Test Name	**AL, MW, rep 3**
Cladding	**Aluminium**
Cladding Thickness [mm]	**2**
Insulation	**Mineral Wool (MW)**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**3**
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 third 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]	**1.88**
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	-0.199	-0.199	3.1951	2.8084	-0.0011	6.0024	-0.0148	0.0897	0.0073	0.0822
1	-0.192	-0.127	3.1961	2.8083	-0.0017	6.0027	-0.0263	0.0909	0.0105	0.0751
2	0.00843	0.0123	3.1971	2.8077	-0.0014	6.0034	-0.0233	0.0936	0.0103	0.0806
3	0.228	0.156	3.1953	2.8074	-0.0015	6.0013	-0.0201	0.0903	0.0101	0.0804
4	0.216	0.298	3.1941	2.8062	-0.0008	5.9995	-0.024	0.0874	0.009	0.0724
5	0.408	0.43	3.1922	2.8054	-0.0014	5.9961	-0.014	0.0867	0.008	0.0806
6	0.622	0.566	3.192	2.8048	-0.0013	5.9955	-0.0013	0.0865	0.0078	0.093
7	0.792	0.785	3.1908	2.8046	-0.0011	5.9944	-0.0005	0.0869	0.0077	0.0941
8	0.795	1.24	3.1895	2.805	-0.0011	5.9934	0.0043	0.0823	0.0075	0.0942
9	0.918	1.84	3.188	2.8049	-0.001	5.9919	0.0023	0.0757	0.0057	0.0838
10	1.13	2.3	3.1867	2.8052	-0.0011	5.9908	-0.0018	0.0742	0.0059	0.0784
11	1.21	2.74	3.1857	2.805	-0.001	5.9897	0.0202	0.0716	0.0072	0.099
12	1.43	3.2	3.1854	2.805	-0.0011	5.9894	0.0552	0.0705	0.0071	0.1327
13	1.77	3.64	3.1854	2.8049	-0.0009	5.9893	0.0816	0.0693	0.0069	0.1578
14	2.64	4.12	3.1871	2.805	-0.001	5.9911	0.1034	0.0683	0.0068	0.1785
15	3.84	4.6	3.1899	2.805	-0.0009	5.994	0.1152	0.0683	0.0056	0.1891
16	5.46	5.06	3.1926	2.8051	-0.001	5.9967	0.1247	0.0689	0.0063	0.2
17	6.74	5.54	3.1953	2.8051	-0.001	5.9994	0.1455	0.0682	0.0065	0.2202
18	7.14	6.03	3.1968	2.8051	-0.001	6.0009	0.177	0.0688	0.0064	0.2522
19	8.61	6.51	3.1978	2.8049	-0.001	6.0017	0.2057	0.07	0.0051	0.2808
20	8.07	6.98	3.1978	2.8047	-0.0011	6.0014	0.2201	0.0667	0.0066	0.2933
21	8.79	7.42	3.1973	2.8051	-0.001	6.0013	0.2362	0.069	0.0076	0.3128
22	8.65	7.87	3.1979	2.8049	-0.001	6.0018	0.248	0.0669	0.0075	0.3223
23	9.21	8.31	3.1985	2.8048	-0.001	6.0023	0.2582	0.0659	0.0074	0.3315
24	9.53	8.69	3.1982	2.8047	-0.0009	6.0019	0.2624	0.0644	0.0064	0.3333
25	9.49	9.01	3.1975	2.8047	-0.001	6.0012	0.2558	0.0606	0.0058	0.3222
26	9.75	9.25	3.1968	2.8046	-0.0011	6.0003	0.2271	0.0611	0.0058	0.2939
27	10.1	9.44	3.1961	2.8047	-0.0011	5.9996	0.1822	0.0632	0.0057	0.251
28	10	9.64	3.1948	2.8048	-0.0011	5.9985	0.1248	0.0649	0.0056	0.1953

29	10.1	9.72	3.1946	2.8047	-0.0011	5.9982	0.0998	0.0634	0.0055	0.1687
30	9.61	9.84	3.1951	2.8044	-0.0011	5.9984	0.0729	0.0642	0.0051	0.1422
31	9.97	9.9	3.1946	2.8044	-0.0011	5.9979	0.058	0.0621	0.0047	0.1247
32	10.1	9.99	3.1933	2.8042	-0.001	5.9965	0.0607	0.0593	0.006	0.126
33	9.94	10.1	3.1918	2.8042	-0.001	5.995	0.0711	0.0552	0.0057	0.132
34	9.87	10.1	3.1905	2.8045	-0.0011	5.9939	0.0671	0.055	0.0052	0.1273
35	10.1	10.2	3.1894	2.8045	-0.0012	5.9926	0.0462	0.0569	0.0051	0.1083
36	10.3	10.2	3.1871	2.8044	-0.0013	5.9903	0.0369	0.0532	0.004	0.0941
37	10.9	10.2	3.1849	2.8043	-0.0012	5.988	0.0332	0.0492	0.0039	0.0862
38	10.2	10.3	3.1833	2.8043	-0.0012	5.9864	0.0405	0.051	0.004	0.0955
39	10.3	10.3	3.1822	2.8041	-0.0013	5.985	0.0565	0.0508	0.0049	0.1122
40	10	10.3	3.1806	2.8042	-0.0013	5.9835	0.0688	0.0489	0.0045	0.1223
41	10.2	10.3	3.1803	2.8043	-0.0014	5.9833	0.0701	0.0496	0.0037	0.1234
42	10.8	10.4	3.1804	2.8042	-0.0014	5.9832	0.0586	0.0497	0.0037	0.1119
43	10.9	10.4	3.1805	2.8044	-0.0013	5.9835	0.0483	0.0491	0.0043	0.1017
44	10.4	10.4	3.1805	2.8045	-0.0013	5.9837	0.0442	0.0494	0.0047	0.0983
45	10.2	10.5	3.1822	2.8045	-0.0012	5.9855	0.0429	0.0491	0.0037	0.0957
46	10.4	10.5	3.1866	2.8044	-0.0011	5.9899	0.0473	0.0496	0.0035	0.1005
47	10.9	10.5	3.1916	2.8042	-0.0011	5.9948	0.0671	0.0441	0.0046	0.1158
48	10.2	10.5	3.194	2.8041	-0.0011	5.997	0.0996	0.0446	0.0057	0.1498
49	9.96	10.5	3.1965	2.8038	-0.0012	5.9991	0.1252	0.0441	0.0062	0.1755
50	10.8	10.5	3.1971	2.8036	-0.0014	5.9993	0.1519	0.0433	0.0054	0.2006
51	10.7	10.5	3.197	2.8034	-0.0014	5.999	0.1731	0.0436	0.0034	0.2201
52	10.7	10.5	3.1968	2.8035	-0.0014	5.9989	0.2094	0.0412	-0.001	0.2495
53	10.5	10.5	3.1971	2.8035	-0.0013	5.9993	0.2381	0.0355	0.002	0.2756
54	10.7	10.5	3.1965	2.8035	-0.0013	5.9987	0.2291	0.0353	0.0013	0.2657
55	10.9	10.6	3.1958	2.8034	-0.0013	5.998	0.226	0.0248	0.0078	0.2586
56	10.6	10.6	3.1958	2.8033	-0.0013	5.9978	0.2066	0.0175	0.0011	0.2253
57	10.6	10.6	3.1955	2.8035	-0.0013	5.9977	0.2105	0.0145	0.0028	0.2277
58	10.4	10.6	3.1956	2.8038	-0.0012	5.9982	0.208	0.016	0.0065	0.2304
59	10.1	10.6	3.1959	2.8038	-0.0012	5.9985	0.1966	0.0202	0.0067	0.2235
60	10.6	10.6	3.1945	2.8039	-0.0013	5.9971	0.1861	0.0248	0.0069	0.2178
61	10.4	10.6	3.1923	2.8039	-0.0013	5.9949	0.1689	0.0265	0.0065	0.2019
62	10.5	10.6	3.1906	2.8039	-0.0013	5.9932	0.1615	0.0265	0.0079	0.1958
63	10.9	10.6	3.1891	2.8039	-0.0013	5.9917	0.1644	0.0283	0.0074	0.2002
64	11.1	10.6	3.1883	2.8038	-0.0012	5.9909	0.1654	0.0266	0.0079	0.1999
65	10.6	10.6	3.1875	2.8037	-0.0013	5.99	0.1843	0.0289	0.007	0.2202

66	10.7	10.6	3.186	2.8037	-0.0013	5.9884	0.2151	0.0339	0.0065	0.2555
67	10.5	10.6	3.1837	2.8036	-0.0013	5.986	0.2378	0.0348	0.0053	0.2779
68	10.2	10.6	3.1816	2.8034	-0.0012	5.9838	0.2468	0.0301	0.0038	0.2807
69	10.8	10.7	3.1804	2.8036	-0.0013	5.9826	0.2369	0.0337	0.003	0.2737
70	10.6	10.7	3.179	2.8034	-0.0014	5.981	0.2183	0.0312	0.003	0.2524
71	10.8	10.7	3.1779	2.8035	-0.0014	5.98	0.192	0.0286	0.0025	0.2231
72	11.2	10.7	3.1769	2.8035	-0.0014	5.979	0.1743	0.0312	0.0046	0.21
73	10.7	10.7	3.1763	2.8035	-0.0013	5.9785	0.171	0.029	0.0043	0.2044
74	10.3	10.7	3.1766	2.8037	-0.0013	5.979	0.1683	0.0291	0.0036	0.201
75	10.4	10.7	3.1785	2.8036	-0.0013	5.9808	0.1707	0.0263	0.0027	0.1996
76	10.6	10.7	3.1817	2.8034	-0.0013	5.9838	0.178	0.0212	0.003	0.2022
77	10.9	10.7	3.186	2.8032	-0.0013	5.9879	0.1792	0.0223	0.0023	0.2038
78	10.9	10.7	3.1879	2.8033	-0.0013	5.9898	0.1641	0.0219	0.0022	0.1882
79	10.5	10.6	3.1899	2.8031	-0.0013	5.9918	0.1488	0.0233	0.0036	0.1757
80	11	10.6	3.1911	2.8032	-0.0012	5.9931	0.1476	0.0218	0.0054	0.1747
81	10.6	10.6	3.1908	2.8034	-0.0014	5.9928	0.1633	0.02	0.006	0.1893
82	10.9	10.5	3.1899	2.8037	-0.0013	5.9922	0.1704	0.022	0.0062	0.1987
83	11	10.4	3.1901	2.8037	-0.0013	5.9925	0.1505	0.0244	0.007	0.1819
84	11	10.4	3.1918	2.8034	-0.0013	5.994	0.1188	0.03	0.0078	0.1566
85	10.5	10.4	3.1926	2.8037	-0.0012	5.9951	0.0885	0.0367	0.0078	0.133
86	10.5	10.4	3.1929	2.804	-0.0012	5.9957	0.0777	0.0367	0.007	0.1214
87	9.97	10.4	3.1922	2.8038	-0.0012	5.9948	0.0428	0.0342	0.0063	0.0833
88	9.78	10.3	3.1907	2.8037	-0.0013	5.9932	0.0142	0.0363	0.0077	0.0582
89	9.64	10.3	3.1896	2.8039	-0.0013	5.9922	0.0064	0.037	0.007	0.0504
90	10.1	10.3	3.1894	2.8038	-0.0012	5.9919	-0.0063	0.0362	0.0053	0.0351
91	10	10.3	3.1904	2.8037	-0.0012	5.9929	-0.0308	0.0408	0.0038	0.0138
92	9.66	10.3	3.1913	2.8037	-0.0013	5.9937	-0.0289	0.0429	0.0036	0.0176
93	9.7	10.3	3.1916	2.8036	-0.0013	5.9939	-0.0236	0.041	0.004	0.0214
94	10.8	10.3	3.1917	2.8036	-0.0012	5.9941	-0.0087	0.041	0.0053	0.0375
95	10.2	10.3	3.1912	2.8035	-0.0012	5.9935	-0.0052	0.0437	0.0069	0.0454
96	10.4	10.3	3.1892	2.804	-0.0013	5.9919	0.0089	0.0421	0.0068	0.0577
97	10.4	10.4	3.186	2.8039	-0.0014	5.9885	0.0373	0.0392	0.0076	0.0841
98	10.4	10.4	3.1834	2.8039	-0.0015	5.9858	0.0821	0.0369	0.005	0.124
99	10.5	10.4	3.1806	2.8039	-0.0014	5.9831	0.1001	0.0337	0.0049	0.1388
100	10.7	10.5	3.1778	2.804	-0.0014	5.9804	0.1076	0.0279	0.0037	0.1392
101	10.6	10.5	3.1751	2.8042	-0.0016	5.9778	0.1011	0.0263	0.0029	0.1304
102	10.8	10.6	3.1733	2.8042	-0.0016	5.9758	0.1	0.024	0.004	0.128

103	10.5	10.6	3.1724	2.8039	-0.0016	5.9747	0.105	0.0227	0.004	0.1318
104	10.3	10.7	3.1715	2.8037	-0.0016	5.9737	0.1048	0.0217	0.0045	0.131
105	11.2	10.7	3.1715	2.8036	-0.0015	5.9736	0.0929	0.0201	0.0032	0.1162
106	11	10.7	3.1709	2.8034	-0.0016	5.9727	0.1153	0.0203	0.004	0.1396
107	10.1	10.7	3.17	2.803	-0.0017	5.9713	0.1384	0.0162	0.0048	0.1595
108	10.6	10.7	3.1698	2.803	-0.0018	5.971	0.1577	0.0189	0.003	0.1796
109	10.7	10.7	3.1694	2.8024	-0.0017	5.9701	0.1824	0.0223	0.0043	0.2091
110	11	10.7	3.1698	2.8025	-0.0017	5.9706	0.1999	0.0236	0.0048	0.2283
111	10.9	10.7	3.1695	2.8024	-0.0018	5.9701	0.1981	0.0245	0.0035	0.226
112	11.2	10.7	3.169	2.8022	-0.0018	5.9694	0.1827	0.024	0.003	0.2097
113	10.9	10.7	3.1688	2.8022	-0.0017	5.9693	0.1685	0.0232	0.0022	0.194
114	10.2	10.8	3.1687	2.8021	-0.0017	5.9691	0.1315	0.0238	0.0012	0.1565
115	10.9	10.8	3.1684	2.8016	-0.0016	5.9684	0.0757	0.0261	0.0017	0.1035
116	10.8	10.8	3.1688	2.8016	-0.0015	5.9689	0.0381	0.0243	0.0012	0.0636
117	10.9	10.8	3.1706	2.8021	-0.0014	5.9714	0.0149	0.0277	0.0022	0.0448
118	10.7	10.8	3.1731	2.8017	-0.0013	5.9735	-0.007	0.0247	0.003	0.0207
119	10.8	10.8	3.176	2.8018	-0.0013	5.9765	-0.0226	0.022	0.0035	0.0029
120	10.7	10.8	3.1786	2.8018	-0.0013	5.9791	-0.0297	0.023	0.0027	-0.004
121	10.6	10.8	3.1798	2.802	-0.0015	5.9803	-0.034	0.0213	0.0036	-0.0091
122	10.6	10.7	3.1808	2.802	-0.0014	5.9814	-0.029	0.0212	0.0033	-0.0045
123	11.2	10.7	3.1816	2.8019	-0.0013	5.9822	-0.0209	0.0221	0.0023	0.0034
124	10.7	10.7	3.1811	2.8021	-0.0012	5.982	-0.0235	0.0255	0.0027	0.0047
125	11.2	10.7	3.1797	2.8026	-0.0013	5.9809	-0.0165	0.0301	0.0039	0.0176
126	11	10.7	3.1788	2.8024	-0.0013	5.98	0.0128	0.0284	0.006	0.0472
127	10.4	10.6	3.1797	2.8025	-0.0013	5.9808	0.0616	0.028	0.0058	0.0955
128	10.6	10.6	3.18	2.8025	-0.0015	5.981	0.1153	0.0268	0.005	0.1472
129	10.8	10.6	3.1798	2.8025	-0.0016	5.9807	0.1469	0.0293	0.0057	0.1818
130	10.6	10.6	3.1787	2.8024	-0.0017	5.9794	0.1735	0.0278	0.0073	0.2086
131	10.7	10.6	3.1776	2.8022	-0.0017	5.9781	0.1948	0.0311	0.0076	0.2336
132	10.8	10.6	3.1782	2.8018	-0.0017	5.9783	0.1971	0.0347	0.0078	0.2397
133	10.4	10.5	3.1799	2.8012	-0.0018	5.9793	0.1925	0.0387	0.0094	0.2405
134	10.3	10.5	3.1816	2.8008	-0.0019	5.9806	0.2006	0.0429	0.01	0.2535
135	9.96	10.5	3.1816	2.8008	-0.0019	5.9805	0.2203	0.0413	0.01	0.2716
136	10.4	10.4	3.1829	2.801	-0.0019	5.9819	0.215	0.045	0.0119	0.2718
137	10.1	10.4	3.1834	2.8007	-0.002	5.9821	0.2056	0.0489	0.0108	0.2653
138	10.2	10.4	3.1826	2.8006	-0.0019	5.9813	0.2021	0.0469	0.0096	0.2585
139	10.7	10.4	3.1828	2.8005	-0.0018	5.9815	0.1823	0.0472	0.0076	0.2372

140	10.5	10.4	3.1836	2.8002	-0.0017	5.9821	0.1646	0.0497	0.0073	0.2216
141	10.4	10.3	3.1832	2.8001	-0.0018	5.9815	0.1617	0.0468	0.008	0.2165
142	10.3	10.3	3.1828	2.8001	-0.0018	5.9811	0.1677	0.0463	0.0093	0.2233
143	10.2	10.3	3.1814	2.8003	-0.0019	5.9798	0.1654	0.0455	0.0094	0.2202
144	10.2	10.3	3.181	2.8001	-0.002	5.9791	0.1483	0.0434	0.0081	0.1998
145	10.3	10.3	3.1813	2.8003	-0.0019	5.9797	0.1528	0.045	0.0099	0.2076
146	10.8	10.2	3.1828	2.8005	-0.0019	5.9815	0.1615	0.0423	0.0099	0.2136
147	10.5	10.2	3.1834	2.8005	-0.0016	5.9824	0.1453	0.0501	0.0081	0.2035
148	10.4	10.2	3.184	2.8007	-0.0016	5.9831	0.1135	0.0494	0.0081	0.171
149	10	10.1	3.1857	2.801	-0.0016	5.9851	0.0948	0.048	0.0083	0.1511
150	9.88	10	3.187	2.801	-0.0017	5.9863	0.0767	0.0479	0.0085	0.1331
151	10.1	10	3.187	2.801	-0.0018	5.9862	0.0553	0.0514	0.0076	0.1143
152	9.99	9.99	3.1863	2.8012	-0.0018	5.9857	0.0234	0.0544	0.0058	0.0835
153	10	9.98	3.1866	2.8014	-0.0018	5.9861	-0.0031	0.0561	0.005	0.0581
154	10	9.99	3.1872	2.8015	-0.0016	5.9871	-0.0094	0.0582	0.0023	0.0512
155	9.79	9.97	3.1843	2.8014	-0.0017	5.984	-0.0166	0.0552	0.002	0.0406
156	9.87	9.94	3.1819	2.8017	-0.0018	5.9819	-0.0213	0.0533	0.0038	0.0358
157	9.42	9.97	3.1797	2.8016	-0.0016	5.9797	-0.0412	0.0532	0.0022	0.0141
158	9.54	9.97	3.1774	2.8016	-0.0016	5.9773	-0.0699	0.052	0.0028	-0.0152
159	9.2	10	3.1759	2.8015	-0.0017	5.9756	-0.0737	0.0528	0.0047	-0.0162
160	9.52	10.1	3.1747	2.8015	-0.0016	5.9745	-0.0743	0.0458	0.0065	-0.022
161	10.2	10.1	3.1741	2.8015	-0.0016	5.974	-0.0682	0.0467	0.0059	-0.0156
162	9.95	10.2	3.1738	2.8016	-0.0015	5.9738	-0.0654	0.0478	0.005	-0.0127
163	10.3	10.2	3.176	2.8015	-0.0014	5.9761	-0.0642	0.0421	0.005	-0.0171
164	9.93	10.3	3.1807	2.8012	-0.0014	5.9805	-0.0583	0.0447	0.0049	-0.0088
165	10.3	10.3	3.1837	2.8013	-0.0014	5.9836	-0.0561	0.0441	0.005	-0.007
166	11.1	10.4	3.1845	2.8009	-0.0015	5.9839	-0.0649	0.0391	0.005	-0.0208
167	10.3	10.5	3.1844	2.8011	-0.0016	5.9839	-0.0527	0.039	0.0063	-0.0074
168	10.9	10.5	3.1838	2.8012	-0.0016	5.9835	-0.0309	0.0422	0.0075	0.0189
169	11	10.6	3.1833	2.8013	-0.0016	5.983	-0.0113	0.0383	0.0066	0.0336
170	10.9	10.7	3.1824	2.8012	-0.0018	5.9819	0.0135	0.0385	0.007	0.059
171	11.1	10.7	3.1808	2.8013	-0.0017	5.9804	0.0383	0.0385	0.0081	0.0849
172	10.7	10.7	3.179	2.8013	-0.0016	5.9786	0.0561	0.0396	0.0095	0.1052
173	11.3	10.7	3.1787	2.8009	-0.0016	5.978	0.0727	0.0416	0.0091	0.1234
174	10.9	10.8	3.1782	2.8007	-0.0017	5.9772	0.0841	0.0395	0.0071	0.1307
175	10.7	10.8	3.1772	2.8008	-0.0019	5.9761	0.0781	0.0427	0.0069	0.1277
176	10.8	10.7	3.1756	2.8006	-0.0019	5.9743	0.0686	0.0488	0.006	0.1234

177	10.6	10.7	3.1745	2.8005	-0.0018	5.9732	0.0604	0.0462	0.0063	0.1129
178	10.8	10.7	3.1732	2.8003	-0.0019	5.9717	0.0615	0.0476	0.0081	0.1172
179	10.6	10.7	3.1726	2.8004	-0.002	5.9709	0.0592	0.0459	0.0078	0.1128
180	10.4	10.7	3.1716	2.8001	-0.002	5.9697	0.0534	0.0435	0.0066	0.1035
181	10.7	10.6	3.1711	2.7999	-0.0021	5.9689	0.0414	0.0383	0.0054	0.0851
182	10.6	10.6	3.1706	2.7998	-0.0023	5.9682	0.0344	0.0348	0.0037	0.0728
183	10.5	10.6	3.1701	2.7994	-0.0023	5.9671	0.0402	0.0263	0.003	0.0695
184	10.8	10.5	3.1698	2.7993	-0.0023	5.9668	0.0557	0.021	0.0014	0.0781
185	10.1	10.5	3.1711	2.7992	-0.0024	5.9679	0.0647	0.0173	0.002	0.084
186	10.6	10.4	3.1723	2.7991	-0.0023	5.9691	0.0512	0.0149	0.002	0.0681
187	10.7	10.4	3.172	2.7991	-0.0022	5.9689	0.0679	0.0153	0.0019	0.0851
188	11	10.4	3.1725	2.799	-0.0021	5.9695	0.0794	0.0096	0.0007	0.0897
189	10.6	10.3	3.1731	2.7989	-0.002	5.97	0.0679	0.0069	0	0.0748
190	9.69	10.3	3.1732	2.7991	-0.002	5.9703	0.074	0.0044	0.0012	0.0796
191	10.2	10.2	3.1736	2.7991	-0.0021	5.9705	0.0824	0.0032	0.0025	0.0881
192	10.3	10.2	3.1747	2.7992	-0.0022	5.9717	0.0668	0.0062	0.0021	0.0751
193	10.1	10.2	3.1768	2.7993	-0.0021	5.9739	0.0501	0.0065	0.002	0.0586
194	10.4	10.1	3.1764	2.7991	-0.0022	5.9733	0.0341	0.01	0.0029	0.047
195	9.77	10.1	3.1751	2.7993	-0.0022	5.9722	0.0347	0.0131	0.0021	0.0499
196	10.1	10.1	3.1747	2.799	-0.0021	5.9716	0.0448	0.011	0.0019	0.0576
197	9.92	10	3.1746	2.799	-0.0022	5.9714	0.0571	0.0137	0.0003	0.0712
198	9.71	9.99	3.1739	2.7991	-0.0023	5.9707	0.0601	0.0127	0.0042	0.077
199	9.76	9.97	3.1729	2.7992	-0.0022	5.9698	0.0625	0.0172	0.005	0.0847
200	9.91	10	3.1723	2.7989	-0.0022	5.969	0.0832	0.022	0.0045	0.1098
201	9.98	10	3.1728	2.7988	-0.0021	5.9694	0.1071	0.0255	0.0025	0.1351
202	9.87	10	3.1736	2.7986	-0.0021	5.97	0.1188	0.028	0.0003	0.1471
203	9.42	10.1	3.1733	2.7981	-0.0018	5.9696	0.1167	0.0293	0	0.146
204	10.2	10.1	3.1732	2.7982	-0.0018	5.9696	0.1179	0.0308	-0.0009	0.1479
205	9.93	10.1	3.1736	2.7983	-0.0019	5.97	0.1234	0.0329	-0.0002	0.1561
206	9.99	10.1	3.1751	2.7981	-0.0018	5.9713	0.0845	0.0272	0	0.1117
207	10.1	10.2	3.177	2.7978	-0.002	5.9728	0.0537	0.0335	-0.0008	0.0863
208	10	10.2	3.1772	2.7977	-0.0022	5.9726	0.027	0.0353	0.0016	0.0638
209	10.3	10.2	3.1768	2.7979	-0.0024	5.9724	-0.0002	0.0353	0.0035	0.0385
210	10.7	10.2	3.1766	2.7979	-0.0023	5.9722	-0.0143	0.0366	0.005	0.0273
211	10.5	10.3	3.1761	2.7976	-0.0023	5.9714	-0.0242	0.0359	0.0065	0.0183
212	10.5	10.3	3.1754	2.798	-0.0023	5.9711	-0.0331	0.0333	0.007	0.0072
213	10.4	10.3	3.1747	2.7977	-0.0022	5.9702	-0.0474	0.0345	0.0062	-0.0067

