Test Name	**AL, PF, rep 3**
Cladding	**Aluminium**
Cladding Thickness [mm]	**2**
Insulation	**Phenolic (PF) foam**
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 Phenolic (PF) foam insulation panel, separated with a cavity of 50 mm width. It is the third repetition of this system configuration.
Experiment Notes	The Phenolic foam insulation was seen to continue smouldering after the experiment was terminated, requiring extinguishment.
Peak HRR [kW]	**3.51**
Time to Peak HRR [mins]	**13.58**
Residual HRR [kW]	**2.75**
Total HR [MJ]	**1.06**
Peak dQ/dt [kW/s]	**0.0967**
Time to Peak dQ/dt [s]	**1.03**

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	-0.234	-0.234	3.1905	2.3087	-0.0014	5.4978	-0.0653	0.3975	0.0169	0.3491
1	-0.205	-0.203	3.1906	2.3077	-0.0016	5.4967	-0.0538	0.3819	0.0227	0.3508
2	-0.172	-0.0915	3.191	2.3061	-0.0017	5.4954	-0.0479	0.3742	0.0255	0.3518
3	-0.0282	0.161	3.1916	2.3045	-0.0017	5.4945	-0.0358	0.3551	0.024	0.3433
4	0.181	0.603	3.1919	2.3032	-0.0019	5.4932	-0.0156	0.3432	0.0255	0.3531
5	0.526	1.29	3.1918	2.302	-0.0019	5.492	0.0039	0.333	0.0278	0.3647
6	1.06	2.06	3.1919	2.3015	-0.0018	5.4917	0.0216	0.3327	0.0321	0.3864
7	1.74	2.85	3.1918	2.3007	-0.0018	5.4907	0.0315	0.3377	0.0341	0.4032
8	2.55	3.6	3.1917	2.2999	-0.002	5.4897	0.0373	0.337	0.0272	0.4015
9	3.67	4.26	3.1915	2.299	-0.0019	5.4886	0.0394	0.3331	0.0189	0.3914
10	5.13	4.84	3.1914	2.2974	-0.002	5.4868	0.0282	0.3403	0.0158	0.3843
11	5.88	5.4	3.1913	2.2973	-0.0019	5.4867	0.0335	0.334	0.0121	0.3796
12	6.66	5.96	3.1912	2.2969	-0.0019	5.4862	0.0307	0.3312	0.0083	0.3702
13	7.65	6.54	3.1911	2.2967	-0.0021	5.4857	0.0257	0.3236	0.0055	0.3548
14	8.38	7.12	3.1907	2.2961	-0.0022	5.4846	0.0268	0.3251	0.0054	0.3572
15	9.03	7.71	3.1908	2.2954	-0.0022	5.4841	0.0355	0.3197	0.006	0.3612
16	9.37	8.25	3.1914	2.2948	-0.0023	5.4839	0.0384	0.3116	0.0059	0.3559
17	9.79	8.75	3.192	2.2945	-0.0024	5.4841	0.0308	0.3121	0.007	0.35
18	10.1	9.21	3.1924	2.2937	-0.0023	5.4838	0.025	0.3103	0.0059	0.3411
19	10.7	9.62	3.1928	2.2934	-0.0022	5.484	0.0262	0.3007	0.005	0.3318
20	10.3	9.93	3.1928	2.2928	-0.0019	5.4837	0.0315	0.2811	0.0049	0.3175
21	10.5	10.2	3.1926	2.2929	-0.0015	5.484	0.033	0.2742	0.009	0.3163
22	11	10.5	3.1924	2.2932	-0.0015	5.4842	0.0343	0.271	0.0072	0.3124
23	11.3	10.7	3.1924	2.2933	-0.0012	5.4844	0.0356	0.2682	0.0044	0.3082
24	11.6	10.8	3.1922	2.2932	-0.0012	5.4842	0.0313	0.2538	0.0016	0.2867
25	11.5	11	3.192	2.2934	-0.0016	5.4839	0.0239	0.2443	-0.0021	0.2662
26	11.2	11.2	3.1921	2.2937	-0.0019	5.4839	0.0143	0.2338	-0.0021	0.2461
27	11.2	11.3	3.1923	2.2933	-0.0019	5.4837	0.0073	0.2305	-0.0005	0.2374
28	11.6	11.4	3.192	2.2933	-0.002	5.4832	0.0048	0.2282	0.0033	0.2363

29	11	11.4	3.1915	2.2931	-0.002	5.4826	0.0033	0.225	0.0054	0.2337
30	11.6	11.5	3.1913	2.2932	-0.0023	5.4822	0.0065	0.2221	0.0055	0.2341
31	12.1	11.6	3.1919	2.2929	-0.0028	5.482	0.0104	0.2219	0.0092	0.2415
32	11.2	11.7	3.1922	2.2928	-0.0026	5.4824	0.0119	0.2181	0.0069	0.2369
33	11.2	11.7	3.1925	2.2919	-0.0026	5.4819	0.014	0.2163	0.0085	0.2387
34	11.7	11.7	3.1929	2.2919	-0.0025	5.4823	0.01	0.2142	0.0065	0.2307
35	12.5	11.8	3.1931	2.2919	-0.0027	5.4824	0.0109	0.2145	0.0073	0.2327
36	12.2	11.8	3.1937	2.2919	-0.0029	5.4827	0.0115	0.2136	0.0086	0.2338
37	11.7	11.7	3.1949	2.2921	-0.0029	5.4841	0.0088	0.2162	0.0085	0.2335
38	11.9	11.7	3.1956	2.292	-0.0029	5.4848	0.0105	0.2172	0.0092	0.2368
39	11.8	11.7	3.1958	2.2918	-0.0027	5.4849	0.0153	0.2181	0.0077	0.241
40	12.9	11.7	3.1954	2.2918	-0.0026	5.4846	0.0229	0.2173	0.0052	0.2454
41	11.9	11.7	3.1951	2.2912	-0.0026	5.4837	0.0181	0.2194	0.006	0.2435
42	12	11.7	3.1952	2.2913	-0.0027	5.4838	0.0173	0.221	0.0061	0.2444
43	11.8	11.7	3.1954	2.2914	-0.0025	5.4842	0.0236	0.2255	0.0082	0.2573
44	11.9	11.6	3.195	2.2913	-0.0024	5.4839	0.0248	0.2246	0.009	0.2584
45	11.4	11.6	3.1946	2.2914	-0.0026	5.4834	0.0211	0.2256	0.0093	0.256
46	10.9	11.5	3.1944	2.2917	-0.0025	5.4836	0.0169	0.2245	0.0089	0.2503
47	11.2	11.5	3.1945	2.2913	-0.0022	5.4835	0.0082	0.225	0.0065	0.2397
48	11	11.4	3.1942	2.2909	-0.0021	5.483	0.0038	0.2252	0.0062	0.2353
49	11.3	11.4	3.1937	2.2911	-0.002	5.4828	0.0073	0.2263	0.0088	0.2424
50	11.5	11.3	3.1932	2.2915	-0.0023	5.4824	0.0119	0.2264	0.012	0.2503
51	11.1	11.3	3.1929	2.2915	-0.0025	5.482	0.0177	0.2059	0.0128	0.2363
52	11.2	11.2	3.1923	2.2922	-0.0024	5.4821	0.0202	0.1945	0.01	0.2247
53	10.9	11.2	3.1913	2.2924	-0.0025	5.4812	0.023	0.1761	0.0124	0.2114
54	10.9	11.1	3.1902	2.2927	-0.0027	5.4802	0.0356	0.1699	0.0147	0.2202
55	11.2	11.1	3.1892	2.2923	-0.003	5.4786	0.0444	0.1659	0.0123	0.2226
56	11	11.1	3.1886	2.2917	-0.0031	5.4773	0.0519	0.1588	0.0104	0.2211
57	11.1	11.1	3.1883	2.2914	-0.0027	5.477	0.057	0.1569	0.0099	0.2238
58	11.1	11.1	3.1881	2.2913	-0.0023	5.4772	0.0582	0.1549	0.0074	0.2205
59	11.5	11	3.1888	2.2906	-0.0021	5.4772	0.0575	0.1497	0.0033	0.2105
60	11.5	11	3.1884	2.2906	-0.0019	5.4771	0.0536	0.1377	0.0037	0.195
61	10.7	11	3.1885	2.2904	-0.0017	5.4773	0.0493	0.1204	0.0012	0.1709
62	11	10.9	3.1888	2.2906	-0.0015	5.4779	0.0459	0.1228	0.0009	0.1696
63	11	10.9	3.1887	2.2902	-0.0015	5.4774	0.0434	0.1203	-0.0009	0.1628
64	11	10.8	3.1881	2.2902	-0.0015	5.4768	0.0358	0.1133	0	0.1491
65	10.9	10.8	3.1879	2.2904	-0.0015	5.4768	0.0236	0.1014	0.0007	0.1257

66	11	10.7	3.1884	2.2901	-0.0016	5.4768	0.0209	0.0926	0.0002	0.1137
67	10.5	10.7	3.1887	2.2899	-0.0016	5.4771	0.0253	0.0855	-0.002	0.1087
68	10.5	10.6	3.1886	2.2902	-0.0015	5.4774	0.0244	0.0773	-0.0007	0.1011
69	11.1	10.6	3.1882	2.2913	-0.0015	5.478	0.0231	0.0641	-0.0007	0.0865
70	10.4	10.5	3.1881	2.2915	-0.0018	5.4778	0.0317	0.0575	0.0008	0.09
71	10.1	10.4	3.188	2.2915	-0.0017	5.4778	0.0368	0.05	0.004	0.0909
72	10.4	10.4	3.1878	2.2914	-0.0015	5.4778	0.0377	0.0421	0.0051	0.0849
73	9.99	10.3	3.1881	2.2922	-0.0013	5.479	0.0339	0.0428	0.0062	0.0829
74	10.1	10.3	3.1886	2.2926	-0.001	5.4803	0.0331	0.0402	0.0078	0.0811
75	10.2	10.3	3.1894	2.2932	-0.001	5.4816	0.0357	0.0373	0.011	0.084
76	10.1	10.3	3.1899	2.2932	-0.0011	5.482	0.0362	0.0361	0.0095	0.0818
77	10.2	10.3	3.1901	2.2932	-0.0014	5.4818	0.0254	0.0373	0.0043	0.0669
78	10.2	10.3	3.1902	2.2932	-0.0016	5.4818	0.0165	0.0328	0.0043	0.0536
79	10.2	10.3	3.1899	2.2932	-0.0016	5.4815	0.0124	0.0342	0.0027	0.0492
80	9.69	10.4	3.1896	2.293	-0.0019	5.4807	0.0099	0.0356	0.0003	0.0458
81	10	10.4	3.1895	2.2931	-0.0017	5.4808	0.0121	0.0424	-0.0024	0.0521
82	9.88	10.4	3.1893	2.293	-0.0019	5.4804	0.0238	0.0491	-0.0067	0.0662
83	10.4	10.5	3.1896	2.293	-0.0017	5.4809	0.0403	0.0453	-0.0036	0.082
84	10.4	10.5	3.1895	2.2927	-0.0018	5.4805	0.0589	0.044	0.0008	0.1036
85	10.6	10.5	3.1895	2.2926	-0.0019	5.4801	0.0651	0.0498	0.0033	0.1182
86	10.8	10.6	3.1897	2.2922	-0.0019	5.4799	0.0718	0.0515	0.0029	0.1261
87	10.9	10.6	3.1895	2.2919	-0.002	5.4794	0.0849	0.0527	0.0003	0.138
88	11.3	10.6	3.1891	2.2916	-0.0018	5.4788	0.0972	0.0558	-0.0035	0.1495
89	11.4	10.7	3.1884	2.2914	-0.0016	5.4782	0.101	0.0573	-0.0079	0.1504
90	11.1	10.7	3.1888	2.291	-0.0017	5.4781	0.0945	0.0537	-0.0113	0.1369
91	10.8	10.7	3.1888	2.2906	-0.0017	5.4778	0.0871	0.053	-0.0138	0.1263
92	11.1	10.8	3.1882	2.29	-0.0019	5.4763	0.0911	0.039	-0.0161	0.114
93	10.8	10.9	3.1881	2.2899	-0.002	5.476	0.096	0.0327	-0.016	0.1126
94	10.5	10.9	3.1884	2.2895	-0.002	5.4759	0.1015	0.0285	-0.0159	0.1141
95	10.6	10.9	3.1888	2.2894	-0.002	5.4762	0.1048	0.025	-0.0137	0.116
96	10.7	10.9	3.1897	2.2891	-0.0018	5.477	0.1034	0.0275	-0.0155	0.1154
97	10.8	10.9	3.1901	2.2889	-0.0018	5.4772	0.1065	0.0277	-0.0147	0.1195
98	10.6	10.9	3.1897	2.2886	-0.002	5.4763	0.1111	0.0196	-0.0106	0.1201
99	10.6	10.8	3.1893	2.2883	-0.0024	5.4752	0.1101	0.017	-0.0078	0.1193
100	10.6	10.8	3.1887	2.2881	-0.0027	5.4742	0.1054	0.0226	-0.0047	0.1234
101	11.3	10.8	3.1886	2.2882	-0.0026	5.4742	0.0999	0.0295	-0.0048	0.1245
102	11.3	10.8	3.1887	2.2885	-0.0029	5.4743	0.0956	0.0284	-0.0041	0.1199

103	11	10.8	3.1881	2.2876	-0.0032	5.4724	0.0894	0.0383	-0.0023	0.1254
104	10.7	10.8	3.1874	2.2866	-0.0031	5.4709	0.0779	0.0423	-0.0055	0.1148
105	11.2	10.8	3.1866	2.2861	-0.0029	5.4699	0.0685	0.0433	-0.0092	0.1026
106	10.7	10.7	3.1862	2.2859	-0.0028	5.4693	0.0596	0.0379	-0.0138	0.0837
107	10.5	10.7	3.186	2.2852	-0.0025	5.4687	0.0525	0.0309	-0.016	0.0674
108	11	10.7	3.186	2.2849	-0.0023	5.4686	0.0448	0.0288	-0.0128	0.0608
109	10.6	10.6	3.1862	2.2852	-0.0023	5.4691	0.0426	0.0261	-0.0093	0.0594
110	10.3	10.6	3.1865	2.2854	-0.0021	5.4697	0.0459	0.0182	-0.0087	0.0554
111	10.9	10.5	3.1867	2.285	-0.002	5.4697	0.041	0.0166	-0.0069	0.0507
112	10.6	10.5	3.1869	2.2849	-0.0018	5.4699	0.0363	0.0074	-0.0056	0.0381
113	10.8	10.4	3.1875	2.2853	-0.002	5.4708	0.0315	0.0059	-0.005	0.0324
114	10.3	10.4	3.1883	2.2859	-0.0022	5.472	0.0299	-0.0014	-0.004	0.0245
115	10.2	10.3	3.1888	2.2862	-0.0022	5.4727	0.0354	-0.0017	-0.0043	0.0294
116	10	10.3	3.1889	2.2863	-0.0021	5.473	0.048	0.0031	-0.003	0.0481
117	10.2	10.2	3.1895	2.2867	-0.0023	5.474	0.0642	0.001	-0.0026	0.0626
118	10.1	10.1	3.1901	2.2873	-0.0022	5.4751	0.072	-0.0014	-0.0017	0.0689
119	9.56	10.1	3.1896	2.2877	-0.0023	5.475	0.0726	-0.0006	0.0017	0.0736
120	10.1	10.1	3.1891	2.2878	-0.0023	5.4746	0.0697	0.0142	0.001	0.085
121	10.1	10	3.1888	2.2887	-0.002	5.4755	0.0634	0.0195	-0.0037	0.0792
122	9.69	9.96	3.189	2.2889	-0.0021	5.4759	0.0599	0.0222	-0.0053	0.0768
123	10.2	9.95	3.1891	2.2892	-0.002	5.4763	0.0565	0.0277	-0.0067	0.0776
124	9.86	9.97	3.1886	2.2895	-0.0023	5.4758	0.0488	0.0358	-0.0068	0.0778
125	9.71	9.97	3.1884	2.2898	-0.0025	5.4757	0.0332	0.039	-0.0038	0.0683
126	9.64	9.97	3.1896	2.29	-0.0023	5.4773	0.028	0.0468	-0.0027	0.072
127	9.71	10	3.1906	2.29	-0.0023	5.4783	0.0318	0.0444	-0.0021	0.0741
128	9.9	10	3.1907	2.2899	-0.0023	5.4783	0.0375	0.0397	-0.0031	0.0742
129	9.73	10.1	3.1905	2.2895	-0.002	5.478	0.0503	0.0413	-0.0054	0.0862
130	9.97	10.1	3.1901	2.2889	-0.0021	5.477	0.058	0.0437	-0.0053	0.0964
131	9.43	10.2	3.1895	2.288	-0.0021	5.4754	0.0679	0.0428	-0.008	0.1027
132	10.6	10.2	3.1882	2.2882	-0.0022	5.4742	0.0776	0.0474	-0.008	0.117
133	10.5	10.2	3.1866	2.2875	-0.0026	5.4715	0.0966	0.0482	-0.0086	0.1361
134	10.4	10.3	3.1864	2.2869	-0.0028	5.4705	0.1152	0.0519	-0.006	0.1611
135	10	10.3	3.1859	2.2868	-0.0029	5.4698	0.1181	0.0499	-0.0066	0.1613
136	10.7	10.4	3.1852	2.2866	-0.0029	5.4689	0.1196	0.0479	-0.0078	0.1597
137	10.8	10.4	3.1852	2.2865	-0.0025	5.4692	0.109	0.0523	-0.0107	0.1506
138	10.6	10.4	3.1855	2.2863	-0.0021	5.4697	0.0896	0.0584	-0.0118	0.1362
139	10.9	10.5	3.1863	2.2864	-0.0016	5.4712	0.0804	0.0581	-0.01	0.1285

140	11	10.5	3.1867	2.2865	-0.0012	5.472	0.0884	0.0541	-0.0082	0.1343
141	10.6	10.6	3.186	2.2873	-0.001	5.4723	0.1053	0.046	-0.009	0.1423
142	10.2	10.6	3.1856	2.2881	-0.0011	5.4726	0.1066	0.038	-0.0092	0.1354
143	10.5	10.6	3.1852	2.2885	-0.0009	5.4728	0.09	0.0253	-0.0093	0.106
144	10.8	10.6	3.1846	2.2888	-0.0011	5.4723	0.0905	0.0246	-0.0099	0.1052
145	10.7	10.6	3.1843	2.2886	-0.001	5.4719	0.101	0.0228	-0.0091	0.1147
146	10.4	10.7	3.1838	2.2889	-0.001	5.4716	0.1085	0.0239	-0.0071	0.1253
147	10.5	10.7	3.1833	2.2893	-0.0011	5.4715	0.1172	0.0204	-0.0049	0.1327
148	10.7	10.7	3.1831	2.2892	-0.0013	5.4711	0.1153	0.0167	-0.0047	0.1273
149	10.8	10.7	3.1832	2.2888	-0.0015	5.4705	0.0812	0.0154	-0.0073	0.0893
150	10.8	10.7	3.1832	2.2885	-0.0018	5.4699	0.0381	0.0194	-0.0118	0.0457
151	10	10.8	3.1834	2.2887	-0.0021	5.47	0.0165	0.0199	-0.0158	0.0206
152	10.5	10.8	3.1834	2.2883	-0.0022	5.4695	-0.0063	0.022	-0.0151	0.0006
153	10.8	10.9	3.1835	2.2882	-0.002	5.4697	-0.0234	0.0268	-0.0193	-0.0159
154	10.7	10.9	3.1834	2.2883	-0.0018	5.4699	-0.0481	0.0165	-0.022	-0.0536
155	11.5	10.9	3.1833	2.2886	-0.0016	5.4703	-0.0628	0.0007	-0.021	-0.0831
156	10.9	11	3.1834	2.2886	-0.0015	5.4705	-0.0689	-0.0073	-0.0194	-0.0957
157	11.1	11	3.1838	2.2885	-0.0015	5.4709	-0.051	-0.015	-0.0179	-0.0839
158	11.1	11	3.1839	2.2887	-0.0013	5.4712	-0.0256	-0.0261	-0.0162	-0.0679
159	11.2	11.1	3.1842	2.2887	-0.0012	5.4717	0.0006	-0.0316	-0.0148	-0.0458
160	11.6	11.1	3.1843	2.2889	-0.0012	5.472	0.0174	-0.0277	-0.0148	-0.0251
161	11.2	11.1	3.1849	2.2897	-0.0011	5.4735	0.0335	-0.0251	-0.0125	-0.004
162	11	11.1	3.1857	2.29	-0.001	5.4747	0.0523	-0.0299	-0.0109	0.0115
163	11.2	11.1	3.1857	2.2903	-0.0011	5.4749	0.0631	-0.0324	-0.0093	0.0214
164	11.2	11.2	3.1846	2.2904	-0.0011	5.4738	0.0771	-0.0285	-0.0115	0.0371
165	11.4	11.1	3.1831	2.2901	-0.0012	5.472	0.0952	-0.0205	-0.0142	0.0605
166	11.2	11.2	3.182	2.29	-0.0014	5.4706	0.1064	-0.0172	-0.0131	0.0761
167	11.2	11.2	3.1815	2.29	-0.0014	5.4702	0.1063	-0.0156	-0.0117	0.079
168	11.4	11.2	3.1814	2.2903	-0.0017	5.47	0.0928	-0.0086	-0.0134	0.0708
169	11.3	11.2	3.1813	2.2899	-0.0016	5.4695	0.0734	0.0013	-0.0144	0.0603
170	11.1	11.1	3.1818	2.2895	-0.0014	5.4699	0.0613	0.008	-0.0153	0.054
171	10.7	11.1	3.182	2.2892	-0.0011	5.4701	0.0562	0.0126	-0.013	0.0558
172	10.8	11.1	3.1822	2.2886	-0.0008	5.47	0.043	0.0229	-0.0075	0.0583
173	10.8	11.1	3.1832	2.2886	-0.0006	5.4713	0.0397	0.0298	-0.0079	0.0616
174	11.3	11.1	3.1853	2.2888	-0.0006	5.4735	0.0381	0.0316	-0.0101	0.0597
175	11.2	11.1	3.1866	2.2885	-0.0007	5.4744	0.0296	0.0361	-0.0128	0.0529
176	11.1	11.1	3.1867	2.2888	-0.0009	5.4746	0.0222	0.0386	-0.0154	0.0455

