E+02	7.63E-07	2.33E-04	3.67E-04
3.96E+02	1.18E-05	2.59E-04	4.11E-04
3.96E+02	3.59E-05	3.18E-04	4.84E-04
3.96E+02	6.94E-05	3.64E-04	5.17E-04
3.96E+02	1.22E-04	3.86E-04	4.76E-04
3.96E+02	1.19E-04	3.90E-04	4.59E-04
3.96E+02	1.00E-04	3.75E-04	4.76E-04

3.96E+02	9.54E-05	3.69E-04	4.78E-04
3.96E+02	6.33E-05	3.31E-04	4.08E-04
3.96E+02	4.25E-05	2.68E-04	2.53E-04
3.96E+02	5.09E-05	2.16E-04	1.10E-04
3.96E+02	9.86E-05	1.63E-04	4.20E-06
3.96E+02	1.62E-04	1.30E-04	-7.10E-05
3.96E+02	1.74E-04	1.03E-04	-9.40E-05
3.96E+02	1.66E-04	6.52E-05	-1.06E-04
3.96E+02	1.83E-04	5.30E-05	-9.21E-05
3.96E+02	1.45E-04	4.18E-05	-8.58E-05
3.96E+02	6.35E-05	2.44E-05	-1.28E-04
3.96E+02	1.53E-05	5.25E-05	-1.11E-04
3.96E+02	-2.46E-05	9.96E-05	-4.77E-05
3.96E+02	-5.04E-05	1.39E-04	5.34E-06
3.96E+02	-9.57E-05	1.75E-04	8.58E-05
3.96E+02	-1.34E-04	2.01E-04	1.71E-04
3.96E+02	-1.10E-04	2.37E-04	2.86E-04
3.96E+02	-1.19E-04	2.43E-04	3.85E-04
3.96E+02	-1.32E-04	1.81E-04	3.68E-04
3.96E+02	-9.35E-05	1.15E-04	3.20E-04
3.96E+02	-4.62E-05	5.34E-05	2.57E-04
3.96E+02	2.00E-05	-7.63E-06	1.43E-04
3.96E+02	5.38E-05	-3.70E-05	6.83E-05
3.96E+02	4.39E-05	-6.01E-05	3.43E-06
3.96E+02	6.66E-05	-5.13E-05	-4.02E-05
3.96E+02	6.92E-05	-2.37E-05	-4.39E-05
3.96E+02	3.13E-05	-3.78E-05	-1.14E-04
3.96E+02	1.07E-05	-4.23E-05	-1.50E-04
3.96E+02	-8.58E-06	-1.87E-05	-1.32E-04
3.96E+02	-1.43E-05	6.68E-06	-1.62E-04
3.96E+02	-4.25E-05	3.17E-05	-1.45E-04
3.96E+02	-8.75E-05	6.22E-05	-6.68E-05
3.96E+02	-6.50E-05	1.18E-04	5.26E-05
3.96E+02	-5.59E-05	1.67E-04	1.86E-04
3.96E+02	-7.21E-05	1.68E-04	2.44E-04
3.96E+02	-6.24E-05	1.61E-04	3.11E-04
3.96E+02	-5.30E-05	1.63E-04	3.68E-04
3.96E+02	-3.26E-05	1.52E-04	3.29E-04
3.96E+02	-6.69E-05	1.41E-04	2.80E-04
3.96E+02	-1.38E-04	1.32E-04	2.27E-04
3.96E+02	-1.71E-04	1.24E-04	2.08E-04
3.96E+02	-2.34E-04	1.00E-04	2.40E-04
3.96E+02	-3.13E-04	4.54E-05	2.25E-04
3.96E+02	-3.55E-04	-3.43E-06	2.26E-04
3.96E+02	-3.59E-04	-5.57E-05	2.12E-04
3.96E+02	-3.31E-04	-1.34E-04	7.99E-05
3.96E+02	-3.17E-04	-1.96E-04	-5.28E-05

3.96E+02	-2.96E-04	-2.18E-04	-1.63E-04
3.96E+02	-2.36E-04	-2.02E-04	-2.50E-04
3.96E+02	-2.06E-04	-1.83E-04	-2.97E-04
3.96E+02	-2.10E-04	-2.10E-04	-3.88E-04
3.96E+02	-2.14E-04	-2.38E-04	-4.23E-04
3.96E+02	-2.19E-04	-2.49E-04	-3.53E-04
3.96E+02	-2.21E-04	-2.62E-04	-2.54E-04
3.96E+02	-2.71E-04	-2.60E-04	-1.50E-04
3.96E+02	-3.32E-04	-2.40E-04	-9.23E-05
3.96E+02	-3.29E-04	-1.69E-04	-5.70E-05
3.96E+02	-3.23E-04	-5.66E-05	3.81E-06
3.96E+02	-3.42E-04	3.57E-05	4.37E-05
3.96E+02	-3.46E-04	1.18E-04	9.42E-05
3.96E+02	-3.23E-04	1.85E-04	1.57E-04
3.96E+02	-2.89E-04	1.93E-04	1.36E-04
3.96E+02	-2.73E-04	1.68E-04	8.91E-05
3.96E+02	-2.78E-04	1.20E-04	4.86E-05
3.96E+02	-2.68E-04	8.89E-05	1.72E-05
3.96E+02	-2.66E-04	1.11E-04	1.95E-05
3.96E+02	-3.05E-04	1.03E-04	-5.84E-05
3.96E+02	-3.21E-04	8.41E-05	-1.30E-04
3.96E+02	-3.09E-04	8.51E-05	-1.19E-04
3.96E+02	-2.89E-04	5.17E-05	-1.23E-04
3.96E+02	-2.72E-04	6.48E-06	-1.10E-04
3.96E+02	-2.72E-04	-4.37E-05	-9.61E-05
3.96E+02	-2.21E-04	-7.80E-05	-7.69E-05
3.96E+02	-1.61E-04	-8.68E-05	-1.85E-05
3.96E+02	-1.45E-04	-1.22E-04	-1.81E-05
3.96E+02	-1.12E-04	-1.47E-04	-2.99E-05
3.96E+02	-7.15E-05	-1.37E-04	1.93E-05
3.96E+02	-4.06E-05	-1.34E-04	2.29E-05
3.96E+02	-2.86E-05	-1.53E-04	-2.35E-05
3.96E+02	-2.29E-05	-1.68E-04	-4.50E-05
3.96E+02	4.46E-05	-1.54E-04	-2.75E-05
3.96E+02	1.24E-04	-1.30E-04	3.40E-05
3.96E+02	1.68E-04	-1.20E-04	6.45E-05
3.96E+02	2.25E-04	-9.82E-05	9.00E-05
3.96E+02	2.81E-04	-5.63E-05	1.30E-04
3.96E+02	3.32E-04	-3.11E-05	9.12E-05
3.96E+02	3.31E-04	-2.57E-05	5.02E-05
3.96E+02	2.69E-04	-3.11E-05	2.94E-05
3.96E+02	2.52E-04	-3.51E-05	8.01E-06
3.96E+02	2.15E-04	-2.98E-05	2.52E-05
3.96E+02	1.20E-04	-5.40E-05	-2.10E-05
3.96E+02	5.23E-05	-9.10E-05	-8.41E-05
3.96E+02	-1.18E-05	-1.10E-04	-7.99E-05
3.96E+02	-4.65E-05	-1.38E-04	-1.08E-04

3.96E+02	-8.07E-05	-1.71E-04	-1.35E-04
3.96E+02	-1.49E-04	-1.86E-04	-1.23E-04
3.96E+02	-1.60E-04	-1.63E-04	-1.04E-04
3.96E+02	-1.58E-04	-1.15E-04	-6.45E-05
3.96E+02	-1.80E-04	-8.20E-05	-7.02E-05
3.96E+02	-1.85E-04	-6.87E-05	-1.02E-04
3.96E+02	-1.63E-04	-5.28E-05	-7.72E-05
3.96E+02	-1.01E-04	-2.38E-05	-3.85E-05
3.96E+02	-5.44E-05	-2.06E-05	-1.47E-05
3.96E+02	-3.47E-05	-5.72E-05	7.82E-06
3.96E+02	2.61E-05	-9.63E-05	4.44E-05
3.96E+02	8.39E-05	-1.38E-04	9.12E-05
3.96E+02	9.08E-05	-1.96E-04	7.97E-05
3.96E+02	9.46E-05	-2.27E-04	5.99E-05
3.96E+02	1.01E-04	-2.12E-04	8.93E-05
3.97E+02	1.23E-04	-1.79E-04	7.34E-05
3.97E+02	1.31E-04	-1.33E-04	2.46E-05
3.97E+02	7.88E-05	-8.83E-05	-6.10E-06
3.97E+02	4.58E-05	-2.27E-05	-2.48E-05
3.97E+02	3.30E-05	8.30E-05	-1.47E-05
3.97E+02	-8.39E-06	1.46E-04	-5.42E-05
3.97E+02	-3.36E-05	1.78E-04	-1.22E-04
3.97E+02	-1.47E-05	2.18E-04	-1.05E-04
3.97E+02	1.75E-05	2.17E-04	-1.10E-04
3.97E+02	2.37E-05	1.97E-04	-1.53E-04
3.97E+02	8.20E-06	1.77E-04	-1.61E-04
3.97E+02	2.57E-05	1.54E-04	-1.88E-04
3.97E+02	6.77E-05	1.50E-04	-1.91E-04
3.97E+02	8.16E-05	1.31E-04	-1.84E-04
3.97E+02	8.91E-05	9.98E-05	-2.09E-04
3.97E+02	9.10E-05	7.02E-05	-1.85E-04
3.97E+02	7.69E-05	7.25E-06	-1.76E-04
3.97E+02	2.10E-05	-9.52E-05	-2.12E-04
3.97E+02	-1.07E-04	-2.10E-04	-2.11E-04
3.97E+02	-2.28E-04	-2.86E-04	-1.59E-04
3.97E+02	-3.21E-04	-3.04E-04	-4.73E-05
3.97E+02	-4.28E-04	-3.07E-04	3.60E-05
3.97E+02	-4.98E-04	-2.92E-04	6.45E-05
3.97E+02	-5.01E-04	-2.36E-04	1.42E-04
3.97E+02	-4.41E-04	-1.64E-04	2.30E-04
3.97E+02	-3.58E-04	-8.01E-05	2.81E-04
3.97E+02	-2.96E-04	-8.39E-06	2.99E-04
3.97E+02	-1.90E-04	4.33E-05	2.72E-04
3.97E+02	-5.91E-05	9.99E-05	2.56E-04
3.97E+02	1.70E-05	1.18E-04	2.34E-04
3.97E+02	7.00E-05	1.13E-04	2.07E-04
3.97E+02	1.17E-04	1.23E-04	2.44E-04

3.97E+02	1.63E-04	1.27E-04	2.52E-04
3.97E+02	1.89E-04	1.29E-04	2.11E-04
3.97E+02	1.66E-04	1.18E-04	2.02E-04
3.97E+02	1.76E-04	1.19E-04	1.96E-04
3.97E+02	2.20E-04	1.55E-04	1.98E-04
3.97E+02	2.29E-04	1.72E-04	1.33E-04
3.97E+02	2.27E-04	1.64E-04	-1.60E-05
3.97E+02	2.30E-04	1.72E-04	-9.56E-05
3.97E+02	2.56E-04	1.93E-04	-1.47E-04
3.97E+02	2.78E-04	2.33E-04	-2.04E-04
3.97E+02	2.36E-04	2.71E-04	-2.15E-04
3.97E+02	1.98E-04	3.03E-04	-2.03E-04
3.97E+02	1.93E-04	3.50E-04	-1.50E-04
3.97E+02	1.67E-04	3.62E-04	-1.28E-04
3.97E+02	1.47E-04	3.32E-04	-1.42E-04
3.97E+02	1.43E-04	3.09E-04	-7.92E-05
3.97E+02	1.48E-04	2.64E-04	-4.29E-05
3.97E+02	1.73E-04	2.06E-04	-7.80E-05
3.97E+02	1.69E-04	1.59E-04	-8.28E-05
3.97E+02	1.78E-04	1.26E-04	-6.60E-05
3.97E+02	2.34E-04	1.25E-04	-2.12E-05
3.97E+02	2.40E-04	1.03E-04	-2.29E-06
3.97E+02	2.32E-04	6.26E-05	-4.98E-05
3.97E+02	2.47E-04	5.34E-05	-7.34E-05
3.97E+02	2.52E-04	5.72E-05	-8.20E-05
3.97E+02	2.51E-04	7.65E-05	-9.86E-05
3.97E+02	1.91E-04	8.39E-05	-1.05E-04
3.97E+02	1.28E-04	8.53E-05	-1.16E-04
3.97E+02	1.17E-04	1.08E-04	-9.84E-05
3.97E+02	6.24E-05	1.09E-04	-7.40E-05
3.97E+02	-1.53E-05	8.03E-05	-6.29E-05
3.97E+02	-7.72E-05	3.91E-05	2.37E-05
3.97E+02	-1.31E-04	-2.48E-05	1.14E-04
3.97E+02	-1.69E-04	-1.12E-04	1.21E-04
3.97E+02	-2.42E-04	-2.00E-04	1.07E-04
3.97E+02	-3.19E-04	-2.53E-04	5.97E-05
3.97E+02	-3.51E-04	-2.45E-04	1.75E-05
3.97E+02	-4.01E-04	-2.22E-04	-3.55E-05
3.97E+02	-4.46E-04	-2.18E-04	-1.55E-04
3.97E+02	-4.32E-04	-1.99E-04	-2.26E-04
3.97E+02	-3.79E-04	-1.76E-04	-2.51E-04
3.97E+02	-2.93E-04	-1.50E-04	-2.72E-04
3.97E+02	-2.19E-04	-1.44E-04	-2.31E-04
3.97E+02	-1.40E-04	-1.67E-04	-1.48E-04
3.97E+02	-2.77E-05	-1.86E-04	-6.94E-05
3.97E+02	3.72E-05	-2.33E-04	-2.65E-05
3.97E+02	6.85E-05	-2.67E-04	-1.91E-05

3.97E+02	7.65E-05	-2.68E-04	-5.72E-06
3.97E+02	6.33E-05	-2.69E-04	5.91E-06
3.97E+02	5.93E-05	-2.45E-04	-1.49E-05
3.97E+02	5.72E-06	-2.14E-04	-2.73E-05
3.97E+02	-6.07E-05	-1.88E-04	-9.35E-06
3.97E+02	-7.80E-05	-1.36E-04	4.25E-05
3.97E+02	-1.07E-04	-9.19E-05	7.57E-05
3.97E+02	-1.61E-04	-8.68E-05	3.05E-05
3.97E+02	-2.02E-04	-7.55E-05	1.26E-05
3.97E+02	-2.24E-04	-4.62E-05	2.29E-05
3.97E+02	-2.34E-04	-7.82E-06	8.77E-06
3.97E+02	-2.65E-04	4.31E-05	1.68E-05
3.97E+02	-3.04E-04	7.97E-05	4.01E-06
3.97E+02	-3.01E-04	1.17E-04	4.20E-06
3.97E+02	-3.01E-04	1.48E-04	6.48E-06
3.97E+02	-3.31E-04	1.47E-04	-9.94E-05
3.97E+02	-3.48E-04	1.67E-04	-1.93E-04
3.97E+02	-3.56E-04	2.02E-04	-2.41E-04
3.97E+02	-3.70E-04	1.98E-04	-3.28E-04
3.97E+02	-4.09E-04	1.68E-04	-3.59E-04
3.97E+02	-4.45E-04	1.30E-04	-3.13E-04
3.97E+02	-4.24E-04	1.19E-04	-2.11E-04
3.97E+02	-4.05E-04	1.04E-04	-8.91E-05
3.97E+02	-4.05E-04	4.12E-05	-6.83E-05
3.97E+02	-3.67E-04	-2.38E-05	-9.17E-05
3.97E+02	-2.92E-04	-7.82E-05	-9.14E-05
3.97E+02	-2.08E-04	-1.15E-04	-1.00E-04
3.97E+02	-1.75E-04	-1.46E-04	-6.77E-05
3.97E+02	-1.88E-04	-2.08E-04	1.95E-05
3.97E+02	-1.91E-04	-2.57E-04	1.30E-04
3.97E+02	-2.20E-04	-2.98E-04	2.37E-04
3.97E+02	-3.07E-04	-3.66E-04	2.41E-04
3.97E+02	-3.81E-04	-3.98E-04	2.18E-04
3.97E+02	-4.15E-04	-3.81E-04	2.45E-04
3.97E+02	-4.23E-04	-3.78E-04	1.75E-04
3.97E+02	-4.18E-04	-3.81E-04	6.87E-05
3.97E+02	-4.06E-04	-3.95E-04	9.16E-06
3.97E+02	-3.46E-04	-3.98E-04	-2.31E-05
3.97E+02	-2.82E-04	-3.91E-04	-1.91E-05
3.97E+02	-2.43E-04	-4.14E-04	-8.54E-05
3.97E+02	-1.80E-04	-4.06E-04	-1.55E-04
3.97E+02	-1.19E-04	-3.45E-04	-1.75E-04
3.97E+02	-6.43E-05	-2.55E-04	-2.26E-04
3.97E+02	-5.38E-05	-1.36E-04	-2.52E-04
3.97E+02	-8.28E-05	-2.16E-05	-2.45E-04
3.97E+02	-7.40E-05	1.01E-04	-2.01E-04
3.97E+02	-7.31E-05	2.16E-04	-1.13E-04

3.97E+02	-1.04E-04	2.59E-04	-7.42E-05
3.97E+02	-1.32E-04	2.87E-04	-2.88E-05
3.97E+02	-1.36E-04	3.39E-04	8.72E-05
3.97E+02	-1.05E-04	3.44E-04	1.39E-04
3.97E+02	-9.94E-05	3.18E-04	1.72E-04
3.97E+02	-1.19E-04	2.92E-04	2.63E-04
3.97E+02	-9.40E-05	2.75E-04	3.44E-04
3.97E+02	-6.96E-05	2.75E-04	4.01E-04
3.97E+02	-7.93E-05	2.31E-04	3.64E-04
3.97E+02	-6.64E-05	1.67E-04	2.87E-04
3.97E+02	-2.63E-05	1.29E-04	2.81E-04
3.97E+02	1.60E-05	8.56E-05	2.56E-04
3.97E+02	2.48E-05	4.23E-05	1.95E-04
3.97E+02	-1.34E-06	8.20E-06	1.21E-04
3.97E+02	-4.58E-06	-1.64E-05	5.17E-05
3.97E+02	-1.54E-05	-2.69E-05	1.13E-05
3.97E+02	-6.14E-05	-6.50E-05	-7.06E-05
3.97E+02	-1.00E-04	-1.11E-04	-1.50E-04
3.97E+02	-1.17E-04	-1.17E-04	-1.86E-04
3.97E+02	-1.01E-04	-1.27E-04	-2.47E-04
3.97E+02	-8.26E-05	-1.48E-04	-2.72E-04
3.97E+02	-9.73E-05	-1.80E-04	-2.21E-04
3.97E+02	-8.87E-05	-2.18E-04	-1.42E-04
3.97E+02	-7.50E-05	-2.45E-04	-6.12E-05
3.97E+02	-1.05E-04	-3.13E-04	-6.41E-05
3.97E+02	-1.23E-04	-3.79E-04	-7.55E-05
3.97E+02	-1.34E-04	-4.16E-04	-1.75E-05
3.97E+02	-1.40E-04	-4.52E-04	1.91E-06
3.97E+02	-1.44E-04	-4.57E-04	-1.72E-05
3.97E+02	-2.04E-04	-4.54E-04	-4.62E-05
3.97E+02	-2.04E-04	-4.11E-04	-4.06E-05
3.97E+02	-1.40E-04	-3.28E-04	2.71E-05
3.97E+02	-1.23E-04	-2.99E-04	2.21E-05
3.97E+02	-8.68E-05	-2.94E-04	-4.62E-05
3.97E+02	-2.02E-05	-2.83E-04	-6.81E-05
3.97E+02	5.40E-05	-2.82E-04	-1.06E-04
3.97E+02	1.18E-04	-3.01E-04	-1.84E-04
3.97E+02	1.33E-04	-3.35E-04	-2.46E-04
3.97E+02	1.65E-04	-3.43E-04	-2.67E-04
3.97E+02	1.96E-04	-3.15E-04	-2.20E-04
3.97E+02	1.62E-04	-3.04E-04	-1.80E-04
3.97E+02	1.30E-04	-3.04E-04	-1.70E-04
3.97E+02	1.17E-04	-2.56E-04	-8.49E-05
3.97E+02	1.13E-04	-1.91E-04	1.39E-05
3.97E+02	9.82E-05	-1.44E-04	8.13E-05
3.97E+02	4.75E-05	-1.07E-04	1.59E-04
3.97E+02	2.63E-05	-8.56E-05	1.93E-04

3.97E+02	2.46E-05	-6.20E-05	2.11E-04
3.97E+02	-3.62E-05	-6.10E-05	2.09E-04
3.97E+02	-1.12E-04	-8.39E-05	1.48E-04
3.97E+02	-1.66E-04	-9.12E-05	1.06E-04
3.97E+02	-1.89E-04	-9.14E-05	3.93E-05
3.97E+02	-1.87E-04	-9.67E-05	-4.39E-05
3.97E+02	-2.23E-04	-1.14E-04	-5.44E-05
3.97E+02	-2.40E-04	-1.09E-04	-4.29E-05
3.97E+02	-2.22E-04	-5.99E-05	-1.62E-05
3.97E+02	-2.33E-04	-1.66E-05	-4.27E-05
3.97E+02	-2.31E-04	1.22E-05	-1.30E-04
3.97E+02	-2.07E-04	5.19E-05	-1.48E-04
3.97E+02	-1.59E-04	9.56E-05	-1.61E-04
3.97E+02	-1.11E-04	1.24E-04	-1.84E-04
3.97E+02	-1.22E-04	1.23E-04	-1.70E-04
3.97E+02	-1.24E-04	9.16E-05	-1.70E-04
3.97E+02	-1.30E-04	6.22E-05	-1.22E-04
3.97E+02	-1.97E-04	2.98E-05	-6.50E-05
3.97E+02	-2.83E-04	-1.98E-05	-4.56E-05
3.97E+02	-3.65E-04	-3.64E-05	4.06E-05
3.97E+02	-4.12E-04	-4.39E-05	1.08E-04
3.97E+02	-4.36E-04	-6.31E-05	1.33E-04
3.97E+02	-4.76E-04	-7.46E-05	1.95E-04
3.97E+02	-4.69E-04	-9.37E-05	2.34E-04
3.97E+02	-4.02E-04	-1.01E-04	2.80E-04
3.97E+02	-3.51E-04	-1.30E-04	2.88E-04
3.97E+02	-3.10E-04	-1.99E-04	2.38E-04
3.98E+02	-2.45E-04	-2.45E-04	2.31E-04
3.98E+02	-1.61E-04	-2.68E-04	2.03E-04
3.98E+02	-1.04E-04	-2.79E-04	1.33E-04
3.98E+02	-1.12E-04	-2.79E-04	3.64E-05
3.98E+02	-9.33E-05	-2.64E-04	-8.20E-05
3.98E+02	-3.01E-05	-2.17E-04	-1.40E-04
3.98E+02	-9.54E-07	-1.97E-04	-1.95E-04
3.98E+02	3.38E-05	-2.21E-04	-2.71E-04
3.98E+02	9.82E-05	-2.58E-04	-2.69E-04
3.98E+02	1.80E-04	-3.23E-04	-2.54E-04
3.98E+02	2.83E-04	-4.06E-04	-2.77E-04
3.98E+02	3.47E-04	-4.87E-04	-2.46E-04
3.98E+02	3.90E-04	-5.47E-04	-1.78E-04
3.98E+02	4.55E-04	-5.52E-04	-1.06E-04
3.98E+02	4.59E-04	-5.50E-04	-4.86E-05
3.98E+02	4.24E-04	-5.62E-04	-2.69E-05
3.98E+02	3.98E-04	-5.45E-04	3.20E-05
3.98E+02	3.65E-04	-4.96E-04	1.26E-04
3.98E+02	3.44E-04	-4.36E-04	1.76E-04
3.98E+02	2.76E-04	-3.87E-04	1.72E-04

3.98E+02	2.13E-04	-3.37E-04	1.66E-04
3.98E+02	2.17E-04	-2.74E-04	1.91E-04
3.98E+02	1.77E-04	-2.40E-04	1.66E-04
3.98E+02	1.13E-04	-2.25E-04	7.57E-05
3.98E+02	6.98E-05	-2.00E-04	1.56E-05
3.98E+02	4.08E-05	-1.90E-04	-2.02E-05
3.98E+02	3.41E-05	-1.82E-04	-9.08E-05
3.98E+02	-1.01E-05	-1.83E-04	-1.61E-04
3.98E+02	-5.15E-05	-2.04E-04	-1.98E-04
3.98E+02	-3.95E-05	-2.00E-04	-1.82E-04
3.98E+02	-6.05E-05	-1.97E-04	-1.56E-04
3.98E+02	-9.96E-05	-2.29E-04	-2.08E-04
3.98E+02	-1.09E-04	-2.48E-04	-2.12E-04
3.98E+02	-1.19E-04	-2.57E-04	-1.56E-04
3.98E+02	-1.17E-04	-2.72E-04	-1.59E-04
3.98E+02	-1.38E-04	-2.84E-04	-1.33E-04
3.98E+02	-1.58E-04	-3.01E-04	-8.72E-05
3.98E+02	-1.11E-04	-3.08E-04	-8.37E-05
3.98E+02	-7.40E-05	-3.10E-04	-7.51E-05
3.98E+02	-6.69E-05	-3.32E-04	-5.11E-05
3.98E+02	-2.54E-05	-3.33E-04	4.29E-05
3.98E+02	4.60E-05	-3.06E-04	1.69E-04
3.98E+02	1.16E-04	-3.09E-04	1.96E-04
3.98E+02	1.32E-04	-3.40E-04	1.96E-04
3.98E+02	1.38E-04	-3.73E-04	2.38E-04
3.98E+02	1.88E-04	-4.02E-04	2.84E-04
3.98E+02	2.07E-04	-4.43E-04	3.02E-04
3.98E+02	1.94E-04	-5.13E-04	2.40E-04
3.98E+02	1.89E-04	-5.75E-04	1.96E-04
3.98E+02	1.80E-04	-6.22E-04	1.94E-04
3.98E+02	1.76E-04	-6.66E-04	1.46E-04
3.98E+02	1.16E-04	-6.88E-04	9.52E-05
3.98E+02	3.49E-05	-6.87E-04	-4.39E-06
3.98E+02	1.11E-05	-6.47E-04	-1.39E-04
3.98E+02	-2.75E-05	-5.78E-04	-2.39E-04
3.98E+02	-6.62E-05	-5.06E-04	-3.58E-04
3.98E+02	-5.91E-05	-3.96E-04	-3.89E-04
3.98E+02	-4.86E-05	-2.68E-04	-3.20E-04
3.98E+02	-1.11E-05	-1.57E-04	-3.07E-04
3.98E+02	4.77E-06	-4.86E-05	-2.83E-04
3.98E+02	-1.35E-05	6.31E-05	-2.30E-04
3.98E+02	2.56E-05	2.03E-04	-1.67E-04
3.98E+02	3.91E-05	3.25E-04	-8.14E-05
3.98E+02	-8.96E-06	3.68E-04	-7.17E-05
3.98E+02	-4.12E-05	3.81E-04	-5.51E-05
3.98E+02	-6.16E-05	3.76E-04	1.70E-05
3.98E+02	-6.71E-05	3.38E-04	6.47E-05

3.98E+02	-9.71E-05	2.78E-04	1.34E-04
3.98E+02	-1.47E-04	1.96E-04	2.08E-04
3.98E+02	-1.28E-04	1.38E-04	2.69E-04
3.98E+02	-9.42E-05	9.35E-05	3.11E-04
3.98E+02	-8.22E-05	2.92E-05	2.79E-04
3.98E+02	-4.37E-05	-7.25E-06	2.80E-04
3.98E+02	7.63E-07	-1.83E-05	3.38E-04
3.98E+02	4.06E-05	-4.58E-05	3.16E-04
3.98E+02	4.02E-05	-7.65E-05	2.50E-04
3.98E+02	1.53E-05	-7.74E-05	2.03E-04
3.98E+02	3.34E-05	-3.49E-05	1.81E-04
3.98E+02	3.74E-05	3.43E-05	1.76E-04
3.98E+02	1.64E-05	8.66E-05	1.08E-04
3.98E+02	7.25E-06	1.38E-04	6.52E-05
3.98E+02	2.29E-06	2.25E-04	8.75E-05
3.98E+02	-6.87E-06	2.99E-04	7.63E-05
3.98E+02	-5.00E-05	3.46E-04	9.21E-05
3.98E+02	-1.09E-04	3.62E-04	9.57E-05
3.98E+02	-1.43E-04	3.53E-04	4.48E-05
3.98E+02	-1.67E-04	3.37E-04	1.05E-05
3.98E+02	-1.96E-04	2.80E-04	-5.19E-05
3.98E+02	-2.14E-04	2.19E-04	-8.03E-05
3.98E+02	-2.01E-04	1.54E-04	-2.52E-05
3.98E+02	-1.56E-04	5.65E-05	-2.17E-05
3.98E+02	-1.38E-04	-5.82E-05	-5.36E-05
3.98E+02	-1.46E-04	-1.87E-04	-4.23E-05
3.98E+02	-1.08E-04	-2.80E-04	1.93E-05
3.98E+02	-6.16E-05	-3.45E-04	1.08E-04
3.98E+02	-5.80E-05	-4.36E-04	1.32E-04
3.98E+02	-4.12E-05	-5.08E-04	1.17E-04
3.98E+02	1.24E-05	-5.33E-04	1.01E-04
3.98E+02	7.88E-05	-5.19E-04	2.98E-05
3.98E+02	1.31E-04	-4.79E-04	-5.44E-05
3.98E+02	1.43E-04	-4.46E-04	-1.21E-04
3.98E+02	1.77E-04	-4.11E-04	-1.55E-04
3.98E+02	2.31E-04	-3.55E-04	-1.31E-04
3.98E+02	2.41E-04	-3.17E-04	-1.05E-04
3.98E+02	2.54E-04	-2.72E-04	-5.87E-05
3.98E+02	2.66E-04	-2.03E-04	1.54E-05
3.98E+02	2.74E-04	-1.49E-04	1.62E-05
3.98E+02	2.70E-04	-1.08E-04	-1.41E-05
3.98E+02	2.26E-04	-5.82E-05	-1.72E-06
3.98E+02	2.21E-04	8.58E-06	2.37E-05
3.98E+02	2.26E-04	7.27E-05	5.86E-05
3.98E+02	1.72E-04	7.44E-05	5.47E-05
3.98E+02	1.21E-04	1.58E-05	3.07E-05
3.98E+02	7.95E-05	-6.58E-05	5.28E-05

3.98E+02	4.63E-05	-1.51E-04	5.26E-05
3.98E+02	6.87E-06	-2.18E-04	3.34E-05
3.98E+02	-6.75E-05	-2.65E-04	2.56E-05
3.98E+02	-8.89E-05	-2.65E-04	6.10E-06
3.98E+02	-7.65E-05	-2.24E-04	2.40E-05
3.98E+02	-1.01E-04	-2.00E-04	2.06E-05
3.98E+02	-1.15E-04	-1.64E-04	-2.21E-05
3.98E+02	-1.27E-04	-1.03E-04	-5.15E-06
3.98E+02	-1.30E-04	-5.99E-05	-7.63E-07
3.98E+02	-1.36E-04	-2.88E-05	-3.99E-05
3.98E+02	-1.89E-04	-2.86E-06	-4.58E-05
3.98E+02	-2.05E-04	5.28E-05	-1.56E-05
3.98E+02	-2.15E-04	1.21E-04	1.53E-06
3.98E+02	-2.57E-04	1.35E-04	-5.84E-05
3.98E+02	-2.52E-04	1.29E-04	-1.16E-04
3.98E+02	-2.23E-04	1.25E-04	-8.14E-05
3.98E+02	-1.62E-04	7.84E-05	-5.09E-05
3.98E+02	-9.57E-05	-6.87E-06	-3.30E-05
3.98E+02	-8.54E-05	-1.02E-04	4.58E-06
3.98E+02	-3.68E-05	-1.77E-04	1.20E-05
3.98E+02	3.93E-05	-2.03E-04	7.44E-06
3.98E+02	5.17E-05	-2.37E-04	-4.20E-05
3.98E+02	5.84E-05	-2.59E-04	-8.34E-05
3.98E+02	7.08E-05	-2.36E-04	-3.11E-05
3.98E+02	8.74E-05	-2.21E-04	-1.47E-05
3.98E+02	1.20E-04	-1.93E-04	-2.33E-05
3.98E+02	1.05E-04	-1.70E-04	7.44E-06
3.98E+02	1.09E-04	-1.32E-04	5.57E-05
3.98E+02	1.57E-04	-4.62E-05	1.41E-04
3.98E+02	1.53E-04	-7.44E-06	1.44E-04
3.98E+02	1.33E-04	1.14E-05	9.88E-05
3.98E+02	1.38E-04	6.50E-05	1.41E-04
3.98E+02	1.40E-04	1.11E-04	1.64E-04
3.98E+02	1.15E-04	1.44E-04	1.54E-04
3.98E+02	6.24E-05	1.57E-04	1.72E-04
3.98E+02	4.10E-05	1.62E-04	2.11E-04
3.98E+02	4.27E-05	1.72E-04	2.57E-04
3.98E+02	1.16E-05	1.42E-04	2.42E-04
3.98E+02	-1.83E-05	8.70E-05	1.81E-04
3.98E+02	-2.88E-05	5.00E-05	1.76E-04
3.98E+02	-3.43E-05	-4.01E-06	1.54E-04
3.98E+02	-3.81E-05	-6.79E-05	4.04E-05
3.98E+02	-6.50E-05	-1.10E-04	-5.86E-05
3.98E+02	-6.69E-05	-1.14E-04	-9.19E-05
3.98E+02	-4.01E-05	-7.76E-05	-8.18E-05
3.98E+02	-4.77E-05	-6.75E-05	-1.03E-04
3.98E+02	-4.52E-05	-9.56E-05	-1.76E-04

3.98E+02	-1.91E-05	-1.10E-04	-1.72E-04
3.98E+02	1.66E-05	-1.09E-04	-1.22E-04
3.98E+02	4.43E-05	-1.04E-04	-9.92E-05
3.98E+02	2.33E-05	-1.04E-04	-9.63E-05
3.98E+02	2.98E-05	-9.02E-05	-1.18E-04
3.98E+02	6.94E-05	-5.11E-05	-1.05E-04
3.98E+02	6.29E-05	-3.99E-05	-1.21E-04
3.98E+02	5.87E-05	-5.40E-05	-1.77E-04
3.98E+02	7.76E-05	-6.35E-05	-1.41E-04
3.98E+02	1.03E-04	-9.44E-05	-8.37E-05
3.98E+02	1.19E-04	-1.50E-04	-5.61E-05
3.98E+02	6.07E-05	-2.33E-04	-2.88E-05
3.98E+02	1.68E-05	-3.10E-04	-2.12E-05
3.98E+02	4.10E-05	-3.13E-04	5.04E-05
3.98E+02	7.82E-06	-3.08E-04	1.06E-04
3.98E+02	-3.57E-05	-3.35E-04	8.89E-05
3.98E+02	-2.52E-05	-3.21E-04	1.37E-04
3.98E+02	-4.58E-06	-2.89E-04	1.67E-04
3.98E+02	3.30E-05	-2.69E-04	1.58E-04
3.98E+02	3.60E-05	-2.40E-04	1.65E-04
3.98E+02	3.62E-05	-2.15E-04	1.19E-04
3.98E+02	9.96E-05	-1.64E-04	6.16E-05
3.98E+02	1.27E-04	-1.08E-04	8.20E-06
3.98E+02	1.20E-04	-7.74E-05	-4.65E-05
3.98E+02	1.26E-04	-1.81E-05	-6.01E-05
3.98E+02	1.48E-04	5.38E-05	-7.19E-05
3.98E+02	1.78E-04	1.01E-04	-9.82E-05
3.98E+02	1.53E-04	1.29E-04	-7.34E-05
3.98E+02	1.37E-04	1.63E-04	-5.53E-06
3.98E+02	1.59E-04	1.97E-04	3.95E-05
3.98E+02	1.50E-04	1.98E-04	3.85E-05
3.98E+02	1.53E-04	1.77E-04	2.67E-06
3.98E+02	1.69E-04	1.56E-04	4.77E-06
3.98E+02	2.00E-04	1.38E-04	-2.29E-06
3.98E+02	2.50E-04	1.20E-04	-6.60E-05
3.98E+02	2.64E-04	8.45E-05	-7.23E-05
3.98E+02	2.71E-04	3.59E-05	-5.26E-05
3.98E+02	2.86E-04	-1.13E-05	-3.64E-05
3.98E+02	2.58E-04	-7.69E-05	-1.68E-05
3.99E+02	1.88E-04	-1.56E-04	-3.99E-05
3.99E+02	1.03E-04	-2.06E-04	-2.54E-05
3.99E+02	3.38E-05	-2.17E-04	-2.73E-05
3.99E+02	-1.03E-05	-2.00E-04	-1.19E-04
3.99E+02	-5.76E-05	-1.65E-04	-1.67E-04
3.99E+02	-8.32E-05	-1.14E-04	-1.46E-04
3.99E+02	-4.62E-05	-3.97E-05	-8.28E-05
3.99E+02	-1.20E-05	8.96E-06	-3.22E-05

3.99E+02	4.58E-06	-5.53E-06	-3.41E-05
3.99E+02	5.61E-05	-3.05E-05	2.94E-05
3.99E+02	1.19E-04	-2.96E-05	1.38E-04
3.99E+02	1.78E-04	-3.81E-07	1.96E-04
3.99E+02	2.00E-04	5.15E-05	2.17E-04
3.99E+02	2.13E-04	1.03E-04	2.13E-04
3.99E+02	2.68E-04	1.73E-04	2.32E-04
3.99E+02	2.84E-04	2.42E-04	2.31E-04
3.99E+02	2.69E-04	2.62E-04	1.54E-04
3.99E+02	2.74E-04	2.89E-04	1.31E-04
3.99E+02	2.79E-04	3.13E-04	1.54E-04
3.99E+02	2.91E-04	3.05E-04	8.81E-05
3.99E+02	2.81E-04	3.05E-04	2.57E-05
3.99E+02	2.70E-04	2.95E-04	2.94E-05
3.99E+02	2.94E-04	2.98E-04	7.59E-05
3.99E+02	2.83E-04	2.76E-04	1.38E-04
3.99E+02	2.58E-04	1.95E-04	1.29E-04
3.99E+02	2.70E-04	1.30E-04	1.48E-04
3.99E+02	2.87E-04	6.39E-05	2.16E-04
3.99E+02	3.18E-04	-9.54E-07	2.04E-04
3.99E+02	3.28E-04	-3.55E-05	1.62E-04
3.99E+02	3.27E-04	-5.55E-05	1.09E-04
3.99E+02	3.79E-04	-2.96E-05	6.41E-05
3.99E+02	4.00E-04	5.15E-06	5.28E-05
3.99E+02	3.69E-04	1.07E-05	-1.91E-07
3.99E+02	3.52E-04	3.36E-05	-8.96E-06
3.99E+02	3.43E-04	6.39E-05	4.83E-05
3.99E+02	3.55E-04	6.98E-05	3.64E-05
3.99E+02	3.42E-04	5.82E-05	-1.28E-05
3.99E+02	3.06E-04	4.35E-05	-6.47E-05
3.99E+02	3.15E-04	5.26E-05	-9.57E-05
3.99E+02	3.02E-04	7.38E-05	-1.08E-04
3.99E+02	2.59E-04	6.20E-05	-1.87E-04
3.99E+02	2.40E-04	5.51E-05	-2.39E-04
3.99E+02	2.43E-04	9.33E-05	-2.17E-04
3.99E+02	2.69E-04	1.42E-04	-2.08E-04
3.99E+02	2.65E-04	1.92E-04	-1.88E-04
3.99E+02	2.41E-04	2.50E-04	-1.62E-04
3.99E+02	2.60E-04	3.37E-04	-1.11E-04
3.99E+02	2.51E-04	4.27E-04	-4.06E-05
3.99E+02	1.87E-04	4.68E-04	-2.88E-05
3.99E+02	1.02E-04	5.04E-04	1.60E-05
3.99E+02	1.70E-05	5.13E-04	7.04E-05
3.99E+02	-2.57E-05	4.67E-04	6.12E-05
3.99E+02	-7.61E-05	3.92E-04	7.53E-05
3.99E+02	-1.50E-04	2.78E-04	1.09E-04
3.99E+02	-1.69E-04	1.97E-04	1.68E-04

3.99E+02	-1.79E-04	1.45E-04	2.15E-04
3.99E+02	-2.09E-04	5.42E-05	1.52E-04
3.99E+02	-2.17E-04	-2.00E-05	7.25E-05
3.99E+02	-2.13E-04	-7.04E-05	3.81E-05
3.99E+02	-1.93E-04	-1.05E-04	-9.73E-06
3.99E+02	-1.91E-04	-1.23E-04	-5.05E-05
3.99E+02	-2.18E-04	-1.59E-04	-6.66E-05
3.99E+02	-1.95E-04	-1.73E-04	-6.64E-05
3.99E+02	-1.73E-04	-1.65E-04	-2.38E-05
3.99E+02	-1.94E-04	-1.81E-04	8.01E-06
3.99E+02	-2.01E-04	-1.75E-04	3.89E-05
3.99E+02	-1.92E-04	-1.22E-04	1.18E-04
3.99E+02	-1.48E-04	-6.24E-05	1.24E-04
3.99E+02	-9.40E-05	-3.81E-06	7.61E-05
3.99E+02	-7.25E-05	6.16E-05	6.12E-05
3.99E+02	-1.47E-05	1.50E-04	4.56E-05
3.99E+02	4.20E-05	2.46E-04	1.74E-05
3.99E+02	3.38E-05	3.08E-04	-7.00E-05
3.99E+02	3.05E-05	3.61E-04	-1.34E-04
3.99E+02	2.61E-05	4.27E-04	-1.17E-04
3.99E+02	2.31E-05	4.84E-04	-1.16E-04
3.99E+02	1.62E-05	5.28E-04	-8.70E-05
3.99E+02	-4.06E-05	5.30E-04	-4.69E-05
3.99E+02	-5.97E-05	5.07E-04	-2.35E-05
3.99E+02	-4.92E-05	4.89E-04	4.35E-05
3.99E+02	-7.08E-05	4.13E-04	6.20E-05
3.99E+02	-5.99E-05	3.00E-04	2.94E-05
3.99E+02	-2.44E-05	2.08E-04	2.77E-05
3.99E+02	2.23E-05	1.02E-04	-1.11E-05
3.99E+02	5.78E-05	9.54E-07	-7.61E-05
3.99E+02	4.62E-05	-7.23E-05	-1.09E-04
3.99E+02	6.87E-05	-1.18E-04	-1.13E-04
3.99E+02	9.25E-05	-1.38E-04	-9.59E-05
3.99E+02	7.02E-05	-1.72E-04	-1.30E-04
3.99E+02	5.89E-05	-1.90E-04	-1.74E-04
3.99E+02	4.35E-05	-1.58E-04	-1.46E-04
3.99E+02	3.91E-05	-9.29E-05	-1.23E-04
3.99E+02	1.85E-05	4.58E-06	-9.42E-05
3.99E+02	-5.55E-05	7.95E-05	-4.20E-05
3.99E+02	-9.08E-05	1.41E-04	-6.68E-06
3.99E+02	-9.40E-05	2.08E-04	5.00E-05
3.99E+02	-1.29E-04	2.17E-04	6.26E-05
3.99E+02	-1.36E-04	2.04E-04	1.79E-05
3.99E+02	-9.48E-05	1.87E-04	2.35E-05
3.99E+02	-1.95E-05	1.37E-04	-9.92E-06
3.99E+02	8.72E-05	8.89E-05	-7.82E-05
3.99E+02	1.56E-04	3.15E-05	-8.20E-05

3.99E+02	2.30E-04	-1.24E-05	-6.79E-05
3.99E+02	3.19E-04	-1.91E-05	-2.21E-05
3.99E+02	3.23E-04	-6.79E-05	-1.68E-05
3.99E+02	3.21E-04	-1.20E-04	-5.53E-05
3.99E+02	3.29E-04	-1.19E-04	-2.48E-05
3.99E+02	2.99E-04	-1.13E-04	-2.29E-05
3.99E+02	2.46E-04	-1.03E-04	-6.77E-05
3.99E+02	1.44E-04	-9.27E-05	-1.01E-04
3.99E+02	6.52E-05	-8.53E-05	-1.40E-04
3.99E+02	3.32E-05	-6.81E-05	-1.27E-04
3.99E+02	-2.99E-05	-6.85E-05	-9.42E-05
3.99E+02	-7.48E-05	-7.15E-05	-9.73E-05
3.99E+02	-8.66E-05	-5.40E-05	-6.58E-05
3.99E+02	-6.75E-05	-2.56E-05	-5.26E-05
3.99E+02	-1.45E-05	0.00E+00	-6.35E-05
3.99E+02	1.11E-05	1.01E-05	-1.22E-05
3.99E+02	6.39E-05	3.22E-05	5.61E-05
3.99E+02	1.51E-04	7.08E-05	1.10E-04
3.99E+02	1.79E-04	8.56E-05	7.74E-05
3.99E+02	1.98E-04	8.03E-05	-3.66E-05
3.99E+02	2.24E-04	6.18E-05	-9.84E-05
3.99E+02	2.42E-04	4.63E-05	-1.30E-04
3.99E+02	2.51E-04	6.12E-05	-1.71E-04
3.99E+02	1.98E-04	7.67E-05	-2.35E-04
3.99E+02	1.63E-04	9.06E-05	-3.17E-04
3.99E+02	1.75E-04	1.23E-04	-3.25E-04
3.99E+02	1.45E-04	1.33E-04	-2.95E-04
3.99E+02	1.07E-04	1.21E-04	-2.81E-04
3.99E+02	7.63E-05	1.31E-04	-1.89E-04
3.99E+02	4.88E-05	1.48E-04	-8.79E-05
3.99E+02	3.09E-05	1.70E-04	-5.76E-05
3.99E+02	-3.20E-05	1.94E-04	-3.05E-05
3.99E+02	-8.96E-05	2.32E-04	4.01E-06
3.99E+02	-1.04E-04	3.00E-04	5.99E-05
3.99E+02	-1.34E-04	3.48E-04	8.26E-05
3.99E+02	-1.67E-04	3.55E-04	2.33E-05
3.99E+02	-1.66E-04	3.62E-04	9.54E-07
3.99E+02	-1.19E-04	3.56E-04	-5.72E-07
3.99E+02	-5.34E-05	3.07E-04	-5.07E-05
3.99E+02	-1.91E-05	2.23E-04	-7.86E-05
3.99E+02	7.63E-06	1.13E-04	-1.24E-04
3.99E+02	6.31E-05	2.65E-05	-1.71E-04
3.99E+02	9.63E-05	-2.84E-05	-1.67E-04
3.99E+02	8.95E-05	-1.05E-04	-2.09E-04
3.99E+02	8.16E-05	-1.58E-04	-2.20E-04
3.99E+02	7.42E-05	-1.86E-04	-1.96E-04
3.99E+02	7.29E-05	-2.12E-04	-2.31E-04

3.99E+02	3.74E-05	-2.20E-04	-2.42E-04
3.99E+02	-9.92E-06	-2.01E-04	-2.26E-04
3.99E+02	1.91E-07	-1.23E-04	-1.86E-04
3.99E+02	-1.45E-05	-3.32E-05	-1.59E-04
3.99E+02	-4.75E-05	4.01E-05	-1.80E-04
3.99E+02	-4.79E-05	1.39E-04	-1.46E-04
3.99E+02	-2.94E-05	2.38E-04	-8.05E-05
3.99E+02	1.16E-05	3.10E-04	-5.70E-05
3.99E+02	1.75E-05	3.55E-04	-5.40E-05
3.99E+02	4.98E-05	3.96E-04	-4.63E-05
3.99E+02	1.44E-04	4.37E-04	-3.72E-05
3.99E+02	1.85E-04	4.48E-04	-5.13E-05
3.99E+02	1.94E-04	4.51E-04	-9.98E-05
3.99E+02	1.91E-04	4.79E-04	-1.18E-04
3.99E+02	1.61E-04	5.13E-04	-9.50E-05
3.99E+02	1.21E-04	5.21E-04	-1.31E-04
3.99E+02	2.56E-05	5.15E-04	-1.73E-04
3.99E+02	-8.43E-05	5.27E-04	-1.73E-04
3.99E+02	-1.31E-04	5.58E-04	-1.53E-04
3.99E+02	-1.74E-04	5.76E-04	-1.19E-04
3.99E+02	-2.17E-04	5.33E-04	-1.50E-04
3.99E+02	-2.01E-04	4.72E-04	-1.39E-04
3.99E+02	-1.48E-04	4.28E-04	-4.86E-05
3.99E+02	-7.78E-05	3.74E-04	-9.92E-06
3.99E+02	-2.25E-05	3.25E-04	8.77E-06
3.99E+02	2.63E-05	2.81E-04	-2.00E-05
3.99E+02	1.28E-04	2.49E-04	-5.30E-05
3.99E+02	2.16E-04	2.27E-04	-3.59E-05
3.99E+02	2.69E-04	1.74E-04	-6.33E-05
3.99E+02	3.32E-04	1.32E-04	-4.12E-05
3.99E+02	3.77E-04	1.08E-04	3.91E-05
3.99E+02	4.10E-04	5.74E-05	4.35E-05
3.99E+02	3.88E-04	-6.87E-06	3.87E-05
3.99E+02	3.25E-04	-6.56E-05	6.81E-05
3.99E+02	2.99E-04	-7.29E-05	1.19E-04
3.99E+02	2.45E-04	-6.28E-05	1.36E-04
3.99E+02	1.67E-04	-9.25E-05	3.15E-05
3.99E+02	1.27E-04	-9.94E-05	-4.41E-05
3.99E+02	1.13E-04	-7.50E-05	-3.26E-05
3.99E+02	1.22E-04	-5.59E-05	-5.70E-05
3.99E+02	1.13E-04	-3.91E-05	-8.89E-05
3.99E+02	9.25E-05	-2.96E-05	-1.37E-04
3.99E+02	1.26E-04	3.81E-06	-1.71E-04
3.99E+02	1.49E-04	5.86E-05	-1.50E-04
3.99E+02	1.40E-04	8.49E-05	-1.65E-04
3.99E+02	1.48E-04	1.21E-04	-1.37E-04
3.99E+02	1.59E-04	1.83E-04	-4.94E-05

3.99E+02	1.87E-04	2.32E-04	-4.54E-05
3.99E+02	2.01E-04	2.76E-04	-5.78E-05
3.99E+02	1.91E-04	3.23E-04	-3.28E-05
3.99E+02	2.25E-04	4.04E-04	1.47E-05
4.00E+02	2.43E-04	4.94E-04	8.14E-05
4.00E+02	2.24E-04	5.36E-04	6.10E-05
4.00E+02	2.18E-04	5.60E-04	1.79E-05
4.00E+02	2.12E-04	5.79E-04	3.70E-05
4.00E+02	2.09E-04	5.59E-04	1.87E-05
4.00E+02	1.60E-04	4.99E-04	-2.38E-05
4.00E+02	9.92E-05	4.19E-04	-6.24E-05
4.00E+02	9.98E-05	3.37E-04	-1.29E-04
4.00E+02	1.05E-04	2.60E-04	-1.69E-04
4.00E+02	1.14E-04	1.80E-04	-2.00E-04
4.00E+02	1.41E-04	9.16E-05	-2.43E-04
4.00E+02	1.82E-04	3.26E-05	-2.28E-04
4.00E+02	2.64E-04	4.20E-06	-2.20E-04
4.00E+02	3.23E-04	-1.35E-05	-2.36E-04
4.00E+02	3.38E-04	-1.20E-05	-1.97E-04
4.00E+02	3.65E-04	2.69E-05	-1.25E-04
4.00E+02	3.65E-04	9.04E-05	-5.91E-05
4.00E+02	3.15E-04	1.36E-04	-6.54E-05
4.00E+02	2.70E-04	1.65E-04	-8.72E-05
4.00E+02	2.36E-04	1.89E-04	-6.85E-05
4.00E+02	2.12E-04	2.13E-04	-6.58E-05
4.00E+02	1.67E-04	2.30E-04	-6.39E-05
4.00E+02	9.25E-05	2.24E-04	-7.06E-05
4.00E+02	6.39E-05	2.37E-04	-6.35E-05
4.00E+02	4.52E-05	2.60E-04	-1.77E-05
4.00E+02	-2.42E-05	2.54E-04	-1.24E-05
4.00E+02	-7.08E-05	2.75E-04	-1.66E-05
4.00E+02	-1.08E-04	3.18E-04	-9.73E-06
4.00E+02	-1.32E-04	3.51E-04	-6.29E-05
4.00E+02	-1.30E-04	3.88E-04	-1.17E-04
4.00E+02	-1.53E-04	4.04E-04	-1.36E-04
4.00E+02	-1.30E-04	4.10E-04	-1.34E-04
4.00E+02	-8.75E-05	4.12E-04	-1.13E-04
4.00E+02	-8.18E-05	3.49E-04	-1.54E-04
4.00E+02	-3.99E-05	2.61E-04	-1.85E-04
4.00E+02	2.56E-05	1.96E-04	-1.08E-04
4.00E+02	1.12E-04	1.34E-04	-2.04E-05
4.00E+02	1.93E-04	1.01E-04	6.96E-05
4.00E+02	2.32E-04	6.39E-05	1.51E-04
4.00E+02	3.03E-04	3.41E-05	1.82E-04
4.00E+02	3.65E-04	3.87E-05	2.01E-04
4.00E+02	3.65E-04	-2.10E-06	1.48E-04
4.00E+02	3.58E-04	-4.94E-05	4.73E-05

4.00E+02	3.48E-04	-6.62E-05	1.72E-05
4.00E+02	3.40E-04	-8.16E-05	-1.22E-05
4.00E+02	3.18E-04	-6.77E-05	-6.05E-05
4.00E+02	2.46E-04	-2.27E-05	-6.52E-05
4.00E+02	2.13E-04	5.40E-05	-3.22E-05
4.00E+02	2.05E-04	1.67E-04	4.67E-05
4.00E+02	1.70E-04	2.71E-04	9.10E-05
4.00E+02	1.71E-04	3.63E-04	7.51E-05
4.00E+02	2.10E-04	4.82E-04	8.79E-05
4.00E+02	2.78E-04	5.95E-04	8.14E-05
4.00E+02	3.38E-04	6.73E-04	5.63E-05
4.00E+02	3.30E-04	7.12E-04	3.49E-05
4.00E+02	3.16E-04	7.17E-04	-2.23E-05
4.00E+02	3.06E-04	7.20E-04	-5.44E-05
4.00E+02	2.33E-04	6.88E-04	-9.35E-05
4.00E+02	1.51E-04	6.41E-04	-1.23E-04
4.00E+02	9.73E-05	6.23E-04	-4.81E-05
4.00E+02	5.49E-05	6.02E-04	-1.28E-05
4.00E+02	2.10E-05	5.82E-04	-4.90E-05
4.00E+02	-3.11E-05	5.69E-04	-5.11E-05
4.00E+02	-4.02E-05	5.66E-04	-2.02E-05
4.00E+02	-1.91E-06	5.74E-04	4.35E-05
4.00E+02	5.72E-07	5.37E-04	5.21E-05
4.00E+02	1.39E-05	4.53E-04	8.58E-06
4.00E+02	4.84E-05	3.75E-04	1.89E-05
4.00E+02	8.13E-05	3.08E-04	3.24E-05
4.00E+02	9.00E-05	2.34E-04	2.14E-05
4.00E+02	4.52E-05	1.64E-04	1.18E-05
4.00E+02	2.69E-05	1.17E-04	9.54E-07
4.00E+02	3.80E-05	7.86E-05	2.67E-06
4.00E+02	1.95E-05	2.77E-05	-4.77E-06
4.00E+02	3.81E-07	-2.04E-05	-1.74E-05
4.00E+02	9.35E-06	-3.93E-05	1.85E-05
4.00E+02	5.82E-05	-4.18E-05	4.01E-05
4.00E+02	1.17E-04	-3.95E-05	1.34E-05
4.00E+02	1.33E-04	-2.06E-05	7.06E-06
4.00E+02	1.66E-04	1.91E-05	6.48E-06
4.00E+02	2.31E-04	7.92E-05	3.66E-05
4.00E+02	2.47E-04	1.15E-04	6.18E-05
4.00E+02	2.54E-04	1.04E-04	2.12E-05
4.00E+02	2.83E-04	1.12E-04	3.32E-05
4.00E+02	3.02E-04	1.34E-04	4.94E-05
4.00E+02	3.10E-04	1.48E-04	2.12E-05
4.00E+02	2.58E-04	1.63E-04	3.34E-05
4.00E+02	2.05E-04	1.66E-04	4.43E-05
4.00E+02	1.80E-04	1.92E-04	7.27E-05
4.00E+02	9.27E-05	2.11E-04	9.38E-05

4.00E+02	-5.34E-06	2.16E-04	9.57E-05
4.00E+02	-1.11E-04	2.38E-04	1.60E-04
4.00E+02	-2.41E-04	2.37E-04	1.92E-04
4.00E+02	-3.45E-04	2.20E-04	1.75E-04
4.00E+02	-4.82E-04	1.90E-04	1.83E-04
4.00E+02	-5.96E-04	1.65E-04	2.02E-04
4.00E+02	-6.30E-04	1.78E-04	2.39E-04
4.00E+02	-6.58E-04	1.66E-04	2.40E-04
4.00E+02	-6.46E-04	1.25E-04	1.93E-04
4.00E+02	-5.68E-04	9.88E-05	1.94E-04
4.00E+02	-4.48E-04	7.21E-05	1.80E-04
4.00E+02	-3.10E-04	5.13E-05	1.15E-04
4.00E+02	-2.23E-04	2.94E-05	5.82E-05
4.00E+02	-1.52E-04	-2.48E-06	-1.58E-05
4.00E+02	-5.80E-05	-5.15E-06	-6.68E-05
4.00E+02	-2.21E-05	-6.29E-06	-1.08E-04
4.00E+02	-2.99E-05	-6.10E-06	-1.70E-04
4.00E+02	-4.41E-05	4.06E-05	-1.49E-04
4.00E+02	-6.83E-05	9.27E-05	-9.84E-05
4.00E+02	-9.21E-05	1.39E-04	-8.91E-05
4.00E+02	-1.63E-04	1.77E-04	-6.10E-05
4.00E+02	-2.27E-04	2.02E-04	-1.45E-05
4.00E+02	-2.47E-04	2.51E-04	6.39E-05
4.00E+02	-3.01E-04	2.75E-04	1.16E-04
4.00E+02	-3.56E-04	2.65E-04	1.08E-04
4.00E+02	-3.87E-04	2.64E-04	1.53E-04
4.00E+02	-4.03E-04	2.64E-04	2.24E-04
4.00E+02	-4.07E-04	2.76E-04	2.65E-04
4.00E+02	-4.58E-04	2.76E-04	2.85E-04
4.00E+02	-4.87E-04	2.69E-04	2.82E-04
4.00E+02	-4.60E-04	2.88E-04	3.05E-04
4.00E+02	-4.78E-04	2.74E-04	2.97E-04
4.00E+02	-5.03E-04	2.42E-04	2.22E-04
4.00E+02	-4.92E-04	2.46E-04	1.68E-04
4.00E+02	-4.58E-04	2.64E-04	1.06E-04
4.00E+02	-3.86E-04	2.84E-04	8.20E-06
4.00E+02	-3.38E-04	2.98E-04	-5.47E-05
4.00E+02	-2.97E-04	3.07E-04	-6.60E-05
4.00E+02	-2.13E-04	3.54E-04	-2.94E-05
4.00E+02	-1.71E-04	3.90E-04	-2.78E-05
4.00E+02	-1.57E-04	3.68E-04	-1.16E-04
4.00E+02	-1.34E-04	3.33E-04	-1.60E-04
4.00E+02	-1.23E-04	2.70E-04	-1.74E-04
4.00E+02	-1.19E-04	1.58E-04	-2.39E-04
4.00E+02	-1.39E-04	6.03E-05	-2.53E-04
4.00E+02	-1.54E-04	-2.78E-05	-2.43E-04
4.00E+02	-1.09E-04	-1.08E-04	-2.28E-04

4.00E+02	-4.52E-05	-1.59E-04	-1.48E-04
4.00E+02	1.35E-05	-2.22E-04	-8.30E-05
4.00E+02	1.01E-04	-2.58E-04	1.93E-05
4.00E+02	2.08E-04	-2.59E-04	1.30E-04
4.00E+02	3.20E-04	-2.57E-04	1.46E-04
4.00E+02	3.90E-04	-2.35E-04	1.84E-04
4.00E+02	4.21E-04	-1.97E-04	2.47E-04
4.00E+02	4.66E-04	-1.27E-04	3.28E-04
4.00E+02	4.57E-04	-5.44E-05	4.15E-04
4.00E+02	3.91E-04	-2.92E-05	4.06E-04
4.00E+02	3.43E-04	-1.16E-05	3.86E-04
4.00E+02	2.99E-04	1.14E-05	3.75E-04
4.00E+02	2.67E-04	1.39E-05	2.90E-04
4.00E+02	2.20E-04	1.45E-05	1.95E-04
4.00E+02	1.67E-04	2.16E-05	1.13E-04
4.00E+02	1.75E-04	3.64E-05	6.58E-05
4.00E+02	1.79E-04	6.47E-05	7.19E-05
4.00E+02	1.55E-04	5.30E-05	6.41E-05
4.00E+02	1.51E-04	1.53E-05	6.85E-05
4.00E+02	1.68E-04	-2.56E-05	1.03E-04
4.00E+02	2.00E-04	-1.06E-04	7.08E-05
4.00E+02	1.93E-04	-1.97E-04	1.89E-05
4.00E+02	1.55E-04	-2.68E-04	2.48E-06
4.00E+02	1.47E-04	-2.93E-04	-1.58E-05
4.00E+02	1.20E-04	-2.88E-04	-2.21E-05
4.00E+02	5.59E-05	-3.01E-04	-6.37E-05
4.00E+02	-5.34E-06	-3.05E-04	-7.25E-05
4.00E+02	-6.68E-05	-2.88E-04	1.11E-05
4.00E+02	-1.37E-04	-2.75E-04	4.56E-05
4.00E+02	-2.43E-04	-2.51E-04	7.53E-05
4.00E+02	-3.63E-04	-1.81E-04	1.24E-04
4.00E+02	-4.25E-04	-7.61E-05	1.29E-04
4.00E+02	-4.76E-04	3.34E-05	1.55E-04
4.00E+02	-5.40E-04	1.13E-04	1.58E-04
4.00E+02	-5.62E-04	1.43E-04	1.83E-04
4.00E+02	-5.44E-04	1.57E-04	2.71E-04
4.00E+02	-4.92E-04	1.45E-04	2.86E-04
4.00E+02	-4.59E-04	9.52E-05	2.55E-04
4.00E+02	-4.55E-04	3.24E-05	2.30E-04
4.00E+02	-4.18E-04	-1.26E-05	2.14E-04
4.00E+02	-3.91E-04	-2.78E-05	2.19E-04
4.00E+02	-3.96E-04	-5.53E-05	1.49E-04
4.00E+02	-3.98E-04	-7.61E-05	6.48E-05
4.00E+02	-3.94E-04	-6.98E-05	7.13E-05
4.00E+02	-3.71E-04	-6.20E-05	1.07E-04
4.00E+02	-3.82E-04	-7.38E-05	1.37E-04
4.00E+02	-4.27E-04	-1.30E-04	1.43E-04