214	10.6	10.3	3.1743	2.7977	-0.0022	5.9698	-0.0299	0.0342	0.006	0.0102
215	10.8	10.2	3.1749	2.7977	-0.0021	5.9705	0.0121	0.0332	0.005	0.0503
216	10.3	10.2	3.1741	2.7977	-0.0021	5.9697	0.0386	0.0372	0.004	0.0798
217	10.5	10.2	3.1737	2.7979	-0.0021	5.9695	0.0513	0.0373	0.003	0.0917
218	10.3	10.2	3.1742	2.7979	-0.002	5.9702	0.0524	0.0399	0.0033	0.0956
219	10	10.2	3.1746	2.7979	-0.002	5.9706	0.0521	0.0411	0.004	0.0972
220	10.3	10.2	3.1748	2.798	-0.0022	5.9706	0.0513	0.04	0.0036	0.0948
221	10	10.1	3.1742	2.798	-0.0024	5.9698	0.0474	0.0376	0.0024	0.0874
222	9.85	10.1	3.1735	2.7978	-0.0023	5.969	0.0444	0.0366	0.0012	0.0822
223	9.52	10.1	3.1732	2.798	-0.002	5.9692	0.03	0.0355	0.0017	0.0673
224	9.41	10.1	3.1733	2.7978	-0.0019	5.9692	0.0277	0.0325	0.002	0.0622
225	10.1	10.1	3.1728	2.7977	-0.0019	5.9686	0.0233	0.0261	0.0001	0.0495
226	9.8	10.1	3.1728	2.7978	-0.0019	5.9687	0.0144	0.026	-0.0011	0.0393
227	10.3	10.1	3.1735	2.7977	-0.0021	5.9691	0.0002	0.0246	-0.002	0.0228
228	9.9	10.1	3.174	2.7979	-0.0022	5.9697	-0.011	0.0222	-0.0011	0.0101
229	10.1	10.1	3.1745	2.7982	-0.0023	5.9704	-0.0171	0.0204	0.0011	0.0043
230	9.97	10.1	3.1746	2.7986	-0.0022	5.9709	-0.0212	0.021	0.0015	0.0013
231	9.92	10.2	3.1742	2.7987	-0.0021	5.9708	-0.034	0.0187	0.0032	-0.0121
232	10.4	10.2	3.1742	2.7992	-0.002	5.9714	-0.0383	0.0177	0.0033	-0.0173
233	10.7	10.2	3.1743	2.7991	-0.0019	5.9715	-0.048	0.021	0.0022	-0.0247
234	10.3	10.3	3.1751	2.7991	-0.0021	5.9722	-0.0562	0.0211	0.002	-0.0331
235	10.2	10.3	3.1765	2.7993	-0.0021	5.9737	-0.0609	0.0181	0.002	-0.0409
236	10.2	10.3	3.1761	2.7994	-0.0021	5.9734	-0.0545	0.0199	0.0021	-0.0325
237	10.6	10.3	3.1755	2.7997	-0.002	5.9732	-0.0233	0.0193	0.004	0
238	10.5	10.3	3.1758	2.7999	-0.0019	5.9738	-0.0167	0.0205	0.0043	0.008
239	10.6	10.4	3.1754	2.8001	-0.0019	5.9735	-0.0035	0.0179	0.0057	0.0201
240	10.8	10.4	3.1754	2.7998	-0.0019	5.9733	0.0073	0.0155	0.0061	0.0289
241	10.3	10.4	3.1765	2.7994	-0.002	5.974	0.0158	0.0178	0.005	0.0387
242	10.4	10.3	3.1778	2.7994	-0.002	5.9752	0.0253	0.0231	0.003	0.0514
243	10.3	10.3	3.178	2.7992	-0.0022	5.9751	0.0236	0.028	0.002	0.0536
244	10.3	10.3	3.1775	2.7988	-0.0022	5.9741	0.037	0.0307	0.0037	0.0714
245	9.54	10.3	3.1768	2.7992	-0.0021	5.9739	0.0294	0.0309	0.0021	0.0623
246	10.7	10.3	3.1771	2.7991	-0.0019	5.9743	0.0086	0.0368	0.0011	0.0464
247	10.7	10.2	3.1774	2.7993	-0.002	5.9746	-0.0045	0.0335	0.0018	0.0309
248	10.7	10.2	3.1778	2.799	-0.0021	5.9747	-0.0107	0.033	0.0007	0.023
249	10.1	10.2	3.1774	2.7988	-0.0021	5.9742	-0.0257	0.0393	0.0003	0.014
250	9.55	10.1	3.1763	2.7984	-0.0019	5.9728	-0.0512	0.0387	0.0015	-0.011

251	9.94	10.1	3.1751	2.7982	-0.0018	5.9715	-0.0756	0.0363	0.0014	-0.0379
252	9.69	10.1	3.1746	2.7983	-0.0018	5.9711	-0.0891	0.0341	0.0017	-0.0534
253	10.3	10.1	3.1748	2.7983	-0.0017	5.9714	-0.0905	0.0344	0.0012	-0.0548
254	9.63	10.1	3.1749	2.7982	-0.0016	5.9715	-0.0807	0.0271	0.0054	-0.0482
255	10.3	10.2	3.1759	2.7987	-0.0017	5.9728	-0.0667	0.028	0.007	-0.0317
256	10.1	10.1	3.1766	2.7983	-0.0017	5.9732	-0.0497	0.0319	0.0061	-0.0117
257	9.89	10.1	3.177	2.7981	-0.0018	5.9734	-0.0356	0.0329	0.0066	0.0038
258	10.1	10.1	3.1774	2.798	-0.002	5.9735	-0.0266	0.0366	0.0038	0.0138
259	10.2	10.1	3.1773	2.7978	-0.0022	5.9729	-0.0436	0.0368	0.0006	-0.0062
260	10.3	10.1	3.1771	2.7979	-0.0023	5.9727	-0.0624	0.0381	-0.001	-0.0253
261	10.2	10.1	3.1774	2.7982	-0.0023	5.9732	-0.0746	0.0391	-0.0014	-0.0368
262	10.2	10.2	3.1785	2.7981	-0.0021	5.9745	-0.0867	0.0352	-0.001	-0.0525
263	10.4	10.2	3.179	2.7981	-0.002	5.9751	-0.0972	0.0371	-0.0002	-0.0603
264	10.6	10.2	3.1795	2.7979	-0.0019	5.9755	-0.1099	0.0326	0.0018	-0.0755
265	10	10.2	3.1799	2.7976	-0.0018	5.9756	-0.1188	0.038	0.002	-0.0788
266	9.98	10.2	3.1794	2.7972	-0.0018	5.9748	-0.1171	0.0389	0.0021	-0.0761
267	10.3	10.2	3.1792	2.7971	-0.0019	5.9744	-0.1246	0.038	0.003	-0.0836
268	10.2	10.2	3.1786	2.7971	-0.002	5.9738	-0.1208	0.0374	0.0036	-0.0798
269	10.1	10.2	3.1782	2.7973	-0.002	5.9735	-0.1159	0.0368	0.0054	-0.0737
270	10.1	10.3	3.1776	2.7975	-0.002	5.9731	-0.1145	0.038	0.0055	-0.071
271	10.6	10.3	3.1764	2.7977	-0.0019	5.9722	-0.1112	0.038	0.0044	-0.0689
272	10.2	10.3	3.176	2.7977	-0.0018	5.9719	-0.117	0.0373	0.0019	-0.0777
273	10.2	10.3	3.1759	2.7977	-0.0018	5.9718	-0.1225	0.0331	0.0026	-0.0868
274	10.4	10.3	3.1759	2.7981	-0.0017	5.9723	-0.1143	0.032	0.0057	-0.0766
275	10.1	10.3	3.1758	2.7982	-0.0018	5.9722	-0.1054	0.0282	0.006	-0.0712
276	10.3	10.4	3.1756	2.7981	-0.0017	5.972	-0.0954	0.0241	0.006	-0.0653
277	10.2	10.4	3.1756	2.7983	-0.0017	5.9722	-0.08	0.0267	0.006	-0.0474
278	10.4	10.4	3.1749	2.7983	-0.002	5.9712	-0.0673	0.0257	0.0055	-0.0361
279	10.8	10.5	3.1747	2.7983	-0.0021	5.9708	-0.0586	0.028	0.0037	-0.0269
280	10.6	10.5	3.175	2.7983	-0.0023	5.9709	-0.0528	0.0298	0.0026	-0.0205
281	10.9	10.5	3.1749	2.7982	-0.0025	5.9706	-0.0519	0.0331	0.002	-0.0167
282	10.5	10.5	3.1754	2.7977	-0.0025	5.9706	-0.051	0.0328	0.0033	-0.0149
283	10.1	10.5	3.1757	2.7973	-0.0025	5.9704	-0.0436	0.0388	0.0033	-0.0015
284	10.7	10.6	3.1759	2.7975	-0.0025	5.9709	-0.0402	0.0401	0.0047	0.0046
285	10.7	10.5	3.1765	2.7972	-0.0026	5.9711	-0.0324	0.0409	0.005	0.0134
286	10.8	10.5	3.1746	2.7972	-0.0027	5.9691	-0.0182	0.044	0.005	0.0309
287	10.6	10.6	3.1737	2.7971	-0.0026	5.9681	-0.0225	0.044	0.0051	0.0265

288	10.8	10.5	3.1729	2.7972	-0.0026	5.9675	-0.0295	0.0503	0.0065	0.0272
289	10.4	10.5	3.1724	2.7973	-0.0026	5.9671	-0.0226	0.0524	0.008	0.0378
290	10.7	10.5	3.1716	2.7973	-0.0025	5.9664	-0.0177	0.0553	0.0075	0.0451
291	11	10.5	3.1711	2.7968	-0.0024	5.9654	-0.0064	0.0548	0.0071	0.0555
292	10.5	10.4	3.1724	2.7964	-0.0024	5.9663	0.0095	0.0498	0.0064	0.0656
293	10.6	10.4	3.1731	2.7962	-0.0025	5.9668	0.0219	0.0511	0.0066	0.0797
294	9.89	10.4	3.1735	2.796	-0.0024	5.9671	0.0136	0.0482	0.0061	0.0679
295	10.1	10.3	3.1742	2.7956	-0.0023	5.9675	-0.0151	0.0466	0.0077	0.0392
296	10.6	10.3	3.1752	2.7956	-0.0023	5.9685	-0.0296	0.0557	0.0091	0.0351
297	10.3	10.3	3.1757	2.7957	-0.0023	5.9691	-0.0317	0.0583	0.0099	0.0365
298	10.3	10.2	3.1764	2.7952	-0.0023	5.9693	-0.028	0.061	0.0086	0.0416
299	10.3	10.2	3.178	2.7953	-0.0024	5.9709	-0.0255	0.0551	0.007	0.0367
300	10.2	10.2	3.1798	2.7953	-0.0023	5.9728	-0.0246	0.0543	0.0075	0.0372
301	9.89	10.1	3.1817	2.7954	-0.0023	5.9748	-0.0324	0.0515	0.0086	0.0277
302	9.79	10.1	3.1826	2.7951	-0.0022	5.9755	-0.0431	0.048	0.0102	0.0151
303	9.26	10.1	3.1814	2.7953	-0.0024	5.9744	-0.0476	0.049	0.0104	0.0118
304	9.79	10.2	3.1799	2.7954	-0.0025	5.9728	-0.0483	0.0527	0.0109	0.0153
305	10.3	10.2	3.1786	2.7951	-0.0025	5.9712	-0.0534	0.0546	0.012	0.0131
306	10.1	10.2	3.1786	2.7948	-0.0025	5.9709	-0.0437	0.058	0.0101	0.0244
307	9.89	10.2	3.1797	2.7942	-0.0024	5.9715	-0.0314	0.0573	0.011	0.0368
308	10.2	10.1	3.1815	2.794	-0.0023	5.9733	-0.0228	0.0556	0.0114	0.0442
309	10.3	10.1	3.1831	2.794	-0.0023	5.9749	-0.0234	0.0522	0.0091	0.0379
310	10.3	10.1	3.1841	2.794	-0.0022	5.9758	-0.0277	0.0483	0.006	0.0266
311	10.2	10.1	3.1847	2.7941	-0.0022	5.9766	-0.0293	0.0473	0.005	0.023
312	10.5	10.1	3.1851	2.7943	-0.0023	5.9771	-0.0214	0.05	0.0054	0.0341
313	10.6	10.2	3.1856	2.7945	-0.0024	5.9777	-0.0057	0.0456	0.0076	0.0475
314	10.4	10.2	3.1862	2.7939	-0.0024	5.9777	0.0024	0.0409	0.0076	0.0509
315	10.3	10.2	3.1866	2.7938	-0.0023	5.9781	0.0036	0.037	0.0087	0.0494
316	10.5	10.2	3.1865	2.7939	-0.0024	5.978	0.0007	0.0353	0.0108	0.0469
317	9.76	10.2	3.1858	2.7942	-0.0025	5.9775	-0.0043	0.0311	0.0099	0.0367
318	10.2	10.1	3.1858	2.7942	-0.0025	5.9776	-0.0004	0.0314	0.0087	0.0397
319	9.99	10.1	3.1861	2.7941	-0.0025	5.9777	-0.0034	0.0316	0.0096	0.0378
320	10.1	10.1	3.1859	2.7942	-0.0026	5.9775	-0.0132	0.0378	0.0115	0.0361
321	10.2	10.1	3.1859	2.7943	-0.0026	5.9776	-0.0204	0.0431	0.011	0.0337
322	10.3	10	3.1858	2.7945	-0.0026	5.9777	-0.0379	0.0446	0.0124	0.0191
323	10	9.99	3.1847	2.7948	-0.0026	5.9768	-0.0483	0.0457	0.0135	0.0109
324	9.66	9.98	3.1838	2.795	-0.0025	5.9763	-0.0536	0.0507	0.0146	0.0117

325	9.79	9.96	3.1823	2.7953	-0.0025	5.9751	-0.0531	0.0534	0.0173	0.0176
326	9.87	9.92	3.1808	2.7951	-0.0025	5.9734	-0.0474	0.0573	0.0171	0.027
327	9.5	9.95	3.1802	2.7952	-0.0027	5.9727	-0.0433	0.0592	0.0199	0.0358
328	9.98	9.95	3.1799	2.7951	-0.0026	5.9724	-0.0421	0.0638	0.0201	0.0418
329	9.94	9.98	3.1798	2.7952	-0.0026	5.9724	-0.043	0.063	0.0141	0.0342
330	9.78	10	3.1798	2.7953	-0.0024	5.9726	-0.0468	0.0631	0.0104	0.0267
331	9.81	10	3.1793	2.7954	-0.0024	5.9723	-0.0506	0.0615	0.0078	0.0187
332	9.86	10	3.1786	2.7953	-0.0023	5.9715	-0.0551	0.0636	0.006	0.0145
333	10.1	10	3.1783	2.7951	-0.0024	5.9711	-0.0479	0.0579	0.0042	0.0142
334	9.92	10.1	3.1784	2.795	-0.0026	5.9708	-0.0491	0.0515	0.002	0.0044
335	9.82	10.1	3.1783	2.7949	-0.0026	5.9706	-0.0558	0.0551	0.0016	0.0009
336	10.2	10.2	3.1783	2.7951	-0.0026	5.9708	-0.0582	0.0474	0.0023	-0.0085
337	10.2	10.2	3.1785	2.7947	-0.0027	5.9705	-0.082	0.0487	0.0038	-0.0295
338	10.6	10.2	3.1781	2.7947	-0.0027	5.9701	-0.0997	0.0458	0.0041	-0.0497
339	10.5	10.2	3.1772	2.7945	-0.0027	5.969	-0.1115	0.0474	0.0016	-0.0624
340	10.4	10.2	3.176	2.7944	-0.0027	5.9677	-0.1263	0.0494	0.0009	-0.076
341	10.3	10.3	3.1756	2.7945	-0.0026	5.9675	-0.1337	0.0476	0.0023	-0.0838
342	10.5	10.3	3.1756	2.7943	-0.0027	5.9673	-0.1385	0.0412	0.0044	-0.0928
343	10.5	10.3	3.1767	2.7944	-0.0028	5.9683	-0.1271	0.0388	0.004	-0.0843
344	10.7	10.3	3.179	2.7942	-0.003	5.9702	-0.1227	0.0355	0.0032	-0.084
345	10.2	10.3	3.1798	2.7936	-0.003	5.9704	-0.122	0.0351	0.0044	-0.0826
346	10	10.3	3.1803	2.7933	-0.0029	5.9707	-0.119	0.0326	0.0066	-0.0799
347	10.3	10.3	3.1802	2.7932	-0.0029	5.9705	-0.1097	0.0299	0.0083	-0.0714
348	9.83	10.3	3.1803	2.7935	-0.0028	5.971	-0.1038	0.0286	0.009	-0.0662
349	10.5	10.3	3.1799	2.7934	-0.0028	5.9704	-0.0931	0.0271	0.0095	-0.0565
350	10.4	10.3	3.1795	2.7933	-0.0028	5.97	-0.073	0.0336	0.0071	-0.0323
351	10.3	10.3	3.1794	2.7934	-0.0028	5.9699	-0.0447	0.0349	0.0066	-0.0033
352	10.4	10.2	3.1794	2.7934	-0.0028	5.9699	-0.0245	0.0372	0.0071	0.0198
353	10.2	10.2	3.1796	2.793	-0.0028	5.9698	-0.0127	0.0322	0.0088	0.0282
354	10.1	10.1	3.1802	2.7927	-0.0028	5.9702	-0.0212	0.0334	0.0073	0.0195
355	10.2	10.1	3.1802	2.7929	-0.0027	5.9704	-0.0362	0.0307	0.0069	0.0014
356	10.3	10.1	3.1797	2.7926	-0.0028	5.9695	-0.0495	0.0275	0.0085	-0.0135
357	9.67	10.1	3.1793	2.7925	-0.0029	5.9689	-0.0493	0.0257	0.0098	-0.0138
358	10.2	10.1	3.1797	2.7928	-0.0029	5.9697	-0.0381	0.0161	0.0105	-0.0114
359	10.4	10	3.1801	2.793	-0.0028	5.9702	-0.0194	0.01	0.0118	0.0024
360	10.2	10	3.1801	2.7931	-0.0028	5.9704	-0.0014	0.0067	0.0134	0.0187
361	9.85	9.96	3.1795	2.7932	-0.0028	5.9698	0.0087	0.0076	0.013	0.0294

362	9.69	9.91	3.1791	2.7936	-0.0029	5.9697	0.0135	0.0048	0.0129	0.0312
363	9.37	9.89	3.1787	2.794	-0.0028	5.97	0.0198	0.0078	0.0112	0.0388
364	10.1	9.88	3.1791	2.7942	-0.0028	5.9706	0.031	0.0104	0.0107	0.0521
365	10.1	9.84	3.1798	2.794	-0.0029	5.9709	0.0376	0.0064	0.0124	0.0564
366	9.92	9.8	3.1798	2.7941	-0.0028	5.9711	0.0416	0.0075	0.0134	0.0625
367	9.59	9.79	3.1792	2.794	-0.0028	5.9704	0.0413	0.011	0.0118	0.0641
368	9.49	9.77	3.179	2.794	-0.0029	5.97	0.0374	0.0183	0.0103	0.0661
369	10	9.74	3.1795	2.7935	-0.0031	5.9699	0.0432	0.022	0.01	0.0752
370	9.55	9.72	3.1797	2.7932	-0.0031	5.9698	0.0549	0.0215	0.0086	0.085
371	9.49	9.72	3.1802	2.7932	-0.0031	5.9703	0.0605	0.0191	0.009	0.0886
372	9.76	9.73	3.1808	2.7931	-0.0031	5.9708	0.055	0.0187	0.01	0.0838
373	9.81	9.76	3.1813	2.7926	-0.0033	5.9706	0.0453	0.0223	0.0109	0.0785
374	9.54	9.74	3.1812	2.7928	-0.0034	5.9705	0.0317	0.0252	0.0098	0.0667
375	9.46	9.72	3.1805	2.7925	-0.0035	5.9695	0.0234	0.0311	0.009	0.0635
376	9.54	9.72	3.1799	2.7922	-0.0037	5.9684	0.0051	0.0418	0.0074	0.0543
377	9.78	9.74	3.1798	2.7919	-0.0037	5.968	-0.0118	0.0467	0.0072	0.042
378	9.92	9.76	3.1792	2.792	-0.0034	5.9678	-0.0213	0.0501	0.004	0.0328
379	9.87	9.74	3.1794	2.7919	-0.0032	5.9681	-0.0305	0.0483	0.0026	0.0204
380	9.76	9.74	3.18	2.7921	-0.0031	5.969	-0.0371	0.0458	0.0016	0.0103
381	9.92	9.75	3.1804	2.7918	-0.0031	5.9691	-0.0433	0.0464	0.0016	0.0047
382	9.91	9.76	3.1802	2.7919	-0.0029	5.9692	-0.0543	0.0472	0.001	-0.006
383	9.63	9.78	3.1806	2.7921	-0.0027	5.97	-0.0645	0.0447	-0.0002	-0.0199
384	9.76	9.79	3.1815	2.792	-0.0027	5.9708	-0.0712	0.0407	0.0003	-0.0301
385	9.86	9.82	3.1824	2.7925	-0.0028	5.972	-0.0835	0.0376	-0.0003	-0.0463
386	10	9.86	3.1828	2.7923	-0.0031	5.9721	-0.1038	0.0373	0.0006	-0.0658
387	9.84	9.88	3.1836	2.7925	-0.003	5.9731	-0.1083	0.0357	-0.0006	-0.0731
388	9.63	9.9	3.184	2.7925	-0.0028	5.9737	-0.1075	0.0305	-0.0031	-0.08
389	9.47	9.93	3.185	2.7924	-0.0027	5.9747	-0.1127	0.032	-0.0046	-0.0853
390	9.72	9.98	3.185	2.7925	-0.0027	5.9748	-0.1201	0.0298	-0.0043	-0.0946
391	10.1	9.96	3.1849	2.7926	-0.0029	5.9747	-0.1225	0.0259	-0.0035	-0.1001
392	10.1	9.96	3.1851	2.7925	-0.0028	5.9748	-0.1033	0.0284	-0.0021	-0.0769
393	9.7	10	3.1853	2.7927	-0.0028	5.9752	-0.0969	0.0244	-0.0006	-0.0732
394	10	9.99	3.1857	2.7925	-0.0028	5.9753	-0.0709	0.025	-0.0019	-0.0478
395	10.3	9.99	3.1861	2.7923	-0.003	5.9755	-0.0399	0.0198	-0.0049	-0.025
396	10.1	9.99	3.1861	2.7926	-0.0031	5.9756	-0.0241	0.0156	-0.0057	-0.0142
397	10.4	10	3.1861	2.7928	-0.0032	5.9757	-0.0153	0.013	-0.0044	-0.0067
398	10.4	10	3.1858	2.7925	-0.0033	5.9749	-0.0114	0.0115	-0.0044	-0.0043

399	10.6	10	3.1853	2.7919	-0.0031	5.9741	-0.0029	0.0148	-0.003	0.0089
400	9.65	10	3.1843	2.7918	-0.003	5.9731	-0.0029	0.0117	-0.0023	0.0064
401	9.93	10	3.1842	2.7916	-0.003	5.9728	-0.0058	0.0115	-0.002	0.0037
402	10.3	10	3.1839	2.7919	-0.0031	5.9727	-0.0078	0.0088	-0.0033	-0.0023
403	9.69	10.1	3.1835	2.792	-0.0031	5.9724	-0.0025	0.0133	-0.0034	0.0075
404	9.82	10.1	3.1835	2.7923	-0.0032	5.9726	-0.0009	0.0092	-0.004	0.0043
405	10	10.1	3.1835	2.7923	-0.0034	5.9725	0.0052	0.0022	-0.0049	0.0024
406	10	10.1	3.1836	2.7922	-0.0035	5.9723	0.0039	0.0003	-0.0025	0.0016
407	9.69	10.1	3.1835	2.7926	-0.0034	5.9726	0.0009	-0.0027	-0.001	-0.0028
408	9.47	10.1	3.1835	2.793	-0.0035	5.973	-0.0053	-0.0008	-0.0016	-0.0078
409	10.2	10.1	3.1832	2.7934	-0.0036	5.973	-0.0064	0.0036	0.0001	-0.0027
410	10.1	10.1	3.1832	2.7932	-0.0035	5.9729	-0.0119	0.0078	0.0014	-0.0026
411	9.8	10.1	3.1834	2.7936	-0.0035	5.9735	-0.0196	0.011	-0.0003	-0.0089
412	10.4	10.1	3.1832	2.7935	-0.0034	5.9733	-0.0284	0.0109	-0.0022	-0.0196
413	10.5	10.1	3.1825	2.7934	-0.0035	5.9725	-0.0374	0.0103	-0.003	-0.0301
414	10.5	10.1	3.1824	2.7933	-0.0036	5.9721	-0.0407	0.0085	-0.0018	-0.034
415	10.6	10.2	3.1825	2.7931	-0.0037	5.9719	-0.0365	0.014	-0.0027	-0.0252
416	10.3	10.2	3.1824	2.7928	-0.0036	5.9716	-0.0229	0.012	-0.0017	-0.0126
417	9.98	10.2	3.1821	2.7923	-0.0035	5.9709	-0.0209	0.0099	-0.0001	-0.0111
418	10.4	10.2	3.1815	2.792	-0.0035	5.97	-0.0263	0.0081	0.0006	-0.0176
419	10.5	10.2	3.1806	2.792	-0.0034	5.9692	-0.0278	0.006	0.0012	-0.0206
420	9.89	10.2	3.1798	2.7923	-0.0035	5.9686	-0.0228	0.0027	0	-0.0201
421	10.2	10.2	3.1804	2.7924	-0.0036	5.9692	-0.02	0.002	0.0006	-0.0175
422	9.76	10.3	3.1812	2.7923	-0.0037	5.9699	-0.0131	0.0035	0.001	-0.0086
423	10.3	10.3	3.1815	2.7923	-0.0036	5.9702	-0.0072	0.0045	0.0013	-0.0014
424	10.6	10.3	3.1815	2.7919	-0.0034	5.97	0	0.0037	0.0013	0.005
425	10.3	10.3	3.1818	2.7911	-0.0032	5.9697	0.0056	0.0047	-0.0012	0.0091
426	9.88	10.3	3.182	2.7904	-0.0032	5.9692	-0.003	0.0016	-0.003	-0.0043
427	10	10.3	3.1824	2.7901	-0.0031	5.9694	-0.0173	0.0006	-0.0047	-0.0214
428	10	10.2	3.1829	2.7902	-0.0029	5.9703	-0.0276	0.0008	-0.0048	-0.0316
429	10.3	10.2	3.1835	2.7906	-0.0027	5.9714	-0.0379	0.0005	-0.0009	-0.0383
430	10.3	10.2	3.1841	2.7906	-0.0026	5.9721	-0.0412	0.0033	0.0008	-0.0372
431	10.8	10.1	3.1847	2.7907	-0.0025	5.9729	-0.0342	0.01	0.0015	-0.0227
432	10.5	10.1	3.185	2.7908	-0.0023	5.9735	-0.0305	0.0107	0.0023	-0.0175
433	10.7	10.1	3.1854	2.791	-0.0024	5.9741	-0.0364	0.0139	0.0045	-0.0179
434	10.4	9.99	3.1867	2.7913	-0.0025	5.9754	-0.0317	0.0168	0.0055	-0.0094
435	10.3	9.94	3.1887	2.7912	-0.0027	5.9772	-0.0188	0.0184	0.0037	0.0033

436	10.1	9.94	3.1892	2.7915	-0.0026	5.9781	-0.0103	0.0265	0.0035	0.0197
437	9.45	9.94	3.1892	2.7916	-0.0024	5.9785	-0.0127	0.0221	0.0014	0.0109
438	9.55	9.92	3.1894	2.7915	-0.0022	5.9786	-0.0064	0.0274	0.0029	0.0239
439	9.71	9.89	3.1892	2.7915	-0.0023	5.9785	-0.0009	0.0315	0.0052	0.0358
440	9.41	9.85	3.1883	2.7918	-0.0023	5.9777	0.0054	0.0271	0.007	0.0395
441	9.56	9.78	3.1859	2.7916	-0.0024	5.9752	0.0051	0.0251	0.0067	0.037
442	9.37	9.74	3.1853	2.7919	-0.0026	5.9746	0.0067	0.0269	0.0047	0.0383
443	9.16	9.7	3.1837	2.7919	-0.0026	5.9731	0.0106	0.0217	0.0056	0.0379
444	9.36	9.69	3.183	2.7922	-0.0025	5.9727	0.0137	0.023	0.0067	0.0434
445	9.92	9.66	3.1822	2.7921	-0.0024	5.9718	0.0151	0.0197	0.0066	0.0414
446	9.92	9.67	3.1818	2.792	-0.0025	5.9714	0.0226	0.0174	0.0072	0.0473
447	9.73	9.73	3.1814	2.792	-0.0024	5.9709	0.0214	0.0232	0.0057	0.0503
448	9.67	9.75	3.1806	2.792	-0.0025	5.9701	0.0266	0.0307	0.0059	0.0632
449	9.56	9.77	3.1802	2.7922	-0.0026	5.9698	0.0326	0.0242	0.0041	0.061
450	9.59	9.82	3.1801	2.7922	-0.0026	5.9697	0.0379	0.0217	0.0059	0.0655
451	9.73	9.85	3.1802	2.7925	-0.0025	5.9702	0.0262	0.0208	0.007	0.054
452	9.91	9.89	3.1796	2.792	-0.0025	5.9692	0.0247	0.0234	0.0054	0.0535
453	10.1	9.96	3.1797	2.7921	-0.0024	5.9694	0.023	0.0294	0.003	0.0554
454	9.8	10	3.1797	2.7925	-0.0023	5.9699	0.0179	0.0327	0.0016	0.0523
455	10.3	10	3.1798	2.7928	-0.0025	5.9702	0.0169	0.0355	-0.0007	0.0518
456	10.5	10	3.1796	2.7929	-0.0027	5.9698	0.0131	0.0354	-0.0025	0.0459
457	9.97	10	3.1799	2.7926	-0.0027	5.9697	0.0019	0.0301	-0.0007	0.0313
458	10.1	10.1	3.1804	2.7925	-0.0029	5.9699	-0.0044	0.0304	-0.0004	0.0256
459	10.4	10.1	3.1813	2.7922	-0.0029	5.9705	-0.0038	0.0336	-0.002	0.0278
460	10.1	10.1	3.182	2.792	-0.0028	5.9713	-0.0039	0.0393	-0.0036	0.0317
461	10.3	10.2	3.1824	2.7921	-0.0026	5.9718	-0.0039	0.0386	-0.0024	0.0323
462	10.4	10.2	3.1828	2.7925	-0.0026	5.9727	-0.0056	0.0424	-0.0024	0.0344
463	10.4	10.2	3.1828	2.7932	-0.0026	5.9734	-0.0078	0.0391	-0.0022	0.029
464	10.3	10.3	3.1828	2.7928	-0.0025	5.9731	-0.0122	0.0337	-0.0036	0.0179
465	9.54	10.3	3.1821	2.7928	-0.0027	5.9722	-0.0119	0.0291	-0.0046	0.0126
466	10.3	10.2	3.1819	2.7931	-0.0028	5.9722	-0.0115	0.0257	-0.0037	0.0106
467	10.7	10.2	3.1818	2.7932	-0.0029	5.9722	-0.0082	0.0272	-0.0039	0.0151
468	10	10.2	3.1817	2.7934	-0.003	5.9721	-0.0134	0.0222	-0.0044	0.0044
469	10.1	10.2	3.1818	2.7933	-0.0031	5.972	-0.0198	0.0162	-0.0049	-0.0085
470	10.5	10.2	3.1817	2.793	-0.0032	5.9715	-0.0282	0.0162	-0.0031	-0.0151
471	10.5	10.2	3.1815	2.7929	-0.0032	5.9711	-0.0337	0.0199	-0.0036	-0.0175
472	10.3	10.2	3.1816	2.7927	-0.0033	5.9709	-0.0293	0.0193	-0.0036	-0.0136