177	11.3	11.1	3.1863	2.2892	-0.0011	5.4744	0.0202	0.0386	-0.0149	0.0438
178	11.1	11	3.1852	2.2891	-0.001	5.4732	0.0273	0.0393	-0.0156	0.051
179	10.7	11	3.1841	2.2888	-0.0011	5.4719	0.034	0.0381	-0.0164	0.0557
180	10.7	11	3.1828	2.2887	-0.0011	5.4704	0.0354	0.0339	-0.0158	0.0535
181	11.2	11	3.1817	2.2883	-0.0009	5.4691	0.0429	0.0261	-0.0163	0.0527
182	11.1	11.1	3.1796	2.2882	-0.001	5.4668	0.0563	0.0132	-0.016	0.0535
183	11.7	11.1	3.1781	2.2878	-0.0011	5.4648	0.0651	0.0111	-0.0166	0.0597
184	10.9	11.1	3.1777	2.2878	-0.0011	5.4643	0.0748	0.0016	-0.0196	0.0569
185	11	11.1	3.1775	2.2878	-0.0011	5.4642	0.0857	-0.0026	-0.0223	0.0607
186	10.7	11	3.1788	2.2869	-0.0008	5.4649	0.0791	-0.0062	-0.0234	0.0495
187	10.9	11	3.1806	2.286	-0.0008	5.4658	0.0789	-0.0092	-0.023	0.0467
188	10.9	11.1	3.181	2.2858	-0.0008	5.466	0.0733	-0.0071	-0.0195	0.0467
189	10.7	11.1	3.1795	2.286	-0.0008	5.4647	0.0513	-0.0095	-0.0147	0.0272
190	10.9	11.1	3.1783	2.2864	-0.0008	5.4639	0.0065	-0.007	-0.0089	-0.0094
191	12.4	11.1	3.1782	2.2868	-0.0008	5.4642	-0.0404	-0.0041	-0.0059	-0.0504
192	11	11.1	3.1792	2.2875	-0.001	5.4657	-0.0884	0.0074	-0.004	-0.085
193	10.9	11.1	3.1791	2.2874	-0.001	5.4655	-0.1242	0.0205	-0.0056	-0.1092
194	10.9	11.1	3.1783	2.2873	-0.0011	5.4645	-0.1244	0.0252	-0.0045	-0.1036
195	10.7	11.1	3.178	2.287	-0.0013	5.4637	-0.1135	0.029	-0.0036	-0.0881
196	11.4	11.1	3.1779	2.2871	-0.0013	5.4637	-0.117	0.027	-0.0019	-0.0918
197	11.3	11.1	3.1785	2.2872	-0.0013	5.4645	-0.1081	0.0307	-0.0008	-0.0782
198	11.2	11.1	3.1816	2.287	-0.0013	5.4673	-0.0976	0.0384	-0.0011	-0.0603
199	11.2	11.1	3.1854	2.2864	-0.0012	5.4707	-0.0843	0.0403	-0.004	-0.048
200	10.8	11.1	3.1871	2.2861	-0.0011	5.4721	-0.0629	0.0368	-0.0052	-0.0313
201	11.4	11.1	3.1892	2.286	-0.0011	5.4742	-0.0374	0.0326	-0.0069	-0.0118
202	11.2	11	3.1911	2.2858	-0.001	5.4759	-0.0143	0.032	-0.0105	0.0072
203	11	11.1	3.1929	2.2859	-0.001	5.4778	0.0037	0.029	-0.012	0.0208
204	11.1	11.1	3.1937	2.2865	-0.001	5.4792	0.0184	0.0281	-0.0108	0.0356
205	11.1	11.1	3.1935	2.2869	-0.001	5.4794	0.0377	0.0324	-0.0087	0.0614
206	11.1	11	3.1913	2.2874	-0.001	5.4777	0.055	0.0354	-0.0073	0.0831
207	11.1	11	3.1886	2.2878	-0.0009	5.4755	0.0645	0.0351	-0.004	0.0956
208	10.9	11	3.1859	2.2881	-0.0008	5.4732	0.0674	0.0328	-0.0039	0.0963
209	10.9	11	3.1844	2.288	-0.0008	5.4716	0.0576	0.0344	-0.0047	0.0873
210	11	11	3.1831	2.2879	-0.0009	5.4701	0.0481	0.0379	-0.0063	0.0796
211	10.6	11	3.1815	2.288	-0.0009	5.4686	0.0416	0.0431	-0.007	0.0777
212	11.1	11	3.1806	2.2881	-0.0009	5.4678	0.0461	0.0506	-0.0061	0.0906
213	11.1	11	3.1798	2.2882	-0.0009	5.4671	0.0505	0.0521	-0.0042	0.0984

214	10.6	11	3.1788	2.288	-0.0008	5.466	0.0531	0.0578	-0.0077	0.1031
215	11.1	11	3.1781	2.2879	-0.0009	5.4651	0.05	0.0596	-0.0071	0.1024
216	10.9	11	3.1782	2.2878	-0.0009	5.4651	0.0443	0.0568	-0.0075	0.0936
217	11.1	11	3.1802	2.2876	-0.001	5.4669	0.0477	0.0536	-0.0085	0.0928
218	11.3	11	3.1828	2.2871	-0.0008	5.4691	0.0623	0.0533	-0.0076	0.108
219	11.1	11.1	3.1835	2.2869	-0.0008	5.4696	0.0713	0.0531	-0.0093	0.1152
220	10.7	11.1	3.1835	2.2865	-0.001	5.469	0.0929	0.0473	-0.0071	0.1331
221	11.1	11.1	3.1845	2.2864	-0.0013	5.4697	0.1093	0.0452	-0.0042	0.1503
222	11.1	11.1	3.1851	2.286	-0.0013	5.4697	0.1142	0.0447	-0.0007	0.1582
223	11.6	11.2	3.1853	2.2861	-0.001	5.4704	0.1269	0.0431	0.0044	0.1744
224	10.8	11.2	3.1856	2.2859	-0.001	5.4705	0.1387	0.0493	0.0096	0.1976
225	11.3	11.2	3.1862	2.2859	-0.001	5.4712	0.1488	0.0572	0.0108	0.2168
226	11.3	11.2	3.1876	2.2861	-0.0008	5.4729	0.1638	0.0573	0.0108	0.2319
227	11.3	11.2	3.1879	2.2861	-0.0008	5.4732	0.1687	0.0613	0.0102	0.2402
228	11.7	11.2	3.1873	2.286	-0.0006	5.4728	0.162	0.0684	0.0098	0.2402
229	11.6	11.2	3.187	2.2862	-0.0004	5.4727	0.1417	0.0704	0.0096	0.2217
230	11.1	11.2	3.1858	2.2863	-0.0005	5.4717	0.1166	0.0722	0.0085	0.1972
231	11.2	11.2	3.1838	2.2867	-0.0005	5.47	0.0961	0.0733	0.0065	0.1758
232	11.6	11.2	3.1817	2.2871	-0.0006	5.4682	0.0953	0.0699	0.0084	0.1736
233	11	11.2	3.1791	2.2874	-0.0007	5.4658	0.0706	0.071	0.0058	0.1474
234	11	11.2	3.1778	2.2872	-0.0006	5.4644	0.0501	0.0721	0.0032	0.1254
235	11.4	11.2	3.178	2.2874	-0.0006	5.4648	0.0387	0.0725	0.0028	0.114
236	11.3	11.2	3.1773	2.2875	-0.0006	5.4642	0.0309	0.0822	0.0039	0.117
237	11	11.2	3.1779	2.2872	-0.0006	5.4645	0.0467	0.076	0.0087	0.1314
238	10.8	11.2	3.1804	2.2873	-0.0006	5.467	0.0805	0.0715	0.0098	0.1618
239	11.2	11.2	3.1857	2.2871	-0.0007	5.4721	0.1014	0.0692	0.0122	0.1828
240	11.5	11.2	3.1907	2.2869	-0.0006	5.477	0.1073	0.0718	0.0157	0.1948
241	11.1	11.3	3.1948	2.2866	-0.0006	5.4808	0.1072	0.0781	0.019	0.2042
242	11.1	11.3	3.198	2.286	-0.0005	5.4835	0.0992	0.0876	0.0218	0.2085
243	11.2	11.3	3.1977	2.286	-0.0005	5.4832	0.1031	0.0954	0.0197	0.2182
244	11	11.3	3.1959	2.2859	-0.0007	5.4811	0.1014	0.1	0.0182	0.2196
245	11.2	11.3	3.196	2.2859	-0.0008	5.4811	0.0936	0.1006	0.0159	0.21
246	11.2	11.4	3.1946	2.2858	-0.0009	5.4795	0.0859	0.1021	0.014	0.202
247	11.4	11.4	3.1931	2.2855	-0.001	5.4776	0.0495	0.103	0.0109	0.1634
248	11.7	11.4	3.1916	2.2852	-0.0009	5.4759	0.0289	0.1046	0.0066	0.1401
249	11.4	11.4	3.1895	2.2851	-0.001	5.4736	0.0397	0.1052	0.0028	0.1477
250	12	11.5	3.1869	2.2853	-0.0011	5.4711	0.0708	0.1058	-0.0004	0.1762

251	11.8	11.5	3.1848	2.2855	-0.001	5.4692	0.0891	0.1088	-0.0006	0.1973
252	11.1	11.6	3.183	2.2854	-0.001	5.4674	0.1134	0.1042	0	0.2176
253	12.1	11.6	3.1817	2.2854	-0.0009	5.4661	0.129	0.1022	0.0015	0.2327
254	11.3	11.7	3.1796	2.2851	-0.0009	5.4638	0.1409	0.1058	0.0013	0.248
255	12	11.7	3.1778	2.285	-0.0008	5.4619	0.1448	0.1157	0.0018	0.2623
256	11.4	11.7	3.177	2.2851	-0.0011	5.461	0.1406	0.1207	0.002	0.2633
257	11.6	11.8	3.1771	2.2853	-0.0011	5.4613	0.1125	0.1245	-0.0019	0.2351
258	11.7	11.7	3.1781	2.2853	-0.0009	5.4625	0.0765	0.125	-0.0031	0.1984
259	11.7	11.7	3.1794	2.2849	-0.0006	5.4637	0.0474	0.1252	-0.001	0.1716
260	11.8	11.7	3.1801	2.2846	-0.0005	5.4643	0.033	0.1249	-0.0005	0.1574
261	12.1	11.7	3.1803	2.2846	-0.0005	5.4644	0.0174	0.1193	0.0006	0.1373
262	11.8	11.7	3.1806	2.2848	-0.0006	5.4648	0.0001	0.1138	0.0015	0.1154
263	12.1	11.7	3.1804	2.2845	-0.0003	5.4646	-0.0023	0.1172	0.002	0.1169
264	12.7	11.7	3.1796	2.2844	-0.0004	5.4636	-0.0092	0.1193	0.0027	0.1127
265	11.6	11.7	3.1787	2.2844	-0.0005	5.4626	-0.0198	0.1192	0.0054	0.1048
266	12	11.7	3.1772	2.2846	-0.0005	5.4613	-0.0313	0.1223	0.0041	0.0951
267	11.1	11.7	3.1753	2.2847	-0.0006	5.4594	-0.0365	0.1262	0.0066	0.0963
268	11.2	11.7	3.1742	2.285	-0.0007	5.4585	-0.0287	0.1238	0.0064	0.1015
269	11.3	11.7	3.172	2.2851	-0.0009	5.4562	-0.0063	0.1186	0.0077	0.12
270	11.3	11.7	3.1708	2.285	-0.001	5.4549	-0.0033	0.1171	0.0059	0.1197
271	11.6	11.7	3.1706	2.2848	-0.0011	5.4543	-0.0008	0.1146	0.002	0.1159
272	11.6	11.7	3.1695	2.2843	-0.0013	5.4526	0.0068	0.1122	-0.0005	0.1185
273	11.8	11.7	3.1694	2.2837	-0.0016	5.4515	0.0151	0.1071	-0.0016	0.1206
274	11.2	11.6	3.1704	2.283	-0.0017	5.4518	0.0268	0.1072	0.0002	0.1342
275	11.4	11.6	3.1702	2.2828	-0.0018	5.4512	0.0542	0.1035	0.0007	0.1584
276	11.9	11.5	3.1698	2.2827	-0.0019	5.4506	0.0679	0.1058	0.0021	0.1758
277	11.6	11.5	3.1701	2.2824	-0.0021	5.4504	0.0725	0.1117	0.0031	0.1872
278	11.8	11.5	3.171	2.282	-0.002	5.451	0.0769	0.1127	0.0043	0.1939
279	12.1	11.5	3.1725	2.2816	-0.0019	5.4522	0.0688	0.1129	0.0062	0.1879
280	11.7	11.5	3.1732	2.2814	-0.0017	5.4528	0.063	0.1167	0.0105	0.1902
281	11.8	11.5	3.1722	2.2814	-0.0018	5.4518	0.0535	0.1156	0.0101	0.1792
282	11.8	11.4	3.1726	2.2811	-0.0016	5.4521	0.0254	0.1223	0.009	0.1567
283	11.8	11.4	3.1731	2.2806	-0.0014	5.4522	-0.008	0.1317	0.0077	0.1314
284	10.9	11.4	3.1738	2.2805	-0.0014	5.4529	-0.0407	0.1329	0.0073	0.0995
285	11.3	11.4	3.1744	2.2796	-0.0015	5.4525	-0.0468	0.1249	0.0117	0.0898
286	10.7	11.3	3.1741	2.2793	-0.0017	5.4517	-0.0439	0.1244	0.0138	0.0943
287	11	11.3	3.1725	2.2789	-0.0018	5.4496	-0.0415	0.1225	0.0175	0.0985

288	11.1	11.2	3.1709	2.2788	-0.0021	5.4477	-0.0315	0.1203	0.018	0.1068
289	11	11.1	3.1688	2.2788	-0.0024	5.4453	-0.0073	0.1238	0.0148	0.1313
290	11.1	11.1	3.1675	2.2786	-0.0027	5.4434	0.0437	0.126	0.0172	0.187
291	10.6	11	3.1683	2.2781	-0.003	5.4434	0.0954	0.1271	0.0192	0.2417
292	11	10.9	3.1689	2.2779	-0.003	5.4439	0.1465	0.1278	0.0206	0.295
293	11.3	10.9	3.1689	2.2774	-0.0028	5.4435	0.1882	0.124	0.0204	0.3325
294	11.5	10.8	3.169	2.2772	-0.0027	5.4435	0.1958	0.1283	0.0211	0.3452
295	10.9	10.7	3.1694	2.2768	-0.0027	5.4435	0.1839	0.1297	0.0187	0.3323
296	10.5	10.7	3.173	2.2768	-0.0024	5.4474	0.1825	0.1297	0.0161	0.3284
297	10.6	10.7	3.1757	2.2768	-0.002	5.4505	0.1619	0.1326	0.0148	0.3092
298	11	10.6	3.1776	2.2765	-0.0016	5.4526	0.1269	0.1342	0.0131	0.2742
299	10.3	10.6	3.1784	2.2758	-0.0011	5.453	0.0926	0.136	0.0138	0.2425
300	10.4	10.6	3.1782	2.2753	-0.001	5.4524	0.0467	0.1411	0.0085	0.1963
301	10.8	10.6	3.1779	2.2756	-0.0011	5.4524	-0.007	0.1387	0.0034	0.1351
302	10.3	10.6	3.1782	2.2756	-0.0012	5.4526	-0.0413	0.1392	0.0032	0.101
303	10.1	10.5	3.1788	2.2753	-0.0011	5.453	-0.0701	0.1368	0.0024	0.0691
304	9.85	10.5	3.1792	2.275	-0.0012	5.453	-0.0944	0.136	0.004	0.0456
305	9.86	10.5	3.1795	2.2748	-0.0012	5.4531	-0.118	0.1358	0.0046	0.0224
306	10.3	10.5	3.1801	2.2749	-0.0008	5.4542	-0.1379	0.1371	0.0049	0.0041
307	10.8	10.5	3.1809	2.2753	-0.0006	5.4556	-0.1364	0.1382	0.002	0.0038
308	10.6	10.5	3.1812	2.2756	-0.0007	5.4561	-0.1263	0.1379	0.0006	0.0122
309	10.5	10.5	3.1811	2.2755	-0.0008	5.4559	-0.1227	0.1358	0.0022	0.0154
310	10.7	10.5	3.1814	2.276	-0.0009	5.4564	-0.1267	0.1315	0.005	0.0098
311	10.5	10.5	3.1815	2.2766	-0.001	5.457	-0.1266	0.1283	0.0074	0.0091
312	10.4	10.5	3.1808	2.2764	-0.0011	5.4561	-0.1259	0.1301	0.0102	0.0144
313	10.4	10.5	3.1807	2.2763	-0.0012	5.4558	-0.1267	0.1347	0.0102	0.0182
314	10.7	10.6	3.1808	2.2761	-0.0014	5.4555	-0.1303	0.1355	0.0119	0.0171
315	10.8	10.6	3.1812	2.2756	-0.0013	5.4556	-0.139	0.138	0.0095	0.0084
316	11.1	10.6	3.1819	2.2752	-0.0016	5.4555	-0.1451	0.1431	0.0074	0.0055
317	10.1	10.6	3.1831	2.2752	-0.0016	5.4567	-0.1476	0.1497	0.0075	0.0096
318	10.6	10.6	3.1834	2.2753	-0.0016	5.4571	-0.154	0.1495	0.0075	0.003
319	10.7	10.6	3.1838	2.2751	-0.0013	5.4576	-0.1563	0.1553	0.0075	0.0065
320	10.9	10.7	3.1836	2.2751	-0.0012	5.4574	-0.1764	0.1575	0.006	-0.0128
321	10.8	10.7	3.1838	2.2752	-0.0012	5.4578	-0.1909	0.1557	0.0017	-0.0335
322	10.7	10.7	3.1836	2.2753	-0.0011	5.4577	-0.1947	0.1582	-0.0027	-0.0392
323	10.6	10.7	3.1826	2.2754	-0.001	5.4569	-0.1994	0.1509	-0.0035	-0.052
324	10.3	10.7	3.1802	2.2755	-0.0011	5.4547	-0.192	0.1432	-0.003	-0.0518

325	10.5	10.7	3.1794	2.2754	-0.0012	5.4536	-0.1781	0.1353	-0.003	-0.0458
326	11	10.7	3.1803	2.2749	-0.0011	5.4541	-0.1789	0.1321	-0.0045	-0.0514
327	10.3	10.7	3.1802	2.2748	-0.0012	5.4538	-0.1797	0.1286	-0.0058	-0.0569
328	10.9	10.7	3.1804	2.2748	-0.0012	5.454	-0.1775	0.1239	-0.0085	-0.0621
329	11.4	10.7	3.1807	2.2745	-0.0015	5.4537	-0.1695	0.121	-0.0083	-0.0569
330	10.3	10.7	3.1805	2.2748	-0.0015	5.4538	-0.1551	0.1156	-0.0071	-0.0466
331	10.7	10.7	3.1813	2.2745	-0.0014	5.4544	-0.1454	0.1121	-0.0046	-0.038
332	10.6	10.7	3.1825	2.274	-0.0014	5.4551	-0.1533	0.1107	-0.0018	-0.0444
333	10.3	10.8	3.1832	2.2741	-0.0014	5.4559	-0.1532	0.1089	0.0001	-0.0442
334	10.7	10.8	3.1825	2.2747	-0.0018	5.4554	-0.1455	0.0988	-0.0014	-0.0481
335	11.3	10.8	3.1824	2.275	-0.002	5.4554	-0.1378	0.0973	-0.0035	-0.044
336	10.4	10.8	3.1815	2.2753	-0.0023	5.4544	-0.1304	0.0866	-0.0057	-0.0495
337	11.8	10.9	3.181	2.2752	-0.0024	5.4538	-0.1437	0.0853	-0.0083	-0.0667
338	10.8	10.9	3.1811	2.2749	-0.0021	5.4539	-0.1755	0.0766	-0.0112	-0.1101
339	10.7	10.8	3.1813	2.2745	-0.0024	5.4534	-0.1946	0.0723	-0.0147	-0.1369
340	10.7	10.9	3.1812	2.2742	-0.0026	5.4528	-0.2251	0.075	-0.0156	-0.1657
341	10.8	10.9	3.1802	2.2738	-0.0027	5.4513	-0.2545	0.0748	-0.0172	-0.1969
342	10.8	10.9	3.1792	2.2736	-0.0026	5.4502	-0.244	0.069	-0.018	-0.193
343	11.1	10.9	3.1781	2.2732	-0.0026	5.4486	-0.2265	0.0694	-0.0156	-0.1728
344	11.1	10.9	3.1775	2.2729	-0.0026	5.4479	-0.2204	0.0666	-0.0132	-0.167
345	11.2	10.9	3.1777	2.2729	-0.0024	5.4482	-0.216	0.0624	-0.012	-0.1656
346	11.3	10.9	3.1784	2.2726	-0.0024	5.4485	-0.2109	0.0602	-0.0113	-0.162
347	10.4	10.8	3.1804	2.272	-0.0023	5.4501	-0.1709	0.0607	-0.0085	-0.1187
348	10.8	10.7	3.1823	2.2716	-0.0023	5.4516	-0.1376	0.0613	-0.0045	-0.0808
349	11.2	10.8	3.1848	2.271	-0.0019	5.454	-0.1205	0.057	-0.0024	-0.0659
350	10.4	10.7	3.1876	2.2714	-0.0015	5.4576	-0.1202	0.0516	0.001	-0.0675
351	10.5	10.7	3.1889	2.2716	-0.0013	5.4591	-0.1301	0.0468	0.0009	-0.0825
352	10.8	10.7	3.19	2.2717	-0.0012	5.4605	-0.135	0.05	0	-0.085
353	10.8	10.7	3.1911	2.2718	-0.0013	5.4616	-0.1324	0.0527	-0.0015	-0.0812
354	10.7	10.6	3.1914	2.2715	-0.0014	5.4616	-0.0994	0.0493	-0.0043	-0.0544
355	10.5	10.6	3.1916	2.2713	-0.0013	5.4615	-0.0752	0.0482	-0.0057	-0.0327
356	10.1	10.5	3.1906	2.2713	-0.0013	5.4606	-0.0587	0.0431	-0.0048	-0.0204
357	10.4	10.6	3.1897	2.2715	-0.0011	5.46	-0.045	0.0434	0.0002	-0.0013
358	11	10.5	3.1904	2.2717	-0.0011	5.461	-0.0286	0.0455	0.0036	0.0206
359	10.1	10.5	3.192	2.2718	-0.0011	5.4627	-0.0144	0.0477	0.0045	0.0377
360	10.7	10.5	3.1928	2.2718	-0.0012	5.4634	-0.0106	0.0516	0.0056	0.0465
361	10.5	10.6	3.1929	2.2716	-0.0015	5.463	-0.0059	0.0613	0.0053	0.0607

362	10.4	10.5	3.1933	2.2713	-0.0016	5.463	-0.0088	0.069	0.0023	0.0625
363	10.5	10.5	3.1935	2.271	-0.0015	5.4629	-0.0171	0.0642	0.0027	0.0498
364	10.4	10.5	3.1935	2.2706	-0.0014	5.4628	-0.0152	0.0636	0.0023	0.0507
365	10.3	10.6	3.1932	2.2701	-0.0012	5.4621	-0.008	0.0597	0.0005	0.0521
366	10.5	10.6	3.1919	2.2696	-0.0013	5.4603	-0.0094	0.0568	-0.0012	0.0462
367	10.4	10.6	3.1907	2.2697	-0.0014	5.4591	-0.0002	0.0565	-0.0055	0.0508
368	11.1	10.6	3.1899	2.2694	-0.0015	5.4578	0.0181	0.057	-0.008	0.0671
369	10.7	10.6	3.1896	2.2694	-0.0015	5.4575	0.0263	0.0538	-0.0066	0.0734
370	10.7	10.6	3.1899	2.2695	-0.0012	5.4582	0.0288	0.0505	-0.002	0.0772
371	10.4	10.6	3.19	2.2689	-0.0008	5.4582	0.0227	0.0502	0	0.0729
372	11	10.7	3.1894	2.2692	-0.0009	5.4578	0.025	0.052	-0.0013	0.0758
373	10.6	10.7	3.1886	2.2694	-0.0013	5.4567	0.0247	0.0526	-0.0022	0.0751
374	10.7	10.6	3.1883	2.2695	-0.0014	5.4564	0.0218	0.052	0.0003	0.0741
375	10.8	10.7	3.1881	2.2696	-0.0014	5.4563	-0.001	0.0571	0.003	0.0591
376	10.5	10.6	3.1878	2.2698	-0.0013	5.4563	-0.0058	0.0575	0.0042	0.0558
377	10.9	10.6	3.1879	2.27	-0.0012	5.4566	0.0107	0.0542	0.0058	0.0707
378	10.9	10.6	3.1879	2.2699	-0.0012	5.4567	0.0033	0.0518	0.003	0.0581
379	10.6	10.6	3.188	2.2701	-0.0012	5.4568	0.0025	0.0519	0.0032	0.0576
380	10.7	10.6	3.1877	2.2702	-0.0013	5.4566	0.0064	0.0551	0.0013	0.0628
381	10.7	10.6	3.1875	2.2703	-0.0016	5.4562	0.0054	0.064	0.0012	0.0707
382	10.5	10.5	3.1879	2.2702	-0.0016	5.4565	0.0081	0.0647	0.0024	0.0753
383	9.92	10.5	3.1876	2.2707	-0.0013	5.457	0.0183	0.0618	0.0038	0.0839
384	10.7	10.5	3.1876	2.2708	-0.0011	5.4573	0.0239	0.0647	0.0075	0.0961
385	10.2	10.5	3.1874	2.2709	-0.0009	5.4574	0.0158	0.0694	0.0061	0.0914
386	10.5	10.6	3.1885	2.2708	-0.0009	5.4584	0.0207	0.0765	0.0052	0.1024
387	10.1	10.5	3.1901	2.2712	-0.0006	5.4606	0.0082	0.0847	-0.0026	0.0903
388	10.4	10.6	3.1904	2.2716	-0.0006	5.4614	-0.01	0.0881	-0.0061	0.072
389	10.4	10.6	3.1913	2.2713	-0.0008	5.4618	-0.0337	0.0913	-0.0047	0.0529
390	10.4	10.6	3.193	2.2711	-0.001	5.4631	-0.0471	0.0887	-0.0092	0.0325
391	10.4	10.6	3.1927	2.2712	-0.0012	5.4627	-0.0573	0.0904	-0.0105	0.0226
392	10.4	10.6	3.1916	2.271	-0.0014	5.4612	-0.0748	0.0885	-0.0106	0.0031
393	10.6	10.7	3.191	2.2707	-0.0015	5.4602	-0.0863	0.0874	-0.0085	-0.0074
394	11.3	10.7	3.1906	2.271	-0.0015	5.46	-0.0958	0.0819	-0.0077	-0.0216
395	10.8	10.8	3.1905	2.2708	-0.0016	5.4597	-0.1023	0.0753	-0.0067	-0.0337
396	10.8	10.8	3.1901	2.2707	-0.0015	5.4593	-0.1005	0.076	-0.0044	-0.0289
397	11.2	10.8	3.1894	2.2706	-0.0015	5.4585	-0.0943	0.0766	-0.003	-0.0206
398	11.2	10.8	3.1897	2.2708	-0.0013	5.4591	-0.0737	0.0734	-0.003	-0.0033