4.00E+02	-4.12E-04	-1.71E-04	1.53E-04
4.00E+02	-4.08E-04	-1.88E-04	1.76E-04
4.00E+02	-4.59E-04	-2.37E-04	1.19E-04
4.00E+02	-4.94E-04	-2.85E-04	5.53E-05
4.00E+02	-5.32E-04	-3.17E-04	7.92E-05
4.00E+02	-5.58E-04	-3.52E-04	6.98E-05
4.00E+02	-5.84E-04	-3.95E-04	3.34E-05
4.00E+02	-6.38E-04	-4.40E-04	4.56E-05
4.00E+02	-6.29E-04	-4.53E-04	8.47E-05
4.00E+02	-5.85E-04	-4.44E-04	1.56E-04
4.00E+02	-5.59E-04	-4.64E-04	1.48E-04
4.00E+02	-4.80E-04	-4.92E-04	1.02E-04
4.00E+02	-3.69E-04	-4.75E-04	1.30E-04
4.00E+02	-2.35E-04	-4.34E-04	1.10E-04
4.00E+02	-1.08E-04	-3.82E-04	5.68E-05
4.00E+02	-4.67E-05	-3.33E-04	-1.34E-06
4.01E+02	2.46E-05	-2.71E-04	-7.38E-05
4.01E+02	8.68E-05	-1.89E-04	-1.13E-04
4.01E+02	8.68E-05	-1.20E-04	-1.87E-04
4.01E+02	8.28E-05	-3.26E-05	-2.42E-04
4.01E+02	6.58E-05	6.48E-05	-2.26E-04
4.01E+02	3.97E-05	1.27E-04	-2.49E-04
4.01E+02	5.72E-06	1.83E-04	-2.82E-04
4.01E+02	-5.47E-05	2.21E-04	-2.75E-04
4.01E+02	-7.65E-05	2.70E-04	-2.43E-04
4.01E+02	-8.62E-05	3.27E-04	-1.78E-04
4.01E+02	-1.30E-04	3.15E-04	-1.74E-04
4.01E+02	-1.54E-04	2.69E-04	-2.12E-04
4.01E+02	-1.52E-04	2.20E-04	-1.62E-04
4.01E+02	-1.38E-04	1.63E-04	-8.58E-05
4.01E+02	-1.43E-04	1.24E-04	-1.34E-05
4.01E+02	-1.92E-04	7.51E-05	5.23E-05
4.01E+02	-2.02E-04	1.81E-05	5.80E-05
4.01E+02	-1.83E-04	-1.79E-05	3.93E-05
4.01E+02	-2.00E-04	-8.11E-05	-3.43E-05
4.01E+02	-2.09E-04	-1.69E-04	-1.18E-04
4.01E+02	-2.05E-04	-2.36E-04	-9.63E-05
4.01E+02	-1.91E-04	-3.09E-04	-6.96E-05
4.01E+02	-1.73E-04	-3.80E-04	-7.11E-05
4.01E+02	-2.10E-04	-4.25E-04	-5.63E-05
4.01E+02	-2.16E-04	-4.40E-04	-3.09E-05
4.01E+02	-1.98E-04	-4.10E-04	3.85E-05
4.01E+02	-2.43E-04	-4.04E-04	6.81E-05
4.01E+02	-2.92E-04	-4.10E-04	4.62E-05
4.01E+02	-3.50E-04	-3.81E-04	5.86E-05
4.01E+02	-4.01E-04	-3.50E-04	4.69E-05
4.01E+02	-4.50E-04	-3.27E-04	1.45E-05

4.01E+02	-5.35E-04	-3.17E-04	2.12E-05
4.01E+02	-5.64E-04	-3.11E-04	4.83E-05
4.01E+02	-5.35E-04	-2.80E-04	1.07E-04
4.01E+02	-5.17E-04	-2.50E-04	1.42E-04
4.01E+02	-5.01E-04	-2.37E-04	8.83E-05
4.01E+02	-4.61E-04	-1.90E-04	5.70E-05
4.01E+02	-3.85E-04	-1.22E-04	2.19E-05
4.01E+02	-3.18E-04	-9.35E-05	-9.08E-05
4.01E+02	-3.01E-04	-7.74E-05	-1.71E-04
4.01E+02	-2.78E-04	-5.80E-05	-2.18E-04
4.01E+02	-2.30E-04	-2.33E-05	-2.23E-04
4.01E+02	-2.29E-04	-5.34E-06	-2.16E-04
4.01E+02	-2.43E-04	-3.55E-05	-2.57E-04
4.01E+02	-2.51E-04	-5.70E-05	-2.31E-04
4.01E+02	-2.63E-04	-7.29E-05	-1.94E-04
4.01E+02	-2.74E-04	-7.88E-05	-2.13E-04
4.01E+02	-3.23E-04	-7.00E-05	-1.89E-04
4.01E+02	-3.50E-04	-6.64E-05	-1.47E-04
4.01E+02	-3.15E-04	-4.98E-05	-6.35E-05
4.01E+02	-3.14E-04	-7.34E-05	5.97E-05
4.01E+02	-3.42E-04	-1.44E-04	1.29E-04
4.01E+02	-3.58E-04	-2.07E-04	2.05E-04
4.01E+02	-3.75E-04	-2.75E-04	2.01E-04
4.01E+02	-3.84E-04	-3.43E-04	7.00E-05
4.01E+02	-4.24E-04	-3.77E-04	-1.35E-05
4.01E+02	-4.47E-04	-3.69E-04	-6.12E-05
4.01E+02	-4.10E-04	-3.19E-04	-7.10E-05
4.01E+02	-3.89E-04	-2.61E-04	-7.76E-05
4.01E+02	-3.79E-04	-2.28E-04	-1.43E-04
4.01E+02	-3.58E-04	-2.01E-04	-1.56E-04
4.01E+02	-3.06E-04	-1.45E-04	-1.50E-04
4.01E+02	-2.43E-04	-7.71E-05	-1.62E-04
4.01E+02	-2.44E-04	-3.05E-05	-1.58E-04
4.01E+02	-2.38E-04	-9.92E-06	-1.80E-04
4.01E+02	-1.85E-04	9.54E-06	-1.58E-04
4.01E+02	-1.72E-04	3.81E-06	-1.10E-04
4.01E+02	-1.67E-04	-3.43E-05	-1.04E-04
4.01E+02	-1.36E-04	-5.26E-05	-5.40E-05
4.01E+02	-8.75E-05	-7.69E-05	-2.00E-05
4.01E+02	-1.91E-07	-1.08E-04	-6.56E-05
4.01E+02	5.76E-05	-1.11E-04	-9.84E-05
4.01E+02	1.06E-04	-8.47E-05	-1.10E-04
4.01E+02	1.96E-04	-2.17E-05	-8.09E-05
4.01E+02	2.29E-04	3.80E-05	-3.53E-05
4.01E+02	2.20E-04	5.74E-05	-4.69E-05
4.01E+02	2.15E-04	6.01E-05	-3.38E-05
4.01E+02	2.06E-04	5.19E-05	3.81E-07

4.01E+02	2.09E-04	1.34E-05	-3.62E-06
4.01E+02	1.68E-04	-3.17E-05	-1.53E-05
4.01E+02	1.13E-04	-6.62E-05	-5.80E-05
4.01E+02	1.06E-04	-7.31E-05	-8.32E-05
4.01E+02	6.50E-05	-6.16E-05	-7.67E-05
4.01E+02	-1.01E-05	-7.29E-05	-1.01E-04
4.01E+02	-7.08E-05	-8.64E-05	-5.42E-05
4.01E+02	-1.28E-04	-1.13E-04	3.91E-05
4.01E+02	-1.62E-04	-1.59E-04	9.02E-05
4.01E+02	-2.16E-04	-2.22E-04	1.70E-04
4.01E+02	-2.70E-04	-2.84E-04	2.59E-04
4.01E+02	-2.49E-04	-2.80E-04	3.42E-04
4.01E+02	-2.29E-04	-2.59E-04	3.69E-04
4.01E+02	-1.99E-04	-2.65E-04	2.70E-04
4.01E+02	-1.20E-04	-2.58E-04	1.95E-04
4.01E+02	-1.24E-05	-2.32E-04	1.95E-04
4.01E+02	1.26E-04	-2.05E-04	1.87E-04
4.01E+02	1.89E-04	-2.13E-04	1.49E-04
4.01E+02	2.00E-04	-2.51E-04	7.13E-05
4.01E+02	2.39E-04	-2.77E-04	9.54E-07
4.01E+02	2.10E-04	-3.05E-04	-3.95E-05
4.01E+02	1.21E-04	-3.47E-04	-9.80E-05
4.01E+02	3.20E-05	-3.61E-04	-1.10E-04
4.01E+02	-5.74E-05	-3.49E-04	-7.19E-05
4.01E+02	-1.31E-04	-3.39E-04	-5.80E-05
4.01E+02	-2.43E-04	-3.34E-04	-2.65E-05
4.01E+02	-3.84E-04	-3.40E-04	5.15E-06
4.01E+02	-4.59E-04	-3.29E-04	3.64E-05
4.01E+02	-5.40E-04	-3.31E-04	6.75E-05
4.01E+02	-6.39E-04	-3.87E-04	2.57E-05
4.01E+02	-6.83E-04	-4.36E-04	1.34E-05
4.01E+02	-7.10E-04	-4.67E-04	4.79E-05
4.01E+02	-7.08E-04	-4.85E-04	2.42E-05
4.01E+02	-7.03E-04	-4.76E-04	7.63E-07
4.01E+02	-7.30E-04	-4.92E-04	-2.99E-05
4.01E+02	-6.98E-04	-4.96E-04	-7.72E-05
4.01E+02	-6.41E-04	-4.79E-04	-8.85E-05
4.01E+02	-6.19E-04	-5.11E-04	-1.35E-04
4.01E+02	-5.62E-04	-5.21E-04	-1.30E-04
4.01E+02	-4.71E-04	-4.96E-04	-3.34E-05
4.01E+02	-3.82E-04	-4.91E-04	-2.42E-05
4.01E+02	-3.33E-04	-4.92E-04	-4.90E-05
4.01E+02	-3.33E-04	-4.86E-04	-4.69E-05
4.01E+02	-3.15E-04	-4.45E-04	-3.15E-05
4.01E+02	-3.07E-04	-3.72E-04	1.49E-05
4.01E+02	-3.41E-04	-3.19E-04	1.18E-05
4.01E+02	-3.52E-04	-2.76E-04	3.40E-05

4.01E+02	-3.49E-04	-2.25E-04	1.07E-04
4.01E+02	-3.44E-04	-1.76E-04	1.39E-04
4.01E+02	-3.58E-04	-1.13E-04	1.78E-04
4.01E+02	-4.04E-04	-5.40E-05	2.04E-04
4.01E+02	-3.95E-04	7.63E-06	2.31E-04
4.01E+02	-3.66E-04	7.90E-05	2.91E-04
4.01E+02	-3.61E-04	1.28E-04	2.87E-04
4.01E+02	-3.20E-04	1.77E-04	2.72E-04
4.01E+02	-2.63E-04	2.30E-04	2.89E-04
4.01E+02	-1.78E-04	2.48E-04	2.34E-04
4.01E+02	-1.25E-04	2.12E-04	1.50E-04
4.01E+02	-1.21E-04	1.60E-04	9.59E-05
4.01E+02	-5.46E-05	1.36E-04	7.86E-05
4.01E+02	-4.58E-06	1.16E-04	7.42E-05
4.01E+02	5.34E-06	6.12E-05	2.29E-06
4.01E+02	3.49E-05	-1.05E-05	-5.47E-05
4.01E+02	6.16E-05	-6.01E-05	-3.97E-05
4.01E+02	9.44E-05	-1.12E-04	-3.97E-05
4.01E+02	8.20E-05	-1.75E-04	-4.54E-05
4.01E+02	1.01E-05	-2.45E-04	-6.43E-05
4.01E+02	-2.84E-05	-3.09E-04	-8.95E-05
4.01E+02	-6.24E-05	-3.48E-04	-6.43E-05
4.01E+02	-1.37E-04	-3.97E-04	-5.40E-05
4.01E+02	-1.90E-04	-4.39E-04	-3.68E-05
4.01E+02	-2.12E-04	-4.57E-04	5.19E-05
4.01E+02	-1.97E-04	-4.84E-04	9.50E-05
4.01E+02	-1.71E-04	-5.29E-04	1.10E-04
4.01E+02	-1.66E-04	-5.66E-04	1.74E-04
4.01E+02	-1.22E-04	-5.76E-04	1.94E-04
4.01E+02	-7.72E-05	-5.72E-04	1.68E-04
4.01E+02	-6.12E-05	-5.68E-04	7.65E-05
4.01E+02	-3.19E-05	-5.58E-04	-4.48E-05
4.01E+02	5.15E-06	-5.16E-04	-8.09E-05
4.01E+02	5.53E-05	-4.66E-04	-1.10E-04
4.01E+02	8.09E-05	-4.37E-04	-1.35E-04
4.01E+02	5.99E-05	-4.22E-04	-1.39E-04
4.01E+02	6.69E-05	-3.98E-04	-1.54E-04
4.01E+02	9.14E-05	-3.56E-04	-1.61E-04
4.01E+02	7.76E-05	-3.38E-04	-2.14E-04
4.01E+02	7.34E-05	-3.16E-04	-2.50E-04
4.01E+02	8.35E-05	-2.71E-04	-2.05E-04
4.01E+02	1.06E-04	-2.47E-04	-1.68E-04
4.01E+02	1.32E-04	-2.26E-04	-1.11E-04
4.01E+02	1.00E-04	-2.17E-04	-1.45E-05
4.01E+02	9.02E-05	-2.02E-04	6.20E-05
4.01E+02	1.04E-04	-1.66E-04	1.43E-04
4.01E+02	6.92E-05	-1.66E-04	1.81E-04

4.01E+02	3.62E-05	-1.95E-04	1.73E-04
4.01E+02	1.49E-05	-2.23E-04	1.97E-04
4.01E+02	7.82E-06	-2.50E-04	1.91E-04
4.01E+02	-2.02E-05	-2.80E-04	1.51E-04
4.01E+02	-9.19E-05	-3.16E-04	1.02E-04
4.01E+02	-1.21E-04	-3.45E-04	5.38E-05
4.01E+02	-1.22E-04	-3.62E-04	6.56E-05
4.01E+02	-1.51E-04	-4.03E-04	6.68E-05
4.01E+02	-1.71E-04	-4.54E-04	5.26E-05
4.01E+02	-1.70E-04	-4.87E-04	7.84E-05
4.01E+02	-1.53E-04	-5.33E-04	6.29E-05
4.01E+02	-1.28E-04	-5.96E-04	1.14E-06
4.01E+02	-1.28E-04	-6.73E-04	-7.02E-05
4.01E+02	-9.44E-05	-7.24E-04	-1.35E-04
4.01E+02	-1.22E-05	-7.33E-04	-1.61E-04
4.01E+02	3.32E-05	-7.67E-04	-2.28E-04
4.01E+02	7.67E-05	-7.99E-04	-3.14E-04
4.01E+02	1.42E-04	-7.96E-04	-3.08E-04
4.01E+02	2.07E-04	-7.91E-04	-2.67E-04
4.01E+02	2.61E-04	-7.70E-04	-2.05E-04
4.01E+02	2.57E-04	-7.57E-04	-1.22E-04
4.01E+02	2.69E-04	-7.48E-04	-6.03E-05
4.01E+02	3.22E-04	-6.97E-04	3.34E-05
4.01E+02	3.13E-04	-6.62E-04	8.70E-05
4.01E+02	3.08E-04	-6.21E-04	7.57E-05
4.01E+02	3.55E-04	-5.30E-04	1.35E-04
4.01E+02	3.92E-04	-4.51E-04	1.75E-04
4.01E+02	4.26E-04	-3.84E-04	1.31E-04
4.02E+02	4.25E-04	-3.40E-04	1.04E-04
4.02E+02	4.20E-04	-3.07E-04	8.43E-05
4.02E+02	4.35E-04	-2.63E-04	8.26E-05
4.02E+02	3.91E-04	-2.71E-04	4.96E-05
4.02E+02	3.39E-04	-2.96E-04	-3.01E-05
4.02E+02	3.08E-04	-2.92E-04	-1.34E-06
4.02E+02	2.84E-04	-2.84E-04	6.71E-05
4.02E+02	2.63E-04	-2.76E-04	1.01E-04
4.02E+02	2.01E-04	-2.85E-04	1.25E-04
4.02E+02	1.71E-04	-2.92E-04	9.14E-05
4.02E+02	1.94E-04	-2.70E-04	6.52E-05
4.02E+02	1.81E-04	-2.59E-04	5.36E-05
4.02E+02	1.59E-04	-2.72E-04	3.34E-05
4.02E+02	1.54E-04	-2.79E-04	8.41E-05
4.02E+02	1.57E-04	-3.03E-04	1.41E-04
4.02E+02	1.57E-04	-3.52E-04	1.22E-04
4.02E+02	1.26E-04	-3.88E-04	1.12E-04
4.02E+02	1.01E-04	-4.00E-04	1.12E-04
4.02E+02	1.01E-04	-3.69E-04	1.01E-04

4.02E+02	8.03E-05	-3.15E-04	6.47E-05
4.02E+02	7.17E-05	-2.73E-04	-3.03E-05
4.02E+02	9.98E-05	-2.15E-04	-4.60E-05
4.02E+02	1.47E-04	-1.64E-04	8.77E-06
4.02E+02	2.00E-04	-1.47E-04	2.94E-05
4.02E+02	2.10E-04	-1.37E-04	5.49E-05
4.02E+02	2.27E-04	-1.36E-04	5.25E-05
4.02E+02	2.84E-04	-1.13E-04	3.09E-05
4.02E+02	3.19E-04	-7.36E-05	-1.49E-05
4.02E+02	3.40E-04	-5.19E-05	-1.03E-04
4.02E+02	3.60E-04	-4.39E-06	-1.17E-04
4.02E+02	3.80E-04	3.53E-05	-1.02E-04
4.02E+02	4.08E-04	2.98E-05	-1.24E-04
4.02E+02	3.90E-04	-1.34E-06	-1.11E-04
4.02E+02	3.50E-04	-6.66E-05	-8.62E-05
4.02E+02	3.38E-04	-1.26E-04	-6.07E-05
4.02E+02	2.88E-04	-2.03E-04	-7.74E-05
4.02E+02	2.15E-04	-3.20E-04	-1.72E-04
4.02E+02	1.60E-04	-4.03E-04	-2.00E-04
4.02E+02	1.34E-04	-4.44E-04	-1.60E-04
4.02E+02	1.37E-04	-4.59E-04	-1.17E-04
4.02E+02	1.01E-04	-4.57E-04	-6.01E-05
4.02E+02	7.55E-05	-4.47E-04	-5.49E-05
4.02E+02	1.02E-04	-4.14E-04	-6.08E-05
4.02E+02	1.01E-04	-3.89E-04	-5.36E-05
4.02E+02	8.93E-05	-3.83E-04	-7.93E-05
4.02E+02	9.82E-05	-3.59E-04	-3.81E-05
4.02E+02	1.12E-04	-3.34E-04	5.32E-05
4.02E+02	1.36E-04	-3.24E-04	1.02E-04
4.02E+02	1.10E-04	-3.25E-04	1.43E-04
4.02E+02	5.25E-05	-3.28E-04	1.75E-04
4.02E+02	4.22E-05	-3.04E-04	1.91E-04
4.02E+02	2.10E-05	-2.79E-04	1.60E-04
4.02E+02	-7.44E-06	-2.78E-04	7.32E-05
4.02E+02	1.47E-05	-2.53E-04	4.96E-05
4.02E+02	7.80E-05	-2.06E-04	7.71E-05
4.02E+02	1.68E-04	-1.55E-04	6.62E-05
4.02E+02	2.12E-04	-1.03E-04	4.27E-05
4.02E+02	2.51E-04	-7.04E-05	8.77E-06
4.02E+02	3.34E-04	-4.20E-05	9.35E-06
4.02E+02	3.74E-04	-3.91E-05	5.86E-05
4.02E+02	3.85E-04	-7.93E-05	8.01E-05
4.02E+02	3.95E-04	-1.25E-04	1.29E-04
4.02E+02	3.96E-04	-1.74E-04	2.01E-04
4.02E+02	3.83E-04	-2.39E-04	2.02E-04
4.02E+02	3.23E-04	-2.90E-04	1.78E-04
4.02E+02	2.59E-04	-3.01E-04	1.52E-04

4.02E+02	2.15E-04	-2.79E-04	1.14E-04
4.02E+02	1.77E-04	-2.41E-04	6.10E-05
4.02E+02	1.49E-04	-2.18E-04	-5.02E-05
4.02E+02	1.39E-04	-2.09E-04	-1.30E-04
4.02E+02	1.72E-04	-1.83E-04	-1.24E-04
4.02E+02	2.22E-04	-1.61E-04	-1.03E-04
4.02E+02	2.23E-04	-1.40E-04	-3.76E-05
4.02E+02	2.17E-04	-1.17E-04	3.07E-05
4.02E+02	2.64E-04	-7.44E-05	7.53E-05
4.02E+02	2.92E-04	-2.75E-05	1.25E-04
4.02E+02	2.87E-04	-1.95E-05	1.09E-04
4.02E+02	3.00E-04	-1.91E-07	7.17E-05
4.02E+02	3.09E-04	3.15E-05	3.17E-05
4.02E+02	3.41E-04	4.79E-05	-7.06E-05
4.02E+02	3.60E-04	6.18E-05	-1.49E-04
4.02E+02	3.39E-04	6.50E-05	-1.60E-04
4.02E+02	3.72E-04	9.08E-05	-1.23E-04
4.02E+02	3.86E-04	1.14E-04	-8.09E-05
4.02E+02	3.45E-04	1.05E-04	-1.02E-04
4.02E+02	3.41E-04	1.26E-04	-8.72E-05
4.02E+02	3.64E-04	1.63E-04	-7.63E-07
4.02E+02	3.97E-04	2.04E-04	5.19E-05
4.02E+02	3.97E-04	2.50E-04	7.08E-05
4.02E+02	3.73E-04	2.78E-04	4.37E-05
4.02E+02	4.10E-04	3.31E-04	-8.96E-06
4.02E+02	4.48E-04	3.88E-04	-3.43E-05
4.02E+02	4.52E-04	3.85E-04	-9.52E-05
4.02E+02	4.78E-04	3.68E-04	-1.39E-04
4.02E+02	5.03E-04	3.48E-04	-1.11E-04
4.02E+02	5.20E-04	2.92E-04	-1.30E-04
4.02E+02	5.07E-04	2.28E-04	-1.59E-04
4.02E+02	4.49E-04	1.74E-04	-1.42E-04
4.02E+02	4.21E-04	1.55E-04	-1.00E-04
4.02E+02	3.72E-04	1.63E-04	-2.56E-05
4.02E+02	2.73E-04	1.41E-04	-1.58E-05
4.02E+02	1.96E-04	1.19E-04	-1.91E-05
4.02E+02	1.35E-04	1.02E-04	2.86E-05
4.02E+02	8.68E-05	6.28E-05	3.60E-05
4.02E+02	1.20E-05	1.70E-05	2.56E-05
4.02E+02	-9.23E-05	-4.14E-05	4.58E-06
4.02E+02	-1.29E-04	-7.78E-05	-1.16E-05
4.02E+02	-1.45E-04	-7.97E-05	1.05E-05
4.02E+02	-1.88E-04	-1.05E-04	8.20E-06
4.02E+02	-2.08E-04	-1.21E-04	2.38E-05
4.02E+02	-2.15E-04	-1.07E-04	9.52E-05
4.02E+02	-1.97E-04	-9.88E-05	9.48E-05
4.02E+02	-1.78E-04	-8.54E-05	2.59E-05

4.02E+02	-1.78E-04	-6.05E-05	-1.89E-05
4.02E+02	-1.34E-04	4.20E-06	-5.76E-05
4.02E+02	-5.36E-05	1.14E-04	-7.84E-05
4.02E+02	2.96E-05	2.13E-04	-1.08E-04
4.02E+02	1.17E-04	3.00E-04	-1.29E-04
4.02E+02	2.07E-04	4.00E-04	-8.01E-05
4.02E+02	2.98E-04	4.93E-04	-4.83E-05
4.02E+02	3.36E-04	5.56E-04	-3.60E-05
4.02E+02	3.19E-04	5.87E-04	-1.62E-05
4.02E+02	3.24E-04	6.01E-04	-2.67E-06
4.02E+02	3.23E-04	6.05E-04	3.55E-05
4.02E+02	2.86E-04	5.62E-04	3.11E-05
4.02E+02	2.56E-04	5.07E-04	2.71E-05
4.02E+02	2.41E-04	4.68E-04	8.28E-05
4.02E+02	2.67E-04	4.14E-04	6.90E-05
4.02E+02	3.04E-04	3.57E-04	2.06E-05
4.02E+02	2.98E-04	2.99E-04	-5.53E-06
4.02E+02	3.31E-04	2.74E-04	-4.67E-05
4.02E+02	3.89E-04	3.03E-04	-6.10E-05
4.02E+02	3.80E-04	2.87E-04	-1.33E-04
4.02E+02	3.62E-04	2.38E-04	-2.40E-04
4.02E+02	3.72E-04	2.21E-04	-2.49E-04
4.02E+02	3.84E-04	2.16E-04	-2.38E-04
4.02E+02	3.74E-04	2.38E-04	-2.25E-04
4.02E+02	3.22E-04	2.64E-04	-1.95E-04
4.02E+02	3.00E-04	2.95E-04	-1.68E-04
4.02E+02	3.01E-04	3.63E-04	-1.14E-04
4.02E+02	2.48E-04	3.97E-04	-1.19E-04
4.02E+02	1.95E-04	4.13E-04	-1.67E-04
4.02E+02	1.60E-04	4.58E-04	-1.58E-04
4.02E+02	1.32E-04	4.87E-04	-1.81E-04
4.02E+02	1.12E-04	5.01E-04	-2.50E-04
4.02E+02	7.23E-05	5.05E-04	-2.70E-04
4.02E+02	6.28E-05	5.16E-04	-2.31E-04
4.02E+02	8.51E-05	5.53E-04	-1.47E-04
4.02E+02	9.37E-05	5.58E-04	-1.15E-04
4.02E+02	1.17E-04	5.32E-04	-1.26E-04
4.02E+02	1.54E-04	5.24E-04	-5.40E-05
4.02E+02	2.04E-04	5.04E-04	1.01E-05
4.02E+02	2.53E-04	4.67E-04	2.06E-05
4.02E+02	2.56E-04	4.17E-04	2.61E-05
4.02E+02	2.70E-04	3.68E-04	2.86E-06
4.02E+02	3.03E-04	3.57E-04	5.91E-06
4.02E+02	2.79E-04	3.27E-04	-1.24E-05
4.02E+02	2.47E-04	2.95E-04	-6.14E-05
4.02E+02	2.35E-04	3.20E-04	-2.57E-05
4.02E+02	2.04E-04	3.23E-04	-5.53E-06

4.02E+02	1.54E-04	3.17E-04	-3.99E-05
4.02E+02	6.35E-05	3.14E-04	-1.72E-05
4.02E+02	-7.82E-06	3.17E-04	4.10E-05
4.02E+02	-4.01E-05	3.64E-04	1.06E-04
4.02E+02	-9.19E-05	3.84E-04	1.24E-04
4.02E+02	-1.31E-04	3.84E-04	8.39E-05
4.02E+02	-1.41E-04	4.14E-04	9.37E-05
4.02E+02	-1.14E-04	4.42E-04	9.23E-05
4.02E+02	-6.98E-05	4.68E-04	5.89E-05
4.02E+02	-7.08E-05	4.81E-04	5.17E-05
4.02E+02	-4.25E-05	4.85E-04	1.43E-05
4.02E+02	2.88E-05	4.94E-04	-2.54E-05
4.02E+02	5.51E-05	4.72E-04	-6.68E-05
4.02E+02	8.07E-05	4.45E-04	-9.17E-05
4.02E+02	1.02E-04	4.46E-04	-3.83E-05
4.02E+02	1.19E-04	4.47E-04	4.20E-06
4.02E+02	1.59E-04	4.42E-04	-3.43E-06
4.02E+02	1.49E-04	4.29E-04	7.63E-06
4.02E+02	1.46E-04	4.11E-04	4.96E-05
4.02E+02	1.86E-04	4.05E-04	9.80E-05
4.02E+02	1.90E-04	3.92E-04	7.92E-05
4.02E+02	1.86E-04	3.68E-04	-1.93E-05
4.02E+02	2.15E-04	3.75E-04	-7.97E-05
4.02E+02	2.58E-04	4.14E-04	-1.31E-04
4.02E+02	2.84E-04	4.43E-04	-2.08E-04
4.02E+02	2.55E-04	4.43E-04	-2.50E-04
4.02E+02	2.21E-04	4.36E-04	-2.76E-04
4.02E+02	2.17E-04	4.26E-04	-2.54E-04
4.02E+02	1.74E-04	3.98E-04	-2.39E-04
4.02E+02	1.20E-04	3.61E-04	-2.70E-04
4.02E+02	1.04E-04	3.27E-04	-2.20E-04
4.02E+02	9.84E-05	2.96E-04	-1.61E-04
4.02E+02	1.15E-04	2.60E-04	-1.59E-04
4.02E+02	1.23E-04	2.14E-04	-1.24E-04
4.02E+02	1.51E-04	1.85E-04	-7.02E-05
4.02E+02	2.22E-04	1.94E-04	9.54E-07
4.02E+02	2.44E-04	1.79E-04	4.16E-05
4.02E+02	2.41E-04	1.31E-04	-5.53E-06
4.02E+02	2.60E-04	1.16E-04	-9.16E-06
4.02E+02	2.76E-04	1.19E-04	2.29E-05
4.03E+02	2.80E-04	1.26E-04	2.57E-05
4.03E+02	2.28E-04	1.47E-04	5.72E-05
4.03E+02	1.67E-04	1.75E-04	9.16E-05
4.03E+02	1.68E-04	2.29E-04	1.46E-04
4.03E+02	1.54E-04	2.85E-04	2.10E-04
4.03E+02	1.28E-04	3.11E-04	2.21E-04
4.03E+02	1.36E-04	3.41E-04	2.58E-04

4.03E+02	1.63E-04	3.62E-04	2.75E-04
4.03E+02	2.08E-04	3.47E-04	2.16E-04
4.03E+02	2.21E-04	3.17E-04	1.86E-04
4.03E+02	2.29E-04	2.90E-04	1.81E-04
4.03E+02	2.80E-04	2.72E-04	1.87E-04
4.03E+02	2.83E-04	2.47E-04	1.66E-04
4.03E+02	2.48E-04	1.98E-04	6.08E-05
4.03E+02	2.30E-04	1.67E-04	7.06E-06
4.03E+02	2.10E-04	1.82E-04	-1.14E-06
4.03E+02	1.87E-04	2.12E-04	-4.02E-05
4.03E+02	1.38E-04	2.55E-04	-4.81E-05
4.03E+02	8.83E-05	3.12E-04	-5.38E-05
4.03E+02	9.06E-05	3.74E-04	-6.08E-05
4.03E+02	7.46E-05	4.09E-04	-6.39E-05
4.03E+02	3.41E-05	3.96E-04	-1.09E-04
4.03E+02	2.61E-05	3.86E-04	-9.40E-05
4.03E+02	3.26E-05	3.70E-04	-2.37E-05
4.03E+02	4.25E-05	3.28E-04	1.53E-06
4.03E+02	1.93E-05	2.88E-04	4.46E-05
4.03E+02	-2.46E-05	2.60E-04	1.16E-04
4.03E+02	-2.54E-05	2.61E-04	2.17E-04
4.03E+02	-4.56E-05	2.38E-04	2.82E-04
4.03E+02	-8.24E-05	1.72E-04	2.41E-04
4.03E+02	-5.80E-05	1.43E-04	2.48E-04
4.03E+02	-6.10E-06	1.20E-04	3.10E-04
4.03E+02	6.60E-05	8.37E-05	3.23E-04
4.03E+02	1.20E-04	4.94E-05	3.20E-04
4.03E+02	1.56E-04	7.63E-07	2.87E-04
4.03E+02	2.40E-04	-1.68E-05	2.30E-04
4.03E+02	2.87E-04	-1.11E-05	1.78E-04
4.03E+02	2.86E-04	-2.00E-05	9.65E-05
4.03E+02	2.85E-04	7.06E-06	5.44E-05
4.03E+02	2.74E-04	6.45E-05	4.96E-05
4.03E+02	2.79E-04	9.33E-05	-1.91E-05
4.03E+02	2.52E-04	1.09E-04	-7.69E-05
4.03E+02	1.95E-04	1.25E-04	-8.93E-05
4.03E+02	1.79E-04	1.48E-04	-8.51E-05
4.03E+02	1.48E-04	1.59E-04	-8.89E-05
4.03E+02	8.66E-05	1.22E-04	-1.54E-04
4.03E+02	5.02E-05	8.96E-05	-1.91E-04
4.03E+02	2.61E-05	7.10E-05	-1.91E-04
4.03E+02	9.73E-06	5.82E-05	-2.10E-04
4.03E+02	-3.55E-05	6.56E-05	-2.13E-04
4.03E+02	-1.05E-04	6.54E-05	-2.20E-04
4.03E+02	-1.14E-04	8.30E-05	-2.00E-04
4.03E+02	-1.14E-04	1.13E-04	-1.41E-04
4.03E+02	-1.42E-04	1.04E-04	-1.28E-04

4.03E+02	-1.45E-04	9.52E-05	-9.33E-05
4.03E+02	-1.22E-04	1.06E-04	0.00E+00
4.03E+02	-6.75E-05	1.05E-04	2.82E-05
4.03E+02	-3.22E-05	1.04E-04	3.55E-05
4.03E+02	-2.16E-05	1.09E-04	8.26E-05
4.03E+02	2.56E-05	1.38E-04	1.46E-04
4.03E+02	5.05E-05	1.80E-04	2.39E-04
4.03E+02	3.05E-05	1.81E-04	2.78E-04
4.03E+02	1.64E-05	1.76E-04	3.03E-04
4.03E+02	8.39E-06	1.97E-04	3.93E-04
4.03E+02	1.60E-05	2.17E-04	4.58E-04
4.03E+02	-2.29E-06	2.21E-04	4.80E-04
4.03E+02	-4.48E-05	2.06E-04	4.37E-04
4.03E+02	-2.54E-05	2.04E-04	3.46E-04
4.03E+02	-1.53E-06	2.11E-04	2.73E-04
4.03E+02	-2.50E-05	1.93E-04	1.42E-04
4.03E+02	-3.01E-05	1.87E-04	2.00E-05
4.03E+02	-1.95E-05	2.27E-04	1.60E-05
4.03E+02	-5.53E-06	2.74E-04	2.12E-05
4.03E+02	-1.96E-05	3.07E-04	5.63E-05
4.03E+02	-8.58E-05	3.14E-04	1.56E-04
4.03E+02	-1.17E-04	3.10E-04	2.41E-04
4.03E+02	-1.45E-04	2.95E-04	2.91E-04
4.03E+02	-2.17E-04	2.26E-04	2.15E-04
4.03E+02	-2.45E-04	1.43E-04	9.92E-05
4.03E+02	-2.24E-04	9.67E-05	5.23E-05
4.03E+02	-1.71E-04	5.68E-05	-1.75E-05
4.03E+02	-1.12E-04	1.58E-05	-7.06E-05
4.03E+02	-7.76E-05	-3.72E-05	-1.09E-04
4.03E+02	6.29E-06	-8.47E-05	-1.27E-04
4.03E+02	8.89E-05	-1.24E-04	-7.71E-05
4.03E+02	1.17E-04	-1.94E-04	-6.64E-05
4.03E+02	1.58E-04	-2.38E-04	-7.38E-05
4.03E+02	1.98E-04	-2.37E-04	-5.04E-05
4.03E+02	2.50E-04	-2.28E-04	-6.31E-05
4.03E+02	2.96E-04	-2.10E-04	-6.73E-05
4.03E+02	2.84E-04	-1.95E-04	-1.53E-05
4.03E+02	2.98E-04	-1.53E-04	5.57E-05
4.03E+02	3.18E-04	-8.75E-05	1.13E-04
4.03E+02	2.85E-04	-5.86E-05	8.58E-05
4.03E+02	2.66E-04	-2.75E-05	2.92E-05
4.03E+02	2.76E-04	3.89E-05	3.97E-05
4.03E+02	2.99E-04	1.22E-04	5.61E-05
4.03E+02	2.93E-04	2.13E-04	5.46E-05
4.03E+02	2.54E-04	2.82E-04	3.24E-05
4.03E+02	2.53E-04	3.46E-04	-7.44E-06
4.03E+02	2.73E-04	4.22E-04	-8.39E-06

4.03E+02	2.70E-04	4.61E-04	-2.33E-05
4.03E+02	2.62E-04	4.67E-04	-6.98E-05
4.03E+02	2.57E-04	4.83E-04	-7.57E-05
4.03E+02	2.74E-04	4.92E-04	-9.96E-05
4.03E+02	2.82E-04	4.82E-04	-1.39E-04
4.03E+02	2.41E-04	4.69E-04	-1.12E-04
4.03E+02	2.21E-04	4.66E-04	-4.67E-05
4.03E+02	2.21E-04	4.72E-04	2.77E-05
4.03E+02	1.88E-04	4.46E-04	4.18E-05
4.03E+02	1.59E-04	3.99E-04	-3.62E-06
4.03E+02	1.55E-04	3.58E-04	3.62E-06
4.03E+02	1.77E-04	3.10E-04	2.75E-05
4.03E+02	1.80E-04	2.57E-04	3.60E-05
4.03E+02	1.34E-04	1.91E-04	5.53E-05
4.03E+02	1.20E-04	1.38E-04	5.61E-05
4.03E+02	1.37E-04	1.20E-04	7.25E-05
4.03E+02	1.16E-04	8.81E-05	7.17E-05
4.03E+02	9.40E-05	4.98E-05	2.37E-05
4.03E+02	9.10E-05	4.48E-05	4.43E-05
4.03E+02	1.05E-04	3.24E-05	6.26E-05
4.03E+02	1.32E-04	-9.54E-07	2.46E-05
4.03E+02	1.17E-04	-3.89E-05	3.81E-05
4.03E+02	1.22E-04	-7.71E-05	7.31E-05
4.03E+02	1.66E-04	-9.29E-05	1.36E-04
4.03E+02	1.67E-04	-1.28E-04	1.83E-04
4.03E+02	1.66E-04	-1.81E-04	1.61E-04
4.03E+02	1.77E-04	-1.88E-04	1.71E-04
4.03E+02	1.91E-04	-1.73E-04	1.65E-04
4.03E+02	1.97E-04	-1.49E-04	1.28E-04
4.03E+02	1.54E-04	-1.16E-04	1.21E-04
4.03E+02	1.23E-04	-7.42E-05	1.15E-04
4.03E+02	1.15E-04	-6.10E-06	1.42E-04
4.03E+02	5.91E-05	4.14E-05	1.55E-04
4.03E+02	-1.11E-05	3.57E-05	1.02E-04
4.03E+02	-5.68E-05	4.04E-05	9.90E-05
4.03E+02	-8.93E-05	4.33E-05	7.74E-05
4.03E+02	-1.28E-04	7.25E-06	-3.80E-05
4.03E+02	-1.94E-04	-7.06E-06	-1.04E-04
4.03E+02	-2.14E-04	1.39E-05	-1.09E-04
4.03E+02	-1.84E-04	6.60E-05	-5.21E-05
4.03E+02	-1.69E-04	1.10E-04	1.60E-05
4.03E+02	-1.35E-04	1.08E-04	2.21E-05
4.03E+02	-8.35E-05	1.06E-04	8.74E-05
4.03E+02	-3.11E-05	9.38E-05	1.48E-04
4.03E+02	1.74E-05	7.34E-05	1.31E-04
4.03E+02	8.39E-06	5.32E-05	1.22E-04
4.03E+02	-5.72E-06	4.71E-05	1.18E-04

4.03E+02	5.72E-06	9.00E-05	1.31E-04
4.03E+02	-2.77E-05	1.25E-04	1.24E-04
4.03E+02	-7.74E-05	1.50E-04	8.87E-05
4.03E+02	-1.29E-04	1.81E-04	1.03E-04
4.03E+02	-1.76E-04	1.88E-04	1.03E-04
4.03E+02	-1.92E-04	1.92E-04	5.44E-05
4.03E+02	-2.50E-04	1.85E-04	6.29E-06
4.03E+02	-2.99E-04	1.79E-04	-5.09E-05
4.03E+02	-2.81E-04	2.28E-04	-7.84E-05
4.03E+02	-2.97E-04	2.76E-04	-1.11E-04
4.03E+02	-3.30E-04	2.99E-04	-1.87E-04
4.03E+02	-3.36E-04	3.44E-04	-1.84E-04
4.03E+02	-3.36E-04	3.85E-04	-1.44E-04
4.03E+02	-3.33E-04	4.12E-04	-1.35E-04
4.03E+02	-3.71E-04	4.24E-04	-1.03E-04
4.03E+02	-4.19E-04	4.13E-04	-8.24E-05
4.03E+02	-4.18E-04	4.15E-04	-5.49E-05
4.03E+02	-4.37E-04	4.13E-04	-3.28E-05
4.03E+02	-4.84E-04	3.98E-04	-8.28E-05
4.03E+02	-5.11E-04	4.11E-04	-1.26E-04
4.03E+02	-5.22E-04	4.35E-04	-1.71E-04
4.03E+02	-5.15E-04	4.35E-04	-2.50E-04
4.03E+02	-5.32E-04	4.21E-04	-2.64E-04
4.03E+02	-5.49E-04	3.97E-04	-2.29E-04
4.03E+02	-5.11E-04	3.86E-04	-1.53E-04
4.03E+02	-4.96E-04	3.56E-04	-6.98E-05
4.03E+02	-4.96E-04	2.84E-04	-6.43E-05
4.03E+02	-4.71E-04	2.18E-04	-4.35E-05
4.03E+02	-4.32E-04	1.53E-04	-1.68E-05
4.03E+02	-3.72E-04	8.37E-05	-5.38E-05
4.03E+02	-3.57E-04	1.53E-05	-7.11E-05
4.03E+02	-3.44E-04	-5.51E-05	-6.85E-05
4.03E+02	-3.02E-04	-1.10E-04	-4.69E-05
4.03E+02	-3.03E-04	-1.62E-04	-8.77E-06
4.03E+02	-3.16E-04	-2.40E-04	-3.15E-05
4.03E+02	-3.28E-04	-3.00E-04	-4.56E-05
4.03E+02	-3.27E-04	-3.35E-04	-2.94E-05
4.03E+02	-3.02E-04	-3.87E-04	-7.10E-05
4.03E+02	-3.21E-04	-4.18E-04	-1.08E-04
4.03E+02	-3.48E-04	-4.17E-04	-1.03E-04
4.03E+02	-3.32E-04	-3.75E-04	-6.26E-05
4.03E+02	-3.48E-04	-3.15E-04	-1.53E-05
4.03E+02	-3.85E-04	-3.08E-04	-3.01E-05
4.03E+02	-3.81E-04	-3.03E-04	-1.14E-05
4.03E+02	-3.57E-04	-2.84E-04	5.30E-05
4.03E+02	-3.16E-04	-2.80E-04	8.01E-05
4.03E+02	-2.99E-04	-2.56E-04	8.98E-05

4.03E+02	-2.95E-04	-2.08E-04	5.19E-05
4.03E+02	-2.32E-04	-1.32E-04	4.39E-06
4.03E+02	-1.87E-04	-4.52E-05	2.29E-06
4.03E+02	-1.65E-04	4.39E-06	3.05E-06
4.03E+02	-1.29E-04	4.23E-05	6.33E-05
4.04E+02	-9.52E-05	8.60E-05	1.54E-04
4.04E+02	-3.87E-05	8.26E-05	1.44E-04
4.04E+02	-1.72E-05	5.57E-05	1.22E-04
4.04E+02	-1.20E-05	6.47E-05	1.42E-04
4.04E+02	2.27E-05	9.40E-05	1.42E-04
4.04E+02	2.17E-05	1.35E-04	1.21E-04
4.04E+02	-3.81E-06	1.66E-04	1.75E-05
4.04E+02	-2.02E-05	1.91E-04	-8.81E-05
4.04E+02	-3.62E-05	2.37E-04	-1.37E-04
4.04E+02	-4.69E-05	2.67E-04	-2.38E-04
4.04E+02	-8.98E-05	2.72E-04	-3.17E-04
4.04E+02	-1.67E-04	2.60E-04	-3.46E-04
4.04E+02	-1.97E-04	2.37E-04	-3.50E-04
4.04E+02	-2.28E-04	2.05E-04	-2.79E-04
4.04E+02	-3.01E-04	1.39E-04	-2.26E-04
4.04E+02	-3.48E-04	8.53E-05	-1.49E-04
4.04E+02	-3.91E-04	4.65E-05	-1.74E-05
4.04E+02	-4.00E-04	-7.06E-06	2.50E-05
4.04E+02	-3.98E-04	-4.14E-05	2.46E-05
4.04E+02	-4.21E-04	-5.53E-05	4.06E-05
4.04E+02	-3.74E-04	-3.70E-05	7.44E-05
4.04E+02	-3.25E-04	-5.72E-07	1.40E-04
4.04E+02	-3.29E-04	-7.82E-06	1.42E-04
4.04E+02	-3.13E-04	-2.57E-05	1.16E-04
4.04E+02	-2.94E-04	-2.08E-05	1.33E-04
4.04E+02	-2.79E-04	-2.48E-05	1.20E-04
4.04E+02	-3.05E-04	-2.92E-05	9.69E-05
4.04E+02	-3.75E-04	-2.44E-05	8.56E-05
4.04E+02	-3.94E-04	-7.82E-06	6.31E-05
4.04E+02	-4.08E-04	2.37E-05	8.05E-05
4.04E+02	-4.67E-04	2.67E-05	6.87E-05
4.04E+02	-4.99E-04	1.35E-05	4.16E-05
4.04E+02	-4.93E-04	2.37E-05	6.64E-05
4.04E+02	-4.68E-04	3.70E-05	2.94E-05
4.04E+02	-4.49E-04	5.53E-05	-3.74E-05
4.04E+02	-4.34E-04	9.35E-05	-8.49E-05
4.04E+02	-3.68E-04	1.60E-04	-9.88E-05
4.04E+02	-2.86E-04	2.47E-04	-3.95E-05
4.04E+02	-2.32E-04	2.90E-04	-2.02E-05
4.04E+02	-1.79E-04	2.92E-04	-1.18E-05
4.04E+02	-1.30E-04	3.04E-04	5.38E-05
4.04E+02	-8.60E-05	3.15E-04	8.28E-05

4.04E+02	-8.37E-05	3.14E-04	7.67E-05
4.04E+02	-1.20E-04	3.06E-04	5.76E-05
4.04E+02	-1.21E-04	3.12E-04	4.39E-05
4.04E+02	-1.28E-04	3.38E-04	6.87E-05
4.04E+02	-1.78E-04	3.31E-04	4.06E-05
4.04E+02	-2.32E-04	3.05E-04	-9.73E-06
4.04E+02	-2.72E-04	2.97E-04	1.26E-05
4.04E+02	-2.87E-04	2.61E-04	-1.96E-05
4.04E+02	-3.10E-04	2.04E-04	-7.69E-05
4.04E+02	-3.49E-04	1.42E-04	-7.40E-05
4.04E+02	-3.40E-04	1.06E-04	-7.02E-05
4.04E+02	-3.03E-04	1.21E-04	-3.62E-05
4.04E+02	-3.11E-04	9.96E-05	-3.97E-05
4.04E+02	-3.12E-04	7.84E-05	-4.23E-05
4.04E+02	-2.84E-04	9.99E-05	5.72E-05
4.04E+02	-2.63E-04	9.75E-05	1.23E-04
4.04E+02	-2.61E-04	1.03E-04	1.59E-04
4.04E+02	-2.92E-04	9.78E-05	1.98E-04
4.04E+02	-2.96E-04	7.46E-05	1.79E-04
4.04E+02	-2.78E-04	8.01E-05	1.49E-04
4.04E+02	-3.07E-04	5.68E-05	7.69E-05
4.04E+02	-3.31E-04	1.74E-05	-1.13E-05
4.04E+02	-3.27E-04	-7.82E-06	-2.29E-05
4.04E+02	-3.02E-04	-4.81E-05	-4.77E-05
4.04E+02	-2.69E-04	-8.58E-05	-9.82E-05
4.04E+02	-2.62E-04	-1.12E-04	-1.15E-04
4.04E+02	-2.19E-04	-1.04E-04	-9.59E-05
4.04E+02	-1.55E-04	-6.29E-05	-3.17E-05
4.04E+02	-1.40E-04	-5.76E-05	-2.42E-05
4.04E+02	-1.26E-04	-8.72E-05	-5.23E-05
4.04E+02	-1.09E-04	-1.18E-04	2.48E-06
4.04E+02	-9.75E-05	-1.58E-04	5.19E-05
4.04E+02	-1.08E-04	-1.97E-04	7.57E-05
4.04E+02	-1.78E-04	-2.32E-04	7.32E-05
4.04E+02	-2.19E-04	-2.48E-04	1.07E-05
4.04E+02	-2.13E-04	-2.29E-04	-8.58E-06
4.04E+02	-2.52E-04	-2.29E-04	-5.70E-05
4.04E+02	-2.79E-04	-2.22E-04	-1.34E-04
4.04E+02	-2.64E-04	-1.67E-04	-1.14E-04
4.04E+02	-2.36E-04	-1.06E-04	-1.13E-04
4.04E+02	-1.92E-04	-4.06E-05	-1.09E-04
4.04E+02	-1.87E-04	1.01E-05	-3.95E-05
4.04E+02	-1.50E-04	5.87E-05	2.35E-05
4.04E+02	-7.36E-05	1.13E-04	1.11E-04
4.04E+02	-4.98E-05	1.17E-04	1.37E-04
4.04E+02	-3.03E-05	9.78E-05	6.54E-05
4.04E+02	0.00E+00	9.59E-05	1.26E-05

4.04E+02	4.18E-05	1.04E-04	-5.15E-05
4.04E+02	7.34E-05	1.19E-04	-1.29E-04
4.04E+02	3.87E-05	1.17E-04	-1.78E-04
4.04E+02	1.81E-05	1.09E-04	-2.08E-04
4.04E+02	2.19E-05	1.32E-04	-1.77E-04
4.04E+02	-3.32E-05	1.47E-04	-1.39E-04
4.04E+02	-1.02E-04	1.51E-04	-1.36E-04
4.04E+02	-1.48E-04	1.68E-04	-7.44E-05
4.04E+02	-1.71E-04	1.87E-04	-2.38E-05
4.04E+02	-1.78E-04	2.12E-04	-5.25E-05
4.04E+02	-2.07E-04	2.17E-04	-8.37E-05
4.04E+02	-2.08E-04	2.21E-04	-1.26E-04
4.04E+02	-1.76E-04	2.54E-04	-1.39E-04
4.04E+02	-1.81E-04	2.45E-04	-1.45E-04
4.04E+02	-1.89E-04	1.94E-04	-1.95E-04
4.04E+02	-1.80E-04	1.63E-04	-1.48E-04
4.04E+02	-1.77E-04	1.33E-04	-5.93E-05
4.04E+02	-1.98E-04	1.01E-04	-3.13E-05
4.04E+02	-2.67E-04	6.68E-05	3.81E-07
4.04E+02	-3.47E-04	1.75E-05	-6.10E-06
4.04E+02	-3.86E-04	-4.77E-06	-2.73E-05
4.04E+02	-4.39E-04	-2.57E-05	-3.81E-05
4.04E+02	-5.07E-04	-7.65E-05	-8.95E-05
4.04E+02	-5.36E-04	-9.08E-05	-8.05E-05
4.04E+02	-5.31E-04	-7.92E-05	-3.68E-05
4.04E+02	-5.03E-04	-6.73E-05	-5.19E-05
4.04E+02	-5.03E-04	-4.48E-05	-4.98E-05
4.04E+02	-5.00E-04	-1.89E-05	-1.93E-05
4.04E+02	-4.67E-04	2.59E-05	1.85E-05
4.04E+02	-4.74E-04	5.30E-05	-4.39E-06
4.04E+02	-4.93E-04	3.22E-05	-1.18E-04
4.04E+02	-5.04E-04	1.91E-06	-1.69E-04
4.04E+02	-4.96E-04	-2.63E-05	-1.69E-04
4.04E+02	-4.68E-04	-5.68E-05	-1.82E-04
4.04E+02	-4.74E-04	-8.79E-05	-1.49E-04
4.04E+02	-4.70E-04	-1.20E-04	-1.21E-04
4.04E+02	-4.22E-04	-1.32E-04	-8.43E-05
4.04E+02	-3.95E-04	-1.28E-04	-3.17E-05
4.04E+02	-3.98E-04	-1.42E-04	-3.95E-05
4.04E+02	-3.95E-04	-1.40E-04	-5.72E-07
4.04E+02	-3.55E-04	-1.19E-04	5.97E-05
4.04E+02	-2.99E-04	-1.34E-04	5.15E-05
4.04E+02	-2.75E-04	-1.67E-04	8.51E-05
4.04E+02	-2.35E-04	-2.02E-04	1.48E-04
4.04E+02	-1.54E-04	-2.30E-04	2.10E-04
4.04E+02	-1.03E-04	-2.67E-04	2.25E-04
4.04E+02	-7.95E-05	-3.38E-04	1.44E-04

4.04E+02	-4.37E-05	-3.89E-04	1.21E-04
4.04E+02	-1.11E-05	-4.21E-04	1.30E-04
4.04E+02	4.39E-06	-4.43E-04	7.92E-05
4.04E+02	-2.29E-05	-4.40E-04	5.02E-05
4.04E+02	-5.15E-05	-4.30E-04	9.16E-06
4.04E+02	-3.81E-05	-4.01E-04	-1.91E-07
4.04E+02	-4.29E-05	-3.78E-04	2.99E-05
4.04E+02	-5.25E-05	-3.87E-04	-1.79E-05
4.04E+02	-2.78E-05	-3.84E-04	-2.88E-05
4.04E+02	1.34E-05	-3.71E-04	-2.35E-05
4.04E+02	7.57E-05	-3.71E-04	-1.12E-04
4.04E+02	1.07E-04	-3.62E-04	-1.76E-04
4.04E+02	1.18E-04	-3.26E-04	-1.91E-04
4.04E+02	1.57E-04	-2.61E-04	-1.63E-04
4.04E+02	1.47E-04	-2.13E-04	-1.22E-04
4.04E+02	9.78E-05	-2.08E-04	-1.27E-04
4.04E+02	4.69E-05	-2.05E-04	-9.67E-05
4.04E+02	1.13E-05	-1.94E-04	-3.32E-05
4.04E+02	8.39E-06	-1.86E-04	-7.82E-06
4.04E+02	-4.27E-05	-1.99E-04	-1.53E-06
4.04E+02	-9.48E-05	-2.33E-04	-2.00E-05
4.04E+02	-7.59E-05	-2.44E-04	-5.44E-05
4.04E+02	-6.37E-05	-2.51E-04	-9.19E-05
4.04E+02	-7.11E-05	-2.90E-04	-1.76E-04
4.04E+02	-6.10E-05	-3.18E-04	-2.47E-04
4.04E+02	-3.15E-05	-3.28E-04	-2.65E-04
4.04E+02	1.49E-05	-3.40E-04	-2.86E-04
4.04E+02	3.70E-05	-3.48E-04	-2.54E-04
4.04E+02	3.15E-05	-3.40E-04	-1.67E-04
4.04E+02	4.52E-05	-3.12E-04	-8.07E-05
4.04E+02	3.60E-05	-2.83E-04	-2.78E-05
4.04E+02	-2.35E-05	-3.03E-04	-7.53E-05
4.04E+02	-6.94E-05	-3.38E-04	-1.16E-04
4.04E+02	-8.47E-05	-3.37E-04	-9.99E-05
4.04E+02	-1.08E-04	-3.43E-04	-1.38E-04
4.04E+02	-1.59E-04	-3.39E-04	-1.48E-04
4.04E+02	-2.10E-04	-3.05E-04	-1.09E-04
4.04E+02	-2.22E-04	-2.71E-04	-8.20E-05
4.04E+02	-2.45E-04	-2.29E-04	-4.23E-05
4.04E+02	-3.07E-04	-2.16E-04	-3.76E-05
4.04E+02	-3.50E-04	-2.08E-04	-8.20E-06
4.04E+02	-3.62E-04	-1.82E-04	6.41E-05
4.04E+02	-3.33E-04	-1.76E-04	7.36E-05
4.04E+02	-2.96E-04	-1.74E-04	1.01E-04
4.04E+02	-2.58E-04	-1.56E-04	1.65E-04
4.04E+02	-1.59E-04	-1.28E-04	2.22E-04
4.04E+02	-7.78E-05	-1.06E-04	2.67E-04

4.04E+02	-3.78E-05	-1.18E-04	2.08E-04
4.04E+02	1.58E-05	-1.49E-04	1.43E-04
4.04E+02	4.84E-05	-1.71E-04	1.28E-04
4.04E+02	6.43E-05	-2.04E-04	6.66E-05
4.04E+02	3.60E-05	-2.38E-04	4.06E-05
4.04E+02	-2.99E-05	-2.59E-04	2.65E-05
4.04E+02	-4.71E-05	-2.69E-04	4.39E-06
4.04E+02	-6.56E-05	-2.75E-04	4.44E-05
4.04E+02	-1.09E-04	-3.14E-04	4.22E-05
4.04E+02	-1.21E-04	-3.56E-04	3.83E-05
4.04E+02	-1.15E-04	-3.75E-04	8.32E-05
4.04E+02	-7.86E-05	-4.20E-04	5.11E-05
4.04E+02	-5.32E-05	-4.78E-04	-1.53E-06
4.04E+02	-5.93E-05	-5.24E-04	-2.73E-05
4.04E+02	-1.64E-05	-5.39E-04	-3.60E-05
4.04E+02	1.62E-05	-5.36E-04	-1.09E-05
4.04E+02	6.10E-06	-5.66E-04	-2.88E-05
4.05E+02	1.54E-05	-5.92E-04	-1.75E-05
4.05E+02	2.61E-05	-5.96E-04	7.82E-05
4.05E+02	4.75E-05	-5.97E-04	1.47E-04
4.05E+02	4.98E-05	-5.88E-04	1.96E-04
4.05E+02	1.81E-05	-5.80E-04	2.23E-04
4.05E+02	3.83E-05	-5.40E-04	2.12E-04
4.05E+02	7.02E-05	-4.70E-04	2.13E-04
4.05E+02	7.13E-05	-4.06E-04	1.67E-04
4.05E+02	8.37E-05	-3.30E-04	1.20E-04
4.05E+02	9.50E-05	-2.43E-04	1.50E-04
4.05E+02	1.14E-04	-1.83E-04	1.23E-04
4.05E+02	1.20E-04	-1.46E-04	5.02E-05
4.05E+02	9.06E-05	-1.16E-04	2.63E-05
4.05E+02	1.11E-04	-7.93E-05	2.10E-05
4.05E+02	1.55E-04	-2.98E-05	4.63E-05
4.05E+02	1.64E-04	-1.32E-05	3.19E-05
4.05E+02	1.88E-04	-1.70E-05	-1.07E-05
4.05E+02	2.24E-04	-1.34E-05	6.29E-06
4.05E+02	2.74E-04	-2.94E-05	1.34E-06
4.05E+02	3.20E-04	-6.39E-05	-1.45E-05
4.05E+02	3.12E-04	-1.33E-04	-2.56E-05
4.05E+02	3.36E-04	-2.04E-04	-6.89E-05
4.05E+02	3.79E-04	-2.41E-04	-8.77E-05
4.05E+02	3.56E-04	-2.85E-04	-1.36E-04
4.05E+02	3.31E-04	-3.20E-04	-2.07E-04
4.05E+02	3.29E-04	-3.21E-04	-2.04E-04
4.05E+02	3.44E-04	-3.29E-04	-1.89E-04
4.05E+02	3.44E-04	-3.49E-04	-1.49E-04
4.05E+02	2.97E-04	-3.79E-04	-5.17E-05
4.05E+02	2.71E-04	-4.07E-04	3.59E-05

4.05E+02	2.57E-04	-4.00E-04	1.13E-04
4.05E+02	2.08E-04	-3.91E-04	1.52E-04
4.05E+02	1.66E-04	-3.95E-04	1.76E-04
4.05E+02	1.47E-04	-3.68E-04	2.50E-04
4.05E+02	1.37E-04	-3.43E-04	2.94E-04
4.05E+02	9.61E-05	-3.36E-04	2.83E-04
4.05E+02	1.32E-05	-3.37E-04	2.47E-04
4.05E+02	-3.72E-05	-3.42E-04	1.95E-04
4.05E+02	-5.86E-05	-3.27E-04	1.70E-04
4.05E+02	-1.13E-04	-3.24E-04	1.33E-04
4.05E+02	-1.48E-04	-3.08E-04	8.37E-05
4.05E+02	-1.64E-04	-2.44E-04	7.32E-05
4.05E+02	-1.70E-04	-1.92E-04	2.56E-05
4.05E+02	-1.44E-04	-1.43E-04	-2.40E-05
4.05E+02	-1.54E-04	-1.02E-04	-1.56E-05
4.05E+02	-1.41E-04	-7.97E-05	2.48E-06
4.05E+02	-8.64E-05	-3.78E-05	4.71E-05
4.05E+02	-6.75E-05	-2.17E-05	5.53E-05
4.05E+02	-2.54E-05	-3.83E-05	2.50E-05
4.05E+02	5.00E-05	-4.77E-05	6.28E-05
4.05E+02	1.43E-04	-6.69E-05	1.08E-04
4.05E+02	2.32E-04	-1.01E-04	1.32E-04
4.05E+02	2.61E-04	-1.60E-04	1.48E-04
4.05E+02	3.07E-04	-2.32E-04	1.33E-04
4.05E+02	3.73E-04	-2.81E-04	1.26E-04
4.05E+02	3.79E-04	-3.46E-04	7.38E-05
4.05E+02	3.67E-04	-4.24E-04	-3.03E-05
4.05E+02	3.64E-04	-4.51E-04	-7.74E-05
4.05E+02	3.61E-04	-4.56E-04	-1.32E-04
4.05E+02	3.58E-04	-4.56E-04	-2.26E-04
4.05E+02	3.16E-04	-4.42E-04	-2.61E-04
4.05E+02	2.83E-04	-4.05E-04	-2.50E-04
4.05E+02	2.87E-04	-3.37E-04	-1.97E-04
4.05E+02	2.58E-04	-2.96E-04	-1.67E-04
4.05E+02	2.29E-04	-2.91E-04	-1.96E-04
4.05E+02	2.33E-04	-2.78E-04	-1.50E-04
4.05E+02	2.65E-04	-2.81E-04	-7.40E-05
4.05E+02	3.03E-04	-3.01E-04	-2.71E-05
4.05E+02	3.01E-04	-3.29E-04	1.75E-05
4.05E+02	3.10E-04	-3.68E-04	2.90E-05
4.05E+02	3.39E-04	-3.76E-04	5.42E-05
4.05E+02	3.18E-04	-3.84E-04	6.43E-05
4.05E+02	2.76E-04	-4.03E-04	1.93E-05
4.05E+02	2.38E-04	-3.84E-04	3.03E-05
4.05E+02	2.13E-04	-3.51E-04	6.47E-05
4.05E+02	2.04E-04	-3.17E-04	5.05E-05
4.05E+02	1.75E-04	-2.87E-04	7.42E-05