473	10.5	10.2	3.1813	2.7923	-0.0034	5.9701	-0.027	0.018	-0.0053	-0.0144
474	10.2	10.2	3.1806	2.7923	-0.0033	5.9696	-0.0282	0.0201	-0.0052	-0.0133
475	10.2	10.2	3.1808	2.7923	-0.0032	5.9699	-0.0281	0.0106	-0.0024	-0.0198
476	9.92	10.2	3.1816	2.7922	-0.0032	5.9706	-0.0201	0.0009	-0.0004	-0.0196
477	9.99	10.2	3.1826	2.7918	-0.0032	5.9712	-0.0126	-0.0081	0.0004	-0.0204
478	10.4	10.2	3.183	2.7919	-0.0033	5.9716	-0.0074	-0.0068	0.0012	-0.0129
479	9.91	10.2	3.1835	2.7916	-0.0033	5.9718	-0.0043	-0.0065	0.0044	-0.0064
480	10.2	10.2	3.1835	2.7911	-0.0032	5.9713	0.0054	-0.0017	0.006	0.0097
481	10.4	10.1	3.1835	2.7907	-0.0033	5.9709	0.014	-0.0014	0.0084	0.021
482	10.3	10.1	3.1838	2.7905	-0.0034	5.971	0.0176	-0.002	0.011	0.0266
483	9.87	10.1	3.1838	2.7904	-0.0032	5.9709	0.0169	-0.0005	0.0129	0.0294
484	10.1	10.1	3.1834	2.7901	-0.003	5.9705	0.0183	0.0035	0.0119	0.0336
485	10	10.1	3.1834	2.7898	-0.0032	5.97	0.0311	0.0102	0.0093	0.0505
486	10	10.1	3.1841	2.7901	-0.0032	5.971	0.0515	0.0131	0.0081	0.0727
487	9.84	10.1	3.1843	2.7897	-0.0033	5.9707	0.0606	0.0152	0.0094	0.0852
488	10.3	10.1	3.1841	2.7893	-0.0033	5.9701	0.0639	0.0138	0.0129	0.0905
489	10.1	10	3.1845	2.7897	-0.0034	5.9708	0.0636	0.0167	0.0136	0.094
490	9.95	10	3.1845	2.79	-0.0034	5.9711	0.0618	0.0138	0.0133	0.0889
491	10.2	10	3.1842	2.79	-0.0033	5.9709	0.0529	0.0183	0.0128	0.084
492	10.2	10	3.184	2.7903	-0.0034	5.971	0.0284	0.0095	0.0111	0.049
493	9.82	10	3.184	2.7904	-0.0035	5.9709	0.0177	0.0084	0.0094	0.0354
494	10.1	10.1	3.1842	2.7905	-0.0035	5.9712	-0.0021	0.0093	0.011	0.0183
495	10.2	10.1	3.1838	2.7906	-0.0037	5.9708	-0.013	0.0129	0.0137	0.0136
496	9.44	10.1	3.184	2.7903	-0.0037	5.9706	-0.0229	0.0127	0.0166	0.0064
497	10.1	10.1	3.1834	2.7897	-0.0038	5.9694	-0.0265	0.0127	0.0188	0.0051
498	9.55	10.1	3.1825	2.79	-0.0037	5.9688	-0.0257	0.0154	0.0195	0.0093
499	9.67	10.1	3.1815	2.7898	-0.0037	5.9676	-0.0293	0.0205	0.0172	0.0084
500	10.3	10.1	3.1817	2.7897	-0.0037	5.9677	-0.0283	0.0259	0.0154	0.0129
501	10.5	10.1	3.1817	2.7893	-0.0036	5.9675	-0.023	0.0253	0.0131	0.0154
502	10.5	10.1	3.1816	2.789	-0.0034	5.9672	-0.022	0.0258	0.0147	0.0185
503	10.5	10.2	3.1817	2.7887	-0.0033	5.9672	-0.0268	0.0206	0.0143	0.008
504	9.97	10.2	3.1818	2.7888	-0.0031	5.9675	-0.0281	0.024	0.016	0.0119
505	10	10.2	3.1822	2.7888	-0.0031	5.9679	-0.0289	0.0292	0.0164	0.0168
506	10.1	10.2	3.1834	2.7892	-0.0034	5.9692	-0.0244	0.0345	0.015	0.0251
507	10.4	10.2	3.1839	2.7895	-0.0034	5.97	-0.0234	0.0384	0.0124	0.0274
508	10.3	10.2	3.1839	2.7897	-0.0033	5.9702	-0.022	0.0407	0.0109	0.0296
509	10.4	10.2	3.1836	2.7894	-0.0032	5.9698	-0.0196	0.0414	0.0074	0.0292

510	10.2	10.2	3.1836	2.7893	-0.0033	5.9697	-0.0132	0.037	0.0047	0.0285
511	10.5	10.1	3.1839	2.7894	-0.0032	5.9701	-0.0089	0.0293	0.0053	0.0257
512	10.3	10.1	3.1839	2.7896	-0.0032	5.9704	-0.0179	0.0292	0.007	0.0183
513	10.3	10.1	3.1838	2.7901	-0.0031	5.9707	-0.0166	0.0292	0.0086	0.0213
514	10	10.1	3.1836	2.7904	-0.0032	5.9708	-0.0133	0.0362	0.0058	0.0288
515	9.6	10.1	3.1836	2.7905	-0.0033	5.9708	-0.0072	0.0356	0.0035	0.0319
516	10	10.1	3.1832	2.7901	-0.0032	5.9701	-0.0168	0.0384	0.0014	0.023
517	10.2	10	3.1834	2.7901	-0.0031	5.9704	-0.0228	0.0416	-0.0008	0.0181
518	9.75	9.99	3.1835	2.7904	-0.003	5.9709	-0.0301	0.0416	-0.0033	0.0082
519	9.84	9.97	3.1834	2.7904	-0.0031	5.9707	-0.0352	0.0434	-0.0062	0.0021
520	9.8	9.95	3.1832	2.7903	-0.0031	5.9704	-0.0341	0.0417	-0.0079	-0.0003
521	9.75	9.91	3.1834	2.7905	-0.0032	5.9706	-0.0391	0.0387	-0.0076	-0.0079
522	10.2	9.88	3.1839	2.7905	-0.0032	5.9713	-0.0404	0.0367	-0.0079	-0.0116
523	9.81	9.87	3.1843	2.7902	-0.0031	5.9715	-0.0403	0.035	-0.0081	-0.0134
524	9.99	9.88	3.1843	2.7908	-0.0032	5.9719	-0.0416	0.0259	-0.0113	-0.027
525	9.75	9.92	3.1838	2.791	-0.0032	5.9717	-0.0449	0.0239	-0.0117	-0.0327
526	9.84	9.93	3.1833	2.7913	-0.0033	5.9712	-0.0368	0.0236	-0.0096	-0.0228
527	9.71	9.91	3.1831	2.7908	-0.0032	5.9707	-0.0183	0.0216	-0.0085	-0.0052
528	9.9	9.91	3.1834	2.7909	-0.0033	5.971	-0.0036	0.0154	-0.0076	0.0042
529	9.79	9.92	3.183	2.7908	-0.0033	5.9704	-0.0001	0.0109	-0.0073	0.0035
530	9.67	9.94	3.1827	2.7907	-0.0034	5.97	0.0064	0.0077	-0.0074	0.0067
531	9.84	9.98	3.1829	2.7909	-0.0036	5.9702	0.0101	0.0049	-0.0075	0.0076
532	9.95	9.97	3.1833	2.7909	-0.0036	5.9706	0.0106	0.0013	-0.009	0.0028
533	10.2	9.96	3.1836	2.7907	-0.0036	5.9707	0.0216	-0.0007	-0.0077	0.0133
534	10.5	9.96	3.1836	2.7902	-0.0035	5.9704	0.0245	-0.002	-0.0065	0.016
535	10.2	9.96	3.1835	2.7899	-0.0035	5.9699	0.0266	-0.0061	-0.0037	0.0168
536	9.92	9.96	3.1831	2.79	-0.0035	5.9696	0.0376	-0.0124	-0.0032	0.0221
537	9.71	9.97	3.1828	2.7903	-0.0037	5.9694	0.0491	-0.0117	-0.0016	0.0358
538	10	9.98	3.183	2.7898	-0.0036	5.9692	0.0527	-0.0131	-0.0015	0.0382
539	10.2	9.96	3.183	2.7902	-0.0036	5.9696	0.0593	-0.0149	-0.0006	0.0438
540	10.4	9.96	3.183	2.7899	-0.0036	5.9694	0.0733	-0.0081	-0.001	0.0641
541	10	10	3.1831	2.7907	-0.0035	5.9703	0.0807	-0.0039	-0.001	0.0758
542	9.73	10	3.1835	2.7911	-0.0035	5.971	0.085	0.001	-0.0005	0.0855
543	9.94	9.99	3.1839	2.791	-0.0037	5.9713	0.0821	0.005	-0.0016	0.0856
544	9.81	9.97	3.1843	2.7909	-0.0039	5.9714	0.0752	0.0089	-0.0028	0.0813
545	9.85	9.97	3.1845	2.7908	-0.0041	5.9712	0.0724	0.014	-0.004	0.0824
546	9.77	9.98	3.1845	2.7907	-0.0043	5.9709	0.0639	0.0179	-0.0055	0.0763

547	10.1	10	3.1839	2.7905	-0.0044	5.97	0.052	0.0179	-0.0054	0.0645
548	9.41	10	3.1835	2.7899	-0.0042	5.9693	0.0409	0.0153	-0.0064	0.0498
549	9.76	10	3.183	2.7896	-0.0041	5.9685	0.0318	0.0186	-0.005	0.0454
550	10.6	10	3.1824	2.7896	-0.0039	5.9681	0.0223	0.0139	-0.0043	0.0318
551	9.99	10	3.1824	2.7899	-0.004	5.9683	0.015	0.0123	-0.0025	0.0249
552	10.1	10	3.1823	2.79	-0.0039	5.9684	0.007	0.0115	0.0003	0.0188
553	10.1	10	3.1825	2.7897	-0.004	5.9682	0.0021	0.0115	0.002	0.0156
554	10	10	3.1826	2.7896	-0.004	5.9683	0.0024	0.0124	0.0054	0.0202
555	10.2	10	3.1823	2.7894	-0.004	5.9677	0.005	0.0135	0.008	0.0266
556	10.4	10.1	3.182	2.789	-0.0039	5.9671	0.0087	0.0122	0.0104	0.0314
557	10	10.1	3.182	2.7885	-0.0038	5.9668	0.0193	0.0175	0.0097	0.0466
558	10.2	10.1	3.1823	2.7883	-0.0036	5.967	0.0288	0.0222	0.0115	0.0625
559	10.1	10.1	3.1826	2.7885	-0.0034	5.9677	0.0331	0.0266	0.0137	0.0734
560	10.3	10	3.1829	2.7891	-0.0033	5.9687	0.036	0.0298	0.013	0.0787
561	9.9	9.96	3.1841	2.7892	-0.0033	5.97	0.0396	0.0304	0.0114	0.0813
562	10	9.93	3.1845	2.7896	-0.0035	5.9706	0.0467	0.0328	0.0108	0.0903
563	9.99	9.93	3.1841	2.7895	-0.0032	5.9705	0.0517	0.0334	0.012	0.0971
564	9.66	9.96	3.1835	2.7892	-0.0029	5.9699	0.0468	0.0387	0.013	0.0984
565	10.3	9.98	3.1837	2.789	-0.0028	5.9699	0.0453	0.0425	0.0134	0.1013
566	10.1	9.95	3.1842	2.7889	-0.0027	5.9704	0.0474	0.044	0.0161	0.1075
567	9.74	9.93	3.1848	2.789	-0.0025	5.9714	0.0462	0.04	0.0165	0.1027
568	9.53	9.94	3.1853	2.789	-0.0024	5.9719	0.0484	0.0375	0.0153	0.1012
569	9.48	9.95	3.1852	2.7891	-0.0023	5.972	0.0487	0.0443	0.0144	0.1074
570	9.13	9.96	3.1856	2.7891	-0.0024	5.9723	0.0453	0.0458	0.0125	0.1035
571	9.52	9.99	3.1855	2.7892	-0.0024	5.9723	0.0395	0.0456	0.0117	0.0968
572	10.1	9.98	3.1856	2.7892	-0.0025	5.9723	0.0376	0.0511	0.0099	0.0985
573	10.6	9.97	3.1854	2.7897	-0.0023	5.9728	0.0393	0.0546	0.0097	0.1036
574	10.6	9.99	3.1851	2.7899	-0.0021	5.9729	0.0403	0.0481	0.0113	0.0996
575	9.83	9.95	3.1845	2.7899	-0.0022	5.9722	0.038	0.0512	0.0113	0.1005
576	9.76	9.97	3.1834	2.79	-0.0024	5.9711	0.0343	0.0532	0.0111	0.0986
577	10.3	9.98	3.1829	2.7903	-0.0025	5.9708	0.0291	0.0549	0.0111	0.0951
578	10.4	10	3.183	2.7909	-0.0026	5.9713	0.0321	0.0527	0.0122	0.097
579	10.4	10	3.1829	2.7908	-0.0025	5.9712	0.0418	0.0553	0.0099	0.107
580	10.3	10.1	3.1824	2.7906	-0.0025	5.9706	0.0408	0.0522	0.0054	0.0985
581	9.84	10.1	3.1824	2.7906	-0.0024	5.9706	0.0408	0.048	0.003	0.0917
582	9.9	10.1	3.1817	2.7906	-0.0026	5.9697	0.0427	0.0459	-0.0002	0.0884
583	9.94	10.1	3.1813	2.7906	-0.0026	5.9693	0.0449	0.0422	-0.0038	0.0832

584	9.72	10.1	3.1807	2.7908	-0.0027	5.9688	0.0383	0.0384	-0.0066	0.0701
585	10.3	10.2	3.1796	2.791	-0.0029	5.9678	0.0276	0.0359	-0.0066	0.0569
586	10.1	10.2	3.1792	2.7913	-0.003	5.9674	0.0117	0.0268	-0.0086	0.0298
587	9.99	10.2	3.179	2.791	-0.0032	5.9669	0.0006	0.0192	-0.0098	0.01
588	9.91	10.2	3.1782	2.7908	-0.0033	5.9657	-0.0091	0.0148	-0.0076	-0.0019
589	10.4	10.2	3.1771	2.7905	-0.0033	5.9643	-0.0083	0.0117	-0.0058	-0.0023
590	10.4	10.2	3.1764	2.7904	-0.0033	5.9635	-0.0063	0.0163	-0.0047	0.0053
591	10.1	10.2	3.1758	2.7899	-0.0033	5.9623	-0.0074	0.0127	-0.0025	0.0027
592	10.3	10.2	3.1758	2.7898	-0.0032	5.9624	-0.0077	0.0217	0.0011	0.0151
593	10.6	10.2	3.1765	2.7895	-0.0032	5.9627	-0.0069	0.0238	0.0016	0.0185
594	10.4	10.3	3.1769	2.7891	-0.0031	5.963	-0.006	0.0256	-0.0014	0.0182
595	10.2	10.3	3.1775	2.7888	-0.0031	5.9631	-0.0027	0.0267	-0.0035	0.0205
596	10.3	10.3	3.1788	2.7885	-0.0032	5.9642	-0.0039	0.0233	-0.0059	0.0135
597	10.1	10.3	3.1793	2.7882	-0.0031	5.9644	-0.0053	0.0252	-0.0104	0.0096
598	10.4	10.4	3.1793	2.7882	-0.0032	5.9643	-0.012	0.0196	-0.0101	-0.0025
599	10.6	10.4	3.1793	2.7884	-0.0033	5.9644	-0.0199	0.0147	-0.0094	-0.0146
600	10.3	10.4	3.1802	2.7885	-0.0035	5.9652	-0.0268	0.0118	-0.0093	-0.0243
601	10.2	10.4	3.181	2.7882	-0.0036	5.9656	-0.0354	0.013	-0.0081	-0.0304
602	10	10.4	3.1814	2.7878	-0.0036	5.9656	-0.0366	0.0202	-0.0084	-0.0248
603	10.4	10.4	3.1815	2.7875	-0.0038	5.9652	-0.0367	0.0187	-0.0073	-0.0252
604	10.6	10.4	3.1813	2.7874	-0.0039	5.9648	-0.0302	0.0167	-0.008	-0.0214
605	10.7	10.4	3.1814	2.7876	-0.0041	5.9648	-0.0269	0.0174	-0.0097	-0.0192
606	10.8	10.3	3.1814	2.7874	-0.0044	5.9645	-0.031	0.0157	-0.0106	-0.0259
607	10.6	10.3	3.181	2.7873	-0.0045	5.9638	-0.0298	0.0124	-0.0113	-0.0286
608	10.2	10.3	3.1806	2.787	-0.0046	5.9629	-0.0236	0.0103	-0.0093	-0.0226
609	10.5	10.3	3.18	2.7865	-0.0045	5.962	-0.0202	-0.0029	-0.0063	-0.0295
610	10.7	10.2	3.1796	2.7863	-0.0044	5.9615	-0.0137	-0.002	-0.0042	-0.0199
611	10.3	10.2	3.1793	2.7861	-0.0043	5.961	-0.0019	0.005	-0.0025	0.0007
612	10.3	10.2	3.1788	2.7863	-0.0044	5.9606	0.0169	0.0048	-0.0005	0.0212
613	10.1	10.1	3.1791	2.7862	-0.0044	5.9609	0.0219	0.0089	0.0003	0.0311
614	9.84	10.1	3.1791	2.7861	-0.0045	5.9607	0.0146	0.0116	0.0053	0.0315
615	9.84	10	3.1789	2.7861	-0.0049	5.96	0.0066	0.011	0.0094	0.0271
616	9.91	9.94	3.1786	2.7861	-0.0049	5.9599	0.0116	0.0112	0.0102	0.033
617	9.69	9.9	3.1786	2.7864	-0.0046	5.9603	0.0184	0.0138	0.0118	0.0439
618	10	9.88	3.1786	2.786	-0.0045	5.9601	0.0246	0.0118	0.0146	0.051
619	9.68	9.84	3.1789	2.7858	-0.0043	5.9604	0.0285	0.0142	0.0138	0.0565
620	9.56	9.77	3.1792	2.7857	-0.0043	5.9607	0.0238	0.013	0.0148	0.0516

621	9.59	9.72	3.1796	2.7854	-0.0042	5.9607	0.0238	0.015	0.0129	0.0516
622	9.34	9.65	3.18	2.785	-0.0041	5.9609	0.0226	0.0167	0.0119	0.0512
623	9.61	9.6	3.1803	2.7854	-0.0042	5.9615	0.0238	0.0187	0.0117	0.0542
624	9.8	9.59	3.1805	2.7857	-0.0043	5.9619	0.0203	0.0228	0.0145	0.0576
625	9.43	9.58	3.1804	2.7857	-0.0043	5.9618	0.019	0.0218	0.0168	0.0575
626	9.71	9.58	3.1804	2.7858	-0.0044	5.9617	0.0152	0.0191	0.0166	0.0509
627	9.87	9.56	3.1799	2.7855	-0.0044	5.961	0.0076	0.0212	0.0155	0.0443
628	9.74	9.51	3.1792	2.7854	-0.0043	5.9603	0.0032	0.0217	0.0169	0.0418
629	9.38	9.51	3.1789	2.7856	-0.0039	5.9606	0.0013	0.0303	0.0182	0.0498
630	9.35	9.51	3.1786	2.786	-0.0037	5.9609	-0.0024	0.0324	0.0198	0.0498
631	8.95	9.52	3.1787	2.7863	-0.0036	5.9614	-0.0029	0.0293	0.0211	0.0475
632	9.19	9.55	3.1788	2.7866	-0.0032	5.9623	-0.0065	0.0311	0.023	0.0475
633	9.64	9.58	3.1798	2.7869	-0.0029	5.9637	-0.0179	0.0357	0.0207	0.0385
634	9.55	9.59	3.1809	2.7866	-0.0028	5.9647	-0.0254	0.0355	0.0196	0.0298
635	9.86	9.6	3.1824	2.7872	-0.0026	5.9669	-0.0297	0.0376	0.018	0.0258
636	9.37	9.63	3.183	2.788	-0.0025	5.9686	-0.0381	0.0378	0.0153	0.0149
637	9.06	9.62	3.1837	2.7888	-0.0029	5.9696	-0.0452	0.0363	0.0129	0.004
638	9.66	9.66	3.1838	2.7886	-0.003	5.9694	-0.0514	0.0341	0.0122	-0.0051
639	9.65	9.68	3.1836	2.7885	-0.0031	5.969	-0.0571	0.0324	0.013	-0.0117
640	9.77	9.72	3.1837	2.7887	-0.0033	5.9691	-0.0648	0.0309	0.0139	-0.02
641	9.93	9.79	3.1839	2.7885	-0.0036	5.9687	-0.0719	0.031	0.013	-0.0279
642	10.1	9.82	3.1842	2.7887	-0.0037	5.9692	-0.0735	0.0347	0.0119	-0.0269
643	9.98	9.86	3.1845	2.7884	-0.0036	5.9694	-0.0731	0.0356	0.012	-0.0255
644	9.75	9.91	3.1846	2.7882	-0.0035	5.9693	-0.0677	0.0319	0.0121	-0.0237
645	10.2	9.94	3.1849	2.7885	-0.0035	5.9698	-0.0641	0.0327	0.0133	-0.0181
646	9.77	10	3.185	2.7882	-0.0033	5.9699	-0.0581	0.0271	0.0128	-0.0182
647	10.4	10.1	3.1851	2.7885	-0.0034	5.9702	-0.0415	0.0208	0.0114	-0.0094
648	9.72	10.1	3.1855	2.7885	-0.0033	5.9707	-0.034	0.0193	0.0115	-0.0032
649	10.2	10.1	3.1857	2.7884	-0.0032	5.9709	-0.0318	0.019	0.0103	-0.0025
650	10.2	10.2	3.1859	2.7883	-0.0031	5.9712	-0.0294	0.0151	0.0085	-0.0058
651	9.87	10.2	3.186	2.7879	-0.0031	5.9708	-0.0194	0.0121	0.0056	-0.0017
652	10.3	10.2	3.186	2.7881	-0.0032	5.9709	-0.0218	0.0115	0.0041	-0.0061
653	10.6	10.2	3.1855	2.788	-0.0032	5.9704	-0.0253	0.0026	0.0029	-0.0199
654	10.5	10.2	3.1853	2.7879	-0.003	5.9702	-0.0284	0.0043	0	-0.0241
655	10.5	10.3	3.1854	2.7878	-0.0029	5.9703	-0.0386	-0.0003	-0.0018	-0.0406
656	10.1	10.3	3.185	2.7878	-0.0028	5.9699	-0.0427	-0.0026	-0.0061	-0.0514
657	10.1	10.3	3.1844	2.7875	-0.0029	5.969	-0.0426	-0.0082	-0.0096	-0.0604

658	10.7	10.3	3.1844	2.7886	-0.003	5.97	-0.0484	-0.0085	-0.0125	-0.0694
659	10.5	10.4	3.184	2.7887	-0.003	5.9696	-0.0575	-0.0103	-0.0151	-0.083
660	10	10.4	3.1831	2.7886	-0.0031	5.9687	-0.069	-0.0146	-0.0135	-0.0972
661	10.5	10.4	3.1825	2.7887	-0.0033	5.9679	-0.0794	-0.02	-0.0144	-0.1138
662	10	10.4	3.1823	2.7887	-0.0035	5.9675	-0.0843	-0.0224	-0.0142	-0.1209
663	10.5	10.4	3.1827	2.7884	-0.0037	5.9673	-0.0844	-0.0224	-0.0119	-0.1187
664	10.6	10.4	3.1828	2.7881	-0.0038	5.9672	-0.0778	-0.0191	-0.012	-0.1089
665	10.2	10.4	3.1826	2.7879	-0.0039	5.9666	-0.0728	-0.0215	-0.0134	-0.1076
666	10.4	10.4	3.1823	2.7876	-0.0039	5.966	-0.0705	-0.0197	-0.0177	-0.1079
667	10.6	10.4	3.1824	2.7879	-0.004	5.9663	-0.0811	-0.0177	-0.0162	-0.1149
668	10.9	10.4	3.1824	2.7876	-0.0038	5.9662	-0.0871	-0.0107	-0.0129	-0.1106
669	10.5	10.4	3.1828	2.7878	-0.0038	5.9668	-0.0866	-0.0142	-0.0116	-0.1124
670	10.3	10.4	3.1832	2.7876	-0.0037	5.9671	-0.0789	-0.0146	-0.0121	-0.1056
671	10.4	10.4	3.1832	2.7875	-0.0036	5.9672	-0.07	-0.0156	-0.0141	-0.0997
672	10.5	10.5	3.1832	2.7873	-0.0036	5.9669	-0.0649	-0.0195	-0.0151	-0.0995
673	10.2	10.5	3.1834	2.7874	-0.0037	5.9671	-0.0609	-0.0164	-0.0124	-0.0897
674	9.9	10.5	3.1832	2.7877	-0.0038	5.9671	-0.0622	-0.0136	-0.0129	-0.0886
675	10.2	10.5	3.183	2.788	-0.0039	5.9671	-0.0561	-0.0112	-0.0127	-0.0801
676	10.8	10.5	3.1827	2.7879	-0.0039	5.9667	-0.0589	-0.0132	-0.0089	-0.081
677	10.1	10.5	3.1826	2.7881	-0.0041	5.9666	-0.0649	-0.0083	-0.0088	-0.082
678	10.4	10.4	3.1829	2.7878	-0.0044	5.9663	-0.0691	-0.0095	-0.0083	-0.0869
679	11	10.4	3.1831	2.7876	-0.0045	5.9662	-0.0687	-0.0068	-0.0065	-0.082
680	10.4	10.3	3.1827	2.7877	-0.0046	5.9658	-0.0658	0.0017	-0.0016	-0.0656
681	10.8	10.3	3.1831	2.7875	-0.0047	5.9658	-0.0617	0.0073	0.0007	-0.0537
682	10.8	10.3	3.1835	2.787	-0.0047	5.9658	-0.0528	0.0108	0.0025	-0.0395
683	10.4	10.3	3.1839	2.7871	-0.0046	5.9664	-0.047	0.0136	0.0082	-0.0252
684	10.6	10.3	3.1837	2.787	-0.0045	5.9662	-0.0338	0.0208	0.0125	-0.0005
685	10.1	10.3	3.1834	2.7873	-0.0044	5.9663	-0.0203	0.0155	0.0129	0.0081
686	10.2	10.2	3.1837	2.7876	-0.0043	5.967	-0.0052	0.0178	0.0159	0.0284
687	9.74	10.2	3.1841	2.7876	-0.0044	5.9674	0.0054	0.0256	0.0159	0.047
688	9.88	10.2	3.1839	2.7876	-0.0046	5.9669	0.0196	0.0336	0.0126	0.0658
689	9.86	10.1	3.1836	2.7874	-0.0047	5.9663	0.025	0.0306	0.0101	0.0656
690	10.2	10.1	3.1836	2.7873	-0.0046	5.9663	0.0296	0.0288	0.0072	0.0657
691	9.98	10	3.1831	2.7864	-0.0045	5.965	0.0374	0.0312	0.0047	0.0733
692	10.3	9.99	3.1831	2.7862	-0.0044	5.9649	0.0373	0.0288	0.0013	0.0674
693	9.8	9.95	3.1832	2.7863	-0.0044	5.9651	0.0408	0.0285	-0.0014	0.0679
694	9.6	9.9	3.1833	2.7859	-0.0044	5.9648	0.0452	0.0262	-0.0029	0.0685