399	10.8	10.9	3.1904	2.2706	-0.0012	5.4598	-0.0516	0.0685	-0.0013	0.0156
400	10.8	10.9	3.1912	2.2706	-0.0011	5.4606	-0.0262	0.0664	0.0064	0.0466
401	11.2	11	3.1914	2.2706	-0.0011	5.4609	-0.0006	0.0732	0.0098	0.0825
402	11.6	11	3.1914	2.2703	-0.001	5.4607	0.0114	0.0791	0.011	0.1015
403	10.9	11	3.1888	2.2704	-0.0007	5.4584	0.017	0.0907	0.0115	0.1193
404	10.8	10.9	3.1868	2.2701	-0.0006	5.4563	0.0264	0.095	0.0081	0.1295
405	10.8	10.9	3.1853	2.2705	-0.0007	5.4551	0.0134	0.0907	0.0072	0.1112
406	10.6	10.9	3.1846	2.2706	-0.0008	5.4543	-0.0143	0.0946	0.0052	0.0855
407	11.1	10.9	3.1838	2.2708	-0.001	5.4536	-0.0589	0.0969	0.0032	0.0412
408	11.4	10.9	3.1826	2.2708	-0.0011	5.4523	-0.085	0.1007	0.0077	0.0234
409	11.1	11	3.1822	2.2704	-0.0013	5.4512	-0.0856	0.1034	0.01	0.0278
410	11	11	3.182	2.2698	-0.0015	5.4503	-0.0696	0.109	0.01	0.0494
411	10.8	11	3.1823	2.2697	-0.0013	5.4508	-0.0434	0.1094	0.0083	0.0744
412	10.2	10.9	3.1825	2.2699	-0.0014	5.4511	-0.0156	0.109	0.0052	0.0985
413	10.6	10.9	3.1822	2.2699	-0.0014	5.4507	0.0002	0.1037	0.005	0.1088
414	10.9	10.9	3.1816	2.2701	-0.0014	5.4503	0.0135	0.0976	0.0058	0.117
415	10.9	10.9	3.1822	2.27	-0.0012	5.451	0.0418	0.0856	0.0102	0.1377
416	11.2	10.9	3.1819	2.2696	-0.001	5.4504	0.0568	0.0748	0.0141	0.1457
417	11.1	10.9	3.1813	2.2695	-0.0008	5.45	0.0619	0.0684	0.016	0.1463
418	11.5	10.8	3.1808	2.2699	-0.0009	5.4498	0.0607	0.0684	0.0162	0.1452
419	11	10.8	3.1809	2.2701	-0.0011	5.4499	0.054	0.0637	0.0141	0.1318
420	10.8	10.8	3.1813	2.27	-0.0012	5.4502	0.0571	0.0698	0.013	0.1399
421	10.6	10.8	3.1813	2.27	-0.0011	5.4503	0.0694	0.0751	0.016	0.1606
422	10.8	10.8	3.1811	2.27	-0.0009	5.4502	0.079	0.0685	0.0187	0.1662
423	10.8	10.8	3.1804	2.2702	-0.0011	5.4495	0.0699	0.0725	0.0162	0.1586
424	11	10.8	3.1803	2.2698	-0.0014	5.4488	0.0467	0.0787	0.0104	0.1357
425	10.3	10.8	3.18	2.2696	-0.0016	5.448	0.0202	0.0866	0.0068	0.1135
426	10.7	10.8	3.1793	2.2695	-0.0017	5.4471	-0.017	0.0947	0.0051	0.0828
427	10.3	10.8	3.1799	2.2696	-0.0015	5.448	-0.052	0.1044	0.003	0.0553
428	10.5	10.8	3.1802	2.2696	-0.0016	5.4482	-0.0713	0.1093	0.0028	0.0409
429	11.2	10.8	3.1801	2.269	-0.0016	5.4474	-0.0795	0.1084	0.0053	0.0342
430	11	10.8	3.1799	2.2684	-0.0016	5.4467	-0.086	0.1085	0.0061	0.0286
431	10.9	10.9	3.1805	2.268	-0.0016	5.4468	-0.0831	0.1105	0.006	0.0334
432	10.5	10.9	3.1807	2.2678	-0.0017	5.4467	-0.0754	0.1165	0.0022	0.0433
433	10.7	10.9	3.1808	2.2676	-0.0022	5.4463	-0.0585	0.1195	0.0014	0.0624
434	10.8	10.9	3.1809	2.2678	-0.0024	5.4463	-0.0469	0.1221	0.0015	0.0767
435	11.2	11	3.1803	2.2673	-0.0025	5.4452	-0.0365	0.1207	0.0031	0.0873

436	11.4	11	3.1806	2.2668	-0.0021	5.4453	-0.0281	0.1195	0.0069	0.0983
437	11.2	11	3.182	2.2664	-0.0018	5.4466	-0.0051	0.1191	0.0083	0.1223
438	10.8	11.1	3.1845	2.2657	-0.0017	5.4486	0.0202	0.1209	0.0089	0.15
439	11	11	3.186	2.2657	-0.0015	5.4502	0.0336	0.124	0.0072	0.1648
440	11.2	11.1	3.1869	2.2652	-0.0015	5.4506	0.0463	0.1201	0.0029	0.1693
441	11.1	11.1	3.1877	2.2649	-0.0016	5.451	0.059	0.1269	0.0012	0.187
442	11.7	11.1	3.1878	2.2649	-0.0017	5.451	0.0555	0.1347	-0.0012	0.189
443	11.3	11.1	3.1877	2.265	-0.0018	5.4508	0.0395	0.132	-0.0042	0.1673
444	10.9	11.1	3.1878	2.2654	-0.0019	5.4513	0.0172	0.1282	-0.0026	0.1428
445	10.6	11.1	3.1878	2.2653	-0.002	5.4511	0.0008	0.1259	-0.0017	0.125
446	11.8	11.1	3.1878	2.2649	-0.0021	5.4506	-0.009	0.1221	-0.0017	0.1114
447	10.7	11.1	3.1878	2.2647	-0.002	5.4505	-0.0159	0.1235	-0.002	0.1056
448	10.9	11.1	3.1875	2.2648	-0.0022	5.4501	-0.0201	0.1228	-0.0014	0.1013
449	11.3	11.1	3.1874	2.2644	-0.0025	5.4493	-0.0122	0.1265	0.0005	0.1148
450	11	11.1	3.1877	2.2641	-0.0025	5.4493	-0.0086	0.1326	0.0007	0.1247
451	10.9	11.1	3.1878	2.2636	-0.0024	5.449	-0.0139	0.1298	0.0008	0.1167
452	10.9	11.1	3.1883	2.2627	-0.0024	5.4486	-0.0254	0.1267	0.001	0.1023
453	11.2	11.1	3.1884	2.2623	-0.0021	5.4486	-0.0169	0.1207	0.0022	0.106
454	11.1	11.1	3.1901	2.2624	-0.0021	5.4504	-0.0363	0.1246	0.008	0.0963
455	11.2	11.1	3.193	2.2618	-0.0019	5.453	-0.0467	0.1251	0.0122	0.0906
456	11.5	11.1	3.1965	2.2616	-0.0016	5.4565	-0.0462	0.1304	0.0131	0.0974
457	10.7	11.1	3.1982	2.2614	-0.0019	5.4577	-0.0465	0.1342	0.0158	0.1034
458	10.8	11.1	3.1989	2.2614	-0.0021	5.4582	-0.0546	0.1387	0.015	0.0992
459	11.7	11	3.199	2.2609	-0.0021	5.4578	-0.0832	0.1391	0.0083	0.0642
460	11.1	11	3.1971	2.2608	-0.0021	5.4559	-0.1205	0.1347	0.0017	0.0159
461	11.6	11	3.1945	2.2607	-0.002	5.4532	-0.1382	0.1321	-0.0051	-0.0112
462	11	10.9	3.1933	2.2609	-0.0021	5.4521	-0.1385	0.1262	-0.0048	-0.0171
463	10.7	10.8	3.1921	2.2612	-0.0021	5.4512	-0.1583	0.1262	-0.0036	-0.0356
464	10.7	10.8	3.1893	2.262	-0.0024	5.449	-0.1804	0.121	-0.0035	-0.0628
465	11.1	10.7	3.1875	2.2626	-0.0027	5.4475	-0.1865	0.1173	-0.0065	-0.0757
466	10.7	10.6	3.1858	2.2628	-0.0029	5.4457	-0.1598	0.1166	-0.0059	-0.049
467	11.4	10.5	3.1846	2.2629	-0.003	5.4445	-0.1331	0.1113	-0.0036	-0.0254
468	10.4	10.5	3.1845	2.2631	-0.0029	5.4447	-0.1204	0.1048	-0.0005	-0.0162
469	10.6	10.5	3.1839	2.2624	-0.0028	5.4435	-0.1103	0.1026	-0.0015	-0.0092
470	9.9	10.4	3.183	2.2619	-0.0028	5.4421	-0.0977	0.1066	-0.0027	0.0062
471	9.88	10.3	3.1821	2.2621	-0.0027	5.4416	-0.0969	0.1132	-0.003	0.0133
472	9.72	10.3	3.1825	2.262	-0.0025	5.4419	-0.1113	0.1195	-0.0008	0.0073

473	9.56	10.3	3.1839	2.2615	-0.0023	5.4431	-0.1402	0.1169	-0.0013	-0.0245
474	9.81	10.2	3.1862	2.2608	-0.0021	5.445	-0.1463	0.1103	-0.0046	-0.0406
475	9.67	10.2	3.1898	2.2601	-0.0019	5.448	-0.1409	0.1038	-0.0075	-0.0446
476	10	10.1	3.193	2.2594	-0.0016	5.4507	-0.1237	0.0999	-0.009	-0.0329
477	10.5	10.1	3.195	2.259	-0.0015	5.4525	-0.1112	0.0999	-0.0094	-0.0207
478	10.3	10	3.1959	2.2591	-0.0017	5.4533	-0.0994	0.0997	-0.0079	-0.0077
479	10.2	9.98	3.1966	2.2592	-0.0018	5.454	-0.0889	0.1007	-0.0079	0.004
480	10.3	10	3.1961	2.2591	-0.0019	5.4533	-0.0786	0.0984	-0.0066	0.0133
481	10.1	10.1	3.195	2.2586	-0.0018	5.4519	-0.0575	0.0952	-0.0059	0.0317
482	10	10.1	3.1937	2.2583	-0.0017	5.4503	-0.0273	0.0927	-0.0056	0.0598
483	10.2	10.1	3.1923	2.2585	-0.0014	5.4494	-0.0016	0.0945	-0.0072	0.0856
484	9.93	10.1	3.1913	2.2587	-0.0014	5.4486	0.0214	0.0993	-0.0107	0.11
485	9.93	10.1	3.1902	2.259	-0.0016	5.4476	0.0279	0.1019	-0.0128	0.117
486	10.1	10.1	3.189	2.2589	-0.0017	5.4462	0.0284	0.1	-0.0144	0.1139
487	9.66	10.2	3.188	2.2591	-0.0015	5.4456	0.0329	0.0978	-0.0113	0.1195
488	9.87	10.2	3.187	2.2592	-0.0013	5.4449	0.0533	0.0948	-0.0052	0.1428
489	10.6	10.2	3.1867	2.2593	-0.0011	5.4449	0.0874	0.0854	-0.0026	0.1703
490	10.6	10.2	3.1871	2.2584	-0.0011	5.4444	0.1061	0.0873	-0.0026	0.1908
491	10.2	10.2	3.1871	2.2577	-0.0011	5.4438	0.1184	0.0901	-0.0037	0.2048
492	9.86	10.2	3.1876	2.2578	-0.001	5.4445	0.1275	0.0928	-0.0074	0.213
493	9.93	10.3	3.1892	2.2579	-0.0012	5.4459	0.1264	0.0892	-0.0064	0.2092
494	10.1	10.3	3.1905	2.2584	-0.0013	5.4475	0.1284	0.0897	-0.0065	0.2116
495	10.4	10.3	3.1914	2.2586	-0.0014	5.4486	0.1285	0.095	-0.0039	0.2196
496	10.7	10.3	3.1917	2.2584	-0.0013	5.4487	0.1273	0.0954	-0.003	0.2196
497	10.6	10.4	3.1914	2.2584	-0.0014	5.4484	0.127	0.0935	-0.0054	0.2151
498	10.5	10.4	3.1909	2.2582	-0.0014	5.4477	0.115	0.0953	-0.0061	0.2042
499	10.4	10.4	3.1912	2.2574	-0.0013	5.4473	0.1053	0.0896	-0.0061	0.1888
500	10.5	10.4	3.1926	2.2576	-0.0012	5.449	0.1113	0.0848	-0.0065	0.1896
501	10.5	10.5	3.1939	2.2579	-0.0012	5.4507	0.1148	0.0834	-0.0068	0.1915
502	10.8	10.5	3.1931	2.2583	-0.0012	5.4501	0.1107	0.0752	-0.0075	0.1784
503	10.3	10.5	3.1924	2.2579	-0.0015	5.4488	0.1077	0.0696	-0.0077	0.1696
504	10.7	10.5	3.1914	2.2576	-0.0018	5.4472	0.0934	0.0705	-0.0075	0.1563
505	10.5	10.5	3.19	2.2575	-0.002	5.4454	0.0995	0.0743	-0.005	0.1688
506	10.4	10.5	3.1892	2.2571	-0.0024	5.444	0.1369	0.0635	0.0004	0.2008
507	10.6	10.5	3.1892	2.2569	-0.0025	5.4437	0.1848	0.0624	0.0039	0.251
508	10.6	10.5	3.191	2.2569	-0.002	5.4459	0.2103	0.0644	0.0026	0.2773
509	10.7	10.5	3.1942	2.2569	-0.0015	5.4497	0.2204	0.0704	0.003	0.2937

510	10.6	10.5	3.1958	2.2566	-0.001	5.4515	0.2253	0.0701	0.0023	0.2977
511	10.5	10.5	3.1962	2.2571	-0.0008	5.4525	0.2085	0.0748	0.0004	0.2837
512	10.3	10.5	3.1983	2.2573	-0.001	5.4546	0.1597	0.0743	-0.0025	0.2316
513	10.7	10.5	3.2003	2.2578	-0.0011	5.457	0.0904	0.0767	-0.0062	0.1608
514	10.5	10.5	3.2002	2.2584	-0.0007	5.4579	0.034	0.0893	-0.0063	0.117
515	10.6	10.5	3.1982	2.2583	-0.0006	5.4559	-0.0235	0.1022	-0.0079	0.0708
516	10.1	10.5	3.1952	2.2584	-0.0007	5.453	-0.0487	0.1021	-0.015	0.0384
517	10.3	10.4	3.1934	2.259	-0.0007	5.4516	-0.0634	0.097	-0.0197	0.0138
518	10.5	10.5	3.1918	2.2597	-0.0008	5.4507	-0.0762	0.0995	-0.0219	0.0013
519	10.7	10.4	3.1907	2.2594	-0.0009	5.4493	-0.0867	0.0951	-0.021	-0.0125
520	10.2	10.5	3.191	2.2587	-0.0009	5.4488	-0.0914	0.0839	-0.0195	-0.0269
521	10	10.5	3.1925	2.2581	-0.001	5.4495	-0.1067	0.0765	-0.0178	-0.048
522	11.2	10.5	3.1951	2.2583	-0.0008	5.4526	-0.1157	0.0809	-0.0167	-0.0515
523	10	10.5	3.1951	2.2591	-0.0006	5.4536	-0.1085	0.0802	-0.0162	-0.0445
524	9.89	10.5	3.1944	2.2595	-0.0006	5.4532	-0.0992	0.0726	-0.0168	-0.0434
525	10.5	10.5	3.1924	2.2596	-0.0007	5.4513	-0.0792	0.0617	-0.0165	-0.0341
526	10.4	10.5	3.1904	2.2595	-0.0007	5.4491	-0.0372	0.0516	-0.0146	-0.0002
527	10.7	10.5	3.1898	2.2597	-0.0007	5.4488	-0.01	0.04	-0.0116	0.0185
528	10.6	10.6	3.1891	2.2595	-0.0008	5.4478	0.0071	0.042	-0.0092	0.04
529	10.7	10.7	3.1879	2.2591	-0.001	5.4461	0.024	0.0438	-0.011	0.0567
530	11.3	10.7	3.1857	2.2588	-0.001	5.4435	0.0327	0.0422	-0.0131	0.0618
531	10.5	10.7	3.1832	2.2587	-0.0011	5.4409	0.0192	0.0431	-0.0138	0.0485
532	10.8	10.7	3.1808	2.2583	-0.001	5.4381	0.0032	0.0408	-0.0123	0.0318
533	10.8	10.8	3.1787	2.2577	-0.0011	5.4353	0.0053	0.0368	-0.0103	0.0319
534	10.4	10.9	3.1781	2.2576	-0.0011	5.4346	0.0146	0.0379	-0.0072	0.0452
535	10.6	10.9	3.1775	2.2573	-0.0011	5.4338	0.0291	0.0381	-0.0053	0.0619
536	10.5	10.9	3.1773	2.257	-0.001	5.4334	0.052	0.0435	-0.0072	0.0883
537	11.8	11	3.1767	2.2569	-0.0013	5.4323	0.0611	0.0439	-0.008	0.097
538	11.6	11	3.1757	2.2572	-0.0014	5.4315	0.0733	0.0471	-0.0055	0.115
539	10.8	11	3.1754	2.2569	-0.0012	5.4311	0.085	0.046	0.0008	0.1318
540	11	11	3.1751	2.2561	-0.0011	5.4301	0.0789	0.0522	0.0082	0.1393
541	11.1	11	3.1749	2.2557	-0.0009	5.4297	0.0825	0.0469	0.0114	0.1408
542	10.7	11	3.1752	2.2559	-0.0011	5.43	0.0855	0.0491	0.0131	0.1477
543	11.5	11.1	3.1748	2.256	-0.0012	5.4296	0.0889	0.0561	0.0132	0.1581
544	11.3	11.1	3.1749	2.2559	-0.0015	5.4293	0.1004	0.0618	0.012	0.1742
545	11.3	11.1	3.1751	2.2558	-0.0017	5.4292	0.1103	0.072	0.0114	0.1937
546	11.1	11.1	3.1751	2.2556	-0.0016	5.4291	0.1109	0.0837	0.0055	0.2001

547	11.2	11.1	3.1763	2.2552	-0.0014	5.4301	0.1069	0.085	-0.0046	0.1873
548	11	11.1	3.1769	2.2558	-0.0016	5.4312	0.1007	0.0814	-0.0094	0.1727
549	11	11.1	3.1763	2.2559	-0.0018	5.4303	0.0913	0.0805	-0.0109	0.1609
550	11	11.1	3.1762	2.2558	-0.0018	5.4302	0.0712	0.0799	-0.008	0.1431
551	11.1	11.1	3.1767	2.2561	-0.0017	5.4312	0.0739	0.0816	-0.0041	0.1514
552	11.2	11.1	3.1776	2.2557	-0.0016	5.4316	0.08	0.0817	-0.005	0.1567
553	10.5	11.1	3.1791	2.2553	-0.0014	5.433	0.0643	0.082	-0.0053	0.141
554	10.9	11.1	3.1801	2.255	-0.0016	5.4336	0.0392	0.0769	-0.0076	0.1085
555	11.5	11.1	3.1793	2.2555	-0.0019	5.4329	0.0247	0.0729	-0.009	0.0886
556	11.6	11.1	3.178	2.2554	-0.002	5.4314	0.0094	0.0717	-0.0087	0.0723
557	11.7	11	3.1772	2.255	-0.0022	5.43	-0.0041	0.0694	-0.0121	0.0533
558	10.9	11	3.1769	2.2543	-0.0024	5.4288	-0.0117	0.0655	-0.0128	0.041
559	10.9	11	3.1765	2.2539	-0.0023	5.428	-0.0014	0.0617	-0.0078	0.0525
560	10.9	11	3.1763	2.2534	-0.0021	5.4275	0.014	0.061	-0.0019	0.0731
561	10.8	11	3.1785	2.2533	-0.0018	5.43	0.0239	0.0624	0.0055	0.0917
562	11.1	11	3.1842	2.2533	-0.0015	5.436	0.0262	0.0704	0.007	0.1036
563	11.1	11	3.1887	2.2523	-0.0015	5.4395	0.0511	0.0783	0.0048	0.1342
564	11	10.9	3.1917	2.2518	-0.0016	5.4419	0.0738	0.0852	0.0027	0.1617
565	10.8	10.9	3.1924	2.2524	-0.0012	5.4436	0.069	0.0985	0.0028	0.1703
566	10.6	10.8	3.1921	2.2531	-0.0009	5.4443	0.0366	0.1027	0.0021	0.1415
567	10.7	10.8	3.1923	2.2529	-0.0008	5.4444	-0.0081	0.1069	0.0001	0.0989
568	10.7	10.7	3.1932	2.2536	-0.0008	5.4459	-0.0386	0.1139	0.0001	0.0755
569	10.9	10.7	3.193	2.254	-0.0009	5.4462	-0.0511	0.1191	-0.0003	0.0677
570	10.7	10.7	3.1936	2.2543	-0.001	5.4469	-0.0279	0.1156	-0.0041	0.0836
571	10.7	10.6	3.1937	2.254	-0.001	5.4467	0.0016	0.1074	-0.005	0.104
572	10.7	10.6	3.1933	2.254	-0.0009	5.4464	0.0187	0.1044	-0.0069	0.1163
573	10.6	10.5	3.1938	2.2542	-0.0006	5.4474	0.0492	0.1041	-0.001	0.1522
574	10.6	10.5	3.1942	2.2547	-0.0004	5.4484	0.0501	0.113	0.0012	0.1642
575	10.4	10.4	3.1935	2.255	-0.0004	5.448	0.0379	0.1196	0.0013	0.1588
576	10.1	10.4	3.194	2.2554	-0.0005	5.4489	0.001	0.1218	-0.0006	0.1222
577	10.7	10.4	3.1943	2.2548	-0.0006	5.4485	-0.0342	0.1235	0.0001	0.0894
578	10.6	10.3	3.1935	2.2547	-0.0006	5.4476	-0.0446	0.1292	0.0009	0.0855
579	10.1	10.3	3.1933	2.255	-0.0005	5.4478	-0.0563	0.1317	0.0009	0.0763
580	9.89	10.3	3.1941	2.2548	-0.0005	5.4485	-0.0605	0.1258	0	0.0654
581	9.62	10.3	3.1947	2.2546	-0.0006	5.4487	-0.0649	0.1223	0.0024	0.0598
582	9.9	10.3	3.1932	2.2546	-0.0007	5.4471	-0.0893	0.1238	0.0048	0.0393
583	10.2	10.3	3.1908	2.2547	-0.0007	5.4448	-0.0946	0.126	0.0126	0.044

