Test Name	**AL, MW, rep 1**
Cladding	**Aluminium**
Cladding Thickness [mm]	**2**
Insulation	**Mineral Wool (MW)**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**1**
Mass Flow Rate (Propane)	**0.2**
Description	This experiment is on a system consisting of an Aluminium cladding panel and a Mineral Wool (MW) insulation panel, separated with a cavity of 50 mm width. It is the first repetition of this system configuration.
Experiment Notes	There were no noticable observations for this test.
Peak HRR [kW]	**0**
Time to Peak HRR [mins]	
Residual HRR [kW]	**0.809**
Total HR [MJ]	**0**
Peak dQ/dt [kW/s]	**0**
Time to Peak dQ/dt [s]	

Test Time [s]	Heat Release Rate **HRR [kW]**	HRR Smoothed **[kW]**	Mass Rainscreen **[kg]**	Mass Insulation **[kg]**	Mass Drip Tray **[kg]**	Mass Total **[kg]**	MLR Rainscreen **Smoothed 100pt [g/s]**	MLR Insulation **Smoothed 100pt [g/s]**	MLR Drip Tray **Smoothed 100pt [g/s]**	MLR Total **Smoothed 100pt [g/s]**
0	0.248	0.248	3.188	2.8062	-0.0011	5.9931	0.0178	0.149	0.0269	0.1937
1	0.17	0.262	3.1884	2.8051	-0.0007	5.9928	0.032	0.1578	0.0242	0.2141
2	0.369	0.439	3.1884	2.8051	-0.0009	5.9926	0.054	0.1595	0.0226	0.236
3	0.595	0.603	3.1888	2.805	-0.0007	5.9931	0.0642	0.1614	0.0223	0.2478
4	0.813	0.932	3.1887	2.8051	-0.0008	5.9929	0.0686	0.163	0.0194	0.251
5	0.909	1.45	3.1888	2.8051	-0.0008	5.9931	0.0694	0.1619	0.017	0.2483
6	1.11	2.11	3.1889	2.8049	-0.0008	5.993	0.0713	0.1587	0.0152	0.2452
7	1.67	2.77	3.1883	2.8047	-0.0009	5.9921	0.0589	0.1647	0.0149	0.2385
8	2.5	3.4	3.1878	2.8047	-0.0011	5.9914	0.0469	0.1656	0.0147	0.2272
9	3.34	3.96	3.1874	2.8045	-0.0012	5.9908	0.035	0.1614	0.0127	0.2091
10	4.17	4.43	3.1869	2.8044	-0.0012	5.9901	0.0282	0.1585	0.0142	0.2009
11	5.42	4.89	3.1865	2.8038	-0.0012	5.9891	0.0171	0.1547	0.0136	0.1854
12	6.1	5.33	3.1869	2.8036	-0.0011	5.9894	0.0205	0.1535	0.0121	0.1861
13	6.78	5.77	3.1872	2.8036	-0.0011	5.9897	0.0324	0.1524	0.0106	0.1955
14	7.28	6.22	3.1869	2.8034	-0.0011	5.9892	0.0412	0.1452	0.0094	0.1959
15	7.87	6.65	3.1867	2.8033	-0.0011	5.9889	0.0579	0.1362	0.009	0.2032
16	8.39	7.09	3.1865	2.803	-0.001	5.9885	0.0674	0.1281	0.0061	0.2017
17	8.58	7.52	3.1866	2.8027	-0.001	5.9882	0.0705	0.1217	0.0052	0.1975
18	8.85	7.89	3.1865	2.8023	-0.0011	5.9877	0.0768	0.1208	0.0038	0.2013
19	9.21	8.21	3.1868	2.8018	-0.0012	5.9874	0.0763	0.1146	0.0036	0.1945
20	8.91	8.48	3.1871	2.8019	-0.0012	5.9878	0.0773	0.1089	0.0023	0.1885
21	8.82	8.73	3.1872	2.8017	-0.0012	5.9877	0.0818	0.1057	0.0038	0.1913
22	8.98	8.92	3.1871	2.8015	-0.0013	5.9874	0.0828	0.0994	0.0053	0.1875
23	9.26	9.06	3.1869	2.8014	-0.0013	5.9869	0.0786	0.0977	0.0062	0.1824
24	9.11	9.2	3.1865	2.8015	-0.0012	5.9868	0.0774	0.0963	0.0075	0.1813
25	9.5	9.31	3.186	2.8015	-0.0011	5.9864	0.0761	0.0904	0.0095	0.176
26	9.74	9.4	3.1859	2.8014	-0.0011	5.9862	0.0761	0.0848	0.0118	0.1727
27	9.6	9.48	3.186	2.8014	-0.001	5.9864	0.0739	0.0845	0.0156	0.174
28	9.49	9.56	3.1864	2.8015	-0.001	5.9868	0.0834	0.0921	0.0172	0.1927

29	9.26	9.61	3.1868	2.8017	-0.0009	5.9876	0.0819	0.0968	0.0159	0.1945
30	10.1	9.71	3.187	2.8017	-0.001	5.9877	0.0834	0.1047	0.0167	0.2049
31	9.78	9.78	3.1869	2.8017	-0.0009	5.9877	0.0831	0.1095	0.0145	0.2072
32	9.43	9.84	3.1865	2.8018	-0.001	5.9873	0.0821	0.1162	0.0099	0.2081
33	9.88	9.9	3.1866	2.8018	-0.001	5.9874	0.0826	0.1174	0.0061	0.2061
34	9.98	9.95	3.1873	2.8019	-0.001	5.9882	0.081	0.1107	0.006	0.1977
35	10.2	9.98	3.1874	2.8021	-0.0012	5.9883	0.0803	0.1097	0.0073	0.1973
36	10.1	10	3.1875	2.8021	-0.0011	5.9885	0.0807	0.1041	0.0076	0.1924
37	10.3	10.1	3.1875	2.8024	-0.0011	5.9888	0.082	0.1024	0.0095	0.1939
38	10.2	10.2	3.1871	2.8024	-0.001	5.9885	0.0814	0.1014	0.0108	0.1935
39	10.8	10.2	3.1875	2.8026	-0.0008	5.9893	0.077	0.0992	0.0107	0.1869
40	10.2	10.3	3.1878	2.8024	-0.0009	5.9893	0.0756	0.1006	0.0106	0.1867
41	10.2	10.3	3.1881	2.8026	-0.001	5.9897	0.0761	0.1053	0.0101	0.1915
42	10.4	10.4	3.189	2.8028	-0.0012	5.9907	0.075	0.1052	0.0092	0.1895
43	10	10.4	3.19	2.8028	-0.0015	5.9913	0.076	0.1034	0.008	0.1874
44	10	10.5	3.1906	2.8026	-0.0017	5.9915	0.0782	0.103	0.0069	0.1881
45	10.4	10.5	3.1915	2.8024	-0.0017	5.9922	0.0778	0.1008	0.0076	0.1862
46	10.8	10.5	3.1916	2.8021	-0.0018	5.9919	0.0613	0.0975	0.0087	0.1675
47	11.2	10.5	3.1906	2.8018	-0.002	5.9904	0.0506	0.0961	0.0097	0.1564
48	10.8	10.5	3.1893	2.8019	-0.0021	5.9891	0.0475	0.092	0.0087	0.1481
49	10.3	10.5	3.1877	2.8018	-0.0024	5.987	0.0438	0.0882	0.0096	0.1416
50	10.9	10.5	3.1869	2.8012	-0.0023	5.9858	0.0416	0.0887	0.0095	0.1398
51	10.9	10.5	3.1858	2.8009	-0.0022	5.9845	0.037	0.061	0.0093	0.1074
52	10.9	10.5	3.1852	2.8007	-0.0022	5.9836	0.0442	0.0502	0.0125	0.107
53	10.9	10.5	3.1849	2.8004	-0.0021	5.9832	0.0481	0.045	0.0077	0.1009
54	10.9	10.5	3.1847	2.8003	-0.002	5.9831	0.0533	0.0396	0.0051	0.098
55	10.5	10.4	3.1846	2.8003	-0.0019	5.983	0.0488	0.0386	0.0015	0.0889
56	9.91	10.3	3.1852	2.7998	-0.0019	5.9831	0.0449	0.0368	0.0002	0.0819
57	10.3	10.2	3.1858	2.7996	-0.0019	5.9836	0.0414	0.0279	0.0028	0.0721
58	10.8	10.1	3.1865	2.7997	-0.0018	5.9844	0.0368	0.0269	0.0054	0.0691
59	10.3	10	3.1869	2.7997	-0.0019	5.9847	0.0266	0.0247	0.0054	0.0567
60	10.4	9.91	3.1875	2.7998	-0.0019	5.9854	0.0223	0.0212	0.0039	0.0473
61	9.92	9.82	3.1873	2.7997	-0.0018	5.9852	0.0177	0.021	0.003	0.0417
62	9.57	9.72	3.1865	2.7996	-0.0017	5.9844	0.0157	0.0181	0.0031	0.0369
63	9.3	9.63	3.1859	2.7999	-0.0017	5.9842	0.0217	0.0193	0.0045	0.0455
64	9.37	9.56	3.1848	2.8004	-0.0016	5.9835	0.0276	0.0226	0.0038	0.0539
65	9.26	9.52	3.1841	2.8008	-0.0015	5.9834	0.0289	0.0205	0.0026	0.052

66	9.02	9.5	3.1838	2.8011	-0.0014	5.9835	0.033	0.0229	0.0022	0.0581
67	8.32	9.48	3.1833	2.801	-0.0013	5.983	0.0339	0.0228	0.003	0.0596
68	8.75	9.42	3.1833	2.8013	-0.0013	5.9833	0.0336	0.0204	0.0041	0.0581
69	9.13	9.39	3.1831	2.8016	-0.0012	5.9835	0.0307	0.0126	0.0052	0.0485
70	9.21	9.36	3.1828	2.8017	-0.0013	5.9831	0.0384	0.0135	0.0043	0.0563
71	9	9.34	3.1826	2.8021	-0.0014	5.9832	0.0473	0.0156	0.0053	0.0683
72	9.06	9.33	3.1828	2.8021	-0.0015	5.9834	0.0486	0.0132	0.005	0.0668
73	9.57	9.38	3.1828	2.8021	-0.0016	5.9833	0.0458	0.0099	0.003	0.0587
74	9.75	9.45	3.1829	2.8024	-0.0018	5.9835	0.0423	0.0111	0.0036	0.057
75	9.57	9.52	3.1828	2.8028	-0.0019	5.9836	0.037	0.0112	0.0041	0.0523
76	9.81	9.6	3.1829	2.8027	-0.0022	5.9833	0.025	0.006	0.005	0.036
77	9.62	9.72	3.1821	2.802	-0.0024	5.9817	0.0168	0.0037	0.0059	0.0265
78	9.75	9.81	3.1821	2.8016	-0.0023	5.9814	0.0255	0.0008	0.0118	0.038
79	9.86	9.87	3.1819	2.8008	-0.0024	5.9803	0.0289	0.0052	0.0161	0.0502
80	9.58	9.92	3.1818	2.8003	-0.0022	5.9799	0.029	0.0106	0.0177	0.0573
81	9.41	9.97	3.1818	2.7997	-0.0019	5.9797	0.0349	0.0141	0.0157	0.0646
82	10.2	10	3.1817	2.7995	-0.0016	5.9796	0.039	0.0168	0.0163	0.0721
83	10.6	10	3.1818	2.7999	-0.0016	5.9801	0.0376	0.0207	0.0166	0.0749
84	10.6	10	3.1817	2.7999	-0.0017	5.98	0.0405	0.0231	0.017	0.0806
85	10.6	10	3.1816	2.8003	-0.0017	5.9802	0.0444	0.0263	0.0157	0.0864
86	10.7	10	3.1814	2.8003	-0.0019	5.9799	0.0438	0.0335	0.0135	0.0909
87	10.5	10	3.1814	2.8003	-0.002	5.9797	0.0451	0.0313	0.0117	0.0881
88	10.3	10	3.1817	2.8004	-0.002	5.9801	0.044	0.0349	0.0108	0.0896
89	10.1	10	3.1818	2.8002	-0.002	5.9799	0.0384	0.0392	0.0095	0.0871
90	10.1	10.1	3.1816	2.7996	-0.002	5.9793	0.0417	0.0376	0.0096	0.089
91	9.97	10.2	3.1817	2.7995	-0.0019	5.9793	0.0437	0.0344	0.0074	0.0855
92	9.61	10.2	3.1815	2.7996	-0.0018	5.9793	0.0446	0.0328	0.0047	0.0821
93	9.52	10.2	3.1812	2.7995	-0.0017	5.979	0.0526	0.0304	0.0013	0.0843
94	9.55	10.2	3.1812	2.7996	-0.0018	5.979	0.058	0.0306	-0.0031	0.0855
95	10	10.1	3.1827	2.7999	-0.0019	5.9807	0.0619	0.0312	-0.0041	0.0889
96	9.68	10.1	3.1837	2.7999	-0.002	5.9816	0.0667	0.0205	-0.003	0.0842
97	9.7	10.1	3.1839	2.8002	-0.0019	5.9822	0.0691	0.0131	-0.0016	0.0806
98	10.2	10.1	3.1842	2.8005	-0.002	5.9827	0.0638	0.0138	-0.0023	0.0753
99	10.8	10.1	3.1844	2.8004	-0.002	5.9828	0.0533	0.0119	-0.0017	0.0635
100	10.9	10.1	3.1843	2.8001	-0.002	5.9824	0.0318	0.0095	-0.0043	0.0369
101	10.5	10.1	3.184	2.8001	-0.002	5.9821	0.0198	0.0022	-0.0034	0.0186
102	10.3	10.1	3.1836	2.8006	-0.0016	5.9825	0.0059	0.0027	-0.0028	0.0058

103	10.3	10.2	3.1835	2.8011	-0.0012	5.9833	-0.0018	0.0072	-0.0054	0
104	9.91	10.2	3.1838	2.8012	-0.001	5.984	-0.0063	0.0088	-0.0066	-0.0041
105	9.9	10.2	3.1843	2.8014	-0.0008	5.9849	-0.0112	0.0063	-0.0059	-0.0108
106	10.2	10.3	3.1848	2.8021	-0.0011	5.9858	-0.0143	0.0064	-0.005	-0.013
107	10.2	10.3	3.1846	2.802	-0.0014	5.9852	-0.0075	0.003	-0.006	-0.0106
108	10.9	10.4	3.1851	2.8022	-0.0016	5.9857	0.0026	-0.0025	-0.0062	-0.0061
109	10.2	10.4	3.1852	2.8024	-0.0016	5.986	0.0096	-0.0037	-0.0057	0.0002
110	9.8	10.4	3.1851	2.8023	-0.0015	5.9859	0.0139	-0.0029	-0.0056	0.0054
111	10	10.4	3.185	2.802	-0.0015	5.9854	0.0242	-0.0037	-0.0048	0.0157
112	10.2	10.4	3.1847	2.8017	-0.0016	5.9849	0.0276	-0.006	-0.0034	0.0182
113	10.2	10.4	3.1844	2.8014	-0.0015	5.9843	0.0214	-0.009	-0.0007	0.0117
114	10.5	10.4	3.184	2.8013	-0.0014	5.984	0.0193	-0.0018	0.0013	0.0187
115	11	10.4	3.1834	2.8011	-0.0013	5.9831	0.009	0.0018	0.0016	0.0124
116	10.4	10.4	3.1831	2.8007	-0.0013	5.9825	0.0011	0.0066	0.0055	0.0132
117	11	10.4	3.1832	2.8006	-0.0014	5.9824	-0.0034	0.01	0.0071	0.0137
118	10.6	10.4	3.1834	2.801	-0.0016	5.9829	-0.0064	0.0129	0.0087	0.0152
119	10.7	10.4	3.1829	2.8005	-0.0016	5.9818	-0.006	0.0191	0.008	0.0211
120	10.5	10.4	3.1824	2.8003	-0.0017	5.981	-0.0075	0.0224	0.0089	0.0238
121	10.7	10.4	3.1823	2.8004	-0.0017	5.981	-0.0126	0.0247	0.0061	0.0183
122	10.4	10.4	3.1826	2.8005	-0.0016	5.9815	-0.015	0.0274	0.003	0.0154
123	10.1	10.5	3.1826	2.8003	-0.0017	5.9812	-0.0135	0.0262	0.0013	0.0139
124	9.92	10.4	3.1828	2.8004	-0.0016	5.9816	-0.0145	0.0217	-0.0001	0.0071
125	10.1	10.4	3.1835	2.8009	-0.0016	5.9829	-0.0164	0.0301	-0.0016	0.0121
126	10.3	10.4	3.1843	2.801	-0.0017	5.9836	-0.0142	0.0297	-0.0005	0.015
127	10.6	10.3	3.1835	2.8013	-0.0022	5.9826	-0.0139	0.0279	-0.0033	0.0106
128	10.4	10.3	3.1835	2.801	-0.0026	5.9818	-0.0257	0.0207	-0.0037	-0.0087
129	9.84	10.3	3.1839	2.8006	-0.0027	5.9818	-0.0253	0.0212	-0.0017	-0.0058
130	10.6	10.2	3.1835	2.8003	-0.0026	5.9812	-0.0257	0.0197	-0.0019	-0.0078
131	10.6	10.2	3.183	2.8001	-0.0025	5.9805	-0.0246	0.0202	-0.0002	-0.0047
132	10.4	10.2	3.1827	2.7998	-0.0027	5.9798	-0.0257	0.0122	0.0034	-0.0101
133	10.4	10.2	3.1825	2.7995	-0.0027	5.9793	-0.0264	0.0096	0.0049	-0.012
134	10.2	10.2	3.1829	2.7993	-0.0026	5.9796	-0.0245	0.0134	0.0044	-0.0067
135	10.3	10.2	3.183	2.7988	-0.0025	5.9793	-0.0227	0.014	0.0023	-0.0064
136	9.75	10.2	3.183	2.799	-0.0023	5.9797	-0.027	0.0124	0.0012	-0.0133
137	10	10.1	3.1831	2.7989	-0.0022	5.9799	-0.0315	0.0113	0.0015	-0.0187
138	10.3	10.1	3.1833	2.7985	-0.002	5.9798	-0.0337	0.0117	0.001	-0.021
139	9.77	10.1	3.1833	2.7988	-0.0018	5.9804	-0.029	0.0119	0.0014	-0.0157

140	9.97	10.1	3.1834	2.799	-0.0017	5.9808	-0.0269	0.0091	0.0015	-0.0163
141	10.1	10.1	3.1836	2.7994	-0.0015	5.9815	-0.0271	0.0021	0.0013	-0.0236
142	10.1	10	3.1838	2.7998	-0.0013	5.9822	-0.0264	-0.0003	0.0005	-0.0263
143	9.79	10	3.1842	2.7997	-0.0012	5.9827	-0.0255	-0.0009	0.0011	-0.0253
144	9.96	10	3.1844	2.7995	-0.0013	5.9826	-0.0269	-0.0073	0.002	-0.0323
145	10.2	9.98	3.1848	2.8004	-0.0014	5.9837	-0.0265	-0.0046	0.0013	-0.0299
146	10	9.95	3.1847	2.8008	-0.0016	5.9838	-0.0151	-0.003	-0.0002	-0.0183
147	9.69	9.94	3.1842	2.8005	-0.0018	5.9828	-0.0036	0.0002	-0.0032	-0.0067
148	9.96	9.91	3.1839	2.8007	-0.0019	5.9827	-0.0005	0.0077	-0.003	0.0041
149	10.5	9.91	3.1845	2.8008	-0.002	5.9834	0.0008	0.0134	-0.004	0.0101
150	9.98	9.91	3.1849	2.801	-0.0019	5.9839	0.0036	0.0113	-0.004	0.0109
151	9.93	9.91	3.1852	2.8007	-0.0019	5.9839	0.0015	0.0065	-0.0036	0.0044
152	10.2	9.92	3.1853	2.7999	-0.0017	5.9836	-0.0032	0.0082	-0.0018	0.0032
153	9.99	9.94	3.1855	2.7995	-0.0014	5.9836	-0.0072	0.0138	-0.0002	0.0064
154	9.58	9.96	3.1859	2.7997	-0.0014	5.9842	-0.0074	0.0174	0.0017	0.0117
155	9.06	9.94	3.186	2.7997	-0.0014	5.9843	-0.0059	0.0131	0.0045	0.0118
156	9.86	9.93	3.186	2.7995	-0.0013	5.9842	0.0005	0.0164	0.0056	0.0225
157	9.69	9.95	3.1856	2.7999	-0.0013	5.9842	0.0051	0.0242	0.0025	0.0318
158	9.73	9.97	3.1855	2.8001	-0.0012	5.9844	0.0036	0.0216	-0.0006	0.0246
159	9.98	9.97	3.1855	2.8	-0.0013	5.9841	0.0113	0.0248	-0.003	0.0331
160	10.2	9.96	3.1851	2.8002	-0.0014	5.9838	0.0143	0.0283	-0.0028	0.0399
161	10.3	9.94	3.1845	2.8003	-0.0015	5.9834	0.0151	0.0257	0.0003	0.0411
162	10.2	9.93	3.1844	2.8005	-0.0016	5.9832	0.0197	0.0243	0.001	0.0451
163	10.2	9.94	3.184	2.8001	-0.0018	5.9823	0.0175	0.0282	0.0014	0.0471
164	9.98	9.95	3.1839	2.8002	-0.0018	5.9823	0.0102	0.0196	0.0032	0.0331
165	9.83	10	3.184	2.8001	-0.002	5.9821	0.0032	0.0176	0.0062	0.0269
166	10	10	3.1842	2.8001	-0.0021	5.9821	-0.0017	0.0175	0.0093	0.0251
167	10.3	10	3.184	2.7997	-0.0022	5.9815	-0.0034	0.0176	0.0125	0.0267
168	10.4	10	3.1839	2.7994	-0.0021	5.9812	-0.0035	0.0156	0.0133	0.0254
169	9.95	10	3.1839	2.7994	-0.0021	5.9812	-0.0011	0.0216	0.012	0.0325
170	9.47	10	3.184	2.7992	-0.0019	5.9813	-0.0079	0.0214	0.0112	0.0247
171	10.1	9.98	3.1841	2.7993	-0.0017	5.9817	-0.0143	0.0216	0.009	0.0163
172	10.1	9.96	3.1842	2.7995	-0.0016	5.982	-0.0154	0.0234	0.0089	0.0168
173	9.77	9.96	3.1843	2.7999	-0.0016	5.9826	-0.0144	0.0227	0.0109	0.0193
174	10	9.99	3.1845	2.7994	-0.0016	5.9823	-0.0146	0.0197	0.0124	0.0175
175	9.91	9.96	3.1842	2.7998	-0.0019	5.9821	-0.0139	0.0262	0.0133	0.0256
176	10.2	9.98	3.1843	2.7999	-0.0019	5.9823	-0.0068	0.0343	0.011	0.0385

177	9.67	9.97	3.1846	2.8	-0.002	5.9826	-0.0011	0.0363	0.0107	0.0459
178	9.92	9.95	3.1846	2.7995	-0.0021	5.9819	-0.01	0.0391	0.0065	0.0356
179	10.1	9.96	3.1845	2.7989	-0.0022	5.9811	-0.0108	0.0341	0.0014	0.0247
180	9.57	10	3.1843	2.7983	-0.0022	5.9804	-0.0078	0.0326	-0.0003	0.0244
181	9.73	9.99	3.1844	2.7985	-0.0022	5.9807	-0.0105	0.0302	0.0004	0.0201
182	10.3	9.98	3.1843	2.7985	-0.002	5.9808	-0.0139	0.0283	-0.0003	0.0142
183	10.5	9.99	3.1842	2.7986	-0.002	5.9808	-0.0112	0.0257	-0.0025	0.012
184	9.33	9.98	3.184	2.7985	-0.0019	5.9806	-0.0107	0.0176	-0.003	0.004
185	10.4	9.96	3.1843	2.799	-0.0018	5.9815	0.0007	0.015	-0.0011	0.0147
186	10	9.93	3.1846	2.7992	-0.002	5.9817	-0.0015	0.0066	0.0022	0.0073
187	10.1	9.94	3.1848	2.7991	-0.0021	5.9818	0.002	0.0092	0.0065	0.0177
188	10.2	9.94	3.1846	2.7992	-0.0021	5.9817	0.0055	0.01	0.0089	0.0244
189	10.2	9.96	3.1844	2.7993	-0.0021	5.9816	0.0051	0.0082	0.0104	0.0237
190	9.84	9.99	3.1843	2.7994	-0.0021	5.9817	0.0022	0.0155	0.0118	0.0294
191	9.98	10	3.1843	2.7996	-0.0019	5.9819	-0.0017	0.0195	0.0131	0.0309
192	9.94	10	3.184	2.7997	-0.0019	5.9818	-0.0012	0.0244	0.0158	0.039
193	9.88	9.98	3.1839	2.8003	-0.0019	5.9823	-0.0052	0.029	0.0177	0.0414
194	9.45	10	3.1838	2.8001	-0.0019	5.982	-0.005	0.0341	0.015	0.0441
195	9.59	10	3.1842	2.8002	-0.0019	5.9825	-0.0071	0.0283	0.0151	0.0363
196	9.91	10.1	3.184	2.7999	-0.0017	5.9822	-0.002	0.0366	0.0139	0.0485
197	9.84	10.1	3.184	2.7994	-0.0016	5.9818	-0.001	0.0402	0.0111	0.0503
198	10.4	10	3.1841	2.7991	-0.0016	5.9817	-0.0019	0.0359	0.0098	0.0438
199	10.2	10.1	3.184	2.7992	-0.0016	5.9817	-0.0046	0.0446	0.0083	0.0483
200	10.4	10.1	3.1841	2.7994	-0.0017	5.9819	0.0009	0.0537	0.0084	0.0631
201	9.87	10.1	3.1843	2.7993	-0.0018	5.9818	0.0055	0.058	0.0101	0.0736
202	9.96	10.2	3.1843	2.7992	-0.0016	5.9819	0.0062	0.0545	0.0106	0.0712
203	10.5	10.2	3.1842	2.7993	-0.0014	5.9821	0.0049	0.0465	0.0131	0.0644
204	10.3	10.3	3.1844	2.7999	-0.0014	5.9829	0.0076	0.0424	0.0147	0.0647
205	10.6	10.3	3.1843	2.7997	-0.0014	5.9826	0.0127	0.0368	0.013	0.0625
206	9.91	10.3	3.1843	2.7996	-0.0013	5.9826	0.0141	0.0347	0.0119	0.0608
207	10.1	10.3	3.1843	2.7999	-0.0014	5.9828	0.0143	0.0325	0.0122	0.059
208	10.8	10.3	3.184	2.7997	-0.0013	5.9824	0.0088	0.04	0.0132	0.062
209	10.9	10.2	3.1838	2.7996	-0.0013	5.982	0.005	0.0414	0.0124	0.0588
210	10.1	10.2	3.1836	2.7997	-0.0015	5.9818	0.0028	0.0401	0.009	0.0519
211	10.3	10.2	3.183	2.7995	-0.0016	5.9809	-0.001	0.0406	0.0067	0.0462
212	10.5	10.2	3.183	2.7989	-0.0017	5.9802	-0.0067	0.0388	0.0046	0.0367
213	10.6	10.2	3.1834	2.7994	-0.0018	5.981	-0.0083	0.0385	0.0017	0.0319