4.05E+02	1.64E-04	-2.52E-04	1.26E-04
4.05E+02	1.96E-04	-2.02E-04	1.72E-04
4.05E+02	2.01E-04	-1.80E-04	1.75E-04
4.05E+02	1.87E-04	-1.94E-04	8.62E-05
4.05E+02	1.94E-04	-1.89E-04	4.20E-05
4.05E+02	1.95E-04	-1.67E-04	4.20E-05
4.05E+02	1.90E-04	-1.47E-04	1.16E-05
4.05E+02	1.64E-04	-1.18E-04	5.53E-06
4.05E+02	1.44E-04	-9.50E-05	-3.45E-05
4.05E+02	1.80E-04	-4.81E-05	-5.32E-05
4.05E+02	2.05E-04	-8.58E-06	-2.02E-05
4.05E+02	2.12E-04	-1.95E-05	-4.35E-05
4.05E+02	2.35E-04	-1.20E-05	-4.41E-05
4.05E+02	2.69E-04	-6.10E-06	-3.83E-05
4.05E+02	3.20E-04	-1.62E-05	-8.75E-05
4.05E+02	3.33E-04	-2.48E-05	-9.86E-05
4.05E+02	3.25E-04	-4.54E-05	-8.49E-05
4.05E+02	3.46E-04	-4.06E-05	-6.50E-05
4.05E+02	3.19E-04	-4.90E-05	-5.72E-05
4.05E+02	2.42E-04	-8.47E-05	-9.38E-05
4.05E+02	1.85E-04	-1.01E-04	-8.60E-05
4.05E+02	1.33E-04	-1.06E-04	-3.38E-05
4.05E+02	8.51E-05	-7.42E-05	-5.72E-07
4.05E+02	-9.73E-06	-4.69E-05	6.10E-06
4.05E+02	-1.07E-04	-2.99E-05	-1.98E-05
4.05E+02	-1.23E-04	3.74E-05	-4.01E-06
4.05E+02	-1.58E-04	9.21E-05	4.65E-05
4.05E+02	-2.01E-04	1.05E-04	6.28E-05
4.05E+02	-2.01E-04	1.21E-04	1.28E-04
4.05E+02	-1.92E-04	1.33E-04	2.19E-04
4.05E+02	-1.59E-04	1.20E-04	2.36E-04
4.05E+02	-1.51E-04	9.25E-05	2.25E-04
4.05E+02	-1.52E-04	5.91E-05	2.19E-04
4.05E+02	-1.07E-04	4.22E-05	2.31E-04
4.05E+02	-8.91E-05	1.87E-05	1.93E-04
4.05E+02	-8.62E-05	-4.84E-05	5.42E-05
4.05E+02	-5.87E-05	-1.10E-04	-4.60E-05
4.05E+02	-1.64E-05	-1.61E-04	-6.47E-05
4.05E+02	3.68E-05	-2.16E-04	-6.89E-05
4.05E+02	4.71E-05	-2.75E-04	-8.91E-05
4.05E+02	5.04E-05	-3.41E-04	-1.31E-04
4.05E+02	1.04E-04	-3.62E-04	-1.58E-04
4.05E+02	1.33E-04	-3.58E-04	-1.76E-04
4.05E+02	1.42E-04	-3.58E-04	-1.98E-04
4.05E+02	1.73E-04	-3.36E-04	-1.56E-04
4.05E+02	2.13E-04	-3.01E-04	-5.55E-05
4.05E+02	2.64E-04	-2.76E-04	6.68E-06

4.05E+02	2.61E-04	-2.74E-04	5.00E-05
4.05E+02	2.29E-04	-2.73E-04	1.24E-04
4.05E+02	2.10E-04	-2.50E-04	2.05E-04
4.05E+02	1.54E-04	-2.26E-04	2.54E-04
4.05E+02	8.56E-05	-2.25E-04	2.20E-04
4.05E+02	2.54E-05	-2.16E-04	2.00E-04
4.05E+02	-1.47E-05	-1.81E-04	2.34E-04
4.05E+02	-2.00E-05	-1.41E-04	2.39E-04
4.05E+02	-4.44E-05	-1.06E-04	2.57E-04
4.05E+02	-6.68E-05	-8.85E-05	2.53E-04
4.05E+02	-3.11E-05	-7.36E-05	2.23E-04
4.05E+02	1.53E-06	-4.81E-05	2.03E-04
4.05E+02	3.03E-05	-3.81E-05	1.08E-04
4.05E+02	8.43E-05	-2.99E-05	3.26E-05
4.05E+02	1.47E-04	-1.56E-05	2.90E-05
4.05E+02	2.51E-04	-1.34E-05	-8.01E-06
4.05E+02	3.21E-04	-3.78E-05	-3.26E-05
4.05E+02	3.46E-04	-6.07E-05	-2.06E-05
4.05E+02	4.20E-04	-3.81E-05	3.70E-05
4.05E+02	4.45E-04	-1.68E-05	8.14E-05
4.05E+02	4.04E-04	-2.02E-05	2.48E-06
4.05E+02	3.85E-04	3.43E-06	-4.71E-05
4.05E+02	3.62E-04	4.35E-05	-2.17E-05
4.05E+02	3.32E-04	7.55E-05	-2.33E-05
4.05E+02	2.73E-04	8.62E-05	3.81E-07
4.05E+02	1.85E-04	5.04E-05	4.31E-05
4.05E+02	1.54E-04	9.92E-06	1.10E-04
4.05E+02	1.37E-04	-3.55E-05	2.23E-04
4.05E+02	8.60E-05	-1.27E-04	2.79E-04
4.05E+02	4.56E-05	-2.06E-04	2.97E-04
4.05E+02	2.21E-05	-2.48E-04	3.10E-04
4.05E+02	1.03E-05	-2.89E-04	2.32E-04
4.05E+02	-1.77E-05	-3.17E-04	1.30E-04
4.05E+02	-6.69E-05	-3.25E-04	7.71E-05
4.05E+02	-8.45E-05	-2.96E-04	5.28E-05
4.05E+02	-9.73E-05	-2.52E-04	5.51E-05
4.05E+02	-1.47E-04	-2.39E-04	1.34E-05
4.05E+02	-1.80E-04	-2.23E-04	-2.63E-05
4.05E+02	-1.76E-04	-1.94E-04	-2.88E-05
4.05E+02	-1.57E-04	-1.70E-04	-7.78E-05
4.05E+02	-1.49E-04	-1.42E-04	-1.37E-04
4.05E+02	-1.60E-04	-1.16E-04	-1.75E-04
4.05E+02	-1.16E-04	-6.20E-05	-1.79E-04
4.05E+02	-4.77E-05	-3.81E-07	-1.27E-04
4.05E+02	-2.46E-05	8.96E-06	-9.27E-05
4.05E+02	7.06E-06	-1.34E-06	-6.58E-05
4.05E+02	5.00E-05	-1.47E-05	-1.34E-06

4.05E+02	9.57E-05	-4.94E-05	-9.35E-06
4.05E+02	1.11E-04	-9.65E-05	-8.91E-05
4.05E+02	9.10E-05	-1.33E-04	-9.46E-05
4.05E+02	1.21E-04	-1.16E-04	-1.51E-05
4.05E+02	1.37E-04	-8.54E-05	7.29E-05
4.05E+02	1.01E-04	-9.57E-05	8.87E-05
4.05E+02	9.46E-05	-1.02E-04	7.99E-05
4.05E+02	1.09E-04	-9.84E-05	1.33E-04
4.05E+02	1.36E-04	-1.01E-04	1.84E-04
4.05E+02	1.53E-04	-9.67E-05	2.14E-04
4.05E+02	1.32E-04	-1.03E-04	2.12E-04
4.05E+02	1.43E-04	-9.04E-05	1.80E-04
4.05E+02	1.62E-04	-5.46E-05	1.80E-04
4.05E+02	1.36E-04	-4.62E-05	1.63E-04
4.05E+02	1.22E-04	-5.51E-05	1.43E-04
4.05E+02	1.30E-04	-6.35E-05	1.64E-04
4.05E+02	1.58E-04	-9.73E-05	1.13E-04
4.05E+02	1.86E-04	-1.34E-04	1.22E-05
4.05E+02	1.86E-04	-1.40E-04	-4.22E-05
4.05E+02	2.10E-04	-1.19E-04	-6.96E-05
4.05E+02	2.40E-04	-6.85E-05	-7.40E-05
4.05E+02	2.34E-04	-2.12E-05	-9.63E-05
4.05E+02	2.25E-04	1.26E-05	-1.32E-04
4.05E+02	2.32E-04	6.89E-05	-9.75E-05
4.05E+02	2.53E-04	1.19E-04	-5.61E-05
4.05E+02	2.52E-04	1.47E-04	-4.12E-05
4.05E+02	2.11E-04	1.51E-04	-1.64E-05
4.05E+02	1.99E-04	1.36E-04	-3.81E-06
4.05E+02	1.98E-04	1.41E-04	2.17E-05
4.06E+02	1.53E-04	1.26E-04	3.51E-05
4.06E+02	1.00E-04	1.01E-04	2.14E-05
4.06E+02	7.31E-05	1.06E-04	5.57E-05
4.06E+02	8.22E-05	9.31E-05	8.30E-05
4.06E+02	1.08E-04	6.85E-05	8.72E-05
4.06E+02	1.11E-04	3.38E-05	1.17E-04
4.06E+02	1.45E-04	-2.86E-06	1.40E-04
4.06E+02	1.96E-04	-1.87E-05	1.59E-04
4.06E+02	1.84E-04	-7.76E-05	9.75E-05
4.06E+02	1.66E-04	-1.47E-04	-3.40E-05
4.06E+02	1.72E-04	-1.69E-04	-9.94E-05
4.06E+02	1.91E-04	-1.76E-04	-1.41E-04
4.06E+02	1.94E-04	-1.69E-04	-1.75E-04
4.06E+02	1.51E-04	-1.63E-04	-1.83E-04
4.06E+02	1.40E-04	-1.52E-04	-1.94E-04
4.06E+02	1.59E-04	-1.21E-04	-1.58E-04
4.06E+02	1.28E-04	-1.32E-04	-1.48E-04
4.06E+02	8.95E-05	-1.66E-04	-1.80E-04

4.06E+02	7.25E-05	-1.67E-04	-1.44E-04
4.06E+02	8.01E-05	-1.54E-04	-1.14E-04
4.06E+02	9.82E-05	-1.26E-04	-1.07E-04
4.06E+02	1.01E-04	-9.02E-05	-6.47E-05
4.06E+02	1.42E-04	-4.14E-05	-1.39E-05
4.06E+02	2.12E-04	4.06E-05	5.47E-05
4.06E+02	2.47E-04	9.44E-05	4.69E-05
4.06E+02	2.89E-04	1.16E-04	-2.21E-05
4.06E+02	3.51E-04	1.61E-04	-1.91E-05
4.06E+02	4.09E-04	2.13E-04	-1.85E-05
4.06E+02	4.56E-04	2.67E-04	-4.81E-05
4.06E+02	4.42E-04	3.03E-04	-7.90E-05
4.06E+02	4.23E-04	3.14E-04	-1.13E-04
4.06E+02	4.23E-04	3.32E-04	-9.98E-05
4.06E+02	3.61E-04	3.04E-04	-1.05E-04
4.06E+02	2.93E-04	2.49E-04	-1.37E-04
4.06E+02	2.51E-04	2.34E-04	-1.04E-04
4.06E+02	2.15E-04	2.22E-04	-8.70E-05
4.06E+02	1.78E-04	2.06E-04	-1.06E-04
4.06E+02	9.61E-05	1.94E-04	-8.18E-05
4.06E+02	1.96E-05	1.89E-04	-3.15E-05
4.06E+02	-2.14E-05	2.09E-04	4.54E-05
4.06E+02	-9.29E-05	2.02E-04	8.01E-05
4.06E+02	-1.55E-04	1.59E-04	5.51E-05
4.06E+02	-1.78E-04	1.29E-04	9.06E-05
4.06E+02	-1.91E-04	1.06E-04	1.28E-04
4.06E+02	-2.03E-04	8.07E-05	1.21E-04
4.06E+02	-2.47E-04	6.01E-05	1.13E-04
4.06E+02	-2.71E-04	3.59E-05	5.30E-05
4.06E+02	-2.38E-04	2.57E-05	-9.92E-06
4.06E+02	-2.16E-04	7.82E-06	-7.02E-05
4.06E+02	-1.94E-04	-6.48E-05	-1.76E-04
4.06E+02	-1.46E-04	-1.30E-04	-2.08E-04
4.06E+02	-7.17E-05	-1.71E-04	-2.15E-04
4.06E+02	-4.58E-06	-2.31E-04	-2.77E-04
4.06E+02	5.91E-06	-2.71E-04	-3.02E-04
4.06E+02	7.25E-06	-2.78E-04	-2.97E-04
4.06E+02	6.29E-06	-2.54E-04	-2.42E-04
4.06E+02	-4.46E-05	-2.31E-04	-2.04E-04
4.06E+02	-1.11E-04	-2.29E-04	-2.53E-04
4.06E+02	-1.55E-04	-1.91E-04	-2.33E-04
4.06E+02	-1.67E-04	-1.20E-04	-1.65E-04
4.06E+02	-1.60E-04	-3.28E-05	-1.46E-04
4.06E+02	-1.71E-04	6.24E-05	-1.24E-04
4.06E+02	-1.47E-04	1.51E-04	-9.84E-05
4.06E+02	-6.77E-05	2.37E-04	-4.41E-05
4.06E+02	-2.42E-05	2.80E-04	2.19E-05

4.06E+02	-1.53E-05	2.64E-04	1.28E-05
4.06E+02	-1.68E-05	2.51E-04	1.91E-05
4.06E+02	-2.82E-05	2.44E-04	3.01E-05
4.06E+02	-3.57E-05	2.25E-04	-3.49E-05
4.06E+02	-7.46E-05	2.11E-04	-5.61E-05
4.06E+02	-9.92E-05	2.02E-04	-3.55E-05
4.06E+02	-7.71E-05	2.22E-04	-6.10E-06
4.06E+02	-6.92E-05	2.34E-04	2.38E-05
4.06E+02	-6.90E-05	1.81E-04	-4.37E-05
4.06E+02	-4.29E-05	1.30E-04	-1.01E-04
4.06E+02	2.06E-05	9.73E-05	-8.58E-05
4.06E+02	1.01E-04	5.89E-05	-1.01E-04
4.06E+02	1.42E-04	3.49E-05	-1.05E-04
4.06E+02	1.67E-04	2.75E-05	-9.80E-05
4.06E+02	2.22E-04	6.39E-05	-9.98E-05
4.06E+02	2.50E-04	1.14E-04	-8.30E-05
4.06E+02	2.34E-04	1.29E-04	-8.98E-05
4.06E+02	2.25E-04	1.60E-04	-5.59E-05
4.06E+02	2.24E-04	2.04E-04	1.75E-05
4.06E+02	2.04E-04	2.13E-04	3.41E-05
4.06E+02	1.47E-04	2.01E-04	6.52E-05
4.06E+02	7.29E-05	1.90E-04	1.12E-04
4.06E+02	1.70E-05	1.97E-04	1.36E-04
4.06E+02	-4.88E-05	2.09E-04	1.30E-04
4.06E+02	-1.25E-04	1.97E-04	3.26E-05
4.06E+02	-1.60E-04	2.11E-04	-3.43E-05
4.06E+02	-1.59E-04	2.64E-04	-3.07E-05
4.06E+02	-1.36E-04	3.21E-04	-7.15E-05
4.06E+02	-1.41E-04	3.84E-04	-1.06E-04
4.06E+02	-1.76E-04	4.37E-04	-1.43E-04
4.06E+02	-1.69E-04	4.97E-04	-1.91E-04
4.06E+02	-1.83E-04	5.46E-04	-2.09E-04
4.06E+02	-2.39E-04	5.29E-04	-2.58E-04
4.06E+02	-2.67E-04	5.04E-04	-2.70E-04
4.06E+02	-2.74E-04	4.76E-04	-2.16E-04
4.06E+02	-2.57E-04	4.30E-04	-1.87E-04
4.06E+02	-2.56E-04	3.85E-04	-1.53E-04
4.06E+02	-2.57E-04	3.41E-04	-8.87E-05
4.06E+02	-1.88E-04	3.34E-04	2.29E-06
4.06E+02	-1.29E-04	3.22E-04	7.90E-05
4.06E+02	-9.35E-05	2.74E-04	8.77E-05
4.06E+02	-2.44E-05	2.38E-04	1.06E-04
4.06E+02	3.51E-05	2.05E-04	1.46E-04
4.06E+02	8.68E-05	1.79E-04	1.57E-04
4.06E+02	9.92E-05	1.58E-04	1.80E-04
4.06E+02	6.92E-05	1.23E-04	2.00E-04
4.06E+02	9.23E-05	1.10E-04	2.28E-04

4.06E+02	1.23E-04	1.09E-04	2.75E-04
4.06E+02	1.26E-04	8.32E-05	2.53E-04
4.06E+02	1.56E-04	6.90E-05	2.07E-04
4.06E+02	1.94E-04	6.96E-05	1.75E-04
4.06E+02	2.42E-04	5.53E-05	7.04E-05
4.06E+02	2.83E-04	5.07E-05	-4.60E-05
4.06E+02	2.83E-04	6.52E-05	-1.15E-04
4.06E+02	2.99E-04	1.04E-04	-1.21E-04
4.06E+02	3.13E-04	1.78E-04	-4.67E-05
4.06E+02	2.75E-04	2.11E-04	-1.70E-05
4.06E+02	2.29E-04	2.23E-04	-1.34E-05
4.06E+02	2.04E-04	2.71E-04	4.60E-05
4.06E+02	1.92E-04	3.03E-04	6.47E-05
4.06E+02	1.56E-04	3.32E-04	4.35E-05
4.06E+02	1.04E-04	3.57E-04	2.27E-05
4.06E+02	1.14E-04	3.85E-04	8.58E-06
4.06E+02	1.36E-04	4.22E-04	1.35E-05
4.06E+02	1.26E-04	4.22E-04	-2.96E-05
4.06E+02	1.39E-04	4.19E-04	-7.44E-05
4.06E+02	1.66E-04	4.27E-04	-4.37E-05
4.06E+02	2.13E-04	4.22E-04	-4.18E-05
4.06E+02	2.43E-04	4.14E-04	-6.14E-05
4.06E+02	2.35E-04	3.95E-04	-3.78E-05
4.06E+02	2.61E-04	3.83E-04	9.35E-06
4.06E+02	2.97E-04	3.81E-04	9.56E-05
4.06E+02	2.83E-04	3.31E-04	1.23E-04
4.06E+02	2.73E-04	2.68E-04	1.11E-04
4.06E+02	2.98E-04	2.41E-04	1.51E-04
4.06E+02	3.24E-04	2.10E-04	1.54E-04
4.06E+02	3.39E-04	1.94E-04	1.52E-04
4.06E+02	3.05E-04	1.79E-04	1.28E-04
4.06E+02	2.82E-04	1.68E-04	7.08E-05
4.06E+02	2.87E-04	2.06E-04	7.15E-05
4.06E+02	2.28E-04	2.19E-04	3.80E-05
4.06E+02	1.78E-04	2.29E-04	3.43E-06
4.06E+02	1.72E-04	2.68E-04	4.92E-05
4.06E+02	1.86E-04	2.88E-04	3.99E-05
4.06E+02	2.11E-04	3.14E-04	-6.48E-06
4.06E+02	1.92E-04	3.35E-04	-1.34E-05
4.06E+02	2.20E-04	3.82E-04	-2.40E-05
4.06E+02	2.82E-04	4.57E-04	-3.51E-05
4.06E+02	2.92E-04	4.74E-04	-1.10E-04
4.06E+02	3.19E-04	4.58E-04	-2.40E-04
4.06E+02	3.73E-04	4.59E-04	-2.88E-04
4.06E+02	4.22E-04	4.47E-04	-3.11E-04
4.06E+02	4.48E-04	4.22E-04	-3.47E-04
4.06E+02	4.22E-04	3.97E-04	-3.38E-04

4.06E+02	3.95E-04	3.55E-04	-3.39E-04
4.06E+02	3.74E-04	3.20E-04	-3.19E-04
4.06E+02	3.13E-04	2.90E-04	-2.89E-04
4.06E+02	2.52E-04	2.49E-04	-2.90E-04
4.06E+02	2.16E-04	2.28E-04	-2.17E-04
4.06E+02	1.97E-04	1.99E-04	-1.45E-04
4.06E+02	1.88E-04	1.54E-04	-1.21E-04
4.06E+02	1.51E-04	1.11E-04	-6.56E-05
4.06E+02	1.37E-04	8.81E-05	-4.39E-06
4.06E+02	1.58E-04	1.04E-04	7.13E-05
4.06E+02	1.42E-04	9.75E-05	9.38E-05
4.06E+02	1.23E-04	4.98E-05	7.08E-05
4.06E+02	1.30E-04	1.62E-05	1.14E-04
4.06E+02	1.47E-04	9.54E-07	1.45E-04
4.06E+02	1.40E-04	-1.81E-05	1.29E-04
4.06E+02	8.58E-05	-3.59E-05	1.36E-04
4.06E+02	4.83E-05	-3.28E-05	1.54E-04
4.06E+02	3.87E-05	-1.91E-06	1.66E-04
4.06E+02	3.81E-07	1.54E-05	1.34E-04
4.06E+02	-3.95E-05	2.25E-05	6.01E-05
4.06E+02	-5.09E-05	6.90E-05	3.89E-05
4.06E+02	-2.77E-05	1.08E-04	-1.20E-05
4.06E+02	2.21E-05	1.17E-04	-1.30E-04
4.06E+02	2.75E-05	1.09E-04	-2.01E-04
4.06E+02	3.24E-05	8.74E-05	-2.50E-04
4.06E+02	7.00E-05	9.16E-05	-2.52E-04
4.06E+02	6.26E-05	8.39E-05	-2.57E-04
4.06E+02	5.86E-05	6.01E-05	-3.11E-04
4.06E+02	6.85E-05	6.54E-05	-2.82E-04
4.06E+02	8.13E-05	7.59E-05	-2.41E-04
4.06E+02	1.10E-04	9.10E-05	-2.49E-04
4.06E+02	8.62E-05	9.61E-05	-2.33E-04
4.06E+02	9.57E-05	8.89E-05	-2.11E-04
4.06E+02	1.71E-04	9.99E-05	-1.68E-04
4.06E+02	2.11E-04	7.93E-05	-1.39E-04
4.06E+02	2.55E-04	4.06E-05	-1.47E-04
4.06E+02	3.17E-04	4.10E-05	-9.08E-05
4.06E+02	3.90E-04	5.19E-05	-2.84E-05
4.06E+02	4.66E-04	7.25E-05	-2.25E-05
4.06E+02	4.88E-04	1.01E-04	9.35E-06
4.06E+02	5.10E-04	1.31E-04	5.34E-05
4.07E+02	5.61E-04	1.66E-04	1.03E-04
4.07E+02	5.58E-04	1.57E-04	1.38E-04
4.07E+02	5.27E-04	1.05E-04	9.98E-05
4.07E+02	5.09E-04	5.42E-05	6.68E-05
4.07E+02	4.96E-04	-1.72E-06	3.11E-05
4.07E+02	4.81E-04	-4.29E-05	-3.32E-05

4.07E+02	4.19E-04	-6.60E-05	-7.27E-05
4.07E+02	3.50E-04	-9.69E-05	-1.30E-04
4.07E+02	3.28E-04	-8.87E-05	-1.43E-04
4.07E+02	2.79E-04	-5.89E-05	-9.77E-05
4.07E+02	2.01E-04	-4.37E-05	-9.52E-05
4.07E+02	1.41E-04	4.58E-06	-5.17E-05
4.07E+02	1.06E-04	6.45E-05	3.81E-06
4.07E+02	8.26E-05	1.15E-04	-7.06E-06
4.07E+02	1.54E-05	1.64E-04	3.24E-06
4.07E+02	-3.99E-05	2.01E-04	4.20E-05
4.07E+02	-5.80E-05	2.55E-04	1.09E-04
4.07E+02	-1.01E-04	2.95E-04	1.47E-04
4.07E+02	-1.44E-04	2.71E-04	8.53E-05
4.07E+02	-1.67E-04	2.48E-04	5.25E-05
4.07E+02	-1.59E-04	2.47E-04	6.20E-05
4.07E+02	-1.22E-04	2.52E-04	4.98E-05
4.07E+02	-1.13E-04	2.74E-04	7.71E-05
4.07E+02	-1.06E-04	2.82E-04	9.90E-05
4.07E+02	-4.04E-05	3.05E-04	1.04E-04
4.07E+02	3.81E-06	3.11E-04	8.95E-05
4.07E+02	1.64E-05	2.69E-04	8.39E-06
4.07E+02	6.45E-05	2.54E-04	-6.87E-06
4.07E+02	1.11E-04	2.49E-04	1.95E-05
4.07E+02	1.67E-04	2.40E-04	-3.53E-05
4.07E+02	1.99E-04	2.38E-04	-8.39E-05
4.07E+02	1.96E-04	2.42E-04	-1.03E-04
4.07E+02	2.17E-04	2.91E-04	-1.10E-04
4.07E+02	1.96E-04	3.41E-04	-1.29E-04
4.07E+02	1.44E-04	3.54E-04	-2.10E-04
4.07E+02	1.23E-04	3.78E-04	-2.27E-04
4.07E+02	1.13E-04	4.10E-04	-1.71E-04
4.07E+02	1.16E-04	4.31E-04	-1.49E-04
4.07E+02	9.38E-05	4.50E-04	-1.13E-04
4.07E+02	6.16E-05	4.45E-04	-9.33E-05
4.07E+02	8.39E-05	4.38E-04	-6.66E-05
4.07E+02	1.01E-04	4.36E-04	-3.81E-06
4.07E+02	9.38E-05	4.06E-04	-2.00E-05
4.07E+02	9.61E-05	3.87E-04	-1.74E-05
4.07E+02	9.86E-05	3.71E-04	4.58E-05
4.07E+02	1.06E-04	3.19E-04	6.50E-05
4.07E+02	6.03E-05	2.58E-04	1.06E-04
4.07E+02	-1.51E-05	1.91E-04	1.50E-04
4.07E+02	-3.83E-05	1.40E-04	1.73E-04
4.07E+02	-7.34E-05	9.10E-05	1.88E-04
4.07E+02	-1.27E-04	2.12E-05	1.28E-04
4.07E+02	-1.39E-04	-1.75E-05	9.67E-05
4.07E+02	-1.29E-04	-3.17E-05	1.23E-04

4.07E+02	-1.00E-04	-3.64E-05	1.31E-04
4.07E+02	-9.71E-05	-3.07E-05	1.46E-04
4.07E+02	-1.18E-04	-3.38E-05	1.33E-04
4.07E+02	-6.89E-05	-2.67E-06	1.16E-04
4.07E+02	-7.06E-06	4.44E-05	1.06E-04
4.07E+02	2.33E-05	5.13E-05	1.96E-05
4.07E+02	7.27E-05	5.82E-05	-3.89E-05
4.07E+02	1.23E-04	7.02E-05	-2.14E-05
4.07E+02	1.78E-04	6.18E-05	-3.22E-05
4.07E+02	1.87E-04	5.04E-05	-3.34E-05
4.07E+02	1.52E-04	2.99E-05	3.05E-06
4.07E+02	1.57E-04	2.61E-05	4.90E-05
4.07E+02	1.49E-04	4.22E-05	8.07E-05
4.07E+02	9.61E-05	2.35E-05	9.73E-06
4.07E+02	5.82E-05	8.01E-06	-8.18E-05
4.07E+02	4.77E-05	3.45E-05	-1.03E-04
4.07E+02	5.59E-05	7.80E-05	-1.16E-04
4.07E+02	4.41E-05	1.19E-04	-1.05E-04
4.07E+02	-5.72E-07	1.34E-04	-1.03E-04
4.07E+02	1.22E-05	1.56E-04	-1.04E-04
4.07E+02	4.65E-05	1.85E-04	-6.20E-05
4.07E+02	2.77E-05	1.72E-04	-7.06E-05
4.07E+02	2.78E-05	1.67E-04	-6.87E-05
4.07E+02	4.08E-05	1.93E-04	-2.48E-06
4.07E+02	5.40E-05	2.17E-04	4.20E-06
4.07E+02	5.15E-05	2.44E-04	-6.29E-06
4.07E+02	2.48E-06	2.74E-04	1.70E-05
4.07E+02	-2.48E-06	3.37E-04	5.28E-05
4.07E+02	9.54E-06	4.17E-04	1.02E-04
4.07E+02	-1.85E-05	4.39E-04	7.44E-05
4.07E+02	-1.18E-05	4.36E-04	3.40E-05
4.07E+02	1.62E-05	4.47E-04	6.83E-05
4.07E+02	3.47E-05	4.33E-04	8.11E-05
4.07E+02	1.95E-05	4.11E-04	6.58E-05
4.07E+02	-3.89E-05	3.91E-04	4.35E-05
4.07E+02	-5.38E-05	3.93E-04	1.70E-05
4.07E+02	-5.32E-05	4.31E-04	3.59E-05
4.07E+02	-9.29E-05	4.32E-04	3.13E-05
4.07E+02	-1.32E-04	4.13E-04	1.43E-05
4.07E+02	-1.65E-04	4.19E-04	5.68E-05
4.07E+02	-1.81E-04	3.91E-04	2.82E-05
4.07E+02	-2.12E-04	3.32E-04	-4.06E-05
4.07E+02	-2.76E-04	2.75E-04	-6.62E-05
4.07E+02	-2.82E-04	2.41E-04	-1.10E-04
4.07E+02	-2.57E-04	2.43E-04	-1.25E-04
4.07E+02	-2.64E-04	2.36E-04	-1.58E-04
4.07E+02	-2.45E-04	2.32E-04	-2.01E-04

4.07E+02	-1.98E-04	2.37E-04	-1.66E-04
4.07E+02	-1.35E-04	2.27E-04	-1.24E-04
4.07E+02	-9.27E-05	2.01E-04	-8.93E-05
4.07E+02	-1.08E-04	1.41E-04	-7.29E-05
4.07E+02	-9.54E-05	7.90E-05	-7.65E-05
4.07E+02	-8.30E-05	4.37E-05	-5.76E-05
4.07E+02	-1.27E-04	-1.72E-06	-8.14E-05
4.07E+02	-1.69E-04	-2.98E-05	-1.08E-04
4.07E+02	-2.03E-04	-1.35E-05	-7.51E-05
4.07E+02	-2.30E-04	4.77E-06	-7.84E-05
4.07E+02	-2.63E-04	1.77E-05	-1.18E-04
4.07E+02	-3.39E-04	1.96E-05	-1.44E-04
4.07E+02	-3.97E-04	3.05E-05	-1.53E-04
4.07E+02	-4.34E-04	8.14E-05	-1.34E-04
4.07E+02	-5.07E-04	1.13E-04	-1.69E-04
4.07E+02	-5.63E-04	1.47E-04	-1.92E-04
4.07E+02	-5.95E-04	2.08E-04	-1.35E-04
4.07E+02	-6.15E-04	2.54E-04	-1.10E-04
4.07E+02	-6.18E-04	3.11E-04	-8.51E-05
4.07E+02	-6.50E-04	3.40E-04	-5.44E-05
4.07E+02	-6.31E-04	3.58E-04	-3.72E-05
4.07E+02	-5.35E-04	4.14E-04	4.41E-05
4.07E+02	-4.77E-04	4.10E-04	9.14E-05
4.07E+02	-4.21E-04	3.64E-04	9.04E-05
4.07E+02	-3.39E-04	3.26E-04	1.41E-04
4.07E+02	-2.53E-04	2.57E-04	1.47E-04
4.07E+02	-1.76E-04	1.71E-04	1.07E-04
4.07E+02	-1.45E-04	7.76E-05	1.09E-04
4.07E+02	-1.00E-04	1.91E-07	1.37E-04
4.07E+02	-5.68E-05	-4.65E-05	1.89E-04
4.07E+02	-7.32E-05	-1.13E-04	1.50E-04
4.07E+02	-8.05E-05	-1.88E-04	3.22E-05
4.07E+02	-6.71E-05	-2.36E-04	1.26E-05
4.07E+02	-4.75E-05	-2.73E-04	3.85E-05
4.07E+02	-3.45E-05	-3.19E-04	4.75E-05
4.07E+02	-7.63E-05	-3.77E-04	8.39E-05
4.07E+02	-9.08E-05	-4.03E-04	1.44E-04
4.07E+02	-9.35E-05	-4.14E-04	1.93E-04
4.07E+02	-1.50E-04	-4.44E-04	1.86E-04
4.07E+02	-1.77E-04	-4.27E-04	1.67E-04
4.07E+02	-1.79E-04	-3.68E-04	2.16E-04
4.07E+02	-1.57E-04	-3.03E-04	2.47E-04
4.07E+02	-1.16E-04	-2.29E-04	2.32E-04
4.07E+02	-1.21E-04	-1.58E-04	2.63E-04
4.07E+02	-1.13E-04	-7.27E-05	3.08E-04
4.07E+02	-8.74E-05	2.56E-05	3.28E-04
4.07E+02	-1.09E-04	8.47E-05	2.73E-04

4.07E+02	-1.25E-04	1.14E-04	1.66E-04
4.07E+02	-1.13E-04	1.54E-04	1.54E-04
4.07E+02	-9.08E-05	1.89E-04	1.71E-04
4.07E+02	-7.15E-05	2.12E-04	1.52E-04
4.07E+02	-1.15E-04	2.08E-04	1.27E-04
4.07E+02	-1.47E-04	1.72E-04	6.96E-05
4.07E+02	-1.40E-04	1.40E-04	3.95E-05
4.07E+02	-1.79E-04	8.07E-05	2.67E-06
4.07E+02	-2.18E-04	-3.62E-06	-5.82E-05
4.07E+02	-2.44E-04	-6.68E-05	-3.32E-05
4.07E+02	-2.46E-04	-1.38E-04	-1.62E-05
4.07E+02	-2.25E-04	-2.16E-04	-5.02E-05
4.07E+02	-2.45E-04	-2.86E-04	-3.91E-05
4.07E+02	-2.39E-04	-3.38E-04	-3.05E-06
4.07E+02	-1.86E-04	-3.40E-04	6.68E-05
4.07E+02	-1.65E-04	-3.41E-04	1.04E-04
4.07E+02	-1.53E-04	-3.51E-04	8.28E-05
4.07E+02	-1.23E-04	-3.14E-04	1.19E-04
4.07E+02	-9.52E-05	-2.65E-04	1.56E-04
4.07E+02	-8.45E-05	-2.12E-04	1.79E-04
4.07E+02	-1.31E-04	-1.53E-04	2.12E-04
4.07E+02	-1.92E-04	-1.09E-04	1.94E-04
4.07E+02	-2.17E-04	-3.76E-05	1.83E-04
4.07E+02	-2.70E-04	2.59E-05	1.59E-04
4.07E+02	-3.21E-04	4.39E-05	1.02E-04
4.07E+02	-3.40E-04	6.47E-05	1.10E-04
4.07E+02	-3.32E-04	8.37E-05	1.24E-04
4.07E+02	-2.92E-04	8.14E-05	8.09E-05
4.07E+02	-2.90E-04	7.38E-05	5.00E-05
4.07E+02	-2.81E-04	7.63E-05	6.03E-05
4.07E+02	-2.30E-04	9.54E-05	1.20E-04
4.07E+02	-2.14E-04	9.56E-05	1.50E-04
4.07E+02	-2.08E-04	4.63E-05	9.57E-05
4.07E+02	-1.82E-04	-2.10E-06	8.28E-05
4.07E+02	-1.41E-04	-2.94E-05	1.28E-04
4.07E+02	-1.11E-04	-7.15E-05	1.38E-04
4.07E+02	-1.33E-04	-1.21E-04	1.33E-04
4.07E+02	-1.49E-04	-1.62E-04	1.43E-04
4.07E+02	-1.18E-04	-1.74E-04	1.74E-04
4.07E+02	-1.12E-04	-1.88E-04	2.07E-04
4.07E+02	-1.33E-04	-2.32E-04	1.96E-04
4.07E+02	-1.30E-04	-2.49E-04	2.22E-04
4.07E+02	-1.17E-04	-2.60E-04	2.74E-04
4.07E+02	-9.77E-05	-2.88E-04	2.56E-04
4.07E+02	-1.04E-04	-3.19E-04	2.37E-04
4.07E+02	-1.21E-04	-3.52E-04	2.31E-04
4.07E+02	-9.17E-05	-3.52E-04	2.13E-04

4.07E+02	-7.50E-05	-3.63E-04	1.42E-04
4.07E+02	-6.03E-05	-4.11E-04	-9.54E-06
4.07E+02	-1.64E-05	-4.33E-04	-9.99E-05
4.07E+02	3.76E-05	-4.19E-04	-1.38E-04
4.07E+02	9.94E-05	-4.03E-04	-2.05E-04
4.07E+02	1.18E-04	-3.81E-04	-2.30E-04
4.08E+02	1.21E-04	-3.63E-04	-2.26E-04
4.08E+02	1.62E-04	-3.30E-04	-1.92E-04
4.08E+02	1.84E-04	-2.87E-04	-1.38E-04
4.08E+02	1.73E-04	-2.70E-04	-1.30E-04
4.08E+02	1.63E-04	-2.12E-04	-6.20E-05
4.08E+02	1.60E-04	-1.27E-04	5.47E-05
4.08E+02	1.71E-04	-5.19E-05	1.18E-04
4.08E+02	1.45E-04	2.54E-05	2.04E-04
4.08E+02	7.78E-05	7.19E-05	2.83E-04
4.08E+02	3.20E-05	1.18E-04	3.15E-04
4.08E+02	-4.23E-05	1.46E-04	2.97E-04
4.08E+02	-1.48E-04	1.20E-04	1.92E-04
4.08E+02	-2.20E-04	9.19E-05	1.49E-04
4.08E+02	-2.51E-04	5.59E-05	1.98E-04
4.08E+02	-2.54E-04	1.41E-05	2.29E-04
4.08E+02	-2.77E-04	-3.85E-05	2.53E-04
4.08E+02	-2.96E-04	-1.24E-04	2.24E-04
4.08E+02	-2.36E-04	-1.86E-04	1.79E-04
4.08E+02	-1.69E-04	-2.42E-04	1.36E-04
4.08E+02	-1.39E-04	-3.16E-04	1.14E-06
4.08E+02	-9.29E-05	-3.50E-04	-1.09E-04
4.08E+02	-4.12E-05	-3.58E-04	-1.64E-04
4.08E+02	1.35E-05	-3.57E-04	-2.44E-04
4.08E+02	2.35E-05	-3.52E-04	-2.84E-04
4.08E+02	-1.74E-05	-3.49E-04	-2.62E-04
4.08E+02	-2.98E-05	-3.05E-04	-1.75E-04
4.08E+02	-7.15E-05	-2.45E-04	-5.84E-05
4.08E+02	-1.56E-04	-2.24E-04	2.10E-06
4.08E+02	-2.26E-04	-2.03E-04	7.04E-05
4.08E+02	-2.88E-04	-1.72E-04	1.74E-04
4.08E+02	-3.35E-04	-1.42E-04	2.54E-04
4.08E+02	-4.02E-04	-1.04E-04	3.25E-04
4.08E+02	-4.96E-04	-8.13E-05	3.48E-04
4.08E+02	-5.22E-04	-3.89E-05	3.62E-04
4.08E+02	-5.16E-04	1.32E-05	3.90E-04
4.08E+02	-5.41E-04	3.81E-06	3.27E-04
4.08E+02	-5.23E-04	-1.58E-05	2.73E-04
4.08E+02	-4.72E-04	-2.33E-05	2.69E-04
4.08E+02	-4.00E-04	-4.77E-05	2.05E-04
4.08E+02	-3.29E-04	-7.40E-05	1.37E-04
4.08E+02	-2.97E-04	-9.50E-05	9.48E-05

4.08E+02	-2.27E-04	-9.25E-05	5.61E-05
4.08E+02	-1.75E-04	-7.06E-05	1.60E-05
4.08E+02	-1.76E-04	-8.83E-05	-1.08E-04
4.08E+02	-1.55E-04	-1.26E-04	-2.24E-04
4.08E+02	-1.45E-04	-1.31E-04	-2.55E-04
4.08E+02	-1.35E-04	-1.25E-04	-2.88E-04
4.08E+02	-1.39E-04	-1.16E-04	-2.82E-04
4.08E+02	-1.78E-04	-1.07E-04	-2.42E-04
4.08E+02	-1.73E-04	-9.63E-05	-1.99E-04
4.08E+02	-1.54E-04	-7.61E-05	-1.24E-04
4.08E+02	-1.60E-04	-7.67E-05	-9.12E-05
4.08E+02	-1.51E-04	-5.78E-05	-4.79E-05
4.08E+02	-1.23E-04	-1.51E-05	4.84E-05
4.08E+02	-8.05E-05	3.24E-06	1.01E-04
4.08E+02	-5.59E-05	2.44E-05	1.55E-04
4.08E+02	-8.89E-05	3.32E-05	2.01E-04
4.08E+02	-1.14E-04	4.31E-05	2.19E-04
4.08E+02	-1.33E-04	8.34E-05	2.29E-04
4.08E+02	-1.89E-04	9.38E-05	1.41E-04
4.08E+02	-2.25E-04	1.03E-04	4.69E-05
4.08E+02	-2.31E-04	1.33E-04	2.57E-05
4.08E+02	-2.28E-04	1.57E-04	-1.05E-05
4.08E+02	-2.46E-04	1.83E-04	-2.40E-05
4.08E+02	-2.92E-04	1.84E-04	-2.56E-05
4.08E+02	-3.01E-04	1.96E-04	-4.10E-05
4.08E+02	-2.96E-04	2.21E-04	-2.61E-05
4.08E+02	-3.22E-04	2.13E-04	-3.55E-05
4.08E+02	-3.37E-04	2.19E-04	-4.06E-05
4.08E+02	-3.29E-04	2.38E-04	-4.58E-06
4.08E+02	-2.99E-04	2.33E-04	-3.41E-05
4.08E+02	-2.72E-04	2.18E-04	-9.10E-05
4.08E+02	-2.83E-04	1.72E-04	-1.21E-04
4.08E+02	-2.60E-04	1.11E-04	-1.32E-04
4.08E+02	-2.33E-04	5.23E-05	-1.14E-04
4.08E+02	-2.70E-04	-5.34E-05	-1.55E-04
4.08E+02	-2.93E-04	-1.74E-04	-2.00E-04
4.08E+02	-2.97E-04	-2.72E-04	-1.73E-04
4.08E+02	-2.90E-04	-3.53E-04	-1.38E-04
4.08E+02	-2.93E-04	-4.03E-04	-1.09E-04
4.08E+02	-3.36E-04	-4.52E-04	-1.10E-04
4.08E+02	-3.30E-04	-4.78E-04	-1.20E-04
4.08E+02	-2.98E-04	-4.61E-04	-1.01E-04
4.08E+02	-3.05E-04	-4.55E-04	-9.48E-05
4.08E+02	-2.87E-04	-4.42E-04	-7.59E-05
4.08E+02	-2.45E-04	-3.99E-04	4.96E-06
4.08E+02	-2.05E-04	-3.61E-04	4.31E-05
4.08E+02	-1.88E-04	-3.36E-04	6.68E-06

4.08E+02	-2.18E-04	-3.18E-04	-1.87E-05
4.08E+02	-2.41E-04	-2.82E-04	-2.94E-05
4.08E+02	-2.66E-04	-2.18E-04	-2.31E-05
4.08E+02	-3.24E-04	-1.85E-04	-5.26E-05
4.08E+02	-3.76E-04	-1.82E-04	-1.05E-04
4.08E+02	-3.97E-04	-1.44E-04	-5.11E-05
4.08E+02	-3.69E-04	-1.04E-04	1.72E-05
4.08E+02	-3.49E-04	-9.16E-05	1.72E-05
4.08E+02	-3.52E-04	-9.92E-05	-3.05E-06
4.08E+02	-3.08E-04	-1.17E-04	-5.00E-05
4.08E+02	-2.46E-04	-1.13E-04	-7.61E-05
4.08E+02	-2.25E-04	-1.35E-04	-1.18E-04
4.08E+02	-2.13E-04	-1.79E-04	-1.73E-04
4.08E+02	-1.92E-04	-2.13E-04	-1.42E-04
4.08E+02	-1.64E-04	-2.66E-04	-1.17E-04
4.08E+02	-1.51E-04	-3.20E-04	-1.03E-04
4.08E+02	-1.88E-04	-3.64E-04	-4.65E-05
4.08E+02	-2.15E-04	-3.75E-04	-8.58E-06
4.08E+02	-2.28E-04	-3.60E-04	1.91E-05
4.08E+02	-2.75E-04	-3.69E-04	-1.91E-07
4.08E+02	-3.06E-04	-3.81E-04	-4.35E-05
4.08E+02	-2.99E-04	-3.75E-04	-4.20E-06
4.08E+02	-2.63E-04	-3.69E-04	2.84E-05
4.08E+02	-2.26E-04	-3.77E-04	4.58E-06
4.08E+02	-2.29E-04	-4.24E-04	-2.69E-05
4.08E+02	-2.06E-04	-4.75E-04	-8.39E-05
4.08E+02	-1.40E-04	-4.81E-04	-9.73E-05
4.08E+02	-1.24E-04	-5.04E-04	-9.80E-05
4.08E+02	-1.33E-04	-5.20E-04	-1.32E-04
4.08E+02	-1.34E-04	-4.73E-04	-9.25E-05
4.08E+02	-1.29E-04	-4.27E-04	-5.91E-05
4.08E+02	-1.25E-04	-3.65E-04	-7.02E-05
4.08E+02	-1.67E-04	-2.88E-04	-5.25E-05
4.08E+02	-1.81E-04	-2.06E-04	-3.40E-05
4.08E+02	-1.54E-04	-8.70E-05	-7.25E-06
4.08E+02	-1.66E-04	-2.10E-05	-3.72E-05
4.08E+02	-1.77E-04	-2.33E-05	-1.07E-04
4.08E+02	-1.67E-04	-4.04E-05	-1.00E-04
4.08E+02	-1.42E-04	-8.32E-05	-1.09E-04
4.08E+02	-1.24E-04	-1.34E-04	-1.57E-04
4.08E+02	-1.61E-04	-1.83E-04	-1.71E-04
4.08E+02	-1.89E-04	-2.19E-04	-1.91E-04
4.08E+02	-1.71E-04	-2.16E-04	-2.06E-04
4.08E+02	-1.98E-04	-2.14E-04	-2.18E-04
4.08E+02	-2.41E-04	-2.29E-04	-2.22E-04
4.08E+02	-2.58E-04	-2.37E-04	-1.48E-04
4.08E+02	-2.61E-04	-2.53E-04	-9.82E-05

4.08E+02	-2.33E-04	-2.77E-04	-1.32E-04
4.08E+02	-2.44E-04	-3.17E-04	-1.57E-04
4.08E+02	-2.38E-04	-3.54E-04	-1.66E-04
4.08E+02	-1.66E-04	-3.52E-04	-1.40E-04
4.08E+02	-1.31E-04	-3.76E-04	-1.50E-04
4.08E+02	-1.07E-04	-4.27E-04	-2.35E-04
4.08E+02	-6.07E-05	-4.34E-04	-2.18E-04
4.08E+02	1.91E-06	-4.18E-04	-1.36E-04
4.08E+02	7.25E-05	-3.87E-04	-8.77E-05
4.08E+02	9.10E-05	-3.47E-04	-3.01E-05
4.08E+02	1.09E-04	-2.95E-04	-2.10E-06
4.08E+02	1.62E-04	-2.11E-04	-4.01E-06
4.08E+02	1.71E-04	-1.60E-04	-3.19E-05
4.08E+02	1.55E-04	-1.40E-04	-1.01E-04
4.08E+02	1.50E-04	-1.36E-04	-1.20E-04
4.08E+02	1.43E-04	-1.63E-04	-1.01E-04
4.08E+02	1.29E-04	-1.95E-04	-1.30E-04
4.08E+02	5.91E-05	-2.33E-04	-1.46E-04
4.08E+02	-8.77E-06	-2.30E-04	-1.15E-04
4.08E+02	-4.54E-05	-1.84E-04	-8.98E-05
4.08E+02	-1.24E-04	-1.54E-04	-9.69E-05
4.08E+02	-1.89E-04	-1.38E-04	-1.19E-04
4.08E+02	-2.13E-04	-1.26E-04	-8.87E-05
4.08E+02	-2.25E-04	-1.26E-04	-4.62E-05
4.08E+02	-2.14E-04	-1.50E-04	-5.36E-05
4.08E+02	-2.20E-04	-1.96E-04	-7.92E-05
4.08E+02	-2.08E-04	-2.50E-04	-1.21E-04
4.08E+02	-1.38E-04	-2.71E-04	-1.22E-04
4.08E+02	-8.64E-05	-2.69E-04	-8.85E-05
4.08E+02	-4.69E-05	-2.78E-04	-7.27E-05
4.08E+02	-6.29E-06	-2.70E-04	-6.68E-06
4.08E+02	2.86E-05	-2.71E-04	5.80E-05
4.08E+02	6.71E-05	-3.05E-04	5.15E-05
4.08E+02	4.88E-05	-3.42E-04	5.53E-05
4.08E+02	1.14E-05	-3.65E-04	6.05E-05
4.08E+02	2.29E-05	-3.52E-04	6.01E-05
4.08E+02	1.35E-05	-3.28E-04	3.15E-05
4.08E+02	-1.54E-05	-3.26E-04	-6.31E-05
4.08E+02	-1.64E-05	-3.20E-04	-8.75E-05
4.08E+02	-9.54E-07	-3.13E-04	-4.50E-05
4.08E+02	2.14E-05	-3.10E-04	-3.66E-05
4.08E+02	2.67E-06	-3.11E-04	-3.78E-05
4.08E+02	-1.98E-05	-3.11E-04	-6.22E-05
4.08E+02	1.91E-05	-2.77E-04	-8.74E-05
4.08E+02	4.12E-05	-2.30E-04	-1.03E-04
4.08E+02	4.37E-05	-2.07E-04	-1.55E-04
4.08E+02	6.75E-05	-1.81E-04	-1.48E-04

4.08E+02	8.93E-05	-1.58E-04	-9.80E-05
4.08E+02	1.15E-04	-1.56E-04	-1.15E-04
4.08E+02	9.35E-05	-1.65E-04	-1.15E-04
4.08E+02	2.67E-05	-1.73E-04	-7.82E-05
4.08E+02	-1.91E-05	-1.36E-04	-2.02E-05
4.08E+02	-1.03E-04	-9.19E-05	1.66E-05
4.08E+02	-2.28E-04	-8.51E-05	-3.34E-05
4.08E+02	-3.15E-04	-5.66E-05	-3.70E-05
4.08E+02	-3.65E-04	-3.24E-05	2.25E-05
4.08E+02	-3.71E-04	-2.88E-05	6.41E-05
4.08E+02	-3.71E-04	-5.09E-05	7.13E-05
4.08E+02	-3.59E-04	-1.25E-04	1.98E-05
4.08E+02	-2.58E-04	-1.96E-04	-1.30E-05
4.08E+02	-1.62E-04	-2.88E-04	-3.72E-05
4.08E+02	-1.01E-04	-3.93E-04	-1.04E-04
4.08E+02	-8.01E-06	-4.38E-04	-1.20E-04
4.08E+02	6.60E-05	-4.49E-04	-8.60E-05
4.08E+02	1.16E-04	-4.34E-04	-6.79E-05
4.09E+02	1.16E-04	-4.00E-04	-3.03E-05
4.09E+02	7.82E-05	-3.59E-04	4.75E-05
4.09E+02	8.32E-05	-2.76E-04	1.54E-04
4.09E+02	6.89E-05	-1.99E-04	2.24E-04
4.09E+02	1.85E-05	-1.74E-04	1.76E-04
4.09E+02	-6.29E-06	-1.48E-04	1.32E-04
4.09E+02	-7.63E-06	-1.11E-04	1.39E-04
4.09E+02	1.05E-05	-1.03E-04	1.07E-04
4.09E+02	-1.24E-05	-1.18E-04	8.74E-05
4.09E+02	-6.43E-05	-1.49E-04	7.04E-05
4.09E+02	-5.57E-05	-1.56E-04	5.15E-05
4.09E+02	-4.63E-05	-1.41E-04	7.10E-05
4.09E+02	-6.29E-05	-1.60E-04	4.84E-05
4.09E+02	-5.51E-05	-1.75E-04	4.90E-05
4.09E+02	-3.76E-05	-1.79E-04	9.59E-05
4.09E+02	-1.07E-05	-2.00E-04	7.50E-05
4.09E+02	-3.05E-06	-2.16E-04	7.67E-05
4.09E+02	-3.62E-05	-2.32E-04	1.20E-04
4.09E+02	-4.33E-05	-2.24E-04	1.47E-04
4.09E+02	-4.31E-05	-2.08E-04	1.89E-04
4.09E+02	-7.11E-05	-2.21E-04	1.70E-04
4.09E+02	-7.80E-05	-2.12E-04	1.46E-04
4.09E+02	-5.13E-05	-1.65E-04	1.84E-04
4.09E+02	3.81E-07	-1.07E-04	1.97E-04
4.09E+02	2.19E-05	-4.43E-05	2.04E-04
4.09E+02	1.53E-05	-2.67E-06	1.81E-04
4.09E+02	6.22E-05	4.20E-05	1.31E-04
4.09E+02	1.09E-04	9.31E-05	1.12E-04
4.09E+02	1.10E-04	8.91E-05	6.56E-05

4.09E+02	1.08E-04	7.51E-05	3.85E-05
4.09E+02	1.17E-04	8.09E-05	5.76E-05
4.09E+02	1.48E-04	6.90E-05	2.96E-05
4.09E+02	1.64E-04	6.16E-05	1.05E-05
4.09E+02	1.53E-04	5.07E-05	5.91E-05
4.09E+02	1.80E-04	5.46E-05	1.50E-04
4.09E+02	2.05E-04	5.82E-05	2.30E-04
4.09E+02	1.79E-04	-4.96E-06	2.00E-04
4.09E+02	1.59E-04	-8.26E-05	1.26E-04
4.09E+02	1.64E-04	-1.50E-04	9.33E-05
4.09E+02	1.81E-04	-2.16E-04	6.01E-05
4.09E+02	1.67E-04	-2.67E-04	3.40E-05
4.09E+02	1.22E-04	-3.21E-04	-9.16E-06
4.09E+02	1.36E-04	-3.43E-04	-4.73E-05
4.09E+02	1.67E-04	-3.34E-04	-2.99E-05
4.09E+02	1.54E-04	-3.52E-04	-5.42E-05
4.09E+02	1.45E-04	-3.67E-04	-7.92E-05
4.09E+02	1.26E-04	-3.55E-04	-2.54E-05
4.09E+02	1.17E-04	-3.51E-04	-8.77E-06
4.09E+02	9.57E-05	-3.50E-04	1.34E-06
4.09E+02	3.97E-05	-3.40E-04	7.71E-05
4.09E+02	3.05E-05	-2.98E-04	1.84E-04
4.09E+02	4.23E-05	-2.26E-04	3.09E-04
4.09E+02	2.92E-05	-1.82E-04	3.55E-04
4.09E+02	3.57E-05	-1.48E-04	3.40E-04
4.09E+02	7.04E-05	-8.81E-05	3.29E-04
4.09E+02	1.26E-04	-2.40E-05	2.60E-04
4.09E+02	1.66E-04	3.28E-05	1.71E-04
4.09E+02	1.71E-04	6.16E-05	1.06E-04
4.09E+02	2.05E-04	8.18E-05	8.13E-05
4.09E+02	2.38E-04	1.19E-04	1.11E-04
4.09E+02	2.12E-04	1.19E-04	1.17E-04
4.09E+02	1.77E-04	1.17E-04	1.33E-04
4.09E+02	1.46E-04	1.34E-04	2.07E-04
4.09E+02	1.41E-04	1.31E-04	2.26E-04
4.09E+02	1.26E-04	1.34E-04	1.95E-04
4.09E+02	6.56E-05	1.30E-04	1.73E-04
4.09E+02	5.26E-05	1.46E-04	1.48E-04
4.09E+02	5.65E-05	1.81E-04	1.23E-04
4.09E+02	3.55E-05	1.76E-04	4.90E-05
4.09E+02	5.05E-05	1.54E-04	-3.76E-05
4.09E+02	7.97E-05	1.28E-04	-4.92E-05
4.09E+02	1.20E-04	9.08E-05	-5.21E-05
4.09E+02	1.54E-04	5.25E-05	-6.52E-05
4.09E+02	1.39E-04	8.77E-06	-6.98E-05
4.09E+02	1.52E-04	-2.77E-05	-7.59E-05
4.09E+02	1.81E-04	-3.80E-05	-4.41E-05

4.09E+02	1.50E-04	-5.68E-05	-2.61E-05
4.09E+02	1.16E-04	-7.76E-05	-3.24E-05
4.09E+02	1.01E-04	-6.28E-05	2.52E-05
4.09E+02	1.15E-04	-4.58E-05	8.01E-05
4.09E+02	1.46E-04	-3.87E-05	1.08E-04
4.09E+02	1.34E-04	-3.43E-05	1.55E-04
4.09E+02	1.37E-04	-1.72E-06	1.79E-04
4.09E+02	1.60E-04	7.10E-05	1.97E-04
4.09E+02	1.59E-04	1.34E-04	1.61E-04
4.09E+02	1.53E-04	1.79E-04	5.32E-05
4.09E+02	1.59E-04	2.35E-04	2.50E-05
4.09E+02	2.02E-04	3.07E-04	7.02E-05
4.09E+02	2.40E-04	3.65E-04	1.22E-04
4.09E+02	2.24E-04	3.84E-04	1.82E-04
4.09E+02	2.32E-04	3.83E-04	2.16E-04
4.09E+02	2.60E-04	3.62E-04	2.33E-04
4.09E+02	2.42E-04	3.01E-04	2.11E-04
4.09E+02	2.27E-04	2.32E-04	1.64E-04
4.09E+02	2.25E-04	1.85E-04	1.67E-04
4.09E+02	2.39E-04	1.51E-04	1.51E-04
4.09E+02	2.67E-04	1.36E-04	7.11E-05
4.09E+02	2.54E-04	1.22E-04	1.53E-05
4.09E+02	2.69E-04	1.26E-04	-2.67E-06
4.09E+02	3.20E-04	1.73E-04	7.63E-06
4.09E+02	3.37E-04	1.84E-04	3.24E-06
4.09E+02	3.41E-04	1.56E-04	-4.06E-05
4.09E+02	3.51E-04	1.29E-04	-1.72E-05
4.09E+02	3.84E-04	9.98E-05	4.96E-05
4.09E+02	4.09E-04	7.50E-05	7.17E-05
4.09E+02	3.84E-04	3.38E-05	7.10E-05
4.09E+02	3.77E-04	3.24E-06	5.95E-05
4.09E+02	4.01E-04	1.28E-05	8.58E-05
4.09E+02	3.76E-04	1.58E-05	1.09E-04
4.09E+02	3.33E-04	1.22E-05	6.12E-05
4.09E+02	3.16E-04	3.01E-05	3.68E-05
4.09E+02	2.97E-04	6.05E-05	1.41E-05
4.09E+02	2.71E-04	9.56E-05	-3.57E-05
4.09E+02	2.18E-04	1.31E-04	-2.17E-05
4.09E+02	1.75E-04	1.83E-04	4.39E-05
4.09E+02	1.80E-04	2.69E-04	1.50E-04
4.09E+02	1.39E-04	3.17E-04	1.99E-04
4.09E+02	9.08E-05	3.19E-04	1.70E-04
4.09E+02	7.29E-05	3.56E-04	2.06E-04
4.09E+02	4.16E-05	3.92E-04	2.19E-04
4.09E+02	2.33E-05	4.10E-04	1.63E-04
4.09E+02	-2.94E-05	4.20E-04	9.57E-05
4.09E+02	-7.34E-05	4.02E-04	7.06E-06

4.09E+02	-3.93E-05	4.18E-04	-1.54E-05
4.09E+02	-2.94E-05	4.09E-04	-2.59E-05
4.09E+02	-2.84E-05	3.56E-04	-8.43E-05
4.09E+02	9.16E-06	3.28E-04	-8.96E-05
4.09E+02	6.52E-05	2.72E-04	-9.38E-05
4.09E+02	1.38E-04	2.11E-04	-1.29E-04
4.09E+02	1.52E-04	1.54E-04	-1.22E-04
4.09E+02	1.62E-04	1.12E-04	-7.69E-05
4.09E+02	2.19E-04	1.25E-04	-1.32E-05
4.09E+02	2.34E-04	1.21E-04	3.11E-05
4.09E+02	2.39E-04	9.44E-05	3.59E-05
4.09E+02	2.51E-04	7.57E-05	6.89E-05
4.09E+02	2.70E-04	7.76E-05	1.21E-04
4.09E+02	3.09E-04	9.52E-05	1.14E-04
4.09E+02	3.01E-04	8.35E-05	6.56E-05
4.09E+02	2.97E-04	5.36E-05	2.35E-05
4.09E+02	3.55E-04	4.67E-05	3.40E-05
4.09E+02	3.82E-04	2.08E-05	7.17E-05
4.09E+02	3.76E-04	-4.54E-05	7.95E-05
4.09E+02	3.70E-04	-7.63E-05	1.35E-04
4.09E+02	3.63E-04	-7.59E-05	2.00E-04
4.09E+02	3.64E-04	-7.48E-05	1.80E-04
4.09E+02	3.08E-04	-6.28E-05	1.31E-04
4.09E+02	2.31E-04	-4.94E-05	7.63E-05
4.09E+02	1.86E-04	-1.14E-06	3.95E-05
4.09E+02	9.82E-05	5.11E-05	-5.72E-07
4.09E+02	-5.72E-06	5.72E-05	-8.43E-05
4.09E+02	-6.60E-05	5.74E-05	-1.15E-04
4.09E+02	-8.58E-05	4.62E-05	-9.88E-05
4.09E+02	-6.62E-05	3.72E-05	-8.89E-05
4.09E+02	-6.01E-05	4.73E-05	-6.12E-05
4.09E+02	-4.04E-05	6.83E-05	-4.75E-05
4.09E+02	4.33E-05	1.32E-04	-3.53E-05
4.09E+02	1.01E-04	2.08E-04	-2.52E-05
4.09E+02	1.38E-04	2.56E-04	-6.07E-05
4.09E+02	1.71E-04	2.87E-04	-5.49E-05
4.09E+02	2.02E-04	3.23E-04	8.77E-06
4.09E+02	2.57E-04	3.38E-04	2.17E-05
4.09E+02	2.49E-04	2.98E-04	1.01E-05
4.09E+02	2.29E-04	2.44E-04	7.63E-06
4.09E+02	2.67E-04	2.03E-04	2.40E-05
4.09E+02	2.75E-04	1.48E-04	4.94E-05
4.09E+02	2.73E-04	6.29E-05	1.34E-05
4.09E+02	3.00E-04	-1.05E-05	3.15E-05
4.09E+02	3.35E-04	-5.61E-05	1.26E-04
4.09E+02	3.89E-04	-1.03E-04	1.76E-04
4.09E+02	4.18E-04	-1.40E-04	2.28E-04