584	9.82	10.3	3.1884	2.2549	-0.0008	5.4424	-0.0751	0.129	0.0169	0.0708
585	10.2	10.4	3.185	2.2546	-0.0009	5.4388	-0.0628	0.1287	0.015	0.081
586	10.1	10.4	3.1829	2.2545	-0.0009	5.4365	-0.0536	0.1338	0.0147	0.0949
587	9.68	10.4	3.1807	2.2544	-0.001	5.4341	-0.0438	0.1344	0.0124	0.1031
588	10.3	10.5	3.1785	2.2546	-0.0014	5.4317	-0.0366	0.1302	0.0078	0.1014
589	10.4	10.6	3.1788	2.2541	-0.0019	5.431	-0.04	0.1305	0.009	0.0995
590	10.8	10.6	3.1788	2.2537	-0.0022	5.4303	-0.0527	0.1307	0.0143	0.0923
591	11.3	10.7	3.1786	2.2528	-0.0024	5.429	-0.0672	0.1352	0.018	0.086
592	11	10.8	3.1787	2.2522	-0.0023	5.4286	-0.069	0.1372	0.0206	0.0888
593	11.1	10.8	3.1792	2.2517	-0.0024	5.4285	-0.0578	0.1413	0.0176	0.1011
594	11	10.9	3.1795	2.2512	-0.0025	5.4282	-0.0718	0.1438	0.0142	0.0862
595	11.1	11	3.1803	2.2502	-0.0019	5.4286	-0.1229	0.152	0.0099	0.039
596	11.4	11	3.181	2.2499	-0.0009	5.43	-0.1355	0.16	0.0046	0.0291
597	11.6	11.1	3.1813	2.2502	-0.0004	5.4311	-0.1495	0.1605	-0.0004	0.0107
598	11.3	11.2	3.1818	2.2501	-0.0003	5.4316	-0.1464	0.1605	-0.0034	0.0108
599	10.5	11.2	3.1841	2.2494	-0.0005	5.433	-0.149	0.1655	-0.0074	0.0091
600	11.5	11.2	3.1852	2.2494	-0.0008	5.4338	-0.1637	0.1666	-0.0089	-0.006
601	11.1	11.2	3.1859	2.2498	-0.0007	5.435	-0.1668	0.1605	-0.01	-0.0163
602	11.3	11.2	3.1867	2.2501	-0.0007	5.436	-0.1695	0.1557	-0.0094	-0.0232
603	11.5	11.2	3.1885	2.2502	-0.0007	5.438	-0.1661	0.1469	-0.0053	-0.0245
604	11.6	11.2	3.189	2.2503	-0.0009	5.4384	-0.1501	0.1424	-0.0032	-0.0109
605	11.1	11.1	3.189	2.2503	-0.0012	5.4382	-0.147	0.1402	-0.0039	-0.0107
606	11.4	11.1	3.1896	2.2502	-0.0012	5.4386	-0.1549	0.1509	-0.009	-0.013
607	11.3	11.1	3.1904	2.2503	-0.0012	5.4396	-0.1474	0.1483	-0.013	-0.0121
608	10.5	11.1	3.1911	2.2507	-0.0012	5.4406	-0.1471	0.1375	-0.0134	-0.023
609	11.1	11.1	3.1928	2.2508	-0.0013	5.4423	-0.1421	0.1294	-0.0148	-0.0274
610	10.6	11.1	3.1934	2.2504	-0.0015	5.4423	-0.1461	0.1229	-0.012	-0.0352
611	11	11.2	3.1936	2.25	-0.0015	5.4421	-0.1392	0.1156	-0.0063	-0.0299
612	11.2	11.2	3.1932	2.2495	-0.0015	5.4412	-0.1007	0.111	-0.0034	0.0069
613	10.9	11.2	3.1929	2.2493	-0.0013	5.4408	-0.0248	0.1092	0	0.0843
614	10.8	11.2	3.1933	2.2485	-0.001	5.4408	0.0311	0.1016	0.0027	0.1353
615	10.9	11.2	3.1945	2.248	-0.0008	5.4417	0.0631	0.0959	0.0014	0.1605
616	11.1	11.2	3.196	2.2477	-0.0007	5.4431	0.0833	0.1029	0.0071	0.1933
617	11.3	11.2	3.1972	2.2476	-0.0008	5.4441	0.0997	0.108	0.0127	0.2204
618	11.4	11.2	3.1969	2.2477	-0.0007	5.4439	0.1167	0.1095	0.015	0.2413
619	11.1	11.2	3.1935	2.2479	-0.0005	5.4409	0.1245	0.1234	0.018	0.2659
620	12.3	11.3	3.1908	2.248	-0.0004	5.4384	0.1229	0.1349	0.0175	0.2753

621	11.7	11.3	3.1906	2.2476	-0.0003	5.4379	0.1255	0.1417	0.0148	0.282
622	11.5	11.3	3.1902	2.2479	-0.0007	5.4374	0.1156	0.1435	0.0112	0.2703
623	11.3	11.3	3.1901	2.2478	-0.0007	5.4372	0.0948	0.144	0.0125	0.2513
624	11.3	11.3	3.1906	2.2475	-0.0007	5.4374	0.0843	0.1468	0.0174	0.2485
625	11	11.4	3.1923	2.2474	-0.0006	5.4391	0.0807	0.1488	0.0204	0.2498
626	11.4	11.4	3.1938	2.2472	-0.0007	5.4402	0.0812	0.1536	0.0233	0.258
627	11.5	11.4	3.1943	2.2467	-0.0008	5.4402	0.0775	0.1701	0.0248	0.2723
628	11.3	11.4	3.1947	2.2463	-0.0009	5.4402	0.0871	0.17	0.0259	0.2829
629	11.4	11.4	3.194	2.2466	-0.001	5.4395	0.0858	0.1792	0.0241	0.2891
630	11	11.3	3.1922	2.2466	-0.0012	5.4376	0.0855	0.1863	0.0254	0.2972
631	11.8	11.3	3.1922	2.2463	-0.0016	5.4369	0.1021	0.1903	0.0298	0.3222
632	11.1	11.2	3.1903	2.2457	-0.0023	5.4338	0.1123	0.1948	0.0278	0.3348
633	11.1	11.2	3.1862	2.2448	-0.0028	5.4282	0.0637	0.2033	0.024	0.291
634	11.2	11.2	3.1844	2.2447	-0.0026	5.4265	0.0202	0.2094	0.0216	0.2512
635	11.4	11.2	3.1829	2.244	-0.0025	5.4243	-0.0233	0.2129	0.0187	0.2083
636	11.4	11.2	3.1817	2.2436	-0.0022	5.4231	-0.0746	0.2101	0.0146	0.1501
637	11	11.2	3.1803	2.2439	-0.002	5.4222	-0.1224	0.2149	0.0116	0.1041
638	11.6	11.2	3.1797	2.2442	-0.0023	5.4216	-0.1524	0.221	0.0109	0.0795
639	11.5	11.1	3.1807	2.2439	-0.0027	5.4219	-0.1704	0.2267	0.0034	0.0596
640	10.8	11.1	3.1818	2.2426	-0.0029	5.4215	-0.1679	0.2277	-0.0061	0.0537
641	10.4	11.1	3.1818	2.2419	-0.0029	5.4208	-0.1646	0.2227	-0.0093	0.0488
642	11	11	3.1809	2.2418	-0.0028	5.4199	-0.1482	0.2023	-0.0094	0.0446
643	11.3	11	3.182	2.2416	-0.0026	5.421	-0.1202	0.1895	-0.0068	0.0626
644	11.2	11	3.1872	2.2407	-0.0025	5.4254	-0.1	0.1773	-0.0077	0.0696
645	11	11	3.1886	2.2398	-0.0021	5.4263	-0.0932	0.1701	-0.0076	0.0692
646	11.6	11	3.1901	2.2395	-0.0015	5.428	-0.0887	0.1598	-0.0005	0.0705
647	10.7	10.9	3.1909	2.2391	-0.0011	5.429	-0.0882	0.1631	0.0084	0.0833
648	10.5	10.9	3.1918	2.2392	-0.0008	5.4303	-0.0872	0.1676	0.0117	0.0921
649	10.8	10.8	3.1926	2.2393	-0.001	5.4309	-0.0818	0.1644	0.0129	0.0955
650	10.8	10.8	3.1929	2.2397	-0.0008	5.4318	-0.0544	0.1587	0.0093	0.1135
651	10.7	10.8	3.1937	2.2406	-0.0008	5.4335	-0.0403	0.164	0.0042	0.1279
652	11.2	10.8	3.1942	2.241	-0.0011	5.4341	-0.0216	0.1656	0.004	0.148
653	11	10.7	3.1941	2.241	-0.001	5.4341	-0.0129	0.166	0.0042	0.1573
654	10.7	10.7	3.1948	2.241	-0.0012	5.4346	0.0091	0.1564	0.0059	0.1713
655	10.6	10.7	3.1948	2.2404	-0.001	5.4342	0.0162	0.1545	0.0055	0.1762
656	10.8	10.6	3.1927	2.2405	-0.0007	5.4326	0.017	0.145	0.0047	0.1666
657	10.3	10.6	3.1919	2.2412	-0.0008	5.4323	0.0205	0.1381	0.002	0.1607

658	10.3	10.6	3.1911	2.2414	-0.0009	5.4315	0.0272	0.1348	0.0004	0.1624
659	10.2	10.6	3.1911	2.2416	-0.0011	5.4315	0.0301	0.1341	0.0006	0.1648
660	10.1	10.6	3.1902	2.2418	-0.0015	5.4305	0.0359	0.1301	0.0001	0.166
661	10.7	10.6	3.1885	2.2422	-0.0014	5.4293	0.0232	0.1175	0.0029	0.1437
662	10.8	10.5	3.1867	2.2424	-0.0015	5.4276	0.018	0.1134	0.0049	0.1363
663	10.7	10.5	3.1856	2.2421	-0.0017	5.426	0.0041	0.111	0.0062	0.1213
664	10.8	10.5	3.1853	2.2422	-0.0017	5.4259	0.0016	0.116	0.0045	0.1221
665	10.4	10.5	3.184	2.2421	-0.0019	5.4243	0.017	0.1094	0.0042	0.1306
666	10.7	10.5	3.1821	2.2423	-0.0022	5.4222	0.0416	0.1055	0.0036	0.1508
667	10.4	10.6	3.1806	2.242	-0.0023	5.4203	0.0567	0.1028	0.004	0.1635
668	10.6	10.6	3.1807	2.2412	-0.0026	5.4193	0.0424	0.1022	0.0047	0.1493
669	10.4	10.6	3.1807	2.2405	-0.0026	5.4187	0.0143	0.1048	0.0067	0.1259
670	10.2	10.7	3.1811	2.2401	-0.0025	5.4187	-0.0209	0.1033	0.0088	0.0912
671	10.7	10.7	3.1822	2.2397	-0.0021	5.4197	-0.0417	0.1043	0.0111	0.0737
672	10.8	10.7	3.1838	2.2396	-0.0021	5.4212	-0.0283	0.1011	0.0162	0.0889
673	10.7	10.7	3.1854	2.2396	-0.0024	5.4226	-0.0167	0.1085	0.0148	0.1066
674	10.7	10.7	3.1861	2.2398	-0.0025	5.4234	-0.0224	0.1152	0.0148	0.1076
675	10.7	10.8	3.1854	2.2396	-0.0027	5.4222	-0.0195	0.1106	0.0145	0.1056
676	10.7	10.8	3.1863	2.2383	-0.003	5.4216	-0.0087	0.1179	0.016	0.1252
677	10.8	10.8	3.1856	2.2378	-0.0032	5.4202	0.0089	0.1201	0.0161	0.1451
678	11.2	10.9	3.1849	2.2368	-0.003	5.4187	0.0066	0.121	0.013	0.1406
679	11.2	10.9	3.1847	2.2364	-0.003	5.4181	-0.0031	0.1202	0.0083	0.1255
680	10.6	11	3.1839	2.2358	-0.0035	5.4162	-0.0215	0.1281	0.0043	0.1108
681	10.8	11	3.1835	2.2351	-0.0033	5.4152	-0.0451	0.13	0.0005	0.0853
682	10.9	11	3.1868	2.2343	-0.0031	5.418	-0.0645	0.1264	-0.005	0.0569
683	11.5	11	3.1888	2.2338	-0.0029	5.4197	-0.0918	0.118	-0.0142	0.0119
684	11.4	11	3.1907	2.2336	-0.0027	5.4216	-0.1237	0.1054	-0.0199	-0.0381
685	11.1	11	3.1925	2.2336	-0.0024	5.4238	-0.1316	0.1012	-0.018	-0.0485
686	11	11	3.1951	2.233	-0.0021	5.4261	-0.1144	0.0884	-0.0192	-0.0452
687	11.2	10.9	3.1959	2.2323	-0.0021	5.4262	-0.1257	0.0795	-0.0136	-0.0598
688	11.5	10.8	3.1955	2.2319	-0.0017	5.4257	-0.1383	0.082	-0.0075	-0.0638
689	11.2	10.8	3.1956	2.2313	-0.0013	5.4256	-0.1353	0.0854	-0.0067	-0.0565
690	11.5	10.7	3.1953	2.2315	-0.0013	5.4255	-0.1098	0.0851	-0.0093	-0.0341
691	10.9	10.7	3.1934	2.2326	-0.0014	5.4245	-0.0875	0.0766	-0.0109	-0.0218
692	10.4	10.6	3.1908	2.2332	-0.0016	5.4224	-0.0866	0.0735	-0.0108	-0.0239
693	10.4	10.5	3.1892	2.234	-0.0017	5.4215	-0.0963	0.0767	-0.0095	-0.0291
694	10.2	10.4	3.1888	2.2342	-0.0017	5.4212	-0.1198	0.0823	-0.0072	-0.0446

695	10.2	10.3	3.1892	2.2342	-0.0019	5.4215	-0.0891	0.0849	-0.0076	-0.0118
696	10.1	10.2	3.1898	2.2336	-0.0017	5.4216	-0.1115	0.076	-0.0054	-0.0409
697	9.59	10.1	3.1901	2.2335	-0.0016	5.4219	-0.1015	0.0731	-0.0033	-0.0317
698	9.8	10	3.1899	2.2337	-0.0016	5.422	-0.1012	0.0697	-0.0018	-0.0334
699	9.97	9.91	3.1896	2.2335	-0.0014	5.4217	-0.0851	0.0654	-0.0013	-0.021
700	9.97	9.79	3.1892	2.233	-0.0012	5.421	-0.0683	0.0644	-0.0038	-0.0077
701	8.96	9.71	3.1881	2.2332	-0.0011	5.4202	-0.0574	0.0642	-0.0036	0.0032
702	9.82	9.68	3.188	2.2335	-0.0011	5.4203	-0.0379	0.0677	-0.0042	0.0256
703	9.24	9.64	3.1876	2.2346	-0.0013	5.4208	-0.0194	0.0681	-0.0059	0.0428
704	9.55	9.6	3.1873	2.2349	-0.0015	5.4207	-0.0228	0.0662	-0.0031	0.0403
705	9.4	9.55	3.1873	2.2358	-0.0016	5.4215	-0.0169	0.0646	-0.0045	0.0432
706	9.07	9.52	3.1876	2.2364	-0.0014	5.4226	-0.0039	0.0572	-0.003	0.0504
707	9.4	9.52	3.1877	2.2369	-0.0012	5.4233	-0.0179	0.0575	0.0008	0.0405
708	9.59	9.51	3.1881	2.2373	-0.0013	5.4241	-0.0243	0.0671	0.0018	0.0446
709	9.27	9.51	3.1893	2.2378	-0.0013	5.4257	-0.0454	0.073	-0.0012	0.0264
710	9.29	9.49	3.1911	2.2386	-0.0018	5.4279	-0.0631	0.0788	-0.0035	0.0122
711	9.91	9.54	3.1918	2.2387	-0.002	5.4285	-0.0754	0.0856	-0.0081	0.0021
712	9.7	9.55	3.1928	2.2384	-0.0021	5.4291	-0.0844	0.0876	-0.0088	-0.0056
713	9.41	9.61	3.1927	2.2377	-0.0018	5.4286	-0.0887	0.0817	-0.0068	-0.0138
714	9.29	9.65	3.1916	2.2376	-0.0014	5.4278	-0.1092	0.0808	-0.0048	-0.0332
715	9.55	9.69	3.1903	2.2375	-0.0012	5.4266	-0.1301	0.0843	-0.0078	-0.0536
716	9.59	9.77	3.1904	2.2375	-0.0011	5.4267	-0.1537	0.0847	-0.013	-0.082
717	9.77	9.86	3.193	2.2374	-0.0012	5.4292	-0.1756	0.0861	-0.0144	-0.104
718	9.99	9.91	3.1955	2.2373	-0.0014	5.4313	-0.1736	0.0803	-0.015	-0.1084
719	9.59	9.98	3.1956	2.2375	-0.0013	5.4318	-0.1394	0.0636	-0.018	-0.0937
720	9.89	10.1	3.195	2.2376	-0.0015	5.4311	-0.1152	0.0495	-0.0169	-0.0825
721	9.95	10.1	3.1934	2.2375	-0.0019	5.429	-0.0818	0.0471	-0.0138	-0.0486
722	10.4	10.2	3.1918	2.2371	-0.0022	5.4267	-0.0684	0.0416	-0.0102	-0.037
723	10.4	10.2	3.1923	2.2363	-0.0022	5.4264	-0.0397	0.0411	-0.0108	-0.0093
724	10.1	10.3	3.1926	2.2364	-0.0022	5.4268	-0.0099	0.0422	-0.0148	0.0176
725	10.6	10.4	3.1931	2.2356	-0.0022	5.4265	0.0044	0.043	-0.0191	0.0283
726	11.1	10.5	3.1929	2.2352	-0.0024	5.4257	-0.0009	0.0388	-0.0238	0.0141
727	10.5	10.5	3.1936	2.2346	-0.0021	5.4261	0.0008	0.024	-0.026	-0.0012
728	10.7	10.6	3.195	2.2343	-0.0017	5.4276	-0.0054	0.0182	-0.0286	-0.0157
729	10.8	10.6	3.1961	2.2337	-0.0014	5.4285	-0.023	0.0071	-0.0261	-0.042
730	10.9	10.7	3.1967	2.2336	-0.0013	5.429	-0.038	0.0007	-0.0264	-0.0638
731	10.8	10.8	3.1986	2.2337	-0.0011	5.4312	-0.055	-0.0021	-0.031	-0.0881

732	10.7	10.8	3.1995	2.2339	-0.0008	5.4326	-0.0645	-0.0101	-0.0333	-0.1079
733	10.8	10.9	3.1986	2.2343	-0.0008	5.432	-0.0335	-0.0178	-0.0297	-0.081
734	11.3	10.9	3.1975	2.2346	-0.0008	5.4313	-0.0173	-0.0201	-0.0266	-0.064
735	11.1	10.9	3.1943	2.2351	-0.0006	5.4288	-0.0169	-0.0191	-0.0254	-0.0614
736	10.5	10.9	3.1943	2.2356	-0.0009	5.4291	-0.0081	-0.0153	-0.0231	-0.0464
737	10.8	11	3.1942	2.2357	-0.0013	5.4286	0.0287	-0.0204	-0.02	-0.0117
738	10.9	11	3.1933	2.2356	-0.0016	5.4273	0.0451	-0.0289	-0.0198	-0.0036
739	11.3	11	3.1917	2.2354	-0.0017	5.4253	0.0461	-0.033	-0.0164	-0.0033
740	11.5	11	3.1906	2.235	-0.0018	5.4237	0.0578	-0.0389	-0.0105	0.0085
741	11.2	11.1	3.1905	2.2346	-0.0018	5.4232	0.0525	-0.0392	-0.0092	0.0042
742	10.9	11.1	3.1906	2.2341	-0.0019	5.4228	0.0301	-0.0292	-0.0103	-0.0094
743	11.2	11.2	3.194	2.2334	-0.0019	5.4255	0.0307	-0.0184	-0.0083	0.004
744	11	11.2	3.1961	2.2322	-0.0017	5.4266	0.024	-0.008	-0.0098	0.0062
745	11	11.2	3.1998	2.2322	-0.0016	5.4304	0.0105	-0.0056	-0.011	-0.006
746	11.4	11.2	3.2002	2.2322	-0.0012	5.4312	-0.0063	-0.0012	-0.0117	-0.0192
747	10.9	11.2	3.201	2.2322	-0.0009	5.4323	-0.0165	-0.0054	-0.0096	-0.0315
748	11.2	11.2	3.2003	2.2327	-0.0007	5.4324	-0.0183	-0.0063	-0.009	-0.0337
749	11.2	11.2	3.1995	2.2328	-0.0006	5.4317	-0.0264	-0.0025	-0.009	-0.0379
750	11.7	11.2	3.1986	2.2333	-0.0004	5.4315	-0.0324	-0.0046	-0.0099	-0.047
751	11.7	11.2	3.1975	2.2338	-0.0003	5.4309	-0.0348	-0.0114	-0.0106	-0.0568
752	11.7	11.2	3.1961	2.2342	-0.0005	5.4298	-0.0427	-0.0116	-0.0108	-0.0652
753	11.4	11.2	3.1964	2.2344	-0.0007	5.4301	-0.0407	-0.0103	-0.0094	-0.0605
754	11.1	11.2	3.1965	2.2345	-0.0007	5.4303	-0.0457	0.002	-0.0123	-0.056
755	10.8	11.2	3.1952	2.2347	-0.0007	5.4292	-0.0617	0.0051	-0.0157	-0.0723
756	10.6	11.1	3.1945	2.2348	-0.0008	5.4285	-0.0641	0.0153	-0.015	-0.0638
757	11	11.1	3.1943	2.2345	-0.001	5.4278	-0.0698	0.0234	-0.0115	-0.0579
758	11.5	11.1	3.1956	2.2341	-0.0008	5.4289	-0.078	0.0316	-0.0071	-0.0535
759	10.9	11.1	3.1974	2.2337	-0.0008	5.4303	-0.0733	0.0439	-0.005	-0.0345
760	10.7	11	3.1978	2.2333	-0.0007	5.4303	-0.058	0.0549	-0.006	-0.009
761	11.1	11	3.197	2.2334	-0.0006	5.4299	-0.0384	0.0627	-0.0127	0.0116
762	11.3	11	3.1956	2.2342	-0.0008	5.429	-0.0297	0.0627	-0.0153	0.0178
763	11.2	11	3.1965	2.234	-0.0013	5.4293	-0.0228	0.0623	-0.013	0.0265
764	10.8	11	3.1984	2.2338	-0.0009	5.4312	-0.029	0.0593	-0.0112	0.019
765	10.6	11	3.1994	2.2337	-0.0006	5.4325	-0.0433	0.0625	-0.0085	0.0107
766	10.8	11	3.1997	2.2337	-0.0007	5.4326	-0.0486	0.0657	-0.0077	0.0094
767	11	11	3.198	2.234	-0.0008	5.4311	-0.0448	0.0639	-0.0083	0.0108
768	11.2	11	3.1946	2.2349	-0.0008	5.4287	-0.0431	0.066	-0.0121	0.0108