214	10.6	10.2	3.1837	2.7996	-0.002	5.9813	-0.0111	0.0313	0.0002	0.0203
215	9.84	10.1	3.1836	2.7993	-0.0023	5.9806	-0.0141	0.0299	0.001	0.0168
216	9.98	10.1	3.1835	2.799	-0.0026	5.9799	-0.0161	0.0319	-0.002	0.0137
217	9.68	10.1	3.1836	2.7991	-0.0027	5.9799	-0.0157	0.0297	-0.0029	0.0112
218	9.71	10	3.1835	2.7989	-0.0028	5.9796	-0.0205	0.0238	-0.0031	0.0002
219	9.8	9.99	3.1837	2.7983	-0.0027	5.9793	-0.0253	0.0216	-0.0026	-0.0063
220	10.3	9.99	3.1838	2.7982	-0.0026	5.9793	-0.0259	0.02	-0.002	-0.0079
221	10.1	9.98	3.1839	2.798	-0.0026	5.9793	-0.0226	0.023	-0.001	-0.0007
222	9.9	9.96	3.184	2.7983	-0.0027	5.9796	-0.0188	0.0255	0.0021	0.0089
223	9.87	9.94	3.1841	2.7983	-0.0029	5.9795	-0.0164	0.0284	0.0046	0.0166
224	9.77	9.91	3.1842	2.7978	-0.003	5.979	-0.0161	0.0323	0.005	0.0212
225	9.49	9.89	3.1842	2.7975	-0.0027	5.979	-0.015	0.0234	0.005	0.0135
226	9.4	9.86	3.1844	2.7974	-0.0028	5.979	-0.0161	0.0306	0.0029	0.0174
227	9.54	9.85	3.1845	2.7974	-0.0029	5.979	-0.0162	0.0283	0.0018	0.014
228	10.2	9.86	3.1845	2.7975	-0.0028	5.9793	-0.0134	0.0287	0.0001	0.0154
229	10.2	9.87	3.1847	2.7974	-0.0026	5.9794	-0.0167	0.0244	-0.0024	0.0053
230	10.1	9.85	3.1846	2.7973	-0.0026	5.9792	-0.0207	0.0203	-0.0036	-0.004
231	10.2	9.86	3.1843	2.7972	-0.0025	5.979	-0.0222	0.0127	-0.004	-0.0135
232	10.3	9.89	3.1838	2.7972	-0.0024	5.9786	-0.0207	0.0142	-0.0032	-0.0098
233	9.89	9.89	3.1836	2.7977	-0.0024	5.9789	-0.0148	0.0144	-0.0023	-0.0027
234	9.53	9.93	3.1828	2.7978	-0.0025	5.9781	-0.0178	0.0139	-0.001	-0.0049
235	9.41	9.98	3.1832	2.7981	-0.0027	5.9785	-0.021	0.0138	0.0009	-0.0062
236	9.56	10	3.1828	2.7981	-0.0029	5.9779	-0.0181	0.0157	0.0006	-0.0018
237	9.78	10.1	3.1826	2.7979	-0.0031	5.9774	-0.0173	0.0156	-0.0019	-0.0036
238	10.1	10.1	3.1828	2.7977	-0.003	5.9775	-0.0146	0.0162	-0.0028	-0.0012
239	9.82	10.1	3.1831	2.7973	-0.0029	5.9775	-0.0159	0.0165	-0.0039	-0.0033
240	10.4	10.1	3.1836	2.797	-0.003	5.9777	-0.0197	0.0191	-0.0041	-0.0047
241	10.5	10.1	3.1837	2.7969	-0.0031	5.9776	-0.0202	0.017	-0.0061	-0.0093
242	9.76	10.1	3.1843	2.7969	-0.0031	5.9781	-0.0176	0.0128	-0.0063	-0.0111
243	10.6	10.1	3.1847	2.7963	-0.0027	5.9783	-0.0169	0.0146	-0.006	-0.0083
244	10.3	10.2	3.1851	2.7967	-0.0028	5.979	-0.0229	0.0217	-0.007	-0.0082
245	10.6	10.2	3.185	2.7967	-0.0028	5.9789	-0.0292	0.024	-0.005	-0.0102
246	10.4	10.3	3.1848	2.7967	-0.0027	5.9788	-0.0322	0.0238	-0.0046	-0.013
247	10.7	10.3	3.1844	2.7969	-0.0028	5.9785	-0.0331	0.0228	-0.0022	-0.0125
248	9.99	10.2	3.1844	2.7962	-0.0028	5.9779	-0.0307	0.0218	0.0003	-0.0086
249	10.2	10.3	3.1844	2.7954	-0.0028	5.977	-0.0253	0.0186	0.0001	-0.0066
250	10.4	10.3	3.1844	2.7952	-0.003	5.9766	-0.0207	0.0192	-0.0005	-0.002

251	10.3	10.2	3.1845	2.7952	-0.003	5.9768	-0.0175	0.0239	-0.0002	0.0062
252	10.1	10.2	3.1848	2.7953	-0.003	5.9771	-0.0188	0.0204	0.0002	0.0018
253	10.5	10.2	3.1847	2.7953	-0.0029	5.9771	-0.0206	0.0147	0.0029	-0.003
254	10.4	10.2	3.1846	2.796	-0.0027	5.9779	-0.0202	0.0165	0.005	0.0014
255	10	10.1	3.1846	2.7962	-0.0026	5.9782	-0.0141	0.0287	0.0044	0.019
256	9.73	10.1	3.1845	2.7963	-0.0025	5.9783	-0.0119	0.025	0.0036	0.0166
257	9.93	10.1	3.1847	2.7959	-0.0026	5.978	-0.0072	0.0214	0.0036	0.0179
258	10.5	10.1	3.185	2.7959	-0.0025	5.9785	-0.0061	0.0221	0.0035	0.0195
259	10.4	10.1	3.1852	2.796	-0.0022	5.9789	-0.0083	0.0228	0.0024	0.0169
260	9.62	10.1	3.1852	2.7961	-0.0021	5.9792	-0.0069	0.0191	0.002	0.0142
261	9.76	10.1	3.1852	2.7964	-0.0019	5.9797	-0.0068	0.0222	0.0025	0.0178
262	9.82	10.1	3.1852	2.7967	-0.0018	5.9801	-0.0072	0.0214	0.003	0.0172
263	9.8	10.1	3.1851	2.797	-0.0018	5.9803	-0.01	0.0148	0.0014	0.0063
264	10.1	10.1	3.1853	2.7972	-0.0019	5.9806	-0.0049	0.0217	0.0034	0.0202
265	10.1	10.1	3.1856	2.7969	-0.0018	5.9807	0.0003	0.0277	0.0031	0.0311
266	10.4	10.1	3.1857	2.7971	-0.0018	5.981	0.0027	0.0285	0.0018	0.033
267	10.2	10.1	3.186	2.7973	-0.0019	5.9815	0.0028	0.028	-0.0005	0.0302
268	9.9	10.1	3.1864	2.7972	-0.0018	5.9818	0.0066	0.0291	-0.0019	0.0338
269	9.9	10.1	3.1865	2.7974	-0.0019	5.9819	0.0064	0.026	-0.0014	0.0309
270	9.85	10.1	3.1863	2.7969	-0.0018	5.9814	0.0072	0.021	0.0003	0.0285
271	10.3	10.1	3.186	2.7968	-0.0019	5.9808	0.0065	0.0168	0.0017	0.025
272	10.4	10.2	3.1858	2.7966	-0.0021	5.9804	0.0061	0.0158	0.0035	0.0254
273	10.5	10.2	3.1859	2.7967	-0.0021	5.9805	0.0061	0.0164	0.0031	0.0256
274	9.64	10.2	3.186	2.7971	-0.0021	5.981	0.0079	0.0141	0.001	0.023
275	10.4	10.2	3.1858	2.7967	-0.0022	5.9804	0.011	0.0106	-0.0016	0.02
276	10.2	10.2	3.1859	2.7971	-0.0021	5.9809	0.0159	0.0087	0.0009	0.0255
277	10.2	10.2	3.186	2.7971	-0.002	5.981	0.023	0.0063	-0.0007	0.0287
278	10.3	10.2	3.1863	2.797	-0.0019	5.9814	0.026	0.0053	-0.0008	0.0305
279	10.4	10.2	3.1865	2.7968	-0.0018	5.9815	0.0258	0.0088	0.0028	0.0375
280	10.2	10.3	3.1865	2.7971	-0.0018	5.9818	0.0264	0.0094	0.0054	0.0412
281	9.96	10.3	3.1865	2.797	-0.0019	5.9816	0.0266	0.0123	0.006	0.0448
282	10.1	10.2	3.1858	2.7971	-0.0018	5.9811	0.0226	0.0186	0.0052	0.0464
283	10.9	10.2	3.186	2.7972	-0.0019	5.9813	0.0159	0.0232	0.0059	0.045
284	10.6	10.2	3.1861	2.7971	-0.002	5.9812	0.013	0.0252	0.0054	0.0435
285	9.68	10.2	3.1861	2.7975	-0.0019	5.9817	0.0031	0.0228	0.0032	0.029
286	10.4	10.2	3.1863	2.7976	-0.0018	5.9821	0.0029	0.025	0.0013	0.0293
287	10.3	10.2	3.1862	2.7975	-0.0018	5.9819	-0.0036	0.0279	-0.001	0.0233

288	10.3	10.1	3.1862	2.7976	-0.0017	5.982	-0.0093	0.0293	-0.0031	0.017
289	10.2	10.1	3.1864	2.7973	-0.0017	5.982	-0.0114	0.0259	-0.0043	0.0102
290	10	10.1	3.1864	2.7977	-0.0015	5.9826	-0.0118	0.0194	-0.0077	-0.0002
291	9.59	10.1	3.1861	2.7983	-0.0013	5.983	-0.0069	0.0143	-0.0096	-0.0022
292	10.2	10.1	3.1857	2.7982	-0.0013	5.9827	-0.0057	0.0054	-0.0116	-0.0119
293	10.2	10.1	3.1862	2.7981	-0.0012	5.9831	-0.0038	-0.002	-0.0135	-0.0193
294	9.38	10	3.1867	2.7977	-0.0014	5.9831	0.0013	-0.0096	-0.0096	-0.018
295	10.1	10	3.1874	2.7978	-0.0014	5.9838	0.0045	-0.007	-0.0095	-0.0119
296	10.1	10	3.1873	2.7976	-0.0014	5.9835	-0.0016	-0.0059	-0.0095	-0.017
297	9.97	10	3.187	2.7973	-0.0016	5.9827	-0.0072	-0.0019	-0.0104	-0.0196
298	9.98	10	3.1867	2.7973	-0.0016	5.9824	-0.0067	-0.0023	-0.0119	-0.0209
299	10.3	9.99	3.1861	2.7973	-0.0015	5.9819	-0.0006	-0.0077	-0.0097	-0.018
300	10.2	10	3.1859	2.7971	-0.0016	5.9813	0.0032	-0.0139	-0.0085	-0.0192
301	10.1	10.1	3.1862	2.7972	-0.0018	5.9816	0.006	-0.0178	-0.0076	-0.0194
302	9.84	10.1	3.1864	2.7977	-0.0019	5.9822	0.0106	-0.0168	-0.007	-0.0132
303	9.79	10.1	3.1862	2.7977	-0.0019	5.982	0.0163	-0.0101	-0.0066	-0.0004
304	9.52	10.1	3.1858	2.797	-0.0018	5.981	0.0162	-0.0022	-0.0045	0.0094
305	9.88	10.1	3.1855	2.7972	-0.0017	5.981	0.0155	0.007	-0.0011	0.0214
306	10.2	10.2	3.185	2.7975	-0.0017	5.9808	0.0197	0.0092	-0.0009	0.0281
307	10.3	10.2	3.1849	2.7976	-0.0017	5.9808	0.0225	0.0123	0.0038	0.0386
308	10.1	10.2	3.1848	2.7975	-0.0015	5.9807	0.0284	0.01	0.006	0.0444
309	10.5	10.3	3.1845	2.7977	-0.0015	5.9806	0.0322	0.0173	0.0099	0.0595
310	10.3	10.3	3.1843	2.7975	-0.0018	5.98	0.0317	0.0242	0.0131	0.069
311	10.1	10.3	3.1837	2.7974	-0.0019	5.9792	0.0291	0.0264	0.0143	0.0698
312	10.9	10.4	3.184	2.7974	-0.0018	5.9795	0.0267	0.0276	0.0152	0.0695
313	10.5	10.4	3.1839	2.7972	-0.0021	5.979	0.025	0.0268	0.0139	0.0657
314	9.86	10.4	3.1837	2.7968	-0.0023	5.9782	0.0258	0.0324	0.0174	0.0756
315	10.5	10.5	3.1833	2.7965	-0.0024	5.9773	0.0302	0.037	0.017	0.0842
316	10.7	10.5	3.1832	2.7962	-0.0025	5.9768	0.0325	0.0351	0.0174	0.085
317	11	10.5	3.1829	2.7961	-0.0025	5.9765	0.0316	0.036	0.0163	0.084
318	10.9	10.5	3.1829	2.7963	-0.0027	5.9765	0.033	0.0391	0.0147	0.0869
319	10.5	10.5	3.183	2.7962	-0.0028	5.9765	0.0365	0.0426	0.0131	0.0921
320	10.6	10.5	3.1831	2.7965	-0.0028	5.9768	0.0379	0.0443	0.0099	0.0921
321	10.8	10.5	3.1833	2.7965	-0.0029	5.9768	0.0339	0.0342	0.0089	0.077
322	10.1	10.5	3.1834	2.7966	-0.003	5.977	0.0262	0.031	0.0068	0.064
323	10.6	10.4	3.1833	2.7969	-0.003	5.9772	0.0219	0.0312	0.0045	0.0576
324	10.4	10.5	3.1831	2.7967	-0.0028	5.977	0.02	0.0329	0.004	0.0569

325	10.5	10.4	3.1826	2.7966	-0.0028	5.9765	0.0178	0.0358	0.0036	0.0572
326	10.5	10.4	3.1821	2.7967	-0.0027	5.9761	0.0144	0.029	0.0019	0.0453
327	10.7	10.4	3.1819	2.7968	-0.0028	5.976	0.0165	0.0276	0.0021	0.0462
328	9.78	10.4	3.182	2.7967	-0.003	5.9756	0.0234	0.0241	0.0036	0.0512
329	10.3	10.3	3.182	2.7964	-0.0032	5.9753	0.0335	0.0215	0.0074	0.0624
330	10.3	10.3	3.1819	2.796	-0.0032	5.9747	0.0379	0.0215	0.0106	0.07
331	10.1	10.3	3.1821	2.7954	-0.003	5.9744	0.0429	0.0257	0.0131	0.0817
332	10.1	10.3	3.1823	2.7949	-0.003	5.9741	0.046	0.0289	0.0144	0.0892
333	10.2	10.3	3.1823	2.7952	-0.0029	5.9745	0.0387	0.0333	0.0164	0.0884
334	10.2	10.3	3.1825	2.7955	-0.0028	5.9752	0.0421	0.0365	0.0141	0.0927
335	10.7	10.3	3.1829	2.7956	-0.0029	5.9756	0.045	0.0401	0.014	0.099
336	10.5	10.3	3.1832	2.7953	-0.0028	5.9756	0.0495	0.0443	0.016	0.1098
337	10.1	10.3	3.1835	2.795	-0.0028	5.9757	0.0513	0.0504	0.016	0.1177
338	9.99	10.3	3.1839	2.7951	-0.0026	5.9764	0.0491	0.0484	0.0169	0.1144
339	10.3	10.3	3.1843	2.7953	-0.0022	5.9775	0.0484	0.0473	0.0181	0.1138
340	10.3	10.3	3.1843	2.7956	-0.002	5.9779	0.052	0.0461	0.0176	0.1158
341	9.98	10.4	3.1843	2.7964	-0.0019	5.9788	0.0534	0.0492	0.0199	0.1225
342	10.2	10.4	3.1847	2.7971	-0.0018	5.98	0.0487	0.055	0.0199	0.1235
343	10.6	10.4	3.1846	2.7973	-0.0018	5.9801	0.0445	0.0526	0.0175	0.1147
344	10.6	10.4	3.1846	2.7974	-0.0018	5.9802	0.0504	0.0545	0.0166	0.1215
345	10.6	10.4	3.1851	2.7973	-0.0018	5.9806	0.0542	0.0492	0.0134	0.1168
346	10.6	10.4	3.1855	2.7969	-0.0017	5.9808	0.0586	0.047	0.0134	0.119
347	10	10.4	3.1851	2.7971	-0.0016	5.9806	0.0575	0.0448	0.0135	0.1158
348	10.8	10.4	3.1845	2.797	-0.0018	5.9797	0.0552	0.0434	0.0114	0.1101
349	10.3	10.4	3.1841	2.7968	-0.002	5.979	0.0499	0.0411	0.0091	0.1
350	10.5	10.4	3.1838	2.7969	-0.0022	5.9785	0.0409	0.0442	0.0095	0.0946
351	10.5	10.4	3.1835	2.7969	-0.0023	5.9781	0.0343	0.0413	0.0085	0.084
352	10.2	10.4	3.1832	2.7963	-0.0023	5.9772	0.0318	0.0412	0.0051	0.0782
353	10.2	10.4	3.1831	2.7955	-0.0025	5.9762	0.0287	0.0468	0.002	0.0775
354	10.4	10.3	3.183	2.7953	-0.0026	5.9758	0.0216	0.0489	0.0018	0.0723
355	10.5	10.3	3.1826	2.7953	-0.0025	5.9754	0.0089	0.0382	0.0016	0.0487
356	10.7	10.3	3.1823	2.7951	-0.0029	5.9744	0.0048	0.0412	0.0027	0.0486
357	10.3	10.3	3.1819	2.7949	-0.0032	5.9735	-0.0094	0.0409	0.0053	0.0368
358	10	10.3	3.1818	2.7942	-0.0035	5.9725	-0.0095	0.0396	0.0066	0.0367
359	9.85	10.3	3.182	2.7936	-0.0036	5.972	-0.0093	0.0351	0.0106	0.0364
360	10	10.3	3.1823	2.7935	-0.0035	5.9722	-0.0141	0.0349	0.0123	0.0331
361	10.4	10.2	3.1825	2.7937	-0.0035	5.9727	-0.0149	0.0321	0.008	0.0252

362	10.1	10.2	3.1827	2.794	-0.0032	5.9735	-0.0209	0.0313	0.0058	0.0162
363	10.2	10.2	3.1825	2.7937	-0.0035	5.9727	-0.0172	0.0347	0.0038	0.0213
364	10.5	10.2	3.1823	2.7935	-0.0036	5.9722	-0.0167	0.0302	-0.0001	0.0134
365	10.4	10.2	3.1824	2.7934	-0.0035	5.9722	-0.0202	0.024	-0.0035	0.0004
366	10.3	10.2	3.1826	2.7935	-0.0035	5.9726	-0.021	0.0197	-0.0058	-0.0072
367	10.3	10.2	3.1827	2.7934	-0.0033	5.9728	-0.0184	0.0166	-0.0073	-0.0091
368	10.5	10.2	3.1828	2.793	-0.0032	5.9726	-0.0223	0.0157	-0.0082	-0.0149
369	9.57	10.2	3.1827	2.7929	-0.0029	5.9727	-0.0121	0.0117	-0.0076	-0.0081
370	10	10.3	3.1829	2.7935	-0.0027	5.9737	-0.0019	0.0122	-0.007	0.0033
371	10.2	10.3	3.1834	2.7937	-0.0026	5.9744	-0.0033	0.0136	-0.0057	0.0047
372	10.3	10.3	3.1836	2.7935	-0.0025	5.9746	-0.0073	0.0146	-0.006	0.0012
373	10.1	10.3	3.1839	2.7934	-0.0025	5.9748	-0.0074	0.0177	-0.0053	0.005
374	10.2	10.3	3.1842	2.7935	-0.0025	5.9753	-0.0036	0.0197	-0.0033	0.0128
375	10.5	10.3	3.1844	2.7938	-0.0024	5.9758	-0.0007	0.0213	0.0011	0.0216
376	9.95	10.3	3.1842	2.7943	-0.0023	5.9763	-0.0011	0.0257	0.002	0.0266
377	10	10.3	3.1836	2.7947	-0.0024	5.9759	0.0026	0.0315	0.0063	0.0404
378	10.6	10.4	3.183	2.7949	-0.0026	5.9752	0.0044	0.0349	0.0076	0.0468
379	10.9	10.4	3.1827	2.7947	-0.0029	5.9745	0.0052	0.0368	0.0067	0.0487
380	10.8	10.4	3.1822	2.7945	-0.0031	5.9736	0.0063	0.0396	0.0061	0.052
381	10.6	10.5	3.1819	2.7942	-0.0033	5.9727	0.008	0.0417	0.0053	0.055
382	10.7	10.5	3.182	2.7938	-0.0035	5.9723	0.0128	0.042	0.0041	0.0589
383	10.4	10.5	3.1818	2.7936	-0.0033	5.972	0.0146	0.0398	0.001	0.0554
384	10.5	10.5	3.1816	2.7931	-0.0034	5.9713	0.0125	0.0437	0.0008	0.057
385	10.1	10.5	3.1812	2.793	-0.0035	5.9707	0.003	0.0523	-0.0004	0.055
386	10.5	10.6	3.1812	2.7926	-0.0034	5.9703	-0.0018	0.0516	-0.0022	0.0477
387	10.7	10.6	3.1813	2.7927	-0.0035	5.9705	-0.0044	0.0446	-0.0037	0.0365
388	10.6	10.6	3.1814	2.7928	-0.0036	5.9706	-0.0053	0.0384	-0.0041	0.029
389	10.5	10.6	3.1812	2.7927	-0.0035	5.9704	-0.0014	0.0345	-0.0007	0.0324
390	10.5	10.6	3.181	2.7928	-0.0035	5.9703	0.004	0.0354	0.0033	0.0427
391	10.5	10.5	3.1812	2.7928	-0.0033	5.9707	0.0057	0.0355	0.005	0.0463
392	10.4	10.5	3.1813	2.793	-0.0031	5.9712	0.0082	0.0384	0.0059	0.0525
393	10.6	10.5	3.1812	2.7927	-0.0029	5.971	0.0164	0.0434	0.0069	0.0667
394	10.7	10.5	3.1813	2.7928	-0.0027	5.9714	0.0204	0.0422	0.0059	0.0684
395	10.7	10.5	3.1815	2.7931	-0.0027	5.9719	0.0255	0.0378	0.0042	0.0675
396	10.7	10.5	3.1816	2.7931	-0.0028	5.9719	0.0327	0.0332	0.004	0.0698
397	11	10.5	3.1815	2.7929	-0.0028	5.9717	0.0372	0.0298	0.0061	0.0731
398	10.7	10.5	3.1817	2.7932	-0.0025	5.9724	0.0347	0.027	0.0059	0.0676

399	9.83	10.5	3.182	2.7929	-0.0025	5.9724	0.0312	0.0243	0.005	0.0606
400	10.1	10.5	3.1825	2.7929	-0.0025	5.9729	0.0271	0.0224	0.0034	0.053
401	10.3	10.5	3.183	2.7931	-0.0023	5.9738	0.0246	0.0257	0.0022	0.0525
402	10.2	10.5	3.1835	2.793	-0.0021	5.9744	0.0228	0.0265	0.002	0.0513
403	10	10.5	3.1841	2.7928	-0.0021	5.9748	0.0229	0.0208	0.0019	0.0457
404	10.3	10.5	3.1849	2.7932	-0.002	5.9761	0.0239	0.014	0.0017	0.0396
405	10.9	10.4	3.185	2.7931	-0.002	5.9761	0.0187	0.0111	0.001	0.0309
406	10.8	10.4	3.1859	2.7934	-0.0022	5.9771	0.0021	0.0129	0.001	0.016
407	10.9	10.5	3.1858	2.7937	-0.0024	5.9771	-0.0063	0.0146	-0.0039	0.0045
408	10.8	10.5	3.1857	2.7939	-0.0026	5.9771	-0.0141	0.0143	-0.0084	-0.0081
409	10.5	10.5	3.1859	2.7942	-0.0027	5.9773	-0.0148	0.0064	-0.0127	-0.0211
410	10.3	10.5	3.1858	2.7943	-0.0026	5.9775	-0.0101	-0.0041	-0.0146	-0.0288
411	10.4	10.5	3.1858	2.7943	-0.0025	5.9776	-0.006	-0.0109	-0.0143	-0.0312
412	10.3	10.5	3.1857	2.7939	-0.0022	5.9774	-0.0046	-0.0125	-0.0144	-0.0315
413	10.1	10.6	3.1855	2.7942	-0.0021	5.9776	0.003	-0.0101	-0.0111	-0.0182
414	10.3	10.6	3.1857	2.7944	-0.002	5.9781	0.0022	-0.0195	-0.0135	-0.0309
415	10.8	10.5	3.1854	2.7945	-0.0019	5.978	-0.0023	-0.0201	-0.0118	-0.0342
416	11.1	10.5	3.185	2.7945	-0.0018	5.9777	-0.0023	-0.0093	-0.0081	-0.0197
417	10.7	10.4	3.1851	2.7946	-0.0017	5.978	-0.0015	0.0038	-0.0051	-0.0028
418	10.7	10.4	3.1841	2.7951	-0.0019	5.9773	-0.002	0.0108	-0.0028	0.006
419	10.7	10.4	3.1832	2.795	-0.0021	5.9761	-0.0025	0.0109	0.0003	0.0087
420	10.3	10.3	3.1835	2.7951	-0.0022	5.9764	-0.0047	0.0157	0.002	0.0129
421	10.5	10.3	3.184	2.795	-0.0024	5.9767	0.0003	0.0292	0.0029	0.0324
422	10.7	10.4	3.1841	2.7949	-0.0025	5.9765	0.0069	0.0283	0.0024	0.0376
423	10.2	10.4	3.1837	2.7949	-0.0027	5.9759	0.008	0.0235	0.0021	0.0336
424	10.1	10.4	3.1832	2.7946	-0.0029	5.9748	0.0069	0.0235	0.0012	0.0315
425	9.88	10.4	3.1827	2.794	-0.003	5.9738	0.0063	0.0275	-0.0002	0.0336
426	10	10.4	3.1818	2.7936	-0.0033	5.9721	0.0059	0.0293	-0.0009	0.0343
427	9.91	10.4	3.1815	2.7934	-0.0035	5.9713	0.0053	0.0334	-0.0011	0.0376
428	9.86	10.4	3.1815	2.793	-0.0037	5.9707	0.0009	0.0335	-0.0011	0.0333
429	9.94	10.4	3.1814	2.7925	-0.0038	5.9701	-0.0041	0.0325	-0.0034	0.025
430	10.2	10.4	3.1811	2.7919	-0.0037	5.9692	-0.003	0.03	-0.0066	0.0204
431	10.8	10.4	3.1808	2.7912	-0.0035	5.9685	-0.0059	0.0253	-0.0098	0.0095
432	10.9	10.4	3.1808	2.7909	-0.0031	5.9686	-0.0092	0.0166	-0.013	-0.0056
433	10.3	10.3	3.1811	2.7908	-0.003	5.9689	-0.0085	0.0085	-0.0135	-0.0135
434	10.5	10.3	3.1822	2.7903	-0.0028	5.9697	-0.0102	0.0056	-0.0112	-0.0158
435	10.9	10.3	3.183	2.7904	-0.0026	5.9708	-0.0077	0.0011	-0.012	-0.0185