4.09E+02	4.11E-04	-1.79E-04	2.65E-04
4.09E+02	4.52E-04	-1.86E-04	2.79E-04
4.09E+02	4.64E-04	-1.71E-04	2.77E-04
4.09E+02	4.16E-04	-1.70E-04	1.96E-04
4.09E+02	4.02E-04	-1.22E-04	1.43E-04
4.09E+02	3.94E-04	-5.95E-05	1.26E-04
4.09E+02	4.11E-04	-2.67E-05	6.47E-05
4.09E+02	4.11E-04	9.73E-06	4.10E-05
4.09E+02	3.86E-04	4.04E-05	2.23E-05
4.09E+02	4.25E-04	8.66E-05	7.06E-06
4.09E+02	4.51E-04	1.29E-04	-3.81E-06
4.09E+02	4.59E-04	1.27E-04	-7.42E-05
4.09E+02	4.95E-04	1.24E-04	-8.26E-05
4.09E+02	5.23E-04	1.39E-04	-2.06E-05
4.09E+02	5.47E-04	1.61E-04	9.16E-06
4.09E+02	5.15E-04	1.69E-04	5.72E-07
4.09E+02	4.34E-04	1.53E-04	-6.48E-05
4.09E+02	3.88E-04	1.46E-04	-1.21E-04
4.09E+02	3.30E-04	1.38E-04	-1.39E-04
4.09E+02	2.34E-04	1.04E-04	-1.82E-04
4.09E+02	1.65E-04	1.05E-04	-1.63E-04
4.09E+02	1.27E-04	1.52E-04	-6.69E-05
4.09E+02	1.31E-04	1.87E-04	-1.91E-05
4.09E+02	1.44E-04	2.08E-04	1.39E-05
4.09E+02	1.48E-04	2.27E-04	6.22E-05
4.09E+02	2.20E-04	2.62E-04	1.10E-04
4.09E+02	3.03E-04	3.06E-04	1.33E-04
4.09E+02	3.47E-04	3.08E-04	5.51E-05
4.09E+02	4.19E-04	2.92E-04	-3.41E-05
4.09E+02	5.00E-04	2.96E-04	-4.88E-05
4.10E+02	5.61E-04	2.96E-04	-6.16E-05
4.10E+02	5.74E-04	2.80E-04	-6.48E-05
4.10E+02	5.37E-04	2.53E-04	-6.43E-05
4.10E+02	5.27E-04	2.49E-04	-6.90E-05
4.10E+02	5.07E-04	2.55E-04	-4.88E-05
4.10E+02	4.37E-04	2.16E-04	-9.46E-05
4.10E+02	3.75E-04	1.79E-04	-1.42E-04
4.10E+02	3.16E-04	1.71E-04	-9.88E-05
4.10E+02	2.77E-04	1.53E-04	-9.65E-05
4.10E+02	2.34E-04	1.41E-04	-1.03E-04
4.10E+02	1.68E-04	1.37E-04	-7.19E-05
4.10E+02	1.67E-04	1.53E-04	-3.72E-05
4.10E+02	1.81E-04	1.92E-04	1.91E-05
4.10E+02	1.60E-04	1.80E-04	1.72E-06
4.10E+02	1.70E-04	1.51E-04	-4.22E-05
4.10E+02	1.92E-04	1.55E-04	-2.21E-05
4.10E+02	2.12E-04	1.59E-04	-3.01E-05

4.10E+02	2.08E-04	1.83E-04	-5.46E-05
4.10E+02	1.58E-04	2.01E-04	-7.95E-05
4.10E+02	1.40E-04	2.24E-04	-1.21E-04
4.10E+02	1.48E-04	2.94E-04	-1.54E-04
4.10E+02	1.13E-04	3.27E-04	-2.33E-04
4.10E+02	1.04E-04	3.51E-04	-2.85E-04
4.10E+02	1.41E-04	3.90E-04	-2.40E-04
4.10E+02	1.85E-04	3.81E-04	-2.13E-04
4.10E+02	2.25E-04	3.59E-04	-1.93E-04
4.10E+02	2.10E-04	3.14E-04	-1.50E-04
4.10E+02	2.23E-04	2.76E-04	-9.67E-05
4.10E+02	2.71E-04	2.77E-04	-3.41E-05
4.10E+02	2.56E-04	2.29E-04	-6.45E-05
4.10E+02	2.60E-04	1.85E-04	-1.03E-04
4.10E+02	2.86E-04	1.86E-04	-5.72E-05
4.10E+02	3.03E-04	1.85E-04	-2.23E-05
4.10E+02	3.00E-04	1.91E-04	2.67E-06
4.10E+02	2.54E-04	1.84E-04	1.66E-05
4.10E+02	2.53E-04	1.81E-04	2.17E-05
4.10E+02	2.73E-04	2.08E-04	5.36E-05
4.10E+02	2.51E-04	2.06E-04	4.41E-05
4.10E+02	2.52E-04	1.97E-04	1.09E-05
4.10E+02	2.79E-04	2.10E-04	2.04E-05
4.10E+02	3.24E-04	1.93E-04	-1.98E-05
4.10E+02	3.69E-04	1.62E-04	-9.37E-05
4.10E+02	3.54E-04	1.25E-04	-1.14E-04
4.10E+02	3.47E-04	1.18E-04	-1.22E-04
4.10E+02	3.60E-04	1.58E-04	-1.15E-04
4.10E+02	3.05E-04	1.65E-04	-1.52E-04
4.10E+02	2.30E-04	1.76E-04	-2.17E-04
4.10E+02	1.76E-04	2.22E-04	-1.77E-04
4.10E+02	1.15E-04	2.59E-04	-1.13E-04
4.10E+02	2.56E-05	2.94E-04	-6.20E-05
4.10E+02	-1.09E-04	2.87E-04	-1.07E-05
4.10E+02	-2.18E-04	2.57E-04	-3.43E-06
4.10E+02	-2.82E-04	2.44E-04	1.01E-05
4.10E+02	-3.55E-04	2.13E-04	-1.93E-05
4.10E+02	-4.00E-04	1.92E-04	-8.98E-05
4.10E+02	-3.97E-04	2.16E-04	-9.71E-05
4.10E+02	-3.56E-04	2.46E-04	-1.29E-04
4.10E+02	-2.93E-04	2.65E-04	-2.18E-04
4.10E+02	-2.58E-04	2.70E-04	-2.61E-04
4.10E+02	-1.86E-04	2.72E-04	-2.61E-04
4.10E+02	-8.70E-05	2.78E-04	-2.44E-04
4.10E+02	-4.73E-05	2.38E-04	-2.75E-04
4.10E+02	-9.54E-07	1.71E-04	-3.50E-04
4.10E+02	6.26E-05	1.27E-04	-3.55E-04

4.10E+02	1.24E-04	8.43E-05	-3.16E-04
4.10E+02	1.59E-04	5.93E-05	-2.86E-04
4.10E+02	1.25E-04	4.75E-05	-2.54E-04
4.10E+02	1.07E-04	5.55E-05	-2.36E-04
4.10E+02	1.17E-04	1.12E-04	-2.01E-04
4.10E+02	1.06E-04	1.42E-04	-2.00E-04
4.10E+02	9.63E-05	1.58E-04	-2.40E-04
4.10E+02	1.04E-04	1.92E-04	-1.90E-04
4.10E+02	1.38E-04	1.84E-04	-1.26E-04
4.10E+02	1.59E-04	1.56E-04	-1.12E-04
4.10E+02	1.34E-04	1.21E-04	-6.24E-05
4.10E+02	1.30E-04	9.71E-05	-2.33E-05
4.10E+02	1.42E-04	1.36E-04	5.91E-06
4.10E+02	1.12E-04	1.71E-04	-9.92E-06
4.10E+02	7.72E-05	1.87E-04	-8.75E-05
4.10E+02	5.46E-05	2.45E-04	-9.77E-05
4.10E+02	3.24E-05	3.11E-04	-9.59E-05
4.10E+02	-1.53E-06	3.64E-04	-1.38E-04
4.10E+02	-6.62E-05	4.01E-04	-1.71E-04
4.10E+02	-1.11E-04	4.14E-04	-1.93E-04
4.10E+02	-1.25E-04	4.33E-04	-1.88E-04
4.10E+02	-1.60E-04	4.24E-04	-2.11E-04
4.10E+02	-1.96E-04	3.97E-04	-2.48E-04
4.10E+02	-2.30E-04	3.82E-04	-2.02E-04
4.10E+02	-2.44E-04	3.47E-04	-1.49E-04
4.10E+02	-2.30E-04	3.05E-04	-1.11E-04
4.10E+02	-2.60E-04	2.33E-04	-4.20E-05
4.10E+02	-2.85E-04	1.58E-04	2.75E-05
4.10E+02	-2.54E-04	1.35E-04	9.52E-05
4.10E+02	-2.46E-04	9.80E-05	8.37E-05
4.10E+02	-2.41E-04	4.23E-05	-1.43E-05
4.10E+02	-2.07E-04	1.87E-05	-5.51E-05
4.10E+02	-1.77E-04	1.01E-05	-7.25E-05
4.10E+02	-1.57E-04	1.11E-05	-1.08E-04
4.10E+02	-1.63E-04	1.43E-05	-1.19E-04
4.10E+02	-1.54E-04	1.58E-05	-1.14E-04
4.10E+02	-8.66E-05	3.19E-05	-7.90E-05
4.10E+02	-2.46E-05	3.15E-05	-6.43E-05
4.10E+02	2.44E-05	1.62E-05	-1.18E-04
4.10E+02	8.30E-05	3.60E-05	-1.55E-04
4.10E+02	1.35E-04	6.48E-05	-1.94E-04
4.10E+02	1.68E-04	8.14E-05	-2.62E-04
4.10E+02	1.43E-04	9.19E-05	-2.83E-04
4.10E+02	9.94E-05	9.96E-05	-2.65E-04
4.10E+02	7.90E-05	1.57E-04	-2.03E-04
4.10E+02	1.98E-05	1.96E-04	-1.82E-04
4.10E+02	-5.28E-05	1.74E-04	-2.39E-04

4.10E+02	-8.58E-05	1.82E-04	-2.12E-04
4.10E+02	-9.44E-05	1.94E-04	-1.43E-04
4.10E+02	-1.01E-04	2.04E-04	-1.02E-04
4.10E+02	-1.35E-04	2.30E-04	-6.26E-05
4.10E+02	-1.58E-04	2.51E-04	-6.33E-05
4.10E+02	-1.42E-04	3.01E-04	-5.28E-05
4.10E+02	-1.37E-04	3.56E-04	-3.74E-05
4.10E+02	-1.42E-04	3.78E-04	-6.16E-05
4.10E+02	-1.35E-04	4.07E-04	-3.17E-05
4.10E+02	-1.27E-04	4.31E-04	2.06E-05
4.10E+02	-1.31E-04	4.22E-04	2.38E-05
4.10E+02	-1.78E-04	3.99E-04	5.65E-05
4.10E+02	-2.41E-04	3.63E-04	1.14E-04
4.10E+02	-2.53E-04	3.42E-04	1.67E-04
4.10E+02	-2.67E-04	3.08E-04	1.74E-04
4.10E+02	-2.79E-04	2.38E-04	9.29E-05
4.10E+02	-2.38E-04	1.86E-04	3.78E-05
4.10E+02	-1.70E-04	1.26E-04	-4.20E-06
4.10E+02	-8.18E-05	7.04E-05	-6.48E-05
4.10E+02	-4.04E-05	3.11E-05	-9.69E-05
4.10E+02	-1.03E-05	-3.81E-07	-1.20E-04
4.10E+02	8.56E-05	2.23E-05	-8.51E-05
4.10E+02	1.21E-04	3.07E-05	-3.81E-05
4.10E+02	1.12E-04	1.20E-05	-4.37E-05
4.10E+02	1.22E-04	2.99E-05	-1.83E-05
4.10E+02	1.23E-04	5.04E-05	-9.16E-06
4.10E+02	1.36E-04	5.97E-05	-8.18E-05
4.10E+02	9.54E-05	7.31E-05	-1.37E-04
4.10E+02	3.11E-05	9.42E-05	-1.38E-04
4.10E+02	1.18E-05	1.38E-04	-1.06E-04
4.10E+02	-5.26E-05	1.74E-04	-6.37E-05
4.10E+02	-1.58E-04	1.63E-04	-7.93E-05
4.10E+02	-2.37E-04	1.47E-04	-9.17E-05
4.10E+02	-3.02E-04	1.51E-04	-7.57E-05
4.10E+02	-3.55E-04	1.72E-04	-1.06E-04
4.10E+02	-4.12E-04	1.99E-04	-1.26E-04
4.10E+02	-4.61E-04	2.05E-04	-1.35E-04
4.10E+02	-4.45E-04	2.24E-04	-1.22E-04
4.10E+02	-4.14E-04	2.47E-04	-6.52E-05
4.10E+02	-4.01E-04	2.24E-04	-6.08E-05
4.10E+02	-3.57E-04	1.88E-04	-2.90E-05
4.10E+02	-2.97E-04	1.48E-04	3.38E-05
4.10E+02	-2.19E-04	9.29E-05	1.77E-05
4.10E+02	-1.66E-04	4.14E-05	1.77E-05
4.10E+02	-1.45E-04	3.81E-06	4.79E-05
4.10E+02	-9.06E-05	9.92E-06	9.44E-05
4.10E+02	-6.98E-05	1.79E-05	1.27E-04

4.10E+02	-8.77E-05	-2.21E-05	6.33E-05
4.10E+02	-8.18E-05	-5.36E-05	1.70E-05
4.10E+02	-6.83E-05	-7.08E-05	1.05E-05
4.10E+02	-4.67E-05	-8.35E-05	-2.08E-05
4.10E+02	-5.70E-05	-7.82E-05	-2.78E-05
4.10E+02	-9.96E-05	-6.90E-05	-4.33E-05
4.10E+02	-9.44E-05	-3.93E-05	-5.99E-05
4.10E+02	-1.09E-04	-6.10E-06	-5.11E-05
4.10E+02	-1.70E-04	-9.54E-07	-7.76E-05
4.10E+02	-2.03E-04	4.39E-06	-7.11E-05
4.10E+02	-2.28E-04	2.12E-05	-1.98E-05
4.10E+02	-2.37E-04	3.17E-05	-1.56E-05
4.10E+02	-2.63E-04	4.60E-05	-2.02E-05
4.10E+02	-2.97E-04	9.14E-05	5.72E-07
4.10E+02	-2.70E-04	1.83E-04	6.26E-05
4.10E+02	-2.56E-04	2.80E-04	1.19E-04
4.10E+02	-2.68E-04	3.21E-04	8.05E-05
4.10E+02	-2.55E-04	3.30E-04	3.36E-05
4.10E+02	-2.23E-04	3.29E-04	2.06E-05
4.10E+02	-1.64E-04	2.93E-04	-2.06E-05
4.10E+02	-1.30E-04	2.38E-04	-4.02E-05
4.10E+02	-1.23E-04	1.88E-04	-3.24E-05
4.10E+02	-9.61E-05	1.52E-04	-4.39E-05
4.10E+02	-8.85E-05	1.45E-04	-3.76E-05
4.10E+02	-1.21E-04	1.33E-04	-3.68E-05
4.10E+02	-1.60E-04	1.19E-04	-1.28E-05
4.10E+02	-1.91E-04	1.20E-04	6.48E-05
4.10E+02	-1.92E-04	1.01E-04	7.99E-05
4.10E+02	-1.95E-04	7.46E-05	6.35E-05
4.10E+02	-2.12E-04	5.26E-05	6.94E-05
4.10E+02	-1.76E-04	4.58E-05	7.36E-05
4.10E+02	-1.27E-04	4.79E-05	7.21E-05
4.10E+02	-1.08E-04	1.07E-05	1.54E-05
4.10E+02	-7.19E-05	-2.99E-05	-1.34E-05
4.10E+02	-2.23E-05	-5.74E-05	3.57E-05
4.10E+02	2.27E-05	-7.36E-05	5.86E-05
4.10E+02	2.92E-05	-8.28E-05	5.17E-05
4.10E+02	-6.68E-06	-1.07E-04	2.65E-05
4.10E+02	-1.53E-05	-1.10E-04	2.86E-06
4.10E+02	-2.37E-05	-9.88E-05	7.63E-07
4.10E+02	-6.45E-05	-1.10E-04	-6.05E-05
4.10E+02	-8.13E-05	-1.22E-04	-1.31E-04
4.11E+02	-7.31E-05	-1.16E-04	-1.42E-04
4.11E+02	-4.06E-05	-1.21E-04	-1.76E-04
4.11E+02	0.00E+00	-1.38E-04	-2.05E-04
4.11E+02	2.23E-05	-1.38E-04	-1.76E-04
4.11E+02	5.99E-05	-1.12E-04	-1.21E-04

4.11E+02	8.13E-05	-7.00E-05	-6.03E-05
4.11E+02	6.73E-05	-5.02E-05	-4.88E-05
4.11E+02	6.07E-05	-4.69E-05	-2.71E-05
4.11E+02	7.34E-05	-3.07E-05	7.86E-05
4.11E+02	9.63E-05	-2.14E-05	1.93E-04
4.11E+02	8.81E-05	-2.63E-05	3.01E-04
4.11E+02	6.22E-05	-5.00E-05	3.90E-04
4.11E+02	8.26E-05	-7.61E-05	4.55E-04
4.11E+02	1.10E-04	-9.57E-05	5.02E-04
4.11E+02	9.59E-05	-1.50E-04	4.54E-04
4.11E+02	7.06E-05	-2.05E-04	3.63E-04
4.11E+02	4.90E-05	-2.20E-04	2.88E-04
4.11E+02	4.56E-05	-2.17E-04	1.59E-04
4.11E+02	2.65E-05	-2.11E-04	1.93E-05
4.11E+02	-2.46E-05	-2.10E-04	-5.51E-05
4.11E+02	-2.90E-05	-1.81E-04	-6.14E-05
4.11E+02	-2.65E-05	-1.44E-04	-3.38E-05
4.11E+02	-6.35E-05	-1.64E-04	-6.08E-05
4.11E+02	-7.84E-05	-2.08E-04	-9.04E-05
4.11E+02	-6.75E-05	-2.45E-04	-5.63E-05
4.11E+02	-4.63E-05	-2.77E-04	-6.03E-05
4.11E+02	-4.65E-05	-3.07E-04	-9.96E-05
4.11E+02	-8.68E-05	-3.22E-04	-1.29E-04
4.11E+02	-9.33E-05	-2.93E-04	-1.38E-04
4.11E+02	-8.41E-05	-2.37E-04	-9.77E-05
4.11E+02	-1.24E-04	-2.04E-04	-7.84E-05
4.11E+02	-1.49E-04	-1.68E-04	-5.11E-05
4.11E+02	-1.60E-04	-1.17E-04	4.65E-05
4.11E+02	-1.55E-04	-8.79E-05	1.08E-04
4.11E+02	-1.37E-04	-8.47E-05	1.46E-04
4.11E+02	-1.68E-04	-1.06E-04	2.06E-04
4.11E+02	-1.62E-04	-1.26E-04	2.57E-04
4.11E+02	-1.31E-04	-1.21E-04	2.92E-04
4.11E+02	-1.42E-04	-1.42E-04	2.57E-04
4.11E+02	-1.38E-04	-1.81E-04	1.79E-04
4.11E+02	-1.27E-04	-2.01E-04	1.31E-04
4.11E+02	-1.03E-04	-2.25E-04	8.18E-05
4.11E+02	-9.06E-05	-2.48E-04	4.79E-05
4.11E+02	-1.25E-04	-2.68E-04	7.40E-05
4.11E+02	-1.35E-04	-2.86E-04	1.26E-04
4.11E+02	-1.28E-04	-2.74E-04	1.78E-04
4.11E+02	-1.56E-04	-2.68E-04	1.98E-04
4.11E+02	-1.81E-04	-2.61E-04	2.14E-04
4.11E+02	-1.76E-04	-2.24E-04	2.77E-04
4.11E+02	-1.39E-04	-2.09E-04	3.02E-04
4.11E+02	-9.38E-05	-2.14E-04	2.64E-04
4.11E+02	-8.45E-05	-2.35E-04	2.12E-04

4.11E+02	-5.07E-05	-2.45E-04	1.59E-04
4.11E+02	-9.73E-06	-2.34E-04	1.25E-04
4.11E+02	-1.30E-05	-2.62E-04	5.17E-05
4.11E+02	-1.30E-05	-3.02E-04	-2.98E-05
4.11E+02	-2.54E-05	-3.36E-04	-3.11E-05
4.11E+02	-4.25E-05	-3.73E-04	-5.72E-07
4.11E+02	-7.08E-05	-3.87E-04	4.48E-05
4.11E+02	-1.46E-04	-4.08E-04	9.46E-05
4.11E+02	-1.94E-04	-4.15E-04	1.28E-04
4.11E+02	-2.05E-04	-3.79E-04	1.91E-04
4.11E+02	-2.44E-04	-3.52E-04	2.19E-04
4.11E+02	-2.82E-04	-3.20E-04	2.01E-04
4.11E+02	-2.90E-04	-2.61E-04	2.42E-04
4.11E+02	-2.71E-04	-2.08E-04	2.55E-04
4.11E+02	-2.57E-04	-1.68E-04	1.86E-04
4.11E+02	-2.93E-04	-1.33E-04	1.33E-04
4.11E+02	-3.14E-04	-8.22E-05	1.14E-04
4.11E+02	-3.15E-04	-7.82E-06	1.27E-04
4.11E+02	-3.43E-04	4.54E-05	1.05E-04
4.11E+02	-3.50E-04	6.24E-05	6.31E-05
4.11E+02	-3.29E-04	7.04E-05	1.15E-04
4.11E+02	-2.71E-04	6.54E-05	1.93E-04
4.11E+02	-1.96E-04	5.02E-05	2.35E-04
4.11E+02	-1.65E-04	2.90E-05	2.54E-04
4.11E+02	-1.15E-04	2.54E-05	2.39E-04
4.11E+02	-4.90E-05	4.37E-05	1.99E-04
4.11E+02	-3.93E-05	3.13E-05	1.18E-04
4.11E+02	-3.68E-05	1.28E-05	4.18E-05
4.11E+02	-4.33E-05	1.47E-05	4.33E-05
4.11E+02	-5.70E-05	-1.77E-05	5.30E-05
4.11E+02	-6.75E-05	-8.66E-05	1.64E-05
4.11E+02	-1.42E-04	-1.56E-04	7.63E-06
4.11E+02	-2.06E-04	-2.17E-04	1.26E-05
4.11E+02	-2.20E-04	-2.48E-04	1.35E-05
4.11E+02	-2.70E-04	-2.71E-04	0.00E+00
4.11E+02	-3.10E-04	-3.19E-04	-3.99E-05
4.11E+02	-3.08E-04	-3.52E-04	-1.72E-06
4.11E+02	-2.86E-04	-3.58E-04	8.89E-05
4.11E+02	-2.52E-04	-3.65E-04	1.52E-04
4.11E+02	-2.51E-04	-3.81E-04	1.94E-04
4.11E+02	-2.39E-04	-3.94E-04	2.02E-04
4.11E+02	-1.79E-04	-3.65E-04	2.27E-04
4.11E+02	-1.54E-04	-3.29E-04	2.23E-04
4.11E+02	-1.58E-04	-3.14E-04	1.36E-04
4.11E+02	-1.65E-04	-2.74E-04	1.01E-04
4.11E+02	-1.82E-04	-2.37E-04	1.03E-04
4.11E+02	-2.07E-04	-2.25E-04	6.98E-05

4.11E+02	-2.77E-04	-2.25E-04	7.40E-05
4.11E+02	-3.38E-04	-2.33E-04	9.88E-05
4.11E+02	-3.48E-04	-2.14E-04	1.26E-04
4.11E+02	-3.79E-04	-2.10E-04	1.24E-04
4.11E+02	-4.08E-04	-2.48E-04	5.87E-05
4.11E+02	-3.89E-04	-2.63E-04	4.65E-05
4.11E+02	-3.39E-04	-2.61E-04	8.58E-05
4.11E+02	-2.78E-04	-2.72E-04	1.02E-04
4.11E+02	-2.46E-04	-2.79E-04	1.35E-04
4.11E+02	-2.22E-04	-2.99E-04	1.42E-04
4.11E+02	-1.47E-04	-2.83E-04	1.46E-04
4.11E+02	-8.51E-05	-2.33E-04	1.67E-04
4.11E+02	-7.29E-05	-2.21E-04	1.27E-04
4.11E+02	-4.94E-05	-1.96E-04	1.44E-04
4.11E+02	-2.98E-05	-1.63E-04	1.90E-04
4.11E+02	-1.95E-05	-1.44E-04	1.41E-04
4.11E+02	-4.37E-05	-1.26E-04	9.78E-05
4.11E+02	-9.00E-05	-1.15E-04	6.83E-05
4.11E+02	-7.92E-05	-7.11E-05	6.39E-05
4.11E+02	-8.56E-05	-4.56E-05	5.68E-05
4.11E+02	-1.14E-04	-7.08E-05	-2.14E-05
4.11E+02	-1.09E-04	-9.65E-05	-3.62E-05
4.11E+02	-1.02E-04	-1.26E-04	-3.05E-06
4.11E+02	-8.87E-05	-1.63E-04	-3.22E-05
4.11E+02	-1.18E-04	-1.98E-04	-5.66E-05
4.11E+02	-1.69E-04	-2.26E-04	-7.76E-05
4.11E+02	-1.71E-04	-2.34E-04	-9.42E-05
4.11E+02	-1.84E-04	-2.36E-04	-9.27E-05
4.11E+02	-2.25E-04	-2.53E-04	-1.51E-04
4.11E+02	-2.52E-04	-2.41E-04	-1.81E-04
4.11E+02	-2.45E-04	-2.16E-04	-1.69E-04
4.11E+02	-2.02E-04	-2.10E-04	-2.10E-04
4.11E+02	-1.77E-04	-1.87E-04	-2.19E-04
4.11E+02	-1.47E-04	-1.53E-04	-1.91E-04
4.11E+02	-6.41E-05	-7.92E-05	-1.63E-04
4.11E+02	-1.01E-05	-9.54E-07	-1.69E-04
4.11E+02	9.92E-06	8.01E-06	-2.50E-04
4.11E+02	3.93E-05	1.45E-05	-2.66E-04
4.11E+02	5.47E-05	2.04E-05	-1.94E-04
4.11E+02	5.32E-05	6.10E-06	-1.19E-04
4.11E+02	7.06E-06	2.86E-06	-3.72E-05
4.11E+02	-6.45E-05	-2.19E-05	1.41E-05
4.11E+02	-1.01E-04	-3.41E-05	6.33E-05
4.11E+02	-1.42E-04	-3.11E-05	1.18E-04
4.11E+02	-1.98E-04	-7.13E-05	8.89E-05
4.11E+02	-2.25E-04	-9.42E-05	6.45E-05
4.11E+02	-2.15E-04	-8.96E-05	6.87E-05

4.11E+02	-1.64E-04	-9.33E-05	1.85E-05
4.11E+02	-1.20E-04	-9.99E-05	-2.04E-05
4.11E+02	-8.51E-05	-1.06E-04	-2.16E-05
4.11E+02	1.72E-06	-9.06E-05	-4.58E-06
4.11E+02	6.69E-05	-7.42E-05	-4.58E-06
4.11E+02	8.24E-05	-6.68E-05	-5.65E-05
4.11E+02	9.65E-05	-6.24E-05	-7.97E-05
4.11E+02	1.22E-04	-4.71E-05	-4.37E-05
4.11E+02	1.65E-04	-1.51E-05	-2.10E-05
4.11E+02	1.55E-04	-1.83E-05	-1.96E-05
4.11E+02	1.26E-04	-4.58E-05	-3.51E-05
4.11E+02	1.50E-04	-6.33E-05	-6.08E-05
4.11E+02	1.65E-04	-8.98E-05	-7.63E-05
4.11E+02	1.54E-04	-1.27E-04	-1.25E-04
4.11E+02	1.55E-04	-1.46E-04	-1.42E-04
4.11E+02	1.54E-04	-1.43E-04	-1.03E-04
4.11E+02	1.48E-04	-1.35E-04	-1.26E-04
4.11E+02	1.15E-04	-1.25E-04	-1.67E-04
4.11E+02	4.83E-05	-1.21E-04	-1.77E-04
4.11E+02	8.96E-06	-9.98E-05	-1.50E-04
4.11E+02	-2.35E-05	-6.64E-05	-9.27E-05
4.11E+02	-9.31E-05	-7.93E-05	-1.18E-04
4.11E+02	-1.35E-04	-9.82E-05	-1.27E-04
4.11E+02	-1.30E-04	-8.11E-05	-4.35E-05
4.11E+02	-1.21E-04	-7.55E-05	-9.54E-06
4.11E+02	-1.32E-04	-7.04E-05	9.35E-06
4.11E+02	-1.45E-04	-6.16E-05	1.75E-05
4.11E+02	-1.07E-04	-4.63E-05	-2.63E-05
4.11E+02	-7.02E-05	-2.75E-05	-5.25E-05
4.11E+02	-7.88E-05	-4.79E-05	-1.17E-04
4.11E+02	-7.55E-05	-5.59E-05	-1.87E-04
4.11E+02	-6.69E-05	-4.35E-05	-1.91E-04
4.11E+02	-6.07E-05	-4.08E-05	-2.16E-04
4.11E+02	-8.35E-05	-4.23E-05	-2.36E-04
4.11E+02	-1.46E-04	-4.43E-05	-2.08E-04
4.11E+02	-1.68E-04	-1.53E-06	-1.47E-04
4.11E+02	-1.94E-04	4.62E-05	-7.99E-05
4.11E+02	-2.61E-04	4.56E-05	-1.08E-04
4.11E+02	-2.97E-04	3.53E-05	-1.50E-04
4.11E+02	-3.05E-04	3.24E-05	-1.17E-04
4.11E+02	-2.94E-04	3.36E-05	-9.31E-05
4.11E+02	-2.89E-04	2.56E-05	-7.76E-05
4.11E+02	-3.05E-04	-1.09E-05	-6.85E-05
4.11E+02	-2.76E-04	-3.09E-05	-5.42E-05
4.11E+02	-2.27E-04	-2.48E-05	-1.07E-05
4.11E+02	-2.11E-04	-4.75E-05	-1.49E-05
4.11E+02	-1.92E-04	-5.76E-05	-2.38E-05

4.11E+02	-1.62E-04	-4.39E-05	2.86E-06
4.11E+02	-1.10E-04	-5.28E-05	-3.11E-05
4.11E+02	-6.96E-05	-6.58E-05	-6.28E-05
4.11E+02	-6.35E-05	-8.41E-05	-3.80E-05
4.11E+02	-1.53E-05	-8.05E-05	4.96E-06
4.11E+02	3.78E-05	-5.40E-05	5.00E-05
4.11E+02	4.63E-05	-7.44E-05	1.95E-05
4.12E+02	5.23E-05	-1.02E-04	-3.34E-05
4.12E+02	6.54E-05	-1.02E-04	-2.63E-05
4.12E+02	8.72E-05	-1.01E-04	-1.70E-05
4.12E+02	7.40E-05	-8.53E-05	-1.43E-05
4.12E+02	2.14E-05	-5.97E-05	-1.85E-05
4.12E+02	8.01E-06	-1.85E-05	-1.75E-05
4.12E+02	8.39E-06	4.16E-05	5.15E-06
4.12E+02	-1.45E-05	7.38E-05	-1.14E-05
4.12E+02	-1.18E-05	1.06E-04	-2.44E-05
4.12E+02	1.53E-05	1.54E-04	1.91E-05
4.12E+02	6.31E-05	1.82E-04	1.62E-05
4.12E+02	1.15E-04	2.05E-04	-1.11E-05
4.12E+02	1.37E-04	2.12E-04	-5.15E-06
4.12E+02	1.83E-04	2.31E-04	1.30E-05
4.12E+02	2.32E-04	2.79E-04	3.11E-05
4.12E+02	2.36E-04	2.79E-04	-4.56E-05
4.12E+02	2.54E-04	2.61E-04	-1.52E-04
4.12E+02	2.80E-04	2.48E-04	-1.94E-04
4.12E+02	3.15E-04	2.16E-04	-2.49E-04
4.12E+02	3.27E-04	1.87E-04	-2.94E-04
4.12E+02	2.73E-04	1.17E-04	-3.23E-04
4.12E+02	2.46E-04	4.84E-05	-3.31E-04
4.12E+02	2.23E-04	2.48E-05	-2.63E-04
4.12E+02	1.44E-04	-7.63E-06	-2.11E-04
4.12E+02	7.71E-05	-3.80E-05	-1.93E-04
4.12E+02	2.88E-05	-4.56E-05	-1.31E-04
4.12E+02	5.72E-06	-4.50E-05	-1.03E-04
4.12E+02	-3.81E-06	-4.62E-05	-1.26E-04
4.12E+02	-3.76E-05	-4.43E-05	-1.40E-04
4.12E+02	-2.56E-05	-1.87E-05	-1.37E-04
4.12E+02	3.07E-05	2.80E-05	-9.96E-05
4.12E+02	7.31E-05	4.65E-05	-1.09E-04
4.12E+02	1.34E-04	3.40E-05	-1.44E-04
4.12E+02	2.16E-04	3.05E-05	-9.54E-05
4.12E+02	2.92E-04	2.46E-05	-5.87E-05
4.12E+02	3.41E-04	2.16E-05	-5.66E-05
4.12E+02	3.35E-04	1.64E-05	-4.63E-05
4.12E+02	3.44E-04	2.19E-05	-2.50E-05
4.12E+02	3.65E-04	6.94E-05	3.85E-05
4.12E+02	3.30E-04	9.31E-05	5.04E-05

4.12E+02	2.96E-04	1.10E-04	1.81E-05
4.12E+02	2.49E-04	1.38E-04	1.28E-05
4.12E+02	1.92E-04	1.22E-04	-6.60E-05
4.12E+02	1.57E-04	9.61E-05	-1.82E-04
4.12E+02	7.44E-05	6.18E-05	-2.21E-04
4.12E+02	2.17E-05	3.51E-05	-1.92E-04
4.12E+02	9.54E-06	3.70E-05	-1.16E-04
4.12E+02	-3.85E-05	1.91E-06	-6.43E-05
4.12E+02	-6.92E-05	-5.84E-05	-5.57E-05
4.12E+02	-7.11E-05	-1.01E-04	8.77E-06
4.12E+02	-4.79E-05	-1.39E-04	8.70E-05
4.12E+02	-3.22E-05	-1.65E-04	1.18E-04
4.12E+02	-6.54E-05	-1.87E-04	1.43E-04
4.12E+02	-7.92E-05	-2.11E-04	1.45E-04
4.12E+02	-5.59E-05	-2.16E-04	1.52E-04
4.12E+02	-5.49E-05	-2.43E-04	1.49E-04
4.12E+02	-5.80E-05	-2.91E-04	9.92E-05
4.12E+02	-2.96E-05	-3.16E-04	9.63E-05
4.12E+02	3.70E-05	-3.34E-04	7.55E-05
4.12E+02	1.29E-04	-3.46E-04	1.37E-05
4.12E+02	1.92E-04	-3.59E-04	8.77E-06
4.12E+02	2.63E-04	-3.39E-04	2.17E-05
4.12E+02	3.53E-04	-2.63E-04	5.57E-05
4.12E+02	3.71E-04	-2.12E-04	6.28E-05
4.12E+02	3.56E-04	-1.77E-04	2.06E-05
4.12E+02	3.46E-04	-1.29E-04	3.93E-05
4.12E+02	3.42E-04	-9.33E-05	5.23E-05
4.12E+02	3.39E-04	-5.09E-05	1.85E-05
4.12E+02	2.89E-04	-2.12E-05	-1.43E-05
4.12E+02	2.63E-04	-4.77E-06	-4.77E-05
4.12E+02	2.84E-04	4.35E-05	-1.89E-05
4.12E+02	2.78E-04	7.31E-05	2.54E-05
4.12E+02	2.66E-04	6.45E-05	3.78E-05
4.12E+02	2.61E-04	7.04E-05	1.14E-04
4.12E+02	2.63E-04	6.87E-05	1.81E-04
4.12E+02	2.59E-04	4.29E-05	1.59E-04
4.12E+02	2.04E-04	1.87E-05	1.34E-04
4.12E+02	1.50E-04	1.41E-05	1.19E-04
4.12E+02	1.25E-04	4.56E-05	1.13E-04
4.12E+02	5.76E-05	7.13E-05	7.53E-05
4.12E+02	-6.68E-06	7.88E-05	-1.14E-06
4.12E+02	-4.69E-05	8.93E-05	-1.56E-05
4.12E+02	-7.10E-05	9.57E-05	-3.81E-06
4.12E+02	-5.66E-05	1.10E-04	-1.41E-05
4.12E+02	-7.76E-05	9.96E-05	-2.98E-05
4.12E+02	-7.95E-05	7.34E-05	-5.84E-05
4.12E+02	-2.86E-06	6.92E-05	-4.69E-05

4.12E+02	4.41E-05	3.70E-05	-3.13E-05
4.12E+02	6.29E-05	-1.95E-05	-5.51E-05
4.12E+02	9.69E-05	-4.22E-05	-2.17E-05
4.12E+02	1.50E-04	-5.46E-05	1.28E-05
4.12E+02	2.19E-04	-8.07E-05	-2.16E-05
4.12E+02	2.44E-04	-1.01E-04	-1.30E-05
4.12E+02	2.53E-04	-1.03E-04	4.41E-05
4.12E+02	2.89E-04	-6.64E-05	1.32E-04
4.12E+02	2.97E-04	-2.04E-05	2.16E-04
4.12E+02	2.70E-04	-5.72E-07	1.96E-04
4.12E+02	2.48E-04	2.71E-05	1.60E-04
4.12E+02	2.45E-04	6.41E-05	1.41E-04
4.12E+02	2.23E-04	7.99E-05	7.67E-05
4.12E+02	1.58E-04	8.35E-05	1.87E-05
4.12E+02	1.08E-04	8.05E-05	-3.47E-05
4.12E+02	1.09E-04	9.12E-05	-5.21E-05
4.12E+02	9.37E-05	9.25E-05	-2.73E-05
4.12E+02	6.03E-05	4.69E-05	-3.53E-05
4.12E+02	6.64E-05	2.52E-05	5.15E-06
4.12E+02	9.46E-05	1.58E-05	7.86E-05
4.12E+02	1.41E-04	-8.96E-06	7.80E-05
4.12E+02	1.70E-04	-1.64E-05	5.66E-05
4.12E+02	1.86E-04	-1.96E-05	6.79E-05
4.12E+02	2.40E-04	1.30E-05	1.22E-04
4.12E+02	2.58E-04	2.96E-05	1.55E-04
4.12E+02	2.21E-04	-1.09E-05	1.17E-04
4.12E+02	1.75E-04	-4.52E-05	9.73E-05
4.12E+02	1.21E-04	-7.02E-05	1.12E-04
4.12E+02	7.44E-05	-7.92E-05	1.11E-04
4.12E+02	3.43E-06	-8.74E-05	1.12E-04
4.12E+02	-6.66E-05	-1.04E-04	1.17E-04
4.12E+02	-6.71E-05	-8.07E-05	1.31E-04
4.12E+02	-4.84E-05	-4.83E-05	1.56E-04
4.12E+02	-4.44E-05	-6.16E-05	1.47E-04
4.12E+02	-1.09E-05	-9.04E-05	1.61E-04
4.12E+02	3.34E-05	-1.42E-04	1.74E-04
4.12E+02	6.69E-05	-2.29E-04	9.25E-05
4.12E+02	7.88E-05	-3.08E-04	1.87E-05
4.12E+02	4.33E-05	-3.85E-04	-2.37E-05
4.12E+02	3.26E-05	-3.98E-04	-3.76E-05
4.12E+02	1.66E-05	-3.54E-04	-4.04E-05
4.12E+02	-7.29E-05	-3.35E-04	-1.33E-04
4.12E+02	-1.32E-04	-2.85E-04	-1.82E-04
4.12E+02	-1.48E-04	-2.16E-04	-1.50E-04
4.12E+02	-1.37E-04	-1.59E-04	-1.30E-04
4.12E+02	-1.22E-04	-1.02E-04	-1.05E-04
4.12E+02	-1.15E-04	-6.26E-05	-9.17E-05

4.12E+02	-3.19E-05	-4.58E-06	-5.19E-05
4.12E+02	4.54E-05	4.50E-05	1.13E-05
4.12E+02	7.57E-05	5.80E-05	3.80E-05
4.12E+02	1.21E-04	7.02E-05	7.78E-05
4.12E+02	1.60E-04	7.13E-05	1.46E-04
4.12E+02	1.94E-04	5.44E-05	1.54E-04
4.12E+02	1.80E-04	2.71E-05	1.15E-04
4.12E+02	1.34E-04	1.47E-05	1.09E-04
4.12E+02	1.21E-04	3.28E-05	1.13E-04
4.12E+02	9.02E-05	4.12E-05	1.24E-04
4.12E+02	4.02E-05	6.87E-06	1.12E-04
4.12E+02	2.78E-05	-4.20E-05	8.18E-05
4.12E+02	4.29E-05	-8.24E-05	8.79E-05
4.12E+02	6.71E-05	-1.27E-04	4.46E-05
4.12E+02	8.20E-05	-1.67E-04	-3.62E-05
4.12E+02	7.93E-05	-1.96E-04	-9.99E-05
4.12E+02	1.06E-04	-1.90E-04	-1.37E-04
4.12E+02	1.29E-04	-1.48E-04	-1.08E-04
4.12E+02	9.23E-05	-1.24E-04	-6.79E-05
4.12E+02	3.43E-05	-9.14E-05	1.72E-06
4.12E+02	-2.56E-05	-3.97E-05	1.12E-04
4.12E+02	-6.79E-05	-3.05E-06	1.38E-04
4.12E+02	-1.09E-04	3.97E-05	1.24E-04
4.12E+02	-1.52E-04	9.46E-05	1.40E-04
4.12E+02	-1.26E-04	1.73E-04	1.51E-04
4.12E+02	-7.48E-05	2.62E-04	1.34E-04
4.12E+02	-4.60E-05	2.96E-04	1.70E-05
4.12E+02	6.48E-06	3.00E-04	-8.51E-05
4.12E+02	6.96E-05	2.89E-04	-8.05E-05
4.12E+02	1.29E-04	2.52E-04	-9.10E-05
4.12E+02	1.57E-04	2.14E-04	-1.06E-04
4.12E+02	1.35E-04	1.58E-04	-1.16E-04
4.12E+02	1.45E-04	1.19E-04	-1.23E-04
4.12E+02	1.50E-04	1.05E-04	-8.43E-05
4.12E+02	9.29E-05	5.59E-05	-8.49E-05
4.12E+02	2.82E-05	7.63E-06	-9.78E-05
4.12E+02	-3.76E-05	-1.79E-05	-6.73E-05
4.12E+02	-8.07E-05	-3.91E-05	-8.98E-05
4.12E+02	-1.37E-04	-5.74E-05	-1.45E-04
4.12E+02	-2.15E-04	-5.70E-05	-1.42E-04
4.12E+02	-2.22E-04	-1.53E-06	-8.64E-05
4.12E+02	-2.20E-04	6.87E-05	-3.13E-05
4.12E+02	-2.50E-04	1.01E-04	-4.31E-05
4.12E+02	-2.50E-04	1.26E-04	-7.32E-05
4.12E+02	-2.27E-04	1.38E-04	-4.44E-05
4.12E+02	-1.80E-04	1.10E-04	-1.89E-05
4.12E+02	-1.37E-04	6.75E-05	-6.87E-06

4.12E+02	-1.42E-04	3.05E-06	1.07E-05
4.12E+02	-1.09E-04	-3.89E-05	1.53E-05
4.12E+02	-6.22E-05	-3.85E-05	4.65E-05
4.12E+02	-7.59E-05	-6.14E-05	5.70E-05
4.12E+02	-8.91E-05	-6.35E-05	4.02E-05
4.12E+02	-8.87E-05	-1.47E-05	8.13E-05
4.12E+02	-7.61E-05	3.24E-05	7.90E-05
4.12E+02	-7.10E-05	8.51E-05	3.03E-05
4.12E+02	-9.98E-05	1.40E-04	2.63E-05
4.12E+02	-1.08E-04	1.71E-04	5.15E-06
4.12E+02	-9.65E-05	1.98E-04	-1.91E-07
4.12E+02	-1.11E-04	1.94E-04	-1.28E-05
4.12E+02	-1.30E-04	1.57E-04	-5.25E-05
4.12E+02	-1.23E-04	1.33E-04	-1.75E-05
4.12E+02	-1.00E-04	9.54E-05	2.67E-05
4.12E+02	-9.10E-05	5.63E-05	4.10E-05
4.12E+02	-1.13E-04	1.43E-05	4.81E-05
4.12E+02	-1.05E-04	-2.27E-05	4.16E-05
4.12E+02	-5.99E-05	-1.07E-05	6.24E-05
4.13E+02	-5.78E-05	-3.05E-06	5.36E-05
4.13E+02	-5.59E-05	1.72E-05	1.95E-05
4.13E+02	-2.77E-05	6.96E-05	5.40E-05
4.13E+02	3.62E-06	9.31E-05	5.42E-05
4.13E+02	2.99E-05	1.06E-04	1.34E-06
4.13E+02	3.81E-06	1.07E-04	7.63E-07
4.13E+02	-7.82E-06	1.05E-04	2.77E-05
4.13E+02	4.01E-06	1.22E-04	7.44E-05
4.13E+02	-4.62E-05	8.62E-05	7.13E-05
4.13E+02	-9.75E-05	8.96E-06	2.04E-05
4.13E+02	-1.28E-04	-6.35E-05	4.41E-05
4.13E+02	-1.67E-04	-1.32E-04	8.05E-05
4.13E+02	-2.08E-04	-1.83E-04	9.12E-05
4.13E+02	-2.86E-04	-2.37E-04	1.04E-04
4.13E+02	-3.31E-04	-2.74E-04	1.08E-04
4.13E+02	-3.07E-04	-2.66E-04	1.24E-04
4.13E+02	-3.06E-04	-2.58E-04	1.04E-04
4.13E+02	-2.90E-04	-2.31E-04	6.29E-05
4.13E+02	-2.44E-04	-1.66E-04	8.01E-05
4.13E+02	-1.96E-04	-1.14E-04	7.82E-05
4.13E+02	-1.49E-04	-8.41E-05	4.75E-05
4.13E+02	-1.62E-04	-7.80E-05	5.51E-05
4.13E+02	-1.74E-04	-6.60E-05	7.53E-05
4.13E+02	-1.57E-04	-1.56E-05	1.02E-04
4.13E+02	-1.95E-04	2.02E-05	7.34E-05
4.13E+02	-2.32E-04	4.77E-05	-2.25E-05
4.13E+02	-2.50E-04	9.02E-05	-5.42E-05
4.13E+02	-2.65E-04	1.27E-04	-4.79E-05

4.13E+02	-2.65E-04	1.52E-04	-5.93E-05
4.13E+02	-2.93E-04	1.50E-04	-4.52E-05
4.13E+02	-2.87E-04	1.46E-04	-3.49E-05
4.13E+02	-2.19E-04	1.62E-04	-1.68E-05
4.13E+02	-1.76E-04	1.77E-04	3.24E-06
4.13E+02	-1.36E-04	1.79E-04	-3.81E-07
4.13E+02	-7.04E-05	1.90E-04	6.35E-05
4.13E+02	-3.81E-07	1.94E-04	1.36E-04
4.13E+02	5.17E-05	1.46E-04	1.23E-04
4.13E+02	4.10E-05	6.89E-05	9.71E-05
4.13E+02	2.57E-05	3.62E-06	6.47E-05
4.13E+02	4.06E-05	-3.57E-05	2.67E-05
4.13E+02	2.40E-05	-7.88E-05	-4.14E-05
4.13E+02	-1.34E-06	-1.32E-04	-1.51E-04
4.13E+02	5.72E-07	-1.49E-04	-1.77E-04
4.13E+02	2.88E-05	-1.46E-04	-1.45E-04
4.13E+02	5.76E-05	-1.52E-04	-1.21E-04
4.13E+02	4.75E-05	-1.62E-04	-7.42E-05
4.13E+02	4.73E-05	-1.74E-04	-4.14E-05
4.13E+02	7.67E-05	-1.61E-04	-3.81E-06
4.13E+02	7.97E-05	-1.24E-04	3.80E-05
4.13E+02	6.20E-05	-1.07E-04	6.29E-06
4.13E+02	5.63E-05	-6.58E-05	1.91E-06
4.13E+02	6.66E-05	1.62E-05	4.10E-05
4.13E+02	5.61E-05	8.74E-05	5.72E-06
4.13E+02	-1.39E-05	1.59E-04	-1.89E-05
4.13E+02	-9.35E-05	2.39E-04	-9.54E-06
4.13E+02	-1.40E-04	3.22E-04	-5.72E-06
4.13E+02	-2.13E-04	3.73E-04	2.48E-06
4.13E+02	-3.05E-04	3.77E-04	-1.96E-05
4.13E+02	-3.60E-04	3.79E-04	1.41E-05
4.13E+02	-3.96E-04	3.84E-04	9.02E-05
4.13E+02	-4.25E-04	3.80E-04	1.14E-04
4.13E+02	-4.64E-04	3.51E-04	1.34E-04
4.13E+02	-4.81E-04	2.96E-04	1.32E-04
4.13E+02	-4.22E-04	2.67E-04	1.21E-04
4.13E+02	-3.65E-04	2.37E-04	1.05E-04
4.13E+02	-3.17E-04	1.86E-04	2.92E-05
4.13E+02	-2.49E-04	1.73E-04	-7.25E-06
4.13E+02	-1.93E-04	1.66E-04	-7.63E-06
4.13E+02	-1.39E-04	1.44E-04	-6.75E-05
4.13E+02	-1.43E-04	1.25E-04	-1.36E-04
4.13E+02	-1.93E-04	1.05E-04	-1.78E-04
4.13E+02	-2.10E-04	1.22E-04	-1.75E-04
4.13E+02	-2.41E-04	1.45E-04	-1.50E-04
4.13E+02	-2.85E-04	1.29E-04	-1.74E-04
4.13E+02	-2.87E-04	1.13E-04	-1.45E-04

4.13E+02	-2.38E-04	1.08E-04	-3.89E-05
4.13E+02	-1.67E-04	1.01E-04	2.42E-05
4.13E+02	-1.33E-04	9.27E-05	5.82E-05
4.13E+02	-9.54E-05	8.20E-05	6.87E-05
4.13E+02	-1.01E-05	9.65E-05	7.65E-05
4.13E+02	4.39E-05	1.07E-04	9.35E-05
4.13E+02	6.29E-05	9.52E-05	3.83E-05
4.13E+02	9.75E-05	1.12E-04	9.54E-06
4.13E+02	1.36E-04	1.54E-04	4.37E-05
4.13E+02	1.80E-04	1.93E-04	3.62E-05
4.13E+02	1.91E-04	2.18E-04	4.44E-05
4.13E+02	1.77E-04	2.24E-04	7.46E-05
4.13E+02	1.94E-04	2.48E-04	1.23E-04
4.13E+02	1.75E-04	2.66E-04	1.90E-04
4.13E+02	1.18E-04	2.35E-04	1.80E-04
4.13E+02	9.14E-05	1.98E-04	1.70E-04
4.13E+02	7.67E-05	1.67E-04	1.93E-04
4.13E+02	7.15E-05	1.28E-04	1.88E-04
4.13E+02	4.04E-05	9.31E-05	1.93E-04
4.13E+02	3.24E-06	6.26E-05	1.70E-04
4.13E+02	3.19E-05	6.08E-05	1.30E-04
4.13E+02	5.17E-05	7.11E-05	1.04E-04
4.13E+02	4.01E-05	5.05E-05	4.10E-05
4.13E+02	4.90E-05	3.51E-05	3.62E-05
4.13E+02	6.14E-05	3.76E-05	7.86E-05
4.13E+02	8.49E-05	3.11E-05	4.16E-05
4.13E+02	8.07E-05	1.95E-05	5.53E-06
4.13E+02	5.72E-05	2.69E-05	4.39E-06
4.13E+02	9.82E-05	6.96E-05	5.34E-06
4.13E+02	1.25E-04	1.02E-04	-1.54E-05
4.13E+02	1.26E-04	1.08E-04	-8.75E-05
4.13E+02	1.62E-04	1.28E-04	-9.73E-05
4.13E+02	1.78E-04	1.59E-04	-4.92E-05
4.13E+02	1.91E-04	1.78E-04	-5.25E-05
4.13E+02	1.71E-04	1.88E-04	-6.60E-05
4.13E+02	1.09E-04	1.80E-04	-7.13E-05
4.13E+02	9.61E-05	1.71E-04	-5.84E-05
4.13E+02	7.31E-05	1.76E-04	-1.53E-05
4.13E+02	1.58E-05	1.61E-04	-1.37E-05
4.13E+02	-1.28E-05	1.49E-04	0.00E+00
4.13E+02	-1.83E-05	1.52E-04	5.80E-05
4.13E+02	9.16E-06	1.22E-04	5.65E-05
4.13E+02	1.54E-05	7.78E-05	4.96E-05
4.13E+02	-1.72E-06	3.97E-05	7.32E-05
4.13E+02	3.80E-05	1.81E-05	8.05E-05
4.13E+02	6.68E-05	1.14E-05	8.34E-05
4.13E+02	7.65E-05	-1.56E-05	2.82E-05

4.13E+02	1.06E-04	-5.13E-05	-4.01E-05
4.13E+02	1.34E-04	-6.08E-05	-2.90E-05
4.13E+02	1.73E-04	-5.38E-05	5.72E-07
4.13E+02	1.52E-04	-4.43E-05	3.22E-05
4.13E+02	7.84E-05	-3.80E-05	5.59E-05
4.13E+02	4.52E-05	-2.71E-05	8.03E-05
4.13E+02	3.43E-06	-7.44E-06	1.57E-04
4.13E+02	-7.34E-05	-1.26E-05	1.84E-04
4.13E+02	-1.37E-04	-1.53E-05	1.94E-04
4.13E+02	-1.81E-04	5.15E-06	2.64E-04
4.13E+02	-1.79E-04	1.28E-05	2.73E-04
4.13E+02	-1.69E-04	2.31E-05	2.72E-04
4.13E+02	-1.83E-04	3.22E-05	3.04E-04
4.13E+02	-1.56E-04	4.25E-05	3.06E-04
4.13E+02	-1.37E-04	6.01E-05	3.08E-04
4.13E+02	-1.75E-04	3.80E-05	2.25E-04
4.13E+02	-1.98E-04	-5.53E-06	9.35E-05
4.13E+02	-1.97E-04	-4.63E-05	2.63E-05
4.13E+02	-1.74E-04	-9.25E-05	-3.66E-05
4.13E+02	-1.58E-04	-1.27E-04	-7.38E-05
4.13E+02	-1.76E-04	-1.69E-04	-8.28E-05
4.13E+02	-1.23E-04	-1.73E-04	-7.11E-05
4.13E+02	-3.62E-05	-1.26E-04	-2.06E-05
4.13E+02	-1.30E-05	-1.15E-04	-3.60E-05
4.13E+02	1.34E-05	-9.96E-05	-5.59E-05
4.13E+02	5.21E-05	-5.25E-05	-4.58E-06
4.13E+02	7.93E-05	-1.93E-05	-1.20E-05
4.13E+02	8.03E-05	3.43E-06	-3.09E-05
4.13E+02	3.99E-05	1.81E-05	2.99E-05
4.13E+02	1.79E-05	4.77E-05	1.21E-04
4.13E+02	-6.10E-06	7.93E-05	2.17E-04
4.13E+02	-7.88E-05	6.56E-05	2.28E-04
4.13E+02	-1.50E-04	3.64E-05	1.86E-04
4.13E+02	-2.08E-04	2.25E-05	1.77E-04
4.13E+02	-2.54E-04	8.01E-06	1.18E-04
4.13E+02	-3.07E-04	-5.72E-06	4.25E-05
4.13E+02	-3.75E-04	-1.34E-05	6.29E-06
4.13E+02	-3.89E-04	-2.63E-05	-1.43E-05
4.13E+02	-3.71E-04	-3.68E-05	4.58E-06
4.13E+02	-3.61E-04	-5.46E-05	1.66E-05
4.13E+02	-3.29E-04	-7.23E-05	2.78E-05
4.13E+02	-2.71E-04	-6.08E-05	8.22E-05
4.13E+02	-1.80E-04	-6.08E-05	8.24E-05
4.13E+02	-9.90E-05	-6.96E-05	4.41E-05
4.13E+02	-7.38E-05	-6.41E-05	4.79E-05
4.13E+02	-3.38E-05	-4.33E-05	6.22E-05
4.13E+02	-3.24E-06	4.77E-06	9.16E-05

4.13E+02	-4.96E-05	1.66E-05	8.07E-05
4.13E+02	-9.27E-05	-1.41E-05	2.78E-05
4.13E+02	-1.18E-04	-3.05E-05	5.13E-05
4.13E+02	-1.32E-04	-5.11E-05	9.02E-05
4.13E+02	-1.31E-04	-8.30E-05	1.03E-04
4.13E+02	-1.62E-04	-1.20E-04	1.20E-04
4.13E+02	-1.45E-04	-1.51E-04	1.11E-04
4.13E+02	-8.16E-05	-1.55E-04	1.48E-04
4.13E+02	-5.74E-05	-1.80E-04	1.85E-04
4.13E+02	-1.98E-05	-2.22E-04	1.71E-04
4.13E+02	3.70E-05	-2.42E-04	1.92E-04
4.13E+02	1.05E-04	-2.78E-04	1.54E-04
4.13E+02	1.71E-04	-3.08E-04	5.84E-05
4.13E+02	1.79E-04	-3.18E-04	1.62E-05
4.13E+02	1.91E-04	-3.01E-04	1.32E-05
4.13E+02	2.11E-04	-2.45E-04	5.05E-05
4.13E+02	1.47E-04	-2.10E-04	5.07E-05
4.13E+02	4.44E-05	-1.92E-04	-5.15E-06
4.13E+02	-5.38E-05	-1.54E-04	-6.48E-06
4.13E+02	-1.40E-04	-1.06E-04	9.16E-06
4.13E+02	-2.19E-04	-4.37E-05	1.68E-05
4.13E+02	-3.26E-04	7.63E-06	3.99E-05
4.13E+02	-3.82E-04	5.04E-05	4.33E-05
4.13E+02	-3.67E-04	1.06E-04	7.06E-05
4.13E+02	-3.74E-04	1.32E-04	6.68E-05
4.13E+02	-3.64E-04	1.23E-04	1.66E-05
4.13E+02	-3.18E-04	1.21E-04	4.06E-05
4.13E+02	-2.53E-04	1.03E-04	4.06E-05
4.13E+02	-1.69E-04	6.73E-05	-1.30E-05
4.13E+02	-1.35E-04	1.74E-05	-3.45E-05
4.13E+02	-9.25E-05	-3.19E-05	-3.20E-05
4.14E+02	-1.22E-05	-5.36E-05	1.98E-05
4.14E+02	1.75E-05	-9.88E-05	3.74E-05
4.14E+02	3.41E-05	-1.57E-04	6.48E-06
4.14E+02	6.35E-05	-1.90E-04	2.06E-05
4.14E+02	1.08E-04	-2.04E-04	2.78E-05
4.14E+02	1.54E-04	-1.99E-04	1.34E-05
4.14E+02	1.42E-04	-1.96E-04	1.24E-05
4.14E+02	1.44E-04	-1.84E-04	1.95E-05
4.14E+02	1.62E-04	-1.69E-04	2.42E-05
4.14E+02	1.34E-04	-1.88E-04	-2.48E-06
4.14E+02	1.12E-04	-2.16E-04	-5.00E-05
4.14E+02	9.02E-05	-2.32E-04	-3.05E-05
4.14E+02	9.08E-05	-2.36E-04	8.39E-06
4.14E+02	1.14E-04	-2.37E-04	-2.54E-05
4.14E+02	9.54E-05	-2.37E-04	-3.41E-05
4.14E+02	9.50E-05	-2.16E-04	-9.16E-06

4.14E+02	1.33E-04	-1.71E-04	1.14E-05
4.14E+02	1.36E-04	-1.34E-04	1.39E-05
4.14E+02	1.26E-04	-1.26E-04	-4.62E-05
4.14E+02	1.38E-04	-1.18E-04	-7.50E-05
4.14E+02	1.68E-04	-8.34E-05	-7.19E-05
4.14E+02	2.06E-04	-4.56E-05	-9.75E-05
4.14E+02	2.10E-04	-2.50E-05	-9.02E-05
4.14E+02	2.14E-04	-2.25E-05	-5.78E-05
4.14E+02	2.59E-04	-4.29E-05	-1.16E-05
4.14E+02	2.73E-04	-8.16E-05	2.65E-05
4.14E+02	2.45E-04	-1.47E-04	1.14E-06
4.14E+02	2.10E-04	-2.00E-04	8.01E-06
4.14E+02	1.88E-04	-2.19E-04	2.19E-05
4.14E+02	1.77E-04	-2.38E-04	-4.52E-05
4.14E+02	1.16E-04	-2.46E-04	-8.83E-05
4.14E+02	6.08E-05	-2.37E-04	-9.71E-05
4.14E+02	6.60E-05	-2.08E-04	-6.73E-05
4.14E+02	5.23E-05	-1.96E-04	-2.78E-05
4.14E+02	3.83E-05	-2.43E-04	-6.85E-05
4.14E+02	5.87E-05	-2.91E-04	-8.49E-05
4.14E+02	9.25E-05	-3.20E-04	-6.31E-05
4.14E+02	1.49E-04	-3.31E-04	-5.93E-05
4.14E+02	1.77E-04	-3.27E-04	-2.35E-05
4.14E+02	1.94E-04	-3.09E-04	1.26E-05
4.14E+02	2.62E-04	-2.49E-04	5.23E-05
4.14E+02	2.98E-04	-1.95E-04	9.37E-05
4.14E+02	2.90E-04	-1.70E-04	6.71E-05
4.14E+02	2.81E-04	-1.30E-04	6.10E-05
4.14E+02	2.55E-04	-9.44E-05	5.70E-05
4.14E+02	2.36E-04	-7.95E-05	-3.03E-05
4.14E+02	1.65E-04	-7.53E-05	-9.12E-05
4.14E+02	6.10E-05	-6.89E-05	-1.20E-04
4.14E+02	1.49E-05	-2.86E-05	-1.14E-04
4.14E+02	-4.92E-05	6.29E-06	-7.40E-05
4.14E+02	-1.11E-04	-6.10E-06	-1.01E-04
4.14E+02	-1.14E-04	-3.57E-05	-1.09E-04
4.14E+02	-8.18E-05	-7.50E-05	-6.52E-05
4.14E+02	7.63E-07	-1.17E-04	-4.27E-05
4.14E+02	6.12E-05	-1.54E-04	-2.63E-05
4.14E+02	1.09E-04	-1.86E-04	-4.46E-05
4.14E+02	2.05E-04	-1.79E-04	-5.61E-05
4.14E+02	2.57E-04	-1.59E-04	-3.53E-05
4.14E+02	2.59E-04	-1.60E-04	-7.63E-05
4.14E+02	2.56E-04	-1.41E-04	-1.05E-04
4.14E+02	2.48E-04	-1.11E-04	-8.98E-05
4.14E+02	2.45E-04	-9.12E-05	-1.10E-04
4.14E+02	2.07E-04	-7.11E-05	-1.05E-04

4.14E+02	1.57E-04	-5.26E-05	-7.46E-05
4.14E+02	1.57E-04	-2.86E-06	-3.13E-05
4.14E+02	1.50E-04	4.31E-05	1.53E-06
4.14E+02	1.23E-04	3.80E-05	-4.92E-05
4.14E+02	1.23E-04	2.12E-05	-7.08E-05
4.14E+02	1.39E-04	1.34E-05	-3.19E-05
4.14E+02	1.84E-04	1.24E-05	-3.43E-05
4.14E+02	1.89E-04	-6.87E-06	-6.26E-05
4.14E+02	1.71E-04	-3.20E-05	-7.40E-05
4.14E+02	2.22E-04	-2.21E-05	-5.70E-05
4.14E+02	2.36E-04	-1.70E-05	-3.60E-05
4.14E+02	2.02E-04	-3.47E-05	-5.26E-05
4.14E+02	1.81E-04	-3.47E-05	-6.56E-05
4.14E+02	1.56E-04	-1.72E-05	-5.05E-05
4.14E+02	1.53E-04	-2.86E-06	-7.06E-05
4.14E+02	1.43E-04	1.03E-05	-8.26E-05
4.14E+02	1.07E-04	8.58E-06	-5.78E-05
4.14E+02	1.31E-04	2.04E-05	-1.91E-05
4.14E+02	1.58E-04	5.40E-05	3.41E-05
4.14E+02	1.53E-04	5.40E-05	8.01E-06
4.14E+02	1.84E-04	5.53E-05	-3.80E-05
4.14E+02	2.25E-04	7.67E-05	-2.82E-05
4.14E+02	2.83E-04	9.38E-05	-5.07E-05
4.14E+02	3.12E-04	1.14E-04	-6.58E-05
4.14E+02	2.92E-04	1.08E-04	-7.86E-05
4.14E+02	3.21E-04	9.02E-05	-1.08E-04
4.14E+02	3.34E-04	8.43E-05	-9.38E-05
4.14E+02	2.83E-04	5.49E-05	-1.28E-04
4.14E+02	2.49E-04	2.99E-05	-1.73E-04
4.14E+02	2.45E-04	3.19E-05	-1.42E-04
4.14E+02	2.41E-04	1.30E-05	-1.59E-04
4.14E+02	2.29E-04	-1.96E-05	-1.88E-04
4.14E+02	2.17E-04	-4.02E-05	-1.64E-04
4.14E+02	2.42E-04	-2.96E-05	-1.18E-04
4.14E+02	2.63E-04	4.20E-06	-2.54E-05
4.14E+02	2.36E-04	6.10E-06	-5.53E-06
4.14E+02	2.23E-04	-5.91E-06	-4.20E-05
4.14E+02	2.22E-04	-7.63E-07	-2.56E-05
4.14E+02	2.18E-04	8.01E-06	-5.15E-05
4.14E+02	1.92E-04	3.15E-05	-1.01E-04
4.14E+02	1.23E-04	6.48E-05	-1.61E-04
4.14E+02	9.27E-05	1.20E-04	-2.20E-04
4.14E+02	8.26E-05	2.00E-04	-2.06E-04
4.14E+02	4.92E-05	2.38E-04	-2.10E-04
4.14E+02	3.55E-05	2.48E-04	-2.04E-04
4.14E+02	3.30E-05	2.72E-04	-1.43E-04
4.14E+02	5.38E-05	2.73E-04	-1.59E-04