695	9.87	9.86	3.1833	2.7861	-0.0044	5.965	0.0425	0.0181	-0.0047	0.0559
696	9.94	9.83	3.1829	2.7864	-0.0043	5.9651	0.0427	0.0197	-0.006	0.0565
697	9.77	9.82	3.1827	2.7863	-0.0043	5.9647	0.0438	0.0169	-0.005	0.0557
698	9.66	9.82	3.1825	2.7863	-0.0042	5.9645	0.0409	0.0176	-0.0049	0.0536
699	9.96	9.85	3.1822	2.7869	-0.0041	5.965	0.0405	0.0216	-0.0038	0.0582
700	9.95	9.86	3.1821	2.7873	-0.004	5.9654	0.0361	0.0236	-0.0031	0.0567
701	9.88	9.88	3.1832	2.787	-0.004	5.9662	0.0374	0.0215	-0.003	0.0559
702	9.7	9.89	3.1839	2.7876	-0.0039	5.9676	0.0358	0.0136	-0.0034	0.046
703	9.74	9.92	3.1843	2.7871	-0.0038	5.9676	0.0293	0.0118	-0.0046	0.0365
704	9.4	9.96	3.1852	2.7875	-0.0037	5.9689	0.0188	0.0086	-0.0057	0.0217
705	9.62	9.98	3.1856	2.7878	-0.0035	5.9699	0.015	0.0044	-0.0023	0.0171
706	9.41	9.98	3.1857	2.7883	-0.0034	5.9706	0.0211	-0.0003	-0.0001	0.0207
707	10	10	3.1859	2.7881	-0.0033	5.9707	0.0291	-0.0029	0.0009	0.027
708	10.4	10	3.1863	2.788	-0.0031	5.9712	0.0312	-0.0021	0.0019	0.031
709	10.5	10	3.1869	2.7879	-0.0032	5.9717	0.0333	0.0065	0.0003	0.0401
710	10.4	10	3.1876	2.7883	-0.003	5.9729	0.0321	0.0046	0.0025	0.0391
711	10.3	10.1	3.1877	2.7883	-0.0029	5.9731	0.0227	0.007	0.0038	0.0335
712	10.5	10.1	3.1872	2.7885	-0.0032	5.9725	0.0171	0.0106	0.0035	0.0312
713	10.3	10.1	3.1869	2.7881	-0.0032	5.9718	0.0154	0.0126	0.0041	0.0322
714	10.4	10.1	3.1864	2.7882	-0.0032	5.9714	0.0185	0.0092	0.0041	0.0318
715	9.87	10.1	3.1859	2.7881	-0.0031	5.9708	0.018	0.0078	0.0047	0.0304
716	10.1	10.2	3.1867	2.7879	-0.0032	5.9714	0.0164	0.0106	0.0035	0.0305
717	10.1	10.2	3.1873	2.7874	-0.0033	5.9714	0.0135	0.0086	0.0004	0.0225
718	10.1	10.1	3.1873	2.7874	-0.0033	5.9714	0.0139	0.0135	-0.0009	0.0265
719	10.1	10.1	3.1868	2.7873	-0.0031	5.9709	0.0163	0.013	-0.001	0.0283
720	10.2	10.1	3.1862	2.7873	-0.0029	5.9707	0.0279	0.0132	-0.0006	0.0405
721	10.2	10.1	3.1861	2.7873	-0.0027	5.9707	0.0364	0.0078	0.0029	0.047
722	9.94	10.1	3.1861	2.7867	-0.0029	5.9699	0.0389	0.0056	0.0063	0.0508
723	9.85	10	3.1865	2.7868	-0.0029	5.9704	0.0334	0.0032	0.007	0.0437
724	10	10	3.1861	2.7868	-0.003	5.9699	0.036	0.0108	0.0065	0.0533
725	9.78	10	3.1863	2.787	-0.0034	5.9699	0.0392	0.0186	0.0049	0.0626
726	9.95	10	3.1868	2.7866	-0.0035	5.9699	0.0357	0.0213	0.0033	0.0603
727	9.89	10	3.1868	2.7865	-0.0036	5.9697	0.0318	0.0198	0.0022	0.0538
728	10	10	3.1861	2.786	-0.0036	5.9685	0.0293	0.024	-0.0014	0.052
729	10.3	10	3.1854	2.7854	-0.0037	5.9671	0.0299	0.0213	-0.0029	0.0482
730	10.2	10	3.1848	2.7852	-0.0038	5.9662	0.0361	0.0248	-0.0041	0.0568
731	10.2	9.98	3.1839	2.7852	-0.0038	5.9653	0.0337	0.0233	-0.0064	0.0507

732	9.64	9.96	3.1835	2.7853	-0.004	5.9648	0.0328	0.0256	-0.0092	0.0492
733	9.85	9.95	3.1832	2.7848	-0.0042	5.9637	0.034	0.0263	-0.0101	0.0502
734	10	9.9	3.1829	2.7851	-0.0041	5.9639	0.0345	0.0254	-0.0092	0.0506
735	9.91	9.88	3.1829	2.7854	-0.0042	5.9641	0.023	0.0225	-0.0075	0.0379
736	10.1	9.9	3.1825	2.7855	-0.0041	5.9639	0.012	0.0241	-0.007	0.0292
737	9.84	9.91	3.1818	2.7854	-0.0042	5.963	0.009	0.0294	-0.0071	0.0313
738	10.2	9.93	3.1813	2.7856	-0.004	5.9629	0.0065	0.0287	-0.0085	0.0267
739	10.2	9.93	3.1807	2.7857	-0.0039	5.9625	-0.0068	0.0263	-0.0115	0.0079
740	9.66	9.94	3.18	2.7855	-0.0038	5.9617	-0.0146	0.0204	-0.0138	-0.008
741	9.59	9.95	3.1801	2.7856	-0.0037	5.962	-0.0491	0.022	-0.014	-0.0411
742	9.68	9.97	3.1801	2.7858	-0.0036	5.9624	-0.0594	0.0126	-0.0128	-0.0596
743	9.02	9.98	3.18	2.7858	-0.0033	5.9626	-0.0609	0.0093	-0.011	-0.0626
744	9.52	10	3.1803	2.7864	-0.003	5.9637	-0.0519	0.0075	-0.0116	-0.0561
745	10.2	10.1	3.1806	2.7865	-0.0029	5.9642	-0.033	-0.0009	-0.0142	-0.0481
746	10.1	10.1	3.1806	2.7865	-0.0028	5.9643	-0.0194	0.0016	-0.0146	-0.0325
747	10.4	10.1	3.181	2.7867	-0.0029	5.9649	-0.0109	0.0051	-0.013	-0.0189
748	10.3	10.1	3.1815	2.7863	-0.0029	5.9649	-0.0007	-0.0009	-0.013	-0.0145
749	10.4	10.1	3.1821	2.7861	-0.0029	5.9653	0.0068	-0.0033	-0.0108	-0.0073
750	10.4	10.1	3.1822	2.7862	-0.0028	5.9656	0.0123	0.0009	-0.0075	0.0057
751	9.99	10.1	3.1825	2.7866	-0.0028	5.9662	0.0158	0.0056	-0.0042	0.0172
752	10.2	10.2	3.1831	2.7869	-0.0027	5.9673	0.0341	0.003	-0.003	0.0341
753	10.8	10.2	3.1836	2.7872	-0.0026	5.9682	0.056	0.0079	-0.0017	0.0622
754	10.7	10.3	3.1838	2.7874	-0.0028	5.9685	0.0674	0.0069	0.0008	0.0751
755	10.3	10.3	3.1833	2.7879	-0.0029	5.9682	0.0816	0.0164	0	0.0979
756	9.94	10.3	3.182	2.7881	-0.0029	5.9672	0.0917	0.0235	-0.0005	0.1148
757	10	10.3	3.1813	2.7877	-0.0031	5.9659	0.0939	0.0305	-0.001	0.1234
758	10.1	10.3	3.181	2.788	-0.003	5.966	0.0938	0.0293	0.0001	0.1233
759	10.2	10.2	3.1807	2.7882	-0.0032	5.9657	0.0922	0.028	0.0029	0.1231
760	10	10.2	3.1808	2.7879	-0.0034	5.9653	0.094	0.0265	0.004	0.1246
761	10.4	10.3	3.1807	2.7876	-0.0036	5.9647	0.0956	0.0291	0.0055	0.1302
762	10.2	10.2	3.1807	2.7874	-0.0039	5.9643	0.0932	0.03	0.0023	0.1256
763	10.3	10.2	3.1808	2.7875	-0.0041	5.9642	0.0861	0.0329	-0.0029	0.1161
764	10.5	10.2	3.181	2.7874	-0.0043	5.9641	0.0818	0.0277	-0.002	0.1075
765	10.3	10.2	3.1809	2.7868	-0.0042	5.9635	0.0784	0.0249	-0.0016	0.1017
766	9.96	10.2	3.181	2.7867	-0.0039	5.9637	0.0783	0.0194	0	0.0977
767	10.2	10.2	3.181	2.7865	-0.0039	5.9636	0.0909	0.0131	0	0.104
768	10.2	10.2	3.1808	2.7863	-0.0037	5.9634	0.101	0.0066	0.0004	0.1081

769	10.3	10.2	3.18	2.7865	-0.0037	5.9628	0.104	0.009	0.002	0.115
770	10.2	10.2	3.1796	2.7868	-0.004	5.9624	0.0999	0.0099	0.0049	0.1146
771	10.1	10.2	3.1794	2.787	-0.0042	5.9621	0.0916	0.0139	0.0089	0.1143
772	10.3	10.2	3.1799	2.787	-0.0043	5.9625	0.089	0.0142	0.0108	0.114
773	10.4	10.2	3.1798	2.7863	-0.0044	5.9618	0.0925	0.0113	0.0101	0.114
774	10.3	10.2	3.1793	2.7859	-0.0043	5.9609	0.095	0.0139	0.011	0.1198
775	9.93	10.2	3.1794	2.7859	-0.0042	5.9611	0.0877	0.0121	0.0099	0.1097
776	10.1	10.2	3.1795	2.7859	-0.0041	5.9613	0.0843	0.0134	0.0075	0.1052
777	9.78	10.2	3.1797	2.7857	-0.004	5.9614	0.0872	0.0112	0.0038	0.1022
778	10.1	10.2	3.1799	2.7857	-0.0041	5.9615	0.0904	0.0133	-0.001	0.1027
779	10.2	10.2	3.1795	2.7851	-0.0041	5.9605	0.0835	0.0088	-0.0034	0.0888
780	10.3	10.2	3.1794	2.7854	-0.004	5.9607	0.0755	0.0045	-0.004	0.076
781	10.7	10.2	3.1798	2.7849	-0.0038	5.9609	0.072	0.0014	-0.0052	0.0682
782	10.6	10.2	3.1801	2.7844	-0.0037	5.9608	0.0659	-0.0053	-0.0067	0.0538
783	10.4	10.2	3.1804	2.7845	-0.0036	5.9613	0.0671	-0.0064	-0.0086	0.0521
784	9.92	10.2	3.1814	2.7848	-0.0037	5.9624	0.0671	-0.0095	-0.009	0.0487
785	10.1	10.1	3.1822	2.7849	-0.0037	5.9634	0.0719	-0.0071	-0.0071	0.0577
786	10.2	10.1	3.1828	2.7847	-0.0036	5.9639	0.0716	-0.0039	-0.0069	0.0607
787	10.2	10.1	3.1835	2.7848	-0.0035	5.9647	0.063	-0.0032	-0.0062	0.0537
788	10.3	10.1	3.1846	2.785	-0.0034	5.9661	0.0495	-0.0045	-0.0067	0.0383
789	10.5	10	3.1851	2.7854	-0.0033	5.9671	0.043	-0.005	-0.0046	0.0334
790	10.2	10	3.1885	2.7851	-0.0032	5.9704	0.0406	-0.0017	-0.0007	0.0381
791	9.78	9.97	3.189	2.7851	-0.0032	5.9709	0.0325	-0.0036	0.002	0.0309
792	10.2	9.95	3.1892	2.7853	-0.0033	5.9712	0.0306	-0.0064	0.0036	0.0278
793	9.62	9.92	3.1884	2.7855	-0.0032	5.9707	0.0324	-0.0039	0.0061	0.0345
794	9.49	9.94	3.1866	2.786	-0.003	5.9696	0.0299	-0.0015	0.0086	0.037
795	9.31	9.95	3.1852	2.7859	-0.0029	5.9682	0.0351	0.0025	0.0081	0.0457
796	9.39	9.92	3.184	2.7859	-0.003	5.967	0.0464	0.003	0.008	0.0574
797	9.51	9.91	3.1828	2.7864	-0.003	5.9662	0.0513	0.0063	0.0079	0.0656
798	9.85	9.92	3.1818	2.7866	-0.0032	5.9653	0.0574	0.0124	0.0069	0.0767
799	9.98	9.94	3.181	2.7868	-0.0034	5.9644	0.0621	0.0083	0.0058	0.0762
800	9.75	9.94	3.1805	2.7867	-0.0036	5.9636	0.0689	0.0044	0.0051	0.0784
801	10.2	9.96	3.1798	2.7867	-0.0037	5.9628	0.0683	0.0005	0.0047	0.0735
802	9.8	9.93	3.1783	2.7868	-0.0037	5.9614	0.0747	0.0016	0.004	0.0803
803	10.3	9.96	3.1776	2.7864	-0.0039	5.9601	0.0904	0.0054	0.0041	0.0999
804	10.3	10	3.177	2.7858	-0.0037	5.9591	0.1054	0.0077	0.0053	0.1183
805	9.65	10	3.1765	2.7855	-0.0035	5.9585	0.1081	0.011	0.0057	0.1248

806	10.1	10	3.1763	2.7852	-0.0033	5.9582	0.1039	0.017	0.0044	0.1253
807	10.6	10.1	3.1765	2.7852	-0.0033	5.9584	0.0916	0.0224	0.0032	0.1172
808	10.8	10.1	3.1771	2.7852	-0.0034	5.9589	0.0839	0.021	0.0011	0.1059
809	10.2	10.1	3.1775	2.7853	-0.0036	5.9592	0.0814	0.0216	0.0017	0.1047
810	10.1	10.1	3.178	2.7854	-0.0035	5.9599	0.0734	0.0245	-0.0004	0.0975
811	9.69	10.1	3.1784	2.7853	-0.0031	5.9606	0.0629	0.0246	-0.0017	0.0858
812	10.1	10	3.1786	2.7852	-0.0029	5.9609	0.0601	0.023	-0.0058	0.0774
813	10.4	9.99	3.1787	2.7853	-0.003	5.961	0.0564	0.017	-0.0108	0.0626
814	9.54	9.95	3.1785	2.7858	-0.003	5.9613	0.0545	0.0128	-0.0138	0.0535
815	9.96	9.98	3.1781	2.7861	-0.0031	5.9611	0.0621	0.0058	-0.0142	0.0538
816	9.92	9.93	3.1776	2.7866	-0.0032	5.961	0.0597	-0.0052	-0.0113	0.0431
817	10.1	9.9	3.1772	2.7868	-0.0034	5.9605	0.0451	-0.0087	-0.006	0.0304
818	9.81	9.86	3.1769	2.7865	-0.0035	5.9599	0.0449	-0.0052	-0.0026	0.0371
819	9.78	9.86	3.1768	2.7863	-0.0036	5.9595	0.0499	-0.0068	0.0027	0.0457
820	9.75	9.86	3.1771	2.7859	-0.0038	5.9592	0.0583	-0.0044	0.0057	0.0595
821	9.22	9.88	3.1772	2.7859	-0.0038	5.9593	0.064	0.0092	0.0032	0.0764
822	9.7	9.87	3.1768	2.7855	-0.0039	5.9585	0.0646	0.0098	0	0.0744
823	9.57	9.84	3.177	2.7854	-0.004	5.9584	0.0699	0.012	0.0004	0.0822
824	10.1	9.87	3.1773	2.7856	-0.004	5.9589	0.0707	0.0111	-0.0008	0.0809
825	9.3	9.88	3.1779	2.7857	-0.0042	5.9594	0.0676	0.0118	-0.001	0.0785
826	9.87	9.91	3.1781	2.7855	-0.0039	5.9597	0.0685	0.0155	-0.0008	0.0832
827	10.2	9.91	3.1778	2.7852	-0.0035	5.9594	0.0649	0.0205	-0.002	0.0834
828	10.2	9.91	3.1777	2.7852	-0.0033	5.9596	0.0563	0.0233	-0.0035	0.0761
829	10	9.94	3.1779	2.7849	-0.0033	5.9595	0.0511	0.0255	-0.0057	0.0709
830	10.1	10	3.1776	2.7851	-0.0033	5.9594	0.0416	0.0158	-0.0051	0.0523
831	9.98	10.1	3.1774	2.7858	-0.0032	5.96	0.0387	0.0147	-0.0037	0.0497
832	9.71	10.1	3.1768	2.7859	-0.0032	5.9596	0.0469	0.0101	0.0003	0.0573
833	10.3	10.1	3.1764	2.7857	-0.0033	5.9589	0.0523	0.0009	0.0035	0.0567
834	10.1	10.1	3.1757	2.7858	-0.0034	5.9581	0.0508	0.0009	0.005	0.0567
835	10.5	10.2	3.1757	2.7858	-0.0035	5.958	0.0511	0.0024	0.0066	0.0601
836	10.1	10.1	3.1762	2.7858	-0.0035	5.9585	0.0557	0.0071	0.0088	0.0716
837	9.7	10.1	3.1768	2.7859	-0.0035	5.9592	0.0567	0.0098	0.0112	0.0777
838	10.4	10.1	3.177	2.7861	-0.0036	5.9595	0.0604	0.0165	0.0133	0.0903
839	10.8	10.1	3.1766	2.7858	-0.0038	5.9587	0.0675	0.0191	0.0162	0.1028
840	10.5	10.1	3.1768	2.7859	-0.004	5.9587	0.0703	0.0188	0.0172	0.1063
841	10.3	10.2	3.1771	2.7863	-0.0041	5.9592	0.1008	0.0117	0.0155	0.1281
842	10	10.2	3.1769	2.7862	-0.0042	5.959	0.1044	0.0112	0.0149	0.1306

843	9.97	10.2	3.177	2.786	-0.0041	5.9589	0.1031	0.003	0.011	0.1172
844	10.1	10.2	3.1768	2.7862	-0.0038	5.9592	0.0901	-0.0007	0.0087	0.0981
845	9.53	10.2	3.1759	2.7862	-0.0037	5.9584	0.07	0.0034	0.0118	0.0852
846	9.77	10.3	3.1755	2.7859	-0.0036	5.9578	0.0475	0.0027	0.012	0.0623
847	10.1	10.3	3.1753	2.7855	-0.0036	5.9572	0.03	0.0034	0.01	0.0434
848	10.2	10.3	3.1753	2.7855	-0.0035	5.9573	0.0133	0.0076	0.0087	0.0296
849	10.3	10.2	3.1752	2.7856	-0.0034	5.9574	-0.0081	0.0105	0.0044	0.0068
850	10.6	10.2	3.1754	2.7861	-0.0033	5.9582	-0.029	0.0159	0	-0.0131
851	10.3	10.2	3.175	2.7864	-0.0032	5.9582	-0.0374	0.0163	-0.0021	-0.0232
852	10.6	10.2	3.174	2.7864	-0.0032	5.9573	-0.0477	0.0152	-0.0022	-0.0347
853	10.7	10.2	3.1731	2.7864	-0.0032	5.9564	-0.0655	0.0148	-0.004	-0.0547
854	10.5	10.2	3.173	2.7863	-0.0033	5.956	-0.075	0.0127	-0.0068	-0.0691
855	10.8	10.3	3.1729	2.7862	-0.0033	5.9557	-0.0845	0.009	-0.0064	-0.0819
856	10.2	10.3	3.1729	2.7858	-0.0032	5.9555	-0.0808	0.0036	-0.0039	-0.0811
857	10.2	10.3	3.1729	2.7856	-0.0032	5.9553	-0.0776	-0.0009	-0.0022	-0.0808
858	9.82	10.4	3.1729	2.7858	-0.0032	5.9555	-0.0703	-0.0018	-0.0033	-0.0754
859	10.2	10.4	3.1734	2.7858	-0.0032	5.956	-0.0585	-0.0053	-0.0049	-0.0686
860	10.3	10.3	3.1745	2.7854	-0.0033	5.9567	-0.0497	-0.0072	-0.0043	-0.0612
861	9.99	10.3	3.1747	2.7853	-0.003	5.957	-0.0464	-0.0073	-0.0016	-0.0553
862	10.1	10.3	3.1751	2.7858	-0.0028	5.958	-0.0419	-0.0096	0.0027	-0.0488
863	10.2	10.3	3.1754	2.7862	-0.0027	5.9588	-0.0397	-0.011	0.0065	-0.0442
864	10.5	10.3	3.1748	2.7868	-0.0029	5.9588	-0.0298	-0.007	0.0043	-0.0325
865	10.5	10.3	3.175	2.7874	-0.0031	5.9592	-0.0269	-0.0034	0.0029	-0.0274
866	10.5	10.3	3.1765	2.7876	-0.0033	5.9607	-0.032	0.0052	0.0018	-0.0249
867	10.6	10.3	3.1765	2.787	-0.0036	5.9599	-0.0334	0.0119	0.0038	-0.0177
868	10.5	10.3	3.1758	2.787	-0.004	5.9588	-0.0434	0.0151	0.0033	-0.0249
869	10.1	10.3	3.1742	2.7869	-0.0043	5.9568	-0.0518	0.0157	0.0033	-0.0328
870	10	10.3	3.1732	2.7859	-0.0043	5.9548	-0.0578	0.0189	0.0035	-0.0353
871	9.82	10.3	3.1729	2.786	-0.0042	5.9547	-0.0571	0.0186	0.0019	-0.0367
872	10.5	10.3	3.1729	2.7858	-0.0044	5.9543	-0.057	0.0226	-0.0028	-0.0372
873	10.4	10.3	3.1727	2.7852	-0.0043	5.9537	-0.0579	0.0248	-0.0079	-0.041
874	10.5	10.3	3.1726	2.7847	-0.0042	5.953	-0.0551	0.0197	-0.01	-0.0453
875	10.3	10.3	3.1726	2.7843	-0.0041	5.9527	-0.0525	0.0149	-0.0093	-0.0469
876	10.3	10.3	3.173	2.7838	-0.0039	5.9529	-0.0445	0.013	-0.0088	-0.0404
877	10.2	10.3	3.174	2.7834	-0.0037	5.9538	-0.0429	0.0119	-0.004	-0.035
878	10.5	10.2	3.1748	2.7831	-0.0035	5.9544	-0.0536	0.0137	0.0001	-0.0398
879	10.6	10.2	3.1753	2.7835	-0.0036	5.9553	-0.0735	0.0143	0.0024	-0.0568

880	9.82	10.3	3.1755	2.7839	-0.0036	5.9558	-0.0768	0.0139	-0.0006	-0.0636
881	10.7	10.3	3.1751	2.7839	-0.0038	5.9552	-0.0737	0.0134	-0.0024	-0.0626
882	10.1	10.2	3.1748	2.7843	-0.004	5.9551	-0.0685	0.0221	-0.0021	-0.0485
883	9.92	10.2	3.1753	2.7844	-0.0041	5.9556	-0.0673	0.0251	-0.0016	-0.0438
884	10.2	10.1	3.1763	2.7845	-0.0044	5.9564	-0.0618	0.0216	0.0008	-0.0394
885	10.3	10.1	3.1767	2.7841	-0.0046	5.9562	-0.0674	0.0212	0.0018	-0.0444
886	10.2	10.1	3.1771	2.7837	-0.0047	5.9561	-0.072	0.0227	0.0002	-0.0492
887	10.3	10	3.1774	2.7831	-0.0049	5.9557	-0.0765	0.0193	0	-0.0572
888	10.2	10	3.1778	2.7831	-0.005	5.9558	-0.0689	0.0225	0.0009	-0.0455
889	10.3	9.95	3.178	2.7835	-0.005	5.9565	-0.0699	0.0179	-0.0034	-0.0554
890	10.1	9.95	3.1784	2.7839	-0.0048	5.9576	-0.0763	0.0181	-0.0023	-0.0605
891	9.33	9.9	3.1786	2.784	-0.0047	5.9579	-0.0765	0.0235	-0.002	-0.055
892	9.68	9.88	3.1789	2.785	-0.0044	5.9595	-0.073	0.0317	-0.0026	-0.044
893	9.74	9.88	3.1794	2.7856	-0.0041	5.9609	-0.0727	0.0375	-0.0031	-0.0384
894	9.4	9.85	3.1796	2.7856	-0.0042	5.9611	-0.0697	0.0397	-0.0038	-0.0338
895	9.92	9.84	3.1805	2.7857	-0.0041	5.962	-0.0684	0.0416	-0.002	-0.0288
896	9.47	9.78	3.181	2.7856	-0.004	5.9626	-0.0726	0.0427	-0.0011	-0.031
897	9.75	9.78	3.1815	2.7856	-0.0039	5.9632	-0.0753	0.0382	0.0016	-0.0355
898	9.66	9.73	3.1826	2.7855	-0.0036	5.9646	-0.0779	0.0322	0.003	-0.0427
899	9.71	9.7	3.1839	2.7852	-0.0034	5.9657	-0.0823	0.0291	0.0022	-0.051
900	9.88	9.69	3.1843	2.7851	-0.0034	5.966	-0.0842	0.0284	0.0033	-0.0526
901	9.74	9.73	3.1845	2.7852	-0.0035	5.9662	-0.0815	0.0346	0.0046	-0.0423
902	9.87	9.73	3.1849	2.7853	-0.0033	5.9668	-0.0806	0.0343	0.0073	-0.0391
903	9.64	9.73	3.1851	2.7851	-0.0032	5.967	-0.0912	0.0332	0.0081	-0.0499
904	10	9.76	3.1855	2.7849	-0.0031	5.9673	-0.1089	0.0287	0.0083	-0.0719
905	9.1	9.76	3.1845	2.7851	-0.0031	5.9666	-0.1156	0.0247	0.0077	-0.0832
906	10.2	9.77	3.1841	2.7853	-0.0031	5.9663	-0.1159	0.0202	0.0084	-0.0873
907	9.4	9.76	3.1835	2.7854	-0.003	5.9659	-0.1122	0.0143	0.0084	-0.0896
908	9.64	9.78	3.1829	2.7858	-0.0029	5.9658	-0.1191	0.0136	0.0064	-0.0991
909	10	9.81	3.1825	2.786	-0.0031	5.9654	-0.1183	0.016	0.0069	-0.0954
910	9.98	9.83	3.1827	2.7861	-0.0034	5.9654	-0.1099	0.0196	0.004	-0.0863
911	9.74	9.84	3.1826	2.7863	-0.0034	5.9654	-0.0964	0.0165	0.0024	-0.0775
912	9.73	9.85	3.1826	2.7863	-0.0036	5.9653	-0.0901	0.0154	0.0048	-0.0699
913	10.1	9.87	3.1817	2.786	-0.0034	5.9643	-0.0836	0.0166	0.0092	-0.0578
914	9.92	9.89	3.1812	2.7861	-0.0033	5.964	-0.0842	0.0257	0.0113	-0.0472
915	9.63	9.95	3.1813	2.7856	-0.0033	5.9636	-0.0936	0.0375	0.0095	-0.0466
916	9.56	9.97	3.181	2.7854	-0.0036	5.9627	-0.098	0.049	0.0057	-0.0433