436	11	10.3	3.1836	2.7908	-0.0025	5.9719	-0.0159	-0.0017	-0.0128	-0.0304
437	10.7	10.3	3.184	2.7912	-0.0024	5.9728	-0.0144	-0.0074	-0.0133	-0.0351
438	10.4	10.3	3.1841	2.7916	-0.0025	5.9732	-0.0149	-0.0099	-0.014	-0.0388
439	11	10.3	3.1839	2.7918	-0.0025	5.9732	-0.0149	-0.0061	-0.0133	-0.0344
440	10.1	10.3	3.1837	2.7921	-0.0025	5.9733	-0.0188	-0.0044	-0.012	-0.0352
441	10.3	10.3	3.1835	2.7925	-0.0025	5.9735	-0.0232	-0.0013	-0.0118	-0.0363
442	9.9	10.3	3.183	2.7928	-0.0024	5.9734	-0.0221	0.0025	-0.0095	-0.0291
443	9.82	10.3	3.1825	2.7931	-0.0024	5.9732	-0.0224	0.005	-0.0072	-0.0245
444	9.92	10.3	3.1821	2.7936	-0.0023	5.9734	-0.0237	-0.0006	-0.007	-0.0313
445	9.69	10.3	3.1819	2.794	-0.0022	5.9736	-0.0193	0.0007	-0.0072	-0.0259
446	9.79	10.3	3.1818	2.794	-0.0023	5.9735	-0.0193	0.0011	-0.0074	-0.0256
447	9.75	10.3	3.1816	2.7944	-0.0022	5.9738	-0.0193	0.0052	-0.01	-0.024
448	9.86	10.3	3.1813	2.7946	-0.0023	5.9736	-0.0168	0.0052	-0.011	-0.0225
449	10.2	10.2	3.1814	2.7946	-0.0023	5.9737	-0.0141	0.0076	-0.01	-0.0165
450	10.3	10.2	3.1813	2.7944	-0.0024	5.9733	-0.012	0.0036	-0.0087	-0.0171
451	10.6	10.3	3.1812	2.7942	-0.0025	5.973	-0.0121	0.0021	-0.0084	-0.0184
452	10.8	10.3	3.1809	2.7942	-0.0025	5.9726	-0.0107	0.001	-0.0062	-0.016
453	10.8	10.3	3.1807	2.7941	-0.0026	5.9722	-0.0073	-0.0011	-0.0024	-0.0108
454	11.2	10.3	3.1812	2.7942	-0.0027	5.9727	-0.0023	-0.0022	-0.0005	-0.005
455	10.7	10.3	3.1824	2.794	-0.0026	5.9738	0.003	0.006	0.0018	0.0108
456	10.8	10.3	3.1829	2.7936	-0.0025	5.974	0.0063	0.0078	0.002	0.0161
457	10.2	10.3	3.1833	2.7934	-0.0024	5.9743	0.0201	0.0158	-0.0013	0.0346
458	9.91	10.3	3.1833	2.7936	-0.0022	5.9747	0.0214	0.0189	-0.0037	0.0366
459	10.2	10.3	3.183	2.794	-0.0021	5.9749	0.025	0.0216	-0.0071	0.0395
460	10.4	10.3	3.1829	2.7946	-0.0021	5.9754	0.0304	0.0247	-0.0093	0.0458
461	9.88	10.3	3.183	2.7949	-0.002	5.9759	0.0323	0.0243	-0.0085	0.0481
462	10.3	10.2	3.1824	2.795	-0.0021	5.9753	0.0325	0.0203	-0.0096	0.0431
463	9.75	10.2	3.1823	2.7957	-0.0022	5.9758	0.0269	0.0168	-0.0071	0.0365
464	9.71	10.2	3.1825	2.7955	-0.0024	5.9756	0.0196	0.0176	-0.0046	0.0326
465	10.2	10.1	3.1826	2.7943	-0.0027	5.9742	0.024	0.0154	-0.0028	0.0366
466	10.4	10.1	3.1827	2.7931	-0.0029	5.9729	0.0222	0.0134	0	0.0357
467	9.97	10.1	3.1829	2.7923	-0.0031	5.9722	0.0209	0.0103	0.0049	0.0361
468	9.73	10.2	3.183	2.7919	-0.0032	5.9717	0.0293	0.0108	0.0067	0.0469
469	10.1	10.2	3.1832	2.7914	-0.0031	5.9714	0.0226	0.0141	0.0081	0.0448
470	10.3	10.2	3.1828	2.7906	-0.003	5.9704	0.0151	0.0167	0.0079	0.0398
471	10.1	10.2	3.1827	2.7908	-0.0029	5.9706	0.015	0.0217	0.0092	0.0459
472	10	10.2	3.1828	2.7912	-0.0027	5.9712	0.0229	0.0265	0.0087	0.0582

473	10.2	10.3	3.1832	2.7911	-0.0026	5.9716	0.0286	0.0279	0.0067	0.0632
474	10.3	10.3	3.1836	2.7908	-0.0024	5.9719	0.0262	0.0283	0.0048	0.0593
475	10.6	10.3	3.1838	2.7909	-0.0023	5.9724	0.0243	0.0273	0.0039	0.0555
476	10.3	10.3	3.1837	2.791	-0.0022	5.9725	0.0236	0.0254	0.0033	0.0524
477	10.8	10.3	3.1835	2.7913	-0.0023	5.9726	0.0125	0.0244	0.0005	0.0374
478	10.7	10.3	3.1834	2.7916	-0.0023	5.9727	0.0096	0.0208	-0.0014	0.029
479	10.6	10.3	3.183	2.7917	-0.0022	5.9725	0.0116	0.0169	-0.004	0.0244
480	10.4	10.3	3.1828	2.792	-0.0021	5.9726	0.0158	0.0157	-0.0031	0.0284
481	10.1	10.4	3.1828	2.7925	-0.002	5.9733	0.0134	0.0095	-0.0038	0.0191
482	10.5	10.4	3.1828	2.7929	-0.0021	5.9736	0.0114	0.0007	-0.0041	0.008
483	10.2	10.5	3.1828	2.793	-0.0022	5.9736	0.0096	-0.0036	-0.0016	0.0044
484	9.78	10.5	3.1824	2.793	-0.0022	5.9732	0.012	-0.0038	-0.0007	0.0075
485	10.4	10.5	3.1828	2.7932	-0.0022	5.9738	0.0211	-0.001	0.0005	0.0205
486	10.3	10.5	3.1826	2.7933	-0.0021	5.9738	0.0177	0.0047	0.0009	0.0233
487	10.3	10.5	3.1828	2.7937	-0.0021	5.9744	0.0127	0.0098	0.0015	0.024
488	10.3	10.5	3.1828	2.7934	-0.0022	5.9741	0.0144	0.0154	0.0025	0.0323
489	10.8	10.5	3.1831	2.7932	-0.0023	5.974	0.0108	0.0222	-0.001	0.0321
490	11	10.5	3.1833	2.7929	-0.0023	5.974	0.005	0.0218	0	0.0267
491	10.8	10.5	3.1834	2.7925	-0.0024	5.9736	0.0036	0.0203	0	0.0239
492	10.6	10.5	3.1835	2.7925	-0.0023	5.9736	0.0023	0.024	-0.0003	0.026
493	10.9	10.5	3.1835	2.7927	-0.0022	5.9741	-0.0037	0.0259	-0.0007	0.0215
494	10.8	10.6	3.1833	2.7927	-0.002	5.974	-0.0075	0.025	-0.001	0.0165
495	10.6	10.6	3.1835	2.793	-0.002	5.9744	-0.0079	0.0307	-0.0017	0.0211
496	10.7	10.6	3.1835	2.7926	-0.0018	5.9743	-0.007	0.0308	-0.0023	0.0215
497	11	10.6	3.1832	2.7924	-0.0017	5.9739	-0.0087	0.0269	-0.0022	0.0161
498	10.4	10.6	3.1831	2.7924	-0.0015	5.974	-0.0102	0.0294	-0.001	0.0182
499	10.7	10.7	3.1832	2.7925	-0.0016	5.9741	-0.0081	0.0236	-0.001	0.0145
500	10.2	10.6	3.1837	2.7927	-0.0017	5.9747	-0.0093	0.0141	-0.001	0.0039
501	10.3	10.6	3.184	2.793	-0.0017	5.9753	-0.0148	0.0168	-0.0014	0.0006
502	10.5	10.6	3.1842	2.7932	-0.0019	5.9755	-0.0191	0.0183	-0.0048	-0.0056
503	10.7	10.6	3.1843	2.793	-0.002	5.9753	-0.0211	0.0218	-0.0038	-0.0031
504	10.3	10.6	3.1846	2.7926	-0.0022	5.975	-0.0189	0.0182	-0.0025	-0.0033
505	10.6	10.6	3.1844	2.7923	-0.0022	5.9745	-0.016	0.0151	-0.0019	-0.0028
506	11.1	10.6	3.1839	2.7918	-0.0021	5.9736	-0.007	0.0101	-0.0027	0.0004
507	10.2	10.6	3.1837	2.7918	-0.002	5.9735	-0.0043	0.0081	-0.0045	-0.0006
508	10.9	10.6	3.1832	2.7918	-0.0019	5.9731	-0.0028	0.0098	-0.0022	0.0048
509	10.2	10.6	3.1828	2.7917	-0.0018	5.9727	0.001	0.0116	0.0009	0.0135

510	10.5	10.6	3.1826	2.7919	-0.0017	5.9727	0.002	0.0186	0.0038	0.0244
511	10.8	10.7	3.1825	2.7922	-0.0015	5.9733	0.0029	0.0245	0.0053	0.0327
512	10.9	10.7	3.183	2.7922	-0.0015	5.9738	0.0058	0.031	0.0048	0.0415
513	10.8	10.7	3.1836	2.7924	-0.0017	5.9744	-0.002	0.0291	0.0025	0.0296
514	10.5	10.7	3.1833	2.7929	-0.0017	5.9745	-0.0023	0.0322	-0.0011	0.0288
515	10.7	10.8	3.1832	2.7932	-0.0019	5.9745	0.0012	0.0311	-0.0049	0.0273
516	11	10.7	3.1829	2.7935	-0.0023	5.9741	0.0052	0.0184	-0.0085	0.0152
517	10.7	10.8	3.1822	2.7935	-0.0024	5.9733	0.0109	0.004	-0.0078	0.0071
518	10.7	10.7	3.1819	2.7937	-0.0027	5.9728	0.0166	-0.0065	-0.0083	0.0018
519	10.7	10.8	3.1817	2.7933	-0.0029	5.9722	0.0141	-0.0143	-0.0076	-0.0078
520	11.2	10.8	3.182	2.793	-0.0032	5.9718	0.0088	-0.0187	-0.0068	-0.0168
521	10.8	10.8	3.1817	2.7923	-0.0032	5.9708	0.0064	-0.0174	-0.0042	-0.0153
522	10.9	10.8	3.1813	2.7921	-0.0031	5.9702	0.0036	-0.0084	-0.0016	-0.0065
523	11	10.8	3.181	2.7921	-0.0031	5.97	0.0038	-0.002	-0.0013	0.0005
524	10.8	10.8	3.1807	2.7918	-0.0033	5.9693	0.0044	-0.0003	0.0002	0.0044
525	10.9	10.8	3.1804	2.7915	-0.0033	5.9686	0.0055	-0.0021	-0.0005	0.0029
526	11.2	10.7	3.1805	2.7912	-0.0034	5.9683	0.0069	0.0017	0.0015	0.0101
527	9.98	10.7	3.1805	2.7913	-0.0034	5.9684	0.005	0.0065	0.004	0.0155
528	10.6	10.7	3.1803	2.7913	-0.0033	5.9683	0.0006	0.0079	0.0047	0.0132
529	10.9	10.7	3.1798	2.7909	-0.0035	5.9672	-0.0024	0.0074	0.0064	0.0114
530	11.1	10.6	3.1798	2.7909	-0.0033	5.9673	-0.0073	0.0103	0.0075	0.0106
531	10.5	10.5	3.1797	2.7911	-0.003	5.9677	-0.0126	0.0128	0.0096	0.0098
532	10.5	10.5	3.1798	2.7913	-0.0029	5.9682	-0.013	0.0151	0.0108	0.0129
533	10.6	10.5	3.1798	2.7912	-0.0029	5.9681	-0.0139	0.0182	0.0078	0.0122
534	10.6	10.4	3.1801	2.7904	-0.0028	5.9677	-0.012	0.0217	0.0049	0.0147
535	10.6	10.4	3.1813	2.79	-0.0027	5.9685	-0.016	0.021	0.0043	0.0092
536	10.5	10.3	3.1823	2.7898	-0.0026	5.9695	-0.0109	0.0236	0.0053	0.018
537	10.3	10.3	3.1826	2.7896	-0.0026	5.9696	-0.0124	0.0275	0.007	0.0221
538	9.63	10.3	3.183	2.7894	-0.0024	5.97	-0.0126	0.0306	0.0069	0.0249
539	9.58	10.2	3.1834	2.7896	-0.0025	5.9705	-0.0129	0.0257	0.0051	0.0179
540	10.1	10.2	3.1834	2.79	-0.0025	5.9709	-0.0093	0.0198	0.0033	0.0138
541	10.5	10.1	3.1833	2.7901	-0.0025	5.9709	-0.005	0.0163	0.0038	0.0152
542	10.1	10.1	3.1834	2.7902	-0.0024	5.9712	-0.0013	0.0143	0.0035	0.0165
543	10.1	10.1	3.1833	2.7906	-0.0023	5.9716	-0.0028	0.0106	0.0036	0.0115
544	10	10.1	3.1829	2.7905	-0.0021	5.9713	-0.0029	0.016	0.0043	0.0175
545	10	10.1	3.1826	2.7909	-0.002	5.9715	-0.0074	0.0156	0.0046	0.0127
546	10.2	10	3.1826	2.7913	-0.0021	5.9718	-0.0061	0.02	0.0037	0.0176

547	9.88	10.1	3.1826	2.7915	-0.0021	5.972	-0.0087	0.0163	0.0054	0.0129
548	9.83	10.1	3.1822	2.7922	-0.0022	5.9722	-0.0131	0.0116	0.0067	0.0052
549	9.55	10.1	3.1823	2.7932	-0.0022	5.9733	-0.0123	0.0107	0.0084	0.0068
550	9.96	10.1	3.1828	2.7927	-0.0023	5.9732	-0.0164	0.0116	0.0084	0.0036
551	10.2	10.1	3.1831	2.7924	-0.002	5.9735	-0.0151	0.0146	0.0091	0.0086
552	10.2	10.2	3.183	2.7921	-0.0022	5.9729	-0.0115	0.0154	0.0082	0.0121
553	10.3	10.2	3.1826	2.7923	-0.0024	5.9725	-0.0165	0.0156	0.0036	0.0028
554	10.3	10.2	3.1828	2.7927	-0.0025	5.973	-0.0181	0.016	-0.0004	-0.0024
555	10.2	10.3	3.1831	2.793	-0.0023	5.9738	-0.0172	0.0117	-0.0029	-0.0084
556	10.4	10.3	3.1833	2.7928	-0.0021	5.974	-0.0218	0.0075	-0.0042	-0.0185
557	10.5	10.3	3.1835	2.7925	-0.0021	5.9739	-0.0284	0.0024	-0.0047	-0.0307
558	10.4	10.3	3.1832	2.7924	-0.0023	5.9733	-0.029	-0.0008	-0.0045	-0.0343
559	10.3	10.3	3.1828	2.7921	-0.0025	5.9725	-0.026	-0.0016	-0.0013	-0.029
560	10.5	10.4	3.1826	2.7921	-0.0026	5.9721	-0.0241	-0.0014	0.0016	-0.0239
561	10.7	10.4	3.1824	2.7918	-0.0025	5.9717	-0.0264	0.0021	0.0034	-0.0209
562	10.4	10.4	3.1826	2.7921	-0.0023	5.9723	-0.0307	0.0049	0.0066	-0.0192
563	10.5	10.5	3.1825	2.7925	-0.0021	5.9729	-0.025	0.0045	0.007	-0.0136
564	10.6	10.5	3.1824	2.7924	-0.0019	5.9729	-0.0152	0.0104	0.0074	0.0025
565	10.3	10.4	3.1821	2.7925	-0.0019	5.9727	-0.012	0.0126	0.008	0.0086
566	10.5	10.4	3.1816	2.7927	-0.0022	5.9722	-0.0073	0.0119	0.0067	0.0114
567	10.4	10.4	3.1813	2.793	-0.0022	5.972	-0.0005	0.0185	0.0051	0.0231
568	10.1	10.4	3.1816	2.7933	-0.0024	5.9725	-0.012	0.027	0.0063	0.0213
569	10.3	10.4	3.1823	2.7932	-0.0024	5.9731	-0.0201	0.0331	0.0039	0.0168
570	11	10.4	3.1822	2.7924	-0.0026	5.972	-0.0233	0.0269	0.0019	0.0056
571	10.9	10.4	3.1823	2.7917	-0.0027	5.9713	-0.0197	0.0238	-0.0022	0.002
572	10.6	10.3	3.1824	2.7914	-0.0026	5.9712	-0.0268	0.0177	-0.0047	-0.0138
573	10	10.3	3.1828	2.7911	-0.0026	5.9712	-0.0358	0.0108	-0.0045	-0.0295
574	10	10.2	3.183	2.791	-0.0024	5.9716	-0.0395	0.0044	-0.0062	-0.0413
575	10.1	10.2	3.1831	2.7907	-0.0024	5.9714	-0.0397	0.0013	-0.008	-0.0463
576	10.2	10.2	3.1832	2.7904	-0.0026	5.971	-0.0403	-0.0021	-0.0061	-0.0485
577	10.2	10.2	3.1835	2.7905	-0.0028	5.9713	-0.0398	-0.007	-0.0047	-0.0515
578	10.2	10.2	3.1836	2.7909	-0.0029	5.9715	-0.0415	-0.0029	-0.004	-0.0484
579	10.1	10.2	3.1838	2.7907	-0.003	5.9714	-0.0417	-0.0014	-0.0027	-0.0459
580	10.2	10.2	3.1841	2.7907	-0.0031	5.9717	-0.0452	-0.0023	-0.0035	-0.051
581	9.93	10.2	3.1841	2.791	-0.0031	5.972	-0.0454	0.0007	-0.0019	-0.0466
582	9.84	10.2	3.1842	2.7911	-0.0029	5.9724	-0.0498	0.0017	0.0012	-0.0468
583	9.8	10.2	3.184	2.7908	-0.0027	5.9721	-0.0503	0.0026	0.0019	-0.0458

584	10	10.1	3.184	2.7909	-0.0026	5.9722	-0.0505	0.0051	0.0015	-0.0439
585	10.5	10.2	3.1839	2.7908	-0.0027	5.972	-0.0489	-0.0018	0.0026	-0.0481
586	10.4	10.2	3.1838	2.7906	-0.0028	5.9716	-0.0383	-0.0063	0.0027	-0.0419
587	10	10.2	3.1841	2.7906	-0.0028	5.9719	-0.0298	-0.0082	0.0039	-0.034
588	10.3	10.2	3.1841	2.7909	-0.0027	5.9723	-0.0264	-0.0042	0.006	-0.0246
589	10.6	10.2	3.184	2.7912	-0.0026	5.9726	-0.0174	-0.0099	0.0077	-0.0195
590	10.2	10.2	3.1838	2.7913	-0.0027	5.9725	-0.0103	-0.0107	0.0057	-0.0154
591	10.1	10.3	3.1835	2.7911	-0.0027	5.9719	-0.0093	-0.0062	0.0059	-0.0097
592	10.1	10.3	3.1838	2.7914	-0.0027	5.9725	-0.0126	-0.0045	0.0067	-0.0103
593	9.87	10.3	3.1838	2.7911	-0.0026	5.9723	-0.0124	-0.0012	0.0073	-0.0062
594	10.8	10.3	3.184	2.7912	-0.0025	5.9727	-0.0147	0.0049	0.0084	-0.0014
595	10.5	10.3	3.1841	2.791	-0.0024	5.9727	-0.0191	0.0076	0.0116	0.0001
596	10.5	10.3	3.1844	2.791	-0.0023	5.973	-0.0205	0.0137	0.0121	0.0054
597	10.2	10.3	3.1845	2.7912	-0.0024	5.9734	-0.0186	0.0187	0.0123	0.0124
598	10.4	10.3	3.1843	2.7913	-0.0024	5.9733	-0.0199	0.0245	0.0111	0.0157
599	10.3	10.2	3.1849	2.7914	-0.0025	5.9738	-0.0263	0.0289	0.0125	0.0151
600	10.4	10.2	3.1852	2.7912	-0.0026	5.9739	-0.0235	0.0314	0.015	0.0228
601	10.5	10.3	3.1852	2.7915	-0.0025	5.9741	-0.0168	0.0275	0.0146	0.0253
602	10.3	10.3	3.1859	2.7916	-0.0022	5.9752	-0.016	0.0237	0.0187	0.0264
603	10.1	10.3	3.1861	2.7914	-0.002	5.9755	-0.0212	0.0206	0.0195	0.0189
604	9.99	10.3	3.1863	2.7914	-0.0019	5.9759	-0.0276	0.0253	0.0189	0.0166
605	10.2	10.3	3.1865	2.7916	-0.0018	5.9763	-0.0248	0.0298	0.0166	0.0216
606	10.4	10.3	3.1868	2.7916	-0.0016	5.9767	-0.0225	0.0394	0.016	0.0329
607	9.99	10.3	3.1866	2.7919	-0.0015	5.9769	-0.0225	0.038	0.0156	0.0311
608	10	10.2	3.1858	2.7919	-0.0018	5.976	-0.0186	0.0365	0.0126	0.0305
609	10.2	10.2	3.1852	2.7918	-0.002	5.9751	-0.0272	0.0316	0.01	0.0144
610	10.4	10.2	3.1852	2.7917	-0.0021	5.9748	-0.0316	0.0226	0.0051	-0.0039
611	10.6	10.1	3.1856	2.7918	-0.0022	5.9752	-0.0337	0.0233	0.0026	-0.0078
612	10.2	10.1	3.1855	2.7918	-0.0022	5.9751	-0.0391	0.0166	0.0018	-0.0206
613	10.5	10.1	3.1851	2.7914	-0.0024	5.9741	-0.0396	0.0175	0.0029	-0.0192
614	10	10.2	3.1845	2.7916	-0.0025	5.9736	-0.0425	0.0227	0.0063	-0.0135
615	10.4	10.2	3.1839	2.792	-0.0025	5.9733	-0.0476	0.021	0.0083	-0.0183
616	10.2	10.2	3.183	2.7916	-0.0028	5.9718	-0.0478	0.024	0.0084	-0.0155
617	10.1	10.2	3.1834	2.7908	-0.003	5.9712	-0.0521	0.0271	0.0022	-0.0228
618	9.54	10.2	3.1839	2.7904	-0.0031	5.9712	-0.0597	0.03	-0.0019	-0.0316
619	9.71	10.2	3.184	2.7907	-0.003	5.9716	-0.0615	0.0276	-0.0042	-0.0381
620	9.99	10.2	3.1839	2.7906	-0.0029	5.9716	-0.0529	0.0273	-0.0042	-0.0298

621	10.3	10.2	3.1844	2.7906	-0.0028	5.9722	-0.0525	0.0184	-0.0069	-0.041
622	10.1	10.2	3.1848	2.791	-0.0027	5.9731	-0.0487	0.0111	-0.0082	-0.0458
623	10.5	10.2	3.185	2.7916	-0.0025	5.9741	-0.0469	0.0077	-0.0078	-0.0471
624	10.1	10.1	3.1847	2.7917	-0.0025	5.9739	-0.0415	0.0015	-0.0065	-0.0465
625	10.1	10.1	3.1844	2.7917	-0.0027	5.9734	-0.0347	-0.0023	-0.0025	-0.0395
626	10.4	10.1	3.1845	2.7919	-0.0029	5.9735	-0.0328	-0.0038	-0.003	-0.0397
627	10.3	10.1	3.1847	2.7916	-0.003	5.9732	-0.0337	-0.0051	-0.0043	-0.0432
628	10.1	10.1	3.1845	2.7914	-0.003	5.9729	-0.0299	-0.0041	-0.0056	-0.0396
629	10.3	10.2	3.1843	2.7911	-0.0031	5.9723	-0.0237	-0.0005	-0.0074	-0.0315
630	10.5	10.2	3.1843	2.7908	-0.0031	5.972	-0.0157	0.0015	-0.007	-0.0213
631	10.4	10.1	3.1846	2.7909	-0.0032	5.9724	-0.0104	0.0038	-0.0089	-0.0155
632	9.87	10.1	3.1849	2.791	-0.0031	5.9727	-0.0105	0.0061	-0.009	-0.0134
633	9.89	10.1	3.1849	2.7907	-0.0031	5.9725	-0.0059	0.0088	-0.0063	-0.0033
634	9.55	10.1	3.185	2.7906	-0.0031	5.9725	-0.0067	0.0062	-0.0018	-0.0024
635	10	10.1	3.1851	2.7906	-0.003	5.9727	-0.0059	0.0058	-0.002	-0.0021
636	10.1	10.1	3.1853	2.7907	-0.003	5.973	-0.0068	0.0043	-0.0039	-0.0064
637	10.4	10.1	3.1852	2.79	-0.0032	5.9721	-0.0058	0.0015	-0.0046	-0.0089
638	10.1	10	3.1847	2.7904	-0.0032	5.9719	-0.0011	0.0011	-0.005	-0.005
639	10.1	10	3.1844	2.7907	-0.0031	5.9721	0.0034	0.0059	-0.0036	0.0057
640	9.52	10	3.1843	2.7907	-0.0031	5.9719	0.0067	0.009	-0.0014	0.0143
641	10.1	10	3.1845	2.7906	-0.0031	5.972	0.0082	0.0062	-0.0037	0.0108
642	10.2	10	3.1846	2.7903	-0.0031	5.9718	0.0072	0.0091	-0.007	0.0093
643	10.2	10	3.1847	2.7901	-0.0031	5.9717	0.0062	0.0088	-0.007	0.008
644	10.1	10	3.1848	2.7898	-0.0033	5.9713	0.0088	0.0047	-0.0053	0.0082
645	10.3	10	3.1846	2.7895	-0.0032	5.9709	0.0107	0.0059	-0.0018	0.0148
646	9.6	10.1	3.1845	2.7894	-0.0033	5.9706	0.0047	0.0009	0.0004	0.006
647	9.62	10	3.1846	2.789	-0.0032	5.9704	0.0062	0.0037	0.0022	0.012
648	10	10	3.1848	2.7893	-0.0034	5.9707	0.0096	0.0063	0.0009	0.0169
649	10.4	10	3.1847	2.7901	-0.0037	5.971	0.0106	0.0064	0.0004	0.0175
650	9.88	10	3.1845	2.7899	-0.0037	5.9707	0.018	0.0109	0.0015	0.0304
651	10.1	10	3.1847	2.79	-0.0039	5.9709	0.0244	0.0123	0.0012	0.038
652	10.1	9.99	3.1852	2.79	-0.0041	5.971	0.0232	0.0145	0.0018	0.0396
653	9.73	9.97	3.1854	2.7898	-0.0043	5.9709	0.0296	0.0189	0.0048	0.0533
654	10.1	9.97	3.1853	2.7897	-0.0042	5.9708	0.03	0.0149	0.007	0.0519
655	10.4	9.98	3.1854	2.7891	-0.0039	5.9705	0.0316	0.0143	0.0081	0.054
656	9.94	10	3.1856	2.789	-0.0036	5.9709	0.0357	0.0152	0.0089	0.0599
657	9.96	10.1	3.1854	2.7888	-0.0034	5.9708	0.039	0.0158	0.01	0.0648

658	9.95	10.1	3.1859	2.7892	-0.0033	5.9719	0.0373	0.0218	0.0116	0.0707
659	9.88	10.1	3.186	2.7899	-0.003	5.9729	0.0295	0.0236	0.0095	0.0626
660	9.73	10.1	3.186	2.7898	-0.0029	5.9729	0.0221	0.0254	0.0074	0.0549
661	9.76	10.1	3.1863	2.7902	-0.0027	5.9738	0.0226	0.0216	0.0063	0.0505
662	9.86	10.1	3.1866	2.7903	-0.0026	5.9743	0.0271	0.0182	0.0061	0.0513
663	10.1	10.1	3.1868	2.7902	-0.0027	5.9743	0.0262	0.018	0.0051	0.0493
664	10.5	10.1	3.1872	2.7903	-0.0028	5.9747	0.0199	0.0171	0.004	0.0411
665	10.6	10.1	3.1869	2.7901	-0.0027	5.9742	0.01	0.0214	0.0019	0.0332
666	10.6	10.2	3.1869	2.79	-0.0024	5.9745	0.0061	0.0252	0.0007	0.032
667	9.66	10.2	3.1872	2.79	-0.002	5.9752	-0.0026	0.02	-0.0017	0.0156
668	10.2	10.2	3.1878	2.7906	-0.002	5.9763	0.0026	0.0094	-0.0047	0.0072
669	10.1	10.3	3.1876	2.7905	-0.002	5.9761	0.0063	0.0017	-0.0065	0.0015
670	10.7	10.3	3.1875	2.7905	-0.0019	5.9761	0.0082	0.0041	-0.0083	0.004
671	10	10.3	3.1872	2.7906	-0.0019	5.9759	0.007	0.0038	-0.0084	0.0024
672	10	10.3	3.1871	2.7906	-0.0018	5.9759	0.0094	0.0037	-0.0074	0.0058
673	10.3	10.3	3.1869	2.7909	-0.002	5.9759	0.0134	0.0037	-0.007	0.0101
674	10.4	10.3	3.1865	2.7912	-0.0021	5.9755	0.0111	0.0103	-0.0043	0.0171
675	10.6	10.3	3.1864	2.7911	-0.0021	5.9754	0.0121	0.013	-0.001	0.0241
676	10.4	10.3	3.1866	2.7909	-0.0022	5.9753	0.0099	0.0123	-0.0033	0.0189
677	10.9	10.3	3.1865	2.791	-0.0022	5.9752	0.0105	0.0154	-0.0066	0.0193
678	10.6	10.4	3.186	2.7909	-0.0022	5.9747	0.0135	0.017	-0.0081	0.0224
679	10.2	10.4	3.1853	2.7905	-0.0023	5.9735	0.0129	0.0192	-0.0067	0.0253
680	10.3	10.3	3.1851	2.7903	-0.0022	5.9732	0.0116	0.0178	-0.0084	0.021
681	10.3	10.4	3.1852	2.7904	-0.0022	5.9733	0.0142	0.0126	-0.0079	0.0189
682	10.2	10.4	3.1848	2.7902	-0.0023	5.9727	0.0177	0.0173	-0.0069	0.028
683	10.2	10.4	3.1847	2.7902	-0.0025	5.9724	0.0181	0.0164	-0.004	0.0305
684	10.3	10.5	3.1846	2.7903	-0.0024	5.9725	0.0154	0.0154	-0.0013	0.0295
685	10.5	10.5	3.1845	2.7904	-0.0023	5.9726	0.013	0.0198	0	0.0327
686	10.3	10.5	3.1844	2.7904	-0.0023	5.9725	0.015	0.0201	0.0008	0.0358
687	10.3	10.5	3.1842	2.7905	-0.0023	5.9724	0.0166	0.0209	-0.0023	0.0352
688	10.3	10.5	3.1838	2.7903	-0.0024	5.9717	0.0142	0.0097	-0.0055	0.0185
689	10.3	10.5	3.1834	2.7903	-0.0025	5.9712	0.0123	0.0103	-0.0064	0.0161
690	10.7	10.5	3.183	2.7907	-0.0023	5.9714	0.0093	0.0111	-0.0051	0.0154
691	10.5	10.5	3.1828	2.7902	-0.002	5.971	0.0075	0.008	-0.0069	0.0086
692	10.8	10.5	3.1832	2.7905	-0.002	5.9717	0.0091	0.0072	-0.0097	0.0066
693	11.1	10.5	3.1829	2.7906	-0.0021	5.9715	0.0111	0.0077	-0.0107	0.0081
694	10.7	10.6	3.1829	2.7906	-0.0023	5.9712	0.0108	0.0078	-0.011	0.0076