4.14E+02	6.29E-05	2.68E-04	-2.02E-04
4.14E+02	2.69E-05	2.74E-04	-2.08E-04
4.14E+02	1.11E-05	2.99E-04	-1.91E-04
4.14E+02	-1.20E-05	3.46E-04	-1.46E-04
4.14E+02	-7.88E-05	3.44E-04	-1.69E-04
4.14E+02	-1.28E-04	3.24E-04	-1.93E-04
4.14E+02	-1.46E-04	3.31E-04	-1.31E-04
4.14E+02	-1.34E-04	3.30E-04	-8.32E-05
4.14E+02	-1.16E-04	3.15E-04	-3.28E-05
4.14E+02	-1.39E-04	2.69E-04	-4.58E-06
4.14E+02	-1.14E-04	2.25E-04	-1.45E-05
4.14E+02	-4.04E-05	2.16E-04	2.10E-06
4.14E+02	-9.73E-06	1.96E-04	-3.11E-05
4.14E+02	3.41E-05	1.91E-04	-6.16E-05
4.14E+02	9.59E-05	2.08E-04	-4.20E-05
4.14E+02	1.71E-04	2.17E-04	-9.27E-05
4.14E+02	2.45E-04	2.31E-04	-1.71E-04
4.14E+02	2.64E-04	2.37E-04	-2.06E-04
4.14E+02	3.07E-04	2.53E-04	-2.12E-04
4.14E+02	3.44E-04	3.01E-04	-1.95E-04
4.14E+02	3.18E-04	3.18E-04	-2.34E-04
4.14E+02	3.01E-04	3.15E-04	-2.77E-04
4.14E+02	2.90E-04	3.27E-04	-2.18E-04
4.14E+02	2.90E-04	3.14E-04	-1.63E-04
4.14E+02	2.74E-04	2.88E-04	-1.35E-04
4.14E+02	2.21E-04	2.64E-04	-1.00E-04
4.14E+02	2.14E-04	2.31E-04	-9.12E-05
4.14E+02	2.25E-04	2.12E-04	-5.87E-05
4.14E+02	2.12E-04	1.88E-04	-4.52E-05
4.14E+02	2.08E-04	1.64E-04	-5.97E-05
4.14E+02	2.08E-04	1.65E-04	-1.16E-05
4.14E+02	2.25E-04	1.53E-04	7.06E-06
4.14E+02	2.29E-04	1.19E-04	-2.16E-05
4.14E+02	1.77E-04	8.62E-05	-3.53E-05
4.14E+02	1.56E-04	7.82E-05	-3.30E-05
4.14E+02	1.55E-04	1.08E-04	1.89E-05
4.14E+02	1.10E-04	1.22E-04	6.10E-06
4.14E+02	8.28E-05	1.30E-04	-8.26E-05
4.14E+02	7.38E-05	1.60E-04	-1.05E-04
4.14E+02	7.59E-05	1.81E-04	-1.25E-04
4.14E+02	6.43E-05	1.92E-04	-1.63E-04
4.14E+02	2.29E-06	1.85E-04	-1.68E-04
4.14E+02	-2.57E-05	1.75E-04	-1.77E-04
4.14E+02	-2.84E-05	1.79E-04	-1.54E-04
4.14E+02	-6.85E-05	1.40E-04	-1.43E-04
4.14E+02	-9.71E-05	8.18E-05	-1.51E-04
4.14E+02	-9.56E-05	5.87E-05	-8.11E-05

4.14E+02	-7.31E-05	2.90E-05	-5.02E-05
4.14E+02	-4.16E-05	-7.25E-06	-8.16E-05
4.14E+02	-3.45E-05	-3.40E-05	-7.67E-05
4.14E+02	-6.10E-06	-2.90E-05	-5.72E-05
4.14E+02	5.61E-05	2.67E-05	-1.20E-05
4.14E+02	8.47E-05	6.08E-05	-8.39E-06
4.14E+02	1.14E-04	6.81E-05	-3.74E-05
4.14E+02	1.60E-04	6.26E-05	-1.14E-06
4.14E+02	2.08E-04	2.78E-05	3.64E-05
4.14E+02	2.55E-04	-2.67E-06	5.86E-05
4.14E+02	2.45E-04	-5.89E-05	5.78E-05
4.14E+02	2.39E-04	-1.13E-04	1.53E-05
4.14E+02	2.65E-04	-1.08E-04	2.29E-06
4.14E+02	2.45E-04	-1.15E-04	-2.57E-05
4.14E+02	2.16E-04	-1.25E-04	-8.20E-05
4.14E+02	2.06E-04	-1.03E-04	-6.47E-05
4.14E+02	2.17E-04	-1.02E-04	-5.59E-05
4.14E+02	2.43E-04	-1.25E-04	-8.96E-05
4.14E+02	2.29E-04	-1.60E-04	-7.40E-05
4.14E+02	2.36E-04	-1.83E-04	-3.15E-05
4.14E+02	2.84E-04	-1.61E-04	1.77E-05
4.14E+02	2.86E-04	-1.55E-04	1.20E-05
4.14E+02	2.60E-04	-1.68E-04	-4.88E-05
4.14E+02	2.36E-04	-1.54E-04	-5.59E-05
4.14E+02	2.25E-04	-1.30E-04	-5.38E-05
4.14E+02	2.03E-04	-1.21E-04	-8.64E-05
4.14E+02	1.22E-04	-1.20E-04	-9.86E-05
4.14E+02	7.71E-05	-9.84E-05	-9.21E-05
4.14E+02	8.70E-05	-5.17E-05	-4.98E-05
4.14E+02	6.50E-05	-1.05E-05	1.37E-05
4.14E+02	4.65E-05	1.74E-05	2.67E-05
4.14E+02	5.42E-05	3.87E-05	5.51E-05
4.14E+02	8.58E-05	5.25E-05	7.15E-05
4.14E+02	1.37E-04	6.03E-05	1.56E-05
4.14E+02	1.46E-04	6.54E-05	-1.26E-05
4.14E+02	1.75E-04	8.64E-05	-3.32E-05
4.14E+02	2.48E-04	1.48E-04	-2.42E-05
4.14E+02	2.80E-04	1.96E-04	3.81E-07
4.14E+02	3.00E-04	2.02E-04	-5.23E-05
4.14E+02	3.27E-04	2.09E-04	-5.80E-05
4.14E+02	3.42E-04	2.14E-04	-2.59E-05
4.14E+02	3.35E-04	2.03E-04	-3.99E-05
4.14E+02	2.67E-04	1.74E-04	-3.95E-05
4.15E+02	1.94E-04	1.36E-04	-4.23E-05
4.15E+02	1.67E-04	1.19E-04	-3.22E-05
4.15E+02	1.29E-04	9.50E-05	-1.22E-05
4.15E+02	8.03E-05	5.15E-05	-4.14E-05

4.15E+02	6.98E-05	3.34E-05	-2.77E-05
4.15E+02	1.02E-04	3.51E-05	6.68E-06
4.15E+02	1.60E-04	2.56E-05	-3.83E-05
4.15E+02	1.92E-04	1.30E-05	-6.33E-05
4.15E+02	2.16E-04	1.87E-05	-5.30E-05
4.15E+02	2.70E-04	5.80E-05	-3.91E-05
4.15E+02	2.82E-04	9.78E-05	-3.38E-05
4.15E+02	2.65E-04	1.11E-04	-7.82E-05
4.15E+02	2.69E-04	1.27E-04	-7.23E-05
4.15E+02	2.78E-04	1.43E-04	-2.88E-05
4.15E+02	3.07E-04	1.51E-04	-1.81E-05
4.15E+02	3.05E-04	1.46E-04	-9.54E-07
4.15E+02	2.88E-04	1.13E-04	-2.25E-05
4.15E+02	3.27E-04	7.95E-05	-5.68E-05
4.15E+02	3.22E-04	2.35E-05	-8.81E-05
4.15E+02	2.70E-04	-7.59E-05	-1.51E-04
4.15E+02	2.31E-04	-1.49E-04	-1.32E-04
4.15E+02	1.84E-04	-1.91E-04	-6.60E-05
4.15E+02	1.46E-04	-2.24E-04	-5.02E-05
4.15E+02	6.68E-05	-2.22E-04	-9.54E-07
4.15E+02	-2.82E-05	-1.86E-04	8.11E-05
4.15E+02	-5.91E-05	-1.05E-04	1.68E-04
4.15E+02	-8.87E-05	-1.60E-05	2.09E-04
4.15E+02	-1.15E-04	2.42E-05	1.44E-04
4.15E+02	-9.88E-05	6.60E-05	1.11E-04
4.15E+02	-4.75E-05	1.10E-04	1.30E-04
4.15E+02	3.32E-05	1.46E-04	1.40E-04
4.15E+02	7.74E-05	1.75E-04	1.49E-04
4.15E+02	9.82E-05	1.82E-04	1.18E-04
4.15E+02	1.47E-04	2.28E-04	1.04E-04
4.15E+02	1.50E-04	2.83E-04	8.75E-05
4.15E+02	1.25E-04	3.11E-04	1.85E-05
4.15E+02	1.27E-04	3.63E-04	-1.01E-05
4.15E+02	1.08E-04	3.92E-04	-2.06E-05
4.15E+02	9.02E-05	3.94E-04	-7.57E-05
4.15E+02	5.44E-05	3.87E-04	-1.12E-04
4.15E+02	-1.28E-05	3.70E-04	-1.07E-04
4.15E+02	-2.23E-05	3.85E-04	-6.18E-05
4.15E+02	-3.47E-05	3.95E-04	-1.01E-05
4.15E+02	-7.97E-05	3.53E-04	-4.01E-05
4.15E+02	-9.08E-05	3.00E-04	-6.73E-05
4.15E+02	-8.56E-05	2.62E-04	-4.54E-05
4.15E+02	-6.33E-05	2.20E-04	-5.40E-05
4.15E+02	-5.09E-05	1.75E-04	-4.73E-05
4.15E+02	-5.02E-05	1.29E-04	-1.64E-05
4.15E+02	1.28E-05	9.56E-05	3.34E-05
4.15E+02	8.62E-05	7.38E-05	1.01E-04

4.15E+02	1.25E-04	2.56E-05	1.03E-04
4.15E+02	1.75E-04	-1.30E-05	9.35E-05
4.15E+02	2.31E-04	-3.17E-05	8.11E-05
4.15E+02	2.85E-04	-5.04E-05	-1.24E-05
4.15E+02	2.97E-04	-5.53E-05	-9.57E-05
4.15E+02	2.66E-04	-5.74E-05	-1.29E-04
4.15E+02	2.66E-04	-2.31E-05	-1.11E-04
4.15E+02	2.33E-04	9.35E-06	-8.05E-05
4.15E+02	1.69E-04	-2.08E-05	-1.34E-04
4.15E+02	1.47E-04	-4.90E-05	-1.64E-04
4.15E+02	1.36E-04	-6.33E-05	-1.11E-04
4.15E+02	1.37E-04	-9.12E-05	-7.11E-05
4.15E+02	1.10E-04	-1.29E-04	-3.38E-05
4.15E+02	5.09E-05	-1.67E-04	-2.67E-06
4.15E+02	4.84E-05	-1.69E-04	1.20E-05
4.15E+02	4.60E-05	-1.50E-04	3.62E-05
4.15E+02	1.01E-05	-1.52E-04	2.98E-05
4.15E+02	2.48E-06	-1.35E-04	4.58E-05
4.15E+02	4.58E-06	-8.70E-05	1.25E-04
4.15E+02	3.17E-05	-5.47E-05	1.41E-04
4.15E+02	6.24E-05	-2.75E-05	1.20E-04
4.15E+02	6.18E-05	6.87E-06	1.36E-04
4.15E+02	1.10E-04	6.66E-05	1.60E-04
4.15E+02	1.68E-04	1.33E-04	1.80E-04
4.15E+02	1.88E-04	1.56E-04	1.31E-04
4.15E+02	2.22E-04	1.71E-04	7.82E-05
4.15E+02	2.65E-04	1.91E-04	8.47E-05
4.15E+02	3.12E-04	1.85E-04	6.26E-05
4.15E+02	3.12E-04	1.62E-04	3.55E-05
4.15E+02	2.49E-04	1.15E-04	7.63E-07
4.15E+02	2.22E-04	6.64E-05	-5.30E-05
4.15E+02	1.96E-04	3.62E-05	-5.26E-05
4.15E+02	1.26E-04	-1.16E-05	-4.23E-05
4.15E+02	7.21E-05	-6.28E-05	-9.35E-06
4.15E+02	4.41E-05	-8.93E-05	7.00E-05
4.15E+02	4.25E-05	-1.22E-04	8.24E-05
4.15E+02	4.22E-05	-1.52E-04	9.40E-05
4.15E+02	2.65E-05	-1.78E-04	1.44E-04
4.15E+02	5.04E-05	-1.87E-04	1.75E-04
4.15E+02	8.09E-05	-1.66E-04	2.17E-04
4.15E+02	5.95E-05	-1.89E-04	1.59E-04
4.15E+02	4.25E-05	-2.20E-04	7.74E-05
4.15E+02	4.88E-05	-2.08E-04	1.07E-04
4.15E+02	4.90E-05	-2.01E-04	1.11E-04
4.15E+02	2.92E-05	-2.06E-04	9.46E-05
4.15E+02	-2.17E-05	-2.23E-04	6.94E-05
4.15E+02	-3.15E-05	-2.28E-04	2.02E-05

4.15E+02	-1.77E-05	-2.02E-04	7.44E-06
4.15E+02	-4.58E-05	-1.83E-04	-3.76E-05
4.15E+02	-5.04E-05	-1.58E-04	-8.51E-05
4.15E+02	-4.73E-05	-1.17E-04	-6.62E-05
4.15E+02	-4.41E-05	-8.93E-05	-6.56E-05
4.15E+02	-4.69E-05	-7.99E-05	-7.59E-05
4.15E+02	-1.09E-04	-8.11E-05	-5.57E-05
4.15E+02	-1.46E-04	-7.02E-05	-2.37E-05
4.15E+02	-1.66E-04	-6.48E-05	1.62E-05
4.15E+02	-2.24E-04	-9.02E-05	-1.03E-05
4.15E+02	-2.58E-04	-1.33E-04	-6.24E-05
4.15E+02	-2.57E-04	-1.66E-04	-2.56E-05
4.15E+02	-2.24E-04	-1.80E-04	2.17E-05
4.15E+02	-1.86E-04	-2.00E-04	7.10E-05
4.15E+02	-1.71E-04	-2.19E-04	1.57E-04
4.15E+02	-1.28E-04	-2.33E-04	2.00E-04
4.15E+02	-7.95E-05	-2.42E-04	2.14E-04
4.15E+02	-5.97E-05	-2.65E-04	1.92E-04
4.15E+02	-3.49E-05	-2.97E-04	1.36E-04
4.15E+02	-1.03E-05	-2.98E-04	1.21E-04
4.15E+02	2.98E-05	-2.92E-04	6.45E-05
4.15E+02	5.78E-05	-2.85E-04	-2.06E-05
4.15E+02	2.63E-05	-2.70E-04	-3.55E-05
4.15E+02	2.02E-05	-2.23E-04	-3.11E-05
4.15E+02	2.57E-05	-1.58E-04	-1.53E-05
4.15E+02	-1.83E-05	-1.34E-04	-3.38E-05
4.15E+02	-5.82E-05	-1.30E-04	-1.05E-04
4.15E+02	-9.65E-05	-1.16E-04	-1.27E-04
4.15E+02	-1.30E-04	-9.40E-05	-1.19E-04
4.15E+02	-1.81E-04	-7.44E-05	-1.09E-04
4.15E+02	-2.84E-04	-6.48E-05	-7.42E-05
4.15E+02	-3.55E-04	-4.83E-05	-2.61E-05
4.15E+02	-3.89E-04	-2.06E-05	5.15E-05
4.15E+02	-4.42E-04	1.14E-06	1.02E-04
4.15E+02	-4.71E-04	1.56E-05	1.08E-04
4.15E+02	-4.58E-04	5.38E-05	1.66E-04
4.15E+02	-4.25E-04	8.68E-05	1.86E-04
4.15E+02	-3.84E-04	9.16E-05	1.34E-04
4.15E+02	-3.58E-04	9.67E-05	1.18E-04
4.15E+02	-3.21E-04	1.03E-04	1.04E-04
4.15E+02	-2.69E-04	1.17E-04	1.01E-04
4.15E+02	-2.63E-04	9.71E-05	5.46E-05
4.15E+02	-2.81E-04	2.99E-05	-5.21E-05
4.15E+02	-2.88E-04	-2.44E-05	-8.81E-05
4.15E+02	-2.79E-04	-7.17E-05	-9.78E-05
4.15E+02	-2.68E-04	-1.13E-04	-9.75E-05
4.15E+02	-2.90E-04	-1.33E-04	-5.65E-05

4.15E+02	-2.82E-04	-1.30E-04	-2.84E-05
4.15E+02	-2.34E-04	-8.85E-05	2.90E-05
4.15E+02	-2.27E-04	-5.87E-05	7.53E-05
4.15E+02	-2.30E-04	-4.52E-05	7.21E-05
4.15E+02	-2.11E-04	-2.04E-05	1.03E-04
4.15E+02	-1.79E-04	-2.75E-05	1.03E-04
4.15E+02	-1.48E-04	-4.52E-05	6.92E-05
4.15E+02	-1.70E-04	-7.61E-05	6.03E-05
4.15E+02	-2.01E-04	-1.15E-04	5.19E-05
4.15E+02	-1.95E-04	-1.03E-04	9.54E-05
4.15E+02	-2.38E-04	-9.56E-05	1.13E-04
4.15E+02	-2.86E-04	-1.05E-04	6.52E-05
4.15E+02	-2.94E-04	-8.05E-05	7.08E-05
4.15E+02	-2.91E-04	-3.24E-05	7.02E-05
4.15E+02	-2.73E-04	2.94E-05	3.68E-05
4.15E+02	-2.89E-04	8.43E-05	3.07E-05
4.15E+02	-2.95E-04	1.30E-04	1.51E-05
4.15E+02	-2.50E-04	1.86E-04	1.30E-05
4.15E+02	-2.43E-04	2.08E-04	1.05E-05
4.15E+02	-2.49E-04	2.00E-04	-2.63E-05
4.15E+02	-2.38E-04	2.06E-04	-1.09E-05
4.15E+02	-2.28E-04	1.90E-04	9.73E-06
4.15E+02	-2.15E-04	1.54E-04	-3.81E-06
4.15E+02	-2.69E-04	1.14E-04	2.99E-05
4.15E+02	-3.31E-04	7.38E-05	7.95E-05
4.15E+02	-3.52E-04	5.63E-05	1.41E-04
4.15E+02	-4.19E-04	1.70E-05	1.62E-04
4.15E+02	-4.69E-04	-6.81E-05	1.11E-04
4.15E+02	-4.76E-04	-1.42E-04	1.31E-04
4.15E+02	-4.54E-04	-1.91E-04	1.66E-04
4.15E+02	-3.93E-04	-2.22E-04	1.43E-04
4.15E+02	-3.69E-04	-2.32E-04	1.25E-04
4.15E+02	-3.34E-04	-2.32E-04	8.79E-05
4.15E+02	-2.58E-04	-1.87E-04	7.32E-05
4.15E+02	-2.28E-04	-1.37E-04	5.99E-05
4.15E+02	-2.29E-04	-1.17E-04	1.58E-05
4.15E+02	-2.49E-04	-6.26E-05	5.05E-05
4.15E+02	-2.75E-04	-1.11E-05	8.89E-05
4.15E+02	-2.84E-04	1.28E-05	5.76E-05
4.15E+02	-3.27E-04	2.86E-05	5.72E-05
4.15E+02	-3.62E-04	2.82E-05	9.37E-05
4.15E+02	-3.46E-04	5.44E-05	1.46E-04
4.15E+02	-3.49E-04	7.90E-05	1.63E-04
4.15E+02	-3.66E-04	8.70E-05	1.01E-04
4.15E+02	-3.50E-04	1.19E-04	7.23E-05
4.15E+02	-3.16E-04	1.38E-04	6.92E-05
4.15E+02	-2.67E-04	1.34E-04	4.10E-05

4.15E+02	-2.60E-04	1.06E-04	3.93E-05
4.15E+02	-2.67E-04	6.39E-05	4.79E-05
4.15E+02	-2.11E-04	5.78E-05	8.77E-05
4.15E+02	-1.92E-04	4.16E-05	1.36E-04
4.15E+02	-2.05E-04	1.14E-05	1.25E-04
4.15E+02	-1.90E-04	1.89E-05	1.36E-04
4.15E+02	-1.88E-04	2.38E-05	1.45E-04
4.15E+02	-1.81E-04	2.33E-05	7.51E-05
4.16E+02	-2.11E-04	2.96E-05	8.01E-06
4.16E+02	-2.66E-04	2.67E-05	-2.82E-05
4.16E+02	-2.65E-04	5.05E-05	-3.47E-05
4.16E+02	-2.84E-04	7.99E-05	-3.34E-05
4.16E+02	-3.14E-04	5.49E-05	-9.54E-05
4.16E+02	-2.88E-04	3.38E-05	-1.21E-04
4.16E+02	-2.48E-04	2.54E-05	-9.84E-05
4.16E+02	-1.99E-04	-8.01E-06	-1.10E-04
4.16E+02	-1.92E-04	-3.81E-05	-9.40E-05
4.16E+02	-2.11E-04	-7.63E-05	-7.57E-05
4.16E+02	-1.83E-04	-9.19E-05	-5.63E-05
4.16E+02	-2.01E-04	-1.05E-04	-2.27E-05
4.16E+02	-2.54E-04	-1.59E-04	-4.81E-05
4.16E+02	-2.90E-04	-1.92E-04	-4.29E-05
4.16E+02	-3.11E-04	-1.94E-04	1.07E-05
4.16E+02	-2.84E-04	-1.84E-04	-3.81E-07
4.16E+02	-2.75E-04	-1.72E-04	-1.93E-05
4.16E+02	-2.56E-04	-1.44E-04	1.68E-05
4.16E+02	-1.91E-04	-1.05E-04	6.20E-05
4.16E+02	-1.62E-04	-9.23E-05	6.05E-05
4.16E+02	-1.37E-04	-1.13E-04	-1.96E-05
4.16E+02	-9.96E-05	-1.38E-04	-7.50E-05
4.16E+02	-7.53E-05	-1.43E-04	-6.12E-05
4.16E+02	-3.49E-05	-1.47E-04	-6.37E-05
4.16E+02	-3.93E-05	-1.42E-04	-4.56E-05
4.16E+02	-6.94E-05	-1.22E-04	-4.58E-06
4.16E+02	-5.40E-05	-7.88E-05	3.53E-05
4.16E+02	-6.87E-05	-3.09E-05	7.61E-05
4.16E+02	-1.14E-04	-2.16E-05	5.38E-05
4.16E+02	-1.60E-04	-7.06E-06	4.90E-05
4.16E+02	-1.94E-04	-2.67E-06	7.08E-05
4.16E+02	-1.87E-04	-3.74E-05	2.37E-05
4.16E+02	-2.10E-04	-7.42E-05	8.58E-06
4.16E+02	-2.37E-04	-1.07E-04	4.41E-05
4.16E+02	-2.07E-04	-1.04E-04	8.09E-05
4.16E+02	-1.87E-04	-8.89E-05	1.01E-04
4.16E+02	-1.94E-04	-1.14E-04	2.17E-05
4.16E+02	-1.85E-04	-1.41E-04	-7.15E-05
4.16E+02	-1.57E-04	-1.56E-04	-1.21E-04

4.16E+02	-1.24E-04	-1.61E-04	-2.06E-04
4.16E+02	-1.20E-04	-1.51E-04	-2.84E-04
4.16E+02	-1.43E-04	-1.56E-04	-3.56E-04
4.16E+02	-1.24E-04	-1.52E-04	-4.07E-04
4.16E+02	-9.00E-05	-1.43E-04	-3.73E-04
4.16E+02	-8.89E-05	-1.71E-04	-3.47E-04
4.16E+02	-8.20E-05	-1.95E-04	-3.17E-04
4.16E+02	-5.76E-05	-2.00E-04	-2.29E-04
4.16E+02	-1.81E-05	-2.05E-04	-1.84E-04
4.16E+02	-1.24E-05	-1.98E-04	-1.62E-04
4.16E+02	-4.16E-05	-1.77E-04	-1.17E-04
4.16E+02	-3.11E-05	-1.09E-04	-4.29E-05
4.16E+02	-3.51E-05	-2.25E-05	6.16E-05
4.16E+02	-9.00E-05	1.45E-05	8.93E-05
4.16E+02	-1.40E-04	3.66E-05	8.66E-05
4.16E+02	-1.75E-04	5.38E-05	1.28E-04
4.16E+02	-1.92E-04	5.02E-05	1.36E-04
4.16E+02	-2.38E-04	5.21E-05	1.24E-04
4.16E+02	-3.11E-04	4.83E-05	9.96E-05
4.16E+02	-3.29E-04	5.97E-05	7.51E-05
4.16E+02	-3.45E-04	9.04E-05	8.58E-05
4.16E+02	-3.84E-04	8.83E-05	4.31E-05
4.16E+02	-3.87E-04	6.96E-05	-9.35E-06
4.16E+02	-3.56E-04	6.45E-05	1.24E-05
4.16E+02	-2.84E-04	5.34E-05	-1.20E-05
4.16E+02	-2.27E-04	2.48E-05	-7.55E-05
4.16E+02	-2.03E-04	2.67E-06	-9.82E-05
4.16E+02	-1.52E-04	-8.39E-06	-1.14E-04
4.16E+02	-1.08E-04	-7.25E-06	-1.05E-04
4.16E+02	-1.15E-04	-1.98E-05	-1.29E-04
4.16E+02	-1.39E-04	-6.66E-05	-1.64E-04
4.16E+02	-1.63E-04	-9.12E-05	-1.07E-04
4.16E+02	-1.91E-04	-1.04E-04	-5.25E-05
4.16E+02	-2.37E-04	-1.32E-04	-1.34E-05
4.16E+02	-3.13E-04	-1.67E-04	3.07E-05
4.16E+02	-3.34E-04	-1.98E-04	4.81E-05
4.16E+02	-3.31E-04	-2.04E-04	8.32E-05
4.16E+02	-3.52E-04	-2.31E-04	7.02E-05
4.16E+02	-3.32E-04	-2.41E-04	3.74E-05
4.16E+02	-3.00E-04	-2.04E-04	6.52E-05
4.16E+02	-2.44E-04	-1.89E-04	5.72E-05
4.16E+02	-2.00E-04	-1.70E-04	4.22E-05
4.16E+02	-2.30E-04	-1.42E-04	5.66E-05
4.16E+02	-2.33E-04	-9.37E-05	7.55E-05
4.16E+02	-2.19E-04	-1.53E-06	1.17E-04
4.16E+02	-2.57E-04	5.25E-05	8.58E-05
4.16E+02	-2.95E-04	9.00E-05	3.28E-05

4.16E+02	-2.89E-04	1.59E-04	3.40E-05
4.16E+02	-2.52E-04	2.25E-04	6.48E-06
4.16E+02	-2.17E-04	2.88E-04	-1.58E-05
4.16E+02	-2.00E-04	3.24E-04	-3.99E-05
4.16E+02	-1.47E-04	3.41E-04	-8.58E-05
4.16E+02	-6.26E-05	3.65E-04	-9.35E-05
4.16E+02	-2.52E-05	3.53E-04	-1.23E-04
4.16E+02	-1.03E-05	3.17E-04	-1.44E-04
4.16E+02	-2.48E-06	2.92E-04	-9.27E-05
4.16E+02	1.91E-07	2.58E-04	-9.16E-05
4.16E+02	-1.22E-05	2.24E-04	-1.18E-04
4.16E+02	-6.98E-05	1.95E-04	-8.34E-05
4.16E+02	-7.93E-05	1.89E-04	-3.81E-06
4.16E+02	-6.05E-05	2.19E-04	1.18E-04
4.16E+02	-8.03E-05	2.07E-04	1.71E-04
4.16E+02	-7.99E-05	1.63E-04	1.69E-04
4.16E+02	-6.54E-05	1.32E-04	2.25E-04
4.16E+02	-4.02E-05	8.11E-05	2.59E-04
4.16E+02	-4.31E-05	3.70E-05	2.63E-04
4.16E+02	-1.03E-04	-9.73E-06	2.61E-04
4.16E+02	-1.27E-04	-4.54E-05	2.45E-04
4.16E+02	-1.26E-04	-3.57E-05	2.84E-04
4.16E+02	-1.68E-04	-3.80E-05	2.90E-04
4.16E+02	-2.04E-04	-3.70E-05	2.47E-04
4.16E+02	-2.04E-04	-9.16E-06	2.57E-04
4.16E+02	-1.85E-04	1.79E-05	2.32E-04
4.16E+02	-1.76E-04	3.64E-05	1.53E-04
4.16E+02	-2.07E-04	4.04E-05	8.26E-05
4.16E+02	-2.00E-04	7.08E-05	3.41E-05
4.16E+02	-1.87E-04	1.15E-04	1.85E-05
4.16E+02	-2.23E-04	1.24E-04	-4.20E-05
4.16E+02	-2.20E-04	1.18E-04	-1.17E-04
4.16E+02	-2.08E-04	1.18E-04	-1.03E-04
4.16E+02	-1.75E-04	1.19E-04	-7.61E-05
4.16E+02	-1.31E-04	1.09E-04	-5.44E-05
4.16E+02	-1.52E-04	8.37E-05	-5.53E-06
4.16E+02	-1.43E-04	6.35E-05	2.42E-05
4.16E+02	-1.07E-04	6.08E-05	5.74E-05
4.16E+02	-1.26E-04	4.02E-05	6.41E-05
4.16E+02	-1.44E-04	6.87E-06	5.21E-05
4.16E+02	-1.30E-04	1.72E-06	1.26E-04
4.16E+02	-9.71E-05	3.05E-06	1.78E-04
4.16E+02	-7.21E-05	1.14E-06	1.36E-04
4.16E+02	-8.68E-05	1.14E-05	1.30E-04
4.16E+02	-8.70E-05	3.34E-05	1.58E-04
4.16E+02	-6.89E-05	6.45E-05	1.87E-04
4.16E+02	-8.30E-05	7.59E-05	1.79E-04

4.16E+02	-1.10E-04	4.12E-05	1.02E-04
4.16E+02	-1.14E-04	9.73E-06	8.14E-05
4.16E+02	-9.17E-05	3.81E-07	9.67E-05
4.16E+02	-7.02E-05	-2.25E-05	8.47E-05
4.16E+02	-7.74E-05	-5.70E-05	7.90E-05
4.16E+02	-5.17E-05	-8.30E-05	5.72E-05
4.16E+02	3.20E-05	-7.55E-05	5.74E-05
4.16E+02	8.26E-05	-5.78E-05	3.76E-05
4.16E+02	1.15E-04	-3.76E-05	-1.45E-05
4.16E+02	1.51E-04	1.24E-05	6.87E-06
4.16E+02	1.82E-04	5.42E-05	1.53E-05
4.16E+02	2.09E-04	8.22E-05	-1.28E-05
4.16E+02	1.77E-04	1.13E-04	1.26E-05
4.16E+02	1.58E-04	1.44E-04	6.47E-05
4.16E+02	1.74E-04	2.00E-04	1.46E-04
4.16E+02	1.34E-04	2.33E-04	1.83E-04
4.16E+02	9.35E-05	2.26E-04	1.35E-04
4.16E+02	8.74E-05	2.39E-04	1.27E-04
4.16E+02	9.46E-05	2.56E-04	1.27E-04
4.16E+02	1.01E-04	2.58E-04	9.65E-05
4.16E+02	5.74E-05	2.48E-04	8.13E-05
4.16E+02	2.77E-05	2.25E-04	6.01E-05
4.16E+02	4.73E-05	2.24E-04	6.69E-05
4.16E+02	1.39E-05	1.96E-04	5.47E-05
4.16E+02	-3.62E-05	1.41E-04	2.86E-06
4.16E+02	-4.75E-05	1.18E-04	4.27E-05
4.16E+02	-5.44E-05	8.43E-05	8.87E-05
4.16E+02	-5.46E-05	3.03E-05	5.02E-05
4.16E+02	-7.19E-05	-2.59E-05	2.37E-05
4.16E+02	-6.89E-05	-7.99E-05	1.47E-05
4.16E+02	-1.49E-05	-1.03E-04	4.10E-05
4.16E+02	1.68E-05	-1.36E-04	6.94E-05
4.16E+02	4.25E-05	-1.85E-04	3.72E-05
4.16E+02	9.27E-05	-1.99E-04	6.45E-05
4.16E+02	1.47E-04	-1.98E-04	1.24E-04
4.16E+02	1.91E-04	-1.89E-04	1.26E-04
4.16E+02	1.79E-04	-1.77E-04	1.34E-04
4.16E+02	1.58E-04	-1.70E-04	1.41E-04
4.16E+02	1.63E-04	-1.36E-04	1.46E-04
4.16E+02	1.41E-04	-1.07E-04	1.39E-04
4.16E+02	1.16E-04	-8.98E-05	1.08E-04
4.16E+02	1.08E-04	-5.91E-05	1.27E-04
4.16E+02	1.20E-04	-3.11E-05	1.49E-04
4.16E+02	1.59E-04	9.54E-07	1.04E-04
4.16E+02	1.68E-04	3.17E-05	6.31E-05
4.16E+02	1.73E-04	6.81E-05	4.71E-05
4.16E+02	2.20E-04	1.27E-04	5.82E-05

4.16E+02	2.38E-04	1.64E-04	6.90E-05
4.16E+02	2.27E-04	1.57E-04	1.74E-05
4.16E+02	2.27E-04	1.52E-04	7.63E-06
4.16E+02	2.30E-04	1.57E-04	5.47E-05
4.16E+02	2.36E-04	1.57E-04	6.31E-05
4.16E+02	2.08E-04	1.51E-04	7.84E-05
4.16E+02	1.61E-04	1.34E-04	8.93E-05
4.16E+02	1.69E-04	1.27E-04	7.78E-05
4.16E+02	1.58E-04	1.06E-04	6.94E-05
4.16E+02	1.14E-04	5.66E-05	1.20E-05
4.16E+02	9.42E-05	1.30E-05	-2.80E-05
4.16E+02	8.37E-05	-3.22E-05	-5.80E-05
4.16E+02	9.94E-05	-8.53E-05	-1.43E-04
4.16E+02	6.90E-05	-1.37E-04	-1.55E-04
4.16E+02	6.68E-06	-1.73E-04	-1.13E-04
4.16E+02	3.81E-06	-1.62E-04	-5.11E-05
4.16E+02	-3.03E-05	-1.37E-04	8.96E-06
4.16E+02	-8.53E-05	-1.30E-04	-3.38E-05
4.16E+02	-9.59E-05	-1.04E-04	-4.08E-05
4.16E+02	-8.91E-05	-6.18E-05	1.26E-05
4.17E+02	-7.40E-05	-1.79E-05	2.14E-05
4.17E+02	-1.04E-04	2.35E-05	4.88E-05
4.17E+02	-1.50E-04	5.40E-05	9.99E-05
4.17E+02	-1.45E-04	9.33E-05	1.68E-04
4.17E+02	-1.61E-04	1.14E-04	2.20E-04
4.17E+02	-2.15E-04	1.02E-04	1.77E-04
4.17E+02	-2.50E-04	1.01E-04	1.45E-04
4.17E+02	-2.58E-04	1.16E-04	1.43E-04
4.17E+02	-2.33E-04	1.24E-04	7.69E-05
4.17E+02	-2.19E-04	1.18E-04	2.06E-05
4.17E+02	-2.00E-04	1.21E-04	-3.24E-06
4.17E+02	-1.23E-04	1.44E-04	3.62E-06
4.17E+02	-6.08E-05	1.59E-04	4.20E-05
4.17E+02	-2.21E-05	1.33E-04	2.65E-05
4.17E+02	3.41E-05	1.01E-04	2.86E-05
4.17E+02	9.27E-05	1.02E-04	6.66E-05
4.17E+02	1.49E-04	1.09E-04	4.22E-05
4.17E+02	1.61E-04	1.26E-04	1.39E-05
4.17E+02	1.41E-04	1.54E-04	-1.58E-05
4.17E+02	1.54E-04	2.00E-04	-5.72E-05
4.17E+02	1.53E-04	2.54E-04	-6.01E-05
4.17E+02	1.28E-04	2.73E-04	-7.97E-05
4.17E+02	1.19E-04	2.85E-04	-6.26E-05
4.17E+02	1.30E-04	3.01E-04	3.24E-06
4.17E+02	1.61E-04	2.94E-04	7.06E-06
4.17E+02	1.66E-04	2.85E-04	2.00E-05
4.17E+02	1.60E-04	2.76E-04	4.43E-05

4.17E+02	1.79E-04	2.78E-04	3.85E-05
4.17E+02	1.86E-04	2.97E-04	4.60E-05
4.17E+02	1.86E-04	2.88E-04	-1.91E-06
4.17E+02	1.91E-04	2.49E-04	-4.31E-05
4.17E+02	2.12E-04	2.17E-04	-4.58E-06
4.17E+02	2.47E-04	1.86E-04	1.75E-05
4.17E+02	2.59E-04	1.50E-04	2.63E-05
4.17E+02	2.49E-04	1.14E-04	1.45E-05
4.17E+02	2.74E-04	1.12E-04	-2.23E-05
4.17E+02	2.95E-04	1.34E-04	-5.25E-05
4.17E+02	2.63E-04	1.42E-04	-1.31E-04
4.17E+02	2.48E-04	1.68E-04	-1.87E-04
4.17E+02	2.46E-04	2.12E-04	-1.77E-04
4.17E+02	2.58E-04	2.41E-04	-1.92E-04
4.17E+02	2.56E-04	2.44E-04	-1.73E-04
4.17E+02	2.08E-04	2.33E-04	-1.04E-04
4.17E+02	2.02E-04	2.36E-04	-3.91E-05
4.17E+02	1.90E-04	2.37E-04	1.68E-05
4.17E+02	1.40E-04	2.16E-04	1.72E-06
4.17E+02	1.09E-04	1.76E-04	-2.75E-05
4.17E+02	9.65E-05	1.46E-04	8.77E-06
4.17E+02	1.09E-04	1.39E-04	3.53E-05
4.17E+02	1.02E-04	1.27E-04	3.47E-05
4.17E+02	7.69E-05	9.99E-05	2.35E-05
4.17E+02	1.10E-04	7.17E-05	2.35E-05
4.17E+02	1.65E-04	4.31E-05	5.42E-05
4.17E+02	1.86E-04	-1.07E-05	2.17E-05
4.17E+02	2.05E-04	-6.85E-05	-2.65E-05
4.17E+02	2.24E-04	-1.12E-04	-8.58E-06
4.17E+02	2.46E-04	-1.58E-04	-4.31E-05
4.17E+02	2.37E-04	-2.06E-04	-9.02E-05
4.17E+02	1.68E-04	-2.51E-04	-7.55E-05
4.17E+02	1.35E-04	-2.55E-04	-4.06E-05
4.17E+02	1.11E-04	-2.16E-04	2.84E-05
4.17E+02	4.04E-05	-1.96E-04	3.24E-05
4.17E+02	1.09E-05	-1.77E-04	-8.58E-06
4.17E+02	8.77E-06	-1.39E-04	7.63E-06
4.17E+02	2.77E-05	-1.17E-04	-1.85E-05
4.17E+02	4.35E-05	-9.71E-05	-6.79E-05
4.17E+02	1.83E-05	-8.37E-05	-1.03E-04
4.17E+02	5.36E-05	-6.77E-05	-1.45E-04
4.17E+02	1.13E-04	-3.74E-05	-1.39E-04
4.17E+02	1.12E-04	-3.66E-05	-1.49E-04
4.17E+02	1.17E-04	-2.84E-05	-1.61E-04
4.17E+02	1.42E-04	2.04E-05	-1.04E-04
4.17E+02	1.74E-04	6.35E-05	-1.03E-04
4.17E+02	1.98E-04	7.90E-05	-1.55E-04

4.17E+02	1.92E-04	8.05E-05	-1.78E-04
4.17E+02	2.16E-04	1.04E-04	-1.67E-04
4.17E+02	2.53E-04	1.40E-04	-1.09E-04
4.17E+02	2.46E-04	1.37E-04	-1.21E-04
4.17E+02	2.53E-04	1.11E-04	-1.73E-04
4.17E+02	2.75E-04	9.27E-05	-1.33E-04
4.17E+02	2.96E-04	8.79E-05	-1.05E-04
4.17E+02	3.03E-04	7.80E-05	-9.37E-05
4.17E+02	2.51E-04	3.89E-05	-7.25E-05
4.17E+02	2.25E-04	1.14E-05	-7.00E-05
4.17E+02	2.15E-04	-7.63E-06	-5.21E-05
4.17E+02	1.57E-04	-5.53E-05	-8.89E-05
4.17E+02	1.26E-04	-8.32E-05	-1.30E-04
4.17E+02	1.08E-04	-8.75E-05	-8.75E-05
4.17E+02	1.04E-04	-1.00E-04	-7.46E-05
4.17E+02	1.05E-04	-9.23E-05	-8.95E-05
4.17E+02	4.67E-05	-8.66E-05	-6.69E-05
4.17E+02	2.57E-05	-8.49E-05	-2.98E-05
4.17E+02	3.87E-05	-5.00E-05	2.73E-05
4.17E+02	1.81E-05	-5.09E-05	2.52E-05
4.17E+02	2.65E-05	-7.55E-05	-4.12E-05
4.17E+02	6.20E-05	-6.48E-05	-4.77E-05
4.17E+02	1.18E-04	-5.34E-05	-5.47E-05
4.17E+02	1.63E-04	-4.98E-05	-1.08E-04
4.17E+02	1.53E-04	-6.26E-05	-1.57E-04
4.17E+02	1.70E-04	-8.75E-05	-2.25E-04
4.17E+02	2.01E-04	-9.08E-05	-2.56E-04
4.17E+02	1.87E-04	-9.17E-05	-2.63E-04
4.17E+02	1.56E-04	-1.08E-04	-3.07E-04
4.17E+02	1.22E-04	-1.02E-04	-2.81E-04
4.17E+02	1.12E-04	-8.30E-05	-2.41E-04
4.17E+02	1.06E-04	-7.59E-05	-2.32E-04
4.17E+02	5.38E-05	-6.52E-05	-1.76E-04
4.17E+02	2.08E-05	-3.17E-05	-1.17E-04
4.17E+02	3.05E-05	3.66E-05	-3.99E-05
4.17E+02	4.96E-06	7.23E-05	-1.54E-05
4.17E+02	-1.51E-05	7.50E-05	-7.34E-05
4.17E+02	2.86E-06	1.13E-04	-4.50E-05
4.17E+02	3.22E-05	1.45E-04	2.48E-06
4.17E+02	6.18E-05	1.44E-04	8.01E-06
4.17E+02	4.63E-05	1.21E-04	3.11E-05
4.17E+02	5.02E-05	7.90E-05	2.27E-05
4.17E+02	1.10E-04	4.60E-05	2.75E-05
4.17E+02	1.38E-04	2.29E-06	2.19E-05
4.17E+02	1.58E-04	-5.97E-05	-4.63E-05
4.17E+02	1.95E-04	-9.00E-05	-6.18E-05
4.17E+02	2.34E-04	-1.06E-04	-8.16E-05

4.17E+02	2.70E-04	-1.36E-04	-1.55E-04
4.17E+02	2.47E-04	-1.77E-04	-1.78E-04
4.17E+02	2.16E-04	-2.20E-04	-1.62E-04
4.17E+02	2.13E-04	-2.41E-04	-1.12E-04
4.17E+02	1.62E-04	-2.74E-04	-7.92E-05
4.17E+02	1.05E-04	-3.30E-04	-9.61E-05
4.17E+02	8.79E-05	-3.60E-04	-5.23E-05
4.17E+02	9.40E-05	-3.77E-04	3.81E-06
4.17E+02	1.26E-04	-3.81E-04	3.60E-05
4.17E+02	1.31E-04	-3.85E-04	6.98E-05
4.17E+02	1.44E-04	-4.01E-04	5.30E-05
4.17E+02	2.22E-04	-3.75E-04	5.28E-05
4.17E+02	2.40E-04	-3.89E-04	2.10E-05
4.17E+02	2.31E-04	-4.31E-04	-6.45E-05
4.17E+02	2.57E-04	-4.18E-04	-5.63E-05
4.17E+02	2.53E-04	-4.30E-04	-7.46E-05
4.17E+02	2.44E-04	-4.56E-04	-1.73E-04
4.17E+02	1.93E-04	-4.64E-04	-2.20E-04
4.17E+02	1.33E-04	-4.51E-04	-2.24E-04
4.17E+02	1.34E-04	-3.87E-04	-1.82E-04
4.17E+02	1.02E-04	-3.40E-04	-1.46E-04
4.17E+02	5.44E-05	-3.32E-04	-1.94E-04
4.17E+02	3.28E-05	-3.13E-04	-2.09E-04
4.17E+02	2.38E-05	-2.93E-04	-1.93E-04
4.17E+02	2.90E-05	-2.82E-04	-2.14E-04
4.17E+02	-1.58E-05	-2.72E-04	-2.11E-04
4.17E+02	-7.11E-05	-2.71E-04	-2.19E-04
4.17E+02	-6.31E-05	-2.49E-04	-1.96E-04
4.17E+02	-8.34E-05	-2.32E-04	-1.25E-04
4.17E+02	-1.18E-04	-2.37E-04	-9.94E-05
4.17E+02	-1.02E-04	-2.09E-04	-3.17E-05
4.17E+02	-7.57E-05	-1.89E-04	1.03E-05
4.17E+02	-2.04E-05	-1.83E-04	-4.83E-05
4.17E+02	1.66E-05	-1.61E-04	-6.12E-05
4.17E+02	3.45E-05	-1.36E-04	-5.34E-05
4.17E+02	1.11E-04	-8.96E-05	-4.63E-05
4.17E+02	1.51E-04	-4.90E-05	-4.79E-05
4.17E+02	1.49E-04	-5.00E-05	-1.29E-04
4.17E+02	1.63E-04	-5.36E-05	-1.77E-04
4.17E+02	1.74E-04	-4.54E-05	-1.63E-04
4.17E+02	1.87E-04	-4.62E-05	-1.71E-04
4.17E+02	1.54E-04	-5.57E-05	-1.59E-04
4.17E+02	9.86E-05	-6.87E-05	-1.43E-04
4.17E+02	1.06E-04	-5.36E-05	-1.34E-04
4.17E+02	1.14E-04	-3.19E-05	-9.54E-05
4.17E+02	9.52E-05	-5.66E-05	-8.37E-05
4.17E+02	8.03E-05	-6.41E-05	-3.95E-05

4.17E+02	6.69E-05	-4.29E-05	2.71E-05
4.17E+02	7.61E-05	-4.20E-05	9.16E-06
4.17E+02	5.51E-05	-4.48E-05	-9.92E-06
4.17E+02	9.54E-06	-4.67E-05	-1.16E-05
4.17E+02	5.72E-06	-2.77E-05	3.43E-06
4.17E+02	-2.48E-05	-1.18E-05	2.25E-05
4.17E+02	-8.07E-05	-4.08E-05	-4.01E-05
4.17E+02	-1.02E-04	-7.25E-05	-8.14E-05
4.17E+02	-1.09E-04	-1.07E-04	-6.62E-05
4.17E+02	-9.99E-05	-1.48E-04	-8.45E-05
4.17E+02	-1.22E-04	-1.80E-04	-1.11E-04
4.17E+02	-1.56E-04	-2.20E-04	-1.53E-04
4.17E+02	-1.25E-04	-2.42E-04	-1.77E-04
4.17E+02	-1.08E-04	-2.52E-04	-1.48E-04
4.17E+02	-1.14E-04	-2.86E-04	-1.61E-04
4.17E+02	-8.79E-05	-2.94E-04	-1.59E-04
4.17E+02	-6.83E-05	-2.76E-04	-1.13E-04
4.17E+02	-2.86E-05	-2.63E-04	-1.24E-04
4.17E+02	-2.19E-05	-2.45E-04	-1.46E-04
4.17E+02	-3.91E-05	-2.19E-04	-1.38E-04
4.17E+02	2.67E-05	-1.55E-04	-1.05E-04
4.17E+02	6.64E-05	-8.64E-05	-8.11E-05
4.17E+02	6.75E-05	-6.48E-05	-1.04E-04
4.17E+02	1.08E-04	-4.01E-05	-9.88E-05
4.17E+02	1.47E-04	2.86E-06	-6.37E-05
4.17E+02	1.87E-04	3.60E-05	-4.65E-05
4.17E+02	1.81E-04	5.82E-05	-1.79E-05
4.17E+02	1.27E-04	6.52E-05	-1.56E-05
4.17E+02	1.13E-04	7.69E-05	-3.93E-05
4.17E+02	9.84E-05	9.86E-05	-4.44E-05
4.17E+02	5.23E-05	1.02E-04	-6.35E-05
4.17E+02	2.54E-05	1.09E-04	-3.91E-05
4.18E+02	2.46E-05	1.36E-04	3.11E-05
4.18E+02	4.27E-05	1.40E-04	2.52E-05
4.18E+02	3.57E-05	1.17E-04	-1.05E-05
4.18E+02	1.53E-05	9.40E-05	-2.84E-05
4.18E+02	3.41E-05	7.36E-05	-5.93E-05
4.18E+02	3.93E-05	5.51E-05	-8.26E-05
4.18E+02	2.84E-05	9.16E-06	-1.59E-04
4.18E+02	3.41E-05	-4.37E-05	-2.27E-04
4.18E+02	5.02E-05	-7.44E-05	-1.89E-04
4.18E+02	8.83E-05	-9.88E-05	-1.46E-04
4.18E+02	9.96E-05	-1.22E-04	-1.01E-04
4.18E+02	7.42E-05	-1.53E-04	-5.82E-05
4.18E+02	8.68E-05	-1.62E-04	-3.66E-05
4.18E+02	1.01E-04	-1.47E-04	-7.63E-07
4.18E+02	7.69E-05	-1.47E-04	-1.60E-05

4.18E+02	7.57E-05	-1.30E-04	-2.02E-05
4.18E+02	9.67E-05	-9.67E-05	3.95E-05
4.18E+02	1.40E-04	-6.50E-05	6.22E-05
4.18E+02	1.69E-04	-3.55E-05	7.61E-05
4.18E+02	1.49E-04	-2.48E-05	9.65E-05
4.18E+02	1.68E-04	1.30E-05	1.32E-04
4.18E+02	1.83E-04	6.24E-05	1.77E-04
4.18E+02	1.49E-04	6.94E-05	1.30E-04
4.18E+02	1.44E-04	7.93E-05	8.54E-05
4.18E+02	1.55E-04	1.16E-04	1.23E-04
4.18E+02	1.76E-04	1.58E-04	1.40E-04
4.18E+02	1.79E-04	1.90E-04	1.50E-04
4.18E+02	1.57E-04	1.83E-04	1.46E-04
4.18E+02	1.99E-04	1.61E-04	1.09E-04
4.18E+02	2.56E-04	1.48E-04	8.30E-05
4.18E+02	2.65E-04	9.59E-05	1.62E-05
4.18E+02	2.78E-04	4.37E-05	-3.15E-05
4.18E+02	2.87E-04	2.71E-05	-7.63E-06
4.18E+02	2.97E-04	-6.68E-06	-4.65E-05
4.18E+02	2.90E-04	-4.60E-05	-1.07E-04
4.18E+02	2.36E-04	-7.95E-05	-9.94E-05
4.18E+02	2.04E-04	-9.14E-05	-4.48E-05
4.18E+02	1.74E-04	-8.13E-05	2.38E-05
4.18E+02	1.05E-04	-1.01E-04	1.96E-05
4.18E+02	5.09E-05	-1.24E-04	-2.10E-05
4.18E+02	3.36E-05	-1.28E-04	-4.58E-06
4.18E+02	4.71E-05	-1.35E-04	2.63E-05
4.18E+02	5.05E-05	-1.37E-04	5.26E-05
4.18E+02	2.90E-05	-1.45E-04	6.71E-05
4.18E+02	4.31E-05	-1.45E-04	5.65E-05
4.18E+02	6.87E-05	-1.20E-04	6.26E-05
4.18E+02	6.50E-05	-1.12E-04	4.43E-05
4.18E+02	7.59E-05	-9.77E-05	4.02E-05
4.18E+02	1.06E-04	-5.46E-05	1.20E-04
4.18E+02	1.58E-04	-1.89E-05	1.59E-04
4.18E+02	1.95E-04	1.03E-05	1.65E-04
4.18E+02	1.82E-04	2.27E-05	1.92E-04
4.18E+02	2.08E-04	4.69E-05	2.11E-04
4.18E+02	2.24E-04	7.88E-05	2.30E-04
4.18E+02	1.80E-04	6.85E-05	1.68E-04
4.18E+02	1.70E-04	5.15E-05	8.20E-05
4.18E+02	1.61E-04	4.54E-05	8.20E-05
4.18E+02	1.51E-04	3.91E-05	9.69E-05
4.18E+02	1.44E-04	2.90E-05	1.15E-04
4.18E+02	8.51E-05	-4.58E-06	1.33E-04
4.18E+02	5.76E-05	-3.76E-05	1.29E-04
4.18E+02	5.51E-05	-5.30E-05	1.41E-04

4.18E+02	1.07E-05	-8.85E-05	1.23E-04
4.18E+02	-1.34E-05	-1.26E-04	8.85E-05
4.18E+02	-1.53E-05	-1.33E-04	1.34E-04
4.18E+02	-7.63E-07	-1.41E-04	1.75E-04
4.18E+02	2.67E-05	-1.45E-04	1.66E-04
4.18E+02	1.56E-05	-1.47E-04	1.77E-04
4.18E+02	3.07E-05	-1.37E-04	1.79E-04
4.18E+02	7.67E-05	-9.57E-05	1.73E-04
4.18E+02	7.04E-05	-1.03E-04	1.15E-04
4.18E+02	6.45E-05	-1.32E-04	1.72E-05
4.18E+02	8.39E-05	-1.31E-04	9.54E-06
4.18E+02	1.03E-04	-1.43E-04	1.14E-06
4.18E+02	1.18E-04	-1.45E-04	-3.43E-05
4.18E+02	9.37E-05	-1.44E-04	-2.00E-05
4.18E+02	1.03E-04	-1.39E-04	5.53E-06
4.18E+02	1.47E-04	-1.17E-04	3.97E-05
4.18E+02	1.31E-04	-1.29E-04	1.13E-05
4.18E+02	1.23E-04	-1.38E-04	-4.71E-05
4.18E+02	1.27E-04	-1.08E-04	-2.31E-05
4.18E+02	1.40E-04	-8.79E-05	-2.06E-05
4.18E+02	1.65E-04	-6.24E-05	-3.17E-05
4.18E+02	1.26E-04	-1.47E-05	4.20E-06
4.18E+02	1.07E-04	4.46E-05	3.85E-05
4.18E+02	1.13E-04	1.17E-04	9.71E-05
4.18E+02	6.77E-05	1.53E-04	9.38E-05
4.18E+02	3.34E-05	1.45E-04	3.07E-05
4.18E+02	1.72E-05	1.37E-04	4.62E-05
4.18E+02	1.93E-05	1.19E-04	9.35E-05
4.18E+02	2.00E-05	1.10E-04	1.43E-04
4.18E+02	-2.65E-05	1.07E-04	1.80E-04
4.18E+02	-3.07E-05	1.03E-04	1.61E-04
4.18E+02	1.64E-05	1.39E-04	1.53E-04
4.18E+02	1.75E-05	1.62E-04	1.37E-04
4.18E+02	1.14E-05	1.55E-04	6.98E-05
4.18E+02	1.83E-05	1.72E-04	5.30E-05
4.18E+02	1.24E-05	1.71E-04	5.63E-05
4.18E+02	7.06E-06	1.45E-04	9.16E-06
4.18E+02	-4.37E-05	1.25E-04	3.81E-07
4.18E+02	-9.52E-05	1.09E-04	2.90E-05
4.18E+02	-1.03E-04	1.27E-04	7.97E-05
4.18E+02	-1.53E-04	1.32E-04	1.18E-04
4.18E+02	-2.04E-04	1.05E-04	1.13E-04
4.18E+02	-2.13E-04	1.05E-04	1.56E-04
4.18E+02	-1.97E-04	1.19E-04	2.07E-04
4.18E+02	-1.54E-04	1.22E-04	2.27E-04
4.18E+02	-1.53E-04	9.94E-05	2.26E-04
4.18E+02	-1.34E-04	7.76E-05	1.83E-04

4.18E+02	-5.17E-05	9.65E-05	1.54E-04
4.18E+02	-2.42E-05	9.92E-05	9.52E-05
4.18E+02	-2.86E-06	9.56E-05	-4.01E-06
4.18E+02	4.81E-05	1.14E-04	-1.79E-05
4.18E+02	9.50E-05	1.24E-04	9.54E-07
4.18E+02	1.47E-04	1.28E-04	-3.57E-05
4.18E+02	1.42E-04	1.17E-04	-6.01E-05
4.18E+02	1.29E-04	1.17E-04	-6.03E-05
4.18E+02	1.51E-04	1.58E-04	-5.70E-05
4.18E+02	1.27E-04	1.83E-04	-7.74E-05
4.18E+02	8.75E-05	1.66E-04	-1.34E-04
4.18E+02	6.05E-05	1.69E-04	-1.24E-04
4.18E+02	4.37E-05	1.79E-04	-7.11E-05
4.18E+02	3.80E-05	1.69E-04	-4.22E-05
4.18E+02	2.48E-06	1.59E-04	5.34E-06
4.18E+02	-2.29E-05	1.34E-04	3.17E-05
4.18E+02	1.49E-05	1.47E-04	7.95E-05
4.18E+02	3.80E-05	1.67E-04	1.15E-04
4.18E+02	3.05E-05	1.57E-04	5.42E-05
4.18E+02	6.29E-05	1.97E-04	5.25E-05
4.18E+02	1.18E-04	2.39E-04	7.36E-05
4.18E+02	1.69E-04	2.58E-04	4.54E-05
4.18E+02	1.89E-04	2.62E-04	6.68E-05
4.18E+02	1.94E-04	2.44E-04	1.08E-04
4.18E+02	2.29E-04	2.55E-04	1.67E-04
4.18E+02	2.41E-04	2.51E-04	1.90E-04
4.18E+02	2.32E-04	2.16E-04	1.15E-04
4.18E+02	2.47E-04	1.96E-04	7.46E-05
4.18E+02	2.61E-04	1.73E-04	5.70E-05
4.18E+02	2.70E-04	1.34E-04	6.10E-06
4.18E+02	2.41E-04	7.57E-05	-2.96E-05
4.18E+02	1.96E-04	6.87E-06	-9.16E-05
4.18E+02	1.96E-04	-3.64E-05	-1.26E-04
4.18E+02	1.79E-04	-5.07E-05	-1.13E-04
4.18E+02	1.43E-04	-6.14E-05	-1.54E-04
4.18E+02	1.27E-04	-3.95E-05	-1.61E-04
4.18E+02	1.23E-04	1.58E-05	-1.43E-04
4.18E+02	1.42E-04	6.66E-05	-1.87E-04
4.18E+02	1.30E-04	1.10E-04	-1.99E-04
4.18E+02	1.09E-04	1.41E-04	-1.76E-04
4.18E+02	1.47E-04	1.91E-04	-1.21E-04
4.18E+02	1.44E-04	2.15E-04	-6.90E-05
4.18E+02	1.08E-04	1.71E-04	-1.02E-04
4.18E+02	1.20E-04	1.35E-04	-8.45E-05
4.18E+02	1.34E-04	9.71E-05	-2.84E-05
4.18E+02	1.49E-04	6.20E-05	-2.90E-05
4.18E+02	1.23E-04	4.58E-05	-9.73E-06

4.18E+02	6.60E-05	2.56E-05	9.73E-06
4.18E+02	6.45E-05	3.15E-05	3.55E-05
4.18E+02	4.44E-05	3.91E-05	8.72E-05
4.18E+02	5.72E-07	2.08E-05	9.40E-05
4.18E+02	-8.77E-06	4.20E-06	9.67E-05
4.18E+02	1.72E-06	-5.72E-06	1.04E-04
4.18E+02	3.07E-05	-2.52E-05	4.83E-05
4.18E+02	2.71E-05	-4.81E-05	-2.50E-05
4.18E+02	-4.39E-06	-6.07E-05	-8.41E-05
4.18E+02	3.05E-06	-4.83E-05	-1.24E-04
4.18E+02	7.06E-06	-1.03E-05	-1.40E-04
4.18E+02	-2.46E-05	-7.06E-06	-1.98E-04
4.18E+02	-4.83E-05	-1.43E-05	-2.27E-04
4.18E+02	-5.04E-05	1.41E-05	-1.74E-04
4.18E+02	-4.41E-05	3.49E-05	-1.58E-04
4.18E+02	-7.59E-05	4.16E-05	-1.72E-04
4.18E+02	-1.31E-04	4.56E-05	-1.76E-04
4.18E+02	-1.35E-04	7.72E-05	-1.82E-04
4.18E+02	-1.43E-04	1.17E-04	-1.79E-04
4.18E+02	-1.82E-04	1.21E-04	-2.08E-04
4.18E+02	-1.96E-04	1.28E-04	-2.12E-04
4.18E+02	-1.87E-04	1.42E-04	-1.79E-04
4.18E+02	-1.41E-04	1.62E-04	-2.07E-04
4.18E+02	-9.77E-05	1.77E-04	-2.24E-04
4.18E+02	-8.39E-05	1.80E-04	-1.84E-04
4.18E+02	-3.38E-05	2.17E-04	-1.21E-04
4.18E+02	1.09E-05	2.59E-04	-6.75E-05
4.18E+02	1.53E-06	2.50E-04	-8.70E-05
4.18E+02	-5.53E-06	2.19E-04	-8.18E-05
4.18E+02	-6.87E-06	1.85E-04	-2.08E-05
4.18E+02	-1.79E-05	1.52E-04	2.86E-06
4.18E+02	-5.95E-05	1.22E-04	2.08E-05
4.18E+02	-1.36E-04	1.03E-04	1.60E-05
4.18E+02	-1.64E-04	1.29E-04	1.72E-06
4.18E+02	-1.70E-04	1.71E-04	2.92E-05
4.18E+02	-2.03E-04	1.82E-04	1.34E-05
4.18E+02	-2.09E-04	2.07E-04	1.74E-05
4.18E+02	-1.93E-04	2.35E-04	7.27E-05
4.18E+02	-1.53E-04	2.29E-04	4.50E-05
4.18E+02	-1.27E-04	2.25E-04	5.53E-06
4.18E+02	-1.47E-04	1.96E-04	-1.20E-05
4.18E+02	-1.31E-04	1.77E-04	-2.82E-05
4.18E+02	-1.36E-04	1.74E-04	-2.29E-05
4.18E+02	-1.89E-04	1.16E-04	-9.69E-05
4.19E+02	-2.13E-04	7.10E-05	-1.80E-04
4.19E+02	-2.20E-04	6.12E-05	-1.86E-04
4.19E+02	-2.04E-04	5.38E-05	-2.01E-04