769	10.5	11	3.1923	2.2356	-0.0009	5.4269	-0.0263	0.0675	-0.013	0.0282
770	10.8	11.1	3.1893	2.2354	-0.0011	5.4236	-0.0268	0.0687	-0.0127	0.0293
771	11.1	11.1	3.189	2.2355	-0.0011	5.4234	-0.0316	0.0642	-0.0151	0.0175
772	11.3	11.1	3.1878	2.2354	-0.0011	5.4222	-0.0512	0.0625	-0.0188	-0.0074
773	11.2	11.1	3.1864	2.2353	-0.0009	5.4208	-0.0709	0.0564	-0.0208	-0.0353
774	11.3	11.1	3.1857	2.2355	-0.0006	5.4206	-0.0701	0.0475	-0.021	-0.0436
775	11	11.2	3.1855	2.2357	-0.0003	5.4208	-0.0617	0.0462	-0.0188	-0.0343
776	10.9	11.2	3.1862	2.2359	-0.0004	5.4218	-0.0471	0.0415	-0.0191	-0.0248
777	11.6	11.2	3.1861	2.236	-0.0003	5.4218	-0.0526	0.0366	-0.0196	-0.0356
778	10.9	11.2	3.1872	2.2361	-0.0004	5.4229	-0.0379	0.0314	-0.018	-0.0246
779	11.9	11.3	3.1885	2.2363	-0.0004	5.4244	-0.0192	0.0283	-0.0161	-0.007
780	11.7	11.4	3.1894	2.236	-0.0004	5.425	-0.0006	0.0259	-0.0145	0.0109
781	11.2	11.4	3.1899	2.2361	0	5.426	0.0182	0.0225	-0.0114	0.0292
782	11.2	11.4	3.1902	2.236	-0.0001	5.4261	0.0406	0.0236	-0.011	0.0532
783	11.5	11.4	3.1906	2.2358	-0.0002	5.4261	0.0456	0.0249	-0.0086	0.0619
784	11.3	11.4	3.1924	2.2355	-0.0002	5.4277	0.03	0.029	-0.0061	0.0529
785	11.1	11.4	3.1933	2.2352	-0.0001	5.4284	0.01	0.0359	-0.0045	0.0413
786	11.3	11.4	3.1922	2.235	-0.0001	5.4272	-0.0167	0.0443	-0.0021	0.0255
787	11.6	11.4	3.1914	2.2352	-0.0001	5.4265	-0.0053	0.0514	-0.0045	0.0416
788	11.8	11.5	3.1909	2.2352	-0.0001	5.4261	0.0038	0.0544	-0.0096	0.0486
789	11.8	11.5	3.1898	2.2352	-0.0003	5.4248	0.0049	0.0549	-0.0157	0.0441
790	11.4	11.5	3.1901	2.2354	-0.0004	5.425	0.0092	0.0517	-0.0174	0.0435
791	11.3	11.5	3.1904	2.2355	-0.0004	5.4255	0.0093	0.0477	-0.0195	0.0375
792	12.2	11.5	3.1877	2.2351	-0.0008	5.422	0.022	0.042	-0.0202	0.0438
793	11.1	11.5	3.1868	2.2348	-0.0007	5.4209	0.028	0.0376	-0.0173	0.0483
794	10.8	11.5	3.1877	2.2347	-0.0006	5.4218	0.058	0.0301	-0.0165	0.0717
795	11.4	11.6	3.1898	2.2344	-0.0007	5.4234	0.0777	0.0168	-0.0167	0.0778
796	11.6	11.6	3.1914	2.2341	-0.0008	5.4248	0.111	0.0183	-0.0161	0.1132
797	11.6	11.6	3.1919	2.2341	-0.0007	5.4253	0.1033	0.0174	-0.012	0.1088
798	11.7	11.6	3.1926	2.2339	-0.0007	5.4258	0.0985	0.018	-0.0082	0.1084
799	11.9	11.6	3.1928	2.234	-0.0004	5.4264	0.0837	0.0236	-0.0065	0.1008
800	11.6	11.6	3.1927	2.2342	-0.0002	5.4267	0.0744	0.0218	-0.0073	0.089
801	11.5	11.7	3.1924	2.2344	0	5.4267	0.0733	0.0259	-0.0071	0.0921
802	11.6	11.6	3.192	2.2345	-0.0002	5.4263	0.0764	0.0328	-0.0035	0.1057
803	11.8	11.7	3.1921	2.2344	-0.0001	5.4264	0.0714	0.0382	-0.0022	0.1075
804	11.6	11.8	3.1935	2.2344	0.0001	5.428	0.0647	0.0413	-0.0056	0.1004
805	12	11.8	3.1937	2.2343	-0.0001	5.4279	0.0624	0.044	-0.0073	0.0991

806	11.8	11.9	3.1946	2.234	-0.0003	5.4284	0.0397	0.0428	-0.006	0.0765
807	12.1	11.9	3.1955	2.2337	-0.0005	5.4287	0.0252	0.0419	-0.0053	0.0618
808	11.7	11.9	3.1954	2.2329	-0.0008	5.4276	0.018	0.0395	-0.0085	0.049
809	11.8	11.9	3.195	2.2323	-0.0007	5.4267	0.0114	0.0381	-0.0064	0.0431
810	11.7	11.9	3.1949	2.2324	-0.0005	5.4268	0.0215	0.0369	-0.0072	0.0512
811	12	12	3.1947	2.2324	-0.0005	5.4267	0.0319	0.0325	-0.0068	0.0576
812	12.3	12	3.1951	2.2322	-0.0008	5.4264	0.0317	0.0352	-0.0065	0.0605
813	12.4	12	3.1956	2.2318	-0.0006	5.4267	0.0207	0.0428	-0.0099	0.0537
814	12	12	3.196	2.2313	-0.0006	5.4267	0.0269	0.0445	-0.0134	0.0579
815	12.6	12	3.1952	2.2309	-0.0004	5.4257	0.0366	0.042	-0.0084	0.0702
816	11.7	12	3.1948	2.2311	-0.0003	5.4256	0.0382	0.0412	-0.004	0.0754
817	12.4	12	3.1973	2.2308	0	5.4281	0.0387	0.0452	-0.0027	0.0812
818	11.9	12	3.1981	2.2305	-0.0001	5.4285	0.0279	0.0527	-0.0024	0.0783
819	12	12	3.1983	2.2307	-0.0001	5.4289	-0.0031	0.0646	-0.003	0.0585
820	11.9	11.9	3.1982	2.2311	0	5.4293	-0.0228	0.0735	-0.0035	0.0471
821	12.2	11.9	3.1986	2.2312	0	5.4298	-0.0291	0.0721	-0.0056	0.0374
822	12	11.9	3.1989	2.2314	-0.0001	5.4303	-0.006	0.0716	-0.006	0.0595
823	12	11.8	3.1993	2.2316	-0.0001	5.4308	0.0006	0.068	-0.0065	0.0622
824	11.7	11.8	3.1987	2.2318	-0.0003	5.4302	-0.0006	0.0673	-0.0048	0.0619
825	11.3	11.8	3.1978	2.2315	-0.0003	5.429	0.0023	0.0699	-0.0006	0.0716
826	12.2	11.7	3.1982	2.2315	-0.0004	5.4293	0.0118	0.0721	0.0027	0.0866
827	11.4	11.7	3.1974	2.2315	-0.0003	5.4286	0.0267	0.0722	0.0039	0.1029
828	11.8	11.7	3.1969	2.2315	-0.0001	5.4283	0.0312	0.0722	0.0016	0.1049
829	11.2	11.6	3.1962	2.2312	0	5.4274	0.0322	0.0728	-0.0001	0.1049
830	11.5	11.6	3.1949	2.2314	-0.0001	5.4261	0.025	0.0723	-0.0017	0.0955
831	11.7	11.6	3.1945	2.2313	0	5.4259	0.0238	0.0705	-0.0019	0.0924
832	11.3	11.6	3.1949	2.2314	0	5.4264	0.0284	0.0725	0.0023	0.1033
833	11.8	11.6	3.1956	2.2314	-0.0002	5.4267	0.0295	0.073	0.0008	0.1033
834	11.7	11.6	3.1966	2.231	-0.0004	5.4272	0.0297	0.0729	0.0007	0.1033
835	11.3	11.6	3.196	2.2307	-0.0004	5.4263	0.042	0.0735	0.0006	0.1161
836	11.5	11.5	3.1948	2.2305	-0.0004	5.4249	0.0616	0.0714	0.0024	0.1354
837	11.1	11.6	3.1938	2.2303	-0.0003	5.4237	0.0759	0.0675	0.0024	0.1458
838	11.8	11.6	3.1928	2.2301	-0.0001	5.4228	0.0654	0.0753	0.002	0.1427
839	12.1	11.6	3.1908	2.2302	0	5.4209	0.0408	0.083	0.0019	0.1256
840	12.1	11.7	3.1896	2.2302	0.0001	5.4199	0.0232	0.087	-0.0004	0.1098
841	11.6	11.7	3.1883	2.2304	0.0002	5.4188	0.0149	0.0904	-0.0006	0.1047
842	11.5	11.7	3.1878	2.2304	-0.0001	5.418	0.0185	0.0942	0.0012	0.1139

843	11	11.7	3.1882	2.2304	-0.0003	5.4183	-0.0006	0.0873	0.0001	0.0868
844	11.2	11.7	3.1883	2.2305	-0.0001	5.4188	-0.009	0.0863	0.0033	0.0806
845	11.7	11.7	3.1887	2.2304	0	5.419	-0.0048	0.0895	0.0066	0.0913
846	12.3	11.7	3.1899	2.2305	0	5.4203	0.0134	0.0895	0.006	0.1089
847	12	11.7	3.1912	2.2304	-0.0001	5.4215	0.0413	0.0951	0.007	0.1434
848	12	11.7	3.192	2.2303	0	5.4223	0.0578	0.0996	0.0089	0.1663
849	11.9	11.7	3.192	2.2306	0.0002	5.4228	0.0786	0.1012	0.009	0.1888
850	11.9	11.7	3.1913	2.2307	0.0003	5.4223	0.0906	0.1064	0.0126	0.2096
851	11.7	11.7	3.1898	2.2305	0	5.4203	0.1011	0.1172	0.0151	0.2334
852	11.9	11.7	3.189	2.2304	-0.0003	5.4191	0.0974	0.1212	0.0134	0.2319
853	11.5	11.7	3.1899	2.2303	-0.0002	5.42	0.0752	0.1219	0.0102	0.2073
854	11.5	11.8	3.1903	2.2301	0	5.4204	0.0358	0.1234	0.0114	0.1706
855	11.4	11.8	3.1912	2.2304	-0.0001	5.4215	0.0175	0.1254	0.0143	0.1572
856	11.4	11.8	3.192	2.2306	-0.0003	5.4224	-0.0023	0.1279	0.0123	0.1379
857	11.9	11.7	3.1925	2.2305	-0.0001	5.4229	0.0021	0.1294	0.0111	0.1427
858	11.9	11.7	3.1945	2.2303	-0.0002	5.4246	0.0174	0.1249	0.0101	0.1524
859	11.6	11.7	3.1952	2.23	-0.0001	5.4252	0.0498	0.1172	0.01	0.1769
860	12	11.7	3.1946	2.23	0	5.4246	0.0634	0.1101	0.0101	0.1836
861	12	11.7	3.1938	2.2299	0.0001	5.4238	0.071	0.1127	0.0156	0.1992
862	11.6	11.7	3.1935	2.2299	0.0002	5.4236	0.0765	0.1164	0.0185	0.2115
863	12.2	11.7	3.1938	2.2296	0.0001	5.4235	0.0962	0.1149	0.0177	0.2288
864	11.5	11.7	3.1947	2.2296	-0.0001	5.4242	0.1051	0.1123	0.0175	0.235
865	11.6	11.7	3.1956	2.2295	-0.0002	5.425	0.1088	0.1126	0.0164	0.2378
866	11.7	11.7	3.1958	2.2292	-0.0005	5.4245	0.0788	0.1162	0.0142	0.2093
867	11.5	11.6	3.1952	2.2287	-0.0006	5.4233	0.0363	0.1262	0.0133	0.1759
868	11.3	11.6	3.1949	2.2284	-0.0005	5.4228	0.0275	0.1289	0.0137	0.1701
869	11.5	11.6	3.1945	2.2282	-0.0006	5.4222	0.025	0.127	0.0127	0.1647
870	12.1	11.6	3.1922	2.2282	-0.0005	5.4199	0.0253	0.1235	0.0133	0.1621
871	12.2	11.6	3.1896	2.2283	-0.0005	5.4174	0.0052	0.1255	0.0132	0.1439
872	11.5	11.6	3.1877	2.2286	-0.0004	5.416	0.0027	0.1265	0.0116	0.1408
873	10.9	11.6	3.1864	2.2286	-0.0004	5.4146	0.0134	0.1261	0.007	0.1465
874	11.3	11.6	3.1854	2.2285	-0.0005	5.4134	0.0201	0.1244	0.0077	0.1522
875	11.5	11.6	3.1843	2.2285	-0.0006	5.4122	-0.0047	0.1242	0.0022	0.1217
876	11.4	11.6	3.1835	2.2287	-0.0008	5.4115	-0.0218	0.1164	-0.0005	0.0941
877	11.7	11.5	3.183	2.2288	-0.0005	5.4113	-0.0216	0.113	-0.0008	0.0906
878	11.5	11.6	3.184	2.2288	-0.0004	5.4124	-0.0269	0.11	0.0025	0.0855
879	11.8	11.5	3.186	2.2291	-0.0002	5.4149	-0.0049	0.108	0.0041	0.1072

880	11.9	11.5	3.187	2.229	-0.0002	5.4158	0.0043	0.1016	0.0051	0.111
881	11.4	11.5	3.1871	2.2288	-0.0002	5.4157	-0.0133	0.102	0.0036	0.0922
882	11.5	11.5	3.1872	2.2287	-0.0002	5.4158	-0.0112	0.1038	0.0045	0.0971
883	11.6	11.5	3.1876	2.2285	-0.0003	5.4158	-0.0023	0.1063	0.0068	0.1109
884	11.7	11.5	3.1882	2.2282	-0.0002	5.4161	-0.0193	0.1116	0.007	0.0993
885	11.3	11.5	3.1871	2.228	-0.0003	5.4149	-0.0106	0.1149	0.0024	0.1067
886	11.3	11.6	3.1847	2.2283	-0.0003	5.4127	-0.016	0.1115	0.0008	0.0964
887	11.5	11.6	3.1849	2.2277	-0.0003	5.4123	-0.0197	0.1123	0	0.0925
888	11.5	11.6	3.1869	2.2269	-0.0003	5.4135	-0.0264	0.1073	0.0017	0.0825
889	11.2	11.6	3.1875	2.2265	-0.0002	5.4138	-0.0364	0.1028	0.0064	0.0728
890	11.6	11.5	3.1886	2.2263	-0.0003	5.4146	-0.0575	0.1003	0.0075	0.0504
891	11.8	11.5	3.1885	2.2261	-0.0005	5.4141	-0.0559	0.101	0.0078	0.0528
892	11.3	11.5	3.1878	2.2263	-0.0008	5.4133	-0.0549	0.1043	0.0078	0.0573
893	11.5	11.5	3.1877	2.2262	-0.001	5.4129	-0.0519	0.1053	0.0062	0.0595
894	11.6	11.5	3.1882	2.2258	-0.0013	5.4127	-0.0388	0.1124	0.0055	0.0791
895	11.9	11.5	3.1884	2.2254	-0.0013	5.4125	-0.0145	0.1052	0.0055	0.0962
896	11.9	11.5	3.1873	2.2246	-0.0015	5.4104	-0.0023	0.1086	0.007	0.1133
897	11.9	11.5	3.1861	2.2241	-0.0016	5.4087	0.0129	0.1105	0.0112	0.1347
898	11.6	11.5	3.1847	2.2238	-0.0016	5.4069	0.0304	0.1091	0.0136	0.153
899	11.3	11.5	3.1837	2.2234	-0.0017	5.4054	0.0516	0.1116	0.0152	0.1784
900	11.1	11.5	3.1826	2.2225	-0.0017	5.4034	0.0728	0.1182	0.0195	0.2105
901	10.9	11.5	3.1826	2.2222	-0.0014	5.4035	0.0739	0.1307	0.0237	0.2282
902	11.2	11.5	3.1845	2.2223	-0.0012	5.4056	0.0599	0.137	0.0221	0.219
903	11.5	11.4	3.1886	2.2221	-0.0012	5.4094	0.0459	0.1359	0.0196	0.2015
904	11.9	11.4	3.1918	2.2219	-0.0013	5.4123	0.059	0.1334	0.0226	0.215
905	11.8	11.4	3.194	2.2215	-0.0013	5.4141	0.0594	0.1322	0.025	0.2166
906	11.2	11.3	3.1944	2.2211	-0.0014	5.4141	0.063	0.1366	0.0224	0.222
907	11.5	11.3	3.1938	2.2212	-0.0015	5.4134	0.0424	0.1418	0.0195	0.2036
908	10.8	11.3	3.1904	2.2212	-0.0018	5.4099	0.039	0.1506	0.0245	0.2141
909	11.3	11.3	3.1887	2.2213	-0.0017	5.4083	0.0612	0.154	0.0261	0.2413
910	11.7	11.3	3.1878	2.2211	-0.0021	5.4068	0.0694	0.1579	0.0235	0.2507
911	11.8	11.3	3.1871	2.2208	-0.0023	5.4056	0.0543	0.1712	0.0186	0.2441
912	10.6	11.3	3.1855	2.2207	-0.0026	5.4036	0.0282	0.1729	0.0169	0.218
913	10.6	11.3	3.1851	2.2205	-0.0024	5.4032	0.0127	0.1675	0.0199	0.2001
914	11.2	11.3	3.1851	2.2201	-0.0022	5.4029	0.0109	0.1628	0.0189	0.1926
915	11.5	11.3	3.1873	2.2193	-0.0018	5.4048	0.0065	0.1642	0.0176	0.1883
916	11.3	11.3	3.1912	2.2185	-0.0016	5.4081	0.0021	0.1683	0.0203	0.1906

917	11.3	11.3	3.1945	2.2179	-0.0014	5.4111	-0.0099	0.1727	0.0184	0.1813
918	11.1	11.3	3.1956	2.2178	-0.0014	5.412	-0.0334	0.1778	0.02	0.1644
919	11	11.3	3.1957	2.2183	-0.0014	5.4126	-0.0513	0.178	0.02	0.1467
920	12	11.2	3.1976	2.2186	-0.0013	5.4149	-0.0755	0.1871	0.0182	0.1297
921	11.2	11.2	3.1983	2.2186	-0.0012	5.4157	-0.1134	0.197	0.0141	0.0977
922	11.7	11.2	3.1976	2.2188	-0.0008	5.4156	-0.1441	0.2022	0.0103	0.0684
923	11.8	11.2	3.1973	2.2191	-0.0009	5.4155	-0.1546	0.199	0.0051	0.0495
924	11	11.2	3.1992	2.2194	-0.0005	5.418	-0.1572	0.1881	0.0023	0.0332
925	11.2	11.2	3.2	2.2199	-0.0003	5.4196	-0.1535	0.178	-0.001	0.0235
926	10.9	11.2	3.2003	2.2202	-0.0003	5.4202	-0.1465	0.1708	-0.0015	0.0229
927	11.5	11.2	3.2001	2.2205	-0.0005	5.4201	-0.1331	0.1649	-0.0019	0.0299
928	11.1	11.2	3.1974	2.2207	-0.0005	5.4176	-0.1289	0.1614	0.0004	0.0328
929	10.9	11.2	3.1957	2.221	-0.0005	5.4163	-0.1174	0.1638	0.0013	0.0476
930	10.9	11.1	3.1962	2.2212	-0.0005	5.4169	-0.1023	0.1647	0.0018	0.0642
931	10.4	11.1	3.1957	2.221	-0.0004	5.4162	-0.1026	0.1604	0.0011	0.0589
932	11.7	11.1	3.1951	2.2208	-0.0007	5.4153	-0.1032	0.1563	0.002	0.0552
933	10.9	11.1	3.1975	2.2202	-0.0009	5.4168	-0.1056	0.1551	0.0055	0.055
934	11.3	11.1	3.1976	2.2195	-0.0006	5.4165	-0.1161	0.1573	0.006	0.0472
935	11.1	11.1	3.1976	2.2195	-0.0005	5.4166	-0.1167	0.16	0.0054	0.0487
936	11	11.1	3.1968	2.2192	-0.0004	5.4157	-0.1042	0.1606	0.0051	0.0614
937	10.7	11.2	3.1964	2.2195	-0.0005	5.4155	-0.0923	0.1649	0.0071	0.0797
938	10.8	11.2	3.1964	2.2198	-0.0007	5.4156	-0.0696	0.1568	0.0099	0.0971
939	11.1	11.2	3.1965	2.2202	-0.0008	5.4159	-0.0489	0.149	0.009	0.1092
940	11.4	11.2	3.1952	2.2201	-0.0007	5.4146	-0.031	0.1426	0.0096	0.1212
941	11.6	11.3	3.1937	2.22	-0.0006	5.4131	-0.0077	0.1404	0.0104	0.143
942	11.9	11.3	3.193	2.2199	-0.0007	5.4121	0.0078	0.1349	0.0078	0.1506
943	11.2	11.4	3.1921	2.2191	-0.0008	5.4104	0.0009	0.1424	0.006	0.1492
944	11	11.4	3.1898	2.22	-0.0006	5.4092	0.0056	0.1399	0.0026	0.1481
945	11.4	11.4	3.1889	2.2195	-0.0007	5.4077	0.0169	0.1382	-0.0012	0.1538
946	11.8	11.4	3.1886	2.2194	-0.0011	5.4069	0.0296	0.1367	-0.0002	0.1662
947	11.6	11.5	3.1881	2.2194	-0.0014	5.4062	0.0196	0.1311	-0.0036	0.1471
948	11.2	11.5	3.1868	2.2192	-0.0015	5.4044	0.0067	0.1308	-0.0049	0.1326
949	11.7	11.5	3.1847	2.2188	-0.0018	5.4018	-0.0029	0.1289	-0.005	0.121
950	11.7	11.5	3.1839	2.2176	-0.0021	5.3995	-0.0112	0.1268	-0.0066	0.1089
951	12	11.6	3.1838	2.2168	-0.0022	5.3984	-0.026	0.1218	-0.0059	0.0899
952	11.7	11.6	3.1844	2.2168	-0.0023	5.3989	-0.0388	0.1245	-0.0042	0.0815
953	11.8	11.6	3.184	2.2169	-0.0024	5.3985	-0.0265	0.1269	-0.0039	0.0965

954	11.9	11.6	3.1843	2.2169	-0.0025	5.3988	0.0078	0.1198	-0.0025	0.1251
955	11.3	11.7	3.1849	2.2167	-0.0023	5.3993	0.0224	0.1204	0.0006	0.1434
956	11.4	11.6	3.1878	2.2164	-0.0022	5.402	0.0398	0.114	0.0027	0.1565
957	11.5	11.6	3.1886	2.2155	-0.0026	5.4015	0.0332	0.1116	0.0043	0.1491
958	11.3	11.6	3.1884	2.2149	-0.0028	5.4005	0.0259	0.1105	0.0059	0.1423
959	11.7	11.6	3.1883	2.2142	-0.0024	5.4001	-0.0197	0.1126	0.0052	0.0981
960	11.9	11.6	3.1891	2.2129	-0.0019	5.4002	-0.062	0.1215	0.0049	0.0643
961	12	11.6	3.191	2.2126	-0.0016	5.402	-0.0777	0.1284	0.0009	0.0516
962	11.4	11.6	3.1922	2.2132	-0.0018	5.4036	-0.0978	0.1296	0.0005	0.0322
963	11.8	11.5	3.1927	2.2133	-0.0018	5.4043	-0.1145	0.1341	-0.0017	0.0178
964	11.9	11.4	3.194	2.2132	-0.0019	5.4054	-0.1184	0.145	-0.0008	0.0258
965	11.6	11.4	3.1954	2.2127	-0.0022	5.4059	-0.1182	0.1509	-0.003	0.0297
966	11.6	11.4	3.1968	2.2119	-0.0023	5.4064	-0.0968	0.1497	-0.0032	0.0497
967	11.1	11.4	3.1985	2.2109	-0.0026	5.4069	-0.0647	0.144	0.0007	0.08
968	11.3	11.4	3.2001	2.2106	-0.0025	5.4082	-0.0401	0.1435	0.0002	0.1035
969	11.2	11.3	3.2021	2.2095	-0.0024	5.4093	-0.0333	0.1435	-0.0002	0.1101
970	11.5	11.3	3.2035	2.2085	-0.0019	5.4101	-0.0433	0.1525	-0.0023	0.1069
971	11.3	11.2	3.204	2.2081	-0.0015	5.4106	-0.036	0.1639	-0.0026	0.1253
972	10.8	11.2	3.2032	2.2087	-0.0009	5.411	-0.0307	0.1695	-0.0021	0.1367
973	10.6	11.1	3.2022	2.2098	-0.0006	5.4113	-0.0243	0.1682	0.0026	0.1464
974	11.1	11	3.2008	2.2107	-0.0004	5.4111	-0.0103	0.1642	0.0036	0.1575
975	11.5	11	3.1989	2.2114	-0.0005	5.4099	0.0075	0.1632	0.0076	0.1783
976	11.2	10.9	3.1968	2.2122	-0.0006	5.4085	0.0157	0.1699	0.0103	0.1959
977	10.6	10.9	3.1959	2.2126	-0.0005	5.408	0.029	0.1721	0.009	0.2101
978	10.6	10.9	3.1957	2.2124	-0.0005	5.4076	0.0309	0.1731	0.0056	0.2095
979	10.6	10.8	3.1963	2.2126	-0.0004	5.4085	0.0161	0.1714	0.0052	0.1927
980	11	10.8	3.1973	2.2129	-0.0003	5.4099	0.0149	0.1685	0.0085	0.1919
981	11	10.8	3.1974	2.2132	-0.0004	5.4102	0.0324	0.1606	0.009	0.202
982	10.8	10.8	3.1978	2.2132	-0.0007	5.4103	0.0426	0.1542	0.0098	0.2066
983	9.99	10.8	3.1992	2.2127	-0.0009	5.4111	0.0486	0.1517	0.0073	0.2076
984	10.2	10.8	3.1999	2.2122	-0.0008	5.4113	0.0793	0.143	0.0065	0.2289
985	10.4	10.7	3.1976	2.212	-0.0008	5.4087	0.089	0.1324	0.0134	0.2347
986	10.8	10.7	3.1939	2.2118	-0.001	5.4047	0.0894	0.1307	0.0175	0.2375
987	10.9	10.7	3.1919	2.212	-0.0013	5.4026	0.0863	0.1282	0.0228	0.2374
988	10.6	10.7	3.1917	2.212	-0.0012	5.4026	0.086	0.1338	0.0281	0.2479
989	10.4	10.7	3.1906	2.2122	-0.0012	5.4017	0.078	0.1447	0.0306	0.2534
990	11	10.7	3.1893	2.2123	-0.0014	5.4003	0.0711	0.1603	0.0364	0.2678