695	10.7	10.6	3.1836	2.7909	-0.0024	5.9721	0.0101	0.0075	-0.0143	0.0033
696	10.8	10.6	3.1838	2.7906	-0.0026	5.9718	0.0092	0.0023	-0.0141	-0.0026
697	10.6	10.6	3.1835	2.7906	-0.0024	5.9717	0.0149	0.0029	-0.0138	0.004
698	10.4	10.6	3.1833	2.7907	-0.0024	5.9716	0.0143	-0.002	-0.0101	0.0021
699	10.6	10.6	3.1831	2.7903	-0.0026	5.9707	0.0176	0.0003	-0.0124	0.0055
700	10.4	10.6	3.1828	2.79	-0.0027	5.9701	0.0174	0.0072	-0.0139	0.0107
701	10.5	10.6	3.1829	2.79	-0.0027	5.9702	0.014	0.0049	-0.0123	0.0066
702	10.5	10.5	3.1829	2.7897	-0.0027	5.9699	0.0167	0.0065	-0.0144	0.0088
703	10.7	10.5	3.1831	2.7899	-0.0027	5.9703	0.0222	0.0082	-0.0177	0.0127
704	10.8	10.5	3.1832	2.79	-0.0027	5.9705	0.0225	0.0075	-0.0203	0.0096
705	10.5	10.5	3.183	2.7901	-0.0027	5.9704	0.0198	0.003	-0.0204	0.0024
706	10.4	10.4	3.1829	2.79	-0.0026	5.9702	0.017	-0.0079	-0.0193	-0.0102
707	10.1	10.4	3.1828	2.7897	-0.0027	5.9698	0.0188	-0.0081	-0.0144	-0.0037
708	10.4	10.4	3.1829	2.7896	-0.0027	5.9698	0.0171	-0.0109	-0.0131	-0.0068
709	10.3	10.4	3.183	2.7893	-0.0027	5.9696	0.0227	-0.0059	-0.0115	0.0053
710	10.2	10.4	3.1829	2.7895	-0.0027	5.9698	0.0214	-0.001	-0.0076	0.0128
711	10.5	10.3	3.1829	2.7899	-0.0028	5.9701	0.0214	-0.0003	-0.0089	0.0121
712	10.2	10.3	3.1829	2.79	-0.0027	5.9702	0.0269	0.0064	-0.0081	0.0252
713	10.3	10.3	3.1831	2.7897	-0.0028	5.97	0.0256	0.0089	-0.0079	0.0266
714	10.5	10.3	3.1835	2.7895	-0.0027	5.9703	0.0254	0.007	-0.0074	0.025
715	10.5	10.3	3.1833	2.7894	-0.0026	5.9701	0.0314	0.0059	-0.0069	0.0304
716	10.5	10.3	3.1832	2.7896	-0.0026	5.9703	0.0327	0.0022	-0.0063	0.0286
717	10.4	10.3	3.1831	2.7899	-0.0026	5.9704	0.0459	0.0045	-0.002	0.0484
718	9.82	10.3	3.1833	2.7902	-0.0024	5.971	0.0514	0.004	0.0025	0.058
719	9.95	10.3	3.1832	2.7902	-0.0022	5.9712	0.0578	0.0087	0.0053	0.0718
720	9.86	10.3	3.1832	2.7902	-0.0021	5.9713	0.0573	0.009	0.0094	0.0757
721	10.3	10.3	3.1835	2.7902	-0.002	5.9716	0.0579	0.0089	0.0128	0.0795
722	10.4	10.3	3.1835	2.7906	-0.002	5.9721	0.0547	0.0088	0.0166	0.0801
723	10.9	10.4	3.1839	2.7906	-0.0021	5.9724	0.0532	0.0107	0.0193	0.0831
724	10.2	10.3	3.1835	2.7904	-0.0024	5.9715	0.0516	0.0168	0.0182	0.0866
725	10.2	10.4	3.1834	2.7905	-0.0024	5.9715	0.0519	0.0237	0.0181	0.0937
726	10.3	10.4	3.1835	2.7903	-0.0023	5.9715	0.0538	0.0273	0.0165	0.0976
727	10.4	10.4	3.1833	2.7899	-0.0022	5.971	0.0573	0.0248	0.0137	0.0959
728	10.2	10.5	3.1832	2.7895	-0.0024	5.9703	0.0566	0.0256	0.0104	0.0926
729	10.3	10.5	3.1832	2.7894	-0.0023	5.9702	0.0526	0.028	0.01	0.0907
730	10.3	10.6	3.1829	2.7896	-0.0024	5.9701	0.047	0.0238	0.0069	0.0777
731	10.7	10.6	3.1829	2.7892	-0.0025	5.9696	0.04	0.0162	0.0059	0.0621

732	10.9	10.6	3.1831	2.7894	-0.0027	5.9697	0.0408	0.0175	0.0052	0.0635
733	10.2	10.6	3.1834	2.7892	-0.003	5.9695	0.0362	0.014	0.0057	0.0559
734	10.8	10.6	3.1837	2.7886	-0.0031	5.9692	0.0321	0.0112	0.0028	0.0461
735	10.9	10.6	3.1836	2.7886	-0.0031	5.9691	0.0336	0.0132	0.0023	0.049
736	10.8	10.6	3.1836	2.7886	-0.0028	5.9694	0.0361	0.0184	0.0035	0.058
737	11.1	10.7	3.1838	2.7891	-0.0027	5.9702	0.0332	0.0188	0.0036	0.0556
738	10.9	10.7	3.1835	2.7894	-0.0025	5.9703	0.0312	0.0175	0.0017	0.0504
739	10.5	10.7	3.1835	2.7896	-0.0026	5.9705	0.0228	0.0173	0.002	0.0421
740	10.4	10.7	3.1836	2.7899	-0.0024	5.971	0.0137	0.0179	0.0031	0.0346
741	10.8	10.7	3.1836	2.7899	-0.0022	5.9713	0.0132	0.0257	0.0069	0.0457
742	10.5	10.7	3.1835	2.7895	-0.002	5.971	0.0093	0.0197	0.0104	0.0395
743	10.6	10.7	3.1837	2.7893	-0.002	5.971	0.0016	0.0279	0.0132	0.0427
744	11.1	10.7	3.1838	2.789	-0.0018	5.971	-0.0004	0.0326	0.014	0.0463
745	10.7	10.7	3.1837	2.7893	-0.0018	5.9712	0.0044	0.0364	0.0138	0.0545
746	10.6	10.7	3.183	2.7891	-0.0019	5.9702	0.0161	0.0414	0.0134	0.0709
747	10.7	10.7	3.1832	2.7892	-0.0022	5.9702	0.0213	0.0399	0.0091	0.0703
748	10.6	10.7	3.183	2.7893	-0.0022	5.9701	0.0177	0.0424	0.0065	0.0666
749	10.5	10.7	3.1829	2.7893	-0.0023	5.9699	0.0114	0.0448	0.0044	0.0606
750	11	10.7	3.1831	2.7894	-0.0025	5.97	0.0077	0.0407	0.0001	0.0485
751	10.8	10.7	3.183	2.7894	-0.0024	5.97	0.0036	0.0401	-0.0029	0.0408
752	10.5	10.7	3.1829	2.7892	-0.0023	5.9698	0.0079	0.038	-0.005	0.041
753	10.8	10.7	3.1831	2.789	-0.0022	5.9699	0.0099	0.0355	-0.0039	0.0415
754	10.8	10.7	3.1833	2.7894	-0.0021	5.9706	0.0111	0.0322	-0.0035	0.0398
755	10.5	10.7	3.1837	2.7899	-0.002	5.9715	0.0123	0.0254	-0.0043	0.0333
756	11.2	10.7	3.1837	2.7898	-0.0022	5.9713	0.0121	0.0218	-0.0019	0.032
757	10.6	10.7	3.1837	2.7899	-0.0021	5.9715	0.0116	0.0186	0.0006	0.0309
758	10.4	10.7	3.1836	2.7898	-0.0021	5.9713	0.0138	0.0128	0.0033	0.03
759	10.8	10.7	3.1838	2.79	-0.0022	5.9716	0.0214	0.0115	0.007	0.04
760	10.7	10.7	3.1838	2.7898	-0.002	5.9717	0.0223	0.009	0.011	0.0423
761	10.7	10.7	3.1836	2.7895	-0.0019	5.9713	0.024	0.0162	0.0129	0.053
762	10.7	10.7	3.184	2.7895	-0.0019	5.9716	0.0268	0.028	0.0131	0.0679
763	10.6	10.7	3.1843	2.7895	-0.002	5.9718	0.0281	0.0342	0.0139	0.0762
764	10.6	10.7	3.184	2.7897	-0.0021	5.9717	0.0325	0.0383	0.013	0.0839
765	10.8	10.7	3.1836	2.7899	-0.0021	5.9714	0.0392	0.0393	0.0139	0.0924
766	10.7	10.7	3.1823	2.7895	-0.0022	5.9696	0.0393	0.0404	0.0137	0.0934
767	10.6	10.7	3.1821	2.7896	-0.0023	5.9694	0.0406	0.0411	0.0122	0.0939
768	10.7	10.7	3.182	2.7897	-0.0025	5.9692	0.0395	0.0407	0.0114	0.0915

769	11.2	10.7	3.1819	2.7896	-0.0029	5.9685	0.0356	0.0453	0.0131	0.094
770	10.6	10.7	3.1817	2.7896	-0.0032	5.9681	0.0261	0.0481	0.0158	0.09
771	10.8	10.7	3.1817	2.7897	-0.0035	5.9679	0.0165	0.0488	0.0162	0.0815
772	10.4	10.7	3.1818	2.7895	-0.0038	5.9676	0.0054	0.0447	0.0151	0.0652
773	10.5	10.8	3.1818	2.7892	-0.0038	5.9672	0.0031	0.0464	0.0131	0.0626
774	10.7	10.8	3.1813	2.7888	-0.004	5.9662	0.014	0.0439	0.011	0.0689
775	10.7	10.8	3.181	2.7884	-0.0038	5.9656	0.0164	0.0346	0.0068	0.0578
776	10.6	10.8	3.1808	2.7884	-0.0035	5.9657	0.0185	0.0311	0.0051	0.0547
777	10.6	10.8	3.1808	2.7884	-0.0032	5.966	0.0159	0.0256	0.0061	0.0476
778	11.3	10.7	3.1807	2.7881	-0.0032	5.9656	0.0068	0.0186	0.0057	0.0311
779	10.5	10.7	3.1806	2.7881	-0.003	5.9658	-0.0027	0.0118	0.0039	0.0129
780	11.2	10.7	3.1811	2.7887	-0.0028	5.967	-0.0046	0.008	0.0039	0.0073
781	11.2	10.7	3.1811	2.7886	-0.0027	5.967	-0.0092	0.0105	0.0024	0.0038
782	10.9	10.6	3.1812	2.7888	-0.0028	5.9671	-0.0072	0.0026	0.0028	-0.0018
783	11	10.6	3.1815	2.7891	-0.0028	5.9678	-0.0077	0.0002	0.0015	-0.006
784	10.6	10.6	3.1812	2.789	-0.0026	5.9676	-0.0198	0.0011	-0.0025	-0.0211
785	10.4	10.6	3.1809	2.7886	-0.0027	5.9668	-0.027	-0.0028	-0.0069	-0.0367
786	10.7	10.6	3.1811	2.7885	-0.0027	5.9669	-0.0335	-0.0021	-0.0098	-0.0454
787	10.6	10.6	3.181	2.7888	-0.0025	5.9673	-0.0258	-0.0042	-0.0067	-0.0367
788	10.3	10.6	3.1815	2.7885	-0.0026	5.9675	-0.0178	-0.0045	-0.004	-0.0264
789	10.5	10.6	3.182	2.7885	-0.0028	5.9677	-0.0107	-0.0023	-0.0017	-0.0147
790	10.3	10.5	3.1817	2.7881	-0.003	5.9668	0.0023	-0.0001	-0.0022	0
791	9.89	10.5	3.1819	2.7882	-0.003	5.9671	0.0115	0.0046	0.0011	0.0172
792	10.2	10.5	3.183	2.7877	-0.0033	5.9674	0.0144	0.0086	0.0042	0.0272
793	10.5	10.4	3.183	2.7874	-0.0035	5.9669	0.0153	0.0083	0.0071	0.0308
794	10.9	10.4	3.1825	2.7869	-0.0037	5.9658	0.0198	0.0064	0.0088	0.035
795	10.5	10.4	3.182	2.7867	-0.0038	5.965	0.0254	0.0042	0.0116	0.0412
796	10.4	10.4	3.1816	2.7866	-0.0035	5.9648	0.025	0.0079	0.012	0.0449
797	10.4	10.4	3.1818	2.7864	-0.0031	5.965	0.0162	0.0109	0.0107	0.0378
798	10.3	10.3	3.1821	2.7862	-0.0028	5.9655	0.0204	0.0087	0.0056	0.0347
799	10.2	10.3	3.1823	2.7862	-0.0026	5.9659	0.0218	0.0121	0.0021	0.0359
800	10.4	10.3	3.1824	2.786	-0.0024	5.966	0.0194	0.0071	-0.0027	0.0238
801	10.8	10.3	3.1821	2.7862	-0.0022	5.9661	0.0236	0.0043	-0.006	0.0219
802	10.3	10.4	3.1819	2.7862	-0.0023	5.9658	0.026	0.0055	-0.0065	0.0249
803	10.2	10.4	3.182	2.7867	-0.0024	5.9663	0.0272	0.0055	-0.0058	0.0269
804	10.4	10.3	3.1819	2.7875	-0.0023	5.9671	0.0308	0.0033	-0.0029	0.0311
805	10.2	10.3	3.1818	2.7879	-0.0025	5.9672	0.032	0.0044	-0.0004	0.036

806	10.3	10.3	3.1817	2.7881	-0.0027	5.9671	0.0321	0.0094	0.0009	0.0424
807	9.77	10.4	3.1815	2.7884	-0.003	5.9669	0.0301	0.009	-0.001	0.0381
808	9.77	10.4	3.1808	2.7884	-0.0034	5.9658	0.0369	0.0093	0.0019	0.0481
809	10.4	10.4	3.1808	2.7884	-0.0038	5.9654	0.0363	0.0143	0.0009	0.0516
810	10.7	10.4	3.1806	2.7879	-0.004	5.9644	0.0389	0.0153	0.0024	0.0566
811	10.4	10.5	3.1802	2.7871	-0.0041	5.9633	0.0406	0.0123	0.0073	0.0603
812	10.8	10.5	3.1801	2.7866	-0.0041	5.9626	0.0363	0.0127	0.0093	0.0583
813	10.2	10.5	3.1799	2.7859	-0.0041	5.9616	0.036	0.0145	0.0115	0.062
814	10	10.5	3.1796	2.7856	-0.0041	5.961	0.038	0.0134	0.0114	0.0628
815	10.8	10.5	3.1794	2.7854	-0.004	5.9608	0.0352	0.0144	0.0103	0.0599
816	11	10.5	3.1792	2.7855	-0.0038	5.9609	0.0277	0.015	0.0108	0.0535
817	11.1	10.5	3.1792	2.7858	-0.0037	5.9613	0.0128	0.008	0.0101	0.0309
818	10.7	10.5	3.1797	2.7857	-0.0038	5.9616	0.0139	0.0138	0.0081	0.0357
819	10.6	10.4	3.1806	2.7854	-0.0038	5.9622	0.0119	0.0199	0.0057	0.0376
820	10.9	10.4	3.1816	2.7853	-0.0037	5.9632	0.0105	0.0182	0.0014	0.0302
821	10.7	10.4	3.1829	2.7857	-0.0035	5.9651	0.008	0.0126	-0.003	0.0176
822	10.6	10.3	3.1832	2.786	-0.0033	5.9659	0.009	0.0119	-0.0077	0.0133
823	10.6	10.3	3.1825	2.7862	-0.0032	5.9655	0.0085	0.0135	-0.0106	0.0114
824	10	10.3	3.1819	2.7869	-0.0031	5.9657	0.0036	0.012	-0.0106	0.005
825	9.94	10.2	3.1816	2.7874	-0.0029	5.966	-0.0024	0.0073	-0.0128	-0.0078
826	9.75	10.2	3.1819	2.7878	-0.0029	5.9668	-0.0056	0.0035	-0.0113	-0.0134
827	9.92	10.2	3.1826	2.788	-0.0028	5.9679	-0.011	0.0017	-0.0077	-0.017
828	9.72	10.2	3.1835	2.7883	-0.0027	5.969	-0.0182	-0.0005	-0.0044	-0.023
829	9.79	10.2	3.1836	2.7886	-0.0027	5.9695	-0.0202	-0.0023	-0.0016	-0.0241
830	9.73	10.1	3.1838	2.7885	-0.0026	5.9697	-0.0189	0.001	0.002	-0.0159
831	9.57	10.1	3.1836	2.7889	-0.0027	5.9698	-0.015	0.0069	0.0051	-0.003
832	9.52	10.1	3.1838	2.7893	-0.0029	5.9703	-0.0153	0.0053	0.0078	-0.0022
833	9.87	10.1	3.1853	2.789	-0.0027	5.9717	-0.0154	0.0081	0.0078	0.0005
834	10.5	10.2	3.1864	2.7889	-0.0024	5.9729	-0.0126	0.0138	0.009	0.0101
835	10.7	10.2	3.1869	2.7888	-0.0021	5.9737	-0.0172	0.0221	0.0092	0.0141
836	10.1	10.2	3.1862	2.789	-0.0021	5.9731	-0.0242	0.0258	0.0076	0.0092
837	10.5	10.2	3.1856	2.7895	-0.0022	5.9729	-0.0259	0.0323	0.0065	0.0129
838	10.6	10.3	3.1846	2.7896	-0.0024	5.9718	-0.0281	0.036	0.0083	0.0161
839	10.5	10.3	3.1833	2.7896	-0.0023	5.9705	-0.0231	0.0334	0.0073	0.0175
840	10.4	10.3	3.1824	2.7894	-0.0025	5.9693	-0.0182	0.0292	0.0051	0.0161
841	10.8	10.4	3.1822	2.789	-0.0026	5.9686	-0.0227	0.019	0.0004	-0.0033
842	10.6	10.5	3.182	2.7887	-0.0027	5.9679	-0.0222	0.0136	-0.0004	-0.009

843	10.6	10.5	3.1817	2.7887	-0.0029	5.9675	-0.0088	0.0123	-0.0033	0.0002
844	10.8	10.5	3.1813	2.7886	-0.003	5.9669	-0.0087	0.0082	-0.0065	-0.007
845	10.2	10.5	3.1812	2.7885	-0.003	5.9667	-0.01	-0.0001	-0.0076	-0.0177
846	10	10.5	3.1814	2.788	-0.003	5.9664	-0.0138	-0.0035	-0.0072	-0.0245
847	10.5	10.5	3.1811	2.7883	-0.0028	5.9667	-0.0148	-0.0044	-0.0037	-0.0228
848	10.3	10.5	3.1808	2.7881	-0.0024	5.9665	-0.0171	-0.0068	0.0005	-0.0235
849	10.1	10.5	3.181	2.7886	-0.002	5.9676	-0.0199	-0.011	0.0036	-0.0274
850	10.7	10.5	3.1807	2.789	-0.0019	5.9679	-0.0189	-0.0111	0.0064	-0.0236
851	10.8	10.4	3.1804	2.7888	-0.0018	5.9675	-0.0185	-0.0126	0.0082	-0.0229
852	10.8	10.4	3.1802	2.7886	-0.0018	5.9671	-0.0229	-0.0087	0.0107	-0.0209
853	10.5	10.4	3.18	2.7887	-0.0019	5.9668	-0.0231	-0.0085	0.0107	-0.0209
854	10.3	10.4	3.1801	2.789	-0.0021	5.967	-0.0201	-0.005	0.0124	-0.0127
855	10.5	10.4	3.1804	2.7889	-0.0021	5.9673	-0.0153	0.0018	0.0144	0.0009
856	10.4	10.4	3.1807	2.7889	-0.0021	5.9675	-0.0114	0.0098	0.0132	0.0116
857	10.4	10.4	3.18	2.789	-0.0023	5.9667	-0.0129	0.0129	0.011	0.011
858	10.3	10.5	3.18	2.7884	-0.0022	5.9662	-0.0202	0.0181	0.0083	0.0062
859	10.3	10.5	3.18	2.7884	-0.0025	5.9659	-0.0306	0.0203	0.0064	-0.0039
860	10.1	10.5	3.1798	2.7886	-0.0027	5.9656	-0.027	0.0248	0.0034	0.0012
861	10.7	10.5	3.18	2.7882	-0.0028	5.9655	-0.0275	0.0242	0.0033	0.0001
862	10.5	10.5	3.1804	2.788	-0.003	5.9654	-0.0335	0.0177	0.0031	-0.0127
863	10.5	10.5	3.1805	2.7882	-0.0031	5.9655	-0.0406	0.0113	0.003	-0.0263
864	10.3	10.5	3.1805	2.7883	-0.0031	5.9657	-0.0419	0.0044	0.0022	-0.0353
865	10.4	10.5	3.1808	2.7884	-0.0032	5.966	-0.0417	0.0007	0.0004	-0.0407
866	10.5	10.5	3.181	2.7887	-0.0032	5.9665	-0.0403	-0.003	0.0003	-0.043
867	10.9	10.5	3.1807	2.7882	-0.0031	5.9658	-0.0398	-0.0008	0.0009	-0.0398
868	10.6	10.5	3.1808	2.7877	-0.0031	5.9654	-0.0357	0.0025	0.003	-0.0302
869	10.4	10.5	3.1808	2.7878	-0.0031	5.9655	-0.0291	0.0037	0.0024	-0.023
870	11	10.6	3.1809	2.7884	-0.0029	5.9664	-0.0185	0.0024	0.0024	-0.0137
871	10.3	10.6	3.1808	2.7885	-0.0028	5.9665	-0.0065	0.0014	0.0042	-0.0008
872	10.6	10.5	3.181	2.7882	-0.0027	5.9664	0.0046	0.0022	0.0067	0.0135
873	10.7	10.5	3.1814	2.788	-0.0027	5.9667	0.0057	0.0026	0.0089	0.0172
874	10.7	10.5	3.1815	2.7881	-0.0027	5.967	-0.0001	0.0028	0.0107	0.0134
875	10.6	10.4	3.1816	2.788	-0.0027	5.9669	-0.0039	0.0079	0.0114	0.0154
876	10.7	10.4	3.1819	2.7882	-0.0028	5.9674	-0.0064	0.0127	0.0148	0.021
877	10.6	10.3	3.1826	2.7884	-0.0028	5.9683	-0.006	0.0175	0.0153	0.0268
878	10.3	10.3	3.1827	2.7883	-0.003	5.968	-0.0037	0.0212	0.0144	0.0319
879	10.6	10.2	3.1825	2.788	-0.0032	5.9674	0.0045	0.0262	0.0144	0.0451

880	10.6	10.2	3.1826	2.788	-0.0033	5.9673	0.005	0.0326	0.0138	0.0515
881	9.63	10.2	3.1826	2.7881	-0.0035	5.9672	0.0027	0.0287	0.014	0.0454
882	9.76	10.2	3.1827	2.788	-0.0036	5.9671	-0.001	0.0301	0.0126	0.0417
883	9.94	10.2	3.1827	2.7877	-0.0037	5.9667	0.0027	0.0329	0.0112	0.0468
884	9.63	10.2	3.1829	2.7868	-0.0036	5.9661	0.0151	0.0298	0.0122	0.0571
885	9.82	10.1	3.1834	2.786	-0.0035	5.9659	0.0192	0.0213	0.015	0.0554
886	9.79	10.1	3.1837	2.7853	-0.0034	5.9657	0.0227	0.0133	0.018	0.0541
887	9.86	10.1	3.1839	2.7852	-0.0033	5.9657	0.0169	0.0131	0.017	0.047
888	9.43	10.1	3.1838	2.7852	-0.0033	5.9657	0.0164	0.0182	0.0146	0.0492
889	10.1	10	3.1838	2.7856	-0.0033	5.9661	0.0106	0.017	0.0133	0.041
890	10.5	10	3.184	2.7862	-0.003	5.9671	-0.0076	0.0136	0.0158	0.0218
891	10.3	10	3.1841	2.7869	-0.003	5.968	-0.0182	0.0193	0.0166	0.0176
892	10.3	10.1	3.1839	2.7865	-0.003	5.9674	-0.0157	0.0272	0.0183	0.0299
893	10.5	10.1	3.1838	2.7866	-0.0028	5.9676	-0.0126	0.0311	0.0176	0.036
894	10.3	10.1	3.1835	2.7869	-0.0029	5.9675	-0.0138	0.0384	0.0175	0.0421
895	10.1	10.1	3.1834	2.7871	-0.003	5.9675	-0.0154	0.0475	0.0171	0.0491
896	9.98	10.1	3.1831	2.7871	-0.0031	5.9671	-0.0144	0.0529	0.0141	0.0527
897	9.93	10.1	3.1835	2.787	-0.0031	5.9674	-0.0114	0.0528	0.0124	0.0538
898	10.2	10.1	3.1841	2.7873	-0.0032	5.9683	-0.0168	0.0566	0.0144	0.0542
899	10.3	10.1	3.1842	2.7873	-0.0033	5.9682	-0.0187	0.0548	0.017	0.0531
900	10	10.1	3.1842	2.7873	-0.0032	5.9683	-0.0153	0.0633	0.0187	0.0666
901	10.2	10.1	3.1844	2.7871	-0.0033	5.9682	-0.019	0.0665	0.0211	0.0686
902	10.1	10.1	3.1842	2.787	-0.0034	5.9678	-0.0153	0.0694	0.023	0.0771
903	9.89	10	3.184	2.7872	-0.0036	5.9676	-0.017	0.071	0.0237	0.0776
904	10.1	10	3.1835	2.7873	-0.0037	5.967	-0.0214	0.0696	0.0233	0.0716
905	9.83	10	3.1829	2.7869	-0.0038	5.966	-0.0238	0.0691	0.0215	0.0668
906	10.2	10	3.183	2.7869	-0.0038	5.966	-0.019	0.0697	0.0179	0.0686
907	9.83	10.1	3.1835	2.7866	-0.0039	5.9662	-0.0155	0.0716	0.017	0.0731
908	9.99	10	3.1838	2.7864	-0.004	5.9662	-0.0234	0.0665	0.0157	0.0588
909	10	10	3.1835	2.7859	-0.0041	5.9653	-0.0224	0.058	0.016	0.0515
910	9.9	10	3.1833	2.7855	-0.0043	5.9644	-0.0198	0.0611	0.0107	0.0519
911	9.77	10	3.1836	2.7854	-0.0044	5.9645	-0.0261	0.0636	0.0099	0.0475
912	9.84	10.1	3.1841	2.7854	-0.0044	5.9652	-0.0271	0.0564	0.0101	0.0395
913	10.2	10.1	3.1841	2.7854	-0.0043	5.9652	-0.0241	0.0511	0.0071	0.0341
914	9.8	10.1	3.1837	2.7855	-0.0041	5.9651	-0.0244	0.0538	0.007	0.0364
915	10.4	10.1	3.1834	2.7857	-0.004	5.9651	-0.0232	0.0541	0.0073	0.0381
916	10.4	10.1	3.1832	2.7856	-0.0039	5.9649	-0.0182	0.0504	0.0072	0.0394