4.19E+02	-1.99E-04	6.66E-05	-2.14E-04
4.19E+02	-2.16E-04	7.13E-05	-2.20E-04
4.19E+02	-1.68E-04	8.62E-05	-2.12E-04
4.19E+02	-1.08E-04	1.30E-04	-1.52E-04
4.19E+02	-8.34E-05	1.49E-04	-1.42E-04
4.19E+02	-4.54E-05	1.55E-04	-1.33E-04
4.19E+02	-1.79E-05	1.83E-04	-3.97E-05
4.19E+02	9.92E-06	1.98E-04	-1.91E-07
4.19E+02	2.23E-05	2.08E-04	2.33E-05
4.19E+02	-1.41E-05	2.23E-04	9.48E-05
4.19E+02	-1.54E-05	2.59E-04	1.60E-04
4.19E+02	-2.02E-05	3.09E-04	2.22E-04
4.19E+02	-7.36E-05	3.05E-04	2.04E-04
4.19E+02	-1.01E-04	2.79E-04	1.58E-04
4.19E+02	-1.21E-04	2.50E-04	1.71E-04
4.19E+02	-1.24E-04	1.97E-04	1.43E-04
4.19E+02	-1.21E-04	1.50E-04	1.01E-04
4.19E+02	-1.62E-04	1.03E-04	7.99E-05
4.19E+02	-1.58E-04	7.82E-05	4.92E-05
4.19E+02	-1.19E-04	8.79E-05	6.07E-05
4.19E+02	-1.17E-04	8.91E-05	5.47E-05
4.19E+02	-1.04E-04	8.03E-05	3.26E-05
4.19E+02	-6.66E-05	7.63E-05	6.26E-05
4.19E+02	-2.33E-05	6.35E-05	2.96E-05
4.19E+02	-2.67E-06	3.55E-05	-4.37E-05
4.19E+02	-2.29E-05	1.13E-05	-7.76E-05
4.19E+02	-2.59E-05	1.13E-05	-9.12E-05
4.19E+02	-3.34E-05	2.04E-05	-6.01E-05
4.19E+02	-9.06E-05	1.26E-05	-7.74E-05
4.19E+02	-1.48E-04	2.10E-06	-1.08E-04
4.19E+02	-1.92E-04	1.47E-05	-4.92E-05
4.19E+02	-2.16E-04	4.25E-05	2.10E-06
4.19E+02	-2.32E-04	7.31E-05	6.20E-05
4.19E+02	-2.80E-04	9.38E-05	1.30E-04
4.19E+02	-2.78E-04	1.19E-04	1.71E-04
4.19E+02	-2.35E-04	1.60E-04	2.47E-04
4.19E+02	-2.45E-04	1.71E-04	2.74E-04
4.19E+02	-2.44E-04	1.73E-04	2.64E-04
4.19E+02	-2.37E-04	1.66E-04	2.98E-04
4.19E+02	-2.26E-04	1.20E-04	2.81E-04
4.19E+02	-1.95E-04	7.92E-05	2.42E-04
4.19E+02	-2.14E-04	2.52E-05	2.43E-04
4.19E+02	-2.05E-04	-1.35E-05	2.44E-04
4.19E+02	-1.67E-04	3.81E-07	2.48E-04
4.19E+02	-1.76E-04	-4.01E-06	1.81E-04
4.19E+02	-1.76E-04	-1.56E-05	5.00E-05
4.19E+02	-1.58E-04	9.54E-06	8.20E-06

4.19E+02	-1.18E-04	4.56E-05	-9.54E-07
4.19E+02	-8.89E-05	7.08E-05	-4.14E-05
4.19E+02	-1.17E-04	6.92E-05	-5.99E-05
4.19E+02	-1.22E-04	5.30E-05	-6.62E-05
4.19E+02	-1.03E-04	5.97E-05	-3.76E-05
4.19E+02	-1.34E-04	4.92E-05	-3.20E-05
4.19E+02	-1.68E-04	1.85E-05	-6.07E-05
4.19E+02	-1.79E-04	2.06E-05	-9.92E-06
4.19E+02	-1.75E-04	3.43E-05	3.19E-05
4.19E+02	-1.51E-04	4.58E-05	3.85E-05
4.19E+02	-1.51E-04	5.23E-05	9.73E-05
4.19E+02	-1.39E-04	6.16E-05	1.66E-04
4.19E+02	-1.08E-04	9.88E-05	2.33E-04
4.19E+02	-1.23E-04	1.13E-04	2.25E-04
4.19E+02	-1.49E-04	9.94E-05	1.50E-04
4.19E+02	-1.61E-04	1.11E-04	1.49E-04
4.19E+02	-1.61E-04	1.25E-04	1.51E-04
4.19E+02	-1.69E-04	1.32E-04	1.34E-04
4.19E+02	-2.15E-04	1.38E-04	1.44E-04
4.19E+02	-2.20E-04	1.46E-04	1.32E-04
4.19E+02	-1.88E-04	1.75E-04	1.51E-04
4.19E+02	-1.89E-04	1.83E-04	1.54E-04
4.19E+02	-1.82E-04	1.70E-04	9.63E-05
4.19E+02	-1.75E-04	1.67E-04	8.58E-05
4.19E+02	-1.62E-04	1.58E-04	5.80E-05
4.19E+02	-1.38E-04	1.35E-04	-1.60E-05
4.19E+02	-1.62E-04	1.14E-04	-3.34E-05
4.19E+02	-1.68E-04	9.96E-05	-3.80E-05
4.19E+02	-1.20E-04	1.14E-04	-1.66E-05
4.19E+02	-1.14E-04	1.13E-04	-1.70E-05
4.19E+02	-1.13E-04	7.17E-05	-8.74E-05
4.19E+02	-7.74E-05	6.10E-05	-5.02E-05
4.19E+02	-5.78E-05	3.97E-05	2.48E-06
4.19E+02	-3.72E-05	-1.72E-06	-2.35E-05
4.19E+02	-5.47E-05	-1.35E-05	-2.44E-05
4.19E+02	-9.90E-05	-3.38E-05	-5.13E-05
4.19E+02	-9.61E-05	-2.73E-05	-5.02E-05
4.19E+02	-1.25E-04	-2.42E-05	-1.83E-05
4.19E+02	-1.80E-04	-5.72E-05	-1.45E-05
4.19E+02	-1.93E-04	-6.41E-05	5.91E-05
4.19E+02	-1.93E-04	-6.75E-05	1.29E-04
4.19E+02	-1.89E-04	-7.90E-05	1.38E-04
4.19E+02	-2.22E-04	-9.33E-05	1.77E-04
4.19E+02	-2.52E-04	-9.71E-05	2.27E-04
4.19E+02	-2.37E-04	-8.18E-05	2.84E-04
4.19E+02	-2.56E-04	-9.86E-05	2.82E-04
4.19E+02	-2.79E-04	-1.36E-04	1.96E-04

4.19E+02	-2.72E-04	-1.49E-04	1.71E-04
4.19E+02	-2.41E-04	-1.35E-04	1.81E-04
4.19E+02	-2.01E-04	-1.21E-04	1.31E-04
4.19E+02	-2.22E-04	-1.27E-04	8.30E-05
4.19E+02	-2.23E-04	-1.16E-04	5.15E-05
4.19E+02	-1.67E-04	-7.13E-05	4.06E-05
4.19E+02	-1.54E-04	-3.87E-05	4.18E-05
4.19E+02	-1.47E-04	-1.89E-05	1.32E-05
4.19E+02	-1.33E-04	1.79E-05	2.65E-05
4.19E+02	-1.22E-04	4.23E-05	4.75E-05
4.19E+02	-7.72E-05	5.09E-05	-6.10E-06
4.19E+02	-7.65E-05	5.07E-05	-3.13E-05
4.19E+02	-8.22E-05	4.01E-05	-6.87E-06
4.19E+02	-3.91E-05	6.54E-05	3.28E-05
4.19E+02	-3.41E-05	9.44E-05	5.76E-05
4.19E+02	-5.36E-05	7.90E-05	9.35E-06
4.19E+02	-5.09E-05	7.31E-05	-1.91E-05
4.19E+02	-3.36E-05	7.36E-05	-4.20E-06
4.19E+02	-1.75E-05	4.86E-05	-2.67E-06
4.19E+02	-4.02E-05	2.78E-05	1.89E-05
4.19E+02	-6.96E-05	6.48E-06	3.13E-05
4.19E+02	-4.16E-05	-7.63E-07	4.98E-05
4.19E+02	-2.37E-05	-2.29E-06	8.16E-05
4.19E+02	-4.86E-05	-3.34E-05	7.69E-05
4.19E+02	-5.84E-05	-5.93E-05	1.01E-04
4.19E+02	-5.28E-05	-7.67E-05	1.17E-04
4.19E+02	-4.67E-05	-1.01E-04	5.70E-05
4.19E+02	-7.40E-05	-1.22E-04	1.14E-05
4.19E+02	-1.04E-04	-1.30E-04	8.01E-06
4.19E+02	-1.03E-04	-1.19E-04	3.32E-05
4.19E+02	-1.24E-04	-1.11E-04	6.01E-05
4.19E+02	-1.53E-04	-1.22E-04	1.64E-05
4.19E+02	-1.72E-04	-1.37E-04	-1.45E-05
4.19E+02	-1.63E-04	-1.34E-04	9.35E-06
4.19E+02	-1.22E-04	-1.17E-04	7.63E-07
4.19E+02	-1.26E-04	-1.10E-04	-1.51E-05
4.19E+02	-1.30E-04	-1.12E-04	-4.06E-05
4.19E+02	-7.69E-05	-8.03E-05	-5.15E-05
4.19E+02	-5.61E-05	-5.46E-05	-1.53E-05
4.19E+02	-6.48E-05	-6.60E-05	-2.71E-05
4.19E+02	-5.21E-05	-6.31E-05	-2.84E-05
4.19E+02	-4.41E-05	-6.22E-05	9.54E-07
4.19E+02	-1.51E-05	-6.50E-05	-2.71E-05
4.19E+02	-1.51E-05	-7.00E-05	-2.63E-05
4.19E+02	-5.25E-05	-7.63E-05	7.44E-06
4.19E+02	-1.66E-05	-3.53E-05	3.49E-05
4.19E+02	-1.14E-05	-8.58E-06	5.59E-05

4.19E+02	-6.77E-05	-4.08E-05	4.39E-06
4.19E+02	-7.59E-05	-7.06E-05	-2.65E-05
4.19E+02	-7.92E-05	-9.04E-05	9.92E-06
4.19E+02	-7.95E-05	-1.24E-04	1.75E-05
4.19E+02	-1.09E-04	-1.59E-04	1.39E-05
4.19E+02	-1.75E-04	-1.88E-04	3.24E-06
4.19E+02	-1.81E-04	-1.99E-04	1.91E-07
4.19E+02	-1.77E-04	-1.82E-04	2.92E-05
4.19E+02	-2.07E-04	-1.85E-04	3.51E-05
4.19E+02	-2.23E-04	-1.95E-04	7.36E-05
4.19E+02	-2.22E-04	-1.89E-04	1.17E-04
4.19E+02	-2.02E-04	-2.02E-04	5.38E-05
4.19E+02	-1.91E-04	-2.14E-04	-1.54E-05
4.19E+02	-2.12E-04	-2.10E-04	-4.90E-05
4.19E+02	-1.98E-04	-1.69E-04	-5.04E-05
4.19E+02	-1.83E-04	-1.21E-04	-1.05E-05
4.19E+02	-2.01E-04	-1.19E-04	-3.78E-05
4.19E+02	-1.98E-04	-1.32E-04	-5.40E-05
4.19E+02	-1.74E-04	-1.34E-04	1.14E-06
4.19E+02	-1.39E-04	-1.24E-04	1.14E-05
4.19E+02	-1.42E-04	-1.19E-04	8.96E-06
4.19E+02	-1.74E-04	-1.19E-04	1.03E-05
4.19E+02	-1.53E-04	-9.44E-05	5.53E-06
4.19E+02	-1.41E-04	-5.63E-05	5.15E-05
4.19E+02	-1.61E-04	-3.13E-05	9.00E-05
4.19E+02	-1.64E-04	-1.45E-05	1.22E-04
4.19E+02	-1.67E-04	1.72E-06	1.87E-04
4.19E+02	-1.41E-04	1.43E-05	1.97E-04
4.19E+02	-1.44E-04	-1.53E-06	1.56E-04
4.19E+02	-1.90E-04	-2.82E-05	1.18E-04
4.19E+02	-1.71E-04	-2.19E-05	1.11E-04
4.19E+02	-1.70E-04	-2.48E-05	1.31E-04
4.19E+02	-2.26E-04	-6.75E-05	7.99E-05
4.19E+02	-2.51E-04	-1.08E-04	3.11E-05
4.19E+02	-2.63E-04	-1.30E-04	4.08E-05
4.19E+02	-2.56E-04	-1.43E-04	7.82E-06
4.19E+02	-2.57E-04	-1.50E-04	-1.32E-05
4.19E+02	-2.86E-04	-1.61E-04	-1.89E-05
4.19E+02	-2.45E-04	-1.62E-04	-5.11E-05
4.19E+02	-1.83E-04	-1.51E-04	-5.28E-05
4.19E+02	-1.67E-04	-1.56E-04	-8.28E-05
4.19E+02	-1.31E-04	-1.64E-04	-1.21E-04
4.19E+02	-7.74E-05	-1.58E-04	-8.30E-05
4.19E+02	-1.98E-05	-1.68E-04	-6.47E-05
4.19E+02	1.85E-05	-2.00E-04	-8.49E-05
4.19E+02	2.37E-05	-2.14E-04	-5.86E-05
4.19E+02	5.13E-05	-2.01E-04	-4.77E-06

4.19E+02	7.36E-05	-1.68E-04	4.29E-05
4.19E+02	6.16E-05	-1.41E-04	4.60E-05
4.19E+02	6.60E-05	-1.30E-04	3.70E-05
4.19E+02	7.72E-05	-1.07E-04	7.88E-05
4.19E+02	9.04E-05	-9.38E-05	8.85E-05
4.19E+02	1.00E-04	-9.40E-05	6.68E-05
4.19E+02	6.24E-05	-1.09E-04	4.25E-05
4.19E+02	4.35E-05	-1.26E-04	9.35E-06
4.19E+02	4.12E-05	-1.11E-04	2.65E-05
4.20E+02	-5.34E-06	-1.18E-04	3.81E-06
4.20E+02	-4.01E-05	-1.31E-04	-4.01E-05
4.20E+02	-5.46E-05	-1.06E-04	4.39E-06
4.20E+02	-3.01E-05	-8.98E-05	1.30E-05
4.20E+02	4.20E-06	-9.14E-05	-1.62E-05
4.20E+02	-4.01E-06	-8.96E-05	-7.06E-06
4.20E+02	3.05E-05	-6.01E-05	-1.14E-06
4.20E+02	7.15E-05	-1.16E-05	8.20E-06
4.20E+02	6.31E-05	-9.54E-07	-1.35E-05
4.20E+02	6.71E-05	-1.43E-05	-6.07E-05
4.20E+02	7.48E-05	-1.09E-05	-3.59E-05
4.20E+02	9.65E-05	9.54E-07	1.32E-05
4.20E+02	1.08E-04	1.96E-05	3.51E-05
4.20E+02	6.52E-05	2.29E-05	5.21E-05
4.20E+02	6.35E-05	2.42E-05	3.78E-05
4.20E+02	9.31E-05	4.98E-05	1.87E-05
4.20E+02	7.67E-05	3.09E-05	-3.64E-05
4.20E+02	6.71E-05	-4.01E-06	-1.11E-04
4.20E+02	6.96E-05	-1.72E-06	-8.72E-05
4.20E+02	8.30E-05	-1.62E-05	-7.40E-05
4.20E+02	1.03E-04	-3.09E-05	-7.97E-05
4.20E+02	7.06E-05	-4.52E-05	-2.08E-05
4.20E+02	4.92E-05	-5.84E-05	3.11E-05
4.20E+02	4.43E-05	-2.77E-05	1.09E-04
4.20E+02	-1.20E-05	-9.73E-06	1.28E-04
4.20E+02	-6.14E-05	-7.44E-06	5.76E-05
4.20E+02	-8.03E-05	3.45E-05	7.34E-05
4.20E+02	-7.69E-05	8.68E-05	1.09E-04
4.20E+02	-7.38E-05	1.17E-04	1.11E-04
4.20E+02	-1.09E-04	1.23E-04	1.25E-04
4.20E+02	-1.11E-04	1.06E-04	1.13E-04
4.20E+02	-7.40E-05	8.62E-05	1.24E-04
4.20E+02	-8.16E-05	4.58E-05	1.05E-04
4.20E+02	-9.92E-05	-1.16E-05	2.08E-05
4.20E+02	-8.74E-05	-3.76E-05	-5.72E-06
4.20E+02	-5.66E-05	-4.60E-05	-1.81E-05
4.20E+02	-2.88E-05	-5.26E-05	-7.99E-05
4.20E+02	-4.27E-05	-5.55E-05	-1.17E-04

4.20E+02	-3.19E-05	-4.04E-05	-1.11E-04
4.20E+02	1.11E-05	-5.91E-06	-6.73E-05
4.20E+02	1.72E-06	-1.03E-05	-5.55E-05
4.20E+02	-4.96E-06	-5.05E-05	-1.03E-04
4.20E+02	2.04E-05	-7.71E-05	-1.08E-04
4.20E+02	4.08E-05	-9.46E-05	-9.46E-05
4.20E+02	5.55E-05	-1.18E-04	-9.59E-05
4.20E+02	3.28E-05	-1.50E-04	-6.71E-05
4.20E+02	1.53E-05	-1.89E-04	-3.09E-05
4.20E+02	3.41E-05	-2.12E-04	3.22E-05
4.20E+02	1.91E-05	-2.38E-04	9.56E-05
4.20E+02	-1.51E-05	-2.92E-04	9.17E-05
4.20E+02	-1.83E-05	-3.17E-04	1.17E-04
4.20E+02	4.01E-06	-3.10E-04	1.51E-04
4.20E+02	2.06E-05	-3.12E-04	1.15E-04
4.20E+02	6.29E-06	-3.01E-04	1.01E-04
4.20E+02	7.06E-06	-2.67E-04	1.02E-04
4.20E+02	5.55E-05	-2.08E-04	1.11E-04
4.20E+02	8.91E-05	-1.50E-04	1.03E-04
4.20E+02	9.96E-05	-1.35E-04	4.23E-05
4.20E+02	1.35E-04	-1.17E-04	3.83E-05
4.20E+02	1.79E-04	-7.48E-05	5.02E-05
4.20E+02	1.97E-04	-3.20E-05	2.84E-05
4.20E+02	1.67E-04	-5.72E-06	1.43E-05
4.20E+02	1.31E-04	9.54E-07	-3.01E-05
4.20E+02	1.22E-04	1.37E-05	-3.72E-05
4.20E+02	7.46E-05	1.30E-05	-2.99E-05
4.20E+02	2.86E-06	-1.22E-05	-8.37E-05
4.20E+02	-4.98E-05	-2.50E-05	-8.30E-05
4.20E+02	-7.40E-05	-3.49E-05	-6.79E-05
4.20E+02	-7.17E-05	-5.93E-05	-1.03E-04
4.20E+02	-1.03E-04	-8.60E-05	-9.80E-05
4.20E+02	-1.18E-04	-9.92E-05	-6.60E-05
4.20E+02	-7.55E-05	-8.07E-05	-1.13E-05
4.20E+02	-5.44E-05	-6.39E-05	3.99E-05
4.20E+02	-5.51E-05	-8.79E-05	1.26E-05
4.20E+02	-4.98E-05	-1.13E-04	2.38E-05
4.20E+02	-2.98E-05	-1.19E-04	9.75E-05
4.20E+02	-2.10E-06	-1.19E-04	1.25E-04
4.20E+02	-2.98E-05	-1.22E-04	1.37E-04
4.20E+02	-5.80E-05	-1.30E-04	1.22E-04
4.20E+02	-1.16E-05	-1.12E-04	9.96E-05
4.20E+02	1.89E-05	-9.00E-05	1.08E-04
4.20E+02	3.30E-05	-9.23E-05	7.38E-05
4.20E+02	7.21E-05	-7.00E-05	7.13E-05
4.20E+02	1.16E-04	-3.81E-05	6.85E-05
4.20E+02	1.75E-04	-2.82E-05	-2.92E-05

4.20E+02	1.81E-04	-2.42E-05	-9.37E-05
4.20E+02	1.63E-04	-1.98E-05	-1.09E-04
4.20E+02	1.97E-04	8.20E-06	-8.47E-05
4.20E+02	1.90E-04	3.19E-05	-3.36E-05
4.20E+02	1.58E-04	2.16E-05	-6.94E-05
4.20E+02	1.45E-04	1.07E-05	-1.01E-04
4.20E+02	1.42E-04	1.91E-07	-8.39E-05
4.20E+02	1.48E-04	-2.14E-05	-9.12E-05
4.20E+02	1.02E-04	-5.25E-05	-7.04E-05
4.20E+02	5.87E-05	-8.49E-05	-5.53E-05
4.20E+02	8.01E-05	-9.00E-05	-5.32E-05
4.20E+02	8.03E-05	-8.30E-05	-2.86E-05
4.20E+02	7.46E-05	-8.37E-05	-4.79E-05
4.20E+02	9.86E-05	-6.16E-05	-2.78E-05
4.20E+02	1.33E-04	-3.28E-05	2.40E-05
4.20E+02	1.87E-04	-1.93E-05	2.29E-06
4.20E+02	1.94E-04	-2.02E-05	3.43E-06
4.20E+02	1.72E-04	-3.85E-05	2.31E-05
4.20E+02	1.91E-04	-3.55E-05	3.97E-05
4.20E+02	1.55E-04	-4.58E-05	5.28E-05
4.20E+02	9.21E-05	-1.02E-04	-7.82E-06
4.20E+02	6.62E-05	-1.47E-04	-4.27E-05
4.20E+02	3.28E-05	-1.79E-04	-2.46E-05
4.20E+02	1.79E-05	-2.11E-04	-3.70E-05
4.20E+02	-1.39E-05	-2.28E-04	-3.99E-05
4.20E+02	-5.80E-05	-2.42E-04	-4.10E-05
4.20E+02	-3.11E-05	-2.27E-04	-4.23E-05
4.20E+02	-5.34E-06	-1.89E-04	-1.70E-05
4.20E+02	-3.43E-06	-1.75E-04	-2.69E-05
4.20E+02	3.74E-05	-1.48E-04	-7.82E-06
4.20E+02	8.91E-05	-1.16E-04	5.25E-05
4.20E+02	1.55E-04	-1.09E-04	5.11E-05
4.20E+02	1.99E-04	-1.06E-04	6.68E-05
4.20E+02	2.00E-04	-1.00E-04	1.08E-04
4.20E+02	2.36E-04	-5.86E-05	1.37E-04
4.20E+02	2.46E-04	-1.09E-05	1.52E-04
4.20E+02	2.16E-04	1.91E-06	8.77E-05
4.20E+02	1.99E-04	8.58E-06	2.27E-05
4.20E+02	1.91E-04	2.92E-05	1.74E-05
4.20E+02	2.03E-04	6.07E-05	1.83E-05
4.20E+02	1.86E-04	7.55E-05	1.89E-05
4.20E+02	1.43E-04	6.87E-05	-1.34E-06
4.20E+02	1.37E-04	6.24E-05	-2.25E-05
4.20E+02	1.29E-04	4.71E-05	-2.80E-05
4.20E+02	8.62E-05	6.68E-06	-8.03E-05
4.20E+02	4.83E-05	-3.03E-05	-1.09E-04
4.20E+02	3.19E-05	-5.53E-05	-7.76E-05

4.20E+02	3.85E-05	-9.21E-05	-8.18E-05
4.20E+02	2.75E-05	-1.35E-04	-7.23E-05
4.20E+02	-7.44E-06	-1.71E-04	-2.21E-05
4.20E+02	-4.39E-06	-1.83E-04	3.91E-05
4.20E+02	-6.48E-06	-1.86E-04	9.00E-05
4.20E+02	-3.91E-05	-2.24E-04	3.51E-05
4.20E+02	-4.43E-05	-2.64E-04	-2.57E-05
4.20E+02	-2.27E-05	-2.73E-04	7.06E-06
4.20E+02	1.09E-05	-2.91E-04	4.20E-06
4.20E+02	1.22E-05	-3.00E-04	-7.25E-06
4.20E+02	-2.42E-05	-2.88E-04	3.05E-06
4.20E+02	-2.50E-05	-2.66E-04	-3.30E-05
4.20E+02	-1.34E-05	-2.06E-04	-4.14E-05
4.20E+02	-2.29E-05	-1.70E-04	-6.90E-05
4.20E+02	-1.79E-05	-1.53E-04	-1.13E-04
4.20E+02	3.05E-06	-1.08E-04	-6.39E-05
4.20E+02	3.11E-05	-1.01E-04	-3.55E-05
4.20E+02	3.22E-05	-1.11E-04	-2.88E-05
4.20E+02	7.06E-06	-1.19E-04	9.54E-07
4.20E+02	2.88E-05	-1.16E-04	7.06E-06
4.20E+02	5.23E-05	-9.44E-05	1.18E-05
4.20E+02	2.21E-05	-1.12E-04	-3.41E-05
4.20E+02	3.62E-06	-1.21E-04	-7.65E-05
4.20E+02	6.29E-06	-9.78E-05	-6.43E-05
4.20E+02	1.96E-05	-7.17E-05	-6.90E-05
4.20E+02	5.91E-06	-4.33E-05	-6.54E-05
4.20E+02	-5.66E-05	-4.79E-05	-6.26E-05
4.20E+02	-6.62E-05	-3.66E-05	-4.69E-05
4.20E+02	-6.92E-05	-1.16E-05	-7.25E-06
4.20E+02	-1.21E-04	-2.48E-05	-2.54E-05
4.20E+02	-1.35E-04	-8.20E-06	-4.54E-05
4.20E+02	-1.31E-04	2.90E-05	-2.42E-05
4.20E+02	-1.10E-04	4.69E-05	-5.11E-05
4.20E+02	-8.93E-05	6.08E-05	-9.04E-05
4.20E+02	-1.16E-04	5.99E-05	-8.22E-05
4.20E+02	-1.05E-04	7.63E-05	-4.63E-05
4.20E+02	-7.90E-05	1.11E-04	-5.72E-07
4.20E+02	-9.69E-05	1.05E-04	-3.17E-05
4.20E+02	-9.04E-05	8.32E-05	-1.03E-04
4.20E+02	-6.39E-05	8.66E-05	-1.01E-04
4.20E+02	-3.99E-05	9.54E-05	-8.28E-05
4.20E+02	-3.78E-05	9.77E-05	-6.85E-05
4.20E+02	-7.31E-05	8.54E-05	-3.76E-05
4.20E+02	-7.38E-05	8.01E-05	-1.09E-05
4.20E+02	-5.23E-05	9.06E-05	2.90E-05
4.20E+02	-6.89E-05	7.10E-05	1.56E-05
4.20E+02	-7.15E-05	4.12E-05	-5.15E-05

4.20E+02	-3.68E-05	3.93E-05	-7.34E-05
4.20E+02	1.77E-05	3.93E-05	-1.24E-04
4.20E+02	6.98E-05	2.78E-05	-1.84E-04
4.20E+02	7.95E-05	4.01E-06	-1.68E-04
4.20E+02	1.08E-04	-6.48E-06	-1.30E-04
4.20E+02	1.47E-04	6.10E-06	-6.39E-05
4.20E+02	1.20E-04	-1.35E-05	-5.15E-05
4.20E+02	8.75E-05	-4.44E-05	-8.56E-05
4.20E+02	7.04E-05	-3.19E-05	-3.07E-05
4.20E+02	5.36E-05	-3.81E-06	1.77E-05
4.20E+02	2.92E-05	2.82E-05	3.36E-05
4.20E+02	-3.47E-05	5.66E-05	5.53E-05
4.20E+02	-5.76E-05	7.11E-05	4.06E-05
4.20E+02	-3.74E-05	9.86E-05	2.88E-05
4.20E+02	-4.41E-05	1.04E-04	-5.34E-06
4.20E+02	-2.57E-05	8.68E-05	-5.55E-05
4.20E+02	1.41E-05	8.30E-05	-4.50E-05
4.20E+02	6.45E-05	5.47E-05	-4.90E-05
4.20E+02	1.10E-04	8.77E-06	-8.32E-05
4.20E+02	9.08E-05	-3.47E-05	-7.65E-05
4.20E+02	8.87E-05	-5.34E-05	-5.65E-05
4.21E+02	1.06E-04	-3.24E-05	-4.67E-05
4.21E+02	7.13E-05	-2.69E-05	-1.04E-04
4.21E+02	3.93E-05	-2.75E-05	-1.90E-04
4.21E+02	3.26E-05	1.34E-06	-1.68E-04
4.21E+02	6.01E-05	3.41E-05	-1.11E-04
4.21E+02	9.57E-05	6.92E-05	-6.47E-05
4.21E+02	8.16E-05	1.02E-04	-8.01E-06
4.21E+02	8.96E-05	1.32E-04	-6.68E-06
4.21E+02	1.33E-04	1.77E-04	4.39E-06
4.21E+02	1.36E-04	1.87E-04	-4.77E-06
4.21E+02	1.17E-04	1.60E-04	-8.79E-05
4.21E+02	1.13E-04	1.62E-04	-9.38E-05
4.21E+02	1.27E-04	1.64E-04	-8.37E-05
4.21E+02	1.20E-04	1.30E-04	-1.20E-04
4.21E+02	6.16E-05	9.21E-05	-9.48E-05
4.21E+02	2.96E-05	8.14E-05	-4.33E-05
4.21E+02	3.32E-05	9.65E-05	1.01E-05
4.21E+02	1.43E-05	8.96E-05	-7.82E-06
4.21E+02	-5.72E-06	4.77E-05	-9.75E-05
4.21E+02	-1.14E-05	2.98E-05	-9.29E-05
4.21E+02	9.92E-06	3.60E-05	-5.97E-05
4.21E+02	3.34E-05	2.71E-05	-6.54E-05
4.21E+02	0.00E+00	1.34E-05	-5.19E-05
4.21E+02	-1.89E-05	6.87E-06	-3.72E-05
4.21E+02	1.32E-05	3.47E-05	-7.63E-07
4.21E+02	1.72E-05	5.97E-05	1.03E-05

4.21E+02	1.64E-05	6.48E-05	-3.05E-05
4.21E+02	3.83E-05	1.01E-04	-1.26E-05
4.21E+02	6.96E-05	1.26E-04	7.25E-06
4.21E+02	1.08E-04	1.32E-04	-2.40E-05
4.21E+02	9.94E-05	1.33E-04	-2.00E-05
4.21E+02	8.53E-05	1.21E-04	-1.41E-05
4.21E+02	1.03E-04	1.31E-04	-1.07E-05
4.21E+02	8.43E-05	1.18E-04	-2.71E-05
4.21E+02	4.62E-05	5.66E-05	-1.19E-04
4.21E+02	3.68E-05	2.65E-05	-1.54E-04
4.21E+02	6.01E-05	4.16E-05	-1.32E-04
4.21E+02	8.43E-05	5.46E-05	-1.33E-04
4.21E+02	6.83E-05	6.22E-05	-1.23E-04
4.21E+02	6.92E-05	6.64E-05	-1.25E-04
4.21E+02	1.06E-04	8.70E-05	-1.02E-04
4.21E+02	1.06E-04	1.05E-04	-8.11E-05
4.21E+02	9.67E-05	9.73E-05	-1.17E-04
4.21E+02	1.03E-04	1.18E-04	-7.63E-05
4.21E+02	1.29E-04	1.37E-04	-2.46E-05
4.21E+02	1.71E-04	1.29E-04	-4.54E-05
4.21E+02	1.65E-04	1.29E-04	-2.06E-05
4.21E+02	1.55E-04	1.31E-04	2.69E-05
4.21E+02	1.71E-04	1.57E-04	8.56E-05
4.21E+02	1.48E-04	1.73E-04	9.92E-05
4.21E+02	1.20E-04	1.44E-04	9.54E-06
4.21E+02	1.13E-04	1.25E-04	-2.06E-05
4.21E+02	1.18E-04	1.23E-04	-3.62E-06
4.21E+02	1.42E-04	1.22E-04	-4.58E-06
4.21E+02	1.26E-04	1.29E-04	2.02E-05
4.21E+02	1.12E-04	1.36E-04	1.47E-05
4.21E+02	1.38E-04	1.59E-04	4.01E-06
4.21E+02	1.25E-04	1.78E-04	-6.48E-06
4.21E+02	1.01E-04	1.75E-04	-6.41E-05
4.21E+02	1.03E-04	1.93E-04	-6.20E-05
4.21E+02	1.16E-04	2.00E-04	-3.20E-05
4.21E+02	1.44E-04	1.76E-04	-6.48E-05
4.21E+02	1.18E-04	1.38E-04	-6.33E-05
4.21E+02	8.53E-05	9.42E-05	-2.48E-05
4.21E+02	1.14E-04	8.43E-05	3.30E-05
4.21E+02	1.11E-04	7.17E-05	7.04E-05
4.21E+02	9.88E-05	3.43E-05	1.37E-05
4.21E+02	1.29E-04	2.52E-05	-4.20E-06
4.21E+02	1.63E-04	3.47E-05	4.23E-05
4.21E+02	2.15E-04	3.70E-05	6.56E-05
4.21E+02	2.18E-04	1.24E-05	8.95E-05
4.21E+02	1.97E-04	-2.67E-05	1.03E-04
4.21E+02	2.35E-04	-4.54E-05	1.11E-04

4.21E+02	2.34E-04	-6.81E-05	9.35E-05
4.21E+02	2.16E-04	-1.08E-04	3.43E-06
4.21E+02	2.33E-04	-1.28E-04	-4.43E-05
4.21E+02	2.45E-04	-1.25E-04	-3.20E-05
4.21E+02	2.78E-04	-1.14E-04	-6.24E-05
4.21E+02	2.72E-04	-1.05E-04	-8.07E-05
4.21E+02	2.32E-04	-9.50E-05	-7.80E-05
4.21E+02	2.44E-04	-5.05E-05	-5.74E-05
4.21E+02	2.20E-04	-1.18E-05	-2.50E-05
4.21E+02	1.66E-04	-1.93E-05	-6.18E-05
4.21E+02	1.53E-04	1.34E-06	-3.91E-05
4.21E+02	1.39E-04	4.39E-05	5.36E-05
4.21E+02	1.41E-04	7.29E-05	8.45E-05
4.21E+02	1.13E-04	1.10E-04	1.07E-04
4.21E+02	4.52E-05	1.24E-04	9.44E-05
4.21E+02	4.69E-05	1.44E-04	7.67E-05
4.21E+02	4.23E-05	1.63E-04	9.44E-05
4.21E+02	1.53E-06	1.26E-04	5.76E-05
4.21E+02	1.51E-05	1.09E-04	6.24E-05
4.21E+02	4.20E-05	1.05E-04	9.19E-05
4.21E+02	8.20E-05	8.14E-05	4.10E-05
4.21E+02	1.15E-04	7.90E-05	1.14E-05
4.21E+02	1.16E-04	7.88E-05	1.95E-05
4.21E+02	1.61E-04	1.09E-04	4.94E-05
4.21E+02	1.74E-04	1.47E-04	8.05E-05
4.21E+02	1.39E-04	1.42E-04	2.14E-05
4.21E+02	1.34E-04	1.39E-04	-3.03E-05
4.21E+02	1.26E-04	1.46E-04	-6.29E-06
4.21E+02	1.29E-04	1.46E-04	5.72E-06
4.21E+02	1.14E-04	1.38E-04	2.56E-05
4.21E+02	7.78E-05	1.21E-04	2.59E-05
4.21E+02	1.05E-04	1.30E-04	3.05E-06
4.21E+02	1.40E-04	1.53E-04	3.28E-05
4.21E+02	1.46E-04	1.44E-04	3.66E-05
4.21E+02	1.63E-04	1.44E-04	4.79E-05
4.21E+02	1.76E-04	1.50E-04	1.01E-04
4.21E+02	1.87E-04	1.30E-04	7.80E-05
4.21E+02	1.63E-04	9.69E-05	5.13E-05
4.21E+02	9.65E-05	5.89E-05	6.52E-05
4.21E+02	7.69E-05	5.30E-05	9.69E-05
4.21E+02	5.21E-05	7.57E-05	1.38E-04
4.21E+02	-6.87E-06	7.27E-05	9.61E-05
4.21E+02	-2.80E-05	7.19E-05	5.02E-05
4.21E+02	-2.56E-05	9.25E-05	5.30E-05
4.21E+02	8.39E-06	1.02E-04	3.45E-05
4.21E+02	1.91E-05	8.74E-05	1.16E-05
4.21E+02	-2.29E-06	5.78E-05	-9.92E-06

4.21E+02	4.39E-05	5.30E-05	-2.48E-05
4.21E+02	6.92E-05	5.00E-05	-4.43E-05
4.21E+02	4.22E-05	1.98E-05	-9.73E-05
4.21E+02	2.80E-05	2.10E-06	-1.19E-04
4.21E+02	3.24E-06	-1.30E-05	-9.65E-05
4.21E+02	-2.48E-06	-3.72E-05	-1.33E-04
4.21E+02	-1.18E-05	-5.15E-05	-1.82E-04
4.21E+02	-4.48E-05	-6.05E-05	-1.57E-04
4.21E+02	-1.68E-05	-4.33E-05	-8.26E-05
4.21E+02	3.09E-05	-9.73E-06	2.50E-05
4.21E+02	3.62E-05	-3.11E-05	8.56E-05
4.21E+02	5.65E-05	-5.04E-05	1.37E-04
4.21E+02	8.83E-05	-3.49E-05	2.41E-04
4.21E+02	1.15E-04	-3.45E-05	2.96E-04
4.21E+02	1.36E-04	-2.29E-06	3.16E-04
4.21E+02	1.10E-04	1.85E-05	2.81E-04
4.21E+02	1.14E-04	2.59E-05	1.92E-04
4.21E+02	1.53E-04	6.07E-05	1.46E-04
4.21E+02	1.37E-04	6.41E-05	6.81E-05
4.21E+02	1.25E-04	7.25E-05	1.32E-05
4.21E+02	1.25E-04	8.74E-05	4.63E-05
4.21E+02	1.32E-04	8.35E-05	2.40E-05
4.21E+02	1.31E-04	7.27E-05	-2.08E-05
4.21E+02	7.74E-05	6.22E-05	-2.75E-05
4.21E+02	6.60E-05	9.50E-05	-2.06E-05
4.21E+02	7.36E-05	1.41E-04	5.15E-06
4.21E+02	3.76E-05	1.44E-04	-3.30E-05
4.21E+02	3.05E-05	1.21E-04	-8.93E-05
4.21E+02	5.02E-05	9.94E-05	-6.28E-05
4.21E+02	8.39E-05	7.76E-05	-4.56E-05
4.21E+02	1.07E-04	5.70E-05	-3.83E-05
4.21E+02	7.55E-05	3.62E-05	-8.96E-06
4.21E+02	8.07E-05	3.72E-05	9.54E-06
4.21E+02	1.22E-04	7.53E-05	4.54E-05
4.21E+02	1.06E-04	7.65E-05	2.08E-05
4.21E+02	8.45E-05	6.75E-05	-3.03E-05
4.21E+02	7.67E-05	8.83E-05	1.81E-05
4.21E+02	7.80E-05	6.60E-05	4.29E-05
4.21E+02	8.70E-05	1.51E-05	3.26E-05
4.21E+02	5.36E-05	-5.17E-05	5.19E-05
4.21E+02	5.17E-05	-1.00E-04	8.18E-05
4.21E+02	8.05E-05	-1.05E-04	1.38E-04
4.21E+02	5.57E-05	-1.46E-04	1.05E-04
4.21E+02	5.40E-05	-1.80E-04	3.07E-05
4.21E+02	7.17E-05	-1.78E-04	2.61E-05
4.21E+02	8.35E-05	-1.74E-04	5.72E-07
4.21E+02	1.03E-04	-1.42E-04	-2.48E-05

4.21E+02	6.47E-05	-1.16E-04	-4.20E-05
4.21E+02	4.92E-05	-9.17E-05	-7.50E-05
4.21E+02	7.19E-05	-4.46E-05	-5.32E-05
4.21E+02	3.51E-05	-3.72E-05	-3.15E-05
4.21E+02	5.53E-06	-4.98E-05	-2.16E-05
4.21E+02	6.87E-06	-2.84E-05	3.30E-05
4.21E+02	1.24E-05	-1.58E-05	2.63E-05
4.21E+02	2.04E-05	-2.86E-06	-2.84E-05
4.21E+02	-8.01E-06	3.03E-05	-4.27E-05
4.21E+02	-1.85E-05	7.55E-05	-3.85E-05
4.21E+02	-7.06E-06	1.39E-04	5.72E-06
4.21E+02	-3.99E-05	1.62E-04	8.96E-06
4.21E+02	-7.40E-05	1.37E-04	-3.20E-05
4.21E+02	-9.12E-05	1.15E-04	9.54E-07
4.21E+02	-8.58E-05	1.18E-04	4.08E-05
4.21E+02	-9.25E-05	1.21E-04	4.33E-05
4.21E+02	-1.43E-04	9.96E-05	2.75E-05
4.21E+02	-1.38E-04	8.89E-05	-4.77E-06
4.21E+02	-1.03E-04	9.92E-05	-1.45E-05
4.21E+02	-1.05E-04	7.80E-05	-4.41E-05
4.21E+02	-9.29E-05	4.44E-05	-7.23E-05
4.21E+02	-7.25E-05	2.90E-05	-2.29E-05
4.21E+02	-5.09E-05	-7.63E-07	-8.96E-06
4.21E+02	-2.35E-05	-3.41E-05	-5.93E-05
4.21E+02	-4.35E-05	-5.42E-05	-7.80E-05
4.21E+02	-5.05E-05	-5.05E-05	-6.96E-05
4.21E+02	-2.37E-05	-1.16E-05	-2.52E-05
4.21E+02	-4.65E-05	3.62E-06	-1.98E-05
4.21E+02	-6.81E-05	-1.14E-05	-8.89E-05
4.21E+02	-6.52E-05	-5.91E-06	-1.02E-04
4.21E+02	-5.78E-05	0.00E+00	-8.62E-05
4.21E+02	-3.99E-05	-5.72E-07	-7.78E-05
4.21E+02	-7.31E-05	2.67E-06	-3.99E-05
4.22E+02	-9.59E-05	1.30E-05	-1.13E-05
4.22E+02	-8.18E-05	5.30E-05	2.19E-05
4.22E+02	-1.30E-04	9.38E-05	2.31E-05
4.22E+02	-1.87E-04	1.21E-04	-3.68E-05
4.22E+02	-2.16E-04	1.52E-04	-4.60E-05
4.22E+02	-2.34E-04	1.70E-04	-3.60E-05
4.22E+02	-2.28E-04	1.61E-04	-5.28E-05
4.22E+02	-2.58E-04	1.31E-04	-1.83E-05
4.22E+02	-2.84E-04	1.17E-04	3.28E-05
4.22E+02	-2.76E-04	1.30E-04	8.07E-05
4.22E+02	-3.08E-04	1.26E-04	8.66E-05
4.22E+02	-3.40E-04	1.01E-04	9.16E-06
4.22E+02	-3.42E-04	9.78E-05	-1.28E-05
4.22E+02	-3.24E-04	1.14E-04	-8.39E-06

4.22E+02	-2.88E-04	1.29E-04	-4.52E-05
4.22E+02	-2.84E-04	1.51E-04	-3.87E-05
4.22E+02	-2.68E-04	1.67E-04	-4.02E-05
4.22E+02	-2.00E-04	1.91E-04	-3.80E-05
4.22E+02	-1.65E-04	1.94E-04	-3.59E-05
4.22E+02	-1.59E-04	1.58E-04	-9.46E-05
4.22E+02	-1.39E-04	1.56E-04	-9.50E-05
4.22E+02	-1.18E-04	1.51E-04	-9.96E-05
4.22E+02	-8.37E-05	1.23E-04	-1.77E-04
4.22E+02	-8.85E-05	1.07E-04	-2.19E-04
4.22E+02	-9.27E-05	9.46E-05	-2.37E-04
4.22E+02	-3.72E-05	1.19E-04	-2.01E-04
4.22E+02	-7.25E-06	1.23E-04	-1.59E-04
4.22E+02	1.11E-05	7.61E-05	-1.57E-04
4.22E+02	3.93E-05	5.68E-05	-7.74E-05
4.22E+02	7.02E-05	5.42E-05	1.05E-05
4.22E+02	1.06E-04	5.74E-05	3.53E-05
4.22E+02	8.32E-05	8.18E-05	5.40E-05
4.22E+02	6.01E-05	1.06E-04	2.42E-05
4.22E+02	9.19E-05	1.39E-04	-7.06E-06
4.22E+02	8.87E-05	1.64E-04	-3.43E-06
4.22E+02	4.94E-05	1.45E-04	-4.84E-05
4.22E+02	4.23E-05	1.26E-04	-3.59E-05
4.22E+02	4.88E-05	1.25E-04	1.95E-05
4.22E+02	4.16E-05	9.96E-05	-2.59E-05
4.22E+02	7.63E-07	5.72E-05	-7.53E-05
4.22E+02	-4.58E-05	3.53E-05	-1.05E-04
4.22E+02	-4.73E-05	6.28E-05	-1.09E-04
4.22E+02	-6.94E-05	9.12E-05	-9.67E-05
4.22E+02	-1.04E-04	8.26E-05	-1.54E-04
4.22E+02	-1.11E-04	8.26E-05	-1.53E-04
4.22E+02	-1.09E-04	8.77E-05	-8.96E-05
4.22E+02	-8.16E-05	8.51E-05	-5.53E-05
4.22E+02	-9.12E-05	7.08E-05	-4.58E-06
4.22E+02	-1.03E-04	4.62E-05	4.58E-06
4.22E+02	-4.83E-05	4.16E-05	0.00E+00
4.22E+02	-2.71E-05	3.66E-05	7.82E-06
4.22E+02	-2.50E-05	8.39E-06	-5.51E-05
4.22E+02	1.34E-06	-9.73E-06	-6.66E-05
4.22E+02	2.35E-05	-1.75E-05	-1.72E-05
4.22E+02	5.49E-05	-5.95E-05	-3.53E-05
4.22E+02	4.77E-05	-1.16E-04	-3.41E-05
4.22E+02	1.01E-05	-1.57E-04	-1.91E-05
4.22E+02	1.74E-05	-1.68E-04	-1.87E-05
4.22E+02	2.37E-05	-1.41E-04	2.29E-06
4.22E+02	1.91E-06	-1.49E-04	-4.96E-05
4.22E+02	-1.34E-06	-1.68E-04	-7.80E-05

4.22E+02	2.56E-05	-1.54E-04	-2.38E-05
4.22E+02	6.47E-05	-1.55E-04	-2.48E-06
4.22E+02	5.65E-05	-1.54E-04	2.40E-05
4.22E+02	2.14E-05	-1.59E-04	2.10E-05
4.22E+02	2.37E-05	-1.61E-04	-2.12E-05
4.22E+02	-1.91E-06	-1.61E-04	-4.37E-05
4.22E+02	-5.78E-05	-1.94E-04	-9.67E-05
4.22E+02	-8.83E-05	-1.95E-04	-9.35E-05
4.22E+02	-9.37E-05	-1.72E-04	-2.90E-05
4.22E+02	-5.61E-05	-1.61E-04	-1.30E-05
4.22E+02	-3.53E-05	-1.50E-04	1.91E-05
4.22E+02	-3.26E-05	-1.49E-04	4.44E-05
4.22E+02	2.90E-05	-1.25E-04	4.52E-05
4.22E+02	6.58E-05	-8.68E-05	4.35E-05
4.22E+02	6.56E-05	-8.11E-05	-3.66E-05
4.22E+02	8.96E-05	-7.42E-05	-9.16E-05
4.22E+02	1.10E-04	-4.84E-05	-6.85E-05
4.22E+02	1.49E-04	-1.51E-05	-5.59E-05
4.22E+02	1.59E-04	1.89E-05	-2.44E-05
4.22E+02	1.31E-04	4.37E-05	5.72E-06
4.22E+02	1.67E-04	7.44E-05	1.54E-05
4.22E+02	1.94E-04	9.14E-05	2.10E-05
4.22E+02	1.76E-04	7.42E-05	-3.62E-05
4.22E+02	1.58E-04	6.39E-05	-8.87E-05
4.22E+02	1.31E-04	7.57E-05	-8.37E-05
4.22E+02	1.15E-04	7.90E-05	-1.27E-04
4.22E+02	6.29E-05	6.14E-05	-1.76E-04
4.22E+02	-1.07E-05	4.81E-05	-1.64E-04
4.22E+02	-2.14E-05	6.12E-05	-1.22E-04
4.22E+02	-3.13E-05	7.32E-05	-7.51E-05
4.22E+02	-7.11E-05	4.56E-05	-1.06E-04
4.22E+02	-7.65E-05	1.34E-05	-1.36E-04
4.22E+02	-6.22E-05	-1.53E-06	-8.32E-05
4.22E+02	-3.76E-05	-2.27E-05	-5.55E-05
4.22E+02	-2.63E-05	-3.45E-05	-3.51E-05
4.22E+02	-6.45E-05	-6.79E-05	-3.13E-05
4.22E+02	-6.35E-05	-1.06E-04	-3.85E-05
4.22E+02	-4.37E-05	-1.09E-04	1.79E-05
4.22E+02	-7.46E-05	-1.39E-04	1.70E-05
4.22E+02	-8.24E-05	-1.68E-04	3.43E-06
4.22E+02	-6.28E-05	-1.59E-04	6.66E-05
4.22E+02	-2.40E-05	-1.51E-04	8.34E-05
4.22E+02	1.11E-05	-1.52E-04	7.76E-05
4.22E+02	9.73E-06	-1.57E-04	8.32E-05
4.22E+02	4.54E-05	-1.39E-04	9.12E-05
4.22E+02	8.16E-05	-1.14E-04	1.15E-04
4.22E+02	8.01E-05	-1.34E-04	5.82E-05

4.22E+02	1.05E-04	-1.58E-04	-2.29E-05
4.22E+02	1.26E-04	-1.45E-04	-3.95E-05
4.22E+02	1.51E-04	-1.22E-04	-6.24E-05
4.22E+02	1.59E-04	-9.57E-05	-8.81E-05
4.22E+02	1.10E-04	-7.11E-05	-1.11E-04
4.22E+02	1.11E-04	-3.09E-05	-1.12E-04
4.22E+02	1.17E-04	1.91E-05	-7.84E-05
4.22E+02	7.95E-05	2.71E-05	-8.20E-05
4.22E+02	8.26E-05	3.89E-05	-7.86E-05
4.22E+02	1.07E-04	6.56E-05	-1.87E-05
4.22E+02	1.56E-04	5.97E-05	-2.67E-06
4.22E+02	1.94E-04	4.12E-05	-4.20E-06
4.22E+02	1.81E-04	1.83E-05	3.20E-05
4.22E+02	1.94E-04	1.45E-05	5.87E-05
4.22E+02	2.03E-04	3.34E-05	7.88E-05
4.22E+02	1.58E-04	2.77E-05	2.69E-05
4.22E+02	1.22E-04	2.00E-05	-4.67E-05
4.22E+02	9.88E-05	3.11E-05	-2.88E-05
4.22E+02	8.81E-05	5.44E-05	-4.77E-06
4.22E+02	6.66E-05	9.02E-05	1.11E-05
4.22E+02	4.20E-06	9.98E-05	2.65E-05
4.22E+02	-6.10E-06	1.07E-04	2.40E-05
4.22E+02	1.28E-05	1.23E-04	4.44E-05
4.22E+02	-9.16E-06	9.75E-05	3.05E-05
4.22E+02	-2.59E-05	6.58E-05	8.20E-06
4.22E+02	-3.97E-05	5.78E-05	6.83E-05
4.22E+02	-2.96E-05	5.19E-05	8.95E-05
4.22E+02	-2.33E-05	3.22E-05	5.32E-05
4.22E+02	-5.80E-05	2.67E-06	7.74E-05
4.22E+02	-4.88E-05	-4.96E-06	1.26E-04
4.22E+02	-2.94E-05	-1.91E-06	1.70E-04
4.22E+02	-4.48E-05	-2.94E-05	1.58E-04
4.22E+02	-3.05E-05	-6.98E-05	8.89E-05
4.22E+02	1.91E-07	-9.16E-05	6.24E-05
4.22E+02	4.96E-05	-1.04E-04	3.36E-05
4.22E+02	9.63E-05	-1.03E-04	1.91E-06
4.22E+02	7.27E-05	-1.09E-04	-4.58E-06
4.22E+02	7.32E-05	-1.19E-04	-1.72E-05
4.22E+02	9.98E-05	-1.01E-04	1.45E-05
4.22E+02	7.31E-05	-1.13E-04	2.38E-05
4.22E+02	5.47E-05	-1.42E-04	3.24E-06
4.22E+02	4.23E-05	-1.43E-04	5.61E-05
4.22E+02	3.30E-05	-1.55E-04	4.96E-05
4.22E+02	2.63E-05	-1.85E-04	-9.73E-06
4.22E+02	-5.53E-06	-1.96E-04	1.53E-05
4.22E+02	-2.67E-06	-1.86E-04	5.80E-05
4.22E+02	2.21E-05	-1.47E-04	1.15E-04

4.22E+02	2.56E-05	-1.16E-04	1.19E-04
4.22E+02	3.78E-05	-1.23E-04	6.47E-05
4.22E+02	6.05E-05	-1.02E-04	1.16E-04
4.22E+02	1.00E-04	-6.64E-05	1.82E-04
4.22E+02	1.31E-04	-4.02E-05	1.90E-04
4.22E+02	1.02E-04	-2.84E-05	1.83E-04
4.22E+02	8.53E-05	-3.68E-05	1.50E-04
4.22E+02	9.23E-05	-2.86E-05	1.35E-04
4.22E+02	5.49E-05	-4.77E-05	9.73E-05
4.22E+02	1.70E-05	-8.22E-05	3.20E-05
4.22E+02	5.15E-06	-8.83E-05	3.24E-05
4.22E+02	2.00E-05	-1.06E-04	3.19E-05
4.22E+02	5.11E-05	-1.34E-04	7.82E-06
4.22E+02	4.75E-05	-1.66E-04	4.16E-05
4.22E+02	6.29E-05	-1.81E-04	1.01E-04
4.22E+02	1.06E-04	-1.74E-04	1.74E-04
4.22E+02	9.42E-05	-1.89E-04	2.02E-04
4.22E+02	7.29E-05	-2.14E-04	1.59E-04
4.22E+02	7.65E-05	-2.07E-04	1.69E-04
4.22E+02	8.95E-05	-1.77E-04	2.01E-04
4.22E+02	1.01E-04	-1.49E-04	2.07E-04
4.22E+02	6.41E-05	-1.42E-04	2.26E-04
4.22E+02	3.68E-05	-1.55E-04	2.32E-04
4.22E+02	5.86E-05	-1.51E-04	2.46E-04
4.22E+02	4.52E-05	-1.51E-04	2.47E-04
4.22E+02	1.32E-05	-1.65E-04	1.88E-04
4.22E+02	-6.29E-06	-1.57E-04	1.75E-04
4.22E+02	-1.51E-05	-1.45E-04	1.65E-04
4.22E+02	-5.15E-06	-1.41E-04	9.35E-05
4.22E+02	-3.83E-05	-1.35E-04	6.33E-05
4.22E+02	-7.02E-05	-1.04E-04	9.46E-05
4.22E+02	-5.40E-05	-4.56E-05	1.66E-04
4.22E+02	-8.20E-05	-2.98E-05	1.72E-04
4.22E+02	-1.15E-04	-4.10E-05	8.54E-05
4.22E+02	-1.08E-04	-3.40E-05	4.92E-05
4.22E+02	-8.47E-05	-3.20E-05	3.89E-05
4.22E+02	-4.41E-05	-2.78E-05	2.61E-05
4.22E+02	-5.55E-05	-3.62E-05	4.44E-05
4.22E+02	-5.49E-05	-4.77E-05	4.18E-05
4.22E+02	-4.01E-06	-4.46E-05	4.31E-05
4.22E+02	6.87E-06	-6.29E-05	5.78E-05
4.22E+02	2.42E-05	-8.77E-05	4.88E-05
4.22E+02	4.88E-05	-1.01E-04	8.62E-05
4.22E+02	6.77E-05	-1.20E-04	1.34E-04
4.22E+02	1.04E-04	-1.44E-04	1.31E-04
4.23E+02	9.82E-05	-1.66E-04	1.59E-04
4.23E+02	9.94E-05	-1.74E-04	2.09E-04

4.23E+02	1.42E-04	-1.53E-04	2.60E-04
4.23E+02	1.38E-04	-1.44E-04	2.63E-04
4.23E+02	1.16E-04	-1.67E-04	1.75E-04
4.23E+02	1.08E-04	-1.68E-04	1.28E-04
4.23E+02	9.33E-05	-1.59E-04	1.18E-04
4.23E+02	8.41E-05	-1.62E-04	9.44E-05
4.23E+02	2.75E-05	-1.74E-04	9.88E-05
4.23E+02	-4.08E-05	-2.01E-04	9.23E-05
4.23E+02	-5.30E-05	-1.95E-04	1.05E-04
4.23E+02	-7.99E-05	-1.65E-04	1.26E-04
4.23E+02	-1.20E-04	-1.41E-04	8.89E-05
4.23E+02	-1.27E-04	-7.95E-05	1.09E-04
4.23E+02	-1.12E-04	-2.12E-05	1.42E-04
4.23E+02	-8.07E-05	1.03E-05	9.84E-05
4.23E+02	-7.88E-05	3.38E-05	9.92E-05
4.23E+02	-9.40E-05	3.28E-05	1.23E-04
4.23E+02	-7.00E-05	4.06E-05	1.54E-04
4.23E+02	-6.81E-05	4.12E-05	1.84E-04
4.23E+02	-9.57E-05	1.32E-05	1.38E-04
4.23E+02	-9.63E-05	5.72E-06	1.27E-04
4.23E+02	-8.77E-05	2.59E-05	1.57E-04
4.23E+02	-7.57E-05	4.65E-05	1.27E-04
4.23E+02	-9.40E-05	5.19E-05	8.51E-05
4.23E+02	-1.25E-04	4.08E-05	4.01E-05
4.23E+02	-1.01E-04	3.72E-05	2.73E-05
4.23E+02	-1.04E-04	4.33E-05	6.37E-05
4.23E+02	-1.51E-04	1.98E-05	4.67E-05
4.23E+02	-1.78E-04	-3.05E-06	4.88E-05
4.23E+02	-2.01E-04	-1.26E-05	8.56E-05
4.23E+02	-1.96E-04	-4.08E-05	5.49E-05
4.23E+02	-2.09E-04	-6.37E-05	5.28E-05
4.23E+02	-2.35E-04	-7.42E-05	7.32E-05
4.23E+02	-1.92E-04	-5.30E-05	8.49E-05
4.23E+02	-1.61E-04	-2.99E-05	9.23E-05
4.23E+02	-1.35E-04	-5.17E-05	1.07E-05
4.23E+02	-7.86E-05	-7.29E-05	-3.03E-05
4.23E+02	-2.67E-05	-9.46E-05	1.41E-05
4.23E+02	4.08E-05	-1.22E-04	1.81E-05
4.23E+02	6.29E-05	-1.36E-04	1.70E-05
4.23E+02	6.62E-05	-1.51E-04	3.43E-06
4.23E+02	1.26E-04	-1.46E-04	-1.64E-05
4.23E+02	1.50E-04	-1.23E-04	-1.62E-05
4.23E+02	1.22E-04	-1.21E-04	-5.63E-05
4.23E+02	9.86E-05	-1.09E-04	-5.25E-05
4.23E+02	7.65E-05	-9.40E-05	6.29E-06
4.23E+02	6.29E-05	-1.08E-04	4.96E-06
4.23E+02	1.75E-05	-1.36E-04	-4.20E-06

4.23E+02	-5.28E-05	-1.65E-04	5.72E-06
4.23E+02	-6.94E-05	-1.59E-04	2.69E-05
4.23E+02	-9.88E-05	-1.36E-04	4.83E-05
4.23E+02	-1.54E-04	-1.35E-04	-9.92E-06
4.23E+02	-1.72E-04	-1.30E-04	-4.67E-05
4.23E+02	-1.78E-04	-1.14E-04	-1.18E-05
4.23E+02	-1.54E-04	-9.17E-05	-9.35E-06
4.23E+02	-1.54E-04	-7.15E-05	-1.51E-05
4.23E+02	-1.83E-04	-5.42E-05	-3.01E-05
4.23E+02	-1.46E-04	-1.51E-05	-5.23E-05
4.23E+02	-1.27E-04	3.78E-05	-4.37E-05
4.23E+02	-1.46E-04	6.35E-05	-6.62E-05
4.23E+02	-1.33E-04	8.66E-05	-7.10E-05
4.23E+02	-1.23E-04	1.22E-04	-4.54E-05
4.23E+02	-9.10E-05	1.40E-04	-9.08E-05
4.23E+02	-8.05E-05	1.43E-04	-1.32E-04
4.23E+02	-1.10E-04	1.34E-04	-1.14E-04
4.23E+02	-6.62E-05	1.46E-04	-6.29E-05
4.23E+02	-3.83E-05	1.53E-04	-3.41E-05
4.23E+02	-5.30E-05	1.18E-04	-9.27E-05
4.23E+02	-3.24E-05	9.14E-05	-1.19E-04
4.23E+02	-2.42E-05	7.23E-05	-9.52E-05
4.23E+02	3.05E-06	5.25E-05	-1.11E-04
4.23E+02	2.10E-05	3.62E-05	-1.20E-04
4.23E+02	-4.77E-06	1.09E-05	-1.39E-04
4.23E+02	1.62E-05	1.35E-05	-1.57E-04
4.23E+02	3.60E-05	5.13E-05	-1.34E-04
4.23E+02	1.49E-05	6.43E-05	-1.57E-04
4.23E+02	8.77E-06	7.74E-05	-1.57E-04
4.23E+02	3.05E-06	1.03E-04	-9.52E-05
4.23E+02	1.13E-05	9.71E-05	-1.05E-04
4.23E+02	2.29E-06	9.21E-05	-1.03E-04
4.23E+02	-4.88E-05	9.29E-05	-3.40E-05
4.23E+02	-5.17E-05	9.80E-05	2.67E-05
4.23E+02	-5.17E-05	1.08E-04	7.63E-05
4.23E+02	-7.65E-05	9.35E-05	4.75E-05
4.23E+02	-6.89E-05	7.40E-05	-1.68E-05
4.23E+02	-5.51E-05	7.48E-05	-5.34E-06
4.23E+02	-1.79E-05	9.86E-05	2.67E-06
4.23E+02	-5.15E-06	1.19E-04	-1.32E-05
4.23E+02	-4.67E-05	1.23E-04	-2.99E-05
4.23E+02	-3.59E-05	1.27E-04	-6.90E-05
4.23E+02	-5.72E-06	1.23E-04	-7.90E-05
4.23E+02	-1.09E-05	8.58E-05	-1.14E-04
4.23E+02	-6.10E-06	4.20E-05	-1.54E-04
4.23E+02	4.96E-06	2.31E-05	-1.18E-04
4.23E+02	3.80E-05	1.91E-06	-1.24E-04