917	10.1	10	3.1815	2.7853	-0.0037	5.963	-0.0873	0.053	-0.0001	-0.0345
918	10.3	10	3.1821	2.7849	-0.0038	5.9632	-0.0937	0.0467	-0.0044	-0.0515
919	10.1	10	3.1826	2.7844	-0.004	5.963	-0.1057	0.0427	-0.0069	-0.07
920	9.94	10	3.1828	2.7841	-0.004	5.9629	-0.1252	0.0394	-0.0083	-0.0941
921	10.1	10.1	3.1829	2.7836	-0.0035	5.963	-0.138	0.03	-0.0098	-0.1178
922	10	10.1	3.1826	2.7831	-0.0031	5.9626	-0.142	0.0269	-0.0103	-0.1255
923	10.4	10.1	3.1825	2.7834	-0.003	5.9629	-0.141	0.0195	-0.0109	-0.1324
924	10.2	10.1	3.1826	2.7841	-0.0031	5.9636	-0.1403	0.0106	-0.0107	-0.1403
925	10.6	10.2	3.1823	2.7844	-0.0033	5.9634	-0.1401	0.0032	-0.0092	-0.1461
926	9.88	10.2	3.1824	2.7843	-0.0035	5.9632	-0.1369	-0.0011	-0.0058	-0.1438
927	10.3	10.2	3.1831	2.7838	-0.0035	5.9634	-0.1269	-0.0069	-0.0018	-0.1356
928	9.96	10.2	3.1851	2.7837	-0.0035	5.9653	-0.1145	-0.0136	0.0014	-0.1267
929	9.97	10.2	3.1856	2.7836	-0.0032	5.9659	-0.1055	-0.0165	0.0028	-0.1193
930	10.2	10.3	3.185	2.7837	-0.0031	5.9657	-0.0961	-0.0155	0.0007	-0.1109
931	10.2	10.3	3.1842	2.7836	-0.003	5.9648	-0.0834	-0.014	-0.0008	-0.0981
932	10.5	10.3	3.1836	2.7834	-0.003	5.964	-0.0806	-0.0147	-0.0031	-0.0985
933	10.5	10.3	3.1826	2.7836	-0.0034	5.9628	-0.0817	-0.0129	-0.0041	-0.0986
934	10.4	10.3	3.1825	2.7837	-0.0036	5.9626	-0.0752	-0.0104	-0.0045	-0.0901
935	10.1	10.3	3.1829	2.7835	-0.0035	5.9629	-0.0724	-0.0079	-0.0078	-0.0881
936	10.7	10.3	3.1838	2.7839	-0.0035	5.9642	-0.0728	-0.0132	-0.01	-0.096
937	10.1	10.2	3.1837	2.7836	-0.0036	5.9637	-0.071	-0.0215	-0.0095	-0.102
938	10.3	10.3	3.184	2.7843	-0.0032	5.9651	-0.0712	-0.0247	-0.011	-0.1069
939	10.6	10.3	3.1842	2.784	-0.0036	5.9647	-0.0686	-0.0235	-0.0133	-0.1054
940	10.4	10.3	3.1844	2.7836	-0.0038	5.9642	-0.0672	-0.0168	-0.0139	-0.0979
941	10.5	10.3	3.1844	2.7831	-0.0038	5.9636	-0.0637	-0.0114	-0.0108	-0.0859
942	10.2	10.2	3.1842	2.7825	-0.0039	5.9628	-0.0596	-0.0102	-0.0092	-0.0789
943	10.1	10.2	3.184	2.782	-0.0037	5.9623	-0.0487	0.0054	-0.0051	-0.0484
944	10.4	10.2	3.1837	2.782	-0.0036	5.962	-0.04	0.011	-0.0021	-0.031
945	9.7	10.2	3.1832	2.7819	-0.0036	5.9615	-0.0471	0.0171	-0.0061	-0.0362
946	9.86	10.2	3.183	2.7821	-0.0038	5.9613	-0.0442	0.0185	-0.0065	-0.0322
947	10.3	10.1	3.1831	2.7823	-0.0039	5.9615	-0.0428	0.0256	-0.005	-0.0222
948	9.96	10.1	3.1835	2.7826	-0.0037	5.9624	-0.0458	0.0262	-0.0037	-0.0232
949	10.4	10.1	3.1836	2.7828	-0.0037	5.9627	-0.0422	0.0254	-0.0019	-0.0187
950	10.1	10.1	3.1835	2.7827	-0.0037	5.9625	-0.0316	0.0228	-0.0002	-0.009
951	9.75	10	3.183	2.783	-0.0039	5.9621	-0.0274	0.0236	0.0016	-0.0022
952	10.4	10	3.1831	2.7831	-0.004	5.9623	-0.0185	0.0273	0.0026	0.0114
953	10.4	9.99	3.184	2.7835	-0.004	5.9635	-0.015	0.033	0.0072	0.0252

954	9.92	9.97	3.1846	2.7839	-0.0041	5.9643	-0.0103	0.0329	0.0108	0.0334
955	9.8	9.99	3.1845	2.7841	-0.0042	5.9644	0.0014	0.0351	0.012	0.0485
956	9.85	10	3.1841	2.7844	-0.0041	5.9645	-0.0035	0.0386	0.0099	0.045
957	9.73	9.99	3.1848	2.7843	-0.0038	5.9652	-0.007	0.043	0.0094	0.0454
958	9.89	9.98	3.1847	2.7842	-0.0039	5.965	-0.0112	0.045	0.0127	0.0465
959	10	9.95	3.1844	2.7838	-0.0036	5.9646	-0.0184	0.0523	0.017	0.051
960	9.98	9.93	3.1842	2.7838	-0.0035	5.9645	-0.0267	0.0556	0.016	0.0448
961	9.84	9.94	3.1837	2.7838	-0.0035	5.964	-0.0295	0.0556	0.0128	0.0389
962	9.69	9.9	3.1835	2.7841	-0.0037	5.9638	-0.0326	0.0567	0.011	0.0351
963	9.91	9.89	3.1838	2.7836	-0.0039	5.9635	-0.0332	0.057	0.0095	0.0332
964	10.1	9.91	3.1842	2.783	-0.0038	5.9634	-0.0415	0.0536	0.0099	0.022
965	10.2	9.91	3.1848	2.7824	-0.0037	5.9636	-0.0476	0.0495	0.0109	0.0128
966	9.95	9.9	3.1852	2.7823	-0.0033	5.9642	-0.0462	0.0401	0.0118	0.0057
967	9.79	9.91	3.1859	2.7824	-0.0032	5.965	-0.0474	0.0336	0.0099	-0.0039
968	9.77	9.94	3.1863	2.7827	-0.0033	5.9658	-0.0412	0.0263	0.0091	-0.0059
969	9.72	9.94	3.1867	2.783	-0.0035	5.9662	-0.0377	0.0217	0.0099	-0.0061
970	9.92	9.91	3.187	2.7829	-0.0033	5.9666	-0.0342	0.0169	0.0089	-0.0084
971	9.64	9.9	3.1871	2.7833	-0.0032	5.9672	-0.0288	0.0116	0.0084	-0.0088
972	10.3	9.9	3.187	2.7838	-0.0033	5.9675	-0.0215	0.0047	0.0128	-0.004
973	10.2	9.91	3.1868	2.7841	-0.0032	5.9677	-0.0215	-0.0033	0.017	-0.0078
974	9.88	9.89	3.1866	2.7844	-0.0033	5.9676	-0.0213	0.0023	0.0166	-0.0024
975	9.61	9.87	3.1862	2.7845	-0.0036	5.9671	-0.0225	0.0071	0.0136	-0.0018
976	10.1	9.85	3.1857	2.7845	-0.0037	5.9665	-0.0275	0.0063	0.0103	-0.011
977	10.4	9.84	3.1855	2.7848	-0.0038	5.9664	-0.0278	0.0011	0.0099	-0.0168
978	10	9.82	3.1853	2.7848	-0.0038	5.9663	-0.0208	-0.004	0.0109	-0.0139
979	9.47	9.81	3.1849	2.7851	-0.0037	5.9664	-0.0035	-0.0054	0.0119	0.003
980	9.51	9.82	3.1838	2.7853	-0.0035	5.9656	-0.0001	-0.0041	0.0164	0.0122
981	9.69	9.85	3.1832	2.7854	-0.0035	5.965	-0.0095	0.0037	0.0174	0.0116
982	10.2	9.83	3.183	2.7856	-0.0036	5.965	-0.0191	0.0042	0.0177	0.0027
983	9.65	9.82	3.1829	2.7855	-0.0037	5.9646	-0.0285	0.0031	0.0154	-0.01
984	9.87	9.84	3.1835	2.7853	-0.0036	5.9652	-0.0382	0.0097	0.0113	-0.0172
985	9.67	9.83	3.184	2.7855	-0.0036	5.9658	-0.0388	0.0144	0.0092	-0.0151
986	9.53	9.82	3.1842	2.7859	-0.0038	5.9663	-0.0315	0.0118	0.0106	-0.0091
987	9.3	9.81	3.1845	2.7856	-0.0038	5.9664	-0.0225	0.0173	0.0135	0.0083
988	9.56	9.82	3.1847	2.7854	-0.0037	5.9664	-0.0258	0.0162	0.0169	0.0073
989	10.2	9.86	3.1848	2.7852	-0.0036	5.9663	-0.0166	0.023	0.0197	0.0261
990	10.1	9.9	3.1848	2.7851	-0.0037	5.9662	-0.0082	0.0264	0.0176	0.0358

991	9.97	9.9	3.1845	2.785	-0.0038	5.9658	-0.0034	0.0316	0.0162	0.0444
992	10.1	9.9	3.1838	2.7845	-0.0039	5.9643	-0.0027	0.0278	0.0118	0.0368
993	10.2	9.91	3.1834	2.7845	-0.0039	5.964	0.0031	0.0265	0.0087	0.0383
994	9.4	9.95	3.1843	2.7839	-0.0036	5.9647	0.0054	0.0269	0.0063	0.0386
995	9.89	10	3.1849	2.7838	-0.0035	5.9652	0.0038	0.0291	0.003	0.0359
996	10.3	10	3.1853	2.783	-0.0035	5.9649	0.0009	0.0281	0.0008	0.0298
997	10.2	10.1	3.1861	2.783	-0.0035	5.9655	0.0023	0.0279	-0.003	0.0272
998	10.1	10.1	3.1868	2.783	-0.0034	5.9664	0.0039	0.0228	-0.0064	0.0202
999	10.3	10.2	3.1871	2.7829	-0.0034	5.9666	0.0123	0.0187	-0.0033	0.0277
1000	9.81	10.2	3.187	2.7827	-0.0035	5.9662	0.0178	0.0161	-0.003	0.0309
1001	10	10.2	3.1864	2.7825	-0.0037	5.9651	0.0231	0.0074	-0.0054	0.025
1002	9.89	10.2	3.1864	2.782	-0.004	5.9643	0.0151	0.0023	-0.0103	0.0072
1003	10.6	10.2	3.1861	2.7818	-0.0043	5.9637	0.0121	0.0002	-0.0103	0.002
1004	10.6	10.3	3.1853	2.7814	-0.0043	5.9624	0.0119	0.0069	-0.0095	0.0093
1005	10.2	10.3	3.1849	2.7813	-0.0041	5.9621	0.0103	0.0105	-0.012	0.0088
1006	10.3	10.3	3.1848	2.781	-0.004	5.9617	0.0094	0.0135	-0.0117	0.0111
1007	10.8	10.2	3.1846	2.7809	-0.0042	5.9613	-0.0007	0.015	-0.009	0.0053
1008	10.8	10.2	3.1848	2.7805	-0.0046	5.9607	0.0033	0.0053	-0.007	0.0016
1009	10.5	10.1	3.1852	2.7804	-0.0047	5.9609	0.002	0.0054	-0.0079	-0.0005
1010	10.4	10.1	3.1856	2.7806	-0.0046	5.9615	-0.0027	0.0039	-0.0058	-0.0047
1011	10.4	10.1	3.1858	2.7806	-0.0045	5.9619	-0.0111	0.0107	-0.005	-0.0054
1012	10.2	10.1	3.1859	2.7806	-0.0045	5.962	-0.0203	0.008	-0.0062	-0.0186
1013	10.6	10	3.1858	2.7807	-0.0044	5.9621	-0.0299	0.0058	-0.0104	-0.0345
1014	9.81	10	3.186	2.7811	-0.0044	5.9627	-0.0452	-0.0005	-0.0117	-0.0574
1015	9.64	9.97	3.1859	2.7816	-0.0045	5.963	-0.0581	-0.0029	-0.0108	-0.0718
1016	9.44	9.9	3.1857	2.782	-0.0046	5.9631	-0.0655	-0.0074	-0.0086	-0.0816
1017	9.39	9.84	3.1856	2.7826	-0.0046	5.9636	-0.0773	-0.0132	-0.0045	-0.095
1018	9.71	9.77	3.1858	2.7828	-0.0048	5.9638	-0.0732	-0.0129	-0.0015	-0.0876
1019	9.64	9.74	3.186	2.7827	-0.0049	5.9638	-0.067	-0.0131	-0.0012	-0.0813
1020	9.56	9.7	3.1857	2.7829	-0.0048	5.9638	-0.047	-0.014	-0.0013	-0.0624
1021	9.58	9.68	3.1851	2.7831	-0.0048	5.9634	-0.0169	-0.0149	0.0001	-0.0317
1022	9.63	9.66	3.1848	2.7834	-0.0048	5.9634	0.008	-0.0102	0.0018	-0.0004
1023	9.71	9.62	3.1846	2.7832	-0.0047	5.9632	0.0279	-0.0047	0.0011	0.0243
1024	9.51	9.62	3.1848	2.7834	-0.0044	5.9638	0.0366	0.0033	0.002	0.0419
1025	9	9.63	3.1851	2.7838	-0.0043	5.9645	0.0433	0.0035	0.0012	0.048
1026	9.73	9.66	3.1852	2.7842	-0.0045	5.9649	0.0463	0.0043	-0.0021	0.0485
1027	9.44	9.68	3.1852	2.7842	-0.0046	5.9648	0.0445	0.0037	-0.0055	0.0427

1028	9.74	9.68	3.1854	2.7843	-0.0047	5.965	0.0395	0.0073	-0.0053	0.0415
1029	9.59	9.69	3.1856	2.784	-0.0049	5.9647	0.0414	0.0076	-0.004	0.045
1030	10	9.72	3.1859	2.7834	-0.0048	5.9645	0.0548	0.0078	-0.002	0.0605
1031	9.87	9.72	3.1861	2.7831	-0.0047	5.9645	0.0536	0.0101	-0.0008	0.0628
1032	9.74	9.73	3.1864	2.7831	-0.0046	5.9649	0.0475	0.0083	-0.0003	0.0555
1033	9.75	9.74	3.1864	2.7826	-0.0045	5.9645	0.0509	0.0066	-0.0002	0.0572
1034	9.79	9.74	3.1863	2.7822	-0.0045	5.9641	0.0523	0.0066	-0.0027	0.0562
1035	10.1	9.75	3.1861	2.7824	-0.0046	5.9638	0.0658	0.0109	-0.0038	0.073
1036	9.79	9.74	3.1861	2.7821	-0.0049	5.9634	0.0695	0.0127	-0.0059	0.0763
1037	9.76	9.77	3.1863	2.782	-0.0053	5.963	0.0726	0.0168	-0.0093	0.0801
1038	9.87	9.75	3.1857	2.782	-0.0052	5.9625	0.0815	0.0095	-0.0105	0.0804
1039	10	9.78	3.1851	2.7814	-0.0053	5.9611	0.0819	0.0071	-0.0103	0.0786
1040	9.72	9.74	3.1847	2.7804	-0.0054	5.9597	0.0786	0.0048	-0.0095	0.0739
1041	9.73	9.7	3.1846	2.7803	-0.005	5.9599	0.073	0.0012	-0.0072	0.067
1042	9.88	9.68	3.1838	2.7798	-0.0047	5.959	0.072	-0.0013	-0.0063	0.0644
1043	9.46	9.63	3.1835	2.7793	-0.0044	5.9584	0.0719	-0.0104	-0.0069	0.0546
1044	9.18	9.57	3.1833	2.7791	-0.0039	5.9585	0.0776	-0.012	-0.0063	0.0594
1045	9.7	9.49	3.1831	2.7791	-0.0037	5.9586	0.101	-0.0138	-0.0029	0.0844
1046	9.93	9.43	3.1828	2.7793	-0.0035	5.9586	0.116	-0.0129	-0.002	0.1012
1047	9.43	9.38	3.1827	2.78	-0.0032	5.9595	0.131	-0.0196	-0.002	0.1094
1048	10	9.34	3.1823	2.7807	-0.0034	5.9596	0.1494	-0.0212	-0.0011	0.127
1049	9.43	9.3	3.1818	2.7812	-0.0034	5.9596	0.1523	-0.0207	-0.0023	0.1293
1050	9	9.29	3.1812	2.7819	-0.0032	5.9599	0.1445	-0.0207	-0.004	0.1198
1051	9.5	9.29	3.1815	2.7827	-0.0029	5.9614	0.137	-0.0255	-0.0073	0.1042
1052	8.65	9.29	3.1819	2.7831	-0.0029	5.9621	0.1321	-0.0294	-0.0082	0.0945
1053	8.71	9.32	3.1828	2.7828	-0.003	5.9626	0.1297	-0.0326	-0.0094	0.0876
1054	8.47	9.37	3.1835	2.7828	-0.0029	5.9634	0.1274	-0.0357	-0.0118	0.0799
1055	8.76	9.37	3.1835	2.7828	-0.003	5.9633	0.1156	-0.042	-0.0114	0.0623
1056	8.75	9.36	3.1842	2.7829	-0.0032	5.9639	0.1111	-0.0419	-0.0082	0.061
1057	9.05	9.39	3.1845	2.7837	-0.0031	5.9651	0.117	-0.0456	-0.0064	0.065
1058	9.36	9.4	3.1845	2.7837	-0.0031	5.9651	0.119	-0.0471	-0.0083	0.0636
1059	9.58	9.44	3.1847	2.7834	-0.003	5.9651	0.1266	-0.0478	-0.0104	0.0684
1060	9.57	9.5	3.1853	2.7827	-0.003	5.965	0.1266	-0.0483	-0.0126	0.0658
1061	9.88	9.56	3.1858	2.783	-0.0029	5.9658	0.109	-0.0418	-0.0132	0.054
1062	10.1	9.67	3.1865	2.7835	-0.0027	5.9673	0.0867	-0.0384	-0.0112	0.0371
1063	10.2	9.8	3.1883	2.7837	-0.0027	5.9693	0.0756	-0.0423	-0.012	0.0212
1064	9.69	9.95	3.19	2.7833	-0.0027	5.9706	0.0822	-0.0406	-0.0116	0.03

1065	9.75	10.1	3.1913	2.7832	-0.0028	5.9717	0.0828	-0.0366	-0.0115	0.0347
1066	9.93	10.2	3.1929	2.7836	-0.0029	5.9737	0.0822	-0.0327	-0.0114	0.0381
1067	10.2	10.3	3.1932	2.7836	-0.003	5.9738	0.0861	-0.03	-0.0114	0.0448
1068	10.2	10.4	3.193	2.784	-0.0032	5.9739	0.0963	-0.024	-0.0113	0.0611
1069	10.2	10.5	3.1914	2.7844	-0.0033	5.9725	0.112	-0.0217	-0.0148	0.0755
1070	10.6	10.5	3.1887	2.7844	-0.0033	5.9698	0.1187	-0.0211	-0.0148	0.0827
1071	10.8	10.6	3.1863	2.7843	-0.0034	5.9672	0.1246	-0.021	-0.013	0.0906
1072	11.1	10.7	3.1842	2.7843	-0.0034	5.9651	0.1277	-0.0163	-0.012	0.0994
1073	11.3	10.7	3.1831	2.7838	-0.0034	5.9635	0.1288	-0.0103	-0.0122	0.1063
1074	11.5	10.8	3.1822	2.784	-0.0034	5.9628	0.1328	-0.0128	-0.0109	0.1092
1075	11.2	10.8	3.1816	2.784	-0.0034	5.9623	0.137	-0.0052	-0.0065	0.1253
1076	10.7	10.9	3.1813	2.7842	-0.0032	5.9622	0.1403	0.0041	-0.0047	0.1396
1077	10.8	10.9	3.1815	2.784	-0.0033	5.9623	0.1389	0.0113	-0.0074	0.1428
1078	11	10.9	3.1812	2.784	-0.0034	5.9618	0.1389	0.0134	-0.01	0.1422
1079	10.9	11	3.1795	2.7843	-0.0035	5.9603	0.1401	0.0116	-0.0113	0.1404
1080	11.3	11	3.1785	2.7843	-0.0034	5.9593	0.1341	0.0074	-0.0143	0.1273
1081	11.6	11	3.1784	2.7846	-0.0035	5.9595	0.1227	0.0059	-0.0123	0.1163
1082	10.8	10.9	3.1779	2.7849	-0.0036	5.9593	0.112	0.0016	-0.0121	0.1015
1083	11.2	10.9	3.1776	2.7848	-0.0034	5.959	0.11	0.005	-0.0115	0.1035
1084	10.3	10.9	3.1769	2.7842	-0.0032	5.9579	0.1146	-0.0021	-0.0101	0.1024
1085	10.6	10.8	3.177	2.7842	-0.003	5.9582	0.1153	-0.006	-0.0115	0.0978
1086	10.9	10.8	3.177	2.7842	-0.0029	5.9583	0.1102	-0.0067	-0.0153	0.0882
1087	10.9	10.8	3.1764	2.7846	-0.0027	5.9583	0.098	-0.0099	-0.0192	0.0689
1088	11	10.8	3.1765	2.7847	-0.0027	5.9585	0.0904	-0.0128	-0.021	0.0566
1089	10.6	10.8	3.1769	2.7847	-0.0027	5.9589	0.0876	-0.0147	-0.017	0.0559
1090	10.8	10.8	3.1775	2.785	-0.003	5.9595	0.0971	-0.0199	-0.016	0.0612
1091	10.6	10.8	3.1774	2.7851	-0.0032	5.9593	0.112	-0.0318	-0.0169	0.0633
1092	10.8	10.8	3.1766	2.7855	-0.0032	5.9589	0.1178	-0.0315	-0.0107	0.0755
1093	10.2	10.7	3.1756	2.7857	-0.0033	5.9581	0.122	-0.0286	-0.0064	0.0871
1094	10.9	10.8	3.1742	2.7853	-0.0033	5.9562	0.1216	-0.0339	-0.0047	0.083
1095	10.9	10.8	3.1733	2.7851	-0.0033	5.9551	0.1198	-0.0339	-0.0015	0.0845
1096	10.7	10.7	3.1722	2.785	-0.0033	5.9539	0.1147	-0.0311	0.0005	0.0842
1097	11.1	10.7	3.1711	2.7851	-0.0034	5.9528	0.1106	-0.0318	0.0041	0.083
1098	10.3	10.7	3.1716	2.7851	-0.0032	5.9535	0.1157	-0.026	0.0062	0.0959
1099	10.6	10.8	3.1726	2.785	-0.003	5.9546	0.114	-0.0175	0.0058	0.1023
1100	11.2	10.8	3.1733	2.7853	-0.0028	5.9558	0.1122	-0.0122	0.0045	0.1045
1101	10.7	10.8	3.1732	2.7854	-0.0029	5.9557	0.1077	-0.0057	0.0067	0.1086

1102	10.7	10.8	3.1734	2.7853	-0.0031	5.9556	0.1067	0.0024	0.0113	0.1204
1103	10.7	10.8	3.1734	2.7854	-0.0031	5.9557	0.1143	0.0086	0.0116	0.1345
1104	10.7	10.8	3.1737	2.7856	-0.0032	5.9562	0.1259	0.0099	0.0114	0.1472
1105	10.7	10.8	3.1738	2.7855	-0.0033	5.956	0.1288	0.0065	0.0112	0.1465
1106	10.9	10.8	3.1731	2.7856	-0.0034	5.9552	0.1264	0.0068	0.0091	0.1422
1107	11	10.8	3.1727	2.7856	-0.0034	5.9549	0.1198	0.0121	0.0074	0.1394
1108	10.9	10.8	3.1721	2.7853	-0.0036	5.9538	0.1116	0.0191	0.0064	0.1372
1109	11.2	10.9	3.1725	2.7853	-0.0035	5.9543	0.0991	0.0168	0.0057	0.1216
1110	10.8	10.8	3.1747	2.7847	-0.0033	5.9561	0.0908	0.0129	0.0058	0.1095
1111	11.1	10.8	3.1772	2.7844	-0.0034	5.9582	0.0877	0.0072	0.006	0.1009
1112	10.5	10.8	3.1783	2.7848	-0.0033	5.9599	0.0848	0.0088	0.0069	0.1005
1113	11	10.8	3.1776	2.7847	-0.0033	5.9591	0.0857	0.0119	0.009	0.1066
1114	11.1	10.8	3.1777	2.7848	-0.0032	5.9592	0.1034	0.0152	0.0077	0.1264
1115	10.6	10.8	3.1777	2.7849	-0.0034	5.9592	0.1188	0.0087	0.0068	0.1342
1116	10.6	10.8	3.1771	2.785	-0.0035	5.9586	0.1372	0.0034	0.0068	0.1474
1117	11	10.8	3.176	2.785	-0.0035	5.9575	0.1562	0.0061	0.0081	0.1704
1118	10.7	10.8	3.1747	2.7849	-0.0033	5.9562	0.1611	0.0085	0.0085	0.178
1119	10.2	10.7	3.1741	2.7848	-0.0034	5.9556	0.167	0.0163	0.0064	0.1896
1120	10	10.7	3.1732	2.785	-0.0035	5.9547	0.1584	0.018	0.0034	0.1798
1121	11	10.7	3.1723	2.7848	-0.0036	5.9535	0.1375	0.0158	0.002	0.1553
1122	10.8	10.8	3.1719	2.7844	-0.0036	5.9528	0.118	0.0179	0.0025	0.1384
1123	10.5	10.7	3.1713	2.7845	-0.0036	5.9522	0.1004	0.0172	0.0034	0.1211
1124	10.8	10.7	3.1711	2.7839	-0.0038	5.9513	0.087	0.0111	0.0029	0.101
1125	10.9	10.7	3.171	2.7834	-0.0038	5.9506	0.0734	0.0134	0.0014	0.0882
1126	11.1	10.7	3.1713	2.783	-0.0038	5.9506	0.063	0.0134	0.0021	0.0784
1127	10.9	10.7	3.1713	2.7829	-0.0036	5.9506	0.0608	0.0147	0.0048	0.0803
1128	10.7	10.7	3.1714	2.7831	-0.0036	5.9509	0.073	0.0167	0.0017	0.0914
1129	10.6	10.8	3.1722	2.7832	-0.0034	5.952	0.0747	0.0183	0	0.093
1130	10.8	10.8	3.1737	2.7828	-0.0036	5.9529	0.0587	0.0201	-0.0006	0.0782
1131	11	10.7	3.1749	2.783	-0.0035	5.9544	0.0509	0.0187	-0.0011	0.0685
1132	10.6	10.7	3.1754	2.7826	-0.0034	5.9546	0.0442	0.0216	0.0007	0.0665
1133	11.3	10.7	3.175	2.7828	-0.0035	5.9543	0.039	0.0257	0.0018	0.0665
1134	10.1	10.7	3.1748	2.7828	-0.0034	5.9543	0.0336	0.0241	0.0052	0.0628
1135	10.3	10.7	3.1751	2.783	-0.003	5.955	0.0289	0.0157	0.008	0.0525
1136	10.9	10.7	3.1763	2.7831	-0.0029	5.9565	0.0331	0.0165	0.0085	0.0581
1137	11.2	10.7	3.1772	2.7833	-0.0032	5.9574	0.0351	0.0178	0.0083	0.0612
1138	10.8	10.7	3.1769	2.7835	-0.0035	5.9569	0.0314	0.0237	0.0093	0.0644