917	9.86	10.1	3.1828	2.7855	-0.004	5.9643	-0.0185	0.0521	0.007	0.0406
918	10.3	10.1	3.1826	2.7853	-0.004	5.9639	-0.0234	0.0447	0.008	0.0292
919	10	10.1	3.1824	2.7852	-0.004	5.9636	-0.0224	0.0371	0.008	0.0227
920	10.3	10.1	3.1822	2.7852	-0.0041	5.9633	-0.0226	0.0375	0.009	0.0239
921	10.3	10.2	3.1825	2.7855	-0.0042	5.9638	-0.0206	0.0485	0.0112	0.0391
922	10.4	10.2	3.1826	2.7857	-0.0042	5.9641	-0.0183	0.0528	0.0096	0.0442
923	10.1	10.2	3.1825	2.7859	-0.0043	5.9642	-0.0134	0.0527	0.01	0.0493
924	10.1	10.2	3.1822	2.7862	-0.0042	5.9642	-0.0082	0.0525	0.0094	0.0537
925	9.59	10.2	3.1822	2.7861	-0.0044	5.9639	-0.0092	0.052	0.0091	0.0519
926	10.2	10.2	3.1825	2.786	-0.0044	5.9641	-0.0109	0.0461	0.0094	0.0446
927	9.74	10.2	3.183	2.7859	-0.0042	5.9647	-0.0032	0.045	0.009	0.0508
928	10.3	10.2	3.183	2.7857	-0.0042	5.9645	0.0048	0.0409	0.01	0.0556
929	10.4	10.2	3.1831	2.7853	-0.0041	5.9643	0.0118	0.0343	0.0081	0.0543
930	10.8	10.2	3.1835	2.7857	-0.004	5.9652	0.0128	0.0305	0.0059	0.0493
931	10.5	10.2	3.1837	2.7859	-0.004	5.9656	0.0167	0.0317	0.0054	0.0538
932	10.2	10.1	3.1836	2.7861	-0.004	5.9656	0.0141	0.0353	0.0055	0.0549
933	10.4	10.2	3.1838	2.7861	-0.0039	5.9659	0.0123	0.0357	0.0049	0.0529
934	10.1	10.2	3.1845	2.7868	-0.0039	5.9673	0.0151	0.0369	0.0052	0.0572
935	10.4	10.2	3.1847	2.7875	-0.0039	5.9682	0.0183	0.032	0.0052	0.0556
936	9.98	10.1	3.1845	2.7877	-0.0038	5.9684	0.0251	0.028	0.0044	0.0575
937	9.79	10.2	3.1839	2.7877	-0.0037	5.9679	0.0324	0.0218	0.0057	0.06
938	10.1	10.1	3.1835	2.7879	-0.0037	5.9677	0.0362	0.0167	0.006	0.059
939	10.2	10.1	3.184	2.7882	-0.0039	5.9683	0.0361	0.0122	0.004	0.0523
940	10	10	3.1842	2.7875	-0.0042	5.9675	0.034	0.0178	0.005	0.0568
941	9.81	9.97	3.1837	2.7863	-0.0044	5.9656	0.0334	0.023	0.0097	0.0661
942	10.2	9.91	3.1833	2.7856	-0.0045	5.9643	0.0303	0.0274	0.0117	0.0693
943	10.2	9.85	3.1831	2.7848	-0.0046	5.9633	0.0285	0.026	0.0121	0.0666
944	9.95	9.85	3.1828	2.7839	-0.0047	5.962	0.0284	0.0318	0.013	0.0732
945	9.68	9.84	3.1826	2.7832	-0.0044	5.9614	0.0287	0.0411	0.0099	0.0797
946	9.98	9.83	3.1825	2.7827	-0.0042	5.961	0.0238	0.046	0.0047	0.0745
947	9.83	9.85	3.1828	2.7827	-0.0042	5.9613	0.0165	0.0485	-0.0022	0.0628
948	9.9	9.83	3.1827	2.7826	-0.0041	5.9612	0.0149	0.0467	-0.0053	0.0563
949	9.24	9.84	3.1825	2.7823	-0.0039	5.9609	0.017	0.0444	-0.0093	0.0521
950	9.44	9.88	3.1826	2.7824	-0.004	5.961	0.0142	0.0377	-0.0099	0.042
951	9.12	9.92	3.182	2.7819	-0.0041	5.9598	0.005	0.0374	-0.0069	0.0355
952	9.25	9.92	3.1819	2.7815	-0.0041	5.9593	-0.004	0.0349	-0.0047	0.0262
953	10.1	9.95	3.1822	2.7817	-0.0043	5.9596	-0.0113	0.0278	-0.0042	0.0123

954	10.1	10	3.1825	2.782	-0.0042	5.9603	-0.0135	0.0301	-0.0045	0.0121
955	9.88	10.1	3.1823	2.7819	-0.0039	5.9604	-0.011	0.0302	-0.0034	0.0157
956	10.1	10.1	3.1822	2.7817	-0.0038	5.9602	-0.0079	0.0251	-0.0031	0.0141
957	9.8	10.2	3.1823	2.7823	-0.0039	5.9608	-0.0032	0.0207	-0.002	0.0155
958	10.4	10.2	3.1822	2.7826	-0.0038	5.961	0.0095	0.0209	-0.0005	0.0298
959	10.8	10.2	3.1819	2.7823	-0.0035	5.9607	0.0258	0.0152	-0.0004	0.0406
960	10.4	10.3	3.1824	2.7822	-0.0037	5.9609	0.0258	0.0112	-0.0017	0.0353
961	10.2	10.3	3.1827	2.7826	-0.0038	5.9615	0.0227	0.0072	-0.0035	0.0264
962	10.9	10.3	3.1828	2.7829	-0.0037	5.962	0.0254	0.0089	-0.003	0.0314
963	11.4	10.3	3.1829	2.7828	-0.0038	5.9619	0.034	0.011	-0.0035	0.0415
964	10.8	10.3	3.1828	2.7829	-0.0038	5.9619	0.0345	0.0078	-0.0032	0.0392
965	10.8	10.2	3.1826	2.7833	-0.0039	5.9621	0.0333	0.0035	-0.0025	0.0343
966	10.4	10.2	3.1828	2.7835	-0.0039	5.9625	0.0333	0.004	-0.0012	0.0361
967	10.4	10.2	3.1831	2.7838	-0.0039	5.9629	0.0325	0.0021	-0.0001	0.0346
968	10.3	10.2	3.183	2.784	-0.0039	5.9631	0.0315	0.0005	-0.0019	0.0301
969	10.3	10.1	3.1831	2.784	-0.004	5.9631	0.032	0	0	0.0321
970	9.79	10.1	3.1829	2.7835	-0.004	5.9625	0.0299	-0.0006	0.0015	0.0309
971	9.51	10.1	3.1826	2.7832	-0.0037	5.9621	0.0255	-0.0052	-0.0005	0.0199
972	9.57	10	3.1823	2.7829	-0.0037	5.9615	0.0283	-0.0008	-0.0007	0.0267
973	9.4	9.95	3.1822	2.7828	-0.0037	5.9613	0.0296	0.0046	-0.0008	0.0335
974	9.34	9.91	3.1825	2.7829	-0.0036	5.9618	0.0284	0.0074	-0.0036	0.0322
975	9.65	9.86	3.1827	2.7834	-0.0036	5.9625	0.0276	0.0107	-0.0053	0.033
976	10.1	9.86	3.1823	2.7837	-0.0037	5.9623	0.0328	0.0124	-0.0065	0.0387
977	9.74	9.85	3.1821	2.7844	-0.0038	5.9627	0.0429	0.0113	-0.0053	0.0489
978	9.78	9.83	3.1815	2.7849	-0.0039	5.9626	0.0532	0.0132	-0.0022	0.0642
979	9.69	9.83	3.1812	2.785	-0.0038	5.9624	0.0523	0.0166	-0.001	0.0678
980	9.55	9.89	3.1809	2.7848	-0.0038	5.9619	0.0512	0.0158	0.0012	0.0683
981	9.92	9.96	3.1812	2.7846	-0.0041	5.9617	0.0515	0.0206	0.002	0.074
982	9.92	10	3.1815	2.7844	-0.0041	5.9618	0.0559	0.0235	0.002	0.0814
983	10	10.1	3.1812	2.784	-0.0042	5.961	0.0549	0.0325	0.0022	0.0896
984	9.98	10.1	3.1811	2.7836	-0.0041	5.9606	0.0556	0.0342	0.0036	0.0934
985	10.3	10.1	3.1808	2.7832	-0.0039	5.9601	0.0631	0.0476	0.0036	0.1143
986	10.3	10.2	3.1805	2.7831	-0.0039	5.9597	0.0633	0.0602	0.0016	0.1251
987	9.88	10.2	3.1802	2.7835	-0.0039	5.9598	0.0582	0.0655	-0.0009	0.1229
988	10.4	10.2	3.1802	2.784	-0.0037	5.9605	0.0443	0.0696	-0.0024	0.1115
989	10.9	10.3	3.1804	2.7838	-0.0038	5.9604	0.0293	0.073	-0.0053	0.097
990	10.7	10.3	3.1806	2.7839	-0.004	5.9605	0.0231	0.0747	-0.0082	0.0896

991	10.8	10.3	3.1811	2.7841	-0.0042	5.961	0.0204	0.0629	-0.0096	0.0737
992	10.4	10.3	3.1811	2.7839	-0.0042	5.9608	0.0223	0.0489	-0.0102	0.061
993	10.1	10.3	3.181	2.7834	-0.0041	5.9603	0.0218	0.0405	-0.0079	0.0544
994	10.2	10.3	3.1806	2.7828	-0.0039	5.9596	0.0225	0.0296	-0.0085	0.0435
995	10.3	10.2	3.181	2.7825	-0.0035	5.96	0.0247	0.0178	-0.0096	0.0328
996	10.5	10.2	3.1815	2.7822	-0.0029	5.9608	0.0296	0.0138	-0.0061	0.0372
997	10.2	10.2	3.182	2.7824	-0.0026	5.9618	0.0346	0.0061	-0.0043	0.0364
998	10.6	10.1	3.1824	2.7829	-0.0023	5.963	0.0419	0.0028	-0.004	0.0407
999	9.9	10.1	3.1828	2.7835	-0.0023	5.964	0.0429	0.0008	-0.0018	0.0419
1000	10.1	10	3.1837	2.7835	-0.0025	5.9647	0.041	-0.0008	0.0025	0.0427
1001	10.1	10	3.1848	2.7836	-0.0028	5.9655	0.0391	-0.0018	0.0035	0.0409
1002	9.78	10	3.1854	2.7842	-0.003	5.9666	0.0318	-0.0051	0.0039	0.0306
1003	9.69	10.1	3.1854	2.7842	-0.0031	5.9664	0.0323	-0.0127	0.0047	0.0243
1004	9.83	10.1	3.1846	2.7843	-0.0034	5.9655	0.0346	-0.0104	0.0011	0.0253
1005	9.57	10.2	3.1837	2.7844	-0.0035	5.9646	0.0349	-0.0047	-0.0006	0.0296
1006	9.27	10.2	3.1833	2.7848	-0.0036	5.9645	0.0299	-0.0016	0.0013	0.0297
1007	9.41	10.2	3.1825	2.7845	-0.0038	5.9632	0.027	-0.0043	0.0027	0.0254
1008	9.85	10.2	3.1812	2.7849	-0.004	5.9621	0.0261	-0.0015	0.0004	0.025
1009	10.1	10.2	3.1809	2.7848	-0.004	5.9617	0.0229	-0.001	-0.0007	0.0212
1010	10.5	10.2	3.181	2.7847	-0.004	5.9618	0.0182	-0.0073	-0.0003	0.0106
1011	10.6	10.2	3.181	2.7845	-0.0041	5.9614	0.0203	-0.0145	-0.0043	0.0015
1012	11.1	10.3	3.1808	2.7843	-0.0041	5.9611	0.0214	-0.0096	-0.0068	0.0051
1013	11.1	10.3	3.1806	2.7846	-0.004	5.9612	0.0247	-0.0044	-0.0052	0.0151
1014	11.1	10.3	3.1804	2.7851	-0.0039	5.9617	0.025	-0.0033	-0.006	0.0158
1015	11.1	10.3	3.1801	2.7853	-0.0039	5.9615	0.0211	0.0008	-0.0093	0.0125
1016	10.2	10.4	3.1799	2.7854	-0.0039	5.9614	0.0169	0.0091	-0.012	0.014
1017	10.8	10.4	3.1796	2.7855	-0.0038	5.9613	0.0146	0.0086	-0.0124	0.0109
1018	10	10.4	3.1794	2.7853	-0.004	5.9607	0.0135	0.007	-0.0145	0.006
1019	10.3	10.4	3.1794	2.7852	-0.0042	5.9605	0.013	0.0076	-0.0157	0.0049
1020	10.3	10.4	3.1797	2.7857	-0.0041	5.9613	0.0131	0.0069	-0.0145	0.0055
1021	10.4	10.3	3.1796	2.7856	-0.0041	5.9611	0.0114	0.0002	-0.013	-0.0015
1022	9.82	10.3	3.1797	2.7853	-0.0041	5.9608	0.0037	-0.0062	-0.0109	-0.0134
1023	10.1	10.2	3.1796	2.7852	-0.0039	5.9609	-0.0061	-0.0116	-0.0089	-0.0267
1024	10	10.2	3.1795	2.7851	-0.0037	5.9609	-0.012	-0.013	-0.0087	-0.0337
1025	9.85	10.2	3.1789	2.7849	-0.0037	5.9601	-0.006	-0.0129	-0.0071	-0.026
1026	9.97	10.2	3.1782	2.7849	-0.0039	5.9592	0.0042	-0.0116	-0.006	-0.0134
1027	9.99	10.2	3.1777	2.7846	-0.004	5.9583	0.0049	-0.013	-0.0045	-0.0126

1028	10	10.2	3.1778	2.7841	-0.0041	5.9578	0.0092	-0.0065	-0.0027	-0.0001
1029	9.82	10.2	3.178	2.7837	-0.0042	5.9575	0.0091	-0.0026	-0.0015	0.005
1030	9.89	10.3	3.1784	2.7836	-0.0042	5.9578	0.009	-0.0039	-0.0011	0.004
1031	10.5	10.2	3.1781	2.7836	-0.0042	5.9575	0.0069	-0.0039	-0.0012	0.0017
1032	10.5	10.3	3.1781	2.7828	-0.0042	5.9566	0.0075	-0.0035	-0.0011	0.0029
1033	10.5	10.3	3.1783	2.7826	-0.0043	5.9566	0.0065	-0.0023	-0.0016	0.0026
1034	10.5	10.3	3.1782	2.782	-0.0043	5.9559	0.0001	-0.002	-0.0049	-0.0068
1035	10.6	10.3	3.1783	2.7815	-0.0041	5.9557	-0.0006	-0.0027	-0.0078	-0.0112
1036	10.3	10.3	3.1787	2.7811	-0.0037	5.9561	0.0007	-0.0061	-0.0103	-0.0157
1037	10.7	10.3	3.1795	2.7807	-0.0035	5.9568	0.0011	-0.0041	-0.013	-0.016
1038	10.9	10.2	3.1806	2.7806	-0.0032	5.958	0.0062	-0.005	-0.0121	-0.0109
1039	10.8	10.2	3.1817	2.7808	-0.0031	5.9594	0.0064	-0.0055	-0.0131	-0.0122
1040	9.92	10.2	3.1822	2.7812	-0.0032	5.9602	0.0098	-0.0103	-0.0145	-0.015
1041	10.4	10.2	3.1815	2.7814	-0.0034	5.9595	0.0096	-0.0111	-0.0139	-0.0154
1042	10.6	10.1	3.1811	2.7815	-0.0037	5.9589	0.0083	-0.009	-0.0143	-0.015
1043	10.3	10.1	3.1808	2.7819	-0.0038	5.9589	0.0079	-0.0104	-0.0136	-0.0161
1044	9.81	10.1	3.1803	2.7821	-0.0037	5.9587	0.009	-0.0162	-0.0117	-0.0188
1045	9.65	10.1	3.1797	2.7818	-0.0038	5.9577	0.0081	-0.021	-0.0074	-0.0204
1046	9.42	10.1	3.1791	2.7821	-0.0038	5.9574	0.0077	-0.0253	-0.002	-0.0197
1047	9.22	10	3.1786	2.7824	-0.0038	5.9572	0.0095	-0.0252	0.0013	-0.0144
1048	9.22	9.98	3.1784	2.7825	-0.0039	5.957	0.0117	-0.0222	0.002	-0.0086
1049	9.79	9.92	3.1784	2.7824	-0.0041	5.9566	0.0134	-0.0162	0.0062	0.0034
1050	9.79	9.89	3.1787	2.7825	-0.0044	5.9569	0.0135	-0.0146	0.0053	0.0042
1051	10.1	9.84	3.1788	2.7824	-0.0045	5.9567	0.0201	-0.0157	0.0016	0.0059
1052	10.1	9.79	3.1787	2.7828	-0.0046	5.9569	0.0262	-0.0158	-0.0019	0.0085
1053	10.4	9.74	3.1787	2.7828	-0.0044	5.9571	0.0298	-0.0134	-0.0034	0.013
1054	10.3	9.69	3.179	2.7825	-0.0042	5.9573	0.0313	-0.0168	-0.0067	0.0078
1055	10.2	9.66	3.1794	2.7821	-0.004	5.9574	0.0247	-0.0116	-0.0076	0.0054
1056	9.58	9.66	3.1795	2.7822	-0.0041	5.9576	0.0154	-0.0097	-0.0084	-0.0027
1057	9.92	9.65	3.1797	2.7825	-0.0039	5.9583	0.0135	-0.0083	-0.009	-0.0038
1058	9.61	9.63	3.18	2.7827	-0.0037	5.9589	0.0067	-0.0098	-0.0104	-0.0135
1059	9.44	9.6	3.1801	2.7831	-0.0035	5.9597	-0.0043	-0.0044	-0.0112	-0.0199
1060	9.41	9.57	3.1803	2.7837	-0.0033	5.9607	-0.0008	-0.0025	-0.0108	-0.0141
1061	9.65	9.55	3.1806	2.7836	-0.0031	5.961	0.0004	-0.0026	-0.0106	-0.0129
1062	9.52	9.52	3.1803	2.7833	-0.0032	5.9605	-0.0048	-0.0022	-0.009	-0.016
1063	8.81	9.49	3.1804	2.7831	-0.0032	5.9603	-0.0077	-0.0036	-0.0076	-0.019
1064	9.1	9.48	3.1807	2.7828	-0.0029	5.9606	-0.0106	-0.0014	-0.0084	-0.0204

1065	9.34	9.47	3.1809	2.7824	-0.0027	5.9607	-0.0119	0.0038	-0.0089	-0.0171
1066	9.08	9.5	3.1814	2.7827	-0.0027	5.9614	-0.0169	0.004	-0.0102	-0.0231
1067	8.82	9.48	3.1817	2.7831	-0.0024	5.9623	-0.0193	0.0025	-0.01	-0.0269
1068	9.16	9.51	3.1817	2.7832	-0.0023	5.9626	-0.0244	0.0004	-0.0069	-0.0309
1069	9.27	9.56	3.1818	2.7833	-0.0025	5.9626	-0.0238	-0.002	-0.0074	-0.0332
1070	9.72	9.63	3.1818	2.7835	-0.0027	5.9626	-0.0224	-0.0018	-0.0104	-0.0346
1071	9.58	9.7	3.1823	2.7838	-0.0026	5.9635	-0.0218	0.0014	-0.0108	-0.0313
1072	9.94	9.77	3.1829	2.7841	-0.0028	5.9642	-0.0254	0.0008	-0.0113	-0.0359
1073	9.9	9.88	3.1834	2.7841	-0.0028	5.9647	-0.0264	-0.0004	-0.0092	-0.036
1074	10	9.98	3.1831	2.7842	-0.0029	5.9644	-0.0267	-0.0006	-0.005	-0.0322
1075	10.1	10.1	3.1822	2.7846	-0.003	5.9638	-0.0305	0.0032	-0.0014	-0.0287
1076	9.68	10.2	3.1818	2.785	-0.0032	5.9636	-0.038	0.0038	0.0007	-0.0335
1077	10.1	10.3	3.1812	2.785	-0.0035	5.9627	-0.0463	0.007	0.0003	-0.039
1078	10.3	10.4	3.1806	2.7852	-0.0037	5.9621	-0.0535	0.0061	0.0016	-0.0458
1079	10.8	10.4	3.1803	2.7854	-0.0037	5.962	-0.0548	0.0062	-0.0004	-0.049
1080	10.9	10.5	3.1802	2.7852	-0.0037	5.9617	-0.0554	0.012	-0.0054	-0.0488
1081	11	10.6	3.1804	2.7849	-0.0039	5.9614	-0.0525	0.0137	-0.007	-0.0458
1082	10.9	10.6	3.1808	2.7846	-0.0039	5.9615	-0.0559	0.0112	-0.0078	-0.0524
1083	11.1	10.7	3.1812	2.7842	-0.0037	5.9617	-0.0572	-0.0013	-0.0074	-0.0658
1084	11.1	10.7	3.1812	2.7839	-0.0033	5.9617	-0.0553	-0.0045	-0.0089	-0.0688
1085	10.7	10.7	3.1808	2.7838	-0.0029	5.9617	-0.0564	-0.0139	-0.0126	-0.0828
1086	10.9	10.7	3.1803	2.7835	-0.0026	5.9613	-0.0545	-0.0203	-0.0096	-0.0843
1087	10.7	10.7	3.1796	2.784	-0.0027	5.9609	-0.0497	-0.0233	-0.0063	-0.0793
1088	10.5	10.7	3.1796	2.7845	-0.0024	5.9617	-0.0399	-0.0308	-0.0037	-0.0744
1089	11.3	10.7	3.1794	2.7848	-0.0023	5.9619	-0.028	-0.0373	0	-0.0653
1090	11.2	10.7	3.1797	2.785	-0.0026	5.9621	-0.0164	-0.0403	0.0025	-0.0542
1091	10.9	10.6	3.1802	2.785	-0.0027	5.9625	-0.013	-0.0367	0.0021	-0.0476
1092	10.7	10.6	3.1803	2.7849	-0.0028	5.9624	-0.0234	-0.0313	-0.0007	-0.0554
1093	10.4	10.5	3.1801	2.785	-0.003	5.9621	-0.0252	-0.0287	-0.0041	-0.058
1094	10.2	10.5	3.1798	2.7849	-0.0032	5.9616	-0.0285	-0.0252	-0.0031	-0.0568
1095	10.1	10.5	3.1802	2.785	-0.0033	5.962	-0.0337	-0.0222	-0.0013	-0.0573
1096	10.1	10.5	3.1805	2.7847	-0.003	5.9622	-0.0432	-0.0306	0.001	-0.0727
1097	10.5	10.4	3.1808	2.7846	-0.0028	5.9626	-0.0454	-0.0211	0.0043	-0.0622
1098	10.2	10.4	3.1811	2.7845	-0.0029	5.9627	-0.0503	-0.0109	0.007	-0.0542
1099	9.98	10.3	3.1814	2.785	-0.0028	5.9636	-0.0493	-0.0023	0.006	-0.0456
1100	9.9	10.3	3.1817	2.7851	-0.0027	5.9641	-0.0446	0.0025	0.0038	-0.0383
1101	10.3	10.2	3.1822	2.7852	-0.0026	5.9647	-0.036	0.0039	0.0004	-0.0317

1102	10.4	10.2	3.1824	2.7856	-0.0026	5.9653	-0.0309	0.0027	-0.0009	-0.0292
1103	10.4	10.2	3.1822	2.7859	-0.0025	5.9656	-0.0297	0.006	-0.0007	-0.0245
1104	10.6	10.2	3.1821	2.7854	-0.0026	5.9649	-0.0281	0.0066	0.0029	-0.0187
1105	10.3	10.1	3.1822	2.7854	-0.0027	5.9649	-0.0237	0.0114	0.0086	-0.0037
1106	10.1	10.2	3.182	2.7856	-0.0027	5.9649	-0.0177	0.0117	0.0107	0.0047
1107	10.1	10.1	3.1819	2.7855	-0.0028	5.9646	-0.0186	0.0107	0.0084	0.0006
1108	9.79	10.1	3.1817	2.7853	-0.0029	5.9641	-0.0196	0.0162	0.0078	0.0044
1109	10.1	10.1	3.181	2.785	-0.0029	5.9632	-0.0171	0.028	0.0068	0.0177
1110	10.1	10.2	3.181	2.785	-0.0029	5.9631	-0.0194	0.0295	0.0042	0.0143
1111	10.1	10.2	3.1815	2.7847	-0.0032	5.963	-0.0196	0.0279	0.0041	0.0124
1112	10.2	10.2	3.1815	2.7847	-0.0033	5.9629	-0.0178	0.0269	0.0056	0.0146
1113	9.61	10.2	3.1817	2.7848	-0.0032	5.9633	-0.0215	0.0219	0.0066	0.0069
1114	9.91	10.1	3.1816	2.7848	-0.003	5.9634	-0.0226	0.0181	0.0092	0.0047
1115	10.3	10.1	3.1818	2.7849	-0.0029	5.9638	-0.0206	0.0129	0.0147	0.007
1116	10.2	10.1	3.1818	2.7851	-0.0029	5.9641	-0.0163	0.0067	0.0148	0.0052
1117	10.3	10	3.1821	2.7855	-0.0031	5.9644	-0.0137	0.0038	0.0144	0.0045
1118	10.1	10	3.1818	2.7855	-0.0033	5.964	-0.0128	0.0065	0.0165	0.0102
1119	10.3	9.95	3.1817	2.7854	-0.0032	5.9639	-0.0136	0.0074	0.0167	0.0104
1120	10.3	9.91	3.1819	2.7856	-0.003	5.9644	-0.0157	0.0033	0.0167	0.0043
1121	10.2	9.88	3.1822	2.7855	-0.003	5.9647	-0.0188	0.0026	0.0147	-0.0015
1122	10.4	9.85	3.1823	2.7853	-0.0032	5.9644	-0.0182	0.0042	0.0141	0.0001
1123	9.47	9.85	3.1823	2.7853	-0.0034	5.9642	-0.0105	0.009	0.0136	0.0121
1124	9.8	9.84	3.1825	2.7848	-0.0035	5.9638	-0.0036	0.01	0.0136	0.02
1125	9.79	9.82	3.1827	2.7845	-0.0038	5.9634	-0.0048	0.0103	0.0141	0.0196
1126	9.38	9.8	3.1828	2.7842	-0.0039	5.9631	-0.0132	0.0144	0.0137	0.0148
1127	9.36	9.77	3.183	2.784	-0.0041	5.9629	-0.0189	0.0176	0.0119	0.0106
1128	9.1	9.77	3.1833	2.7834	-0.004	5.9626	-0.0278	0.0179	0.008	-0.002
1129	9.34	9.75	3.1835	2.7825	-0.0037	5.9624	-0.0355	0.0214	0.0043	-0.0099
1130	9.61	9.71	3.1836	2.7822	-0.0035	5.9624	-0.0396	0.0218	0.0034	-0.0144
1131	9.58	9.68	3.1837	2.7825	-0.0034	5.9627	-0.0375	0.0112	0.0018	-0.0245
1132	9.58	9.65	3.1838	2.7829	-0.0035	5.9632	-0.0308	0.0059	-0.0016	-0.0264
1133	9.72	9.66	3.1838	2.7831	-0.0034	5.9635	-0.0289	0.0018	-0.0014	-0.0285
1134	9.93	9.7	3.1838	2.7834	-0.003	5.9642	-0.0269	0.0007	0.0068	-0.0194
1135	9.91	9.73	3.1838	2.7835	-0.0031	5.9642	-0.0291	0.003	0.0133	-0.0128
1136	9.68	9.8	3.1837	2.7835	-0.0031	5.964	-0.0336	0.0091	0.0173	-0.0072
1137	10.1	9.88	3.1835	2.7838	-0.0031	5.9642	-0.0433	0.0135	0.0172	-0.0127
1138	9.98	9.96	3.1834	2.7843	-0.0032	5.9645	-0.0564	0.0192	0.0138	-0.0234