991	11	10.7	3.1878	2.2126	-0.0013	5.399	0.0779	0.1713	0.0369	0.2861
992	11.4	10.7	3.1877	2.2121	-0.0014	5.3984	0.0521	0.191	0.0326	0.2758
993	10.7	10.8	3.1871	2.2122	-0.0013	5.398	0.0016	0.2015	0.0217	0.2247
994	10.6	10.8	3.1865	2.212	-0.0012	5.3973	-0.039	0.207	0.0124	0.1804
995	10.7	10.9	3.1855	2.2117	-0.0013	5.3959	-0.0837	0.2103	0.008	0.1347
996	10.6	10.9	3.1854	2.2115	-0.0011	5.3957	-0.0956	0.1941	0.006	0.1045
997	10.9	10.9	3.1855	2.2111	-0.0011	5.3954	-0.0737	0.1868	0.0012	0.1142
998	10.9	11	3.185	2.2109	-0.0011	5.3948	-0.0491	0.1808	-0.0028	0.1289
999	10.8	11	3.1849	2.2107	-0.001	5.3945	-0.0453	0.1758	-0.006	0.1245
1000	11.2	11	3.1852	2.2103	-0.0011	5.3944	-0.0493	0.1655	-0.0106	0.1056
1001	10.6	11	3.1865	2.2098	-0.0009	5.3954	-0.0548	0.1514	-0.0147	0.0819
1002	10.5	11	3.1872	2.2096	-0.0008	5.396	-0.0745	0.143	-0.015	0.0535
1003	11.2	11	3.1878	2.2101	-0.001	5.3969	-0.0846	0.1339	-0.0125	0.0368
1004	11.5	11	3.1895	2.2098	-0.0014	5.3979	-0.1066	0.1335	-0.0136	0.0133
1005	11.7	11.1	3.19	2.2101	-0.0016	5.3984	-0.1073	0.1338	-0.0155	0.0109
1006	11.4	11.1	3.191	2.2099	-0.0018	5.3992	-0.104	0.13	-0.0133	0.0128
1007	11.3	11.1	3.1912	2.2102	-0.0021	5.3992	-0.0971	0.1227	-0.0137	0.0119
1008	10.7	11.2	3.1924	2.21	-0.0023	5.4001	-0.1055	0.1093	-0.0166	-0.0127
1009	10.9	11.2	3.1949	2.2091	-0.0022	5.4019	-0.1167	0.1086	-0.0172	-0.0254
1010	11	11.3	3.1956	2.2083	-0.0022	5.4017	-0.1102	0.1074	-0.015	-0.0179
1011	10.9	11.3	3.1969	2.2078	-0.0024	5.4023	-0.0976	0.0956	-0.0121	-0.0142
1012	11.2	11.3	3.1969	2.2073	-0.0024	5.4018	-0.0807	0.0925	-0.0126	-0.0008
1013	11.1	11.3	3.1969	2.206	-0.0023	5.4007	-0.0603	0.0966	-0.0177	0.0186
1014	11.4	11.3	3.1969	2.205	-0.0019	5.4	-0.0308	0.0972	-0.017	0.0494
1015	11.9	11.2	3.197	2.2043	-0.0015	5.3998	0.0015	0.0948	-0.0135	0.0828
1016	11.2	11.3	3.1977	2.2041	-0.0017	5.4001	0.0163	0.0894	-0.0139	0.0918
1017	11.7	11.3	3.1985	2.2036	-0.0014	5.4007	0.0366	0.0826	-0.0154	0.1038
1018	11.8	11.3	3.1989	2.2034	-0.0013	5.401	0.0695	0.0705	-0.0187	0.1212
1019	11.5	11.3	3.2001	2.2031	-0.0012	5.402	0.0976	0.064	-0.0153	0.1464
1020	11.1	11.3	3.2012	2.2022	-0.0011	5.4024	0.1268	0.0515	-0.0113	0.167
1021	10.9	11.3	3.2014	2.2016	-0.001	5.402	0.1423	0.0362	-0.0066	0.1719
1022	11	11.3	3.2	2.202	-0.0011	5.401	0.1458	0.0252	-0.0026	0.1683
1023	11.3	11.3	3.1983	2.2027	-0.0012	5.3998	0.137	0.0262	0.003	0.1662
1024	11.2	11.2	3.1984	2.2031	-0.0013	5.4002	0.1218	0.0368	0.0065	0.1651
1025	11.8	11.2	3.1985	2.2029	-0.0013	5.4	0.1059	0.0469	0.0099	0.1627
1026	11	11.1	3.1974	2.203	-0.0012	5.3992	0.0748	0.0581	0.0075	0.1403
1027	11.1	11.1	3.197	2.2032	-0.0011	5.3991	0.0461	0.0745	0.0063	0.1269

1028	10.8	11	3.1958	2.2035	-0.001	5.3983	0.0337	0.0836	0.0079	0.1252
1029	11.4	10.9	3.1942	2.2041	-0.0013	5.3971	0.0297	0.0835	0.0092	0.1223
1030	10.9	10.9	3.193	2.2051	-0.0014	5.3967	0.0296	0.0905	0.0103	0.1305
1031	10.9	10.9	3.1914	2.2055	-0.0014	5.3955	0.0258	0.0992	0.0103	0.1353
1032	10.8	10.8	3.1903	2.2056	-0.0014	5.3945	0.0157	0.1052	0.01	0.1309
1033	10.6	10.8	3.1896	2.2059	-0.0015	5.3939	0.0142	0.1053	0.007	0.1264
1034	10.6	10.7	3.1887	2.2063	-0.0019	5.3931	0.0276	0.1043	0.0066	0.1385
1035	10.5	10.7	3.1886	2.2065	-0.0022	5.3929	0.0397	0.1006	0.0099	0.1501
1036	11.1	10.7	3.1882	2.2064	-0.0027	5.3919	0.026	0.0969	0.0084	0.1314
1037	10.2	10.6	3.1878	2.2061	-0.0033	5.3907	0.0128	0.1005	0.0059	0.1192
1038	10.5	10.6	3.1886	2.2054	-0.0038	5.3902	0.0191	0.1029	0.0041	0.126
1039	10.2	10.6	3.1894	2.2041	-0.0044	5.3891	0.0362	0.0999	0.002	0.1381
1040	10.4	10.6	3.1874	2.203	-0.0044	5.386	0.0165	0.0956	0.0007	0.1128
1041	10.3	10.5	3.1885	2.2009	-0.0039	5.3855	-0.0243	0.093	0.0013	0.0699
1042	10.1	10.5	3.1928	2.1997	-0.0029	5.3896	-0.0584	0.0996	0.0016	0.0428
1043	10.4	10.5	3.196	2.1984	-0.002	5.3923	-0.0744	0.099	-0.0008	0.0238
1044	10.8	10.5	3.1981	2.199	-0.0014	5.3957	-0.0785	0.1058	-0.0022	0.025
1045	10.6	10.5	3.1985	2.2001	-0.0013	5.3972	-0.0812	0.1073	-0.0027	0.0235
1046	10.5	10.5	3.196	2.2007	-0.0012	5.3954	-0.0949	0.1078	-0.0034	0.0094
1047	10.8	10.5	3.1931	2.2014	-0.0011	5.3933	-0.1114	0.1058	0.0006	-0.005
1048	10.6	10.5	3.1913	2.2016	-0.0009	5.392	-0.1196	0.1016	0.001	-0.017
1049	10.9	10.4	3.1897	2.2023	-0.0007	5.3912	-0.1387	0.1029	0.0019	-0.0339
1050	10.4	10.4	3.1894	2.2025	-0.0006	5.3913	-0.1464	0.1018	0.0016	-0.043
1051	10.8	10.4	3.1913	2.2025	-0.0007	5.3931	-0.1457	0.0996	-0.0008	-0.0469
1052	10.6	10.4	3.1928	2.2034	-0.001	5.3952	-0.139	0.0927	-0.0002	-0.0465
1053	10.8	10.4	3.1947	2.2036	-0.0011	5.3972	-0.1337	0.0944	0.0014	-0.0379
1054	10.3	10.4	3.1951	2.2035	-0.0009	5.3977	-0.1222	0.0975	-0.0016	-0.0263
1055	10	10.4	3.1953	2.2037	-0.001	5.398	-0.0899	0.0983	-0.0043	0.0041
1056	9.95	10.4	3.1975	2.2042	-0.0008	5.4008	-0.0773	0.1057	-0.0061	0.0222
1057	10.3	10.4	3.1991	2.2046	-0.0009	5.4028	-0.0619	0.1065	-0.0107	0.0338
1058	10.1	10.4	3.2001	2.204	-0.0011	5.403	-0.063	0.1113	-0.0153	0.033
1059	10.1	10.4	3.1993	2.2035	-0.0009	5.4019	-0.0424	0.1121	-0.0183	0.0514
1060	10.1	10.4	3.1989	2.2033	-0.0007	5.4016	-0.0163	0.1044	-0.0188	0.0693
1061	10.4	10.4	3.1991	2.2034	-0.0004	5.4021	-0.0136	0.0939	-0.0179	0.0624
1062	9.9	10.5	3.1983	2.2035	0	5.4017	0.0006	0.0776	-0.0197	0.0585
1063	10.7	10.5	3.1958	2.2036	-0.0001	5.3993	0.0108	0.0676	-0.0212	0.0572
1064	10.5	10.5	3.1939	2.2037	-0.0005	5.3971	0.0246	0.0507	-0.0229	0.0524

1065	10.8	10.5	3.1938	2.2038	-0.0008	5.3967	0.0403	0.0367	-0.0172	0.0598
1066	10.7	10.6	3.1932	2.2036	-0.0008	5.396	0.0528	0.0276	-0.0114	0.0689
1067	10.5	10.7	3.1916	2.2039	-0.0007	5.3947	0.0742	0.0205	-0.0117	0.083
1068	10.7	10.7	3.1903	2.2042	-0.001	5.3935	0.0949	0.013	-0.009	0.0989
1069	10.9	10.8	3.1894	2.2044	-0.0012	5.3926	0.1063	0.01	-0.0085	0.1078
1070	11.1	10.8	3.1893	2.2049	-0.0013	5.3929	0.1222	0.0051	-0.0055	0.1218
1071	11.2	10.9	3.1894	2.2056	-0.0013	5.3938	0.1284	-0.0008	-0.0029	0.1248
1072	10.8	10.9	3.1895	2.2061	-0.0012	5.3944	0.1109	-0.0038	-0.0027	0.1044
1073	10.8	10.9	3.19	2.2061	-0.0013	5.3948	0.0644	0.0015	-0.0036	0.0623
1074	10.9	11	3.1902	2.206	-0.0014	5.3948	0.0341	0.0108	-0.0053	0.0396
1075	11.5	11	3.1914	2.2056	-0.0012	5.3959	0.0413	0.0177	-0.006	0.053
1076	11.3	11	3.1922	2.2048	-0.0012	5.3958	0.0498	0.0158	-0.0049	0.0607
1077	11.1	11	3.1925	2.2043	-0.0013	5.3955	0.041	0.0192	-0.0028	0.0573
1078	11.1	11.1	3.1927	2.2041	-0.0014	5.3954	0.0313	0.0244	0	0.0556
1079	10.9	11.1	3.1933	2.2035	-0.0014	5.3954	0.0307	0.0307	0.0008	0.0622
1080	11.3	11.1	3.1947	2.203	-0.0013	5.3964	0.0284	0.0437	-0.0029	0.0692
1081	10.9	11.1	3.1958	2.2027	-0.0014	5.3971	0.0339	0.0609	-0.0054	0.0894
1082	10.9	11.1	3.1964	2.2027	-0.0014	5.3976	0.0421	0.0699	-0.0055	0.1066
1083	10.9	11.1	3.1964	2.2023	-0.0015	5.3972	0.0533	0.0734	-0.0026	0.1241
1084	11.2	11.2	3.1959	2.2021	-0.0017	5.3962	0.0542	0.0767	-0.0011	0.1298
1085	10.7	11.2	3.195	2.2023	-0.0016	5.3956	0.0537	0.0845	-0.0066	0.1316
1086	10.8	11.2	3.1926	2.2018	-0.0016	5.3928	0.0669	0.091	-0.0086	0.1493
1087	11.8	11.2	3.19	2.2017	-0.0017	5.39	0.0665	0.0976	-0.0128	0.1514
1088	11.3	11.2	3.1881	2.202	-0.0014	5.3888	0.0643	0.0875	-0.018	0.1338
1089	11	11.3	3.189	2.2027	-0.0012	5.3904	0.0653	0.0862	-0.0229	0.1286
1090	11.1	11.3	3.1918	2.203	-0.0015	5.3933	0.034	0.0804	-0.0319	0.0825
1091	11.6	11.3	3.1936	2.2026	-0.0015	5.3948	-0.0105	0.0758	-0.0315	0.0338
1092	11.4	11.3	3.1951	2.2022	-0.0013	5.396	-0.0185	0.0546	-0.0269	0.0092
1093	12.1	11.3	3.195	2.2016	-0.001	5.3955	-0.0053	0.045	-0.0213	0.0184
1094	11.7	11.3	3.1947	2.2012	-0.0009	5.395	0.0083	0.0344	-0.0134	0.0293
1095	11.4	11.4	3.195	2.201	-0.001	5.395	0.0163	0.0399	-0.0062	0.05
1096	11.2	11.4	3.1965	2.2009	-0.0012	5.3962	0.0076	0.0531	-0.0063	0.0545
1097	11.7	11.3	3.1974	2.2009	-0.0012	5.3971	-0.0191	0.0575	-0.0057	0.0327
1098	11.7	11.3	3.1989	2.2006	-0.0013	5.3982	-0.0451	0.0588	-0.0059	0.0078
1099	11.1	11.3	3.1995	2.2005	-0.0012	5.3988	-0.0745	0.0574	-0.0036	-0.0207
1100	11.2	11.3	3.1998	2.2003	-0.001	5.3991	-0.0951	0.0664	0.0024	-0.0263
1101	11.7	11.3	3.2004	2.2005	-0.0009	5.4	-0.1049	0.0709	0.0039	-0.0301

1102	11.2	11.3	3.2005	2.2002	-0.001	5.3997	-0.0739	0.0677	0.0019	-0.0043
1103	11.1	11.2	3.2	2.2003	-0.0008	5.3995	-0.0471	0.0729	-0.0022	0.0235
1104	11.1	11.2	3.1985	2.2	-0.001	5.3975	-0.0256	0.0681	-0.004	0.0385
1105	10.9	11.2	3.1977	2.1995	-0.001	5.3962	-0.0211	0.0658	-0.0028	0.042
1106	11.1	11.2	3.1972	2.1993	-0.0007	5.3958	-0.0289	0.0683	-0.0008	0.0386
1107	11.2	11.2	3.1975	2.199	-0.0006	5.3959	-0.0186	0.0751	0.0026	0.0592
1108	11.3	11.1	3.1966	2.1988	-0.0005	5.3949	-0.0003	0.0834	0.0021	0.0852
1109	11.1	11.1	3.1965	2.1987	-0.0003	5.3949	0.0102	0.0811	0.0028	0.0942
1110	10.8	11.1	3.197	2.1989	-0.0004	5.3954	0.0138	0.0816	0.0088	0.1042
1111	10.6	11.1	3.1968	2.2001	-0.0004	5.3965	0.0213	0.0813	0.01	0.1125
1112	11.4	11.1	3.1958	2.2005	-0.0003	5.3961	0.0219	0.0855	0.0097	0.1171
1113	11.2	11.1	3.1945	2.201	0	5.3954	0.0158	0.0898	0.0118	0.1174
1114	11.2	11.1	3.1929	2.2013	-0.0002	5.394	-0.0066	0.094	0.0112	0.0986
1115	11.5	11.1	3.1917	2.2015	-0.0004	5.3929	-0.0231	0.0959	0.0098	0.0827
1116	11.4	11.1	3.1903	2.202	-0.0005	5.3918	-0.035	0.1015	0.0077	0.0742
1117	11.1	11.1	3.189	2.2023	-0.0005	5.3908	-0.0605	0.1014	0.0098	0.0507
1118	10.8	11.1	3.1883	2.2025	-0.0005	5.3902	-0.0896	0.1128	0.0075	0.0307
1119	10.6	11.1	3.1878	2.2026	-0.0006	5.3898	-0.1082	0.1221	0.0018	0.0156
1120	11.1	11.1	3.1884	2.2023	-0.0008	5.3899	-0.1221	0.1245	-0.0025	-0.0001
1121	10.8	11.1	3.1903	2.202	-0.0007	5.3916	-0.1301	0.1359	-0.0052	0.0006
1122	11.1	11.1	3.1936	2.2018	-0.0007	5.3947	-0.1144	0.1439	-0.0056	0.0239
1123	11.3	11.1	3.1949	2.2016	-0.0007	5.3958	-0.095	0.1481	-0.0037	0.0494
1124	11.7	11.2	3.1943	2.2013	-0.0007	5.3949	-0.0819	0.1482	-0.0038	0.0625
1125	11	11.1	3.1935	2.2013	-0.0008	5.394	-0.0734	0.1481	-0.0058	0.0689
1126	10.7	11.1	3.1933	2.2011	-0.0009	5.3935	-0.0513	0.1422	-0.0039	0.0869
1127	11.3	11.1	3.1939	2.2008	-0.0011	5.3935	-0.0371	0.1352	0.0002	0.0983
1128	11.2	11.1	3.1928	2.2005	-0.0011	5.3921	-0.0378	0.1349	0.0004	0.0975
1129	11.2	11.2	3.1914	2.1998	-0.001	5.3901	-0.0506	0.1369	-0.0028	0.0834
1130	11	11.2	3.1896	2.199	-0.0009	5.3877	-0.0571	0.1318	-0.0051	0.0695
1131	11.1	11.2	3.1872	2.1985	-0.0009	5.3849	-0.0319	0.1297	-0.0073	0.0906
1132	11.6	11.2	3.185	2.1983	-0.0011	5.3821	-0.0154	0.1278	-0.0094	0.1031
1133	11.5	11.2	3.1841	2.1982	-0.0014	5.3809	-0.003	0.126	-0.0084	0.1145
1134	11.1	11.2	3.1833	2.1978	-0.0013	5.3799	-0.001	0.1215	-0.0086	0.1119
1135	10.9	11.3	3.1819	2.1974	-0.0014	5.3779	-0.0078	0.1229	-0.0112	0.1038
1136	11.3	11.3	3.1815	2.1967	-0.0014	5.3768	-0.0079	0.1214	-0.0129	0.1005
1137	11.1	11.3	3.1814	2.1974	-0.0015	5.3773	-0.029	0.1174	-0.0121	0.0763
1138	11.2	11.3	3.1821	2.1968	-0.0015	5.3774	-0.0562	0.1128	-0.0128	0.0438

1139	11.1	11.3	3.186	2.1961	-0.0012	5.3809	-0.0674	0.1105	-0.0059	0.0372
1140	11.1	11.3	3.1885	2.1954	-0.0012	5.3827	-0.0641	0.1176	-0.0038	0.0497
1141	11.6	11.2	3.1904	2.1954	-0.0012	5.3846	-0.034	0.12	-0.0022	0.0838
1142	11.8	11.2	3.1933	2.1952	-0.0008	5.3877	-0.0162	0.1156	0.0007	0.1001
1143	11.6	11.2	3.1951	2.195	-0.0007	5.3894	-0.0007	0.1109	0.002	0.1122
1144	11.6	11.2	3.1965	2.195	-0.0008	5.3907	0.0197	0.1086	0.0035	0.1318
1145	11.8	11.2	3.1977	2.1948	-0.0007	5.3918	0.0408	0.1078	0.0038	0.1524
1146	11.2	11.2	3.1979	2.195	-0.0007	5.3922	0.0644	0.0995	0.0044	0.1683
1147	10.6	11.2	3.1976	2.1955	-0.0005	5.3925	0.0984	0.0975	0.0065	0.2025
1148	11.3	11.2	3.1988	2.1959	-0.0006	5.3941	0.1044	0.0972	0.0062	0.2077
1149	10.5	11.2	3.1992	2.1956	-0.001	5.3938	0.0868	0.1135	-0.0004	0.1998
1150	10.8	11.2	3.1999	2.1954	-0.001	5.3943	0.091	0.11	0	0.201
1151	10.9	11.2	3.1987	2.1957	-0.0009	5.3935	0.082	0.1105	0.0037	0.1962
1152	11.1	11.2	3.1975	2.1961	-0.0008	5.3929	0.0796	0.1163	-0.0008	0.1951
1153	11.1	11.2	3.1972	2.1968	-0.0007	5.3934	0.0678	0.1209	-0.0045	0.1842
1154	10.8	11.2	3.1972	2.197	-0.0007	5.3935	0.0467	0.1297	-0.0027	0.1736
1155	10.9	11.2	3.1982	2.1969	-0.0009	5.3942	0.0296	0.1294	-0.0037	0.1553
1156	11.3	11.2	3.1993	2.1966	-0.0011	5.3949	0.019	0.127	-0.007	0.139
1157	11.5	11.3	3.1992	2.1962	-0.0012	5.3942	0.0108	0.1193	-0.0063	0.1238
1158	11.9	11.3	3.199	2.1959	-0.0013	5.3936	0.0173	0.1087	-0.005	0.121
1159	11.4	11.3	3.1979	2.1953	-0.0018	5.3915	0.0248	0.0998	-0.0005	0.124
1160	10.9	11.4	3.1968	2.1952	-0.0017	5.3903	0.0395	0.0861	0.0018	0.1274
1161	11.7	11.4	3.1969	2.1948	-0.0013	5.3904	0.0603	0.084	0.0002	0.1445
1162	12.2	11.4	3.1967	2.1945	-0.0012	5.39	0.0711	0.0887	0.002	0.1618
1163	11.9	11.4	3.1965	2.1942	-0.0012	5.3895	0.0745	0.088	0.0045	0.167
1164	11.1	11.4	3.1962	2.1941	-0.0015	5.3888	0.0621	0.0894	0.0106	0.162
1165	11.2	11.5	3.1973	2.1936	-0.0016	5.3893	0.0421	0.092	0.008	0.1421
1166	11.5	11.5	3.1992	2.1935	-0.0017	5.3909	0.0372	0.0931	0.0071	0.1374
1167	11.5	11.4	3.2005	2.1926	-0.0014	5.3917	0.0399	0.0967	0.0054	0.142
1168	11.5	11.4	3.2011	2.192	-0.0012	5.392	0.0369	0.0959	0.0055	0.1383
1169	11.6	11.4	3.2016	2.1919	-0.001	5.3926	0.0321	0.0922	0.0038	0.1282
1170	11.5	11.4	3.2023	2.1913	-0.0008	5.3928	0.0356	0.0896	0.0031	0.1284
1171	11.2	11.4	3.2009	2.1912	-0.0007	5.3914	0.0487	0.0864	0.0023	0.1374
1172	11.3	11.4	3.199	2.1913	-0.0009	5.3894	0.0686	0.0908	0.0019	0.1613
1173	11.2	11.4	3.1982	2.1913	-0.0009	5.3886	0.0602	0.0992	-0.0007	0.1587
1174	11.3	11.4	3.1975	2.1912	-0.0008	5.3879	0.0467	0.106	-0.0029	0.1498
1175	11.2	11.3	3.1966	2.1914	-0.0008	5.3872	0.0129	0.1138	-0.003	0.1237