1139	10.3	10.8	3.1753	2.7834	-0.0037	5.955	0.0264	0.0289	0.0086	0.0639
1140	10.5	10.8	3.1735	2.7836	-0.0037	5.9534	0.0213	0.03	0.0081	0.0594
1141	10.4	10.8	3.1729	2.7835	-0.0039	5.9524	0.0232	0.0325	0.0064	0.0621
1142	10.4	10.8	3.1716	2.7827	-0.0041	5.9503	0.0156	0.0325	0.0044	0.0525
1143	11.1	10.7	3.1713	2.7827	-0.0039	5.9501	0.0085	0.0389	0.004	0.0514
1144	10.7	10.8	3.1713	2.7825	-0.0038	5.95	-0.003	0.0408	0.0031	0.0409
1145	10.6	10.8	3.1716	2.7822	-0.0037	5.9501	-0.0145	0.0359	0.0026	0.0239
1146	11.2	10.8	3.1717	2.7824	-0.0039	5.9503	-0.026	0.0313	0.0051	0.0103
1147	11	10.8	3.1711	2.7826	-0.0039	5.9499	-0.0393	0.0259	0.0061	-0.0073
1148	11.1	10.7	3.1709	2.7825	-0.004	5.9494	-0.0477	0.028	0.0025	-0.0171
1149	10.9	10.8	3.1706	2.7824	-0.0038	5.9492	-0.0396	0.0271	0.0057	-0.0068
1150	10.9	10.8	3.1704	2.7825	-0.0039	5.9491	-0.0288	0.0242	0.0116	0.007
1151	10.8	10.8	3.1709	2.7825	-0.004	5.9493	-0.0227	0.029	0.0156	0.0219
1152	10.7	10.9	3.1705	2.7822	-0.0041	5.9486	-0.0224	0.0327	0.0139	0.0242
1153	10.9	10.8	3.1702	2.7819	-0.0042	5.9479	-0.0181	0.0316	0.0101	0.0235
1154	10.6	10.8	3.1706	2.7822	-0.004	5.9488	-0.0202	0.0347	0.0121	0.0266
1155	10.7	10.8	3.1709	2.7821	-0.0039	5.9491	-0.0183	0.034	0.0132	0.029
1156	11	10.8	3.1722	2.7817	-0.0039	5.95	-0.0238	0.0328	0.0115	0.0205
1157	10.5	10.8	3.1733	2.7818	-0.0038	5.9513	-0.0346	0.034	0.0112	0.0106
1158	10.9	10.8	3.1746	2.782	-0.0037	5.9529	-0.0412	0.0334	0.0106	0.0028
1159	11.2	10.7	3.1756	2.7821	-0.0036	5.9541	-0.0502	0.0311	0.0076	-0.0116
1160	11	10.7	3.1765	2.782	-0.0036	5.9549	-0.0511	0.0324	0.0081	-0.0106
1161	10.6	10.7	3.1773	2.7821	-0.0036	5.9558	-0.0291	0.0277	0.0099	0.0085
1162	10.5	10.7	3.1779	2.7823	-0.0036	5.9566	0.001	0.0273	0.0085	0.0367
1163	10.7	10.7	3.178	2.7821	-0.0035	5.9566	0.0144	0.0307	0.009	0.0541
1164	10.8	10.7	3.1781	2.7824	-0.0034	5.9572	0.0088	0.032	0.0129	0.0537
1165	10.4	10.7	3.1776	2.7829	-0.0035	5.957	0.0071	0.033	0.0135	0.0536
1166	10.5	10.7	3.1773	2.783	-0.0037	5.9566	0.0067	0.0375	0.0094	0.0537
1167	11.1	10.8	3.1771	2.7828	-0.0039	5.956	-0.0023	0.0382	0.0083	0.0442
1168	10.4	10.7	3.1763	2.7824	-0.0038	5.955	-0.0148	0.0373	0.0064	0.0289
1169	10.2	10.7	3.1756	2.7826	-0.0037	5.9545	-0.0318	0.0351	0.0048	0.0081
1170	10.8	10.7	3.1749	2.7828	-0.0035	5.9542	-0.0384	0.0304	0.0021	-0.006
1171	10.6	10.7	3.1745	2.7825	-0.0036	5.9534	-0.0538	0.0291	0.001	-0.0237
1172	10.8	10.7	3.1741	2.7826	-0.0037	5.953	-0.073	0.0248	0	-0.0483
1173	10.8	10.7	3.1744	2.7827	-0.0037	5.9534	-0.0787	0.0219	0.0008	-0.0559
1174	10.9	10.6	3.1749	2.7827	-0.0035	5.954	-0.0828	0.0227	0.0005	-0.0595
1175	10.9	10.7	3.1753	2.7827	-0.0036	5.9544	-0.0908	0.0197	-0.0012	-0.0724

1176	11.1	10.7	3.1752	2.7827	-0.0037	5.9542	-0.0996	0.0145	-0.0006	-0.0856
1177	10.5	10.6	3.1742	2.7824	-0.0034	5.9532	-0.1103	0.0143	0.0005	-0.0954
1178	10.5	10.6	3.1737	2.7822	-0.0034	5.9525	-0.1163	0.0146	0.0041	-0.0977
1179	10.9	10.7	3.1736	2.7823	-0.0034	5.9525	-0.13	0.0164	0.0059	-0.1077
1180	10.5	10.7	3.1734	2.7824	-0.0033	5.9525	-0.1278	0.0197	0.0067	-0.1014
1181	10.6	10.7	3.174	2.7824	-0.0035	5.9528	-0.103	0.0182	0.0069	-0.0779
1182	10.1	10.6	3.174	2.7824	-0.0038	5.9526	-0.0726	0.0242	0.0085	-0.0399
1183	10.6	10.6	3.1743	2.7824	-0.0039	5.9527	-0.0551	0.0201	0.0085	-0.0265
1184	10.6	10.6	3.174	2.7826	-0.004	5.9527	-0.0566	0.0194	0.0066	-0.0306
1185	10.8	10.6	3.1737	2.7825	-0.0038	5.9524	-0.0489	0.0183	0.0081	-0.0225
1186	10.6	10.5	3.1735	2.7824	-0.0037	5.9522	-0.0393	0.0188	0.0101	-0.0104
1187	10.5	10.5	3.1733	2.7823	-0.0036	5.9519	-0.0269	0.0186	0.0083	0
1188	11	10.5	3.1738	2.7818	-0.0035	5.9521	-0.0481	0.0165	0.0052	-0.0264
1189	10.7	10.5	3.1748	2.7817	-0.0035	5.953	-0.0679	0.0147	0.0047	-0.0485
1190	10.6	10.5	3.1752	2.7817	-0.0036	5.9533	-0.0826	0.0138	0.0027	-0.0661
1191	9.69	10.4	3.1758	2.7819	-0.0036	5.9541	-0.1063	0.0187	0.0007	-0.0869
1192	10.3	10.4	3.1757	2.7816	-0.0036	5.9537	-0.1142	0.0166	-0.0012	-0.0987
1193	10.4	10.4	3.1759	2.7816	-0.0036	5.954	-0.1011	0.0097	-0.0016	-0.0929
1194	10.8	10.4	3.1757	2.7817	-0.0036	5.9538	-0.0904	0.0123	0.001	-0.0771
1195	10.5	10.4	3.1759	2.782	-0.0038	5.9541	-0.0904	0.0103	0.0012	-0.0789
1196	10.4	10.4	3.1762	2.7824	-0.0039	5.9547	-0.0936	0.0084	0.0012	-0.084
1197	10.7	10.4	3.1759	2.7823	-0.0036	5.9545	-0.0981	0.0115	-0.001	-0.0876
1198	10.1	10.3	3.1756	2.7824	-0.0037	5.9542	-0.0931	0.0109	-0.0024	-0.0846
1199	10.2	10.3	3.1755	2.7825	-0.0041	5.9539	-0.0774	0.0047	-0.002	-0.0747
1200	9.77	10.3	3.1756	2.7824	-0.0044	5.9536	-0.0692	0.003	-0.0014	-0.0676
1201	10.2	10.3	3.1754	2.7821	-0.0043	5.9532	-0.0629	0.005	-0.0025	-0.0605
1202	10.2	10.3	3.1752	2.7821	-0.0041	5.9532	-0.0595	0.0048	-0.0043	-0.0589
1203	10.2	10.3	3.1754	2.7819	-0.0043	5.953	-0.0647	-0.002	-0.0043	-0.071
1204	10.1	10.3	3.1756	2.7822	-0.0045	5.9533	-0.0613	-0.0052	-0.007	-0.0735
1205	10.5	10.3	3.1762	2.7822	-0.0044	5.9539	-0.0582	-0.0034	-0.0069	-0.0684
1206	10.3	10.3	3.1765	2.7822	-0.0045	5.9542	-0.0534	-0.0096	-0.007	-0.07
1207	10.3	10.3	3.1768	2.7823	-0.0045	5.9546	-0.0357	-0.0149	-0.0059	-0.0565
1208	10.2	10.3	3.1771	2.7822	-0.0044	5.955	-0.0138	-0.0146	-0.0033	-0.0316
1209	10.1	10.3	3.1776	2.782	-0.0043	5.9554	0.0086	-0.0149	-0.0011	-0.0074
1210	10.2	10.4	3.1776	2.782	-0.0043	5.9553	0.0214	-0.0144	0.0015	0.0085
1211	10.4	10.4	3.1771	2.7817	-0.0042	5.9545	0.0281	-0.016	0.002	0.0141
1212	10.2	10.4	3.1769	2.7818	-0.0042	5.9545	0.0278	-0.015	0.0038	0.0166

1213	10.1	10.4	3.1767	2.7815	-0.0046	5.9537	0.026	-0.0089	0.003	0.0201
1214	10.5	10.4	3.177	2.7815	-0.0046	5.9539	0.0204	-0.0122	0.0042	0.0124
1215	10.4	10.4	3.177	2.7811	-0.0043	5.9538	0.0156	-0.0037	0.0037	0.0156
1216	10.7	10.4	3.1773	2.7812	-0.0043	5.9542	0.0002	0.0005	0.0014	0.0021
1217	11.1	10.4	3.1775	2.7813	-0.0041	5.9546	-0.0065	0.0043	0.0002	-0.0021
1218	10.5	10.4	3.1778	2.7814	-0.0038	5.9554	-0.0067	0.0022	-0.002	-0.0065
1219	10.4	10.4	3.178	2.7818	-0.0036	5.9561	-0.0056	0.0011	-0.0024	-0.007
1220	10.3	10.4	3.1786	2.7821	-0.0036	5.9571	-0.0057	0.0036	-0.0033	-0.0053
1221	10.3	10.4	3.1796	2.7823	-0.0036	5.9583	-0.0151	0.0069	-0.0023	-0.0105
1222	10.2	10.4	3.1798	2.7822	-0.0037	5.9583	-0.0266	0.0051	-0.0033	-0.0249
1223	10.2	10.4	3.1796	2.7822	-0.0036	5.9582	-0.0324	0.0016	-0.0019	-0.0327
1224	10.9	10.4	3.1802	2.782	-0.0037	5.9585	-0.0225	0.0029	0.0009	-0.0187
1225	10.3	10.4	3.181	2.7819	-0.0038	5.9591	-0.0039	0.0076	0.0016	0.0053
1226	10.5	10.4	3.1823	2.7816	-0.0038	5.9601	-0.0031	0.0069	0.0002	0.004
1227	10.1	10.4	3.183	2.7814	-0.004	5.9603	-0.0211	0.0055	-0.0019	-0.0175
1228	10.1	10.4	3.1844	2.7815	-0.0042	5.9617	-0.0388	0.0046	-0.0004	-0.0347
1229	10.4	10.3	3.185	2.7813	-0.0041	5.9621	-0.06	0.0024	-0.0003	-0.0579
1230	10.2	10.3	3.184	2.781	-0.0043	5.9607	-0.0677	0	-0.001	-0.0686
1231	10.1	10.3	3.1822	2.7806	-0.0044	5.9584	-0.0644	-0.0006	-0.0007	-0.0657
1232	10.6	10.2	3.1809	2.7806	-0.0043	5.9572	-0.0476	0.0038	-0.0034	-0.0472
1233	10.6	10.2	3.1806	2.7809	-0.0041	5.9574	-0.0474	0.0038	-0.0056	-0.0492
1234	10.5	10.2	3.1797	2.781	-0.0042	5.9565	-0.0481	0.006	-0.0074	-0.0494
1235	10.5	10.1	3.179	2.7811	-0.0041	5.9561	-0.0516	0.0054	-0.008	-0.0542
1236	10.2	10.1	3.179	2.7813	-0.0038	5.9565	-0.0569	0.0025	-0.0064	-0.0608
1237	10.3	10.1	3.1821	2.7816	-0.0037	5.96	-0.0612	0.001	-0.005	-0.0652
1238	9.74	10.1	3.1837	2.782	-0.004	5.9617	-0.0619	-0.0005	-0.0032	-0.0656
1239	9.97	10.1	3.1836	2.782	-0.004	5.9616	-0.0479	-0.0058	-0.0001	-0.0538
1240	9.7	10.1	3.1842	2.7817	-0.0038	5.9621	-0.0331	-0.0062	0.001	-0.0383
1241	9.6	10.1	3.1843	2.7818	-0.0038	5.9623	-0.0263	-0.007	-0.0003	-0.0335
1242	9.9	10.1	3.1818	2.7817	-0.0039	5.9595	-0.0125	-0.0055	-0.001	-0.019
1243	9.8	10.1	3.1803	2.7815	-0.004	5.9578	-0.0058	-0.0085	-0.0015	-0.0158
1244	9.63	10.1	3.1804	2.7814	-0.0039	5.9579	-0.0021	-0.0056	-0.0018	-0.0096
1245	9.57	10.1	3.181	2.7814	-0.0039	5.9585	-0.0007	0.0001	-0.0009	-0.0015
1246	10.2	10.1	3.1815	2.7813	-0.0038	5.9591	0.0045	0.0014	-0.0017	0.0042
1247	10.5	10.2	3.1804	2.7815	-0.0036	5.9583	-0.0001	0.0056	-0.0021	0.0034
1248	10.1	10.2	3.1786	2.782	-0.0038	5.9569	-0.0017	0.0076	0.0006	0.0065
1249	10.1	10.2	3.1775	2.7821	-0.0037	5.9559	0.0062	0.0048	-0.0043	0.0067

1250	10.8	10.2	3.1767	2.782	-0.0036	5.9551	-0.0202	0.0034	-0.0082	-0.0249
1251	10.8	10.2	3.1768	2.782	-0.0036	5.9552	-0.0368	-0.0004	-0.0115	-0.0487
1252	10.4	10.3	3.177	2.7824	-0.0037	5.9557	-0.0324	-0.0021	-0.0101	-0.0446
1253	10.7	10.3	3.1763	2.7824	-0.0035	5.9552	-0.0201	0.0015	-0.0083	-0.0269
1254	10.3	10.3	3.1765	2.7825	-0.0033	5.9556	-0.0049	0.0008	-0.0104	-0.0145
1255	10.7	10.3	3.1762	2.7831	-0.0032	5.9561	0.0097	0.0026	-0.0092	0.0031
1256	10.5	10.3	3.1758	2.7832	-0.0033	5.9557	0.0181	-0.0007	-0.0052	0.0122
1257	10.2	10.3	3.1747	2.7833	-0.0035	5.9545	0.0272	-0.0005	-0.005	0.0218
1258	10.3	10.3	3.1738	2.7835	-0.0036	5.9537	0.0374	0.0046	-0.0059	0.036
1259	10.1	10.2	3.1735	2.7836	-0.0037	5.9533	0.0413	0.0035	-0.0063	0.0386
1260	10.3	10.2	3.1737	2.7836	-0.0038	5.9535	0.0387	0.0038	-0.006	0.0365
1261	10.6	10.2	3.1745	2.7836	-0.004	5.9541	0.0325	0.0055	-0.006	0.032
1262	10.1	10.1	3.1753	2.7832	-0.0039	5.9546	0.0246	0.0051	-0.0033	0.0264
1263	9.81	10.1	3.1759	2.7834	-0.0039	5.9554	0.0222	0.0137	-0.0041	0.0319
1264	9.87	10.1	3.1766	2.7828	-0.0038	5.9556	0.0249	0.0136	-0.0084	0.0302
1265	10	10.1	3.1776	2.7828	-0.0036	5.9568	0.032	0.0156	-0.0082	0.0394
1266	9.96	10.1	3.178	2.7826	-0.0037	5.9568	0.0331	0.0127	-0.0055	0.0403
1267	9.84	10.1	3.1778	2.7826	-0.0037	5.9566	0.0337	0.0108	-0.0039	0.0406
1268	9.63	10.1	3.1769	2.7823	-0.0036	5.9557	0.0282	0.013	-0.0033	0.0379
1269	9.62	10.1	3.1762	2.7822	-0.0033	5.955	0.0283	0.0121	-0.0007	0.0397
1270	10.5	10.1	3.1764	2.7821	-0.0033	5.9553	0.0263	0.0114	0.0014	0.0391
1271	9.94	10.1	3.1772	2.782	-0.0033	5.9559	0.0314	0.0135	0.0023	0.0472
1272	10.3	10.1	3.1774	2.7824	-0.0036	5.9563	0.0418	0.0153	0.0037	0.0608
1273	10.1	10.1	3.1767	2.7824	-0.0038	5.9553	0.0462	0.0119	0.005	0.0631
1274	10.2	10.2	3.1753	2.7819	-0.0037	5.9535	0.0497	0.0057	0.0075	0.0629
1275	10.4	10.2	3.1756	2.782	-0.0036	5.954	0.067	0.0027	0.0121	0.0818
1276	10.2	10.3	3.1773	2.7822	-0.0035	5.9559	0.0757	0.0002	0.0153	0.0913
1277	10.3	10.3	3.1781	2.7819	-0.0034	5.9566	0.0835	0.0012	0.0181	0.1029
1278	10.2	10.4	3.1797	2.782	-0.0034	5.9583	0.0862	0.001	0.0165	0.1037
1279	10.3	10.5	3.1804	2.7823	-0.0033	5.9594	0.1036	0.0093	0.0119	0.1249
1280	10.1	10.5	3.1798	2.7825	-0.0033	5.959	0.1113	0.0093	0.0102	0.1308
1281	10.6	10.6	3.1787	2.782	-0.0032	5.9576	0.1018	0.0062	0.0099	0.1178
1282	10.7	10.6	3.1788	2.782	-0.0032	5.9576	0.0818	0.0027	0.0099	0.0944
1283	10.7	10.6	3.1791	2.7818	-0.0032	5.9577	0.0687	0.008	0.0115	0.0881
1284	11.1	10.6	3.1792	2.7821	-0.0032	5.9581	0.0685	0.0133	0.0111	0.0929
1285	10.9	10.6	3.1794	2.7823	-0.0032	5.9585	0.0615	0.0165	0.0088	0.0869
1286	10.4	10.7	3.1796	2.7823	-0.0032	5.9587	0.0516	0.0193	0.0061	0.0769

1287	11.3	10.7	3.1795	2.7823	-0.0033	5.9584	0.0463	0.0181	0.0074	0.0718
1288	10.9	10.7	3.1786	2.7824	-0.0035	5.9575	0.0726	0.0194	0.01	0.102
1289	11	10.8	3.1781	2.7823	-0.0036	5.9568	0.0848	0.0159	0.0073	0.108
1290	11.1	10.8	3.1778	2.7824	-0.0036	5.9566	0.0772	0.0178	0.0079	0.1029
1291	10.8	10.8	3.177	2.7824	-0.0035	5.956	0.0763	0.0141	0.0092	0.0997
1292	10.7	10.9	3.1763	2.7825	-0.0035	5.9553	0.0721	0.0144	0.0104	0.0969
1293	10.6	10.9	3.1762	2.7822	-0.0034	5.9549	0.046	0.0126	0.0103	0.0689
1294	10.6	10.8	3.1758	2.7817	-0.0035	5.954	0.0315	0.013	0.009	0.0535
1295	11.1	10.8	3.1754	2.7818	-0.0036	5.9536	0.0311	0.0155	0.0082	0.0548
1296	10.4	10.8	3.1762	2.7818	-0.0037	5.9543	0.04	0.0143	0.0068	0.0611
1297	11.1	10.8	3.1761	2.7815	-0.0037	5.9539	0.0492	0.0151	0.0087	0.073
1298	10.6	10.8	3.175	2.7819	-0.0033	5.9535	0.041	0.0205	0.0115	0.073
1299	11.5	10.8	3.1775	2.7822	-0.0033	5.9564	0.0206	0.0243	0.0095	0.0544
1300	10.6	10.7	3.1793	2.7824	-0.0032	5.9585	0.0102	0.0213	0.008	0.0394
1301	11	10.7	3.1787	2.7823	-0.0033	5.9577	0.0013	0.022	0.0059	0.0293
1302	10.9	10.7	3.1772	2.7819	-0.0033	5.9559	0.0021	0.022	0.0038	0.0279
1303	10.4	10.7	3.1759	2.7818	-0.0033	5.9545	0.0017	0.0232	0.0008	0.0258
1304	10.5	10.7	3.1746	2.7819	-0.0036	5.953	-0.0134	0.0183	0.0005	0.0054
1305	10.8	10.6	3.1744	2.7823	-0.0039	5.9527	-0.0232	0.018	0.0023	-0.0029
1306	10.9	10.6	3.1738	2.7822	-0.004	5.952	-0.0304	0.0224	0.0026	-0.0053
1307	10.9	10.6	3.1731	2.7818	-0.0039	5.951	-0.0378	0.0234	0.0001	-0.0143
1308	10.1	10.6	3.173	2.7818	-0.0037	5.9511	-0.0511	0.0236	-0.0026	-0.0301
1309	9.88	10.5	3.1738	2.7816	-0.0037	5.9517	-0.0625	0.0213	-0.0037	-0.0449
1310	10.8	10.5	3.1744	2.7814	-0.0037	5.9521	-0.0691	0.0181	-0.0041	-0.0552
1311	10.6	10.5	3.1746	2.7812	-0.0039	5.9519	-0.0761	0.0162	-0.0032	-0.0631
1312	10.7	10.5	3.1747	2.7804	-0.0038	5.9513	-0.075	0.016	-0.0048	-0.0638
1313	10.1	10.4	3.1742	2.7802	-0.0037	5.9507	-0.069	0.0148	-0.0031	-0.0573
1314	10.4	10.4	3.1738	2.7799	-0.0038	5.9499	-0.0546	0.0146	-0.0049	-0.045
1315	10.4	10.4	3.1737	2.7798	-0.0038	5.9498	-0.04	0.0072	-0.0045	-0.0373
1316	10.2	10.3	3.1739	2.7801	-0.0039	5.9502	-0.0252	0.0075	0.0005	-0.0172
1317	10.3	10.3	3.1747	2.78	-0.0038	5.9508	-0.0235	0.0019	0.004	-0.0176
1318	10.5	10.3	3.175	2.7802	-0.0038	5.9515	-0.0275	0.0049	0.004	-0.0186
1319	10.3	10.3	3.1753	2.7806	-0.0037	5.9522	-0.0323	0.0085	0.0059	-0.018
1320	10.4	10.3	3.1755	2.7807	-0.0038	5.9524	-0.0441	0.01	0.0081	-0.026
1321	10.4	10.2	3.1754	2.7808	-0.004	5.9522	-0.0472	0.0093	0.008	-0.0299
1322	10.2	10.2	3.1752	2.781	-0.0042	5.952	-0.0397	0.01	0.0098	-0.0199
1323	10.2	10.2	3.1747	2.7816	-0.0044	5.9519	-0.0409	0.0152	0.0092	-0.0165

1324	9.77	10.2	3.1735	2.7817	-0.0049	5.9503	-0.0474	0.0158	0.0064	-0.0252
1325	10.2	10.2	3.1734	2.7819	-0.0053	5.95	-0.0525	0.0118	0.0053	-0.0353
1326	10.4	10.2	3.174	2.7815	-0.0056	5.9499	-0.0398	0.0131	0.0034	-0.0232
1327	10.1	10.2	3.1743	2.7813	-0.0057	5.95	-0.0252	0.0145	0.0051	-0.0055
1328	10	10.2	3.174	2.7805	-0.0054	5.9492	-0.0174	0.0091	0.004	-0.0043
1329	9.86	10.2	3.1738	2.7803	-0.0051	5.949	0.0037	0.0119	0.0043	0.0199
1330	10.1	10.2	3.1738	2.7803	-0.0052	5.9489	0.0136	0.0162	0.0054	0.0352
1331	10.5	10.1	3.174	2.7803	-0.0054	5.9489	0.0125	0.0143	0.0075	0.0343
1332	10.1	10.1	3.174	2.7798	-0.0054	5.9484	-0.0005	0.0103	0.008	0.0177
1333	10.1	10.1	3.1738	2.7795	-0.0053	5.9481	-0.0077	0.012	0.008	0.0123
1334	10.4	10.1	3.1735	2.7793	-0.005	5.9478	-0.0073	0.0111	0.008	0.0119
1335	9.97	10.1	3.1738	2.7792	-0.0047	5.9484	-0.0062	0.0144	0.0074	0.0156
1336	10.3	10.1	3.1743	2.7795	-0.0045	5.9493	-0.0167	0.0138	0.0063	0.0034
1337	10.6	10.1	3.1748	2.7797	-0.0047	5.9498	-0.0231	0.013	0.006	-0.0041
1338	9.79	10	3.1752	2.7804	-0.0047	5.9509	-0.0255	0.0097	0.0066	-0.0092
1339	10	10	3.1759	2.7802	-0.0048	5.9513	-0.0338	0.0108	0.0058	-0.0172
1340	10.1	10	3.1765	2.7803	-0.0047	5.9521	-0.0432	0.0152	0.006	-0.022
1341	9.9	9.99	3.1771	2.7804	-0.0049	5.9526	-0.0354	0.0142	0.0043	-0.0169
1342	9.7	9.98	3.1772	2.7805	-0.005	5.9527	-0.0355	0.0185	0.0051	-0.0118
1343	9.88	9.98	3.1772	2.7802	-0.0049	5.9525	-0.0442	0.0184	0.0062	-0.0196
1344	9.91	9.94	3.1772	2.7799	-0.0047	5.9524	-0.052	0.0106	0.0063	-0.0351
1345	10.1	9.93	3.177	2.78	-0.0045	5.9524	-0.0566	0.0029	0.0072	-0.0465
1346	10.1	9.92	3.1766	2.7798	-0.0046	5.9518	-0.0496	0.0031	0.0066	-0.0399
1347	9.49	9.9	3.1763	2.7795	-0.0048	5.951	-0.0315	0.0047	0.0055	-0.0214
1348	9.7	9.91	3.1766	2.7796	-0.0047	5.9514	-0.0233	0.0038	0.0068	-0.0126
1349	10.2	9.93	3.1765	2.78	-0.0045	5.952	-0.0187	0.0075	0.0118	0.0005
1350	9.51	9.93	3.1766	2.7798	-0.0042	5.9522	0.0174	0.0103	0.012	0.0397
1351	9.91	9.95	3.1766	2.7798	-0.004	5.9524	0.0527	0.0137	0.0121	0.0784
1352	10.1	10	3.1768	2.7801	-0.0038	5.9531	0.059	0.0114	0.0082	0.0786
1353	9.58	10	3.1777	2.7805	-0.0035	5.9547	0.0462	0.0075	0.0083	0.062
1354	9.87	10.1	3.1788	2.7807	-0.0036	5.9559	0.033	0.0083	0.0102	0.0515
1355	10.2	10.1	3.1793	2.7808	-0.0035	5.9566	0.021	0.0099	0.0063	0.0373
1356	10.1	10.1	3.1795	2.7809	-0.0033	5.9571	0.0208	0.0162	0.0025	0.0396
1357	10	10.2	3.1798	2.7809	-0.0032	5.9575	-0.0076	0.0181	0.0003	0.0108
1358	10.4	10.2	3.18	2.7813	-0.0032	5.9582	-0.0513	0.0152	0.0019	-0.0341
1359	10	10.2	3.1804	2.7818	-0.0033	5.9588	-0.0767	0.0175	0.0027	-0.0564
1360	10.4	10.3	3.1813	2.782	-0.0035	5.9598	-0.0882	0.0139	0.0041	-0.0702