1139	9.62	10	3.1834	2.7848	-0.0033	5.9648	-0.0603	0.0271	0.0168	-0.0164
1140	9.5	10.1	3.1835	2.7848	-0.0034	5.9649	-0.0636	0.0337	0.0191	-0.0108
1141	9.92	10.1	3.1838	2.7845	-0.0033	5.965	-0.0639	0.0398	0.0168	-0.0074
1142	9.74	10.2	3.1836	2.7844	-0.0033	5.9647	-0.0653	0.0384	0.0166	-0.0103
1143	10.5	10.2	3.1837	2.7844	-0.0035	5.9646	-0.0664	0.0344	0.0155	-0.0165
1144	10.3	10.2	3.1837	2.7843	-0.0036	5.9644	-0.0676	0.0346	0.0122	-0.0208
1145	10.8	10.2	3.184	2.7849	-0.0039	5.965	-0.0671	0.0318	0.0078	-0.0275
1146	10.8	10.2	3.1836	2.7842	-0.0042	5.9636	-0.061	0.0328	0.0047	-0.0235
1147	10.6	10.2	3.1837	2.7835	-0.0045	5.9627	-0.0594	0.0255	0.0069	-0.0269
1148	10.8	10.2	3.1834	2.7828	-0.0045	5.9616	-0.0558	0.0235	0.0083	-0.0239
1149	10.2	10.2	3.1829	2.7821	-0.0045	5.9605	-0.0521	0.0214	0.0071	-0.0237
1150	10.5	10.2	3.1823	2.7822	-0.0044	5.9601	-0.047	0.0237	0.008	-0.0153
1151	10.4	10.2	3.1819	2.7822	-0.0044	5.9596	-0.0419	0.0202	0.0091	-0.0126
1152	10.2	10.2	3.1817	2.7822	-0.0045	5.9593	-0.0366	0.0163	0.0098	-0.0105
1153	10.3	10.1	3.1815	2.7821	-0.0047	5.959	-0.0325	0.0232	0.0098	0.0005
1154	9.77	10.1	3.1813	2.7814	-0.005	5.9577	-0.0356	0.0218	0.0113	-0.0025
1155	9.71	10.1	3.1811	2.7809	-0.0051	5.957	-0.0392	0.0123	0.008	-0.0188
1156	9.97	10.1	3.1814	2.7811	-0.0049	5.9576	-0.0452	0.0147	0.0073	-0.0233
1157	9.66	10.1	3.1817	2.7808	-0.0047	5.9579	-0.0522	0.0182	0.0048	-0.0292
1158	9.5	10	3.1817	2.7799	-0.0044	5.9571	-0.0526	0.0179	0.003	-0.0317
1159	9.57	9.98	3.1821	2.7801	-0.0039	5.9583	-0.0553	0.0182	0.0005	-0.0366
1160	9.83	9.94	3.1823	2.7809	-0.0037	5.9595	-0.0624	0.015	-0.001	-0.0484
1161	9.95	9.88	3.1823	2.7809	-0.0037	5.9595	-0.0648	0.0123	-0.0004	-0.0529
1162	9.73	9.86	3.1825	2.7811	-0.0038	5.9598	-0.061	0.0073	-0.0024	-0.056
1163	10.2	9.84	3.1827	2.7813	-0.0041	5.9598	-0.0578	0.0071	-0.0044	-0.0551
1164	10.2	9.83	3.1828	2.7815	-0.0044	5.9599	-0.0546	0.0086	-0.0044	-0.0504
1165	10.2	9.84	3.1826	2.7817	-0.0042	5.9601	-0.0524	0.0068	-0.0009	-0.0465
1166	10.4	9.87	3.1827	2.7823	-0.0041	5.9609	-0.0514	0.006	0.0004	-0.045
1167	9.63	9.88	3.183	2.7824	-0.0041	5.9613	-0.0486	0.0078	-0.0021	-0.0428
1168	9.75	9.88	3.1831	2.7825	-0.004	5.9616	-0.0439	0.0063	-0.0047	-0.0423
1169	9.88	9.88	3.1833	2.783	-0.0042	5.9621	-0.0362	0.0103	-0.0046	-0.0306
1170	9.22	9.84	3.1837	2.7832	-0.0042	5.9628	-0.0394	0.0106	-0.0032	-0.032
1171	9.81	9.81	3.1841	2.7834	-0.0041	5.9634	-0.0409	0.0131	0.0006	-0.0272
1172	9.77	9.8	3.184	2.7832	-0.0042	5.963	-0.0394	0.0142	0.0035	-0.0217
1173	9.59	9.78	3.1838	2.7831	-0.0042	5.9627	-0.0406	0.0111	0.0026	-0.0269
1174	10	9.75	3.1835	2.7832	-0.0043	5.9624	-0.0408	0.0145	-0.0005	-0.0268
1175	10.4	9.73	3.1836	2.7831	-0.0044	5.9623	-0.0362	0.0149	-0.0041	-0.0254

1176	9.9	9.71	3.1837	2.7832	-0.0044	5.9625	-0.0329	0.0067	-0.0061	-0.0322
1177	9.53	9.72	3.184	2.7832	-0.0043	5.9629	-0.0356	0.0017	-0.009	-0.0428
1178	9.59	9.7	3.1842	2.783	-0.0041	5.9631	-0.0284	0.0008	-0.0115	-0.0391
1179	9.05	9.69	3.1843	2.7832	-0.004	5.9635	-0.0197	-0.0037	-0.0126	-0.036
1180	9.29	9.7	3.184	2.7841	-0.0039	5.9642	-0.0113	-0.0139	-0.0094	-0.0347
1181	9.67	9.66	3.1835	2.7843	-0.0038	5.9641	-0.006	-0.0166	-0.007	-0.0296
1182	9.81	9.64	3.1837	2.7845	-0.0038	5.9644	-0.0051	-0.017	-0.0062	-0.0284
1183	9.7	9.62	3.1839	2.7841	-0.0044	5.9636	-0.0067	-0.0188	-0.0069	-0.0323
1184	9.83	9.57	3.1841	2.7836	-0.0046	5.963	-0.008	-0.0183	-0.0067	-0.0329
1185	10	9.51	3.1841	2.7829	-0.0046	5.9624	-0.0108	-0.014	-0.0024	-0.0271
1186	9.74	9.48	3.1847	2.7822	-0.0043	5.9625	-0.0152	-0.0139	-0.003	-0.0321
1187	9.54	9.46	3.1853	2.7821	-0.0041	5.9632	-0.0224	-0.0101	-0.0039	-0.0363
1188	9.67	9.43	3.1856	2.7818	-0.0041	5.9634	-0.0221	-0.0011	-0.0031	-0.0262
1189	9.37	9.45	3.1858	2.7815	-0.0043	5.963	-0.0209	0.0082	-0.0048	-0.0175
1190	9.09	9.48	3.1861	2.781	-0.0043	5.9628	-0.0092	0.0079	-0.0075	-0.0089
1191	9.41	9.48	3.1868	2.7812	-0.0044	5.9636	-0.0065	0.007	-0.0084	-0.0079
1192	9.12	9.49	3.1869	2.7815	-0.0044	5.964	-0.0044	0.0015	-0.0091	-0.0119
1193	9.12	9.47	3.1869	2.7815	-0.0042	5.9642	-0.006	-0.0013	-0.0076	-0.0149
1194	9.16	9.46	3.1865	2.7818	-0.004	5.9643	-0.0048	0.0005	-0.0078	-0.0122
1195	9.46	9.44	3.1863	2.7818	-0.0038	5.9643	-0.0056	-0.0005	-0.0085	-0.0146
1196	9.16	9.43	3.1864	2.7822	-0.0037	5.9649	-0.0047	0.003	-0.0101	-0.0117
1197	9.05	9.46	3.1864	2.7823	-0.0037	5.965	-0.0096	-0.0046	-0.0115	-0.0258
1198	9.38	9.47	3.1863	2.7824	-0.0036	5.9651	-0.0053	-0.0113	-0.0132	-0.0297
1199	9.8	9.5	3.1861	2.7826	-0.0036	5.9651	-0.0074	-0.0166	-0.0142	-0.0382
1200	9.72	9.53	3.1859	2.7831	-0.0036	5.9654	-0.0184	-0.0187	-0.0143	-0.0514
1201	9.87	9.55	3.1858	2.7835	-0.0036	5.9657	-0.0219	-0.0165	-0.0118	-0.0502
1202	9.51	9.57	3.1856	2.7832	-0.0036	5.9653	-0.0266	-0.0169	-0.0095	-0.053
1203	9.56	9.6	3.1858	2.7837	-0.0036	5.9659	-0.0268	-0.013	-0.0083	-0.0481
1204	9.59	9.63	3.186	2.7842	-0.0034	5.9668	-0.029	-0.0094	-0.0094	-0.0478
1205	9.67	9.64	3.1867	2.7839	-0.0034	5.9672	-0.0292	-0.0139	-0.0114	-0.0544
1206	9.96	9.71	3.1872	2.7838	-0.0032	5.9678	-0.0287	-0.0187	-0.0115	-0.0589
1207	9.88	9.78	3.1871	2.7837	-0.0031	5.9678	-0.0211	-0.0187	-0.0107	-0.0504
1208	9.96	9.81	3.1872	2.7835	-0.0029	5.9678	-0.0168	-0.0222	-0.0096	-0.0486
1209	9.68	9.8	3.1872	2.7835	-0.0028	5.968	-0.0198	-0.0312	-0.0073	-0.0583
1210	9.82	9.79	3.1875	2.7838	-0.0029	5.9684	-0.0138	-0.0279	-0.0032	-0.0449
1211	9.42	9.79	3.1876	2.784	-0.003	5.9686	-0.0044	-0.0203	-0.0007	-0.0254
1212	9.73	9.81	3.1873	2.784	-0.0029	5.9685	-0.0005	-0.0193	0.0023	-0.0175

1213	9.8	9.82	3.1871	2.7839	-0.0027	5.9683	0.0065	-0.0186	0.0014	-0.0107
1214	9.63	9.82	3.1868	2.7841	-0.0029	5.968	0.0133	-0.0168	-0.0019	-0.0053
1215	10.4	9.82	3.1869	2.7843	-0.0029	5.9683	0.0177	-0.0132	-0.0015	0.0029
1216	10.4	9.8	3.1867	2.7844	-0.0027	5.9684	0.0151	-0.0074	0.0032	0.0108
1217	9.99	9.81	3.1864	2.7848	-0.0026	5.9686	0.0163	0.0035	0.004	0.0238
1218	9.6	9.78	3.1854	2.7845	-0.0028	5.9671	0.0198	0.0079	0.004	0.0317
1219	9.57	9.78	3.1856	2.7844	-0.0028	5.9671	0.0197	0.0074	0.005	0.0321
1220	9.81	9.77	3.186	2.7843	-0.0031	5.9671	0.0212	0.0136	0.0016	0.0364
1221	9.87	9.75	3.1861	2.7841	-0.0034	5.9669	0.0256	0.0141	0.0005	0.0402
1222	9.68	9.74	3.1864	2.7842	-0.0035	5.9671	0.0271	0.0161	0.0006	0.0439
1223	9.73	9.74	3.1864	2.7838	-0.0034	5.9668	0.0228	0.0137	-0.0026	0.0339
1224	9.56	9.75	3.1862	2.7833	-0.0031	5.9663	0.0216	0.0199	-0.0029	0.0386
1225	9.57	9.73	3.186	2.7838	-0.0032	5.9666	0.0168	0.0179	-0.0037	0.031
1226	10.1	9.7	3.1864	2.784	-0.003	5.9674	0.0122	0.0123	-0.0026	0.0219
1227	9.48	9.68	3.1859	2.7839	-0.003	5.9668	0.0126	0.0097	-0.0033	0.019
1228	9.65	9.7	3.1852	2.7838	-0.0028	5.9663	0.0161	0.0102	-0.004	0.0223
1229	9.56	9.72	3.1847	2.7839	-0.0027	5.9658	0.0149	0.0102	-0.0038	0.0213
1230	9.15	9.72	3.1842	2.7839	-0.0028	5.9653	0.0159	0.015	-0.0036	0.0273
1231	9.58	9.7	3.1842	2.7842	-0.0028	5.9655	0.0129	0.0212	-0.0023	0.0317
1232	9.72	9.7	3.1845	2.7848	-0.0028	5.9665	0.0082	0.0205	-0.0009	0.0278
1233	9.82	9.72	3.1846	2.7849	-0.0027	5.9668	0.011	0.0192	0.0005	0.0307
1234	10	9.76	3.1849	2.7848	-0.0028	5.9669	0.0101	0.01	-0.0039	0.0162
1235	9.85	9.77	3.1853	2.7849	-0.0028	5.9674	0.0116	0.0065	-0.0034	0.0147
1236	9.58	9.75	3.1859	2.7845	-0.0027	5.9677	0.0132	0.004	-0.002	0.0153
1237	9.9	9.77	3.1857	2.7839	-0.0028	5.9668	0.0156	-0.0004	0.0025	0.0177
1238	9.96	9.78	3.1855	2.7835	-0.0027	5.9663	0.0196	-0.0041	0.0045	0.0199
1239	9.81	9.78	3.1843	2.784	-0.0026	5.9657	0.0183	-0.0102	0.005	0.0131
1240	9.57	9.82	3.1841	2.7841	-0.0026	5.9657	0.0167	-0.0136	0.002	0.0051
1241	9.63	9.86	3.1843	2.7844	-0.0024	5.9662	0.019	-0.0161	-0.0003	0.0026
1242	10.2	9.89	3.1842	2.7845	-0.0025	5.9662	0.0287	-0.0136	-0.004	0.0112
1243	10.2	9.92	3.1842	2.7844	-0.0027	5.9658	0.031	-0.0106	-0.0043	0.0161
1244	9.73	9.91	3.1843	2.7844	-0.0027	5.9659	0.0292	-0.0133	-0.0024	0.0135
1245	9.86	9.92	3.1845	2.7846	-0.0029	5.9662	0.0231	-0.0154	-0.0006	0.0071
1246	9.83	9.95	3.1846	2.7847	-0.0031	5.9662	0.0203	-0.0157	0.0013	0.006
1247	9.75	9.97	3.1842	2.7846	-0.0032	5.9656	0.0232	-0.0085	0.0011	0.0157
1248	9.64	9.98	3.1841	2.7844	-0.0031	5.9654	0.022	-0.0095	0.0025	0.015
1249	9.88	9.98	3.1847	2.784	-0.0031	5.9656	0.0192	-0.0102	0.003	0.012

1250	10.3	10	3.1845	2.7838	-0.0032	5.9651	0.0199	-0.0067	0.0028	0.016
1251	10.3	10	3.1845	2.7838	-0.0035	5.9649	0.0187	-0.0022	0.0018	0.0182
1252	10.3	10	3.1844	2.7835	-0.0037	5.9641	0.0232	0.0019	0.0003	0.0254
1253	9.99	10	3.1844	2.7831	-0.0037	5.9638	0.0258	-0.0011	-0.0006	0.024
1254	9.92	10	3.1843	2.7828	-0.0039	5.9631	0.0314	0.0033	-0.0005	0.0342
1255	10.2	10	3.184	2.7828	-0.0039	5.9628	0.0359	0.0079	0.0022	0.046
1256	10.3	10	3.1835	2.783	-0.0038	5.9626	0.045	0.0042	0.0032	0.0525
1257	10.2	10	3.1834	2.7831	-0.0037	5.9627	0.0523	0.0007	0.006	0.059
1258	9.8	10	3.1836	2.783	-0.0037	5.963	0.0523	0.0025	0.009	0.0638
1259	10.1	10	3.1834	2.7829	-0.0036	5.9627	0.0511	0.0047	0.0135	0.0694
1260	10	10	3.1827	2.7829	-0.0036	5.962	0.0485	0.0055	0.019	0.073
1261	9.85	10	3.1824	2.7828	-0.0039	5.9613	0.0507	0.0131	0.0194	0.0833
1262	10.1	10	3.1818	2.783	-0.004	5.9609	0.0431	0.0196	0.0183	0.081
1263	10.4	9.99	3.1813	2.783	-0.0039	5.9604	0.0363	0.0243	0.0203	0.0809
1264	9.72	9.97	3.181	2.7828	-0.0042	5.9596	0.0348	0.0256	0.0231	0.0835
1265	9.55	9.95	3.1811	2.7825	-0.0045	5.9591	0.0283	0.0277	0.0193	0.0752
1266	9.82	9.92	3.1811	2.7819	-0.0045	5.9586	0.026	0.027	0.0175	0.0705
1267	9.97	9.9	3.181	2.7816	-0.0045	5.9581	0.025	0.0276	0.0216	0.0741
1268	10.1	9.91	3.1811	2.7818	-0.0045	5.9584	0.0239	0.0301	0.0229	0.0769
1269	9.98	9.89	3.1812	2.7817	-0.0044	5.9585	0.0172	0.0322	0.0234	0.0728
1270	9.99	9.87	3.1811	2.7818	-0.0042	5.9587	0.0193	0.0415	0.0254	0.0861
1271	10.4	9.86	3.1814	2.7818	-0.0041	5.9591	0.0196	0.0376	0.0232	0.0804
1272	9.59	9.85	3.1817	2.7818	-0.0039	5.9596	0.0223	0.0369	0.0246	0.0837
1273	9.61	9.85	3.1816	2.7811	-0.0039	5.9588	0.0262	0.0372	0.0252	0.0886
1274	9.72	9.88	3.1819	2.7814	-0.0039	5.9593	0.0233	0.036	0.0254	0.0847
1275	9.86	9.89	3.1823	2.7819	-0.0041	5.9602	0.0189	0.0344	0.0263	0.0796
1276	9.78	9.87	3.1824	2.7823	-0.0041	5.9606	0.0177	0.0417	0.0231	0.0825
1277	9.86	9.83	3.1824	2.7822	-0.0039	5.9607	0.0224	0.045	0.026	0.0934
1278	9.77	9.8	3.1827	2.782	-0.0038	5.961	0.0151	0.0432	0.0254	0.0837
1279	9.69	9.78	3.1827	2.7817	-0.0036	5.9607	0.0042	0.0425	0.0242	0.0709
1280	9.6	9.74	3.1827	2.782	-0.0037	5.961	-0.0037	0.0403	0.0237	0.0604
1281	9.89	9.7	3.1827	2.7823	-0.0037	5.9613	-0.0119	0.035	0.023	0.046
1282	10.2	9.69	3.1826	2.7825	-0.0039	5.9613	-0.0114	0.0357	0.0203	0.0446
1283	10.4	9.69	3.1829	2.7831	-0.004	5.962	-0.0094	0.0364	0.019	0.046
1284	9.75	9.7	3.1829	2.7829	-0.0043	5.9615	-0.011	0.0372	0.0156	0.0418
1285	9.38	9.68	3.1828	2.7825	-0.0044	5.9609	-0.0075	0.0359	0.0142	0.0426
1286	9.23	9.67	3.1831	2.7822	-0.0046	5.9607	-0.0053	0.0352	0.0132	0.0431

1287	9.5	9.64	3.1833	2.7825	-0.0045	5.9613	-0.0009	0.0284	0.0146	0.0422
1288	9.51	9.6	3.1838	2.7828	-0.0046	5.962	-0.0042	0.0202	0.0127	0.0287
1289	9.37	9.6	3.1841	2.7828	-0.0045	5.9625	-0.0111	0.0121	0.0126	0.0137
1290	9.57	9.58	3.1842	2.7827	-0.0043	5.9626	-0.0247	0.0186	0.013	0.007
1291	9.35	9.58	3.1839	2.7825	-0.004	5.9624	-0.0244	0.0226	0.014	0.0122
1292	9.65	9.56	3.1838	2.7826	-0.004	5.9624	-0.0188	0.0266	0.0157	0.0235
1293	9.81	9.52	3.1839	2.7829	-0.0039	5.9629	-0.0188	0.0275	0.0139	0.0226
1294	9.55	9.5	3.1842	2.7833	-0.0039	5.9636	-0.0221	0.0229	0.0121	0.013
1295	9.59	9.51	3.1843	2.7833	-0.0039	5.9637	-0.0176	0.0188	0.0115	0.0127
1296	9.32	9.53	3.1841	2.783	-0.0038	5.9633	-0.0174	0.023	0.009	0.0146
1297	8.94	9.52	3.1842	2.7832	-0.0039	5.9635	-0.0162	0.0258	0.0043	0.0139
1298	9.76	9.5	3.1844	2.7834	-0.0039	5.9639	-0.02	0.0232	0.003	0.0061
1299	9.29	9.5	3.1841	2.7833	-0.0039	5.9635	-0.0253	0.0206	0.0032	-0.0014
1300	9.74	9.54	3.1841	2.7833	-0.0038	5.9636	-0.0193	0.015	0.0033	-0.001
1301	9.93	9.54	3.1835	2.7833	-0.0036	5.9632	-0.0181	0.0117	-0.0001	-0.0065
1302	9.62	9.54	3.183	2.7834	-0.0035	5.9629	-0.0166	0.0105	-0.0046	-0.0107
1303	9.31	9.53	3.1826	2.7834	-0.0035	5.9625	-0.0201	0.0063	-0.0074	-0.0211
1304	9.72	9.54	3.1824	2.7834	-0.0036	5.9622	-0.0211	0.0009	-0.0081	-0.0283
1305	9.58	9.52	3.1822	2.7835	-0.0037	5.9619	-0.0242	0	-0.0091	-0.0333
1306	9.24	9.5	3.1819	2.7837	-0.0038	5.9619	-0.0288	0.001	-0.0095	-0.0373
1307	9.1	9.52	3.1819	2.7835	-0.004	5.9614	-0.034	-0.0022	-0.0084	-0.0446
1308	9.46	9.5	3.1821	2.783	-0.0043	5.9608	-0.0292	-0.0023	-0.0063	-0.0378
1309	10.2	9.48	3.1824	2.783	-0.0047	5.9607	-0.023	-0.0035	-0.0049	-0.0314
1310	9.31	9.49	3.1824	2.7825	-0.0048	5.9601	-0.0202	-0.0033	-0.0033	-0.0268
1311	9.71	9.47	3.1833	2.782	-0.0048	5.9605	-0.0251	-0.0037	-0.0043	-0.0331
1312	9.59	9.45	3.1837	2.7816	-0.0049	5.9604	-0.0255	-0.0026	-0.0087	-0.0368
1313	9.76	9.47	3.1836	2.7814	-0.005	5.96	-0.0237	-0.0036	-0.0109	-0.0381
1314	9.34	9.46	3.184	2.7813	-0.0048	5.9605	-0.0248	-0.0037	-0.0099	-0.0384
1315	8.84	9.45	3.1843	2.7816	-0.0046	5.9612	-0.032	-0.0088	-0.0121	-0.0529
1316	9.26	9.44	3.1842	2.7816	-0.0048	5.961	-0.0319	-0.012	-0.015	-0.0589
1317	9.37	9.44	3.1841	2.7818	-0.0049	5.9609	-0.0301	-0.0166	-0.0119	-0.0586
1318	9.06	9.42	3.1837	2.7813	-0.0051	5.9598	-0.0301	-0.0174	-0.0067	-0.0542
1319	9.87	9.35	3.1837	2.7802	-0.0054	5.9585	-0.0269	-0.0173	-0.0013	-0.0454
1320	9.61	9.34	3.184	2.7805	-0.0054	5.9591	-0.0269	-0.0112	0.0034	-0.0347
1321	9.24	9.34	3.1839	2.7804	-0.0058	5.9585	-0.0219	-0.0013	0.006	-0.0172
1322	9.66	9.34	3.1837	2.7805	-0.006	5.9582	-0.0124	0.0022	0.0093	-0.0009
1323	9.48	9.32	3.1841	2.7802	-0.0059	5.9584	-0.0083	0.0066	0.0132	0.0115

1324	9.45	9.34	3.1843	2.7798	-0.0058	5.9583	-0.0051	0.0022	0.0147	0.0117
1325	9.08	9.39	3.1842	2.7797	-0.0055	5.9584	0.0002	0.008	0.0157	0.0239
1326	9.11	9.41	3.1841	2.7795	-0.0056	5.958	0.0044	0.0162	0.0129	0.0335
1327	9	9.42	3.1844	2.7796	-0.0055	5.9584	0.0076	0.025	0.0129	0.0455
1328	8.85	9.45	3.1848	2.7796	-0.0052	5.9592	0.0117	0.0291	0.0141	0.0549
1329	9.15	9.44	3.185	2.7799	-0.0051	5.9598	0.016	0.0258	0.0139	0.0557
1330	9.8	9.43	3.1854	2.7804	-0.0051	5.9607	0.0195	0.0228	0.0146	0.0568
1331	9.53	9.44	3.1853	2.7806	-0.0048	5.9611	0.0153	0.0249	0.0144	0.0546
1332	9.47	9.41	3.1854	2.7812	-0.0047	5.9619	0.02	0.0227	0.014	0.0567
1333	9.68	9.4	3.1857	2.7812	-0.0043	5.9626	0.0247	0.0226	0.0114	0.0587
1334	9.7	9.4	3.1856	2.7812	-0.0042	5.9626	0.0323	0.0298	0.0097	0.0718
1335	9.58	9.41	3.1858	2.7814	-0.0041	5.9631	0.035	0.024	0.0051	0.0641
1336	9.64	9.39	3.186	2.7816	-0.0042	5.9635	0.0345	0.0182	0.0032	0.0559
1337	9.7	9.41	3.1861	2.7819	-0.0041	5.964	0.0386	0.0195	0.0001	0.0582
1338	9.55	9.43	3.1866	2.7823	-0.004	5.9649	0.04	0.0258	0.0013	0.0671
1339	9.48	9.43	3.1867	2.7821	-0.0039	5.965	0.0457	0.0319	0.0013	0.0788
1340	9.47	9.41	3.1866	2.7819	-0.004	5.9645	0.0488	0.037	0.0017	0.0874
1341	9.1	9.41	3.1861	2.7817	-0.004	5.9639	0.0487	0.0368	-0.0005	0.085
1342	9.31	9.41	3.1861	2.7818	-0.0039	5.9639	0.0476	0.0321	0.0011	0.0808
1343	9.47	9.38	3.1864	2.7821	-0.0039	5.9645	0.033	0.0307	-0.0005	0.0632
1344	9.24	9.35	3.186	2.7825	-0.0039	5.9646	0.0213	0.0297	0.0018	0.0528
1345	8.68	9.34	3.1862	2.7823	-0.0038	5.9647	0.02	0.0318	0.0059	0.0577
1346	9.39	9.36	3.1862	2.7821	-0.0035	5.9648	0.0182	0.0306	0.005	0.0537
1347	9.18	9.32	3.1862	2.7823	-0.0035	5.965	0.018	0.0288	0.0059	0.0527
1348	9.16	9.32	3.1866	2.7824	-0.0034	5.9656	0.0232	0.029	0.0054	0.0575
1349	9.51	9.31	3.1866	2.7825	-0.0034	5.9657	0.0311	0.0314	0.0055	0.068
1350	9.58	9.31	3.1863	2.7826	-0.0032	5.9657	0.0359	0.0315	0.0067	0.0741
1351	9.3	9.33	3.1862	2.7828	-0.003	5.966	0.0444	0.0338	0.0092	0.0875
1352	9.18	9.34	3.1864	2.7829	-0.003	5.9663	0.0462	0.0367	0.0107	0.0937
1353	9.12	9.35	3.1865	2.783	-0.0029	5.9666	0.0427	0.0431	0.0116	0.0973
1354	9.46	9.36	3.1867	2.7828	-0.003	5.9665	0.0376	0.0428	0.0124	0.0928
1355	9.94	9.42	3.1869	2.7827	-0.003	5.9666	0.0362	0.0421	0.0109	0.0891
1356	8.97	9.46	3.1869	2.7832	-0.003	5.9671	0.0327	0.0428	0.008	0.0835
1357	9.54	9.5	3.1863	2.7833	-0.0031	5.9665	0.0314	0.0486	0.008	0.088
1358	9.28	9.57	3.1859	2.7834	-0.0032	5.9661	0.0296	0.0479	0.0047	0.0822
1359	9.44	9.62	3.1855	2.7832	-0.0033	5.9654	0.0296	0.0395	0.003	0.072
1360	9.56	9.69	3.1852	2.7833	-0.0032	5.9653	0.031	0.0373	-0.0023	0.0659