1176	11.4	11.3	3.1959	2.1913	-0.0012	5.386	-0.0227	0.1082	-0.0035	0.0819
1177	11.6	11.3	3.1963	2.1908	-0.0014	5.3857	-0.033	0.1011	-0.0011	0.067
1178	11.4	11.3	3.1978	2.1904	-0.0011	5.3871	-0.0246	0.0948	-0.0023	0.0679
1179	11.2	11.3	3.199	2.1904	-0.0009	5.3885	-0.0337	0.0869	-0.0041	0.0491
1180	11.4	11.2	3.1979	2.19	-0.0006	5.3873	-0.0402	0.0797	-0.0048	0.0346
1181	11.5	11.2	3.1974	2.1899	-0.0005	5.3868	-0.0399	0.0738	-0.0015	0.0324
1182	11.4	11.1	3.1967	2.1901	-0.0006	5.3862	-0.0465	0.0694	0.0007	0.0237
1183	11.1	11	3.1965	2.1902	-0.0007	5.386	-0.0581	0.0684	0.0007	0.011
1184	10.8	11	3.1967	2.1898	-0.0006	5.3859	-0.0574	0.0723	-0.0021	0.0127
1185	11.5	10.9	3.1958	2.1901	-0.0003	5.3855	-0.0483	0.0746	-0.0034	0.0228
1186	11.1	10.9	3.1955	2.19	-0.0004	5.3851	-0.0558	0.0678	-0.0056	0.0063
1187	10.8	10.8	3.1956	2.1904	-0.0004	5.3856	-0.0493	0.0608	-0.0062	0.0053
1188	11.2	10.7	3.1949	2.191	-0.0008	5.385	-0.0572	0.0706	-0.0099	0.0036
1189	10.6	10.7	3.1954	2.1909	-0.0009	5.3854	-0.0621	0.0685	-0.009	-0.0026
1190	10.4	10.6	3.1952	2.191	-0.0013	5.3849	-0.046	0.0673	-0.0067	0.0146
1191	9.77	10.5	3.1952	2.1911	-0.0015	5.3847	-0.0414	0.0664	-0.007	0.018
1192	10.1	10.5	3.1952	2.1911	-0.0015	5.3848	-0.0266	0.0665	-0.0072	0.0326
1193	10.3	10.4	3.193	2.1907	-0.0014	5.3824	-0.0007	0.068	-0.0017	0.0656
1194	9.92	10.4	3.1906	2.1904	-0.0013	5.3797	0.0116	0.067	0.0001	0.0786
1195	10.4	10.4	3.1885	2.191	-0.0014	5.3781	0.0249	0.0674	0.0005	0.0928
1196	9.97	10.3	3.1867	2.1911	-0.0018	5.376	0.0329	0.069	0.0039	0.1058
1197	10.1	10.3	3.187	2.1912	-0.0018	5.3763	0.0436	0.0709	0.0088	0.1234
1198	10.3	10.2	3.1902	2.1893	-0.0013	5.3782	0.0326	0.0811	0.0075	0.1212
1199	10.1	10.2	3.1904	2.1895	-0.0012	5.3787	0.0409	0.0965	0.004	0.1413
1200	10.4	10.2	3.1916	2.1893	-0.0014	5.3795	0.0537	0.0925	-0.0019	0.1442
1201	10.3	10.2	3.1925	2.1889	-0.0008	5.3805	0.0537	0.087	-0.0027	0.138
1202	10.4	10.2	3.1937	2.1881	-0.0005	5.3813	0.039	0.0894	-0.0006	0.1278
1203	10.5	10.2	3.1953	2.1874	-0.0006	5.3821	0.0289	0.0897	0.0008	0.1195
1204	10.4	10.2	3.1956	2.1871	-0.0006	5.382	0.017	0.0975	0.0017	0.1162
1205	10.1	10.2	3.1958	2.1868	-0.0003	5.3823	0.0071	0.1037	0.0028	0.1136
1206	10.1	10.2	3.1962	2.1874	-0.0001	5.3834	0.0309	0.103	0.0001	0.134
1207	9.91	10.2	3.1957	2.1882	-0.0001	5.3838	0.0584	0.0983	-0.0041	0.1527
1208	10.2	10.2	3.1942	2.1888	-0.0004	5.3825	0.0606	0.0932	-0.0041	0.1497
1209	9.91	10.3	3.1926	2.1901	-0.0005	5.3822	0.0502	0.0891	-0.0062	0.1331
1210	10.5	10.3	3.1909	2.1905	-0.0004	5.381	0.0264	0.0871	-0.0135	0.0999
1211	10.2	10.2	3.1897	2.1912	-0.0006	5.3803	-0.0002	0.085	-0.0105	0.0743
1212	10.2	10.2	3.1884	2.1917	-0.0007	5.3794	-0.0165	0.0843	-0.0053	0.0625

1213	9.69	10.2	3.1883	2.192	-0.0011	5.3792	-0.0224	0.0814	-0.0052	0.0538
1214	9.8	10.3	3.1887	2.1921	-0.001	5.3798	-0.0279	0.08	-0.0064	0.0457
1215	10.5	10.3	3.188	2.1922	-0.0011	5.3792	-0.0336	0.0788	-0.01	0.0352
1216	10.6	10.3	3.1863	2.1923	-0.001	5.3776	-0.023	0.0743	-0.0107	0.0406
1217	10.6	10.4	3.1854	2.1927	-0.0011	5.377	0.0016	0.0748	-0.0119	0.0645
1218	10.5	10.4	3.1851	2.1932	-0.0009	5.3774	0.0245	0.0626	-0.009	0.0782
1219	10.3	10.5	3.1843	2.1936	-0.0009	5.3769	0.0494	0.0533	-0.0059	0.0968
1220	10.1	10.5	3.1835	2.1936	-0.001	5.3762	0.0699	0.053	-0.0019	0.121
1221	10.4	10.5	3.1834	2.1929	-0.0009	5.3754	0.083	0.0432	0.002	0.1283
1222	10.2	10.6	3.1876	2.1919	-0.0006	5.3788	0.082	0.0412	0.003	0.1262
1223	10.9	10.7	3.1902	2.191	-0.0004	5.3809	0.0777	0.042	0.0014	0.1211
1224	10.8	10.7	3.193	2.1899	-0.0004	5.3825	0.0833	0.043	0.001	0.1272
1225	10.8	10.8	3.1957	2.1905	-0.0005	5.3858	0.099	0.0458	0.005	0.1498
1226	10.9	10.8	3.1966	2.1909	-0.0008	5.3868	0.1086	0.0419	0.0068	0.1573
1227	10.7	10.8	3.1963	2.1913	-0.0009	5.3867	0.1187	0.0394	0.0013	0.1594
1228	11	10.9	3.1961	2.1918	-0.0007	5.3872	0.1284	0.0328	-0.0031	0.1581
1229	10.9	10.9	3.1954	2.1918	-0.0005	5.3867	0.1375	0.0241	-0.0034	0.1581
1230	11.4	10.9	3.1936	2.1916	-0.0007	5.3845	0.1499	0.02	-0.0036	0.1663
1231	11.5	11	3.1918	2.1916	-0.0009	5.3825	0.1426	0.0133	-0.0021	0.1537
1232	11.2	11	3.1908	2.1915	-0.0012	5.381	0.1366	0.0085	-0.0015	0.1435
1233	10.9	11	3.1899	2.191	-0.0012	5.3797	0.1084	0.0086	-0.0014	0.1156
1234	11.3	11.1	3.1882	2.1904	-0.0009	5.3776	0.0916	0.0111	-0.001	0.1017
1235	11.2	11.1	3.1875	2.1906	-0.0008	5.3773	0.0828	0.0096	0.002	0.0945
1236	10.8	11.1	3.1864	2.1906	-0.0008	5.3763	0.064	0.0166	0.0056	0.0861
1237	11.3	11.1	3.1871	2.1903	-0.0005	5.3769	0.0583	0.0179	0.0087	0.0849
1238	10.3	11.2	3.1883	2.1899	-0.0006	5.3776	0.0578	0.0261	0.0098	0.0937
1239	11	11.2	3.1906	2.1893	-0.0005	5.3794	0.0573	0.0322	0.0061	0.0956
1240	11.5	11.2	3.1926	2.1888	-0.0005	5.3809	0.0854	0.0352	0.0062	0.1267
1241	11.3	11.2	3.1931	2.1887	-0.0004	5.3814	0.1029	0.0368	0.0014	0.1412
1242	11.1	11.2	3.1934	2.1884	-0.0006	5.3812	0.1102	0.0404	-0.0012	0.1495
1243	11.3	11.2	3.194	2.1883	-0.0007	5.3816	0.118	0.0405	-0.0031	0.1553
1244	10.8	11.2	3.194	2.1883	-0.0008	5.3814	0.095	0.0374	-0.0016	0.1309
1245	11.3	11.2	3.1944	2.1879	-0.0011	5.3812	0.0578	0.0394	0.0012	0.0984
1246	11.9	11.3	3.1935	2.1879	-0.0016	5.3798	0.0197	0.0542	0.0004	0.0743
1247	11.5	11.3	3.1943	2.1874	-0.0013	5.3804	-0.0217	0.0623	-0.0041	0.0366
1248	11.5	11.3	3.1947	2.1862	-0.001	5.3799	-0.0419	0.0698	-0.0049	0.0231
1249	11.1	11.3	3.1938	2.1864	-0.0008	5.3794	-0.0237	0.0528	0.0013	0.0304

1250	11.5	11.3	3.1945	2.1867	-0.0007	5.3805	-0.0325	0.0516	0.0029	0.0219
1251	11.2	11.4	3.1948	2.1868	-0.0008	5.3807	-0.0326	0.0506	0.0032	0.0213
1252	11	11.4	3.1947	2.1872	-0.0009	5.3809	-0.0314	0.0519	0.0096	0.0301
1253	11.1	11.4	3.1955	2.187	-0.0008	5.3817	-0.0103	0.0437	0.0087	0.0422
1254	11.6	11.4	3.1965	2.1866	-0.001	5.3821	0.0185	0.0363	0.0052	0.06
1255	11.8	11.4	3.1951	2.1866	-0.0009	5.3808	0.0174	0.0358	0.0036	0.0568
1256	11.2	11.3	3.1935	2.1868	-0.0007	5.3796	0.0064	0.0297	0.0073	0.0434
1257	11.4	11.3	3.1931	2.1869	-0.0008	5.3793	0.0058	0.0331	0.014	0.0529
1258	11.6	11.3	3.194	2.187	-0.0007	5.3803	-0.009	0.0446	0.016	0.0516
1259	11.4	11.3	3.1953	2.1866	-0.0004	5.3815	-0.0202	0.0621	0.0103	0.0523
1260	11.6	11.3	3.1968	2.1867	-0.0006	5.3829	-0.0213	0.0794	0.0067	0.0648
1261	11.5	11.3	3.1985	2.1864	-0.0008	5.3841	-0.0262	0.0826	0.0062	0.0626
1262	10.8	11.3	3.1989	2.1864	-0.0007	5.3846	-0.0351	0.0868	0.004	0.0558
1263	11.2	11.3	3.1993	2.1862	-0.0006	5.3849	-0.0499	0.0939	0.0053	0.0492
1264	11	11.2	3.1996	2.1862	-0.0005	5.3853	-0.0722	0.102	0.0031	0.0328
1265	11.1	11.2	3.1996	2.1862	-0.0005	5.3853	-0.0724	0.1036	0.0069	0.0381
1266	11.5	11.2	3.199	2.186	-0.0005	5.3845	-0.0807	0.1106	0.0082	0.0381
1267	11.3	11.2	3.1981	2.1863	-0.0005	5.3838	-0.0983	0.1132	0.0076	0.0225
1268	11	11.2	3.1962	2.1867	-0.0006	5.3823	-0.1221	0.119	0.0066	0.0035
1269	11.1	11.2	3.1946	2.1866	-0.0008	5.3805	-0.1498	0.1313	0.0054	-0.0132
1270	11	11.2	3.194	2.187	-0.001	5.38	-0.1791	0.1331	0.0041	-0.0418
1271	11.1	11.1	3.1927	2.1871	-0.001	5.3788	-0.1978	0.1285	0.0029	-0.0663
1272	10.8	11.2	3.1912	2.1871	-0.001	5.3773	-0.1945	0.1121	0.0022	-0.0802
1273	11.2	11.2	3.1898	2.187	-0.001	5.3758	-0.137	0.0951	0.0067	-0.0352
1274	11.2	11.2	3.1876	2.1866	-0.0013	5.3729	-0.0698	0.0852	0.0092	0.0246
1275	11.6	11.2	3.1857	2.1872	-0.0015	5.3714	0.0032	0.0734	0.0098	0.0865
1276	11.2	11.2	3.184	2.1873	-0.0013	5.37	0.0469	0.0815	0.0114	0.1398
1277	10.7	11.2	3.1835	2.1875	-0.0011	5.3699	0.0632	0.0844	0.0058	0.1534
1278	11.4	11.2	3.1841	2.188	-0.0008	5.3713	0.0488	0.088	0.0053	0.142
1279	11.3	11.3	3.184	2.1884	-0.0006	5.3718	0.0368	0.0953	0.0072	0.1394
1280	11.1	11.3	3.1837	2.1887	-0.0004	5.3719	0.0085	0.1003	0.0107	0.1194
1281	11.4	11.3	3.1837	2.1891	-0.0004	5.3724	-0.0202	0.1056	0.0126	0.098
1282	11.6	11.4	3.1858	2.1892	-0.0005	5.3746	-0.0357	0.1108	0.009	0.0841
1283	11.4	11.4	3.1874	2.1891	-0.0006	5.3759	-0.0468	0.1103	0.0076	0.0712
1284	11.5	11.5	3.1884	2.1889	-0.0008	5.3764	-0.0568	0.1091	0.0119	0.0641
1285	11.2	11.5	3.1894	2.1885	-0.0009	5.3769	-0.0499	0.1045	0.0169	0.0716
1286	11.2	11.5	3.1897	2.1882	-0.0013	5.3766	-0.0318	0.1149	0.0162	0.0993

1287	11.5	11.6	3.1898	2.1878	-0.0014	5.3762	-0.0413	0.1202	0.0136	0.0926
1288	11.4	11.6	3.1891	2.1878	-0.0014	5.3755	-0.048	0.1193	0.015	0.0863
1289	11.5	11.6	3.1868	2.1874	-0.0015	5.3727	-0.0606	0.1169	0.0086	0.065
1290	11.2	11.7	3.1849	2.1873	-0.0014	5.3708	-0.0446	0.1153	0.0036	0.0743
1291	12.1	11.6	3.1842	2.187	-0.0014	5.3698	-0.0443	0.1045	-0.0006	0.0597
1292	12.2	11.6	3.1834	2.1871	-0.0012	5.3693	-0.0588	0.1029	-0.0025	0.0416
1293	12.1	11.6	3.1835	2.187	-0.0012	5.3693	-0.0616	0.0963	-0.0044	0.0303
1294	11.7	11.6	3.1848	2.1865	-0.0014	5.3699	-0.0591	0.0905	-0.0057	0.0258
1295	11.7	11.6	3.1866	2.1856	-0.0014	5.3707	-0.056	0.0826	-0.0057	0.021
1296	12.3	11.7	3.1888	2.1849	-0.0014	5.3723	-0.0365	0.0772	-0.0066	0.034
1297	11.9	11.7	3.1912	2.1842	-0.0013	5.374	-0.0403	0.0811	-0.0121	0.0286
1298	11.8	11.7	3.1926	2.184	-0.0014	5.3752	-0.0442	0.0762	-0.008	0.024
1299	11.7	11.8	3.1937	2.1843	-0.0015	5.3765	-0.0509	0.0655	-0.0038	0.0108
1300	11.1	11.8	3.1948	2.1842	-0.0017	5.3773	-0.0705	0.0708	-0.0034	-0.003
1301	11.3	11.8	3.1956	2.1837	-0.0018	5.3775	-0.0598	0.0724	-0.0041	0.0085
1302	11.4	11.7	3.1948	2.1837	-0.0014	5.3771	-0.0382	0.0691	-0.0072	0.0237
1303	11.6	11.7	3.1935	2.1837	-0.0011	5.3761	-0.0193	0.0665	-0.0036	0.0435
1304	11.4	11.7	3.1938	2.1835	-0.001	5.3763	-0.0035	0.0627	-0.0033	0.0559
1305	11.9	11.7	3.1952	2.1838	-0.001	5.378	0.0063	0.0623	-0.0022	0.0664
1306	12.1	11.6	3.1956	2.1841	-0.0015	5.3781	-0.0017	0.0642	-0.0001	0.0624
1307	12.1	11.6	3.1966	2.1837	-0.0017	5.3786	-0.0027	0.0677	0.0031	0.0681
1308	11.9	11.6	3.1962	2.1826	-0.0014	5.3773	0.0214	0.0704	0.0032	0.095
1309	11.9	11.6	3.1947	2.1822	-0.0012	5.3757	0.0516	0.0737	0.0044	0.1296
1310	11.7	11.6	3.1935	2.1822	-0.001	5.3747	0.0773	0.0702	0.0073	0.1548
1311	11.2	11.6	3.1932	2.1825	-0.001	5.3747	0.103	0.0696	0.006	0.1786
1312	11.6	11.6	3.1934	2.1823	-0.0013	5.3745	0.1243	0.0656	0.0054	0.1954
1313	11.5	11.6	3.1955	2.1818	-0.0014	5.3759	0.1323	0.0662	0.0064	0.2049
1314	11.9	11.6	3.1959	2.1818	-0.0017	5.376	0.1376	0.065	0.0123	0.2148
1315	11.1	11.6	3.1961	2.1812	-0.0019	5.3754	0.1415	0.0689	0.0131	0.2235
1316	11.4	11.6	3.1961	2.181	-0.0018	5.3753	0.1544	0.0729	0.013	0.2402
1317	11.8	11.6	3.1976	2.1808	-0.0017	5.3766	0.1492	0.0724	0.0136	0.2351
1318	11.4	11.6	3.2001	2.1801	-0.0014	5.3787	0.1346	0.0825	0.0133	0.2304
1319	11.6	11.5	3.2022	2.1803	-0.0013	5.3811	0.1102	0.0813	0.0114	0.2029
1320	11.6	11.5	3.2033	2.1808	-0.0013	5.3828	0.0703	0.0858	0.0097	0.1658
1321	11.3	11.5	3.2028	2.1817	-0.0011	5.3834	0.0403	0.095	0.0096	0.1449
1322	11.7	11.5	3.2013	2.1824	-0.0013	5.3824	0.0151	0.0975	0.0069	0.1195
1323	11.2	11.5	3.1972	2.1825	-0.0013	5.3784	0.0056	0.0932	0.0041	0.1029

1324	11.2	11.5	3.1927	2.1826	-0.0014	5.3739	-0.0067	0.09	0.0008	0.0841
1325	12.1	11.6	3.1911	2.1823	-0.0016	5.3718	-0.0592	0.0837	-0.0047	0.0198
1326	11.7	11.6	3.1903	2.1825	-0.0014	5.3714	-0.1015	0.0917	-0.0076	-0.0174
1327	11.6	11.6	3.1915	2.1825	-0.0014	5.3725	-0.1356	0.0981	-0.0096	-0.0471
1328	11.1	11.6	3.1924	2.1822	-0.0014	5.3733	-0.1479	0.0995	-0.0118	-0.0603
1329	11	11.6	3.1946	2.1818	-0.0016	5.3747	-0.1471	0.1039	-0.0082	-0.0513
1330	11.4	11.5	3.1956	2.1811	-0.002	5.3747	-0.1417	0.1014	-0.0076	-0.0479
1331	11.7	11.6	3.1954	2.1805	-0.0018	5.3741	-0.1481	0.0966	-0.0051	-0.0565
1332	12.1	11.5	3.1954	2.1804	-0.002	5.3739	-0.133	0.0979	-0.0044	-0.0395
1333	11.9	11.6	3.1955	2.1801	-0.0024	5.3732	-0.101	0.1001	-0.0043	-0.0052
1334	11.7	11.6	3.1932	2.1799	-0.0026	5.3705	-0.1023	0.1012	-0.004	-0.0051
1335	11.7	11.6	3.1907	2.1791	-0.0024	5.3674	-0.1207	0.1051	-0.007	-0.0226
1336	11.6	11.6	3.1906	2.1786	-0.0021	5.367	-0.1209	0.1002	-0.0115	-0.0322
1337	11.7	11.6	3.1919	2.1784	-0.002	5.3683	-0.1195	0.0978	-0.016	-0.0377
1338	11.4	11.6	3.1943	2.1782	-0.0014	5.3711	-0.1222	0.0941	-0.017	-0.0451
1339	11	11.6	3.1951	2.1778	-0.0009	5.372	-0.1331	0.0901	-0.0185	-0.0615
1340	11.5	11.6	3.197	2.1783	-0.0005	5.3749	-0.1512	0.0818	-0.0199	-0.0892
1341	11.5	11.6	3.1989	2.1785	-0.0002	5.3772	-0.1509	0.0767	-0.0175	-0.0916
1342	11.4	11.5	3.1996	2.1788	-0.0002	5.3782	-0.1346	0.0695	-0.0162	-0.0813
1343	11.7	11.5	3.1999	2.1792	-0.0001	5.379	-0.1158	0.0687	-0.0141	-0.0612
1344	11.9	11.4	3.1996	2.18	-0.0003	5.3793	-0.1016	0.0688	-0.0166	-0.0494
1345	12	11.4	3.1981	2.1802	-0.0004	5.3778	-0.0748	0.0619	-0.0198	-0.0328
1346	11.6	11.4	3.1975	2.1798	-0.0003	5.377	-0.0423	0.052	-0.0194	-0.0098
1347	11.5	11.4	3.1987	2.1798	-0.0005	5.378	-0.0068	0.0454	-0.019	0.0196
1348	11.1	11.4	3.1998	2.1797	-0.0006	5.3789	0.0186	0.0398	-0.0183	0.0401
1349	11.5	11.4	3.2009	2.1793	-0.0004	5.3797	0.0333	0.0385	-0.0183	0.0535
1350	11.3	11.3	3.2005	2.1795	-0.0003	5.3796	0.0478	0.0403	-0.0183	0.0698
1351	10.8	11.3	3.1986	2.1799	-0.0001	5.3784	0.0622	0.0382	-0.0192	0.0811
1352	10.9	11.3	3.1966	2.1805	-0.0005	5.3766	0.065	0.0351	-0.0186	0.0816
1353	11.3	11.3	3.1959	2.1808	-0.0005	5.3761	0.0429	0.0384	-0.0153	0.0661
1354	11.4	11.2	3.1958	2.1804	-0.0007	5.3755	0.0166	0.0419	-0.012	0.0465
1355	11.1	11.1	3.1953	2.1802	-0.0009	5.3745	0.019	0.0351	-0.0098	0.0443
1356	11.3	11.1	3.1938	2.18	-0.001	5.3728	0.0387	0.0393	-0.0082	0.0697
1357	11.1	11.1	3.191	2.1799	-0.0011	5.3698	0.0555	0.0405	-0.0089	0.0872
1358	10.9	11.1	3.1889	2.1796	-0.0012	5.3673	0.0746	0.0367	-0.0089	0.1025
1359	11	11.1	3.1876	2.1796	-0.0012	5.366	0.0723	0.0294	-0.0056	0.0961
1360	11.3	11	3.1865	2.1797	-0.0012	5.365	0.055	0.0301	-0.0041	0.0811