1361	10.6	10.3	3.182	2.782	-0.0035	5.9605	-0.0968	0.0114	0.0056	-0.0797
1362	10.5	10.4	3.1822	2.7817	-0.0036	5.9603	-0.1167	0.0142	0.0047	-0.0978
1363	10.4	10.4	3.1814	2.7819	-0.0034	5.9599	-0.1269	0.0063	0.0068	-0.1137
1364	10.6	10.5	3.1806	2.7821	-0.0033	5.9593	-0.1395	0.0088	0.0062	-0.1245
1365	10.5	10.5	3.1801	2.7821	-0.0037	5.9585	-0.1378	0.0111	0.0034	-0.1234
1366	10.7	10.5	3.1803	2.7824	-0.0041	5.9586	-0.1148	0.0093	0.0014	-0.104
1367	10.6	10.5	3.1805	2.7821	-0.0041	5.9585	-0.0941	0.0087	-0.0042	-0.0896
1368	10.7	10.5	3.1801	2.7814	-0.0041	5.9574	-0.0826	-0.0009	-0.005	-0.0885
1369	10.6	10.5	3.1806	2.7812	-0.0042	5.9576	-0.0829	-0.009	-0.0032	-0.0951
1370	10.8	10.5	3.1812	2.7812	-0.0041	5.9583	-0.0841	-0.008	-0.0021	-0.0942
1371	10.7	10.5	3.1811	2.781	-0.0043	5.9579	-0.0681	-0.0068	-0.0023	-0.0772
1372	10.3	10.5	3.1815	2.7809	-0.0045	5.9579	-0.0501	-0.0067	-0.0047	-0.0616
1373	10.5	10.5	3.1814	2.7808	-0.0044	5.9578	-0.0426	-0.0061	-0.0082	-0.0569
1374	10.3	10.5	3.1805	2.7807	-0.0042	5.957	-0.0467	-0.0007	-0.0114	-0.0588
1375	10.8	10.5	3.1796	2.7807	-0.0039	5.9564	-0.0646	-0.0029	-0.0155	-0.083
1376	10.4	10.5	3.1798	2.7807	-0.004	5.9565	-0.0749	-0.0022	-0.0184	-0.0955
1377	10.2	10.5	3.1799	2.781	-0.0038	5.9571	-0.0677	-0.0051	-0.0194	-0.0922
1378	10.1	10.5	3.1794	2.7808	-0.0038	5.9563	-0.0665	-0.0098	-0.0186	-0.095
1379	10.6	10.6	3.179	2.7807	-0.0038	5.9558	-0.0652	-0.0216	-0.0148	-0.1016
1380	10.4	10.5	3.1786	2.781	-0.004	5.9556	-0.0484	-0.0219	-0.0114	-0.0816
1381	10.6	10.5	3.1788	2.781	-0.004	5.9558	-0.0263	-0.0223	-0.0121	-0.0607
1382	10.3	10.5	3.1795	2.7808	-0.004	5.9563	-0.0054	-0.0197	-0.0113	-0.0364
1383	10.4	10.5	3.1798	2.7807	-0.004	5.9565	0.0092	-0.0217	-0.0103	-0.0228
1384	10.8	10.5	3.1798	2.7807	-0.0039	5.9565	0.0203	-0.0235	-0.0072	-0.0104
1385	11	10.5	3.181	2.7809	-0.0038	5.9581	0.0325	-0.0188	-0.0018	0.0118
1386	10.9	10.5	3.1819	2.781	-0.0038	5.9591	0.0501	-0.0168	0.0049	0.0382
1387	10.5	10.5	3.182	2.7813	-0.004	5.9594	0.063	-0.0108	0.0062	0.0583
1388	11	10.6	3.182	2.7813	-0.0041	5.9592	0.0815	-0.0055	0.004	0.08
1389	9.98	10.6	3.1824	2.7808	-0.0042	5.959	0.0894	-0.0007	0.0031	0.0917
1390	10.2	10.6	3.1814	2.781	-0.004	5.9583	0.0912	-0.0094	0.0021	0.0839
1391	10.8	10.6	3.1806	2.7806	-0.004	5.9572	0.0963	-0.003	0.0028	0.0961
1392	10.5	10.6	3.1807	2.7806	-0.0041	5.9573	0.0978	-0.0007	0.0012	0.0983
1393	10.6	10.6	3.1814	2.7811	-0.004	5.9584	0.0999	-0.0034	-0.0023	0.0941
1394	10.6	10.6	3.1814	2.7814	-0.0042	5.9587	0.0967	-0.005	-0.0058	0.0859
1395	10.4	10.6	3.1804	2.7815	-0.0043	5.9576	0.0957	-0.0026	-0.007	0.0861
1396	10.5	10.6	3.1793	2.7814	-0.0042	5.9565	0.0887	-0.0006	-0.0072	0.0808
1397	10.7	10.5	3.1784	2.7812	-0.0044	5.9552	0.0786	-0.0051	-0.0099	0.0636

1398	10.6	10.5	3.1768	2.7811	-0.0045	5.9535	0.0727	-0.0082	-0.013	0.0515
1399	11.1	10.5	3.1758	2.7812	-0.0045	5.9524	0.0749	-0.005	-0.0118	0.0581
1400	10.6	10.5	3.174	2.781	-0.0044	5.9506	0.0788	-0.0055	-0.0084	0.0649
1401	10.7	10.5	3.1728	2.7812	-0.0041	5.9498	0.0802	-0.0132	-0.0058	0.0612
1402	10.1	10.5	3.1726	2.7812	-0.0041	5.9497	0.0707	-0.0138	-0.0038	0.053
1403	10.3	10.4	3.1726	2.781	-0.0043	5.9493	0.06	-0.0102	-0.0046	0.0452
1404	11.2	10.4	3.1725	2.781	-0.0042	5.9493	0.064	-0.0071	-0.0053	0.0516
1405	10.3	10.4	3.1723	2.7806	-0.0042	5.9487	0.0642	-0.0123	-0.0065	0.0454
1406	10.3	10.4	3.1746	2.7804	-0.004	5.9509	0.065	-0.0119	-0.0044	0.0488
1407	10	10.4	3.1782	2.7803	-0.0041	5.9544	0.0638	-0.0071	-0.003	0.0537
1408	10.4	10.4	3.1807	2.7801	-0.004	5.9568	0.0611	-0.0063	-0.004	0.0508
1409	10.4	10.3	3.1826	2.7803	-0.0041	5.9587	0.0654	-0.0051	-0.0045	0.0558
1410	10.2	10.3	3.184	2.7803	-0.0043	5.96	0.0797	-0.0014	-0.0063	0.0719
1411	9.96	10.3	3.1863	2.7798	-0.0044	5.9617	0.0926	0.0023	-0.0065	0.0884
1412	10.1	10.3	3.1874	2.7798	-0.0045	5.9626	0.1006	0.0012	-0.0053	0.0965
1413	10.3	10.2	3.1882	2.7793	-0.0043	5.9631	0.1029	-0.0075	-0.0036	0.0919
1414	10.5	10.2	3.1876	2.7788	-0.0041	5.9623	0.0941	-0.0087	-0.001	0.0844
1415	10.3	10.1	3.1852	2.7789	-0.0039	5.9602	0.0819	-0.0089	0.0035	0.0765
1416	10.3	10.1	3.1834	2.7793	-0.0035	5.9591	0.0741	-0.0064	0.0013	0.069
1417	10.1	10.1	3.1829	2.7801	-0.0033	5.9597	0.074	-0.0019	-0.0049	0.0672
1418	9.83	10.1	3.1833	2.7811	-0.0034	5.961	0.0757	-0.0009	-0.0037	0.0711
1419	10.3	10.1	3.1838	2.7814	-0.0035	5.9617	0.0752	-0.0063	-0.0024	0.0666
1420	10.2	10.1	3.1823	2.7814	-0.0036	5.9601	0.0817	-0.008	-0.0023	0.0715
1421	10.1	10.2	3.1804	2.7814	-0.0035	5.9584	0.0863	-0.0054	-0.001	0.08
1422	9.64	10.2	3.1794	2.7817	-0.0033	5.9577	0.0863	-0.0023	-0.0037	0.0803
1423	9.7	10.2	3.1793	2.7817	-0.0032	5.9578	0.0871	-0.0025	-0.0072	0.0774
1424	9.99	10.2	3.18	2.782	-0.0033	5.9586	0.0721	-0.0009	-0.0073	0.0639
1425	9.88	10.2	3.1809	2.7821	-0.0035	5.9595	0.0467	-0.0008	-0.0053	0.0405
1426	10.5	10.1	3.1807	2.782	-0.0037	5.9591	0.0098	-0.0017	-0.0031	0.005
1427	10.2	10.2	3.181	2.7823	-0.0038	5.9595	-0.01	-0.0012	-0.0032	-0.0143
1428	10.2	10.2	3.1806	2.7827	-0.0039	5.9594	-0.0287	0.0037	-0.001	-0.026
1429	10.7	10.2	3.1787	2.7825	-0.004	5.9572	-0.0344	-0.0002	-0.001	-0.0356
1430	10.6	10.2	3.1764	2.7826	-0.004	5.9549	-0.0444	-0.0011	-0.0004	-0.0459
1431	10.3	10.2	3.1745	2.7823	-0.0042	5.9526	-0.057	0.0033	-0.0006	-0.0544
1432	10.3	10.3	3.1731	2.782	-0.0044	5.9507	-0.0605	0.0027	0.0022	-0.0556
1433	10.2	10.3	3.1718	2.7819	-0.0045	5.9491	-0.0493	0.0008	0.0035	-0.0449
1434	10.1	10.3	3.1703	2.7812	-0.0049	5.9467	-0.0243	0.0019	0.005	-0.0174

1435	9.97	10.3	3.1688	2.7809	-0.0052	5.9446	-0.0058	0.0012	0.0052	0.0006
1436	10.4	10.3	3.1681	2.7806	-0.0051	5.9435	0.0176	0.0026	0.0052	0.0253
1437	10.2	10.3	3.1666	2.7802	-0.0051	5.9418	0.0346	0.0012	0.0038	0.0396
1438	10.8	10.3	3.1663	2.7805	-0.005	5.9417	0.0461	0.002	0.0013	0.0494
1439	10.3	10.2	3.1668	2.7812	-0.005	5.9429	0.0545	0.0018	-0.0014	0.0549
1440	10.6	10.2	3.1669	2.7806	-0.005	5.9425	0.0633	-0.0055	-0.0038	0.054
1441	10	10.2	3.1673	2.7804	-0.005	5.9427	0.0499	-0.0033	0.0007	0.0473
1442	10.2	10.1	3.1672	2.7808	-0.0047	5.9432	0.039	-0.0081	0.0009	0.0318
1443	10.5	10.1	3.1675	2.7807	-0.0043	5.9439	0.0314	-0.0081	-0.0006	0.0227
1444	10.4	10.1	3.1677	2.7802	-0.004	5.9438	0.0371	-0.0056	0.0028	0.0343
1445	9.93	10	3.1681	2.78	-0.0038	5.9444	0.036	-0.0025	0.0025	0.036
1446	9.73	9.96	3.1688	2.7803	-0.0036	5.9454	0.0288	-0.0023	0.002	0.0285
1447	10.1	9.94	3.1691	2.7803	-0.0035	5.9459	0.0198	-0.0036	0.0029	0.0192
1448	9.79	9.91	3.1691	2.7801	-0.0035	5.9456	0.0122	-0.0064	0.0017	0.0075
1449	10.1	9.91	3.1686	2.7805	-0.0037	5.9455	0.0021	-0.0056	-0.0006	-0.004
1450	9.56	9.89	3.1686	2.7811	-0.0036	5.9461	-0.0038	-0.0049	-0.001	-0.0097
1451	9.3	9.91	3.1695	2.7812	-0.0036	5.9471	-0.0214	-0.0074	-0.0008	-0.0297
1452	9.55	9.94	3.1708	2.7811	-0.0033	5.9486	-0.0336	-0.0061	0.001	-0.0387
1453	9.51	9.95	3.1713	2.7813	-0.003	5.9496	-0.0333	-0.006	0.0001	-0.0392
1454	9.19	9.98	3.1724	2.7819	-0.0029	5.9514	-0.0321	-0.0108	-0.0001	-0.0429
1455	9.43	10	3.1728	2.782	-0.003	5.9518	-0.035	-0.0104	0.0051	-0.0403
1456	9.86	10.1	3.1732	2.7816	-0.003	5.9517	-0.0373	-0.0074	0.0096	-0.0352
1457	10.3	10.1	3.1737	2.7815	-0.0028	5.9524	-0.0144	-0.0047	0.0117	-0.0073
1458	10.2	10.1	3.1735	2.7819	-0.0028	5.9526	0.0209	0.0013	0.0109	0.0331
1459	10.2	10.1	3.1724	2.7819	-0.0027	5.9516	0.0419	0.0016	0.0094	0.0529
1460	10.5	10.1	3.1721	2.7817	-0.0028	5.951	0.0633	0.005	0.0054	0.0737
1461	10.8	10.2	3.172	2.7819	-0.003	5.9509	0.0764	0.0086	0.0019	0.0869
1462	10.7	10.2	3.1719	2.7825	-0.0032	5.9511	0.0948	0.0046	-0.0004	0.099
1463	10.8	10.2	3.172	2.7828	-0.0033	5.9515	0.1004	0.0032	-0.0054	0.0982
1464	10.9	10.3	3.1724	2.783	-0.0037	5.9517	0.1097	-0.0011	-0.0068	0.1019
1465	10.2	10.4	3.1727	2.7827	-0.0038	5.9516	0.0997	-0.004	-0.0035	0.0921
1466	10.3	10.4	3.1729	2.7826	-0.0036	5.9519	0.0603	-0.0039	-0.0009	0.0555
1467	10.3	10.4	3.173	2.7822	-0.0037	5.9514	0.0356	-0.0073	0.0052	0.0334
1468	10.2	10.5	3.1726	2.7821	-0.0039	5.9508	0.029	-0.0003	0.0014	0.0301
1469	10.1	10.5	3.1724	2.782	-0.0039	5.9505	0.0297	0.0067	-0.0045	0.032
1470	10	10.5	3.1725	2.7817	-0.004	5.9503	0.0346	0.0093	-0.0003	0.0437
1471	10.2	10.5	3.1725	2.7813	-0.0039	5.9498	0.0228	0.0122	0.0023	0.0373

1472	10.4	10.5	3.1728	2.7811	-0.0037	5.9502	0.002	0.0129	0.004	0.0189
1473	10.3	10.4	3.1742	2.7809	-0.0037	5.9514	-0.0079	0.018	0.0066	0.0167
1474	10.5	10.4	3.1759	2.7808	-0.0037	5.953	-0.0085	0.0221	0.0086	0.0222
1475	10.7	10.4	3.1786	2.7809	-0.0036	5.9559	-0.01	0.0246	0.0063	0.0209
1476	10.7	10.4	3.1808	2.7808	-0.0037	5.9579	-0.0059	0.0279	0.0042	0.0261
1477	10.7	10.5	3.1827	2.7806	-0.0037	5.9597	-0.0102	0.0281	0.0022	0.0202
1478	10.7	10.5	3.1828	2.7808	-0.0037	5.9599	-0.0108	0.0326	0.0011	0.0229
1479	10.2	10.5	3.1834	2.7808	-0.0038	5.9604	-0.0192	0.0408	0	0.0216
1480	10.7	10.5	3.1843	2.7807	-0.0039	5.961	-0.0394	0.039	-0.002	-0.0024
1481	10.6	10.6	3.1848	2.7807	-0.0042	5.9613	-0.0667	0.0352	-0.0014	-0.0328
1482	10.4	10.6	3.1845	2.7807	-0.0044	5.9608	-0.0847	0.0281	-0.0029	-0.0595
1483	10.3	10.6	3.1822	2.7805	-0.0045	5.9582	-0.0976	0.0237	-0.0022	-0.0761
1484	10.6	10.6	3.1804	2.7805	-0.0045	5.9565	-0.1027	0.0261	-0.0015	-0.0781
1485	10.7	10.5	3.1793	2.7807	-0.0043	5.9556	-0.1128	0.0203	-0.0026	-0.0951
1486	10.7	10.5	3.1784	2.7809	-0.0042	5.9551	-0.1277	0.0165	-0.0047	-0.1158
1487	10.7	10.5	3.1774	2.7811	-0.0041	5.9544	-0.1358	0.0131	-0.0022	-0.1249
1488	11	10.5	3.1765	2.7811	-0.0039	5.9537	-0.1447	0.0143	-0.001	-0.1314
1489	10.1	10.5	3.1761	2.7814	-0.0038	5.9536	-0.1388	0.0207	-0.0009	-0.119
1490	10.7	10.5	3.1764	2.7813	-0.0041	5.9536	-0.1305	0.0301	-0.0034	-0.1038
1491	10.8	10.5	3.1767	2.7814	-0.0041	5.954	-0.1255	0.025	-0.0049	-0.1054
1492	10.4	10.5	3.1776	2.7814	-0.004	5.955	-0.124	0.0196	-0.0039	-0.1083
1493	10	10.5	3.1776	2.7817	-0.0043	5.955	-0.1323	0.023	-0.0023	-0.1116
1494	10.2	10.5	3.1778	2.7816	-0.0044	5.9551	-0.1334	0.0145	-0.0005	-0.1194
1495	10.3	10.5	3.1775	2.7818	-0.0045	5.9548	-0.1401	0.0094	-0.002	-0.1327
1496	10.5	10.4	3.1773	2.7817	-0.0045	5.9545	-0.1416	0.0116	-0.004	-0.134
1497	10.4	10.4	3.1772	2.7818	-0.0046	5.9544	-0.1433	0.0109	-0.0055	-0.138
1498	10.4	10.4	3.1766	2.7817	-0.0044	5.9539	-0.1451	0.0075	-0.0038	-0.1415
1499	10.2	10.4	3.1762	2.7817	-0.0044	5.9534	-0.1555	0.0047	-0.0048	-0.1556
1500	10.5	10.4	3.1761	2.7818	-0.0043	5.9536	-0.1703	0.0077	-0.0073	-0.1699
1501	10.5	10.4	3.1761	2.7818	-0.0042	5.9537	-0.1771	0.0104	-0.0066	-0.1733
1502	10.3	10.4	3.1759	2.7818	-0.0041	5.9536	-0.1757	0.01	-0.006	-0.1717
1503	10.6	10.4	3.1758	2.7821	-0.0043	5.9536	-0.1697	0.0075	-0.003	-0.1651
1504	10.8	10.4	3.176	2.782	-0.0047	5.9533	-0.1751	0.0077	-0.0007	-0.1681
1505	10.2	10.4	3.176	2.7814	-0.0051	5.9523	-0.1628	0.0134	-0.0028	-0.1522
1506	10.2	10.5	3.176	2.7809	-0.0052	5.9517	-0.1487	0.0112	-0.0052	-0.1428
1507	10.2	10.5	3.1761	2.7802	-0.0052	5.9511	-0.1296	0.0097	-0.0029	-0.1227
1508	10.7	10.5	3.1765	2.7799	-0.0049	5.9515	-0.1044	0.0081	0.0029	-0.0935

1509	10.7	10.5	3.1762	2.7798	-0.0046	5.9514	-0.0923	0.0091	0.0021	-0.0811
1510	10.5	10.5	3.1764	2.7794	-0.0044	5.9514	-0.0936	0.0108	0.001	-0.0818
1511	10.3	10.4	3.1768	2.7793	-0.0043	5.9518	-0.0784	0.0068	0.0001	-0.0715
1512	10.4	10.4	3.1773	2.7794	-0.0039	5.9528	-0.0661	0.0088	-0.0003	-0.0576
1513	10.7	10.4	3.1772	2.7794	-0.0037	5.953	-0.0571	0.0122	-0.0009	-0.0458
1514	10.3	10.4	3.1776	2.7792	-0.0038	5.9531	-0.0525	0.0112	0.0006	-0.0407
1515	10.7	10.4	3.1791	2.7793	-0.0038	5.9546	-0.0435	0.0137	-0.0021	-0.0318
1516	11	10.4	3.1798	2.78	-0.004	5.9558	-0.0366	0.013	-0.0023	-0.0258
1517	10.3	10.4	3.18	2.7801	-0.0035	5.9567	-0.03	0.0093	0.0015	-0.0191
1518	10.2	10.4	3.1803	2.7804	-0.003	5.9578	-0.024	0.0048	0.0016	-0.0176
1519	10.1	10.4	3.1803	2.7805	-0.0035	5.9573	-0.0192	0.0076	0	-0.0116
1520	9.8	10.3	3.18	2.7802	-0.0038	5.9564	-0.0255	0.01	0.0007	-0.0148
1521	9.88	10.3	3.1802	2.7802	-0.0039	5.9565	-0.0349	0.0069	0.0002	-0.0277
1522	10.1	10.3	3.1802	2.7799	-0.004	5.9561	-0.0361	0.008	0.0029	-0.0251
1523	10.3	10.3	3.1802	2.7795	-0.0041	5.9556	-0.0337	0.0116	0.0043	-0.0178
1524	10.5	10.3	3.181	2.7795	-0.004	5.9565	-0.023	0.0079	0.0036	-0.0115
1525	10.4	10.3	3.1815	2.7793	-0.0039	5.9569	-0.0182	0.0093	0.0026	-0.0063
1526	10.4	10.3	3.1818	2.7792	-0.0039	5.9571	-0.0018	0.0133	0.0033	0.0147
1527	10.4	10.3	3.1821	2.779	-0.0039	5.9572	0.0185	0.0102	0.0038	0.0324
1528	10.2	10.3	3.1825	2.7786	-0.0039	5.9572	0.0424	0.0026	0.006	0.0509
1529	10.2	10.3	3.1826	2.7786	-0.0038	5.9574	0.05	0.0023	0.0084	0.0607
1530	9.98	10.3	3.1831	2.779	-0.0039	5.9582	0.077	0.0019	0.0079	0.0869
1531	10.2	10.4	3.183	2.7795	-0.0039	5.9585	0.0992	0.0052	0.0058	0.1102
1532	10.1	10.4	3.1829	2.7796	-0.0042	5.9583	0.1166	0.0062	0.0046	0.1274
1533	10.7	10.5	3.182	2.7793	-0.0044	5.9569	0.1206	0.0102	0.0034	0.1342
1534	10.7	10.4	3.1816	2.7792	-0.0046	5.9562	0.1023	0.0101	0.0007	0.1131
1535	10.6	10.4	3.1816	2.7792	-0.0047	5.9561	0.0831	0.0122	-0.0032	0.0921
1536	10.5	10.4	3.1816	2.7792	-0.0049	5.956	0.0677	0.0163	-0.006	0.078
1537	10.4	10.4	3.1811	2.7788	-0.005	5.9549	0.0447	0.0132	-0.0065	0.0514
1538	10.2	10.4	3.1802	2.7784	-0.0049	5.9536	0.0059	0.0116	-0.0058	0.0117
1539	10.7	10.4	3.1798	2.7781	-0.0047	5.9533	-0.0206	0.0093	-0.0029	-0.0142
1540	10.9	10.5	3.1795	2.7781	-0.0045	5.953	-0.0431	0.009	-0.0027	-0.0369
1541	10.7	10.5	3.1797	2.7785	-0.0046	5.9536	-0.0405	0.0089	-0.0045	-0.0362
1542	10.9	10.5	3.1804	2.7785	-0.0045	5.9544	-0.0231	0.013	-0.0047	-0.0147
1543	10.2	10.4	3.1809	2.7792	-0.0043	5.9558	0.0038	0.0142	-0.0042	0.0138
1544	10.2	10.4	3.1817	2.7792	-0.0038	5.9571	0.0085	0.0185	-0.0088	0.0182
1545	9.9	10.4	3.1823	2.7789	-0.0034	5.9578	0.0148	0.0158	-0.0129	0.0176

1546	10.3	10.4	3.1831	2.7792	-0.0031	5.9592	0.0062	0.0089	-0.015	0.0001
1547	10.7	10.5	3.1836	2.7795	-0.0031	5.96	-0.0028	0.0076	-0.0164	-0.0117
1548	10.6	10.4	3.1846	2.7796	-0.0031	5.9612	-0.0076	0.0106	-0.0167	-0.0136
1549	10.4	10.5	3.1857	2.7798	-0.0029	5.9625	-0.008	0.0051	-0.0167	-0.0195
1550	10.2	10.5	3.1863	2.7801	-0.003	5.9634	-0.0141	-0.0005	-0.0164	-0.031
1551	10.2	10.5	3.1871	2.7802	-0.003	5.9643	-0.0127	0.0034	-0.0132	-0.0224
1552	10.3	10.4	3.1878	2.7803	-0.003	5.9651	-0.006	0.0037	-0.0076	-0.0099
1553	10.7	10.5	3.1888	2.7805	-0.0029	5.9664	-0.0031	0.002	-0.0016	-0.0027
1554	10.2	10.5	3.1886	2.7806	-0.0026	5.9666	0.0097	0.0077	-0.0013	0.0162
1555	10.7	10.6	3.1876	2.7809	-0.0025	5.966	0.0251	0.0115	-0.0057	0.0309
1556	10.6	10.6	3.1861	2.7806	-0.0027	5.964	0.0309	0.0095	-0.0108	0.0296
1557	10	10.6	3.1841	2.7807	-0.0031	5.9618	0.0312	0.0033	-0.0112	0.0233
1558	11	10.6	3.1827	2.7809	-0.003	5.9607	0.028	-0.0027	-0.0097	0.0156
1559	11	10.7	3.1818	2.7808	-0.0028	5.9598	0.0393	-0.0056	-0.0074	0.0264
1560	10.7	10.7	3.1799	2.7811	-0.0028	5.9581	0.0393	-0.0044	-0.0024	0.0325
1561	10.6	10.7	3.1786	2.781	-0.0029	5.9566	0.0338	-0.0057	-0.0005	0.0276
1562	10.6	10.8	3.1776	2.7813	-0.0031	5.9557	0.0356	-0.0044	-0.0003	0.0309
1563	10.9	10.7	3.1772	2.7816	-0.0034	5.9555	0.0382	-0.0006	0.0036	0.0412
1564	11.1	10.7	3.1767	2.7816	-0.0035	5.9549	0.0336	-0.0024	0.0065	0.0377
1565	11	10.7	3.1764	2.7814	-0.0036	5.9542	0.0363	-0.0077	0.0053	0.034
1566	11	10.7	3.1759	2.7816	-0.0038	5.9538	0.0411	-0.0055	0.0062	0.0419
1567	10.6	10.8	3.1754	2.7817	-0.0039	5.9532	0.038	0.0063	0.007	0.0513
1568	11.1	10.8	3.1745	2.7813	-0.0039	5.952	0.0421	0.0141	0.0123	0.0686
1569	11.1	10.8	3.1749	2.781	-0.004	5.9519	0.0469	0.0178	0.0143	0.079
1570	10.7	10.8	3.176	2.781	-0.004	5.953	0.0418	0.0142	0.0094	0.0653
1571	10.5	10.8	3.1761	2.7805	-0.0042	5.9524	0.0355	0.01	0.0059	0.0513
1572	10.4	10.8	3.1761	2.78	-0.0042	5.9519	0.0388	0.0079	0.0058	0.0525
1573	10.3	10.8	3.1765	2.7801	-0.0041	5.9526	0.0372	0.0027	0.0023	0.0422
1574	10.5	10.7	3.1777	2.7799	-0.004	5.9536	0.0298	0.0029	0.001	0.0337
1575	10.9	10.7	3.1788	2.7795	-0.004	5.9544	0.0398	0.006	0.0013	0.0471
1576	11	10.6	3.1789	2.7798	-0.0041	5.9547	0.0459	-0.0008	0.0031	0.0483
1577	10.7	10.7	3.1785	2.7804	-0.0043	5.9546	0.0453	-0.001	0.0044	0.0488
1578	10.5	10.6	3.1778	2.7806	-0.0045	5.9538	0.0448	-0.0039	0.0054	0.0463
1579	10.6	10.6	3.1757	2.7806	-0.0046	5.9517	0.0543	-0.0108	0.0033	0.0468
1580	10.7	10.6	3.1744	2.7802	-0.0045	5.95	0.0601	-0.0105	0.003	0.0526
1581	10.8	10.6	3.1732	2.7801	-0.0047	5.9486	0.0685	-0.0031	0.002	0.0674
1582	10.9	10.7	3.1724	2.7797	-0.0047	5.9474	0.0729	0.0029	0.0017	0.0775