1361	9.45	9.76	3.1849	2.7831	-0.003	5.965	0.0269	0.035	-0.0032	0.0588
1362	9.6	9.83	3.1842	2.7834	-0.0029	5.9647	0.0319	0.0331	-0.0044	0.0606
1363	9.6	9.89	3.1838	2.7834	-0.003	5.9642	0.0347	0.0272	-0.0095	0.0524
1364	9.82	9.92	3.1842	2.7837	-0.003	5.9649	0.0324	0.0207	-0.0136	0.0396
1365	9.99	9.94	3.1843	2.7837	-0.003	5.965	0.035	0.0123	-0.0121	0.0352
1366	10	9.99	3.1841	2.7836	-0.0033	5.9644	0.0347	0.009	-0.0105	0.0333
1367	10.4	10	3.184	2.7833	-0.0038	5.9635	0.0321	0.008	-0.0133	0.0268
1368	10.4	10	3.1838	2.7835	-0.0044	5.9629	0.0315	0.0082	-0.0134	0.0264
1369	11	10	3.1839	2.7828	-0.0047	5.962	0.0237	-0.0013	-0.0134	0.0089
1370	10.6	10	3.1833	2.782	-0.0048	5.9605	0.021	-0.0085	-0.0157	-0.0032
1371	10.4	10.1	3.1826	2.7816	-0.005	5.9592	0.0242	-0.0025	-0.0152	0.0065
1372	10.2	10	3.1825	2.7811	-0.0052	5.9584	0.0196	-0.0023	-0.0198	-0.0025
1373	10.2	10	3.1821	2.7809	-0.0054	5.9576	0.0182	-0.0074	-0.0209	-0.0101
1374	10.2	10	3.1818	2.7806	-0.0055	5.9569	0.024	-0.0144	-0.02	-0.0104
1375	9.95	10	3.1819	2.7803	-0.0054	5.9568	0.0261	-0.0222	-0.0187	-0.0147
1376	9.89	10	3.1817	2.7798	-0.0054	5.9561	0.0268	-0.0298	-0.0178	-0.0208
1377	9.89	9.94	3.1812	2.7793	-0.0053	5.9552	0.0288	-0.031	-0.0207	-0.0229
1378	9.6	9.88	3.1811	2.7794	-0.0051	5.9554	0.033	-0.0292	-0.0202	-0.0165
1379	9.57	9.78	3.1808	2.7794	-0.0051	5.9551	0.0388	-0.0277	-0.017	-0.0059
1380	9.57	9.69	3.1812	2.7795	-0.0051	5.9556	0.0415	-0.0217	-0.0151	0.0046
1381	9.3	9.6	3.1807	2.78	-0.0051	5.9556	0.0471	-0.0188	-0.015	0.0133
1382	9.59	9.55	3.1801	2.7803	-0.005	5.9554	0.0422	-0.0179	-0.0104	0.0139
1383	9.85	9.53	3.1796	2.7802	-0.005	5.9548	0.0427	-0.0084	-0.0099	0.0244
1384	9.63	9.51	3.1794	2.7805	-0.0048	5.9551	0.0441	-0.0086	-0.0048	0.0307
1385	9.82	9.51	3.1794	2.7807	-0.0047	5.9553	0.044	-0.0072	-0.0026	0.0342
1386	9.23	9.51	3.1793	2.7803	-0.0046	5.9549	0.0458	-0.0067	-0.0008	0.0382
1387	9.16	9.49	3.1793	2.7799	-0.0047	5.9545	0.0489	-0.0052	-0.0003	0.0434
1388	9.25	9.45	3.1792	2.7796	-0.0047	5.9542	0.0478	-0.0065	0.0024	0.0437
1389	8.75	9.44	3.1792	2.7791	-0.0046	5.9537	0.0452	-0.0048	0.005	0.0454
1390	8.84	9.46	3.1793	2.779	-0.0042	5.9541	0.0445	-0.0055	0.006	0.0449
1391	9.28	9.48	3.1791	2.7793	-0.0041	5.9544	0.0421	-0.0068	0.0054	0.0407
1392	9.79	9.49	3.1805	2.7795	-0.0039	5.9561	0.0375	-0.0069	0.0042	0.0348
1393	9.75	9.48	3.1818	2.7799	-0.0041	5.9576	0.0385	-0.0097	0.0039	0.0327
1394	9.96	9.49	3.1822	2.7801	-0.0045	5.9579	0.0387	-0.0027	0.0031	0.0391
1395	9.79	9.49	3.1825	2.7803	-0.0044	5.9583	0.0352	0.0029	0.005	0.0431
1396	9.51	9.52	3.1823	2.7802	-0.0044	5.9581	0.037	0.0063	0.0071	0.0504
1397	8.93	9.54	3.1819	2.7803	-0.0044	5.9577	0.0373	0.0079	0.0104	0.0556

1398	9.4	9.57	3.1813	2.7803	-0.0045	5.9571	0.0376	0.0135	0.0127	0.0639
1399	9.85	9.61	3.1805	2.7801	-0.0046	5.9561	0.0376	0.0166	0.014	0.0682
1400	9.76	9.62	3.1796	2.7799	-0.0047	5.9548	0.0354	0.02	0.0136	0.069
1401	9.84	9.61	3.1789	2.7797	-0.0047	5.9538	0.0307	0.0224	0.0174	0.0705
1402	9.52	9.59	3.1788	2.779	-0.0047	5.9531	0.0273	0.025	0.0195	0.0717
1403	9.83	9.56	3.1789	2.7791	-0.0048	5.9532	0.027	0.0256	0.02	0.0726
1404	9.85	9.53	3.1788	2.7792	-0.0047	5.9533	0.0307	0.0267	0.0207	0.0781
1405	9.8	9.51	3.1789	2.7792	-0.0045	5.9536	0.0344	0.0263	0.0194	0.0801
1406	9.59	9.49	3.1788	2.7789	-0.0046	5.9531	0.0368	0.0278	0.0181	0.0827
1407	9.7	9.5	3.1789	2.7787	-0.0044	5.9532	0.038	0.0298	0.018	0.0858
1408	9.58	9.47	3.1791	2.7791	-0.0046	5.9536	0.037	0.0327	0.019	0.0886
1409	9.14	9.43	3.1793	2.7793	-0.0045	5.9541	0.0345	0.0285	0.0183	0.0813
1410	9.03	9.38	3.1797	2.779	-0.0045	5.9542	0.0304	0.0252	0.0206	0.0762
1411	9.29	9.34	3.1801	2.7787	-0.0044	5.9544	0.0289	0.0253	0.0236	0.0778
1412	9.19	9.31	3.1802	2.7789	-0.0039	5.9551	0.0308	0.0269	0.0253	0.083
1413	9.42	9.26	3.1804	2.7793	-0.0037	5.956	0.0257	0.0336	0.0264	0.0857
1414	9.5	9.21	3.1805	2.7801	-0.0036	5.957	0.02	0.0366	0.026	0.0825
1415	9.14	9.18	3.1808	2.7807	-0.0036	5.9579	0.0212	0.043	0.0256	0.0898
1416	8.97	9.16	3.181	2.7808	-0.0035	5.9583	0.024	0.0463	0.026	0.0963
1417	8.86	9.14	3.1809	2.781	-0.0036	5.9583	0.0242	0.0485	0.0229	0.0957
1418	9.2	9.13	3.1813	2.7814	-0.0038	5.9589	0.0206	0.049	0.0177	0.0873
1419	8.76	9.16	3.1816	2.7811	-0.0038	5.9588	0.0181	0.0591	0.0105	0.0876
1420	9.05	9.19	3.1816	2.7807	-0.0039	5.9584	0.0228	0.0568	0.005	0.0846
1421	8.98	9.22	3.1819	2.7806	-0.0038	5.9587	0.0213	0.05	0.0016	0.0729
1422	8.95	9.22	3.1819	2.7812	-0.0039	5.9592	0.0167	0.0517	-0.0036	0.0648
1423	8.82	9.24	3.1817	2.7816	-0.0039	5.9594	0.0126	0.0499	-0.0067	0.0558
1424	9.26	9.23	3.1817	2.7821	-0.0039	5.9598	0.0027	0.0378	-0.0105	0.03
1425	9.15	9.25	3.1816	2.7826	-0.0037	5.9605	-0.0023	0.0216	-0.0147	0.0046
1426	9.43	9.28	3.1813	2.7826	-0.0035	5.9603	-0.003	0.0141	-0.0153	-0.0043
1427	9.29	9.3	3.1811	2.7825	-0.0035	5.9601	-0.0102	0.0077	-0.0161	-0.0187
1428	9.7	9.32	3.1809	2.7823	-0.0035	5.9598	-0.023	0.0024	-0.0158	-0.0364
1429	9.67	9.35	3.1809	2.782	-0.0036	5.9593	-0.0325	0.0003	-0.0135	-0.0457
1430	9.9	9.35	3.1807	2.7823	-0.0036	5.9594	-0.0395	-0.0032	-0.0137	-0.0564
1431	9.13	9.37	3.1811	2.7824	-0.0038	5.9597	-0.0315	-0.0031	-0.0148	-0.0493
1432	9.79	9.39	3.1811	2.782	-0.0037	5.9594	-0.0317	0.0037	-0.0158	-0.0438
1433	9.36	9.41	3.1813	2.7821	-0.0038	5.9595	-0.0347	0.0059	-0.0141	-0.0429
1434	9.55	9.42	3.1812	2.7819	-0.0039	5.9592	-0.0396	0.0026	-0.0136	-0.0506

1435	9.42	9.44	3.1813	2.782	-0.004	5.9593	-0.0343	0.0001	-0.0109	-0.0452
1436	9.32	9.44	3.1811	2.7821	-0.0041	5.9591	-0.0246	0.0015	-0.0095	-0.0326
1437	9.49	9.44	3.1814	2.7826	-0.0043	5.9596	-0.0155	-0.0035	-0.0092	-0.0283
1438	9.39	9.42	3.1821	2.7828	-0.0045	5.9604	-0.0114	-0.0086	-0.0102	-0.0302
1439	9.08	9.4	3.1823	2.7827	-0.0045	5.9605	-0.01	-0.0148	-0.0093	-0.0341
1440	9.28	9.36	3.1824	2.7826	-0.0045	5.9604	-0.0073	-0.0224	-0.0064	-0.0361
1441	9.31	9.36	3.1824	2.7824	-0.0044	5.9604	-0.005	-0.0222	-0.0012	-0.0285
1442	9.29	9.33	3.1822	2.7828	-0.0043	5.9607	-0.0085	-0.0169	0	-0.0253
1443	9.5	9.3	3.1825	2.7823	-0.0042	5.9606	0.0053	-0.0101	-0.0008	-0.0056
1444	9.43	9.28	3.1825	2.7822	-0.0044	5.9603	0.0191	-0.004	-0.0063	0.0089
1445	9.38	9.27	3.1825	2.7817	-0.0045	5.9597	0.0209	-0.0034	-0.0141	0.0033
1446	9.43	9.26	3.1825	2.7813	-0.0045	5.9592	0.021	-0.0015	-0.0158	0.0038
1447	9.23	9.22	3.1824	2.7809	-0.0048	5.9586	0.0182	-0.0025	-0.015	0.0007
1448	9.26	9.2	3.1829	2.7807	-0.0048	5.9587	0.0129	-0.0011	-0.0143	-0.0026
1449	9.13	9.21	3.1831	2.7805	-0.0048	5.9588	0.0082	-0.0066	-0.0133	-0.0117
1450	9.18	9.22	3.1833	2.7804	-0.005	5.9587	0.0045	-0.008	-0.0124	-0.0159
1451	9.23	9.2	3.1835	2.7803	-0.0049	5.9588	-0.0038	-0.0076	-0.0133	-0.0247
1452	8.86	9.21	3.1837	2.7803	-0.005	5.959	-0.0119	-0.0097	-0.0137	-0.0353
1453	9.11	9.22	3.1835	2.7803	-0.005	5.9588	-0.0121	-0.0186	-0.013	-0.0437
1454	9.26	9.19	3.1832	2.7801	-0.0049	5.9585	-0.0066	-0.0223	-0.0134	-0.0423
1455	9.14	9.18	3.1832	2.7799	-0.0048	5.9583	-0.0094	-0.0192	-0.0098	-0.0383
1456	8.71	9.17	3.1831	2.7802	-0.0048	5.9585	-0.0136	-0.0171	-0.0016	-0.0322
1457	8.98	9.18	3.1826	2.78	-0.005	5.9576	-0.0087	-0.0203	0.0024	-0.0267
1458	9.28	9.16	3.1825	2.7805	-0.005	5.958	0.0057	-0.023	0.0038	-0.0135
1459	9.5	9.19	3.1824	2.7807	-0.0053	5.9578	0.012	-0.0166	0.0005	-0.004
1460	8.95	9.17	3.1824	2.7807	-0.0055	5.9576	0.0121	-0.0239	-0.0006	-0.0124
1461	9.53	9.16	3.1819	2.7804	-0.0056	5.9567	0.0149	-0.0272	0.0043	-0.0079
1462	9.64	9.17	3.1816	2.78	-0.0055	5.9561	0.0149	-0.0192	0.0092	0.0049
1463	8.89	9.17	3.1818	2.7797	-0.0055	5.9559	0.0162	-0.0099	0.0117	0.018
1464	9.13	9.14	3.1821	2.7794	-0.0056	5.9559	0.0252	-0.0026	0.0134	0.0361
1465	9.29	9.13	3.1819	2.7791	-0.0056	5.9553	0.0334	0.0086	0.0124	0.0544
1466	9.45	9.15	3.1817	2.7787	-0.0056	5.9548	0.0396	0.0184	0.013	0.0711
1467	8.82	9.16	3.182	2.7784	-0.0056	5.9548	0.0408	0.0246	0.0139	0.0793
1468	9.58	9.18	3.182	2.7776	-0.0054	5.9542	0.0379	0.0345	0.0113	0.0836
1469	8.86	9.17	3.1816	2.7771	-0.0052	5.9535	0.0397	0.0436	0.0053	0.0886
1470	9.07	9.19	3.1812	2.777	-0.005	5.9532	0.0411	0.0402	0.0016	0.0829
1471	9.02	9.15	3.1809	2.7764	-0.0047	5.9527	0.0382	0.0297	-0.0007	0.0672

1472	9.17	9.1	3.1813	2.7762	-0.0046	5.9528	0.0413	0.02	0.0025	0.0637
1473	8.64	9.07	3.1819	2.7771	-0.0043	5.9547	0.0334	0.0212	0.004	0.0585
1474	9.04	9.05	3.1821	2.7784	-0.004	5.9564	0.0265	0.0236	0.0028	0.0529
1475	8.93	9.02	3.1822	2.7789	-0.0039	5.9572	0.0231	0.0309	-0.0002	0.0538
1476	9.23	8.99	3.1827	2.779	-0.0038	5.9579	0.019	0.039	0.0004	0.0584
1477	9.58	9.02	3.1835	2.7791	-0.0038	5.9588	0.0122	0.0416	0.0007	0.0545
1478	9.39	9.01	3.1844	2.7794	-0.0038	5.96	0.0047	0.0428	0.0006	0.048
1479	9.34	9.04	3.1847	2.7797	-0.0037	5.9607	-0.0007	0.0415	0.0009	0.0417
1480	8.81	9.06	3.1843	2.7798	-0.0036	5.9605	-0.0059	0.0354	0.0011	0.0306
1481	8.73	9.11	3.1839	2.7796	-0.0035	5.96	-0.0145	0.0353	0.0005	0.0213
1482	8.23	9.14	3.1836	2.7797	-0.0036	5.9597	-0.0136	0.0364	-0.0026	0.0203
1483	8.68	9.17	3.1836	2.7799	-0.0036	5.9599	-0.0158	0.0311	-0.0014	0.0139
1484	8.73	9.2	3.1828	2.7805	-0.0037	5.9596	-0.0167	0.0284	-0.0022	0.0095
1485	9.05	9.26	3.1818	2.7805	-0.0038	5.9586	-0.011	0.028	-0.0033	0.0137
1486	9.31	9.28	3.1808	2.7806	-0.0037	5.9578	-0.0048	0.0221	-0.0062	0.0111
1487	9.45	9.27	3.1804	2.7808	-0.0036	5.9576	0.002	0.0185	-0.0065	0.014
1488	9.31	9.27	3.1802	2.7811	-0.0038	5.9576	0.0078	0.0175	-0.009	0.0162
1489	9.51	9.28	3.18	2.7814	-0.004	5.9573	0.0199	0.0176	-0.0107	0.0268
1490	9.97	9.3	3.1798	2.7812	-0.0041	5.9569	0.0264	0.015	-0.0114	0.03
1491	9.73	9.35	3.18	2.781	-0.0041	5.9569	0.0335	0.0128	-0.0087	0.0375
1492	9.18	9.44	3.18	2.7805	-0.0038	5.9566	0.037	0.0099	-0.0072	0.0397
1493	9.63	9.49	3.1799	2.7803	-0.0035	5.9567	0.0377	0.0128	-0.0061	0.0443
1494	10.1	9.52	3.1801	2.7805	-0.0031	5.9575	0.0408	0.0073	-0.0051	0.0431
1495	9.71	9.54	3.1804	2.7804	-0.0028	5.958	0.041	0.0075	-0.0058	0.0426
1496	9.31	9.56	3.1805	2.7804	-0.0029	5.958	0.043	0.0047	-0.006	0.0417
1497	9.42	9.57	3.1806	2.7804	-0.003	5.958	0.0414	0.0007	-0.0056	0.0365
1498	9.47	9.6	3.1805	2.7809	-0.0031	5.9582	0.0428	-0.0044	-0.0067	0.0317
1499	9.28	9.63	3.1801	2.7809	-0.0033	5.9577	0.0424	-0.0062	-0.0064	0.0298
1500	9.6	9.62	3.18	2.7807	-0.0034	5.9573	0.0448	-0.0099	-0.0088	0.0262
1501	9.9	9.63	3.1801	2.7806	-0.0033	5.9574	0.0482	-0.0142	-0.0075	0.0265
1502	9.59	9.66	3.18	2.7809	-0.0034	5.9575	0.0448	-0.0179	-0.0076	0.0193
1503	9.4	9.66	3.1796	2.7813	-0.0034	5.9574	0.0459	-0.017	-0.01	0.0189
1504	9.49	9.64	3.1797	2.7811	-0.0037	5.9571	0.041	-0.0165	-0.0123	0.0123
1505	9.58	9.65	3.1803	2.7809	-0.0043	5.9568	0.0407	-0.0153	-0.0125	0.0129
1506	9.73	9.68	3.1797	2.7809	-0.0048	5.9558	0.043	-0.0156	-0.0121	0.0153
1507	9.9	9.72	3.1784	2.781	-0.0048	5.9545	0.042	-0.016	-0.013	0.0131
1508	10.1	9.75	3.1779	2.7807	-0.0046	5.954	0.0369	-0.0208	-0.016	0.0002

1509	9.79	9.79	3.1781	2.7817	-0.0044	5.9553	0.0352	-0.0155	-0.0164	0.0033
1510	9.78	9.83	3.1782	2.7817	-0.0049	5.955	0.0371	-0.0128	-0.0201	0.0041
1511	9.8	9.85	3.1786	2.7806	-0.0053	5.9539	0.0375	-0.0126	-0.0215	0.0035
1512	9.63	9.87	3.1786	2.7798	-0.0051	5.9533	0.0343	-0.0145	-0.0199	-0.0001
1513	9.72	9.88	3.1779	2.7795	-0.005	5.9524	0.0371	-0.0152	-0.0194	0.0025
1514	9.84	9.89	3.1772	2.7792	-0.0048	5.9515	0.0389	-0.0191	-0.0164	0.0034
1515	9.92	9.88	3.1769	2.7789	-0.0049	5.9508	0.0347	-0.0226	-0.0114	0.0006
1516	10.1	9.85	3.1769	2.7783	-0.0049	5.9503	0.0327	-0.0218	-0.0098	0.001
1517	10.1	9.8	3.1771	2.7775	-0.0047	5.9499	0.0365	-0.0218	-0.0083	0.0065
1518	10.1	9.76	3.1773	2.777	-0.0043	5.95	0.0385	-0.0233	-0.0057	0.0095
1519	10.4	9.71	3.1775	2.7771	-0.004	5.9506	0.0402	-0.0252	-0.0032	0.0118
1520	10.2	9.65	3.1778	2.7778	-0.0038	5.9517	0.036	-0.02	-0.0006	0.0154
1521	9.98	9.59	3.1778	2.7786	-0.0041	5.9524	0.036	-0.0117	0.0011	0.0254
1522	9.54	9.55	3.1786	2.7791	-0.0043	5.9534	0.0351	-0.0157	0.0007	0.02
1523	9.77	9.53	3.179	2.7793	-0.0042	5.9541	0.0354	-0.0143	-0.003	0.0181
1524	9.36	9.48	3.1793	2.779	-0.0039	5.9544	0.0261	-0.0029	-0.006	0.0172
1525	9.04	9.43	3.1797	2.7787	-0.0038	5.9546	0.0079	0.0059	-0.0051	0.0087
1526	9.03	9.38	3.18	2.7784	-0.0036	5.9549	-0.0048	-0.0019	-0.0036	-0.0103
1527	9.21	9.32	3.1806	2.7782	-0.0036	5.9553	-0.011	-0.002	-0.0015	-0.0145
1528	8.87	9.24	3.181	2.7782	-0.0036	5.9556	-0.0103	-0.0045	0.0006	-0.0142
1529	8.7	9.15	3.1815	2.7785	-0.0037	5.9563	-0.0085	-0.0002	0.0021	-0.0065
1530	8.65	9.09	3.1822	2.7788	-0.0036	5.9573	-0.0042	0.0088	0.0031	0.0076
1531	8.93	9.06	3.1825	2.7787	-0.0035	5.9577	-0.0045	0.0099	0.0007	0.0061
1532	9.19	9.06	3.1827	2.7789	-0.0036	5.958	-0.0084	0.0036	-0.0015	-0.0063
1533	9.06	9.07	3.183	2.7792	-0.0036	5.9586	-0.0117	-0.0008	-0.0021	-0.0145
1534	8.89	9.09	3.1823	2.7791	-0.0036	5.9579	-0.0125	-0.002	-0.0015	-0.016
1535	9.14	9.12	3.1817	2.7798	-0.0034	5.9582	-0.0109	0.003	-0.0037	-0.0116
1536	9.05	9.14	3.1809	2.7803	-0.0035	5.9577	-0.01	0.0005	-0.0068	-0.0164
1537	8.6	9.15	3.1806	2.7808	-0.0034	5.958	-0.0091	-0.0005	-0.009	-0.0186
1538	8.68	9.13	3.1801	2.781	-0.0034	5.9577	-0.008	-0.0034	-0.0109	-0.0223
1539	9.09	9.14	3.1797	2.7812	-0.0034	5.9575	-0.0044	-0.0034	-0.0101	-0.0179
1540	9.33	9.17	3.179	2.7813	-0.0036	5.9567	-0.0015	-0.0033	-0.008	-0.0128
1541	9.61	9.2	3.1787	2.7814	-0.0037	5.9564	-0.0058	-0.0051	-0.005	-0.0158
1542	9.91	9.21	3.1785	2.7815	-0.0037	5.9562	0.0011	-0.0089	-0.0039	-0.0117
1543	9.78	9.24	3.1784	2.7816	-0.0037	5.9563	0.0039	-0.0146	0.0001	-0.0107
1544	9.54	9.26	3.1784	2.7814	-0.0038	5.956	0.0051	-0.0142	0.0055	-0.0037
1545	9.48	9.27	3.1782	2.7812	-0.0039	5.9555	0.0121	-0.009	0.0099	0.013

1546	9.37	9.29	3.1783	2.7812	-0.004	5.9556	0.0194	-0.0057	0.0118	0.0255
1547	8.54	9.33	3.1782	2.7814	-0.0041	5.9555	0.0234	-0.0016	0.0115	0.0334
1548	8.75	9.37	3.1786	2.7813	-0.0042	5.9558	0.0255	0.0011	0.011	0.0376
1549	9.24	9.38	3.1786	2.7815	-0.0039	5.9562	0.0233	0.0074	0.0085	0.0392
1550	9.59	9.39	3.1784	2.7818	-0.0042	5.956	0.0209	0.0092	0.0044	0.0345
1551	9.32	9.36	3.179	2.7821	-0.0042	5.9569	0.0218	0.0028	0.0025	0.0271
1552	9.63	9.32	3.1791	2.782	-0.004	5.9571	0.0227	-0.0004	0.0018	0.0241
1553	9.32	9.28	3.1794	2.7819	-0.0038	5.9575	0.02	0.003	-0.0009	0.0222
1554	9.37	9.26	3.1792	2.7817	-0.0037	5.9572	0.0175	0.006	-0.0025	0.021
1555	9.28	9.24	3.1789	2.7815	-0.0036	5.9568	0.0185	0.0041	-0.0053	0.0173
1556	9.46	9.25	3.1789	2.7818	-0.0035	5.9572	0.0245	0.0007	-0.0111	0.0141
1557	9.43	9.28	3.1789	2.7821	-0.0034	5.9576	0.0191	-0.0013	-0.0141	0.0037
1558	9.26	9.3	3.179	2.7821	-0.0034	5.9576	0.0048	-0.0012	-0.0139	-0.0103
1559	9.47	9.3	3.1787	2.782	-0.0033	5.9574	-0.0034	-0.0025	-0.0109	-0.0167
1560	9.07	9.28	3.1786	2.782	-0.0034	5.9572	-0.0029	0.009	-0.0076	-0.0015
1561	9.14	9.29	3.1784	2.7818	-0.0036	5.9567	-0.006	0.0113	-0.0116	-0.0063
1562	9	9.29	3.1779	2.7815	-0.0036	5.9559	-0.0039	0.0009	-0.0142	-0.0172
1563	9.17	9.33	3.1779	2.7816	-0.0039	5.9556	-0.0035	-0.0097	-0.012	-0.0252
1564	9.23	9.36	3.1786	2.7817	-0.0044	5.9559	-0.0126	-0.0136	-0.0119	-0.038
1565	9.39	9.4	3.1786	2.7812	-0.0046	5.9552	-0.0179	-0.0168	-0.0087	-0.0434
1566	9.13	9.4	3.178	2.7809	-0.0048	5.9542	-0.0177	-0.0195	-0.0063	-0.0435
1567	9.24	9.39	3.1781	2.7808	-0.005	5.9538	-0.021	-0.0236	-0.004	-0.0486
1568	9.27	9.42	3.178	2.7801	-0.0051	5.953	-0.0218	-0.0326	-0.0002	-0.0546
1569	9.23	9.43	3.178	2.7791	-0.0051	5.952	-0.0169	-0.0383	0.0037	-0.0515
1570	9.39	9.44	3.1776	2.7781	-0.0051	5.9506	-0.0184	-0.033	0.0071	-0.0442
1571	9.75	9.45	3.1774	2.778	-0.0048	5.9507	-0.0167	-0.0219	0.0074	-0.0312
1572	10.1	9.44	3.1777	2.7776	-0.0043	5.951	-0.0173	-0.0086	0.0029	-0.023
1573	9.87	9.43	3.1792	2.7774	-0.0037	5.9529	-0.0104	-0.004	0	-0.0145
1574	9.93	9.41	3.1813	2.7778	-0.0035	5.9556	-0.0077	-0.0031	0.0012	-0.0096
1575	9.55	9.39	3.1827	2.7791	-0.0035	5.9583	-0.004	-0.0032	0.0026	-0.0046
1576	9.3	9.38	3.1838	2.7792	-0.0036	5.9594	-0.0011	-0.0028	0.003	-0.0009
1577	9.77	9.39	3.1846	2.7795	-0.0038	5.9602	0.0001	-0.0092	0.005	-0.0041
1578	9.63	9.38	3.1852	2.7794	-0.004	5.9606	0.0027	-0.0179	0.0061	-0.0091
1579	9.36	9.37	3.1851	2.7789	-0.004	5.9599	0.0067	-0.0152	0.0045	-0.004
1580	9.18	9.36	3.1848	2.7788	-0.0037	5.9599	0.0084	-0.011	0.003	0.0004
1581	8.86	9.31	3.1847	2.7793	-0.0034	5.9606	0.0127	-0.0085	0.0007	0.0049
1582	8.96	9.27	3.1848	2.7798	-0.0034	5.9612	0.0106	-0.0096	-0.0004	0.0006