4.23E+02	5.51E-05	-2.02E-05	-1.33E-04
4.23E+02	1.87E-05	-3.68E-05	-8.89E-05
4.23E+02	2.37E-05	-2.04E-05	-5.26E-05
4.23E+02	2.44E-05	2.38E-05	-8.58E-06
4.23E+02	-3.74E-05	3.20E-05	-3.66E-05
4.23E+02	-8.62E-05	3.95E-05	-1.06E-04
4.23E+02	-1.19E-04	6.89E-05	-9.90E-05
4.23E+02	-1.23E-04	9.99E-05	-8.26E-05
4.23E+02	-1.35E-04	1.29E-04	-7.72E-05
4.23E+02	-1.92E-04	1.35E-04	-6.26E-05
4.23E+02	-1.92E-04	1.45E-04	-4.65E-05
4.23E+02	-1.56E-04	1.73E-04	0.00E+00
4.23E+02	-1.61E-04	1.79E-04	-4.39E-06
4.23E+02	-1.53E-04	1.73E-04	-5.95E-05
4.23E+02	-1.27E-04	2.00E-04	-5.09E-05
4.23E+02	-9.10E-05	2.39E-04	-7.02E-05
4.23E+02	-5.15E-05	2.52E-04	-1.30E-04
4.23E+02	-5.72E-05	2.54E-04	-1.37E-04
4.23E+02	-4.12E-05	2.57E-04	-1.22E-04
4.23E+02	-5.53E-06	2.78E-04	-7.10E-05
4.23E+02	-3.28E-05	2.64E-04	-7.42E-05
4.23E+02	-4.88E-05	2.11E-04	-1.21E-04
4.23E+02	-3.49E-05	2.02E-04	-6.39E-05
4.23E+02	-1.75E-05	1.91E-04	-1.75E-05
4.23E+02	-6.48E-06	1.77E-04	-6.48E-06
4.23E+02	-4.79E-05	1.83E-04	1.41E-05
4.23E+02	-5.63E-05	1.89E-04	-1.20E-05
4.23E+02	-2.77E-05	2.25E-04	-1.68E-05
4.23E+02	-4.86E-05	2.42E-04	-4.58E-05
4.23E+02	-6.22E-05	2.33E-04	-1.20E-04
4.23E+02	-5.87E-05	2.45E-04	-1.08E-04
4.23E+02	-5.19E-05	2.46E-04	-1.05E-04
4.23E+02	-4.20E-05	2.37E-04	-1.44E-04
4.23E+02	-7.72E-05	2.26E-04	-1.25E-04
4.23E+02	-9.19E-05	2.23E-04	-6.89E-05
4.23E+02	-7.46E-05	2.46E-04	2.56E-05
4.23E+02	-9.84E-05	2.40E-04	7.17E-05
4.23E+02	-9.96E-05	2.16E-04	4.83E-05
4.23E+02	-7.61E-05	2.02E-04	6.64E-05
4.23E+02	-5.25E-05	1.83E-04	5.97E-05
4.23E+02	-5.53E-06	1.72E-04	2.27E-05
4.23E+02	-8.01E-06	1.38E-04	-1.28E-05
4.23E+02	-1.14E-06	8.14E-05	-8.32E-05
4.23E+02	5.30E-05	5.86E-05	-9.14E-05
4.23E+02	4.96E-05	3.15E-05	-8.95E-05
4.23E+02	3.01E-05	-1.05E-05	-1.46E-04
4.23E+02	1.47E-05	-2.38E-05	-1.29E-04

4.23E+02	4.58E-06	-2.88E-05	-9.78E-05
4.23E+02	1.05E-05	-3.22E-05	-1.07E-04
4.23E+02	-3.05E-05	-1.66E-05	-7.99E-05
4.23E+02	-5.68E-05	1.54E-05	-5.44E-05
4.23E+02	-5.72E-05	7.71E-05	-1.01E-05
4.23E+02	-9.90E-05	1.20E-04	2.86E-06
4.23E+02	-1.34E-04	1.13E-04	-6.68E-05
4.23E+02	-1.45E-04	1.03E-04	-8.16E-05
4.23E+02	-1.37E-04	9.25E-05	-5.68E-05
4.23E+02	-1.27E-04	9.61E-05	-3.95E-05
4.23E+02	-1.63E-04	1.05E-04	-1.41E-05
4.23E+02	-1.77E-04	1.15E-04	-2.04E-05
4.23E+02	-1.43E-04	1.63E-04	5.72E-07
4.23E+02	-1.57E-04	1.91E-04	3.24E-06
4.23E+02	-1.77E-04	1.95E-04	-5.02E-05
4.23E+02	-1.82E-04	2.14E-04	-3.03E-05
4.23E+02	-1.79E-04	2.26E-04	-1.14E-06
4.23E+02	-1.45E-04	2.40E-04	-3.19E-05
4.23E+02	-1.55E-04	2.30E-04	-5.36E-05
4.23E+02	-1.59E-04	2.07E-04	-6.83E-05
4.23E+02	-1.16E-04	2.19E-04	-5.02E-05
4.23E+02	-1.15E-04	2.15E-04	-4.73E-05
4.23E+02	-1.25E-04	1.86E-04	-9.31E-05
4.23E+02	-1.14E-04	1.81E-04	-6.39E-05
4.23E+02	-8.81E-05	1.86E-04	-7.82E-06
4.23E+02	-4.56E-05	1.81E-04	7.44E-06
4.23E+02	-4.16E-05	1.73E-04	3.15E-05
4.23E+02	-2.86E-05	1.64E-04	2.80E-05
4.23E+02	3.62E-05	1.68E-04	3.49E-05
4.23E+02	5.95E-05	1.71E-04	4.94E-05
4.23E+02	5.42E-05	1.48E-04	9.54E-06
4.23E+02	8.13E-05	1.40E-04	3.36E-05
4.23E+02	1.08E-04	1.31E-04	5.63E-05
4.23E+02	1.22E-04	8.18E-05	-2.17E-05
4.23E+02	1.07E-04	3.59E-05	-5.72E-05
4.23E+02	8.39E-05	1.07E-05	-7.17E-05
4.23E+02	9.80E-05	2.57E-05	-7.10E-05
4.23E+02	8.20E-05	4.98E-05	-6.01E-05
4.23E+02	3.53E-05	4.22E-05	-1.34E-04
4.23E+02	1.26E-05	5.26E-05	-1.57E-04
4.23E+02	-7.63E-07	8.05E-05	-1.40E-04
4.23E+02	-1.07E-05	9.46E-05	-1.69E-04
4.23E+02	-5.07E-05	9.54E-05	-1.53E-04
4.23E+02	-1.01E-04	8.49E-05	-1.36E-04
4.23E+02	-1.03E-04	8.37E-05	-1.23E-04
4.23E+02	-1.24E-04	8.51E-05	-7.69E-05
4.23E+02	-1.75E-04	6.73E-05	-6.58E-05

4.23E+02	-1.95E-04	6.18E-05	-2.56E-05
4.23E+02	-1.94E-04	6.56E-05	1.62E-05
4.23E+02	-1.68E-04	5.28E-05	-1.13E-05
4.23E+02	-1.70E-04	3.95E-05	1.53E-06
4.23E+02	-1.93E-04	2.84E-05	3.07E-05
4.23E+02	-1.66E-04	5.11E-05	6.05E-05
4.23E+02	-1.63E-04	8.93E-05	9.21E-05
4.23E+02	-1.80E-04	8.16E-05	3.11E-05
4.23E+02	-1.71E-04	7.84E-05	6.68E-06
4.23E+02	-1.61E-04	9.50E-05	4.43E-05
4.24E+02	-1.31E-04	9.77E-05	3.13E-05
4.24E+02	-1.29E-04	9.06E-05	3.64E-05
4.24E+02	-1.45E-04	6.24E-05	4.18E-05
4.24E+02	-9.63E-05	4.46E-05	4.94E-05
4.24E+02	-6.26E-05	3.01E-05	7.21E-05
4.24E+02	-6.24E-05	-1.37E-05	1.45E-05
4.24E+02	-3.72E-05	-3.78E-05	-1.85E-05
4.24E+02	-9.54E-07	-4.67E-05	-1.91E-06
4.24E+02	6.41E-05	-6.69E-05	-4.04E-05
4.24E+02	9.35E-05	-9.00E-05	-4.50E-05
4.24E+02	8.53E-05	-1.14E-04	-3.24E-06
4.24E+02	1.23E-04	-1.08E-04	6.69E-05
4.24E+02	1.18E-04	-1.01E-04	1.27E-04
4.24E+02	6.94E-05	-1.33E-04	7.10E-05
4.24E+02	3.57E-05	-1.57E-04	3.24E-05
4.24E+02	-1.13E-05	-1.58E-04	4.62E-05
4.24E+02	-5.49E-05	-1.53E-04	1.18E-05
4.24E+02	-1.29E-04	-1.27E-04	1.91E-06
4.24E+02	-2.20E-04	-1.03E-04	-7.82E-06
4.24E+02	-2.48E-04	-8.07E-05	-2.56E-05
4.24E+02	-2.76E-04	-6.48E-05	-7.44E-06
4.24E+02	-3.17E-04	-8.91E-05	-4.56E-05
4.24E+02	-3.19E-04	-1.04E-04	-6.28E-05
4.24E+02	-3.03E-04	-9.48E-05	-1.09E-05
4.24E+02	-2.53E-04	-1.04E-04	-2.31E-05
4.24E+02	-2.26E-04	-1.23E-04	-2.84E-05
4.24E+02	-2.29E-04	-1.43E-04	1.96E-05
4.24E+02	-1.96E-04	-1.50E-04	6.41E-05
4.24E+02	-1.91E-04	-1.39E-04	1.13E-04
4.24E+02	-2.09E-04	-1.53E-04	9.19E-05
4.24E+02	-2.25E-04	-1.76E-04	4.98E-05
4.24E+02	-2.40E-04	-1.65E-04	6.45E-05
4.24E+02	-2.32E-04	-1.52E-04	4.65E-05
4.24E+02	-2.53E-04	-1.55E-04	3.01E-05
4.24E+02	-2.97E-04	-1.77E-04	2.71E-05
4.24E+02	-2.82E-04	-1.99E-04	1.91E-05
4.24E+02	-2.65E-04	-2.04E-04	3.81E-05

4.24E+02	-2.83E-04	-2.49E-04	-4.96E-06
4.24E+02	-2.77E-04	-2.84E-04	-3.97E-05
4.24E+02	-2.60E-04	-2.85E-04	-2.10E-05
4.24E+02	-2.23E-04	-2.99E-04	-7.99E-05
4.24E+02	-2.12E-04	-3.05E-04	-1.28E-04
4.24E+02	-2.49E-04	-3.10E-04	-1.22E-04
4.24E+02	-2.48E-04	-3.01E-04	-1.05E-04
4.24E+02	-2.62E-04	-2.78E-04	-5.36E-05
4.24E+02	-3.02E-04	-2.83E-04	-6.66E-05
4.24E+02	-3.22E-04	-3.01E-04	-1.02E-04
4.24E+02	-3.32E-04	-2.99E-04	-7.15E-05
4.24E+02	-2.93E-04	-2.81E-04	-6.58E-05
4.24E+02	-2.57E-04	-2.60E-04	-7.13E-05
4.24E+02	-2.53E-04	-2.45E-04	-6.14E-05
4.24E+02	-1.89E-04	-2.20E-04	-5.17E-05
4.24E+02	-1.16E-04	-1.82E-04	2.29E-06
4.24E+02	-1.02E-04	-1.72E-04	1.45E-05
4.24E+02	-9.12E-05	-1.72E-04	-7.63E-06
4.24E+02	-7.88E-05	-1.56E-04	1.24E-05
4.24E+02	-6.37E-05	-1.57E-04	-2.06E-05
4.24E+02	-6.96E-05	-1.74E-04	-5.63E-05
4.24E+02	-1.25E-04	-2.00E-04	-5.00E-05
4.24E+02	-1.38E-04	-2.08E-04	-2.08E-05
4.24E+02	-1.38E-04	-1.86E-04	5.97E-05
4.24E+02	-1.69E-04	-1.99E-04	6.24E-05
4.24E+02	-1.60E-04	-2.28E-04	3.24E-05
4.24E+02	-1.29E-04	-2.32E-04	7.10E-05
4.24E+02	-7.25E-05	-2.40E-04	7.17E-05
4.24E+02	-2.63E-05	-2.40E-04	7.13E-05
4.24E+02	-3.11E-05	-2.45E-04	8.91E-05
4.24E+02	1.81E-05	-2.46E-04	9.31E-05
4.24E+02	7.63E-05	-2.29E-04	1.29E-04
4.24E+02	7.42E-05	-2.52E-04	1.16E-04
4.24E+02	7.21E-05	-2.95E-04	8.03E-05
4.24E+02	6.62E-05	-3.16E-04	9.54E-05
4.24E+02	7.08E-05	-3.47E-04	5.21E-05
4.24E+02	6.12E-05	-3.72E-04	-1.85E-05
4.24E+02	7.25E-06	-3.96E-04	-4.92E-05
4.24E+02	-8.96E-06	-3.98E-04	-5.26E-05
4.24E+02	-9.54E-06	-3.64E-04	-1.60E-05
4.24E+02	-5.11E-05	-3.65E-04	-2.84E-05
4.24E+02	-7.88E-05	-3.75E-04	-7.11E-05
4.24E+02	-8.11E-05	-3.62E-04	-4.83E-05
4.24E+02	-5.68E-05	-3.46E-04	-2.69E-05
4.24E+02	-3.45E-05	-3.28E-04	-2.25E-05
4.24E+02	-6.16E-05	-3.23E-04	-1.56E-05
4.24E+02	-4.83E-05	-3.15E-04	-1.39E-05

4.24E+02	-1.77E-05	-2.97E-04	2.14E-05
4.24E+02	-3.87E-05	-3.04E-04	3.81E-05
4.24E+02	-4.43E-05	-3.31E-04	2.96E-05
4.24E+02	-3.87E-05	-3.36E-04	7.76E-05
4.24E+02	-9.92E-06	-3.30E-04	9.23E-05
4.24E+02	1.35E-05	-3.52E-04	3.78E-05
4.24E+02	-1.98E-05	-3.75E-04	1.72E-05
4.24E+02	-1.56E-05	-3.72E-04	3.64E-05
4.24E+02	1.34E-05	-3.50E-04	6.64E-05
4.24E+02	-3.81E-06	-3.45E-04	2.54E-05
4.24E+02	-1.64E-05	-3.50E-04	-3.64E-05
4.24E+02	-1.14E-06	-3.31E-04	-2.48E-06
4.24E+02	3.49E-05	-3.07E-04	2.31E-05
4.24E+02	4.98E-05	-2.86E-04	1.75E-05
4.24E+02	1.68E-05	-2.70E-04	2.31E-05
4.24E+02	1.37E-05	-2.47E-04	2.54E-05
4.24E+02	2.40E-05	-2.03E-04	6.94E-05
4.24E+02	-1.43E-05	-1.81E-04	9.08E-05
4.24E+02	-4.83E-05	-1.68E-04	6.50E-05
4.24E+02	-6.16E-05	-1.38E-04	1.02E-04
4.24E+02	-6.68E-05	-1.15E-04	1.15E-04
4.24E+02	-5.65E-05	-8.79E-05	8.18E-05
4.24E+02	-7.40E-05	-6.24E-05	9.99E-05
4.24E+02	-7.40E-05	-2.69E-05	1.17E-04
4.24E+02	-3.40E-05	3.47E-05	1.51E-04
4.24E+02	-6.22E-05	5.13E-05	1.21E-04
4.24E+02	-9.61E-05	3.66E-05	1.34E-06
4.24E+02	-8.60E-05	4.98E-05	-3.40E-05
4.24E+02	-7.90E-05	6.16E-05	-4.44E-05
4.24E+02	-6.60E-05	6.98E-05	-7.15E-05
4.24E+02	-9.59E-05	6.62E-05	-5.65E-05
4.24E+02	-1.02E-04	5.19E-05	-4.39E-05
4.24E+02	-5.95E-05	5.93E-05	-4.20E-06
4.24E+02	-6.07E-05	4.94E-05	2.88E-05
4.24E+02	-6.81E-05	2.59E-05	9.16E-06
4.24E+02	-6.66E-05	2.84E-05	2.96E-05
4.24E+02	-4.58E-05	2.59E-05	2.50E-05
4.24E+02	-1.79E-05	1.60E-05	-2.57E-05
4.24E+02	-4.63E-05	2.48E-06	-1.96E-05
4.24E+02	-6.79E-05	-1.30E-05	-1.91E-07
4.24E+02	-6.92E-05	1.53E-06	6.10E-05
4.24E+02	-1.14E-04	-3.81E-07	9.82E-05
4.24E+02	-1.56E-04	-2.78E-05	5.65E-05
4.24E+02	-1.65E-04	-3.89E-05	6.81E-05
4.24E+02	-1.48E-04	-6.01E-05	5.40E-05
4.24E+02	-1.18E-04	-8.11E-05	1.01E-05
4.24E+02	-1.33E-04	-9.99E-05	-3.24E-06

4.24E+02	-1.08E-04	-1.03E-04	-2.31E-05
4.24E+02	-2.14E-05	-6.77E-05	1.56E-05
4.24E+02	2.67E-06	-5.13E-05	3.74E-05
4.24E+02	2.25E-05	-4.29E-05	8.01E-06
4.24E+02	5.46E-05	-1.39E-05	2.90E-05
4.24E+02	7.48E-05	1.70E-05	3.57E-05
4.24E+02	1.06E-04	4.23E-05	-8.01E-06
4.24E+02	8.47E-05	5.63E-05	-4.04E-05
4.24E+02	6.26E-05	8.79E-05	-4.56E-05
4.24E+02	7.08E-05	1.46E-04	-5.53E-06
4.24E+02	3.30E-05	1.75E-04	2.80E-05
4.24E+02	-1.09E-05	1.60E-04	1.45E-05
4.24E+02	-2.77E-05	1.51E-04	5.99E-05
4.24E+02	-2.98E-05	1.38E-04	1.27E-04
4.24E+02	-1.66E-05	1.05E-04	1.45E-04
4.24E+02	-3.60E-05	8.53E-05	1.82E-04
4.24E+02	-5.21E-05	5.82E-05	1.83E-04
4.24E+02	-1.96E-05	4.94E-05	1.77E-04
4.24E+02	-1.45E-05	5.59E-05	2.03E-04
4.24E+02	-2.69E-05	3.09E-05	1.68E-04
4.24E+02	-2.44E-05	1.60E-05	1.72E-04
4.24E+02	-1.16E-05	-5.15E-06	1.77E-04
4.24E+02	1.58E-05	-3.97E-05	9.52E-05
4.24E+02	-3.81E-06	-6.48E-05	4.35E-05
4.24E+02	-2.25E-05	-6.54E-05	2.21E-05
4.24E+02	4.39E-06	-1.58E-05	3.76E-05
4.24E+02	-1.22E-05	3.70E-05	5.04E-05
4.24E+02	-4.54E-05	6.62E-05	-7.06E-06
4.24E+02	-5.78E-05	9.75E-05	-8.01E-06
4.24E+02	-5.59E-05	1.33E-04	2.48E-05
4.24E+02	-4.18E-05	1.56E-04	1.64E-05
4.24E+02	-6.77E-05	1.61E-04	1.28E-05
4.24E+02	-7.76E-05	1.61E-04	-1.22E-05
4.24E+02	-3.43E-05	1.85E-04	-3.62E-06
4.24E+02	-2.35E-05	2.08E-04	3.66E-05
4.24E+02	-3.17E-05	1.92E-04	8.96E-06
4.24E+02	-2.67E-05	1.88E-04	2.40E-05
4.24E+02	-1.93E-05	1.84E-04	8.37E-05
4.24E+02	4.01E-06	1.59E-04	7.38E-05
4.24E+02	-8.20E-06	1.34E-04	6.33E-05
4.24E+02	-3.59E-05	1.07E-04	6.31E-05
4.24E+02	-1.09E-05	1.18E-04	7.67E-05
4.24E+02	-1.81E-05	1.33E-04	8.24E-05
4.24E+02	-4.54E-05	1.09E-04	1.53E-05
4.24E+02	-3.09E-05	1.03E-04	1.91E-07
4.24E+02	-8.96E-06	1.15E-04	4.60E-05
4.24E+02	2.56E-05	1.16E-04	3.87E-05

4.24E+02	2.29E-05	1.09E-04	1.45E-05
4.24E+02	2.29E-06	9.35E-05	-1.47E-05
4.24E+02	2.23E-05	9.48E-05	-3.47E-05
4.24E+02	2.65E-05	1.12E-04	-2.17E-05
4.24E+02	2.12E-05	1.06E-04	-4.60E-05
4.24E+02	3.20E-05	1.17E-04	-4.27E-05
4.24E+02	5.78E-05	1.56E-04	5.72E-07
4.24E+02	1.10E-04	1.83E-04	-3.19E-05
4.24E+02	1.38E-04	2.08E-04	-4.46E-05
4.24E+02	1.44E-04	2.31E-04	-1.43E-05
4.24E+02	1.83E-04	2.65E-04	9.35E-06
4.24E+02	1.92E-04	2.90E-04	2.80E-05
4.24E+02	1.54E-04	2.63E-04	-2.44E-05
4.24E+02	1.39E-04	2.35E-04	-4.79E-05
4.24E+02	1.33E-04	2.31E-04	-6.68E-06
4.24E+02	1.35E-04	2.25E-04	1.01E-05
4.24E+02	1.15E-04	2.26E-04	3.32E-05
4.24E+02	8.03E-05	2.25E-04	3.74E-05
4.24E+02	9.57E-05	2.27E-04	3.28E-05
4.24E+02	9.73E-05	2.34E-04	4.77E-05
4.24E+02	7.27E-05	2.08E-04	1.30E-05
4.24E+02	5.11E-05	1.77E-04	-1.14E-06
4.25E+02	3.40E-05	1.64E-04	4.04E-05
4.25E+02	3.91E-05	1.39E-04	1.66E-05
4.25E+02	5.34E-06	1.18E-04	-2.59E-05
4.25E+02	-4.14E-05	1.25E-04	-3.60E-05
4.25E+02	-3.68E-05	1.58E-04	-4.29E-05
4.25E+02	-4.10E-05	2.00E-04	-2.31E-05
4.25E+02	-4.84E-05	2.13E-04	-4.86E-05
4.25E+02	-2.40E-05	2.20E-04	-6.28E-05
4.25E+02	9.54E-06	2.47E-04	7.44E-06
4.25E+02	6.60E-05	2.58E-04	4.58E-05
4.25E+02	1.03E-04	2.58E-04	7.42E-05
4.25E+02	1.01E-04	2.42E-04	8.66E-05
4.25E+02	1.51E-04	2.27E-04	6.69E-05
4.25E+02	1.96E-04	2.37E-04	7.25E-05
4.25E+02	1.84E-04	2.23E-04	2.61E-05
4.25E+02	1.84E-04	2.18E-04	-1.24E-05
4.25E+02	1.85E-04	2.25E-04	7.82E-06
4.25E+02	1.97E-04	2.10E-04	-2.48E-06
4.25E+02	1.87E-04	1.83E-04	1.47E-05
4.25E+02	1.29E-04	1.33E-04	5.47E-05
4.25E+02	1.23E-04	1.13E-04	9.73E-05
4.25E+02	1.15E-04	1.06E-04	1.33E-04
4.25E+02	6.10E-05	6.18E-05	5.87E-05
4.25E+02	4.67E-05	2.84E-05	3.24E-06
4.25E+02	4.84E-05	1.26E-05	5.17E-05

4.25E+02	6.22E-05	3.05E-06	7.31E-05
4.25E+02	6.69E-05	-7.63E-06	7.76E-05
4.25E+02	2.42E-05	-3.72E-05	6.26E-05
4.25E+02	3.01E-05	-5.26E-05	3.40E-05
4.25E+02	4.83E-05	-4.73E-05	4.65E-05
4.25E+02	2.19E-05	-6.08E-05	2.00E-05
4.25E+02	1.89E-05	-6.66E-05	-7.44E-06
4.25E+02	1.95E-05	-4.63E-05	2.80E-05
4.25E+02	3.38E-05	-3.89E-05	2.77E-05
4.25E+02	4.33E-05	-3.55E-05	2.82E-05
4.25E+02	-5.72E-07	-3.05E-05	5.25E-05
4.25E+02	-1.72E-06	-1.53E-05	6.29E-05
4.25E+02	3.43E-06	1.03E-05	1.03E-04
4.25E+02	-4.37E-05	9.54E-07	7.13E-05
4.25E+02	-4.84E-05	-1.45E-05	4.58E-06
4.25E+02	-3.53E-05	-5.34E-06	3.45E-05
4.25E+02	-1.35E-05	6.29E-06	6.10E-05
4.25E+02	3.62E-06	1.74E-05	7.71E-05
4.25E+02	-2.21E-05	2.23E-05	1.05E-04
4.25E+02	5.15E-06	4.41E-05	1.06E-04
4.25E+02	5.23E-05	8.77E-05	1.24E-04
4.25E+02	5.87E-05	9.17E-05	1.07E-04
4.25E+02	8.07E-05	7.31E-05	7.88E-05
4.25E+02	1.04E-04	7.76E-05	1.25E-04
4.25E+02	1.42E-04	7.63E-05	1.18E-04
4.25E+02	1.69E-04	7.06E-05	7.48E-05
4.25E+02	1.39E-04	6.92E-05	8.96E-05
4.25E+02	1.34E-04	6.79E-05	9.42E-05
4.25E+02	1.44E-04	8.35E-05	1.11E-04
4.25E+02	1.18E-04	7.27E-05	9.71E-05
4.25E+02	8.96E-05	2.23E-05	3.76E-05
4.25E+02	6.77E-05	-1.81E-05	5.05E-05
4.25E+02	6.48E-05	-5.34E-05	6.56E-05
4.25E+02	5.32E-05	-8.18E-05	7.25E-05
4.25E+02	-2.29E-06	-1.05E-04	8.51E-05
4.25E+02	-1.20E-05	-1.18E-04	5.02E-05
4.25E+02	1.28E-05	-1.09E-04	4.83E-05
4.25E+02	-9.92E-06	-1.17E-04	3.41E-05
4.25E+02	-1.03E-05	-1.21E-04	-1.66E-05
4.25E+02	1.45E-05	-9.98E-05	-7.63E-06
4.25E+02	4.12E-05	-8.07E-05	-2.75E-05
4.25E+02	7.67E-05	-6.07E-05	-8.14E-05
4.25E+02	6.24E-05	-5.04E-05	-7.36E-05
4.25E+02	7.23E-05	-2.50E-05	-3.53E-05
4.25E+02	1.14E-04	2.21E-05	2.77E-05
4.25E+02	1.03E-04	4.41E-05	3.78E-05
4.25E+02	9.52E-05	5.53E-05	-2.54E-05

4.25E+02	1.15E-04	9.23E-05	-1.93E-05
4.25E+02	1.52E-04	1.36E-04	-6.48E-06
4.25E+02	1.80E-04	1.61E-04	-2.67E-05
4.25E+02	1.66E-04	1.72E-04	-1.05E-05
4.25E+02	1.74E-04	1.72E-04	-1.95E-05
4.25E+02	1.96E-04	1.78E-04	-1.70E-05
4.25E+02	1.76E-04	1.75E-04	-1.83E-05
4.25E+02	1.52E-04	1.62E-04	-5.21E-05
4.25E+02	1.48E-04	1.71E-04	-1.58E-05
4.25E+02	1.61E-04	1.60E-04	-6.29E-06
4.25E+02	1.91E-04	1.27E-04	-4.16E-05
4.25E+02	1.79E-04	9.82E-05	-3.47E-05
4.25E+02	1.75E-04	8.22E-05	-2.21E-05
4.25E+02	2.09E-04	9.33E-05	2.00E-05
4.25E+02	1.96E-04	8.30E-05	1.16E-05
4.25E+02	1.89E-04	4.84E-05	-5.13E-05
4.25E+02	2.13E-04	3.64E-05	-3.34E-05
4.25E+02	2.40E-04	3.89E-05	-9.16E-06
4.25E+02	2.63E-04	4.83E-05	-5.34E-06
4.25E+02	2.23E-04	5.49E-05	8.39E-06
4.25E+02	1.99E-04	6.28E-05	-8.20E-06
4.25E+02	2.24E-04	9.23E-05	0.00E+00
4.25E+02	1.99E-04	1.04E-04	-1.91E-07
4.25E+02	1.74E-04	9.10E-05	-5.09E-05
4.25E+02	1.76E-04	9.02E-05	-4.94E-05
4.25E+02	1.84E-04	7.53E-05	-6.37E-05
4.25E+02	2.06E-04	4.35E-05	-1.41E-04
4.25E+02	1.82E-04	2.67E-06	-1.79E-04
4.25E+02	1.74E-04	-2.38E-05	-1.84E-04
4.25E+02	2.07E-04	-1.72E-06	-1.46E-04
4.25E+02	1.90E-04	5.53E-06	-1.23E-04
4.25E+02	1.73E-04	-2.48E-06	-1.49E-04
4.25E+02	1.74E-04	1.16E-05	-1.09E-04
4.25E+02	1.83E-04	2.59E-05	-5.61E-05
4.25E+02	1.85E-04	3.38E-05	-5.65E-05
4.25E+02	1.51E-04	3.34E-05	-5.53E-05
4.25E+02	1.63E-04	5.15E-05	-4.69E-05
4.25E+02	2.23E-04	8.13E-05	-6.87E-06
4.25E+02	2.56E-04	8.56E-05	1.45E-05
4.25E+02	2.95E-04	6.50E-05	-3.95E-05
4.25E+02	3.47E-04	6.08E-05	-3.38E-05
4.25E+02	3.97E-04	6.89E-05	-2.37E-05
4.25E+02	4.47E-04	5.65E-05	-9.46E-05
4.25E+02	4.31E-04	5.21E-05	-1.26E-04
4.25E+02	3.99E-04	6.10E-05	-1.22E-04
4.25E+02	3.98E-04	9.16E-05	-6.94E-05
4.25E+02	3.47E-04	1.15E-04	-3.45E-05

4.25E+02	2.84E-04	1.05E-04	-8.20E-05
4.25E+02	2.46E-04	1.11E-04	-7.31E-05
4.25E+02	2.26E-04	1.21E-04	-4.63E-05
4.25E+02	2.29E-04	1.19E-04	-6.05E-05
4.25E+02	1.86E-04	1.16E-04	-7.32E-05
4.25E+02	1.55E-04	1.20E-04	-9.69E-05
4.25E+02	1.72E-04	1.44E-04	-1.09E-04
4.25E+02	1.45E-04	1.60E-04	-1.23E-04
4.25E+02	1.19E-04	1.76E-04	-1.50E-04
4.25E+02	1.17E-04	2.03E-04	-1.15E-04
4.25E+02	1.15E-04	2.23E-04	-6.47E-05
4.25E+02	1.39E-04	2.31E-04	-8.51E-05
4.25E+02	1.23E-04	2.33E-04	-7.84E-05
4.25E+02	9.02E-05	2.38E-04	-3.28E-05
4.25E+02	1.10E-04	2.66E-04	1.35E-05
4.25E+02	1.00E-04	2.90E-04	4.50E-05
4.25E+02	7.69E-05	2.72E-04	-8.39E-06
4.25E+02	9.40E-05	2.61E-04	-3.89E-05
4.25E+02	1.16E-04	2.57E-04	-3.07E-05
4.25E+02	1.55E-04	2.35E-04	-7.65E-05
4.25E+02	1.65E-04	2.19E-04	-9.23E-05
4.25E+02	1.67E-04	1.87E-04	-1.02E-04
4.25E+02	2.26E-04	1.75E-04	-9.23E-05
4.25E+02	2.56E-04	1.72E-04	-4.18E-05
4.25E+02	2.59E-04	1.40E-04	-5.15E-05
4.25E+02	2.72E-04	1.27E-04	-2.21E-05
4.25E+02	2.72E-04	1.11E-04	1.79E-05
4.25E+02	2.91E-04	9.56E-05	-3.99E-05
4.25E+02	2.66E-04	9.08E-05	-9.00E-05
4.25E+02	2.16E-04	8.79E-05	-1.17E-04
4.25E+02	2.25E-04	1.30E-04	-9.54E-05
4.25E+02	1.90E-04	1.64E-04	-6.26E-05
4.25E+02	1.30E-04	1.62E-04	-1.14E-04
4.25E+02	1.17E-04	1.69E-04	-1.31E-04
4.25E+02	1.04E-04	1.72E-04	-9.19E-05
4.25E+02	1.01E-04	1.74E-04	-7.02E-05
4.25E+02	8.03E-05	1.80E-04	-5.05E-05
4.25E+02	6.24E-05	1.79E-04	-5.17E-05
4.25E+02	1.14E-04	1.96E-04	-3.47E-05
4.25E+02	1.49E-04	2.23E-04	8.20E-06
4.25E+02	1.48E-04	2.09E-04	-1.11E-05
4.25E+02	1.70E-04	1.85E-04	-1.72E-05
4.25E+02	1.85E-04	1.63E-04	1.09E-05
4.25E+02	1.99E-04	1.26E-04	-4.50E-05
4.25E+02	1.83E-04	1.05E-04	-1.15E-04
4.25E+02	1.29E-04	8.89E-05	-1.48E-04
4.25E+02	1.16E-04	1.02E-04	-1.53E-04

4.25E+02	9.10E-05	1.38E-04	-1.20E-04
4.25E+02	2.56E-05	1.10E-04	-1.37E-04
4.25E+02	-3.81E-07	8.56E-05	-1.15E-04
4.25E+02	7.25E-06	9.33E-05	-2.17E-05
4.25E+02	3.60E-05	8.60E-05	-2.48E-06
4.25E+02	5.09E-05	9.21E-05	6.29E-06
4.25E+02	2.99E-05	7.65E-05	5.72E-07
4.25E+02	4.83E-05	6.52E-05	-3.53E-05
4.25E+02	5.61E-05	7.29E-05	-2.99E-05
4.25E+02	2.57E-05	4.58E-05	-4.63E-05
4.25E+02	1.09E-05	2.77E-05	-2.29E-05
4.25E+02	3.62E-06	2.27E-05	6.14E-05
4.25E+02	2.10E-05	4.01E-06	7.84E-05
4.25E+02	1.03E-05	-2.14E-05	7.67E-05
4.25E+02	-2.37E-05	-3.53E-05	7.92E-05
4.25E+02	7.82E-06	-6.68E-06	6.56E-05
4.25E+02	3.64E-05	3.99E-05	5.00E-05
4.25E+02	2.88E-05	6.50E-05	-3.40E-05
4.25E+02	3.78E-05	8.87E-05	-8.85E-05
4.25E+02	5.09E-05	1.18E-04	-6.41E-05
4.25E+02	6.81E-05	1.32E-04	-7.36E-05
4.25E+02	5.57E-05	1.27E-04	-6.39E-05
4.25E+02	1.11E-05	9.42E-05	-4.75E-05
4.25E+02	1.77E-05	6.83E-05	-5.13E-05
4.25E+02	2.37E-05	7.27E-05	-1.34E-05
4.25E+02	-5.53E-06	6.48E-05	-1.96E-05
4.25E+02	-1.03E-05	6.54E-05	-3.74E-05
4.25E+02	-3.05E-06	8.62E-05	4.96E-06
4.25E+02	3.13E-05	9.08E-05	-1.07E-05
4.25E+02	5.86E-05	8.54E-05	-5.36E-05
4.25E+02	4.83E-05	7.61E-05	-6.16E-05
4.25E+02	7.59E-05	9.04E-05	-6.05E-05
4.25E+02	1.03E-04	1.15E-04	-4.86E-05
4.25E+02	9.16E-05	9.46E-05	-1.02E-04
4.26E+02	9.31E-05	7.23E-05	-1.63E-04
4.26E+02	1.03E-04	6.69E-05	-1.35E-04
4.26E+02	1.16E-04	5.99E-05	-1.18E-04
4.26E+02	9.46E-05	5.02E-05	-1.25E-04
4.26E+02	3.81E-05	2.67E-05	-1.27E-04
4.26E+02	4.27E-05	2.08E-05	-1.15E-04
4.26E+02	5.53E-05	2.12E-05	-6.71E-05
4.26E+02	2.92E-05	-7.06E-06	-6.16E-05
4.26E+02	3.07E-05	-3.30E-05	-5.40E-05
4.26E+02	3.03E-05	-3.97E-05	9.54E-07
4.26E+02	5.19E-05	-5.07E-05	-9.16E-06
4.26E+02	7.40E-05	-6.54E-05	-3.81E-05
4.26E+02	5.59E-05	-7.44E-05	-2.44E-05

4.26E+02	8.85E-05	-6.07E-05	-5.72E-07
4.26E+02	1.20E-04	-2.44E-05	3.22E-05
4.26E+02	1.24E-04	-1.51E-05	4.20E-06
4.26E+02	1.45E-04	-2.67E-05	-4.75E-05
4.26E+02	1.71E-04	-2.44E-05	2.10E-06
4.26E+02	2.32E-04	-2.35E-05	6.50E-05
4.26E+02	2.49E-04	-3.66E-05	7.00E-05
4.26E+02	2.13E-04	-5.34E-05	6.07E-05
4.26E+02	2.23E-04	-4.94E-05	2.61E-05
4.26E+02	2.34E-04	-2.06E-05	9.73E-06
4.26E+02	2.12E-04	-1.14E-06	-2.67E-05
4.26E+02	1.94E-04	6.10E-06	-8.66E-05
4.26E+02	1.83E-04	2.73E-05	-6.64E-05
4.26E+02	1.92E-04	4.73E-05	-7.99E-05
4.26E+02	1.87E-04	4.90E-05	-1.17E-04
4.26E+02	1.48E-04	4.63E-05	-7.92E-05
4.26E+02	1.49E-04	5.61E-05	-3.01E-05
4.26E+02	1.72E-04	7.84E-05	3.87E-05
4.26E+02	1.55E-04	8.18E-05	4.98E-05
4.26E+02	1.37E-04	7.36E-05	5.91E-06
4.26E+02	1.15E-04	9.04E-05	3.76E-05
4.26E+02	1.01E-04	1.10E-04	5.61E-05
4.26E+02	8.43E-05	1.10E-04	5.00E-05
4.26E+02	2.21E-05	9.59E-05	5.80E-05
4.26E+02	-3.24E-06	8.68E-05	3.36E-05
4.26E+02	6.87E-06	9.73E-05	2.77E-05
4.26E+02	-6.29E-06	1.00E-04	1.68E-05
4.26E+02	-1.30E-05	8.26E-05	-1.24E-05
4.26E+02	-1.32E-05	6.03E-05	7.06E-06
4.26E+02	9.16E-06	2.73E-05	3.62E-06
4.26E+02	3.05E-05	-1.49E-05	-3.30E-05
4.26E+02	1.91E-06	-5.46E-05	-4.65E-05
4.26E+02	-6.68E-06	-6.75E-05	-5.17E-05
4.26E+02	8.01E-06	-5.13E-05	-2.44E-05
4.26E+02	-2.50E-05	-6.68E-05	-4.02E-05
4.26E+02	-6.54E-05	-1.02E-04	-8.75E-05
4.26E+02	-9.10E-05	-1.15E-04	-4.54E-05
4.26E+02	-1.02E-04	-1.35E-04	-9.54E-06
4.26E+02	-1.11E-04	-1.60E-04	3.62E-06
4.26E+02	-1.63E-04	-1.90E-04	3.57E-05
4.26E+02	-1.73E-04	-2.20E-04	2.63E-05
4.26E+02	-1.28E-04	-2.25E-04	3.89E-05
4.26E+02	-1.12E-04	-2.34E-04	6.29E-05
4.26E+02	-8.43E-05	-2.45E-04	5.30E-05
4.26E+02	-3.19E-05	-2.26E-04	8.79E-05
4.26E+02	3.28E-05	-2.04E-04	8.83E-05
4.26E+02	9.99E-05	-1.99E-04	1.14E-05

4.26E+02	1.12E-04	-2.05E-04	-3.22E-05
4.26E+02	1.29E-04	-1.94E-04	-4.23E-05
4.26E+02	1.66E-04	-1.47E-04	-3.20E-05
4.26E+02	1.43E-04	-1.13E-04	-6.33E-05
4.26E+02	1.03E-04	-9.75E-05	-1.37E-04
4.26E+02	8.74E-05	-5.95E-05	-1.18E-04
4.26E+02	8.34E-05	-2.04E-05	-6.85E-05
4.26E+02	8.54E-05	5.72E-06	-4.67E-05
4.26E+02	4.01E-05	1.01E-05	-2.59E-05
4.26E+02	1.54E-05	1.53E-06	-4.71E-05
4.26E+02	4.69E-05	2.10E-05	-5.05E-05
4.26E+02	3.36E-05	3.55E-05	-5.17E-05
4.26E+02	2.75E-05	2.78E-05	-7.32E-05
4.26E+02	4.10E-05	3.49E-05	-4.01E-06
4.26E+02	4.92E-05	3.40E-05	5.19E-05
4.26E+02	7.51E-05	5.91E-06	2.14E-05
4.26E+02	4.90E-05	-3.55E-05	1.79E-05
4.26E+02	3.03E-05	-5.72E-05	2.19E-05
4.26E+02	5.84E-05	-3.26E-05	3.95E-05
4.26E+02	4.29E-05	-2.21E-05	2.80E-05
4.26E+02	2.50E-05	-3.28E-05	-5.65E-05
4.26E+02	2.50E-05	-1.68E-05	-7.69E-05
4.26E+02	1.66E-05	-1.49E-05	-9.59E-05
4.26E+02	2.38E-05	-1.11E-05	-1.26E-04
4.26E+02	-1.01E-05	-1.14E-06	-8.30E-05
4.26E+02	-4.94E-05	-2.35E-05	-7.74E-05
4.26E+02	-3.36E-05	-1.85E-05	-5.28E-05
4.26E+02	-5.26E-05	-1.87E-05	-1.09E-05
4.26E+02	-7.65E-05	-4.79E-05	-2.48E-05
4.26E+02	-7.40E-05	-5.00E-05	1.62E-05
4.26E+02	-6.81E-05	-6.62E-05	3.22E-05
4.26E+02	-3.64E-05	-7.65E-05	-1.70E-05
4.26E+02	-4.98E-05	-7.57E-05	-1.43E-05
4.26E+02	-5.02E-05	-7.50E-05	5.91E-06
4.26E+02	1.01E-05	-2.99E-05	4.39E-05
4.26E+02	2.19E-05	-1.20E-05	4.67E-05
4.26E+02	3.45E-05	-3.95E-05	-4.16E-05
4.26E+02	6.87E-05	-6.05E-05	-8.09E-05
4.26E+02	1.01E-04	-6.26E-05	-7.78E-05
4.26E+02	1.49E-04	-5.13E-05	-1.06E-04
4.26E+02	1.38E-04	-5.59E-05	-1.24E-04
4.26E+02	1.33E-04	-5.86E-05	-1.49E-04
4.26E+02	1.85E-04	-5.32E-05	-1.42E-04
4.26E+02	1.91E-04	-7.08E-05	-1.11E-04
4.26E+02	1.79E-04	-1.02E-04	-1.30E-04
4.26E+02	1.81E-04	-1.10E-04	-1.03E-04
4.26E+02	1.79E-04	-1.01E-04	-5.32E-05

4.26E+02	1.95E-04	-9.80E-05	-6.60E-05
4.26E+02	1.71E-04	-1.08E-04	-5.76E-05
4.26E+02	1.49E-04	-1.25E-04	-4.46E-05
4.26E+02	1.87E-04	-1.25E-04	-2.33E-05
4.26E+02	1.85E-04	-1.37E-04	-1.14E-06
4.26E+02	1.60E-04	-1.89E-04	-3.70E-05
4.26E+02	1.68E-04	-2.41E-04	-2.04E-05
4.26E+02	1.91E-04	-2.77E-04	3.49E-05
4.26E+02	2.17E-04	-2.88E-04	4.31E-05
4.26E+02	1.94E-04	-2.81E-04	5.32E-05
4.26E+02	1.52E-04	-2.61E-04	4.48E-05
4.26E+02	1.57E-04	-2.05E-04	3.95E-05
4.26E+02	1.30E-04	-1.60E-04	4.75E-05
4.26E+02	7.69E-05	-1.58E-04	0.00E+00
4.26E+02	5.02E-05	-1.51E-04	-1.14E-05
4.26E+02	3.19E-05	-1.37E-04	1.72E-06
4.26E+02	3.11E-05	-1.34E-04	-6.12E-05
4.26E+02	-7.82E-06	-1.31E-04	-8.79E-05
4.26E+02	-4.84E-05	-1.10E-04	-4.71E-05
4.26E+02	-3.97E-05	-7.17E-05	4.20E-06
4.26E+02	-5.44E-05	-3.43E-05	4.41E-05
4.26E+02	-7.11E-05	-1.37E-05	2.16E-05
4.26E+02	-6.08E-05	3.62E-06	1.28E-05
4.26E+02	-4.06E-05	3.28E-05	4.08E-05
4.26E+02	-1.37E-05	5.87E-05	2.14E-05
4.26E+02	-2.10E-05	7.13E-05	-8.77E-06
4.26E+02	-4.14E-05	5.65E-05	-5.44E-05
4.26E+02	-2.56E-05	5.36E-05	-9.02E-05
4.26E+02	-3.81E-05	5.26E-05	-7.80E-05
4.26E+02	-7.23E-05	1.13E-05	-9.67E-05
4.26E+02	-8.32E-05	-1.07E-05	-7.63E-05
4.26E+02	-9.31E-05	-1.24E-05	-2.08E-05
4.26E+02	-6.77E-05	-1.93E-05	-3.55E-05
4.26E+02	-7.44E-05	-3.51E-05	-5.11E-05
4.26E+02	-1.14E-04	-5.59E-05	-5.68E-05
4.26E+02	-7.99E-05	-3.99E-05	-3.28E-05
4.26E+02	-7.21E-05	-3.38E-05	-1.16E-05
4.26E+02	-1.01E-04	-7.42E-05	-7.86E-05
4.26E+02	-7.97E-05	-1.03E-04	-9.57E-05
4.26E+02	-5.09E-05	-1.13E-04	-5.86E-05
4.26E+02	-1.54E-05	-1.24E-04	-5.74E-05
4.26E+02	3.81E-07	-1.31E-04	-3.59E-05
4.26E+02	-1.49E-05	-1.45E-04	-3.60E-05
4.26E+02	2.57E-05	-1.35E-04	-5.05E-05
4.26E+02	6.41E-05	-1.14E-04	-2.96E-05
4.26E+02	5.55E-05	-1.27E-04	-4.35E-05
4.26E+02	6.96E-05	-1.29E-04	-2.61E-05

4.26E+02	8.75E-05	-1.20E-04	4.10E-05
4.26E+02	1.08E-04	-1.25E-04	2.59E-05
4.26E+02	1.04E-04	-1.31E-04	-7.82E-06
4.26E+02	6.45E-05	-1.38E-04	2.86E-06
4.26E+02	6.89E-05	-1.17E-04	3.99E-05
4.26E+02	5.97E-05	-9.42E-05	8.53E-05
4.26E+02	1.83E-05	-1.13E-04	5.09E-05
4.26E+02	1.20E-05	-1.25E-04	2.92E-05
4.26E+02	2.04E-05	-1.23E-04	7.74E-05
4.26E+02	4.02E-05	-1.10E-04	9.17E-05
4.26E+02	2.80E-05	-8.51E-05	9.77E-05
4.26E+02	-1.95E-05	-8.20E-05	7.50E-05
4.26E+02	-1.45E-05	-5.91E-05	3.89E-05
4.26E+02	-7.82E-06	-3.17E-05	4.35E-05
4.26E+02	-4.27E-05	-3.74E-05	1.16E-05
4.26E+02	-6.52E-05	-1.14E-05	1.43E-05
4.26E+02	-8.18E-05	3.70E-05	7.29E-05
4.26E+02	-9.06E-05	6.73E-05	7.27E-05
4.26E+02	-1.26E-04	7.76E-05	5.84E-05
4.26E+02	-1.87E-04	7.71E-05	5.97E-05
4.26E+02	-1.84E-04	1.03E-04	9.00E-05
4.26E+02	-1.89E-04	1.32E-04	1.34E-04
4.26E+02	-2.32E-04	1.29E-04	9.71E-05
4.26E+02	-2.37E-04	1.27E-04	6.69E-05
4.26E+02	-2.33E-04	1.42E-04	9.00E-05
4.26E+02	-2.12E-04	1.46E-04	6.71E-05
4.26E+02	-2.14E-04	1.32E-04	3.41E-05
4.26E+02	-2.58E-04	9.16E-05	6.87E-06
4.26E+02	-2.44E-04	4.60E-05	-1.87E-05
4.26E+02	-2.24E-04	2.00E-05	-8.39E-06
4.26E+02	-2.37E-04	-2.46E-05	-4.01E-05
4.26E+02	-2.31E-04	-5.68E-05	-5.42E-05
4.26E+02	-2.15E-04	-5.66E-05	2.31E-05
4.26E+02	-1.71E-04	-7.86E-05	3.36E-05
4.26E+02	-1.33E-04	-1.13E-04	2.21E-05
4.26E+02	-1.32E-04	-1.37E-04	8.22E-05
4.26E+02	-1.04E-04	-1.47E-04	1.37E-04
4.26E+02	-6.39E-05	-1.41E-04	2.01E-04
4.26E+02	-6.07E-05	-1.54E-04	2.01E-04
4.26E+02	-5.89E-05	-1.77E-04	1.57E-04
4.26E+02	-3.87E-05	-1.79E-04	1.69E-04
4.26E+02	-4.39E-06	-1.77E-04	1.42E-04
4.26E+02	7.06E-06	-1.67E-04	1.18E-04
4.26E+02	-1.54E-05	-1.66E-04	1.12E-04
4.26E+02	8.96E-06	-1.63E-04	7.92E-05
4.26E+02	4.02E-05	-1.28E-04	8.58E-05
4.27E+02	2.73E-05	-1.20E-04	6.18E-05

4.27E+02	3.28E-05	-1.18E-04	3.74E-05
4.27E+02	4.27E-05	-9.04E-05	8.49E-05
4.27E+02	6.45E-05	-8.87E-05	7.50E-05
4.27E+02	7.76E-05	-9.71E-05	6.35E-05
4.27E+02	3.28E-05	-1.02E-04	1.24E-04
4.27E+02	2.25E-05	-9.25E-05	1.64E-04
4.27E+02	3.17E-05	-6.28E-05	1.94E-04
4.27E+02	-2.86E-06	-6.92E-05	1.60E-04
4.27E+02	-2.99E-05	-8.98E-05	9.54E-05
4.27E+02	-3.80E-05	-8.83E-05	1.23E-04
4.27E+02	-2.35E-05	-9.44E-05	1.46E-04
4.27E+02	-2.63E-05	-9.44E-05	1.57E-04
4.27E+02	-7.55E-05	-1.08E-04	1.63E-04
4.27E+02	-7.92E-05	-1.25E-04	1.24E-04
4.27E+02	-5.61E-05	-1.02E-04	1.20E-04
4.27E+02	-7.57E-05	-1.04E-04	8.79E-05
4.27E+02	-9.14E-05	-1.05E-04	5.49E-05
4.27E+02	-9.78E-05	-7.97E-05	1.07E-04
4.27E+02	-9.54E-05	-9.19E-05	1.05E-04
4.27E+02	-9.67E-05	-1.13E-04	8.37E-05
4.27E+02	-1.38E-04	-1.34E-04	1.03E-04
4.27E+02	-1.47E-04	-1.44E-04	1.10E-04
4.27E+02	-1.41E-04	-1.11E-04	1.29E-04
4.27E+02	-1.72E-04	-9.31E-05	6.98E-05
4.27E+02	-1.78E-04	-9.27E-05	-2.12E-05
4.27E+02	-1.50E-04	-6.26E-05	8.20E-06
4.27E+02	-1.17E-04	-3.38E-05	5.46E-05
4.27E+02	-1.01E-04	-1.91E-05	7.15E-05
4.27E+02	-1.34E-04	-1.75E-05	8.87E-05
4.27E+02	-1.46E-04	-1.68E-05	7.99E-05
4.27E+02	-1.21E-04	1.26E-05	8.14E-05
4.27E+02	-1.37E-04	1.18E-05	5.28E-05
4.27E+02	-1.56E-04	-6.29E-06	1.05E-05
4.27E+02	-1.55E-04	1.75E-05	3.78E-05
4.27E+02	-1.50E-04	2.48E-05	3.15E-05
4.27E+02	-1.38E-04	5.15E-06	-2.67E-06
4.27E+02	-1.69E-04	-2.06E-05	2.06E-05
4.27E+02	-1.79E-04	-5.13E-05	5.78E-05
4.27E+02	-1.60E-04	-6.18E-05	1.26E-04
4.27E+02	-1.96E-04	-8.85E-05	1.58E-04
4.27E+02	-2.18E-04	-1.39E-04	1.27E-04
4.27E+02	-2.02E-04	-1.57E-04	1.47E-04
4.27E+02	-1.74E-04	-1.50E-04	1.63E-04
4.27E+02	-1.50E-04	-1.50E-04	1.57E-04
4.27E+02	-1.76E-04	-1.51E-04	1.64E-04
4.27E+02	-1.64E-04	-1.53E-04	1.43E-04
4.27E+02	-1.09E-04	-1.42E-04	1.37E-04

4.27E+02	-1.04E-04	-1.44E-04	1.04E-04
4.27E+02	-1.24E-04	-1.85E-04	1.24E-05
4.27E+02	-1.33E-04	-2.05E-04	-4.77E-06
4.27E+02	-1.09E-04	-2.00E-04	-1.53E-06
4.27E+02	-8.66E-05	-2.03E-04	-4.16E-05
4.27E+02	-1.00E-04	-2.07E-04	-3.15E-05
4.27E+02	-8.85E-05	-2.01E-04	8.39E-06
4.27E+02	-5.46E-05	-1.71E-04	6.41E-05
4.27E+02	-5.61E-05	-1.67E-04	6.58E-05
4.27E+02	-5.95E-05	-1.97E-04	1.05E-05
4.27E+02	-4.77E-05	-1.95E-04	5.00E-05
4.27E+02	-2.14E-05	-1.72E-04	1.05E-04
4.27E+02	5.72E-06	-1.47E-04	1.26E-04
4.27E+02	-2.61E-05	-1.29E-04	1.51E-04
4.27E+02	-4.04E-05	-1.26E-04	1.25E-04
4.27E+02	-1.09E-05	-1.15E-04	1.07E-04
4.27E+02	-3.47E-05	-1.29E-04	6.90E-05
4.27E+02	-6.47E-05	-1.71E-04	-3.62E-06
4.27E+02	-6.83E-05	-1.95E-04	1.32E-05
4.27E+02	-5.78E-05	-2.18E-04	4.54E-05
4.27E+02	-3.91E-05	-2.46E-04	4.69E-05
4.27E+02	-6.12E-05	-2.76E-04	7.23E-05
4.27E+02	-6.92E-05	-2.98E-04	9.31E-05
4.27E+02	-4.67E-05	-2.86E-04	1.26E-04
4.27E+02	-4.98E-05	-2.81E-04	1.09E-04
4.27E+02	-5.59E-05	-3.05E-04	2.12E-05
4.27E+02	-5.53E-05	-3.01E-04	1.32E-05
4.27E+02	-4.22E-05	-2.75E-04	4.84E-05
4.27E+02	-2.92E-05	-2.65E-04	4.65E-05
4.27E+02	-6.81E-05	-2.59E-04	6.89E-05
4.27E+02	-1.00E-04	-2.56E-04	8.62E-05
4.27E+02	-8.32E-05	-2.38E-04	1.10E-04
4.27E+02	-1.01E-04	-2.27E-04	1.33E-04
4.27E+02	-1.31E-04	-2.33E-04	1.04E-04
4.27E+02	-1.21E-04	-2.13E-04	1.14E-04
4.27E+02	-8.89E-05	-1.99E-04	1.16E-04
4.27E+02	-4.67E-05	-1.87E-04	5.95E-05
4.27E+02	-4.39E-05	-1.86E-04	3.80E-05
4.27E+02	-3.93E-05	-1.98E-04	4.18E-05
4.27E+02	8.58E-06	-1.77E-04	7.82E-05
4.27E+02	1.64E-05	-1.82E-04	9.10E-05
4.27E+02	4.77E-06	-2.10E-04	4.14E-05
4.27E+02	1.24E-05	-2.12E-04	4.69E-05
4.27E+02	2.50E-05	-2.08E-04	6.75E-05
4.27E+02	3.97E-05	-2.00E-04	5.38E-05
4.27E+02	6.87E-06	-2.02E-04	5.00E-05
4.27E+02	-3.03E-05	-2.17E-04	2.06E-05

4.27E+02	-1.58E-05	-2.05E-04	5.72E-06
4.27E+02	-2.77E-05	-2.11E-04	1.49E-05
4.27E+02	-6.66E-05	-2.44E-04	-1.87E-05
4.27E+02	-8.93E-05	-2.44E-04	-1.14E-06
4.27E+02	-1.08E-04	-2.46E-04	3.59E-05
4.27E+02	-1.05E-04	-2.71E-04	5.15E-06
4.27E+02	-1.41E-04	-2.99E-04	4.39E-06
4.27E+02	-1.93E-04	-3.18E-04	2.33E-05
4.27E+02	-1.88E-04	-2.91E-04	6.45E-05
4.27E+02	-2.32E-04	-2.68E-04	8.56E-05
4.27E+02	-2.89E-04	-2.66E-04	3.22E-05
4.27E+02	-2.97E-04	-2.43E-04	2.99E-05
4.27E+02	-3.10E-04	-2.23E-04	4.29E-05
4.27E+02	-3.09E-04	-2.09E-04	3.32E-05
4.27E+02	-3.44E-04	-1.99E-04	4.44E-05
4.27E+02	-3.75E-04	-1.83E-04	2.77E-05
4.27E+02	-3.40E-04	-1.41E-04	2.59E-05
4.27E+02	-3.24E-04	-9.80E-05	3.66E-05
4.27E+02	-3.31E-04	-7.19E-05	-5.53E-06
4.27E+02	-3.24E-04	-3.74E-05	-3.62E-06
4.27E+02	-3.03E-04	5.72E-06	4.25E-05
4.27E+02	-2.60E-04	2.59E-05	4.29E-05
4.27E+02	-2.56E-04	1.77E-05	6.60E-05
4.27E+02	-2.77E-04	7.82E-06	1.10E-04
4.27E+02	-2.49E-04	3.55E-05	1.53E-04
4.27E+02	-2.50E-04	6.45E-05	1.67E-04
4.27E+02	-2.61E-04	6.77E-05	8.64E-05
4.27E+02	-2.39E-04	8.75E-05	3.53E-05
4.27E+02	-2.20E-04	1.05E-04	3.62E-05
4.27E+02	-1.72E-04	1.10E-04	1.18E-05
4.27E+02	-1.63E-04	1.01E-04	1.01E-05
4.27E+02	-1.77E-04	6.71E-05	-1.72E-06
4.27E+02	-1.23E-04	5.70E-05	-1.16E-05
4.27E+02	-1.01E-04	6.22E-05	9.92E-06
4.27E+02	-1.28E-04	3.38E-05	-2.17E-05
4.27E+02	-1.41E-04	6.10E-06	-3.07E-05
4.27E+02	-1.52E-04	-1.66E-05	2.14E-05
4.27E+02	-1.55E-04	-4.73E-05	2.99E-05
4.27E+02	-1.83E-04	-7.71E-05	4.94E-05
4.27E+02	-2.30E-04	-1.09E-04	8.68E-05
4.27E+02	-2.26E-04	-1.03E-04	1.14E-04
4.27E+02	-2.25E-04	-7.36E-05	1.37E-04
4.27E+02	-2.57E-04	-7.15E-05	6.98E-05
4.27E+02	-2.56E-04	-6.03E-05	2.46E-05
4.27E+02	-2.39E-04	-3.09E-05	5.82E-05
4.27E+02	-2.20E-04	-1.22E-05	3.99E-05
4.27E+02	-2.27E-04	-9.92E-06	3.22E-05

4.27E+02	-2.62E-04	-3.60E-05	2.44E-05
4.27E+02	-2.59E-04	-7.31E-05	-1.16E-05
4.27E+02	-2.47E-04	-9.06E-05	8.39E-06
4.27E+02	-2.53E-04	-1.19E-04	8.58E-06
4.27E+02	-2.53E-04	-1.52E-04	7.44E-06
4.27E+02	-2.43E-04	-1.65E-04	2.94E-05
4.27E+02	-2.06E-04	-1.81E-04	-2.37E-05
4.27E+02	-1.91E-04	-1.88E-04	-5.55E-05
4.27E+02	-1.96E-04	-1.81E-04	-3.36E-05
4.27E+02	-1.62E-04	-1.50E-04	-7.63E-07
4.27E+02	-1.47E-04	-1.08E-04	4.50E-05
4.27E+02	-1.71E-04	-1.01E-04	1.66E-05
4.27E+02	-1.84E-04	-9.37E-05	-2.29E-06
4.27E+02	-1.75E-04	-8.03E-05	3.51E-05
4.27E+02	-1.50E-04	-7.51E-05	4.67E-05
4.27E+02	-1.61E-04	-7.46E-05	6.01E-05
4.27E+02	-1.94E-04	-9.57E-05	3.85E-05
4.27E+02	-1.56E-04	-8.07E-05	2.46E-05
4.27E+02	-1.30E-04	-4.46E-05	4.01E-05
4.27E+02	-1.51E-04	-3.95E-05	-1.54E-05
4.27E+02	-1.34E-04	-1.16E-05	-3.72E-05
4.27E+02	-1.05E-04	2.54E-05	-8.58E-06
4.27E+02	-6.47E-05	4.27E-05	-5.04E-05
4.27E+02	-4.27E-05	5.34E-05	-8.35E-05
4.27E+02	-6.52E-05	5.02E-05	-7.21E-05
4.27E+02	-5.30E-05	6.31E-05	-3.80E-05
4.27E+02	-5.44E-05	7.97E-05	1.20E-05
4.27E+02	-1.04E-04	4.75E-05	-2.23E-05
4.27E+02	-1.28E-04	8.39E-06	-6.58E-05
4.27E+02	-1.20E-04	-5.91E-06	-3.85E-05
4.27E+02	-9.00E-05	-8.39E-06	-3.74E-05
4.27E+02	-7.88E-05	2.29E-06	-4.31E-05
4.27E+02	-1.05E-04	8.58E-06	-5.11E-05
4.27E+02	-8.22E-05	3.70E-05	-6.45E-05
4.27E+02	-4.60E-05	6.66E-05	-3.89E-05
4.27E+02	-7.27E-05	3.43E-05	-5.55E-05
4.27E+02	-9.69E-05	-1.91E-07	-8.60E-05
4.27E+02	-1.06E-04	-2.06E-05	-5.02E-05
4.27E+02	-1.04E-04	-5.05E-05	-5.82E-05
4.27E+02	-9.61E-05	-6.14E-05	-8.85E-05
4.27E+02	-1.26E-04	-6.56E-05	-7.50E-05
4.27E+02	-1.24E-04	-3.85E-05	-5.25E-05
4.27E+02	-1.10E-04	1.41E-05	2.02E-05
4.27E+02	-1.51E-04	1.91E-05	2.99E-05
4.27E+02	-1.71E-04	9.73E-06	-3.24E-05
4.27E+02	-1.76E-04	2.48E-05	-1.07E-05
4.27E+02	-1.79E-04	3.51E-05	-1.91E-05