1583	10.2	10.7	3.172	2.7795	-0.0046	5.9469	0.0768	0.0053	0.0002	0.0823
1584	10.1	10.7	3.1721	2.7793	-0.0041	5.9472	0.0719	0.0012	-0.002	0.0711
1585	10.5	10.7	3.1725	2.779	-0.0038	5.9478	0.0653	0.0024	-0.0048	0.063
1586	10.9	10.6	3.174	2.7796	-0.0035	5.95	0.0649	0.0035	-0.006	0.0624
1587	10.7	10.6	3.1768	2.78	-0.0035	5.9533	0.0644	-0.0004	-0.0062	0.0577
1588	10.8	10.7	3.1786	2.7802	-0.0037	5.9551	0.058	-0.005	-0.006	0.0471
1589	10.9	10.7	3.1804	2.7805	-0.0035	5.9573	0.0447	-0.0116	-0.0046	0.0285
1590	10.9	10.6	3.1804	2.7804	-0.0036	5.9572	0.0397	-0.0094	-0.0048	0.0255
1591	10.5	10.6	3.179	2.7801	-0.0036	5.9555	0.0333	-0.009	-0.0039	0.0204
1592	11	10.6	3.1772	2.78	-0.0036	5.9536	0.0342	-0.0049	-0.0043	0.025
1593	10.4	10.6	3.1768	2.7798	-0.0034	5.9532	0.04	-0.0047	-0.0044	0.0309
1594	10.6	10.6	3.1764	2.7801	-0.0031	5.9533	0.0469	-0.0003	-0.0013	0.0454
1595	10.3	10.7	3.1769	2.7809	-0.003	5.9548	0.0547	-0.0024	0.0047	0.057
1596	11	10.7	3.1776	2.781	-0.0029	5.9557	0.0539	-0.0034	0.0101	0.0606
1597	10.8	10.6	3.1779	2.7807	-0.0029	5.9558	0.0548	0.0008	0.016	0.0716
1598	10.6	10.6	3.1774	2.7812	-0.0028	5.9558	0.0579	0.0064	0.017	0.0813
1599	10.5	10.6	3.1776	2.7817	-0.0028	5.9565	0.069	0.0072	0.0166	0.0928
1600	10.4	10.6	3.1774	2.7814	-0.003	5.9558	0.0805	0.0076	0.0157	0.1038
1601	10.3	10.6	3.1767	2.7814	-0.0035	5.9547	0.087	0.0118	0.0154	0.1141
1602	10.3	10.6	3.1762	2.7816	-0.004	5.9539	0.0973	0.0158	0.0149	0.128
1603	10.7	10.6	3.1748	2.7813	-0.0042	5.952	0.1091	0.0137	0.0131	0.1359
1604	11	10.6	3.1735	2.7808	-0.0041	5.9502	0.1228	0.009	0.0148	0.1466
1605	10.8	10.6	3.1729	2.7804	-0.004	5.9493	0.1236	0.0069	0.0179	0.1484
1606	10.6	10.6	3.1729	2.7805	-0.0041	5.9493	0.11	0.0085	0.0203	0.1388
1607	10.4	10.6	3.1733	2.7804	-0.0042	5.9496	0.0917	0.0064	0.0192	0.1173
1608	10.4	10.6	3.1725	2.7805	-0.0042	5.9488	0.068	0.0099	0.0176	0.0954
1609	10.6	10.6	3.1723	2.7802	-0.0044	5.9481	0.0478	0.0112	0.0209	0.0799
1610	10.8	10.6	3.173	2.78	-0.0044	5.9486	0.0372	0.0107	0.023	0.071
1611	10.3	10.6	3.1732	2.7798	-0.0043	5.9487	0.0197	0.0148	0.022	0.0565
1612	10.8	10.7	3.1735	2.7795	-0.0043	5.9487	0.0091	0.0174	0.0198	0.0463
1613	11	10.6	3.1738	2.7796	-0.0043	5.9492	-0.0008	0.0223	0.0149	0.0364
1614	10.8	10.5	3.174	2.78	-0.0043	5.9497	-0.0065	0.0246	0.0124	0.0305
1615	10.6	10.5	3.175	2.7798	-0.0044	5.9504	-0.0088	0.0222	0.0094	0.0227
1616	10.7	10.5	3.176	2.7794	-0.0047	5.9507	-0.0105	0.0208	0.0094	0.0197
1617	10.6	10.4	3.1758	2.7787	-0.0047	5.9498	-0.0161	0.0207	0.0096	0.0141
1618	10.8	10.4	3.1756	2.7787	-0.0044	5.9499	-0.0227	0.0228	0.0087	0.0088
1619	10.8	10.4	3.1761	2.7791	-0.0044	5.9508	-0.0325	0.0188	0.007	-0.0067

1620	10.3	10.4	3.1765	2.7792	-0.0044	5.9512	-0.0388	0.017	0.0064	-0.0154
1621	10.5	10.4	3.1763	2.7794	-0.0045	5.9512	-0.0436	0.0174	0.0072	-0.019
1622	10	10.4	3.1765	2.7796	-0.0042	5.9518	-0.0415	0.0125	0.0065	-0.0224
1623	9.49	10.4	3.1772	2.7792	-0.0042	5.9522	-0.0337	0.0094	0.0061	-0.0181
1624	10.2	10.4	3.177	2.7789	-0.0041	5.9518	-0.0284	0.0145	0.0051	-0.0088
1625	10.1	10.4	3.1769	2.7794	-0.0042	5.9521	-0.0213	0.0144	0.0033	-0.0036
1626	9.65	10.4	3.1772	2.7793	-0.0043	5.9522	-0.0104	0.0107	0.0009	0.0012
1627	10	10.4	3.1776	2.7794	-0.0044	5.9526	-0.0025	0.0061	-0.0023	0.0013
1628	10.1	10.4	3.177	2.7797	-0.0042	5.9525	-0.0068	0.0115	-0.0068	-0.0021
1629	10.8	10.4	3.1766	2.7797	-0.0041	5.9522	-0.019	0.0117	-0.0104	-0.0177
1630	10.9	10.4	3.1762	2.7793	-0.0041	5.9515	-0.0523	0.0088	-0.0098	-0.0533
1631	10.9	10.4	3.1757	2.7792	-0.0041	5.9508	-0.0743	0.0019	-0.0059	-0.0783
1632	10.9	10.5	3.1752	2.7791	-0.0042	5.9501	-0.0856	0.0018	-0.0061	-0.0899
1633	10.7	10.5	3.1749	2.7791	-0.0042	5.9498	-0.0942	-0.0033	-0.0076	-0.1051
1634	10.8	10.5	3.175	2.779	-0.0041	5.9499	-0.1089	-0.005	-0.0084	-0.1223
1635	10.7	10.6	3.1751	2.7789	-0.0041	5.9499	-0.1355	-0.0061	-0.0062	-0.1478
1636	10.5	10.6	3.1752	2.7793	-0.0043	5.9502	-0.1427	-0.0118	-0.0025	-0.157
1637	10.5	10.7	3.1753	2.7793	-0.0044	5.9502	-0.1372	-0.0091	0.0012	-0.1451
1638	10.3	10.7	3.1757	2.7795	-0.0045	5.9508	-0.1159	-0.0049	0.0032	-0.1177
1639	10.7	10.7	3.1758	2.7791	-0.0042	5.9507	-0.0992	0.0016	0.0047	-0.093
1640	11.1	10.7	3.1761	2.779	-0.0041	5.951	-0.0828	0.0096	0.0081	-0.0651
1641	10.7	10.7	3.1763	2.779	-0.0042	5.9511	-0.0846	0.0102	0.0078	-0.0666
1642	10.7	10.7	3.1764	2.779	-0.0041	5.9513	-0.0914	0.0144	0.0086	-0.0684
1643	10.2	10.7	3.1762	2.7792	-0.0041	5.9513	-0.0948	0.014	0.008	-0.0728
1644	10.6	10.7	3.1762	2.7795	-0.0043	5.9514	-0.0927	0.0123	0.0108	-0.0696
1645	10.8	10.7	3.1769	2.7792	-0.0044	5.9517	-0.0828	0.015	0.0147	-0.0531
1646	10.9	10.8	3.1776	2.7791	-0.0047	5.952	-0.0741	0.0233	0.0165	-0.0343
1647	11	10.8	3.1778	2.7789	-0.0048	5.9519	-0.0616	0.0189	0.0199	-0.0227
1648	10.5	10.8	3.1777	2.7789	-0.0047	5.9519	-0.0386	0.0152	0.0225	-0.0009
1649	10.8	10.8	3.1776	2.779	-0.0045	5.9521	-0.0262	0.0217	0.0251	0.0206
1650	10.7	10.7	3.1776	2.7789	-0.0045	5.952	-0.009	0.0276	0.0259	0.0445
1651	10.7	10.7	3.1774	2.7786	-0.0045	5.9515	0.0038	0.0243	0.0217	0.0498
1652	11	10.7	3.1769	2.779	-0.0043	5.9515	0.0083	0.025	0.017	0.0503
1653	11.1	10.7	3.1765	2.7796	-0.0044	5.9517	0.0111	0.0241	0.0124	0.0476
1654	11.1	10.7	3.1763	2.7799	-0.0044	5.9518	0.0121	0.0217	0.0112	0.045
1655	11	10.7	3.1766	2.78	-0.0045	5.9521	0.0108	0.0201	0.0116	0.0426
1656	10.8	10.7	3.1769	2.78	-0.0046	5.9523	0.0138	0.0123	0.0118	0.0379

1657	10.6	10.7	3.1773	2.7797	-0.0048	5.9522	0.0289	0.0174	0.0113	0.0576
1658	10.4	10.7	3.1779	2.7798	-0.0051	5.9527	0.0394	0.0179	0.0143	0.0716
1659	10.4	10.7	3.178	2.7798	-0.0051	5.9527	0.032	0.0158	0.0162	0.064
1660	10.3	10.7	3.1779	2.7796	-0.005	5.9525	0.0321	0.012	0.015	0.059
1661	10.6	10.6	3.1777	2.7793	-0.0049	5.952	0.0404	0.0115	0.016	0.0679
1662	10.5	10.6	3.1777	2.779	-0.0046	5.9521	0.0473	0.0155	0.0178	0.0805
1663	10.9	10.6	3.1779	2.7792	-0.0046	5.9525	0.053	0.0155	0.0155	0.084
1664	10.4	10.6	3.1776	2.7794	-0.0044	5.9526	0.0587	0.016	0.0156	0.0902
1665	10.6	10.6	3.1774	2.7793	-0.0045	5.9522	0.0591	0.0207	0.0167	0.0964
1666	10.9	10.5	3.1775	2.7796	-0.0047	5.9524	0.072	0.026	0.015	0.113
1667	10.7	10.5	3.1776	2.7794	-0.0048	5.9523	0.0798	0.0291	0.0105	0.1194
1668	10.2	10.5	3.1778	2.7794	-0.0046	5.9526	0.061	0.0224	0.0059	0.0892
1669	10.2	10.6	3.1788	2.7793	-0.0046	5.9535	0.0527	0.0197	0.0061	0.0785
1670	10.6	10.6	3.1804	2.7793	-0.0047	5.9549	0.0504	0.0228	0.0036	0.0769
1671	10.8	10.6	3.1802	2.7792	-0.0049	5.9546	0.0425	0.019	0.0028	0.0643
1672	10.6	10.6	3.1795	2.779	-0.0048	5.9538	0.0334	0.0137	0.0013	0.0485
1673	10.7	10.5	3.1793	2.7787	-0.0046	5.9534	0.024	0.0158	0.0058	0.0456
1674	10.3	10.5	3.1798	2.7784	-0.0043	5.954	0.0195	0.0131	0.0062	0.0388
1675	10.5	10.5	3.1798	2.7785	-0.004	5.9543	0.0098	0.0146	0.0082	0.0327
1676	10.4	10.4	3.1792	2.7792	-0.0038	5.9546	0.0025	0.0199	0.0071	0.0295
1677	10.3	10.4	3.1792	2.7792	-0.0036	5.9548	0.0023	0.0177	0.0037	0.0236
1678	11	10.4	3.1797	2.7794	-0.0035	5.9556	0.0032	0.013	0.0016	0.0178
1679	10.7	10.4	3.181	2.7797	-0.0036	5.9571	-0.0045	0.012	0.0043	0.0118
1680	10.3	10.4	3.1818	2.78	-0.0039	5.9578	-0.0097	0.0096	0.0067	0.0066
1681	10.6	10.4	3.1817	2.7799	-0.0041	5.9576	-0.0136	0.0047	0.0077	-0.0011
1682	10.1	10.4	3.1818	2.78	-0.0039	5.9579	-0.018	0.001	0.0104	-0.0066
1683	10.1	10.4	3.1829	2.78	-0.0037	5.9592	-0.0247	-0.0012	0.0112	-0.0148
1684	10	10.5	3.1856	2.7799	-0.0035	5.962	-0.0351	-0.0033	0.0101	-0.0284
1685	9.95	10.5	3.1868	2.7802	-0.0035	5.9635	-0.0356	-0.0044	0.0108	-0.0292
1686	10.1	10.5	3.1877	2.7805	-0.0037	5.9645	-0.038	-0.0059	0.0111	-0.0327
1687	10.2	10.5	3.1884	2.7805	-0.0038	5.965	-0.0375	-0.0006	0.0112	-0.0269
1688	9.89	10.5	3.1885	2.78	-0.0041	5.9644	-0.0386	-0.0034	0.0114	-0.0305
1689	10.7	10.6	3.1887	2.7795	-0.0044	5.9638	-0.0358	-0.0022	0.0123	-0.0257
1690	11.1	10.6	3.1889	2.7794	-0.0044	5.9639	-0.0404	-0.0069	0.0148	-0.0325
1691	10.4	10.6	3.1882	2.7787	-0.0045	5.9623	-0.0416	-0.0077	0.0156	-0.0337
1692	11.2	10.6	3.1867	2.7786	-0.0044	5.9609	-0.0398	-0.0053	0.0163	-0.0288
1693	11.1	10.6	3.1861	2.7786	-0.0045	5.9602	-0.0353	-0.0019	0.018	-0.0192

1694	10.8	10.6	3.1846	2.7786	-0.0046	5.9586	-0.0343	0.0004	0.0176	-0.0163
1695	10.9	10.6	3.1843	2.7785	-0.0046	5.9582	-0.0307	0.003	0.016	-0.0117
1696	11	10.5	3.1838	2.7791	-0.0049	5.958	-0.0213	0.0058	0.014	-0.0014
1697	10.9	10.5	3.1818	2.7792	-0.0051	5.9559	-0.0104	0.0081	0.0101	0.0078
1698	11	10.5	3.18	2.779	-0.0053	5.9538	-0.0071	0.0079	0.009	0.0098
1699	10.8	10.5	3.1785	2.779	-0.0053	5.9521	-0.0078	0.0108	0.0078	0.0108
1700	10.5	10.4	3.177	2.779	-0.0052	5.9508	-0.0057	0.0108	0.0087	0.0138
1701	10.5	10.4	3.1759	2.7789	-0.0052	5.9497	-0.0054	0.0097	0.0077	0.0119
1702	9.96	10.4	3.1751	2.7792	-0.0052	5.9491	-0.0189	0.0104	0.0061	-0.0024
1703	9.99	10.3	3.1736	2.7791	-0.0053	5.9475	-0.0427	0.0154	0.0073	-0.0201
1704	9.75	10.3	3.1724	2.7788	-0.0053	5.9459	-0.0791	0.0244	0.005	-0.0497
1705	9.48	10.2	3.1715	2.7792	-0.0052	5.9455	-0.1211	0.0327	0.0043	-0.0841
1706	9.68	10.2	3.17	2.7788	-0.0052	5.9436	-0.1312	0.0353	0.0032	-0.0927
1707	9.7	10.1	3.1694	2.7786	-0.0056	5.9424	-0.1266	0.0315	0.002	-0.0931
1708	10.4	10.1	3.1693	2.7789	-0.0058	5.9424	-0.1111	0.0284	-0.0005	-0.0831
1709	9.74	10	3.1691	2.779	-0.0059	5.9422	-0.0941	0.0271	-0.0011	-0.0681
1710	10.3	10.1	3.169	2.7788	-0.006	5.9418	-0.0754	0.0248	-0.001	-0.0515
1711	10.5	10	3.1685	2.7782	-0.0061	5.9406	-0.0505	0.0229	-0.003	-0.0306
1712	10	10	3.1682	2.7779	-0.0059	5.9403	-0.0283	0.0225	-0.0032	-0.009
1713	10	10	3.168	2.778	-0.0059	5.9402	-0.013	0.0232	-0.0024	0.0078
1714	9.96	10	3.1681	2.7779	-0.006	5.94	-0.0021	0.0215	-0.001	0.0184
1715	9.87	10	3.1678	2.7772	-0.0059	5.9391	0.007	0.0195	0.001	0.0275
1716	9.88	10.1	3.168	2.7764	-0.0057	5.9387	0.0103	0.0158	-0.0009	0.0252
1717	10.2	10.1	3.1697	2.7765	-0.0053	5.9409	0.0112	0.0152	-0.0042	0.0222
1718	10.4	10	3.1704	2.7767	-0.005	5.942	0.0079	0.0098	-0.0033	0.0144
1719	10.7	10	3.1711	2.7768	-0.0048	5.9431	0.0018	0.009	-0.003	0.0077
1720	10.4	10	3.1722	2.7773	-0.0047	5.9448	0.0045	0.0054	-0.0039	0.006
1721	9.88	9.99	3.173	2.778	-0.0046	5.9464	0.0178	0.004	-0.006	0.0157
1722	9.85	10	3.1741	2.778	-0.0048	5.9473	0.0112	0.003	-0.0068	0.0073
1723	9.61	10.1	3.1753	2.7779	-0.0048	5.9483	-0.0048	0.0014	-0.0058	-0.0093
1724	9.87	10.1	3.176	2.7775	-0.0049	5.9486	-0.0071	-0.0015	-0.0021	-0.0107
1725	9.75	10.1	3.1767	2.7774	-0.0049	5.9492	0.0008	-0.0088	0.002	-0.006
1726	9.72	10.1	3.177	2.7775	-0.0047	5.9498	0.0023	-0.0101	0.0064	-0.0014
1727	9.87	10.1	3.1773	2.7781	-0.0046	5.9508	-0.006	0.0008	0.0067	0.0016
1728	9.61	10.2	3.1775	2.7785	-0.0047	5.9513	-0.0061	-0.001	0.0079	0.0008
1729	9.91	10.2	3.1776	2.7787	-0.0048	5.9515	-0.0039	-0.0001	0.0089	0.0049
1730	10.3	10.2	3.1776	2.7789	-0.0049	5.9516	0.0102	0.0022	0.0069	0.0194

1731	10.5	10.2	3.1775	2.7791	-0.0051	5.9514	0.0204	0.0049	0.0045	0.0297
1732	10.9	10.2	3.1777	2.7792	-0.0053	5.9516	0.0181	0.0033	0.0029	0.0242
1733	10.7	10.2	3.1784	2.7795	-0.0052	5.9526	0.0166	0.0007	0.0064	0.0236
1734	10.1	10.2	3.1786	2.7794	-0.0052	5.9528	0.023	-0.0012	0.0093	0.0311
1735	10.6	10.3	3.1789	2.7795	-0.0052	5.9532	0.0451	0.0003	0.0109	0.0563
1736	10.2	10.3	3.1789	2.7793	-0.0054	5.9529	0.0516	0.0057	0.0104	0.0678
1737	10.8	10.3	3.1792	2.7796	-0.0055	5.9533	0.0571	0.011	0.0084	0.0765
1738	10.7	10.3	3.1793	2.7798	-0.0057	5.9534	0.0629	0.0131	0.006	0.082
1739	10.3	10.3	3.1799	2.7798	-0.0057	5.954	0.0651	0.0117	0.0028	0.0796
1740	10.4	10.3	3.1803	2.7798	-0.0057	5.9544	0.0657	0.007	-0.0005	0.0723
1741	10.5	10.3	3.1802	2.7795	-0.0058	5.9539	0.0696	0.0079	-0.0001	0.0774
1742	10.1	10.2	3.1799	2.7792	-0.0059	5.9532	0.0675	-0.0035	0.0001	0.0641
1743	9.88	10.2	3.1796	2.7792	-0.0059	5.9529	0.061	-0.0036	-0.002	0.0554
1744	10	10.2	3.1793	2.7792	-0.0059	5.9525	0.0546	0.0028	-0.0032	0.0541
1745	10.3	10.2	3.179	2.7786	-0.0058	5.9518	0.04	0.0001	-0.0043	0.0359
1746	10.4	10.2	3.1786	2.7783	-0.0057	5.9513	0.0398	-0.0025	-0.001	0.0362
1747	9.92	10.2	3.1785	2.7781	-0.0057	5.9509	0.0359	0.0017	-0.0016	0.036
1748	9.56	10.2	3.1785	2.7778	-0.0055	5.9508	0.0205	0.0013	-0.0026	0.0192
1749	10.4	10.2	3.1782	2.7779	-0.0054	5.9507	0.0015	0.0024	-0.0025	0.0014
1750	9.77	10.2	3.1781	2.7779	-0.0053	5.9508	-0.016	0.0051	-0.0014	-0.0123
1751	10.2	10.2	3.1793	2.7776	-0.0051	5.9517	-0.0313	0.0082	0.0006	-0.0226
1752	10.2	10.2	3.1811	2.7774	-0.005	5.9535	-0.043	0.0076	0.0007	-0.0347
1753	10.6	10.2	3.1844	2.7771	-0.0049	5.9567	-0.0513	0.0103	0.0004	-0.0405
1754	10.4	10.2	3.1884	2.7766	-0.0049	5.9602	-0.0673	0.0099	-0.0004	-0.0579
1755	10.3	10.2	3.1898	2.7765	-0.0049	5.9614	-0.0808	0.0068	-0.0006	-0.0746
1756	10.3	10.2	3.1896	2.7768	-0.0048	5.9616	-0.0908	0.0105	0.0004	-0.0799
1757	10.3	10.2	3.1885	2.7769	-0.0048	5.9606	-0.1082	0.0065	0.0003	-0.1014
1758	10	10.3	3.1873	2.7771	-0.0049	5.9595	-0.1157	0.0048	-0.0041	-0.1149
1759	10.2	10.3	3.1856	2.7773	-0.005	5.9579	-0.1176	0.008	-0.0063	-0.1158
1760	10.4	10.3	3.183	2.7773	-0.0047	5.9555	-0.1215	0.009	-0.0072	-0.1198
1761	10.2	10.3	3.1805	2.777	-0.0046	5.9529	-0.1243	0.0073	-0.0084	-0.1254
1762	10.2	10.3	3.179	2.7767	-0.0044	5.9513	-0.131	0.0004	-0.0094	-0.14
1763	10.7	10.3	3.1781	2.777	-0.0045	5.9506	-0.1359	-0.0027	-0.0069	-0.1455
1764	10.5	10.3	3.1769	2.7774	-0.0045	5.9499	-0.1401	-0.0016	-0.0071	-0.1488
1765	10.1	10.3	3.1764	2.7777	-0.0044	5.9497	-0.1407	-0.0029	-0.0084	-0.152
1766	10.3	10.4	3.1764	2.7781	-0.0043	5.9502	-0.145	-0.0111	-0.0081	-0.1641
1767	10.4	10.4	3.1768	2.7784	-0.0044	5.9508	-0.1446	-0.0207	-0.006	-0.1712

1768	10.3	10.4	3.1776	2.7785	-0.0043	5.9519	-0.1259	-0.0206	-0.0004	-0.1469
1769	10.1	10.4	3.1784	2.7788	-0.0042	5.9529	-0.1195	-0.0183	0.0027	-0.1351
1770	10.4	10.4	3.1786	2.7789	-0.0041	5.9534	-0.1121	-0.0171	0.0054	-0.1238
1771	10.5	10.4	3.1791	2.7789	-0.0042	5.9539	-0.0995	-0.011	0.0068	-0.1037
1772	10.7	10.4	3.18	2.7789	-0.0042	5.9547	-0.0908	-0.0023	0.0079	-0.0852
1773	10.5	10.4	3.18	2.7788	-0.0044	5.9545	-0.0778	-0.0023	0.0057	-0.0745
1774	10.5	10.4	3.1797	2.7793	-0.0045	5.9546	-0.0637	-0.0038	0.0054	-0.0621
1775	10.5	10.4	3.1796	2.7795	-0.0047	5.9544	-0.0546	-0.0094	0.0041	-0.0599
1776	10.4	10.4	3.1798	2.7791	-0.0045	5.9544	-0.0464	-0.0104	0.0042	-0.0526
1777	10.4	10.4	3.1798	2.7793	-0.0044	5.9547	-0.0427	-0.0088	0.0071	-0.0443
1778	10.2	10.4	3.1801	2.7794	-0.0044	5.9551	-0.0397	-0.0009	0.0088	-0.0318
1779	10.6	10.4	3.1799	2.7795	-0.0043	5.9551	-0.0369	0.0044	0.0081	-0.0244
1780	10.7	10.4	3.1798	2.7795	-0.0044	5.9549	-0.0365	0.0073	0.0067	-0.0226
1781	10.2	10.4	3.1799	2.7796	-0.0044	5.9552	-0.0366	0.0099	0.0052	-0.0214
1782	10.2	10.4	3.1802	2.78	-0.0046	5.9555	-0.0382	0.0127	0.0015	-0.0241
1783	10.6	10.4	3.1806	2.7801	-0.0047	5.956	-0.0366	0.0148	-0.0007	-0.0225
1784	10.5	10.4	3.1811	2.7799	-0.0046	5.9564	-0.0268	0.0194	0.0005	-0.0069
1785	10.1	10.4	3.1816	2.7796	-0.0045	5.9567	-0.0236	0.0185	0.0006	-0.0045
1786	9.94	10.5	3.182	2.7794	-0.0045	5.9569	-0.0194	0.0201	0.0004	0.0011
1787	10.4	10.5	3.1821	2.7792	-0.0044	5.9568	-0.0189	0.0182	-0.0027	-0.0035
1788	10.6	10.5	3.182	2.7789	-0.0044	5.9565	-0.0156	0.0233	-0.0049	0.0028
1789	9.73	10.5	3.1821	2.7788	-0.0043	5.9566	-0.0141	0.0256	-0.0074	0.0041
1790	10.7	10.6	3.1819	2.7786	-0.0044	5.9561	-0.0045	0.0261	-0.0069	0.0147
1791	10.5	10.6	3.1814	2.779	-0.0045	5.9559	0.0021	0.0265	-0.0074	0.0212
1792	10.1	10.6	3.1806	2.779	-0.0042	5.9554	0.0015	0.0223	-0.0095	0.0143
1793	10.9	10.6	3.1806	2.7783	-0.0042	5.9547	-0.004	0.017	-0.0106	0.0023
1794	11.2	10.7	3.1806	2.7786	-0.0042	5.955	-0.0098	0.0178	-0.0116	-0.0035
1795	11	10.8	3.1803	2.7788	-0.0045	5.9546	-0.0157	0.0174	-0.0118	-0.0101
1796	11	10.9	3.1802	2.7789	-0.0047	5.9544	-0.0203	0.008	-0.0105	-0.0228
1797	10.7	11	3.1797	2.7791	-0.0049	5.954	-0.028	0.0026	-0.0087	-0.0341
1798	11.1	10.9	3.1799	2.7788	-0.005	5.9536	-0.0312	-0.0013	-0.0087	-0.0412
1799	11.1	11	3.1801	2.7784	-0.0052	5.9533	-0.032	-0.0073	-0.005	-0.0443
1800	10.7	10.7	3.1802	2.7782	-0.0052	5.9531	-0.0388	-0.0053	-0.0029	-0.0471