1583	8.96	9.24	3.1849	2.7801	-0.0035	5.9615	0.0153	-0.009	-0.0009	0.0055
1584	8.9	9.21	3.1839	2.7802	-0.0033	5.9608	0.0209	-0.0059	-0.0024	0.0126
1585	9.04	9.22	3.1828	2.7805	-0.0031	5.9602	0.0158	-0.0079	0.0003	0.0081
1586	9.33	9.22	3.1817	2.7807	-0.0028	5.9596	0.0049	-0.004	0.0035	0.0043
1587	9.17	9.2	3.1812	2.7811	-0.0025	5.9598	-0.0112	-0.0041	0.0036	-0.0117
1588	9.05	9.19	3.1807	2.7815	-0.0028	5.9594	-0.0157	0.0021	0.004	-0.0097
1589	9.08	9.21	3.1801	2.7817	-0.0032	5.9586	-0.0202	0.0047	0.0047	-0.0109
1590	8.92	9.25	3.1804	2.7817	-0.0036	5.9585	-0.0221	0.0079	0.0061	-0.0081
1591	9.25	9.3	3.1799	2.7819	-0.0037	5.9581	-0.0271	0.0112	0.0045	-0.0114
1592	9.34	9.37	3.1796	2.782	-0.0038	5.9577	-0.0285	0.0141	0.0032	-0.0111
1593	9.38	9.43	3.1794	2.7817	-0.004	5.9571	-0.027	0.0182	0.0021	-0.0066
1594	9.65	9.48	3.1789	2.7814	-0.0041	5.9562	-0.027	0.0209	0.002	-0.0041
1595	9.4	9.51	3.1784	2.781	-0.004	5.9554	-0.022	0.0295	-0.0001	0.0074
1596	9.31	9.54	3.1782	2.7806	-0.004	5.9547	-0.0219	0.0303	0.0011	0.0095
1597	9.5	9.58	3.178	2.7803	-0.0041	5.9542	-0.0187	0.0337	0.0018	0.0168
1598	9.64	9.64	3.1781	2.7802	-0.004	5.9543	-0.0152	0.0353	0.0032	0.0233
1599	10.1	9.7	3.178	2.78	-0.0038	5.9543	-0.0103	0.0318	0.0021	0.0236
1600	9.8	9.75	3.1778	2.7804	-0.0036	5.9546	-0.0128	0.0297	0.0053	0.0222
1601	10.3	9.78	3.1778	2.7807	-0.0035	5.955	-0.0176	0.0307	0.0021	0.0151
1602	10.1	9.81	3.178	2.7806	-0.0033	5.9553	-0.0129	0.0361	0.0007	0.0239
1603	9.72	9.83	3.1778	2.7807	-0.0032	5.9553	-0.0155	0.0344	0.003	0.0218
1604	9.74	9.81	3.1779	2.7807	-0.0032	5.9554	-0.0159	0.0322	0.0066	0.0228
1605	9.82	9.82	3.1778	2.7808	-0.0032	5.9554	-0.0153	0.0312	0.0083	0.0242
1606	9.99	9.84	3.1778	2.781	-0.0034	5.9554	-0.0162	0.0298	0.009	0.0226
1607	10.3	9.86	3.1779	2.7811	-0.0034	5.9556	-0.0133	0.0338	0.0109	0.0314
1608	10.1	9.86	3.1783	2.781	-0.0035	5.9557	-0.014	0.0419	0.0091	0.0371
1609	9.83	9.86	3.1784	2.7808	-0.0036	5.9555	-0.0112	0.0366	0.0079	0.0333
1610	9.94	9.86	3.1788	2.7805	-0.0038	5.9556	-0.0096	0.0329	0.0067	0.03
1611	9.84	9.81	3.179	2.7805	-0.0039	5.9557	-0.0088	0.0326	0.0064	0.0301
1612	9.71	9.75	3.1789	2.7808	-0.0039	5.9558	-0.0105	0.0322	0.0053	0.027
1613	9.35	9.71	3.1791	2.7809	-0.0038	5.9562	-0.0177	0.0248	0.0053	0.0125
1614	9.53	9.7	3.1789	2.7809	-0.004	5.9559	-0.0191	0.0234	0.0033	0.0076
1615	9.71	9.7	3.1786	2.7808	-0.0043	5.9552	-0.0129	0.0251	-0.0002	0.012
1616	9.88	9.68	3.179	2.7807	-0.0045	5.9552	-0.0104	0.0186	-0.0006	0.0076
1617	9.65	9.66	3.1793	2.7808	-0.0047	5.9554	-0.0139	0.0132	-0.003	-0.0036
1618	10	9.65	3.179	2.7809	-0.0047	5.9552	-0.0137	0.0125	-0.0049	-0.0061
1619	9.88	9.62	3.1793	2.7804	-0.0047	5.955	-0.016	0.0076	-0.0027	-0.011

1620	9.29	9.61	3.1794	2.78	-0.0046	5.9548	-0.0151	-0.0002	-0.0016	-0.0169
1621	8.9	9.58	3.1795	2.7795	-0.0044	5.9547	-0.0126	-0.0096	0	-0.0222
1622	8.97	9.57	3.1796	2.7795	-0.0043	5.9548	-0.0078	-0.01	0.0035	-0.0143
1623	9.49	9.58	3.1798	2.7796	-0.0043	5.9551	-0.0068	-0.0097	0.0085	-0.008
1624	9.86	9.57	3.1797	2.7793	-0.0041	5.9549	0.0107	-0.0061	0.015	0.0195
1625	9.74	9.53	3.1798	2.779	-0.0041	5.9547	0.0316	0.0031	0.0174	0.052
1626	9.87	9.52	3.18	2.7794	-0.0041	5.9553	0.0451	0.0181	0.0154	0.0787
1627	9.86	9.49	3.1803	2.78	-0.0042	5.9562	0.0481	0.0202	0.0134	0.0818
1628	9.31	9.46	3.1803	2.7797	-0.004	5.956	0.0379	0.0311	0.0105	0.0795
1629	9.67	9.46	3.1807	2.7796	-0.004	5.9563	0.0301	0.0352	0.0048	0.0701
1630	9.28	9.48	3.1809	2.7796	-0.0037	5.9568	0.0167	0.0326	0.0014	0.0506
1631	9.51	9.52	3.1814	2.7797	-0.0035	5.9576	0.0134	0.0314	0.0041	0.0489
1632	9.62	9.56	3.1812	2.7798	-0.0035	5.9575	0.02	0.0325	0.0051	0.0576
1633	9.28	9.56	3.1809	2.7798	-0.0034	5.9573	0.0294	0.0301	0.005	0.0645
1634	9.04	9.55	3.1808	2.7799	-0.0036	5.9571	0.036	0.0257	0.0045	0.0662
1635	9.67	9.56	3.1813	2.7802	-0.0038	5.9577	0.033	0.0299	0.0075	0.0705
1636	9.08	9.58	3.182	2.7807	-0.0039	5.9589	0.0265	0.0306	0.0101	0.0671
1637	9.36	9.58	3.1821	2.7806	-0.0038	5.959	0.0186	0.0307	0.0141	0.0634
1638	9.85	9.62	3.1821	2.7806	-0.0039	5.9588	0.0092	0.0346	0.015	0.0588
1639	9.81	9.63	3.1819	2.7804	-0.004	5.9583	0.0024	0.0356	0.0103	0.0483
1640	9.58	9.66	3.1817	2.7802	-0.0041	5.9578	-0.0049	0.0346	0.0061	0.0358
1641	9.76	9.68	3.1815	2.78	-0.004	5.9575	-0.0055	0.0328	0.0028	0.0301
1642	9.48	9.7	3.1812	2.7797	-0.0039	5.9569	-0.0113	0.0336	0.0034	0.0258
1643	9.67	9.71	3.1811	2.7795	-0.0039	5.9567	-0.012	0.0297	0.0032	0.021
1644	9.91	9.75	3.1806	2.7785	-0.0038	5.9553	-0.0117	0.0229	0.0017	0.0128
1645	10.3	9.73	3.1804	2.7782	-0.004	5.9546	-0.0157	0.0201	0.0021	0.0065
1646	9.92	9.73	3.1802	2.7779	-0.0042	5.9539	-0.0182	0.0176	0.003	0.0024
1647	10.1	9.71	3.1797	2.7779	-0.0044	5.9531	-0.0205	0.0136	0.0025	-0.0044
1648	9.77	9.67	3.1797	2.7781	-0.0044	5.9534	-0.0235	0.0081	0.003	-0.0124
1649	9.9	9.65	3.1799	2.7785	-0.0044	5.954	-0.0248	0.0018	0.0022	-0.0209
1650	9.92	9.64	3.1802	2.7787	-0.0044	5.9545	-0.0277	0.0004	0.0022	-0.025
1651	9.85	9.65	3.1803	2.7785	-0.0042	5.9545	-0.0354	0.0044	0.0015	-0.0296
1652	9.49	9.64	3.1806	2.7786	-0.0043	5.9549	-0.0394	0.0049	0.0009	-0.0336
1653	9.82	9.63	3.181	2.7787	-0.0044	5.9553	-0.04	0.0045	0.0026	-0.033
1654	9.27	9.59	3.1807	2.7785	-0.0045	5.9547	-0.0451	0.0036	0.0022	-0.0393
1655	9.19	9.54	3.1805	2.7785	-0.0045	5.9545	-0.0475	0.0022	-0.0004	-0.0457
1656	8.83	9.52	3.1802	2.7784	-0.0046	5.9541	-0.0495	0.0045	-0.0029	-0.0478

1657	9.08	9.49	3.1803	2.7779	-0.0043	5.9539	-0.0486	0.0039	-0.0044	-0.0491
1658	9.46	9.49	3.1801	2.7784	-0.0042	5.9543	-0.0492	0.0034	-0.0064	-0.0522
1659	9.46	9.48	3.1797	2.7787	-0.004	5.9544	-0.0456	-0.0017	-0.0084	-0.0557
1660	9.86	9.45	3.1795	2.7787	-0.004	5.9542	-0.0394	-0.0063	-0.0103	-0.0559
1661	9.44	9.44	3.1795	2.7786	-0.0041	5.954	-0.0313	-0.0095	-0.0098	-0.0505
1662	9.44	9.41	3.1797	2.779	-0.0041	5.9546	-0.0243	-0.0069	-0.0087	-0.0399
1663	9.19	9.38	3.1798	2.7793	-0.0042	5.9548	-0.0187	-0.0009	-0.008	-0.0276
1664	9.22	9.38	3.1799	2.7792	-0.0044	5.9547	-0.0156	-0.0001	-0.004	-0.0197
1665	9.52	9.38	3.1796	2.7794	-0.0046	5.9545	-0.0167	-0.0001	-0.0018	-0.0186
1666	9.63	9.38	3.1794	2.7796	-0.0045	5.9546	-0.0274	0.0039	0.0014	-0.0222
1667	9.64	9.37	3.1795	2.7795	-0.0045	5.9545	-0.026	0.0032	0.003	-0.0198
1668	9.75	9.35	3.1796	2.7793	-0.0048	5.9541	-0.0212	0.0107	0.0003	-0.0103
1669	9.46	9.32	3.1795	2.7791	-0.005	5.9537	-0.019	0.0185	-0.0001	-0.0006
1670	9.61	9.28	3.1788	2.7791	-0.0051	5.9528	-0.0123	0.0171	0.0001	0.0049
1671	8.93	9.29	3.1782	2.779	-0.0051	5.9521	-0.0075	0.0197	-0.0001	0.0121
1672	9.3	9.31	3.1784	2.7786	-0.0051	5.9518	-0.0047	0.016	0.0013	0.0126
1673	9.22	9.32	3.1782	2.778	-0.0052	5.951	-0.0066	0.0165	0.0027	0.0126
1674	9.25	9.32	3.1781	2.7775	-0.0053	5.9504	-0.0093	0.0195	0.0038	0.014
1675	8.7	9.33	3.1782	2.7773	-0.005	5.9504	-0.0141	0.0186	0.0082	0.0128
1676	8.94	9.31	3.179	2.7772	-0.0049	5.9512	-0.0152	0.0133	0.0094	0.0076
1677	9.01	9.29	3.1808	2.7764	-0.0049	5.9523	-0.0106	0.0146	0.009	0.013
1678	9	9.27	3.1822	2.7759	-0.0045	5.9536	-0.0038	0.0201	0.0091	0.0254
1679	9.15	9.25	3.1835	2.7756	-0.0042	5.9549	-0.004	0.0166	0.0085	0.0211
1680	9.62	9.19	3.1834	2.7757	-0.0041	5.955	-0.001	0.014	0.0078	0.0207
1681	9.74	9.17	3.1827	2.776	-0.0039	5.9549	0.0035	0.0186	0.0095	0.0317
1682	9.44	9.14	3.1818	2.7768	-0.0039	5.9547	0.0103	0.0226	0.0106	0.0436
1683	9.15	9.13	3.1813	2.7775	-0.0039	5.9549	0.0106	0.0239	0.0102	0.0447
1684	9.79	9.1	3.1806	2.7772	-0.0041	5.9537	0.0113	0.0235	0.0103	0.0451
1685	9.29	9.11	3.1802	2.7774	-0.0041	5.9535	0.0084	0.0264	0.0067	0.0415
1686	9.09	9.13	3.1799	2.7776	-0.0042	5.9533	-0.003	0.032	0.0053	0.0343
1687	9.43	9.13	3.1803	2.7776	-0.004	5.9539	-0.0124	0.0324	0.0044	0.0244
1688	9.04	9.14	3.1804	2.7779	-0.0038	5.9545	-0.0171	0.0215	0.0067	0.0112
1689	8.53	9.14	3.1806	2.7782	-0.0038	5.955	-0.0191	0.0214	0.0036	0.006
1690	8.63	9.12	3.1809	2.7784	-0.0039	5.9555	-0.0193	0.0161	0.0033	0.0002
1691	8.72	9.07	3.181	2.7785	-0.0041	5.9555	-0.0163	0.0115	0.0034	-0.0014
1692	8.86	9.04	3.1808	2.779	-0.0042	5.9556	-0.0121	0.0087	0.0061	0.0026
1693	8.75	9.06	3.1806	2.7794	-0.0042	5.9558	-0.004	0.0019	0.0095	0.0075

1694	8.84	9.05	3.1805	2.7794	-0.0043	5.9556	0.0058	0.0035	0.0117	0.021
1695	9.45	9.06	3.1803	2.7792	-0.0043	5.9552	0.0033	-0.0031	0.0113	0.0115
1696	9.03	9.07	3.1802	2.7792	-0.0043	5.9551	0.0023	-0.0071	0.0083	0.0035
1697	9.06	9.07	3.1804	2.7795	-0.0044	5.9555	0.0014	-0.0117	0.006	-0.0043
1698	9.27	9.09	3.1806	2.78	-0.0042	5.9564	-0.0033	-0.0158	0.0009	-0.0182
1699	9.12	9.14	3.1808	2.78	-0.004	5.9568	-0.0052	-0.0157	-0.0006	-0.0215
1700	8.76	9.17	3.1814	2.7799	-0.0038	5.9575	-0.0063	-0.016	-0.0028	-0.0251
1701	8.99	9.19	3.1817	2.7802	-0.0036	5.9583	-0.0041	-0.0155	-0.0031	-0.0227
1702	9.4	9.21	3.182	2.7802	-0.0036	5.9586	-0.0014	-0.0191	-0.0015	-0.0219
1703	9.68	9.24	3.1823	2.7803	-0.0034	5.9592	0.0031	-0.0175	-0.0025	-0.0168
1704	9.45	9.27	3.1826	2.7805	-0.0032	5.96	0.0096	-0.0147	-0.0014	-0.0065
1705	9.24	9.26	3.1827	2.7804	-0.0029	5.9602	0.0038	-0.0124	0	-0.0086
1706	9.59	9.24	3.1826	2.7806	-0.003	5.9603	-0.0015	-0.0125	-0.0001	-0.0141
1707	9.31	9.23	3.1828	2.7808	-0.0028	5.9608	-0.0085	-0.0167	-0.0019	-0.0271
1708	9.45	9.23	3.1828	2.7812	-0.0027	5.9613	-0.0076	-0.0195	0.0012	-0.0259
1709	9.3	9.25	3.1823	2.7814	-0.0026	5.9611	-0.0131	-0.0109	0.0031	-0.021
1710	9.01	9.28	3.1819	2.7815	-0.0028	5.9607	-0.0212	-0.0091	0.0038	-0.0265
1711	9.26	9.32	3.1814	2.7812	-0.003	5.9597	-0.0232	-0.0101	0.0023	-0.031
1712	9.42	9.33	3.1808	2.7809	-0.0031	5.9586	-0.0232	-0.011	0.0026	-0.0316
1713	9.39	9.33	3.1807	2.7809	-0.0034	5.9582	-0.0216	-0.0022	0.0027	-0.0212
1714	9.17	9.33	3.1806	2.7809	-0.0038	5.9577	-0.0221	0.0026	0.0016	-0.018
1715	8.67	9.35	3.1814	2.7804	-0.0044	5.9574	-0.0227	-0.0008	0.0008	-0.0227
1716	8.89	9.36	3.1816	2.7804	-0.0048	5.9572	-0.0232	0	0.0011	-0.0221
1717	9.29	9.38	3.1814	2.7797	-0.0047	5.9564	-0.0246	0.0056	0.0032	-0.0159
1718	9.42	9.39	3.1809	2.779	-0.0047	5.9552	-0.0204	0.0082	0.0026	-0.0096
1719	9.45	9.4	3.1805	2.7786	-0.0047	5.9545	-0.0174	0.0052	-0.0002	-0.0124
1720	9.62	9.44	3.1802	2.778	-0.0045	5.9536	-0.022	-0.001	-0.0001	-0.0231
1721	9.64	9.48	3.18	2.7779	-0.0045	5.9534	-0.03	-0.0024	-0.0029	-0.0353
1722	9.64	9.5	3.1803	2.7779	-0.0046	5.9536	-0.038	-0.0016	-0.0038	-0.0434
1723	9.55	9.52	3.1807	2.7776	-0.0047	5.9537	-0.0362	-0.0078	-0.0061	-0.05
1724	9.6	9.55	3.1812	2.7774	-0.005	5.9536	-0.0382	-0.0139	-0.0067	-0.0588
1725	9.83	9.62	3.1813	2.7777	-0.005	5.954	-0.0383	-0.0184	-0.0055	-0.0622
1726	9.63	9.66	3.1811	2.7779	-0.005	5.954	-0.0361	-0.0198	-0.0024	-0.0583
1727	9.6	9.66	3.1807	2.778	-0.0051	5.9536	-0.03	-0.019	-0.002	-0.0509
1728	9.44	9.65	3.1807	2.7781	-0.0049	5.9539	-0.0127	-0.0253	-0.0002	-0.0382
1729	9.85	9.65	3.1808	2.7782	-0.0048	5.9542	0.0027	-0.0236	0.0025	-0.0184
1730	9.97	9.64	3.1805	2.7777	-0.0047	5.9536	0.0138	-0.0258	0.0034	-0.0087

1731	9.89	9.63	3.1804	2.7774	-0.0046	5.9532	0.0095	-0.0234	0.0031	-0.0108
1732	9.72	9.59	3.1801	2.7774	-0.0045	5.953	0.004	-0.0188	0.0022	-0.0125
1733	9.76	9.57	3.1797	2.7775	-0.0044	5.9528	-0.0026	-0.0185	0.0022	-0.0189
1734	9.92	9.55	3.1799	2.7773	-0.0043	5.9529	-0.0088	-0.0116	0.0021	-0.0182
1735	9.82	9.52	3.1816	2.777	-0.0043	5.9543	-0.0164	-0.0137	0.0011	-0.029
1736	9.25	9.48	3.1833	2.7775	-0.0043	5.9564	-0.0192	-0.0109	0.001	-0.0291
1737	9.18	9.45	3.1839	2.7784	-0.0045	5.9578	-0.0221	-0.0086	0.0005	-0.0302
1738	9.52	9.44	3.184	2.7784	-0.0042	5.9582	-0.0177	-0.0072	0.0022	-0.0227
1739	9.34	9.41	3.1838	2.7788	-0.0043	5.9583	-0.0182	-0.0039	0.0035	-0.0186
1740	9.37	9.38	3.1834	2.779	-0.0044	5.958	-0.0175	-0.0023	0.003	-0.0168
1741	8.97	9.33	3.1828	2.7792	-0.0046	5.9573	-0.0121	-0.0023	0.0015	-0.013
1742	9.23	9.3	3.1815	2.7795	-0.0049	5.9561	-0.0108	-0.0087	0.0002	-0.0193
1743	9.07	9.3	3.1805	2.7792	-0.0051	5.9546	-0.0101	-0.0071	0.001	-0.0163
1744	9.3	9.25	3.1803	2.7788	-0.0049	5.9541	-0.0096	-0.0018	0.0001	-0.0113
1745	8.98	9.22	3.1802	2.7789	-0.0048	5.9542	-0.01	0.0003	0.002	-0.0078
1746	8.9	9.2	3.1801	2.779	-0.0048	5.9543	-0.0144	-0.0008	0.002	-0.0132
1747	9.33	9.17	3.18	2.7794	-0.0045	5.9549	-0.0169	0.0008	-0.0001	-0.0162
1748	9.25	9.14	3.1802	2.7797	-0.0043	5.9556	-0.0143	0.0008	-0.003	-0.0165
1749	9.34	9.09	3.1805	2.7801	-0.0042	5.9565	-0.0138	0.004	-0.0009	-0.0107
1750	8.98	9.05	3.1806	2.7803	-0.0041	5.9568	-0.0112	-0.0006	0.0004	-0.0115
1751	9.25	9.05	3.1804	2.7804	-0.0041	5.9567	-0.0026	-0.0011	0.001	-0.0027
1752	9.67	9.03	3.1803	2.7803	-0.004	5.9566	0.0012	0.0012	0.0027	0.0051
1753	8.94	9.02	3.18	2.7802	-0.0043	5.9559	0.0037	0.001	0.0031	0.0078
1754	9.23	8.99	3.1803	2.7798	-0.0045	5.9556	0.0071	0.0029	0.0046	0.0146
1755	8.87	8.99	3.1807	2.7798	-0.0045	5.9559	0.0106	0.0045	0.0074	0.0225
1756	8.74	8.99	3.1811	2.7801	-0.0044	5.9568	0.0118	0.0034	0.0097	0.0249
1757	8.81	8.97	3.1811	2.7799	-0.0044	5.9565	0.0108	0.0061	0.0097	0.0265
1758	8.52	8.96	3.1814	2.7795	-0.0045	5.9564	0.0127	0.0076	0.0116	0.0318
1759	8.61	8.96	3.1818	2.7796	-0.0044	5.957	0.013	0.0119	0.0127	0.0377
1760	8.89	8.96	3.1818	2.7798	-0.0042	5.9573	0.0076	0.0145	0.0137	0.0359
1761	8.95	8.97	3.1818	2.7797	-0.0044	5.9571	0.0035	0.0159	0.0122	0.0315
1762	8.78	8.95	3.1819	2.7793	-0.0044	5.9567	-0.0022	0.013	0.0099	0.0207
1763	8.75	8.99	3.182	2.779	-0.0044	5.9566	-0.0094	0.0095	0.0087	0.0089
1764	8.93	9.03	3.1822	2.7792	-0.0045	5.9569	-0.0108	0.0097	0.0052	0.0041
1765	9.04	9.07	3.182	2.7794	-0.0047	5.9567	-0.0117	0.0099	0.0009	-0.0009
1766	8.86	9.12	3.1819	2.779	-0.0048	5.9562	-0.003	0.0043	-0.0064	-0.0052
1767	9.13	9.18	3.1815	2.7787	-0.0048	5.9554	-0.0003	0.0038	-0.0111	-0.0075

1768	9.23	9.24	3.1813	2.7788	-0.0048	5.9553	-0.0025	-0.0039	-0.0103	-0.0167
1769	9.06	9.31	3.1817	2.7792	-0.005	5.956	-0.0086	-0.0128	-0.01	-0.0314
1770	9.39	9.32	3.1818	2.7793	-0.0048	5.9564	-0.0133	-0.0175	-0.0102	-0.041
1771	9.29	9.34	3.182	2.7792	-0.0047	5.9564	-0.0182	-0.0258	-0.0084	-0.0525
1772	9.72	9.4	3.182	2.7793	-0.0045	5.9568	-0.0206	-0.0274	-0.008	-0.0559
1773	9.94	9.46	3.182	2.7794	-0.0045	5.9569	-0.0171	-0.0283	-0.009	-0.0544
1774	9.68	9.47	3.1819	2.7793	-0.0047	5.9566	-0.0117	-0.0314	-0.0105	-0.0537
1775	9.78	9.47	3.1818	2.7792	-0.0048	5.9562	-0.0062	-0.0347	-0.0144	-0.0553
1776	9.79	9.49	3.182	2.7791	-0.0047	5.9563	-0.0044	-0.0317	-0.0151	-0.0511
1777	9.74	9.5	3.182	2.7789	-0.0048	5.9561	-0.0072	-0.0292	-0.0153	-0.0517
1778	9.89	9.52	3.1819	2.7783	-0.0047	5.9554	-0.0127	-0.0282	-0.0166	-0.0575
1779	9.16	9.55	3.1821	2.7782	-0.0045	5.9557	-0.0126	-0.0279	-0.0141	-0.0546
1780	9.26	9.55	3.1825	2.778	-0.0044	5.9561	-0.0123	-0.0262	-0.0128	-0.0513
1781	10	9.58	3.1823	2.7779	-0.0041	5.9561	-0.0156	-0.0332	-0.0114	-0.0601
1782	9.73	9.6	3.1821	2.7786	-0.0041	5.9566	-0.0183	-0.038	-0.01	-0.0663
1783	9.21	9.6	3.1821	2.7787	-0.0041	5.9567	-0.0223	-0.039	-0.0093	-0.0706
1784	8.96	9.61	3.1823	2.7786	-0.0042	5.9566	-0.0282	-0.0387	-0.0078	-0.0747
1785	9.35	9.59	3.1821	2.7785	-0.0042	5.9564	-0.026	-0.042	-0.0065	-0.0745
1786	9.21	9.56	3.1821	2.7785	-0.0042	5.9563	-0.001	-0.0466	-0.0066	-0.0542
1787	9.7	9.57	3.1821	2.7784	-0.0043	5.9562	0.0259	-0.0406	-0.0067	-0.0214
1788	9.57	9.55	3.1822	2.7783	-0.0042	5.9564	0.0354	-0.0256	-0.0095	0.0003
1789	9.39	9.55	3.1824	2.7785	-0.0041	5.9567	0.0382	-0.0265	-0.0057	0.006
1790	9.92	9.56	3.1821	2.7787	-0.004	5.9568	0.0357	-0.0207	-0.007	0.0079
1791	10.2	9.54	3.1821	2.7794	-0.0041	5.9574	0.0289	-0.0175	-0.0091	0.0023
1792	9.8	9.54	3.1818	2.7797	-0.0043	5.9572	0.0191	-0.0154	-0.0128	-0.0091
1793	10	9.6	3.1815	2.7796	-0.0042	5.9569	-0.0013	-0.0104	-0.0171	-0.0288
1794	9.27	9.62	3.1815	2.7793	-0.0045	5.9564	-0.0195	-0.0158	-0.0211	-0.0563
1795	9.31	9.64	3.1817	2.7793	-0.0045	5.9565	-0.0243	-0.0225	-0.0189	-0.0657
1796	9.94	9.55	3.1819	2.7791	-0.0043	5.9567	-0.0267	-0.0214	-0.0177	-0.0657
1797	9.52	9.45	3.1818	2.7794	-0.0041	5.9571	-0.0291	-0.0187	-0.0164	-0.0642
1798	9.18	9.52	3.182	2.7796	-0.0041	5.9575	-0.0307	-0.0118	-0.0117	-0.0542
1799	9.38	9.37	3.1819	2.7801	-0.004	5.9579	-0.0276	-0.0069	-0.009	-0.0435
1800	9.56	9.56	3.1816	2.7801	-0.0039	5.9578	-0.0219	0.0012	-0.0057	-0.0264