4.27E+02	-1.86E-04	3.28E-05	-8.74E-05
4.27E+02	-2.40E-04	1.34E-05	-1.46E-04
4.27E+02	-2.51E-04	9.54E-06	-1.87E-04
4.27E+02	-2.41E-04	4.29E-05	-1.74E-04
4.27E+02	-2.79E-04	4.56E-05	-2.09E-04
4.27E+02	-3.04E-04	2.00E-05	-2.25E-04
4.27E+02	-3.19E-04	5.72E-06	-1.65E-04
4.27E+02	-3.03E-04	-9.73E-06	-1.97E-04
4.27E+02	-2.77E-04	-2.04E-05	-2.30E-04
4.27E+02	-3.10E-04	-2.35E-05	-2.15E-04
4.27E+02	-2.89E-04	5.15E-06	-2.17E-04
4.28E+02	-2.48E-04	5.17E-05	-1.69E-04
4.28E+02	-2.66E-04	5.30E-05	-1.64E-04
4.28E+02	-2.57E-04	2.16E-05	-2.04E-04
4.28E+02	-2.32E-04	-5.34E-06	-1.61E-04
4.28E+02	-1.88E-04	-2.29E-05	-1.09E-04
4.28E+02	-1.68E-04	-3.09E-05	-7.97E-05
4.28E+02	-2.13E-04	-3.66E-05	-6.98E-05
4.28E+02	-2.02E-04	-3.43E-05	-8.74E-05
4.28E+02	-1.80E-04	-1.75E-05	-8.11E-05
4.28E+02	-2.08E-04	-5.34E-06	-7.19E-05
4.28E+02	-2.17E-04	5.34E-06	-7.23E-05
4.28E+02	-2.20E-04	2.78E-05	-5.23E-05
4.28E+02	-1.92E-04	5.95E-05	-7.48E-05
4.28E+02	-1.46E-04	8.22E-05	-1.21E-04
4.28E+02	-1.42E-04	7.31E-05	-1.33E-04
4.28E+02	-1.05E-04	7.51E-05	-1.35E-04
4.28E+02	-4.92E-05	1.02E-04	-9.90E-05
4.28E+02	-5.19E-05	9.46E-05	-1.08E-04
4.28E+02	-5.42E-05	6.94E-05	-1.72E-04
4.28E+02	-4.56E-05	5.84E-05	-1.80E-04
4.28E+02	-2.92E-05	5.13E-05	-1.76E-04
4.28E+02	-1.89E-05	3.85E-05	-1.81E-04
4.28E+02	-7.19E-05	2.21E-05	-1.68E-04
4.28E+02	-8.74E-05	2.33E-05	-1.36E-04
4.28E+02	-7.00E-05	2.86E-05	-9.80E-05
4.28E+02	-1.03E-04	1.91E-05	-1.02E-04
4.28E+02	-1.26E-04	-7.44E-06	-1.41E-04
4.28E+02	-1.44E-04	-3.32E-05	-1.25E-04
4.28E+02	-1.39E-04	-4.92E-05	-1.13E-04
4.28E+02	-1.09E-04	-8.41E-05	-1.69E-04
4.28E+02	-1.26E-04	-1.26E-04	-1.69E-04
4.28E+02	-1.21E-04	-1.38E-04	-1.17E-04
4.28E+02	-8.01E-05	-1.25E-04	-6.68E-05
4.28E+02	-7.36E-05	-1.40E-04	-7.88E-05
4.28E+02	-6.71E-05	-1.80E-04	-1.50E-04
4.28E+02	-5.44E-05	-1.79E-04	-1.33E-04

4.28E+02	-3.13E-05	-1.55E-04	-9.67E-05
4.28E+02	-1.09E-05	-1.28E-04	-9.73E-05
4.28E+02	-4.63E-05	-9.65E-05	-7.32E-05
4.28E+02	-5.28E-05	-6.90E-05	-7.15E-05
4.28E+02	-3.41E-05	-1.35E-05	-3.97E-05
4.28E+02	-6.56E-05	2.00E-05	-7.06E-06
4.28E+02	-8.62E-05	2.17E-05	-3.20E-05
4.28E+02	-9.71E-05	5.87E-05	-7.25E-06
4.28E+02	-1.01E-04	8.83E-05	-1.28E-05
4.28E+02	-9.00E-05	1.03E-04	-8.26E-05
4.28E+02	-1.36E-04	1.16E-04	-1.11E-04
4.28E+02	-1.77E-04	1.19E-04	-1.24E-04
4.28E+02	-1.78E-04	1.51E-04	-9.67E-05
4.28E+02	-2.28E-04	1.58E-04	-8.07E-05
4.28E+02	-2.77E-04	1.32E-04	-1.32E-04
4.28E+02	-2.92E-04	1.30E-04	-1.19E-04
4.28E+02	-2.92E-04	1.41E-04	-7.06E-05
4.28E+02	-2.88E-04	1.69E-04	-4.08E-05
4.28E+02	-3.28E-04	1.81E-04	1.91E-06
4.28E+02	-3.57E-04	1.79E-04	1.30E-05
4.28E+02	-3.39E-04	2.12E-04	4.14E-05
4.28E+02	-3.37E-04	2.28E-04	5.70E-05
4.28E+02	-3.45E-04	2.19E-04	1.54E-05
4.28E+02	-3.37E-04	2.26E-04	3.76E-05
4.28E+02	-3.05E-04	2.19E-04	4.96E-05
4.28E+02	-2.57E-04	2.04E-04	1.47E-05
4.28E+02	-2.45E-04	1.89E-04	3.01E-05
4.28E+02	-2.30E-04	1.70E-04	2.94E-05
4.28E+02	-1.80E-04	1.94E-04	5.42E-05
4.28E+02	-1.89E-04	2.12E-04	7.48E-05
4.28E+02	-2.11E-04	1.83E-04	2.29E-06
4.28E+02	-1.88E-04	1.65E-04	-2.23E-05
4.28E+02	-1.57E-04	1.64E-04	-3.62E-06
4.28E+02	-1.23E-04	1.74E-04	5.72E-06
4.28E+02	-1.38E-04	1.71E-04	9.16E-06
4.28E+02	-1.37E-04	1.59E-04	-2.00E-05
4.28E+02	-6.92E-05	1.93E-04	-6.68E-06
4.28E+02	-4.98E-05	2.05E-04	-1.18E-05
4.28E+02	-4.92E-05	1.79E-04	-7.67E-05
4.28E+02	-3.26E-05	1.85E-04	-5.65E-05
4.28E+02	-2.19E-05	1.95E-04	-8.77E-06
4.28E+02	-1.14E-06	1.97E-04	-2.12E-05
4.28E+02	-2.33E-05	1.95E-04	-1.87E-05
4.28E+02	-5.17E-05	1.88E-04	1.53E-06
4.28E+02	-3.47E-05	2.14E-04	4.22E-05
4.28E+02	-4.48E-05	2.29E-04	4.39E-05
4.28E+02	-6.94E-05	2.01E-04	-3.76E-05

4.28E+02	-7.57E-05	1.93E-04	-6.24E-05
4.28E+02	-7.21E-05	1.92E-04	-5.15E-05
4.28E+02	-3.87E-05	1.77E-04	-6.52E-05
4.28E+02	-3.09E-05	1.64E-04	-3.38E-05
4.28E+02	-3.13E-05	1.49E-04	9.92E-06
4.28E+02	2.14E-05	1.55E-04	5.86E-05
4.28E+02	4.56E-05	1.77E-04	1.04E-04
4.28E+02	3.17E-05	1.87E-04	9.14E-05
4.28E+02	3.66E-05	2.18E-04	1.11E-04
4.28E+02	7.15E-05	2.72E-04	1.51E-04
4.28E+02	1.17E-04	3.01E-04	1.13E-04
4.28E+02	1.18E-04	3.08E-04	8.83E-05
4.28E+02	1.21E-04	3.13E-04	8.91E-05
4.28E+02	1.69E-04	3.37E-04	9.61E-05
4.28E+02	1.84E-04	3.66E-04	1.11E-04
4.28E+02	1.83E-04	3.63E-04	5.80E-05
4.28E+02	1.99E-04	3.65E-04	4.90E-05
4.28E+02	2.17E-04	3.89E-04	9.88E-05
4.28E+02	2.40E-04	4.13E-04	1.03E-04
4.28E+02	2.20E-04	4.21E-04	1.03E-04
4.28E+02	1.88E-04	4.13E-04	5.68E-05
4.28E+02	2.12E-04	4.17E-04	8.96E-06
4.28E+02	2.08E-04	4.24E-04	9.73E-06
4.28E+02	1.71E-04	4.12E-04	-3.55E-05
4.28E+02	1.68E-04	4.23E-04	-3.17E-05
4.28E+02	1.75E-04	4.49E-04	1.95E-05
4.28E+02	1.95E-04	4.51E-04	-1.09E-05
4.28E+02	1.89E-04	4.38E-04	-3.55E-05
4.28E+02	1.58E-04	4.16E-04	-3.81E-05
4.28E+02	1.71E-04	4.28E-04	-5.53E-06
4.28E+02	1.62E-04	4.58E-04	4.43E-05
4.28E+02	1.13E-04	4.40E-04	-2.86E-06
4.28E+02	9.50E-05	4.17E-04	-1.70E-05
4.28E+02	1.01E-04	3.99E-04	2.61E-05
4.28E+02	1.13E-04	3.67E-04	3.80E-05
4.28E+02	9.59E-05	3.39E-04	7.08E-05
4.28E+02	5.49E-05	2.82E-04	6.22E-05
4.28E+02	7.34E-05	2.36E-04	5.19E-05
4.28E+02	1.07E-04	2.14E-04	8.64E-05
4.28E+02	9.61E-05	1.54E-04	4.41E-05
4.28E+02	9.90E-05	1.19E-04	3.36E-05
4.28E+02	1.18E-04	1.11E-04	7.82E-05
4.28E+02	1.50E-04	9.71E-05	3.09E-05
4.28E+02	1.63E-04	8.98E-05	-1.49E-05
4.28E+02	1.33E-04	7.78E-05	-9.92E-06
4.28E+02	1.39E-04	1.11E-04	2.52E-05
4.28E+02	1.37E-04	1.61E-04	6.68E-05

4.28E+02	9.35E-05	1.60E-04	1.77E-05
4.28E+02	7.53E-05	1.64E-04	-1.70E-05
4.28E+02	7.84E-05	1.86E-04	1.66E-05
4.28E+02	1.09E-04	1.96E-04	1.28E-05
4.28E+02	1.27E-04	2.03E-04	2.08E-05
4.28E+02	1.18E-04	2.11E-04	4.83E-05
4.28E+02	1.59E-04	2.34E-04	7.13E-05
4.28E+02	1.75E-04	2.75E-04	1.04E-04
4.28E+02	1.44E-04	3.02E-04	7.32E-05
4.28E+02	1.36E-04	3.39E-04	5.59E-05
4.28E+02	1.19E-04	3.76E-04	8.30E-05
4.28E+02	1.10E-04	3.89E-04	4.63E-05
4.28E+02	8.56E-05	4.02E-04	3.38E-05
4.28E+02	2.78E-05	3.99E-04	6.20E-05
4.28E+02	2.37E-05	4.10E-04	9.54E-05
4.28E+02	2.10E-05	4.31E-04	1.47E-04
4.28E+02	-1.16E-05	4.02E-04	1.05E-04
4.28E+02	-1.91E-06	3.69E-04	5.76E-05
4.28E+02	3.05E-05	3.62E-04	8.47E-05
4.28E+02	8.34E-05	3.53E-04	5.97E-05
4.28E+02	1.27E-04	3.46E-04	3.45E-05
4.28E+02	1.20E-04	3.29E-04	2.02E-05
4.28E+02	1.41E-04	3.15E-04	-1.51E-05
4.28E+02	1.71E-04	3.12E-04	2.10E-06
4.28E+02	1.46E-04	2.78E-04	-3.43E-06
4.28E+02	1.24E-04	2.52E-04	-6.10E-06
4.28E+02	1.13E-04	2.34E-04	3.93E-05
4.28E+02	1.18E-04	1.95E-04	1.37E-05
4.28E+02	1.28E-04	1.63E-04	-2.86E-06
4.28E+02	8.75E-05	1.31E-04	2.16E-05
4.28E+02	9.38E-05	1.30E-04	5.28E-05
4.28E+02	1.26E-04	1.60E-04	1.15E-04
4.28E+02	1.01E-04	1.47E-04	8.41E-05
4.28E+02	1.02E-04	1.20E-04	2.37E-05
4.28E+02	1.09E-04	1.09E-04	2.10E-05
4.28E+02	1.28E-04	1.07E-04	6.48E-06
4.28E+02	1.47E-04	1.30E-04	1.77E-05
4.28E+02	8.95E-05	1.49E-04	2.65E-05
4.28E+02	7.21E-05	1.70E-04	1.91E-05
4.28E+02	9.44E-05	2.05E-04	4.60E-05
4.28E+02	6.73E-05	2.06E-04	4.56E-05
4.28E+02	5.61E-05	1.96E-04	4.50E-05
4.28E+02	5.61E-05	2.09E-04	9.59E-05
4.28E+02	7.25E-05	2.25E-04	8.11E-05
4.28E+02	9.90E-05	2.36E-04	2.73E-05
4.28E+02	7.95E-05	2.40E-04	2.48E-05
4.28E+02	8.53E-05	2.58E-04	2.38E-05

4.28E+02	9.92E-05	2.87E-04	3.83E-05
4.28E+02	7.29E-05	2.77E-04	-1.91E-06
4.28E+02	6.22E-05	2.39E-04	-7.40E-05
4.28E+02	7.72E-05	2.21E-04	-4.27E-05
4.28E+02	1.30E-04	2.06E-04	-3.87E-05
4.28E+02	1.67E-04	1.90E-04	-7.72E-05
4.28E+02	1.61E-04	1.82E-04	-7.86E-05
4.28E+02	1.94E-04	1.86E-04	-7.92E-05
4.28E+02	2.32E-04	2.15E-04	-3.51E-05
4.28E+02	2.27E-04	2.16E-04	-9.92E-06
4.28E+02	2.19E-04	1.92E-04	-8.77E-06
4.28E+02	2.10E-04	1.94E-04	6.66E-05
4.28E+02	2.05E-04	1.99E-04	8.18E-05
4.28E+02	2.03E-04	2.03E-04	1.85E-05
4.28E+02	1.64E-04	2.04E-04	-7.63E-07
4.28E+02	1.49E-04	2.04E-04	5.34E-06
4.28E+02	1.61E-04	2.23E-04	3.85E-05
4.28E+02	1.40E-04	2.12E-04	2.37E-05
4.28E+02	1.49E-04	1.69E-04	-2.73E-05
4.28E+02	1.67E-04	1.45E-04	1.24E-05
4.28E+02	1.81E-04	1.19E-04	3.43E-05
4.28E+02	2.11E-04	8.24E-05	1.75E-05
4.28E+02	1.79E-04	4.81E-05	8.39E-06
4.29E+02	1.72E-04	3.09E-05	-2.08E-05
4.29E+02	2.09E-04	5.28E-05	-3.24E-06
4.29E+02	2.00E-04	6.81E-05	-6.68E-06
4.29E+02	2.12E-04	7.46E-05	-5.36E-05
4.29E+02	2.26E-04	9.90E-05	-3.34E-05
4.29E+02	2.36E-04	1.08E-04	-4.56E-05
4.29E+02	2.58E-04	1.04E-04	-1.19E-04
4.29E+02	2.15E-04	9.08E-05	-1.37E-04
4.29E+02	1.91E-04	8.75E-05	-1.22E-04
4.29E+02	2.18E-04	1.14E-04	-7.99E-05
4.29E+02	2.00E-04	1.18E-04	-6.58E-05
4.29E+02	1.94E-04	9.56E-05	-1.03E-04
4.29E+02	2.18E-04	8.87E-05	-5.82E-05
4.29E+02	2.42E-04	8.95E-05	2.29E-06
4.29E+02	2.80E-04	7.23E-05	1.91E-05
4.29E+02	2.79E-04	4.04E-05	4.35E-05
4.29E+02	2.84E-04	5.72E-06	3.15E-05
4.29E+02	3.37E-04	-2.17E-05	3.43E-05
4.29E+02	3.42E-04	-5.40E-05	1.93E-05
4.29E+02	3.25E-04	-8.09E-05	-4.33E-05
4.29E+02	3.27E-04	-6.71E-05	-3.93E-05
4.29E+02	3.43E-04	-4.41E-05	-5.15E-05
4.29E+02	3.68E-04	-2.92E-05	-9.46E-05
4.29E+02	3.43E-04	-2.44E-05	-7.99E-05

4.29E+02	3.28E-04	-2.56E-05	-6.01E-05
4.29E+02	3.40E-04	-9.73E-06	-2.67E-05
4.29E+02	3.14E-04	-1.16E-05	-3.24E-05
4.29E+02	2.97E-04	-3.03E-05	-1.08E-04
4.29E+02	3.03E-04	-2.48E-05	-1.11E-04
4.29E+02	3.16E-04	-1.47E-05	-7.46E-05
4.29E+02	3.26E-04	-1.20E-05	-7.90E-05
4.29E+02	2.91E-04	-9.16E-06	-7.10E-05
4.29E+02	2.54E-04	-2.19E-05	-6.71E-05
4.29E+02	2.61E-04	-1.13E-05	-3.53E-05
4.29E+02	2.59E-04	6.29E-06	2.48E-06
4.29E+02	2.38E-04	-1.34E-05	-3.07E-05
4.29E+02	2.42E-04	-1.01E-05	-1.16E-05
4.29E+02	2.68E-04	-4.01E-06	2.50E-05
4.29E+02	3.00E-04	-1.56E-05	-2.25E-05
4.29E+02	3.00E-04	-2.50E-05	-6.35E-05
4.29E+02	3.11E-04	-2.44E-05	-8.11E-05
4.29E+02	3.54E-04	1.05E-05	-5.72E-05
4.29E+02	3.49E-04	2.08E-05	-4.77E-05
4.29E+02	3.24E-04	-7.06E-06	-1.03E-04
4.29E+02	3.11E-04	-1.85E-05	-9.04E-05
4.29E+02	2.92E-04	-2.94E-05	-5.36E-05
4.29E+02	2.85E-04	-4.12E-05	-4.50E-05
4.29E+02	2.41E-04	-4.56E-05	9.54E-07
4.29E+02	1.93E-04	-6.07E-05	2.57E-05
4.29E+02	2.03E-04	-5.68E-05	3.72E-05
4.29E+02	1.85E-04	-4.77E-05	3.36E-05
4.29E+02	1.50E-04	-6.26E-05	-1.66E-05
4.29E+02	1.43E-04	-5.87E-05	-2.19E-05
4.29E+02	1.46E-04	-5.02E-05	-1.34E-05
4.29E+02	1.69E-04	-6.58E-05	-4.48E-05
4.29E+02	1.62E-04	-8.85E-05	-4.39E-05
4.29E+02	1.70E-04	-9.21E-05	-1.91E-06
4.29E+02	2.22E-04	-8.09E-05	6.35E-05
4.29E+02	2.31E-04	-8.91E-05	1.01E-04
4.29E+02	2.32E-04	-1.17E-04	6.75E-05
4.29E+02	2.49E-04	-1.43E-04	6.33E-05
4.29E+02	2.67E-04	-1.54E-04	7.42E-05
4.29E+02	2.99E-04	-1.54E-04	4.43E-05
4.29E+02	2.96E-04	-1.58E-04	3.01E-05
4.29E+02	2.84E-04	-1.60E-04	1.14E-06
4.29E+02	3.14E-04	-1.43E-04	-1.58E-05
4.29E+02	3.02E-04	-1.31E-04	-2.08E-05
4.29E+02	2.52E-04	-1.47E-04	-8.96E-05
4.29E+02	2.31E-04	-1.46E-04	-1.07E-04
4.29E+02	2.16E-04	-1.34E-04	-7.67E-05
4.29E+02	2.10E-04	-1.47E-04	-1.00E-04

4.29E+02	1.83E-04	-1.64E-04	-9.23E-05
4.29E+02	1.44E-04	-1.73E-04	-4.18E-05
4.29E+02	1.56E-04	-1.63E-04	3.22E-05
4.29E+02	1.51E-04	-1.61E-04	7.97E-05
4.29E+02	1.33E-04	-2.06E-04	3.17E-05
4.29E+02	1.50E-04	-2.38E-04	1.39E-05
4.29E+02	1.80E-04	-2.44E-04	2.27E-05
4.29E+02	2.30E-04	-2.46E-04	-1.26E-05
4.29E+02	2.44E-04	-2.29E-04	-3.89E-05
4.29E+02	2.49E-04	-2.14E-04	-7.11E-05
4.29E+02	3.15E-04	-1.91E-04	-6.35E-05
4.29E+02	3.52E-04	-1.67E-04	-1.32E-05
4.29E+02	3.55E-04	-1.79E-04	-1.05E-05
4.29E+02	3.73E-04	-1.82E-04	7.82E-06
4.29E+02	3.88E-04	-1.70E-04	2.27E-05
4.29E+02	4.13E-04	-1.72E-04	-5.57E-05
4.29E+02	4.05E-04	-1.83E-04	-1.36E-04
4.29E+02	3.78E-04	-1.93E-04	-1.63E-04
4.29E+02	3.94E-04	-1.67E-04	-1.21E-04
4.29E+02	3.79E-04	-1.35E-04	-5.95E-05
4.29E+02	3.40E-04	-1.55E-04	-8.05E-05
4.29E+02	3.27E-04	-1.71E-04	-7.72E-05
4.29E+02	3.21E-04	-1.69E-04	-2.02E-05
4.29E+02	3.42E-04	-1.70E-04	-1.09E-05
4.29E+02	3.24E-04	-1.53E-04	9.54E-06
4.29E+02	2.79E-04	-1.31E-04	3.01E-05
4.29E+02	2.98E-04	-8.09E-05	2.92E-05
4.29E+02	2.97E-04	-2.80E-05	5.42E-05
4.29E+02	2.71E-04	-3.13E-05	3.20E-05
4.29E+02	2.73E-04	-3.64E-05	3.49E-05
4.29E+02	2.78E-04	-2.63E-05	9.77E-05
4.29E+02	2.89E-04	-3.76E-05	6.50E-05
4.29E+02	2.69E-04	-4.81E-05	1.70E-05
4.29E+02	2.35E-04	-3.85E-05	1.34E-06
4.29E+02	2.33E-04	-1.05E-05	-1.72E-05
4.29E+02	2.02E-04	1.96E-05	-1.11E-05
4.29E+02	1.42E-04	2.12E-05	-6.60E-05
4.29E+02	1.03E-04	1.24E-05	-1.01E-04
4.29E+02	9.02E-05	1.95E-05	-7.10E-05
4.29E+02	1.01E-04	1.60E-05	-9.27E-05
4.29E+02	8.89E-05	-5.91E-06	-1.11E-04
4.29E+02	5.51E-05	-3.74E-05	-1.24E-04
4.29E+02	7.61E-05	-5.09E-05	-1.27E-04
4.29E+02	9.19E-05	-3.62E-05	-8.91E-05
4.29E+02	6.28E-05	-4.60E-05	-1.25E-04
4.29E+02	6.24E-05	-5.15E-05	-1.50E-04
4.29E+02	7.23E-05	-3.47E-05	-1.15E-04

4.29E+02	8.58E-05	-3.80E-05	-1.36E-04
4.29E+02	8.72E-05	-3.47E-05	-1.24E-04
4.29E+02	3.53E-05	-4.27E-05	-9.44E-05
4.29E+02	2.31E-05	-4.27E-05	-7.27E-05
4.29E+02	2.21E-05	-1.41E-05	-9.35E-06
4.29E+02	-2.69E-05	-3.41E-05	-3.95E-05
4.29E+02	-4.50E-05	-7.59E-05	-7.44E-05
4.29E+02	-4.56E-05	-1.06E-04	-2.44E-05
4.29E+02	-3.07E-05	-1.32E-04	-1.81E-05
4.29E+02	-2.92E-05	-1.37E-04	-1.24E-05
4.29E+02	-5.74E-05	-1.42E-04	-4.39E-06
4.29E+02	-1.81E-05	-1.38E-04	-3.17E-05
4.29E+02	2.33E-05	-1.28E-04	-3.85E-05
4.29E+02	1.89E-05	-1.40E-04	-6.81E-05
4.29E+02	3.32E-05	-1.40E-04	-7.92E-05
4.29E+02	4.54E-05	-1.30E-04	-2.75E-05
4.29E+02	6.07E-05	-1.38E-04	-3.85E-05
4.29E+02	4.65E-05	-1.67E-04	-7.46E-05
4.29E+02	-2.48E-06	-1.96E-04	-5.63E-05
4.29E+02	-1.05E-05	-1.83E-04	-2.42E-05
4.29E+02	-2.59E-05	-1.47E-04	-4.58E-06
4.29E+02	-6.64E-05	-1.17E-04	-6.29E-05
4.29E+02	-1.00E-04	-1.01E-04	-1.44E-04
4.29E+02	-1.26E-04	-8.89E-05	-1.44E-04
4.29E+02	-1.07E-04	-6.60E-05	-1.30E-04
4.29E+02	-1.10E-04	-4.90E-05	-1.27E-04
4.29E+02	-1.56E-04	-4.94E-05	-1.24E-04
4.29E+02	-1.53E-04	-3.30E-05	-1.10E-04
4.29E+02	-1.41E-04	-7.25E-06	-6.16E-05
4.29E+02	-1.64E-04	-2.23E-05	-6.26E-05
4.29E+02	-1.64E-04	-3.91E-05	-8.28E-05
4.29E+02	-1.43E-04	-3.26E-05	-3.66E-05
4.29E+02	-1.16E-04	-3.36E-05	-3.68E-05
4.29E+02	-1.01E-04	-3.43E-05	-7.90E-05
4.29E+02	-1.22E-04	-3.53E-05	-7.55E-05
4.29E+02	-1.07E-04	-2.16E-05	-5.68E-05
4.29E+02	-7.15E-05	5.15E-06	-3.11E-05
4.29E+02	-7.88E-05	-1.45E-05	-7.06E-05
4.29E+02	-7.31E-05	-4.46E-05	-1.28E-04
4.29E+02	-4.14E-05	-2.40E-05	-8.30E-05
4.29E+02	-4.77E-06	-2.25E-05	-5.55E-05
4.29E+02	1.62E-05	-4.90E-05	-5.49E-05
4.29E+02	-3.24E-06	-7.06E-05	-3.49E-05
4.29E+02	6.29E-06	-9.35E-05	-2.14E-05
4.29E+02	2.46E-05	-8.62E-05	3.05E-05
4.29E+02	-9.54E-06	-8.56E-05	3.53E-05
4.29E+02	-2.12E-05	-8.66E-05	1.56E-05

4.29E+02	-2.59E-05	-5.86E-05	5.42E-05
4.29E+02	-2.94E-05	-5.28E-05	2.33E-05
4.29E+02	-1.64E-05	-5.72E-05	-4.79E-05
4.29E+02	-5.46E-05	-7.19E-05	-8.89E-05
4.29E+02	-6.03E-05	-9.06E-05	-1.02E-04
4.29E+02	-3.57E-05	-8.49E-05	-5.09E-05
4.29E+02	-6.07E-05	-1.17E-04	-5.42E-05
4.29E+02	-5.63E-05	-1.72E-04	-8.87E-05
4.29E+02	-4.02E-05	-1.89E-04	-3.83E-05
4.29E+02	-2.86E-05	-1.98E-04	-1.62E-05
4.29E+02	-8.96E-06	-2.01E-04	-1.98E-05
4.29E+02	-2.94E-05	-2.00E-04	-1.30E-05
4.29E+02	-2.04E-05	-1.91E-04	-3.03E-05
4.29E+02	1.83E-05	-1.66E-04	-1.14E-05
4.29E+02	1.49E-05	-1.66E-04	-5.34E-06
4.29E+02	1.70E-05	-1.76E-04	-1.81E-05
4.29E+02	2.94E-05	-1.65E-04	3.36E-05
4.29E+02	5.15E-05	-1.58E-04	5.49E-05
4.29E+02	7.38E-05	-1.53E-04	3.78E-05
4.29E+02	4.29E-05	-1.45E-04	5.87E-05
4.29E+02	2.59E-05	-1.23E-04	8.07E-05
4.29E+02	2.54E-05	-7.50E-05	1.11E-04
4.29E+02	-3.11E-05	-6.08E-05	9.42E-05
4.29E+02	-7.93E-05	-8.58E-05	3.38E-05
4.29E+02	-9.71E-05	-9.02E-05	5.21E-05
4.29E+02	-1.10E-04	-9.59E-05	6.56E-05
4.29E+02	-1.12E-04	-9.77E-05	4.71E-05
4.29E+02	-1.50E-04	-1.01E-04	4.23E-05
4.29E+02	-1.69E-04	-1.19E-04	1.05E-05
4.29E+02	-1.24E-04	-1.05E-04	1.05E-05
4.29E+02	-1.35E-04	-1.14E-04	5.53E-06
4.29E+02	-1.51E-04	-1.39E-04	-8.77E-06
4.29E+02	-1.15E-04	-1.33E-04	4.75E-05
4.29E+02	-8.96E-05	-1.50E-04	7.32E-05
4.29E+02	-6.31E-05	-1.77E-04	7.29E-05
4.30E+02	-6.77E-05	-2.08E-04	1.06E-04
4.30E+02	-6.47E-05	-2.28E-04	1.40E-04
4.30E+02	-2.37E-05	-2.10E-04	1.90E-04
4.30E+02	-2.80E-05	-2.02E-04	1.72E-04
4.30E+02	-3.49E-05	-2.19E-04	8.49E-05
4.30E+02	-2.57E-05	-2.26E-04	6.28E-05
4.30E+02	-1.91E-05	-2.33E-04	5.13E-05
4.30E+02	3.24E-06	-2.43E-04	1.26E-05
4.30E+02	-2.23E-05	-2.60E-04	-1.66E-05
4.30E+02	-3.80E-05	-2.74E-04	-6.16E-05
4.30E+02	-8.01E-06	-2.57E-04	-5.55E-05
4.30E+02	-3.41E-05	-2.51E-04	-4.02E-05

4.30E+02	-6.41E-05	-2.61E-04	-6.37E-05
4.30E+02	-7.06E-05	-2.39E-04	-1.30E-05
4.30E+02	-6.89E-05	-2.12E-04	3.20E-05
4.30E+02	-6.05E-05	-2.04E-04	1.11E-05
4.30E+02	-1.02E-04	-2.11E-04	7.82E-06
4.30E+02	-1.09E-04	-2.03E-04	2.19E-05
4.30E+02	-7.55E-05	-1.72E-04	5.36E-05
4.30E+02	-7.88E-05	-1.71E-04	3.57E-05
4.30E+02	-5.40E-05	-1.81E-04	-3.47E-05
4.30E+02	-1.22E-05	-1.71E-04	-2.37E-05
4.30E+02	2.61E-05	-1.66E-04	1.11E-05
4.30E+02	6.39E-05	-1.61E-04	8.96E-06
4.30E+02	3.38E-05	-1.68E-04	2.80E-05
4.30E+02	3.81E-06	-1.90E-04	3.13E-05
4.30E+02	2.16E-05	-1.86E-04	3.87E-05
4.30E+02	-6.48E-06	-1.89E-04	4.73E-05
4.30E+02	-4.96E-05	-2.03E-04	2.16E-05
4.30E+02	-7.55E-05	-1.86E-04	5.72E-05
4.30E+02	-9.44E-05	-1.81E-04	8.81E-05
4.30E+02	-9.31E-05	-1.85E-04	6.10E-05
4.30E+02	-1.34E-04	-1.81E-04	6.68E-05
4.30E+02	-1.76E-04	-1.74E-04	6.92E-05
4.30E+02	-1.73E-04	-1.38E-04	8.66E-05
4.30E+02	-2.02E-04	-1.19E-04	8.34E-05
4.30E+02	-2.40E-04	-1.33E-04	4.96E-06
4.30E+02	-2.40E-04	-1.17E-04	-8.01E-06
4.30E+02	-2.16E-04	-9.94E-05	3.34E-05
4.30E+02	-1.80E-04	-8.20E-05	5.63E-05
4.30E+02	-1.74E-04	-7.29E-05	9.42E-05
4.30E+02	-1.71E-04	-9.10E-05	1.07E-04
4.30E+02	-1.23E-04	-8.70E-05	9.96E-05
4.30E+02	-1.05E-04	-9.86E-05	7.51E-05
4.30E+02	-1.22E-04	-1.39E-04	-1.01E-05
4.30E+02	-1.25E-04	-1.34E-04	-6.60E-05
4.30E+02	-1.24E-04	-1.15E-04	-8.77E-05
4.30E+02	-1.09E-04	-1.12E-04	-1.33E-04
4.30E+02	-1.30E-04	-1.21E-04	-1.22E-04
4.30E+02	-1.66E-04	-1.37E-04	-6.26E-05
4.30E+02	-1.61E-04	-1.22E-04	2.00E-05
4.30E+02	-1.92E-04	-1.28E-04	8.11E-05
4.30E+02	-2.38E-04	-1.73E-04	5.15E-05
4.30E+02	-2.44E-04	-1.91E-04	5.28E-05
4.30E+02	-2.41E-04	-1.93E-04	9.67E-05
4.30E+02	-2.25E-04	-1.87E-04	8.96E-05
4.30E+02	-2.33E-04	-1.69E-04	8.93E-05
4.30E+02	-2.45E-04	-1.62E-04	8.18E-05
4.30E+02	-2.02E-04	-1.32E-04	8.64E-05

4.30E+02	-1.74E-04	-1.04E-04	1.21E-04
4.30E+02	-1.72E-04	-1.20E-04	1.16E-04
4.30E+02	-1.46E-04	-1.25E-04	1.54E-04
4.30E+02	-1.20E-04	-1.33E-04	1.86E-04
4.30E+02	-8.79E-05	-1.54E-04	1.26E-04
4.30E+02	-9.27E-05	-1.55E-04	9.40E-05
4.30E+02	-1.16E-04	-1.46E-04	9.59E-05
4.30E+02	-8.83E-05	-9.06E-05	1.30E-04
4.30E+02	-1.07E-04	-3.57E-05	1.50E-04
4.30E+02	-1.44E-04	-2.06E-05	8.14E-05
4.30E+02	-1.32E-04	1.37E-05	5.38E-05
4.30E+02	-1.31E-04	2.50E-05	6.43E-05
4.30E+02	-1.26E-04	2.29E-05	4.77E-05
4.30E+02	-1.54E-04	2.54E-05	5.82E-05
4.30E+02	-1.96E-04	-2.67E-06	5.32E-05
4.30E+02	-1.79E-04	-3.81E-06	4.35E-05
4.30E+02	-1.77E-04	1.43E-05	6.77E-05
4.30E+02	-1.93E-04	7.25E-06	7.29E-05
4.30E+02	-1.75E-04	1.77E-05	1.19E-04
4.30E+02	-1.46E-04	3.95E-05	1.98E-04
4.30E+02	-9.46E-05	4.04E-05	2.02E-04
4.30E+02	-7.50E-05	3.51E-05	1.94E-04
4.30E+02	-9.44E-05	2.56E-05	1.96E-04
4.30E+02	-7.06E-05	4.62E-05	2.14E-04
4.30E+02	-7.86E-05	7.31E-05	2.33E-04
4.30E+02	-1.18E-04	5.86E-05	1.70E-04
4.30E+02	-1.09E-04	6.07E-05	1.48E-04
4.30E+02	-1.01E-04	6.48E-05	1.68E-04
4.30E+02	-7.71E-05	5.34E-05	1.37E-04
4.30E+02	-6.48E-05	5.44E-05	1.20E-04
4.30E+02	-8.07E-05	4.69E-05	9.08E-05
4.30E+02	-3.99E-05	5.47E-05	6.92E-05
4.30E+02	-1.93E-05	7.11E-05	8.49E-05
4.30E+02	-4.84E-05	6.45E-05	4.86E-05
4.30E+02	-5.76E-05	7.02E-05	4.06E-05
4.30E+02	-6.12E-05	8.24E-05	8.72E-05
4.30E+02	-4.92E-05	8.07E-05	7.34E-05
4.30E+02	-5.42E-05	7.38E-05	7.40E-05
4.30E+02	-8.30E-05	6.22E-05	1.17E-04
4.30E+02	-6.43E-05	8.64E-05	1.71E-04
4.30E+02	-5.30E-05	1.29E-04	2.24E-04
4.30E+02	-7.13E-05	1.25E-04	1.79E-04
4.30E+02	-6.39E-05	1.26E-04	1.39E-04
4.30E+02	-4.58E-05	1.60E-04	1.82E-04
4.30E+02	-1.81E-05	1.92E-04	2.02E-04
4.30E+02	-2.04E-05	2.19E-04	2.13E-04
4.30E+02	-4.86E-05	2.33E-04	2.07E-04

4.30E+02	-2.82E-05	2.49E-04	1.86E-04
4.30E+02	-1.45E-05	2.68E-04	1.97E-04
4.30E+02	-3.87E-05	2.54E-04	1.65E-04
4.30E+02	-5.36E-05	2.43E-04	1.55E-04
4.30E+02	-6.12E-05	2.44E-04	1.99E-04
4.30E+02	-4.46E-05	2.19E-04	1.64E-04
4.30E+02	-3.74E-05	1.82E-04	1.25E-04
4.30E+02	-6.45E-05	1.37E-04	1.21E-04
4.30E+02	-3.74E-05	1.25E-04	1.30E-04
4.30E+02	-7.44E-06	1.36E-04	1.62E-04
4.30E+02	-2.10E-05	1.06E-04	1.04E-04
4.30E+02	-3.24E-06	8.39E-05	3.70E-05
4.30E+02	6.87E-06	6.85E-05	4.67E-05
4.30E+02	2.59E-05	5.68E-05	5.30E-05
4.30E+02	2.99E-05	7.57E-05	9.94E-05
4.30E+02	-3.32E-05	7.34E-05	1.35E-04
4.30E+02	-4.88E-05	9.88E-05	1.42E-04
4.30E+02	-7.21E-05	1.52E-04	1.80E-04
4.30E+02	-1.42E-04	1.68E-04	1.52E-04
4.30E+02	-1.75E-04	1.93E-04	1.25E-04
4.30E+02	-2.08E-04	2.18E-04	1.65E-04
4.30E+02	-2.16E-04	2.20E-04	1.38E-04
4.30E+02	-2.33E-04	2.19E-04	8.77E-05
4.30E+02	-2.71E-04	2.07E-04	6.47E-05
4.30E+02	-2.47E-04	2.25E-04	6.39E-05
4.30E+02	-2.26E-04	2.70E-04	1.16E-04
4.30E+02	-2.43E-04	2.70E-04	8.54E-05
4.30E+02	-2.48E-04	2.49E-04	1.32E-05
4.30E+02	-2.18E-04	2.63E-04	3.76E-05
4.30E+02	-1.77E-04	2.56E-04	2.90E-05
4.30E+02	-1.72E-04	2.39E-04	3.24E-06
4.30E+02	-1.91E-04	2.28E-04	1.14E-06
4.30E+02	-1.74E-04	2.08E-04	-1.96E-05
4.30E+02	-1.32E-04	2.13E-04	8.39E-06
4.30E+02	-1.28E-04	1.85E-04	3.43E-06
4.30E+02	-1.18E-04	1.42E-04	-2.29E-06
4.30E+02	-8.64E-05	1.18E-04	6.20E-05
4.30E+02	-5.21E-05	7.71E-05	6.62E-05
4.30E+02	-2.56E-05	5.13E-05	6.69E-05
4.30E+02	-3.85E-05	3.17E-05	1.02E-04
4.30E+02	-2.40E-05	4.12E-05	1.30E-04
4.30E+02	1.53E-06	8.18E-05	1.59E-04
4.30E+02	-2.37E-05	7.38E-05	9.90E-05
4.30E+02	-2.96E-05	4.71E-05	2.88E-05
4.30E+02	-1.30E-05	4.31E-05	5.19E-05
4.30E+02	9.54E-07	3.68E-05	5.76E-05
4.30E+02	-2.29E-06	3.32E-05	4.77E-05

4.30E+02	-4.69E-05	2.02E-05	5.02E-05
4.30E+02	-5.78E-05	8.96E-06	3.34E-05
4.30E+02	-4.88E-05	3.11E-05	4.01E-05
4.30E+02	-8.32E-05	3.22E-05	9.92E-06
4.30E+02	-9.78E-05	2.46E-05	-4.27E-05
4.30E+02	-9.56E-05	5.11E-05	-2.42E-05
4.30E+02	-8.64E-05	5.49E-05	-5.87E-05
4.30E+02	-6.22E-05	4.58E-05	-1.28E-04
4.30E+02	-6.33E-05	5.07E-05	-1.26E-04
4.30E+02	-4.20E-05	5.55E-05	-9.65E-05
4.30E+02	-9.73E-06	7.38E-05	-3.45E-05
4.30E+02	-1.79E-05	6.98E-05	-3.55E-05
4.30E+02	-5.53E-06	4.50E-05	-8.70E-05
4.30E+02	2.61E-05	4.69E-05	-6.24E-05
4.30E+02	6.22E-05	5.51E-05	-4.84E-05
4.30E+02	7.95E-05	6.33E-05	-4.52E-05
4.30E+02	3.93E-05	6.50E-05	-4.08E-05
4.30E+02	3.07E-05	6.64E-05	-5.57E-05
4.30E+02	3.93E-05	8.26E-05	-1.34E-05
4.30E+02	-3.05E-06	5.70E-05	-1.87E-05
4.30E+02	-3.41E-05	2.19E-05	-6.66E-05
4.30E+02	-6.41E-05	2.33E-05	-5.05E-05
4.30E+02	-7.40E-05	2.50E-05	-7.46E-05
4.30E+02	-6.12E-05	3.34E-05	-1.05E-04
4.30E+02	-1.16E-04	2.12E-05	-8.45E-05
4.30E+02	-1.50E-04	2.10E-06	-5.61E-05
4.30E+02	-1.37E-04	1.14E-05	-1.30E-05
4.30E+02	-1.65E-04	-1.35E-05	-3.95E-05
4.30E+02	-1.76E-04	-5.84E-05	-1.04E-04
4.30E+02	-1.61E-04	-7.84E-05	-9.77E-05
4.30E+02	-1.30E-04	-8.66E-05	-9.10E-05
4.30E+02	-1.02E-04	-7.59E-05	-1.02E-04
4.30E+02	-1.29E-04	-6.50E-05	-1.16E-04
4.30E+02	-1.37E-04	-6.22E-05	-1.59E-04
4.30E+02	-1.19E-04	-5.13E-05	-1.62E-04
4.30E+02	-1.46E-04	-6.62E-05	-1.62E-04
4.30E+02	-1.71E-04	-1.01E-04	-1.99E-04
4.30E+02	-1.79E-04	-1.13E-04	-1.75E-04
4.30E+02	-1.77E-04	-1.27E-04	-1.66E-04
4.30E+02	-1.70E-04	-1.45E-04	-1.92E-04
4.30E+02	-2.06E-04	-1.49E-04	-1.69E-04
4.30E+02	-2.24E-04	-1.44E-04	-1.41E-04
4.30E+02	-2.01E-04	-1.14E-04	-9.10E-05
4.30E+02	-2.15E-04	-1.03E-04	-8.20E-05
4.30E+02	-2.18E-04	-1.18E-04	-1.38E-04
4.30E+02	-1.89E-04	-1.09E-04	-1.26E-04
4.30E+02	-1.50E-04	-9.44E-05	-1.18E-04

4.31E+02	-1.10E-04	-8.20E-05	-1.43E-04
4.31E+02	-1.24E-04	-7.90E-05	-1.44E-04
4.31E+02	-1.18E-04	-8.49E-05	-1.59E-04
4.31E+02	-7.38E-05	-6.08E-05	-1.35E-04
4.31E+02	-8.32E-05	-5.19E-05	-1.20E-04
4.31E+02	-9.35E-05	-7.17E-05	-1.52E-04
4.31E+02	-9.02E-05	-6.83E-05	-1.15E-04
4.31E+02	-8.03E-05	-5.93E-05	-9.94E-05
4.31E+02	-4.83E-05	-5.07E-05	-1.60E-04
4.31E+02	-6.48E-05	-4.25E-05	-1.78E-04
4.31E+02	-7.31E-05	-3.36E-05	-1.58E-04
4.31E+02	-4.43E-05	7.63E-07	-1.09E-04
4.31E+02	-6.26E-05	6.48E-06	-1.01E-04
4.31E+02	-7.61E-05	-3.17E-05	-1.63E-04
4.31E+02	-7.78E-05	-6.03E-05	-1.51E-04
4.31E+02	-7.65E-05	-7.67E-05	-1.26E-04
4.31E+02	-5.91E-05	-8.13E-05	-1.49E-04
4.31E+02	-8.74E-05	-8.05E-05	-1.50E-04
4.31E+02	-8.70E-05	-7.50E-05	-1.69E-04
4.31E+02	-4.08E-05	-4.27E-05	-1.67E-04
4.31E+02	-2.77E-05	-2.17E-05	-1.58E-04
4.31E+02	-1.09E-05	-2.16E-05	-1.96E-04
4.31E+02	1.07E-05	-7.44E-06	-1.67E-04
4.31E+02	4.67E-05	4.39E-06	-1.47E-04
4.31E+02	9.88E-05	1.11E-05	-1.82E-04
4.31E+02	8.91E-05	1.53E-05	-1.80E-04
4.31E+02	8.16E-05	1.95E-05	-1.82E-04
4.31E+02	1.21E-04	4.39E-05	-1.32E-04
4.31E+02	1.08E-04	3.87E-05	-1.02E-04
4.31E+02	9.02E-05	3.24E-06	-1.41E-04
4.31E+02	9.94E-05	-9.16E-06	-8.70E-05
4.31E+02	1.02E-04	-2.69E-05	-4.01E-05
4.31E+02	1.18E-04	-4.01E-05	-3.89E-05
4.31E+02	8.72E-05	-5.32E-05	-3.47E-05
4.31E+02	5.42E-05	-8.66E-05	-8.35E-05
4.31E+02	7.21E-05	-8.89E-05	-9.63E-05
4.31E+02	5.57E-05	-9.40E-05	-8.79E-05
4.31E+02	3.28E-05	-1.29E-04	-1.24E-04
4.31E+02	3.85E-05	-1.33E-04	-1.01E-04
4.31E+02	5.17E-05	-1.28E-04	-6.81E-05
4.31E+02	8.66E-05	-1.33E-04	-1.04E-04
4.31E+02	8.01E-05	-1.38E-04	-1.29E-04
4.31E+02	6.05E-05	-1.30E-04	-1.35E-04
4.31E+02	9.99E-05	-7.42E-05	-1.05E-04
4.31E+02	9.86E-05	-3.68E-05	-1.04E-04
4.31E+02	6.48E-05	-5.28E-05	-1.74E-04
4.31E+02	5.82E-05	-6.10E-05	-1.74E-04

4.31E+02	4.56E-05	-8.20E-05	-1.59E-04
4.31E+02	4.33E-05	-1.02E-04	-1.59E-04
4.31E+02	7.06E-06	-1.08E-04	-1.20E-04
4.31E+02	-3.28E-05	-1.08E-04	-1.06E-04
4.31E+02	-4.39E-06	-6.45E-05	-6.89E-05
4.31E+02	-2.67E-06	-3.24E-05	-1.14E-05
4.31E+02	-2.78E-05	-3.68E-05	-6.10E-06
4.31E+02	-3.03E-05	-3.49E-05	1.98E-05
4.31E+02	-1.75E-05	-3.41E-05	3.78E-05
4.31E+02	1.41E-05	-3.55E-05	-1.32E-05
4.31E+02	1.03E-05	-4.31E-05	-3.03E-05
4.31E+02	-3.62E-06	-4.79E-05	-7.82E-06
4.31E+02	2.88E-05	-2.37E-05	2.06E-05
4.31E+02	3.53E-05	-6.87E-06	3.76E-05
4.31E+02	1.58E-05	-3.24E-05	-2.40E-05
4.31E+02	2.35E-05	-4.58E-05	-4.75E-05
4.31E+02	3.59E-05	-3.01E-05	-1.18E-05
4.31E+02	5.82E-05	-9.92E-06	-3.93E-05
4.31E+02	4.12E-05	5.91E-06	-6.05E-05
4.31E+02	-1.22E-05	-2.67E-06	-7.34E-05
4.31E+02	-1.30E-05	6.87E-06	-9.44E-05
4.31E+02	-3.20E-05	1.60E-05	-1.04E-04
4.31E+02	-7.97E-05	-1.39E-05	-1.62E-04
4.31E+02	-1.01E-04	-2.00E-05	-1.68E-04
4.31E+02	-1.17E-04	-2.71E-05	-1.34E-04
4.31E+02	-9.33E-05	-5.32E-05	-1.67E-04
4.31E+02	-9.02E-05	-6.90E-05	-1.71E-04
4.31E+02	-1.20E-04	-8.41E-05	-1.52E-04
4.31E+02	-8.47E-05	-6.28E-05	-1.21E-04
4.31E+02	-6.71E-05	-4.25E-05	-6.50E-05
4.31E+02	-8.34E-05	-8.09E-05	-7.95E-05
4.31E+02	-6.81E-05	-1.25E-04	-5.36E-05
4.31E+02	-5.05E-05	-1.53E-04	4.23E-05
4.31E+02	-1.53E-05	-1.75E-04	8.24E-05
4.31E+02	-5.34E-06	-1.93E-04	1.28E-04
4.31E+02	-3.24E-05	-2.10E-04	1.47E-04
4.31E+02	-7.44E-06	-1.95E-04	1.31E-04
4.31E+02	5.91E-06	-1.64E-04	1.32E-04
4.31E+02	-1.13E-05	-1.65E-04	7.19E-05
4.31E+02	3.81E-07	-1.53E-04	3.38E-05
4.31E+02	1.14E-06	-1.37E-04	1.35E-05
4.31E+02	3.11E-05	-1.30E-04	-8.77E-05
4.31E+02	4.96E-05	-1.05E-04	-1.49E-04
4.31E+02	1.39E-05	-1.05E-04	-1.64E-04
4.31E+02	3.87E-05	-8.51E-05	-1.45E-04
4.31E+02	5.30E-05	-5.42E-05	-9.33E-05
4.31E+02	1.79E-05	-7.38E-05	-1.27E-04

4.31E+02	1.89E-05	-8.77E-05	-1.42E-04
4.31E+02	2.52E-05	-8.91E-05	-7.31E-05
4.31E+02	4.75E-05	-9.10E-05	-2.40E-05
4.31E+02	4.90E-05	-8.24E-05	2.29E-05
4.31E+02	1.05E-05	-8.60E-05	4.92E-05
4.31E+02	2.73E-05	-6.41E-05	7.17E-05
4.31E+02	3.43E-05	-2.80E-05	1.22E-04
4.31E+02	1.91E-07	-4.06E-05	9.38E-05
4.31E+02	-1.35E-05	-5.80E-05	6.75E-05
4.31E+02	-2.57E-05	-6.29E-05	1.10E-04
4.31E+02	-8.20E-06	-7.80E-05	8.91E-05
4.31E+02	-1.28E-05	-9.67E-05	5.34E-05
4.31E+02	-5.07E-05	-1.09E-04	6.75E-05
4.31E+02	-2.61E-05	-9.67E-05	9.44E-05
4.31E+02	-1.41E-05	-7.84E-05	1.21E-04
4.31E+02	-3.30E-05	-8.45E-05	7.51E-05
4.31E+02	-4.69E-05	-1.00E-04	2.63E-05
4.31E+02	-6.60E-05	-9.02E-05	4.29E-05
4.31E+02	-4.81E-05	-6.39E-05	2.25E-05
4.31E+02	-5.97E-05	-4.48E-05	-1.91E-06
4.31E+02	-1.01E-04	-2.40E-05	-2.46E-05
4.31E+02	-8.03E-05	2.59E-05	-4.94E-05
4.31E+02	-6.03E-05	8.45E-05	-8.20E-06
4.31E+02	-7.74E-05	9.88E-05	-2.29E-06
4.31E+02	-7.84E-05	1.02E-04	-1.30E-05
4.31E+02	-5.86E-05	1.19E-04	2.50E-05
4.31E+02	-2.67E-05	1.24E-04	8.96E-06
4.31E+02	-2.04E-05	1.17E-04	-1.68E-05
4.31E+02	-4.54E-05	1.11E-04	1.20E-05
4.31E+02	-3.51E-05	1.29E-04	4.73E-05
4.31E+02	-2.63E-05	1.44E-04	6.94E-05
4.31E+02	-6.60E-05	1.20E-04	1.81E-05
4.31E+02	-9.27E-05	7.76E-05	-4.75E-05
4.31E+02	-9.73E-05	5.78E-05	-2.86E-05
4.31E+02	-9.31E-05	4.88E-05	-1.91E-05
4.31E+02	-9.14E-05	3.15E-05	-8.96E-06
4.31E+02	-1.17E-04	9.35E-06	8.39E-06
4.31E+02	-1.17E-04	-9.16E-06	-1.70E-05
4.31E+02	-8.74E-05	-4.96E-06	-4.39E-06
4.31E+02	-8.07E-05	-1.28E-05	-8.01E-06
4.31E+02	-7.63E-05	-2.98E-05	-2.94E-05
4.31E+02	-6.71E-05	-2.61E-05	9.35E-06
4.31E+02	-3.70E-05	-3.20E-05	9.54E-07
4.31E+02	-2.16E-05	-3.93E-05	-2.25E-05
4.31E+02	-6.07E-05	-5.11E-05	1.93E-05
4.31E+02	-5.80E-05	-4.56E-05	8.34E-05
4.31E+02	-5.04E-05	-9.35E-06	1.52E-04

4.31E+02	-1.01E-04	-7.82E-06	1.37E-04
4.31E+02	-1.22E-04	-1.91E-06	6.71E-05
4.31E+02	-1.16E-04	3.22E-05	7.42E-05
4.31E+02	-9.63E-05	5.84E-05	9.29E-05
4.31E+02	-7.97E-05	1.03E-04	1.08E-04
4.31E+02	-1.17E-04	1.22E-04	1.14E-04
4.31E+02	-1.14E-04	1.21E-04	8.07E-05
4.31E+02	-5.66E-05	1.43E-04	1.06E-04
4.31E+02	-5.51E-05	1.12E-04	1.24E-04
4.31E+02	-6.98E-05	7.55E-05	1.31E-04
4.31E+02	-6.08E-05	7.48E-05	2.10E-04
4.31E+02	-3.97E-05	5.49E-05	1.96E-04
4.31E+02	-2.37E-05	3.26E-05	1.14E-04
4.31E+02	-5.76E-05	2.67E-06	7.74E-05
4.31E+02	-6.64E-05	-1.09E-05	6.68E-05
4.31E+02	-5.00E-05	1.60E-05	1.05E-04
4.31E+02	-7.93E-05	1.49E-05	8.83E-05
4.31E+02	-8.77E-05	-1.14E-05	2.63E-05
4.31E+02	-7.19E-05	-1.14E-05	4.81E-05
4.31E+02	-4.83E-05	-6.29E-06	6.68E-05
4.31E+02	-2.77E-05	-9.35E-06	6.08E-05
4.31E+02	-6.16E-05	-1.83E-05	5.80E-05
4.31E+02	-6.03E-05	-2.71E-05	3.19E-05
4.31E+02	-2.35E-05	-1.91E-05	4.18E-05
4.31E+02	-4.48E-05	-3.62E-05	4.23E-05
4.31E+02	-6.52E-05	-7.42E-05	1.81E-05
4.31E+02	-6.58E-05	-9.75E-05	5.25E-05
4.31E+02	-5.53E-05	-1.30E-04	6.33E-05
4.31E+02	-3.55E-05	-1.75E-04	3.28E-05
4.31E+02	-5.34E-05	-2.18E-04	3.72E-05
4.31E+02	-5.38E-05	-2.26E-04	5.68E-05
4.31E+02	-3.60E-05	-2.00E-04	9.02E-05
4.31E+02	-6.33E-05	-1.96E-04	6.07E-05
4.31E+02	-7.69E-05	-1.99E-04	-1.14E-05
4.31E+02	-7.65E-05	-1.67E-04	3.81E-06
4.31E+02	-7.69E-05	-1.26E-04	1.45E-05
4.31E+02	-6.69E-05	-8.79E-05	-2.29E-06
4.31E+02	-9.61E-05	-6.69E-05	-8.77E-06
4.31E+02	-8.85E-05	-4.33E-05	-2.08E-05
4.31E+02	-4.02E-05	2.10E-06	1.70E-05
4.31E+02	-4.18E-05	1.85E-05	3.91E-05
4.31E+02	-3.36E-05	2.80E-05	4.04E-05
4.31E+02	-2.27E-05	5.13E-05	9.50E-05
4.31E+02	-1.14E-05	5.15E-05	1.05E-04
4.31E+02	1.95E-05	4.73E-05	6.64E-05
4.31E+02	-1.01E-05	3.89E-05	4.67E-05
4.31E+02	-2.44E-05	2.48E-05	3.30E-05

4.31E+02	1.01E-05	3.78E-05	6.08E-05
4.31E+02	2.67E-06	3.30E-05	6.18E-05
4.31E+02	1.34E-06	3.05E-06	1.87E-05
4.31E+02	1.35E-05	-2.29E-06	4.90E-05
4.31E+02	2.31E-05	-4.39E-06	8.09E-05
4.31E+02	3.59E-05	-6.10E-06	9.52E-05
4.31E+02	-7.25E-06	-1.41E-05	1.25E-04
4.31E+02	-4.67E-05	-2.37E-05	1.13E-04
4.31E+02	-4.50E-05	7.63E-07	1.20E-04
4.31E+02	-7.36E-05	1.03E-05	1.11E-04
4.31E+02	-9.92E-05	-1.47E-05	5.36E-05
4.31E+02	-1.00E-04	-2.46E-05	5.99E-05
4.32E+02	-7.17E-05	-3.03E-05	6.60E-05
4.32E+02	-2.19E-05	-3.95E-05	2.65E-05
4.32E+02	-2.06E-05	-4.20E-05	1.13E-05
4.32E+02	3.43E-06	-2.94E-05	8.39E-06
4.32E+02	6.20E-05	5.53E-06	2.90E-05
4.32E+02	6.75E-05	2.17E-05	2.63E-05
4.32E+02	7.08E-05	2.40E-05	-2.90E-05
4.32E+02	8.28E-05	3.20E-05	-2.12E-05
4.32E+02	9.82E-05	3.36E-05	1.60E-05
4.32E+02	1.17E-04	4.25E-05	2.92E-05
4.32E+02	7.84E-05	4.02E-05	7.46E-05
4.32E+02	4.18E-05	4.41E-05	1.03E-04
4.32E+02	4.98E-05	8.56E-05	1.30E-04
4.32E+02	2.21E-05	1.03E-04	1.44E-04
4.32E+02	-1.62E-05	8.70E-05	9.61E-05
4.32E+02	-2.65E-05	8.01E-05	1.15E-04
4.32E+02	-2.46E-05	6.89E-05	1.40E-04
4.32E+02	7.63E-07	5.21E-05	9.38E-05
4.32E+02	-1.13E-05	2.92E-05	7.38E-05
4.32E+02	-3.11E-05	-1.03E-05	6.24E-05
4.32E+02	8.39E-06	-1.87E-05	7.51E-05
4.32E+02	9.73E-06	-1.56E-05	8.60E-05
4.32E+02	-6.87E-06	-4.63E-05	3.36E-05
4.32E+02	2.10E-06	-5.91E-05	3.66E-05
4.32E+02	5.91E-06	-6.71E-05	6.64E-05
4.32E+02	2.73E-05	-9.02E-05	4.01E-05
4.32E+02	5.15E-06	-1.05E-04	3.55E-05
4.32E+02	-2.46E-05	-1.26E-04	2.08E-05
4.32E+02	5.91E-06	-1.30E-04	9.54E-07
4.32E+02	4.20E-06	-1.26E-04	3.81E-07
4.32E+02	-1.58E-05	-1.39E-04	-3.47E-05
4.32E+02	-1.37E-05	-1.33E-04	-1.75E-05
4.32E+02	-4.58E-06	-1.27E-04	1.05E-05
4.32E+02	1.93E-05	-1.37E-04	-2.88E-05
4.32E+02	-4.20E-06	-1.42E-04	-2.80E-05

4.32E+02	-4.50E-05	-1.39E-04	-3.81E-06
4.32E+02	-4.18E-05	-9.96E-05	4.39E-05
4.32E+02	-6.89E-05	-4.73E-05	8.32E-05
4.32E+02	-1.03E-04	-2.29E-05	4.01E-05
4.32E+02	-9.88E-05	8.96E-06	5.11E-05
4.32E+02	-8.77E-05	4.83E-05	9.65E-05
4.32E+02	-5.74E-05	8.37E-05	9.16E-05
4.32E+02	-5.32E-05	1.17E-04	9.61E-05
4.32E+02	-5.19E-05	1.28E-04	8.95E-05
4.32E+02	5.15E-06	1.40E-04	9.54E-05
4.32E+02	3.34E-05	1.47E-04	1.25E-04
4.32E+02	2.75E-05	1.12E-04	1.10E-04
4.32E+02	3.15E-05	9.14E-05	1.13E-04
4.32E+02	3.05E-05	9.00E-05	1.21E-04
4.32E+02	3.91E-05	6.01E-05	5.34E-05
4.32E+02	2.42E-05	3.60E-05	9.16E-06
4.32E+02	-1.83E-05	-7.63E-07	-1.34E-05
4.32E+02	-9.35E-06	-1.49E-05	-1.68E-05
4.32E+02	-1.34E-06	9.54E-07	1.03E-05
4.32E+02	-3.47E-05	-3.41E-05	-5.91E-05
4.32E+02	-3.41E-05	-5.00E-05	-1.07E-04
4.32E+02	-6.10E-06	-4.35E-05	-7.19E-05
4.32E+02	2.73E-05	-4.73E-05	-5.02E-05
4.32E+02	2.02E-05	-2.88E-05	-8.01E-06
4.32E+02	-6.68E-06	-9.92E-06	1.20E-05
4.32E+02	3.36E-05	3.36E-05	4.33E-05
4.32E+02	4.84E-05	7.44E-05	1.05E-04
4.32E+02	2.46E-05	6.64E-05	9.14E-05
4.32E+02	2.84E-05	6.47E-05	8.64E-05
4.32E+02	2.59E-05	7.21E-05	1.11E-04
4.32E+02	4.56E-05	6.39E-05	5.23E-05
4.32E+02	4.12E-05	5.46E-05	-9.73E-06
4.32E+02	-2.48E-06	4.50E-05	-1.87E-05
4.32E+02	1.58E-05	5.28E-05	-1.39E-05
4.32E+02	1.81E-05	7.06E-05	3.05E-06
4.32E+02	-1.83E-05	5.28E-05	-4.04E-05
4.32E+02	-6.87E-06	3.81E-05	-6.94E-05
4.32E+02	1.70E-05	5.42E-05	-2.37E-05
4.32E+02	5.68E-05	8.05E-05	-2.37E-05
4.32E+02	9.33E-05	1.09E-04	-1.43E-05
4.32E+02	1.03E-04	1.13E-04	1.11E-05
4.32E+02	1.62E-04	1.31E-04	3.95E-05
4.32E+02	2.19E-04	1.55E-04	9.29E-05
4.32E+02	2.29E-04	1.22E-04	6.12E-05
4.32E+02	2.49E-04	9.88E-05	4.20E-05
4.32E+02	2.69E-04	8.93E-05	6.45E-05
4.32E+02	2.94E-04	6.26E-05	2.98E-05

4.32E+02	2.90E-04	5.46E-05	3.22E-05
4.32E+02	2.45E-04	5.25E-05	6.48E-05
4.32E+02	2.42E-04	7.11E-05	1.09E-04
4.32E+02	2.22E-04	1.08E-04	1.66E-04
4.32E+02	1.65E-04	1.03E-04	1.45E-04
4.32E+02	1.48E-04	7.78E-05	1.32E-04
4.32E+02	1.35E-04	7.44E-05	1.76E-04
4.32E+02	1.27E-04	7.27E-05	1.89E-04
4.32E+02	1.11E-04	7.29E-05	1.90E-04
4.32E+02	7.44E-05	6.69E-05	1.65E-04
4.32E+02	8.72E-05	5.49E-05	1.39E-04
4.32E+02	1.06E-04	5.78E-05	1.52E-04
4.32E+02	9.57E-05	4.01E-05	1.06E-04
4.32E+02	9.65E-05	2.69E-05	8.32E-05
4.32E+02	1.08E-04	3.76E-05	1.34E-04
4.32E+02	1.46E-04	2.75E-05	1.02E-04
4.32E+02	1.68E-04	2.44E-05	5.74E-05
4.32E+02	1.53E-04	2.48E-05	6.92E-05
4.32E+02	1.91E-04	4.86E-05	8.70E-05
4.32E+02	2.34E-04	1.02E-04	1.34E-04
4.32E+02	2.26E-04	1.08E-04	1.20E-04
4.32E+02	2.35E-04	1.11E-04	8.87E-05
4.32E+02	2.52E-04	1.34E-04	1.36E-04
4.32E+02	2.75E-04	1.45E-04	1.52E-04
4.32E+02	2.70E-04	1.64E-04	1.55E-04
4.32E+02	2.01E-04	1.56E-04	1.40E-04