1361	10.9	11.1	3.1861	2.1798	-0.0013	5.3646	0.0225	0.0375	-0.0025	0.0575
1362	10.9	11.1	3.1857	2.1797	-0.0013	5.3641	-0.002	0.0422	0	0.0402
1363	10.9	11.1	3.1855	2.1797	-0.0018	5.3634	-0.0048	0.0439	-0.0016	0.0374
1364	10.9	11	3.1854	2.1793	-0.0018	5.3629	0.022	0.0425	-0.0043	0.0602
1365	11	11.1	3.1841	2.1789	-0.0018	5.3612	0.0453	0.0426	-0.0096	0.0783
1366	11.4	11.1	3.1841	2.1788	-0.0019	5.361	0.0687	0.0383	-0.0143	0.0927
1367	11.2	11.1	3.1846	2.1781	-0.0019	5.3608	0.0832	0.0372	-0.0123	0.1082
1368	10.8	11.2	3.1852	2.1785	-0.0017	5.362	0.1024	0.0405	-0.012	0.1309
1369	10.6	11.2	3.1876	2.1781	-0.0018	5.3639	0.1183	0.036	-0.0082	0.1461
1370	11.1	11.2	3.19	2.1775	-0.0019	5.3655	0.1018	0.0383	-0.0058	0.1343
1371	11.3	11.2	3.1912	2.1774	-0.0017	5.3668	0.0843	0.0487	-0.0094	0.1236
1372	10.9	11.2	3.1907	2.1778	-0.0014	5.367	0.0388	0.0636	-0.0106	0.0918
1373	11.3	11.2	3.1905	2.178	-0.0011	5.3674	0.0073	0.0711	-0.0134	0.065
1374	11.7	11.2	3.1935	2.1783	-0.0008	5.371	-0.0416	0.0727	-0.0139	0.0173
1375	11.7	11.2	3.1959	2.178	-0.0007	5.3732	-0.0831	0.0775	-0.0147	-0.0204
1376	11.4	11.2	3.1976	2.1775	-0.0004	5.3747	-0.0847	0.0782	-0.0174	-0.024
1377	12	11.1	3.1983	2.1776	0.0001	5.376	-0.0768	0.0794	-0.0144	-0.0118
1378	11	11.2	3.1988	2.1776	0	5.3764	-0.0636	0.0775	-0.0133	0.0005
1379	11.4	11.2	3.1982	2.1782	0.0002	5.3766	-0.0664	0.0758	-0.0103	-0.0008
1380	11.3	11.2	3.1985	2.179	0.0001	5.3776	-0.0468	0.0686	-0.0103	0.0115
1381	10.9	11.2	3.197	2.1793	0.0001	5.3764	-0.0271	0.0645	-0.0119	0.0255
1382	10.7	11.2	3.1959	2.1792	0	5.3751	-0.0259	0.0562	-0.0112	0.0191
1383	10.9	11.2	3.1976	2.1789	-0.0002	5.3764	-0.007	0.0508	-0.0157	0.0282
1384	11.1	11.2	3.2005	2.1783	-0.0001	5.3787	0.0067	0.0406	-0.0191	0.0282
1385	10.8	11.2	3.2015	2.1785	0.0003	5.3802	0.0069	0.0363	-0.0211	0.0221
1386	10.6	11.1	3.2016	2.1784	0.0003	5.3804	-0.0024	0.0275	-0.0173	0.0078
1387	11.4	11.1	3.202	2.1784	0.0003	5.3807	0.012	0.019	-0.0121	0.019
1388	11	11.1	3.2024	2.1788	0.0004	5.3816	0.0451	0.0168	-0.0079	0.054
1389	11	11	3.2019	2.1792	0.0005	5.3817	0.0836	0.0168	0.0022	0.1026
1390	11.2	11	3.2	2.1796	0.0003	5.3799	0.0953	0.0179	0.0091	0.1224
1391	11.5	11	3.1976	2.1801	0.0002	5.3779	0.1185	0.0316	0.0147	0.1648
1392	11.1	11.1	3.195	2.1802	0.0002	5.3754	0.1437	0.0366	0.0188	0.199
1393	11.3	11.1	3.1937	2.1801	0.0004	5.3742	0.1507	0.0458	0.0201	0.2165
1394	11.4	11.1	3.1923	2.1803	0.0006	5.3732	0.1601	0.0578	0.0225	0.2405
1395	10.8	11.1	3.1908	2.1804	0.0005	5.3717	0.1682	0.0669	0.0182	0.2532
1396	11.2	11.2	3.1895	2.1804	0.0005	5.3704	0.1442	0.0727	0.018	0.235
1397	11	11.2	3.1893	2.1802	0.0005	5.37	0.1017	0.072	0.0191	0.1928

1398	10.7	11.2	3.1893	2.1801	0.0005	5.3699	0.0886	0.0739	0.0198	0.1823
1399	10.7	11.3	3.1889	2.1803	0.0003	5.3695	0.0956	0.0776	0.0173	0.1905
1400	11.2	11.4	3.1886	2.1804	0.0002	5.3692	0.1006	0.0791	0.0155	0.1953
1401	11.2	11.4	3.1891	2.1802	0.0001	5.3693	0.0706	0.0851	0.0134	0.1691
1402	11.1	11.4	3.1905	2.1799	0.0002	5.3705	0.0364	0.0888	0.0171	0.1423
1403	11.6	11.4	3.1918	2.1795	0.0001	5.3715	0.0247	0.0913	0.015	0.1309
1404	11.3	11.4	3.1919	2.18	0	5.3719	0.0195	0.0937	0.0141	0.1273
1405	12.4	11.5	3.1913	2.1799	-0.0002	5.371	0.0134	0.097	0.0077	0.1181
1406	11.2	11.5	3.19	2.18	-0.0006	5.3694	-0.0105	0.1063	0.0022	0.098
1407	11.7	11.6	3.1892	2.18	-0.0008	5.3684	-0.033	0.1064	-0.0038	0.0696
1408	12.4	11.6	3.189	2.1796	-0.0009	5.3677	-0.0753	0.1036	-0.0038	0.0244
1409	12.1	11.7	3.1892	2.1791	-0.0008	5.3676	-0.101	0.0988	-0.0043	-0.0065
1410	12	11.7	3.1913	2.1785	-0.0008	5.369	-0.1113	0.0956	-0.0027	-0.0184
1411	11.6	11.7	3.1934	2.1783	-0.001	5.3707	-0.1311	0.0956	-0.004	-0.0395
1412	11.5	11.7	3.1939	2.178	-0.0011	5.3707	-0.135	0.1004	-0.0054	-0.04
1413	11.4	11.6	3.1933	2.1776	-0.001	5.3699	-0.1302	0.1006	-0.0056	-0.0352
1414	11.5	11.6	3.1914	2.1775	-0.0008	5.3681	-0.117	0.1025	-0.011	-0.0256
1415	11.9	11.6	3.1892	2.1773	-0.0005	5.3661	-0.1196	0.0999	-0.0111	-0.0308
1416	12.1	11.6	3.1878	2.1773	-0.0006	5.3645	-0.1388	0.1003	-0.0086	-0.0471
1417	11.8	11.6	3.1873	2.1767	-0.0005	5.3636	-0.153	0.0982	-0.0087	-0.0635
1418	11.8	11.5	3.1882	2.1765	-0.0006	5.3641	-0.1689	0.0926	-0.0103	-0.0866
1419	11.1	11.5	3.192	2.1765	-0.0008	5.3677	-0.1691	0.1008	-0.0115	-0.0798
1420	11.3	11.5	3.1949	2.1759	-0.0004	5.3704	-0.1376	0.0956	-0.0173	-0.0593
1421	11	11.4	3.199	2.1754	-0.0001	5.3743	-0.0992	0.0847	-0.0173	-0.0318
1422	11.2	11.4	3.2005	2.1753	0	5.3759	-0.082	0.0825	-0.0122	-0.0117
1423	11.1	11.4	3.2014	2.1752	0.0001	5.3767	-0.0706	0.087	-0.0136	0.0028
1424	11.3	11.4	3.201	2.1748	0.0001	5.3759	-0.0646	0.0888	-0.0133	0.0109
1425	11.5	11.4	3.1995	2.1745	0.0001	5.3742	-0.0346	0.0843	-0.0117	0.0379
1426	11.4	11.4	3.198	2.1746	0	5.3726	-0.0048	0.0728	-0.0089	0.0591
1427	11.4	11.4	3.1978	2.1747	-0.0001	5.3725	0.0189	0.0622	-0.0053	0.0757
1428	11.6	11.3	3.1991	2.1747	-0.0004	5.3734	0.0286	0.0607	-0.0002	0.0891
1429	11.2	11.3	3.1993	2.1749	-0.0006	5.3736	0.0394	0.0565	-0.0009	0.095
1430	11	11.3	3.1983	2.1746	-0.0008	5.3722	0.0358	0.0589	0.0003	0.095
1431	11.4	11.3	3.198	2.1749	-0.0007	5.3722	0.0435	0.0641	-0.0003	0.1074
1432	11.8	11.3	3.1961	2.1753	-0.0004	5.3711	0.0352	0.0626	-0.0018	0.096
1433	11.5	11.3	3.1949	2.176	-0.0005	5.3704	0.0454	0.0587	-0.0024	0.1016
1434	11.1	11.3	3.1925	2.1763	-0.0005	5.3682	0.0726	0.0479	-0.0009	0.1197

1435	11.8	11.3	3.1909	2.1763	-0.0007	5.3666	0.1178	0.0364	0.0007	0.155
1436	11.5	11.2	3.1894	2.1767	-0.0009	5.3651	0.1348	0.038	0.0054	0.1782
1437	11.3	11.3	3.1874	2.1767	-0.0012	5.3629	0.1379	0.0438	0.0058	0.1874
1438	10.8	11.3	3.186	2.1765	-0.0017	5.3609	0.1364	0.0465	0.0077	0.1907
1439	10.9	11.3	3.1855	2.176	-0.0018	5.3597	0.1424	0.0556	0.0114	0.2094
1440	11.3	11.4	3.1852	2.1752	-0.0019	5.3584	0.1347	0.0617	0.0104	0.2068
1441	11.3	11.4	3.1846	2.1748	-0.0021	5.3573	0.1186	0.0655	0.0053	0.1894
1442	11	11.3	3.1845	2.1742	-0.0022	5.3565	0.0941	0.0725	0.0047	0.1713
1443	10.6	11.3	3.1839	2.1735	-0.0024	5.3549	0.0609	0.0772	0.0067	0.1448
1444	11.1	11.3	3.1828	2.1733	-0.0021	5.354	0.0389	0.0772	0.0078	0.1239
1445	10.9	11.3	3.1836	2.1729	-0.0022	5.3543	0.0308	0.0807	0.0103	0.1217
1446	12.5	11.2	3.1874	2.1726	-0.0022	5.3577	0.0008	0.082	0.0092	0.092
1447	11.5	11.2	3.1899	2.1724	-0.0025	5.3598	-0.0098	0.0843	0.0064	0.0809
1448	12.2	11.2	3.1902	2.1719	-0.0023	5.3598	-0.0082	0.0804	0.0051	0.0773
1449	11.3	11.1	3.1908	2.1714	-0.002	5.3602	-0.0045	0.0775	0.0025	0.0755
1450	11.2	11.1	3.1934	2.1709	-0.0017	5.3627	-0.0124	0.079	0.0015	0.068
1451	11	11	3.195	2.171	-0.0018	5.3641	-0.0189	0.0787	0	0.0598
1452	11.1	10.9	3.1941	2.1714	-0.002	5.3635	-0.0305	0.0761	-0.0037	0.0419
1453	11.4	10.9	3.1939	2.1714	-0.0019	5.3634	-0.0286	0.074	-0.0038	0.0417
1454	11	10.8	3.1945	2.1707	-0.0015	5.3637	-0.0318	0.0662	-0.0069	0.0276
1455	10.5	10.8	3.1963	2.1695	-0.0011	5.3647	-0.05	0.0692	-0.01	0.0092
1456	10.4	10.6	3.1971	2.1694	-0.0006	5.3659	-0.0657	0.0671	-0.011	-0.0096
1457	10.7	10.5	3.1985	2.1695	-0.0007	5.3673	-0.0883	0.0697	-0.0152	-0.0338
1458	10.5	10.4	3.1989	2.1697	-0.0007	5.368	-0.1017	0.0683	-0.0172	-0.0505
1459	9.8	10.3	3.1987	2.1701	-0.0009	5.3679	-0.1042	0.0655	-0.0178	-0.0565
1460	9.92	10.2	3.1996	2.1702	-0.0008	5.369	-0.1002	0.059	-0.0167	-0.0578
1461	9.81	10.2	3.1996	2.1698	-0.0008	5.3686	-0.0842	0.0535	-0.0177	-0.0484
1462	10.1	10.1	3.1987	2.1697	-0.0008	5.3677	-0.0575	0.0511	-0.0191	-0.0255
1463	9.86	10	3.1972	2.1695	-0.0007	5.366	-0.0354	0.0476	-0.018	-0.0059
1464	9.75	9.95	3.1974	2.1693	-0.0007	5.366	-0.0448	0.0488	-0.0145	-0.0105
1465	9.89	9.94	3.198	2.1689	-0.0009	5.3659	-0.0741	0.0488	-0.0105	-0.0358
1466	9.49	9.93	3.1994	2.1689	-0.001	5.3673	-0.108	0.0479	-0.0076	-0.0677
1467	9.75	9.91	3.2015	2.1688	-0.0008	5.3695	-0.1281	0.0513	-0.0087	-0.0855
1468	9.8	9.91	3.2021	2.1684	-0.0005	5.37	-0.1293	0.0452	-0.0069	-0.091
1469	9.51	9.93	3.2014	2.1685	0	5.3698	-0.1045	0.0445	-0.0065	-0.0666
1470	9.54	9.92	3.1999	2.169	-0.0002	5.3687	-0.0351	0.0456	-0.0092	0.0013
1471	9.45	9.93	3.1994	2.1691	-0.0005	5.368	-0.0037	0.0393	-0.0049	0.0306

1472	10	9.91	3.1977	2.1691	0	5.3668	0.0406	0.0334	-0.0038	0.0703
1473	10.3	9.92	3.197	2.1691	0.0002	5.3663	0.0659	0.0323	-0.0052	0.093
1474	10.2	9.93	3.197	2.1698	0.0003	5.3672	0.0719	0.0321	-0.0062	0.0978
1475	10.3	9.93	3.1963	2.1708	0.0002	5.3673	0.0637	0.0292	-0.0061	0.0868
1476	10.2	9.98	3.1957	2.1713	0.0001	5.3672	0.056	0.027	-0.0055	0.0774
1477	10.6	9.99	3.1954	2.1715	0.0001	5.367	0.0479	0.0246	-0.0045	0.0679
1478	10.1	10	3.1948	2.172	0.0001	5.3669	0.0406	0.0273	-0.0035	0.0644
1479	9.66	10.1	3.1946	2.1723	0.0002	5.3671	0.0584	0.0262	-0.0051	0.0795
1480	10.1	10.1	3.1941	2.1726	0.0001	5.3669	0.0678	0.0282	-0.0081	0.0879
1481	9.85	10.2	3.1935	2.173	0.0003	5.3668	0.0613	0.0281	-0.0108	0.0785
1482	9.94	10.2	3.1914	2.1734	0.0002	5.365	0.0607	0.0299	-0.0104	0.0802
1483	10	10.2	3.1903	2.1742	-0.0001	5.3644	0.0365	0.0349	-0.0085	0.0629
1484	9.89	10.3	3.1887	2.1747	-0.0002	5.3632	0.025	0.0413	-0.0095	0.0568
1485	10.4	10.3	3.188	2.1746	-0.0003	5.3623	0.008	0.044	-0.008	0.044
1486	10	10.3	3.1878	2.1741	-0.0002	5.3617	0.0014	0.0441	-0.0095	0.0359
1487	10.3	10.4	3.1884	2.1738	-0.0005	5.3617	-0.0106	0.0474	-0.0131	0.0237
1488	10.8	10.4	3.1882	2.1732	-0.0007	5.3607	-0.022	0.0491	-0.0154	0.0117
1489	10.4	10.5	3.1885	2.173	-0.0005	5.361	-0.035	0.0482	-0.0196	-0.0063
1490	10.6	10.5	3.1881	2.1731	-0.0002	5.361	-0.0398	0.0432	-0.0219	-0.0185
1491	10.5	10.6	3.1882	2.1728	-0.0003	5.3608	-0.038	0.0355	-0.0243	-0.0268
1492	10.6	10.7	3.1889	2.1725	-0.0005	5.3609	-0.0429	0.0321	-0.0246	-0.0354
1493	10.8	10.7	3.1898	2.1724	-0.0004	5.3618	-0.0399	0.0275	-0.024	-0.0365
1494	11.1	10.8	3.1892	2.1723	-0.0004	5.361	-0.05	0.0226	-0.0264	-0.0538
1495	10.7	10.9	3.1907	2.1722	-0.0004	5.3625	-0.058	0.021	-0.022	-0.059
1496	11	10.9	3.1905	2.1719	-0.0001	5.3623	-0.0476	0.0175	-0.0226	-0.0527
1497	10.7	11	3.1901	2.1722	0	5.3623	-0.0131	0.018	-0.022	-0.0171
1498	10.8	11	3.1897	2.1724	0.0002	5.3623	0.0066	0.0162	-0.0243	-0.0014
1499	11.6	11.1	3.1901	2.1724	0.0002	5.3627	0.0113	0.0119	-0.0222	0.001
1500	11.1	11.2	3.1905	2.1725	0.0002	5.3633	0.031	0.0101	-0.0186	0.0224
1501	11.2	11.2	3.1921	2.1726	0.0004	5.3651	0.0656	0.008	-0.0178	0.0558
1502	11.1	11.2	3.1933	2.1725	0.0005	5.3663	0.0807	0.009	-0.0185	0.0712
1503	11.4	11.2	3.195	2.1729	0.0008	5.3687	0.0633	0.011	-0.0182	0.056
1504	11.5	11.2	3.1969	2.173	0.001	5.371	0.0644	0.009	-0.0192	0.0541
1505	11.3	11.2	3.1979	2.1732	0.0009	5.372	0.063	-0.0012	-0.0152	0.0466
1506	11.6	11.2	3.1989	2.173	0.0009	5.3728	0.0833	-0.0096	-0.0142	0.0595
1507	11.4	11.3	3.1993	2.1732	0.0009	5.3734	0.0972	-0.0114	-0.0072	0.0786
1508	11.3	11.3	3.1994	2.1731	0.0009	5.3734	0.1065	-0.0112	-0.0082	0.087

1509	12	11.4	3.1992	2.1732	0.0009	5.3734	0.1025	-0.0067	-0.0089	0.0869
1510	11.5	11.4	3.1997	2.1731	0.001	5.3738	0.1	-0.0015	-0.0094	0.089
1511	11	11.5	3.1991	2.1732	0.0009	5.3732	0.1034	0.0033	-0.0089	0.0977
1512	10.9	11.5	3.1974	2.1732	0.0007	5.3713	0.0986	-0.0022	-0.0105	0.0859
1513	10.9	11.5	3.1978	2.1727	0.0005	5.371	0.0908	-0.0033	-0.0112	0.0762
1514	10.8	11.6	3.1988	2.1726	0.0003	5.3717	0.0689	-0.0045	-0.011	0.0535
1515	11.1	11.6	3.2	2.1725	0.0003	5.3729	0.0598	-0.0039	-0.011	0.0448
1516	11.6	11.7	3.2006	2.1722	0.0003	5.373	0.0477	-0.0099	-0.0151	0.0227
1517	12	11.7	3.2003	2.1722	0.0002	5.3727	0.0409	-0.0068	-0.0172	0.0168
1518	12.3	11.7	3.1987	2.1721	0	5.3708	0.0371	-0.004	-0.0145	0.0186
1519	12.2	11.7	3.1955	2.1719	0.0002	5.3676	0.0433	-0.0101	-0.0114	0.0218
1520	12.1	11.8	3.1953	2.172	0.0001	5.3674	0.0282	-0.0039	-0.0053	0.019
1521	11.7	11.8	3.1949	2.172	0.0003	5.3672	0.0043	0.0014	-0.0063	-0.0006
1522	11.9	11.9	3.1939	2.1721	0.0005	5.3666	-0.005	0	-0.0096	-0.0146
1523	12.7	11.9	3.1942	2.172	0.0007	5.3669	-0.0304	0.0002	-0.0047	-0.0349
1524	12.3	12	3.1946	2.1719	0.0007	5.3673	-0.0424	0.0021	-0.0018	-0.0421
1525	12.4	12	3.1939	2.1718	0.0007	5.3664	-0.0334	0.0102	-0.0026	-0.0258
1526	11.5	12	3.1932	2.1721	0.0005	5.3658	-0.0418	0.0203	-0.0044	-0.0259
1527	12	12	3.1938	2.172	0.0003	5.366	-0.0482	0.0246	-0.0039	-0.0275
1528	12.4	11.9	3.1933	2.172	0.0001	5.3654	-0.0442	0.0238	-0.0043	-0.0246
1529	11.8	11.9	3.1925	2.1721	0.0002	5.3648	-0.0317	0.0308	-0.0042	-0.0052
1530	11.9	11.9	3.1922	2.1718	0.0003	5.3643	-0.0211	0.0345	-0.0008	0.0125
1531	11.9	11.8	3.1919	2.1719	0.0003	5.3642	-0.0211	0.0363	0.0011	0.0162
1532	11.6	11.8	3.1925	2.1719	0.0004	5.3648	-0.0084	0.0431	0.0026	0.0373
1533	11.9	11.8	3.1924	2.1719	0.0004	5.3647	0.0015	0.0476	0.0011	0.0502
1534	11.7	11.8	3.1917	2.1719	0.0003	5.3638	0.0008	0.0546	-0.0028	0.0525
1535	11.5	11.7	3.1908	2.1719	0.0003	5.363	-0.0218	0.0608	-0.0042	0.0347
1536	11.5	11.8	3.1904	2.1719	0.0004	5.3627	-0.0349	0.063	-0.0054	0.0227
1537	11.5	11.8	3.1896	2.1718	0.0003	5.3617	-0.0319	0.0566	-0.003	0.0217
1538	11.5	11.8	3.1895	2.1717	0.0003	5.3615	-0.0249	0.0586	-0.0047	0.029
1539	11.5	11.8	3.1895	2.1717	0.0004	5.3616	-0.0219	0.0566	-0.0075	0.0273
1540	11.5	11.7	3.189	2.1716	0.0005	5.3611	-0.0101	0.0524	-0.0053	0.037
1541	11.7	11.7	3.1889	2.1716	0.0004	5.3608	-0.0052	0.0526	-0.0005	0.047
1542	12	11.7	3.1885	2.1715	0.0002	5.3601	-0.0021	0.0523	-0.0013	0.0489
1543	11.5	11.7	3.1889	2.1712	0.0003	5.3603	0.0141	0.0513	-0.0029	0.0625
1544	12	11.7	3.1886	2.1712	0.0001	5.3599	0.0309	0.047	-0.0008	0.0771
1545	11.9	11.7	3.1884	2.1711	0.0001	5.3596	0.026	0.0462	-0.0041	0.0682

1546	12	11.7	3.1887	2.1708	0	5.3594	0.0401	0.0498	-0.0042	0.0857
1547	12.4	11.7	3.1892	2.1708	0	5.3599	0.0288	0.0513	0.0006	0.0807
1548	11.8	11.7	3.1891	2.1707	-0.0001	5.3597	0.0152	0.052	-0.0004	0.0669
1549	11.2	11.7	3.1877	2.1704	-0.0001	5.3579	0.0129	0.0557	-0.002	0.0666
1550	11.9	11.7	3.1869	2.1701	0.0001	5.3571	0.0223	0.0543	-0.002	0.0746
1551	11.4	11.7	3.1869	2.1701	0	5.357	0.0275	0.0561	-0.0019	0.0816
1552	12.1	11.7	3.1878	2.1703	-0.0002	5.3579	0.0473	0.0547	-0.0004	0.1016
1553	11.5	11.7	3.1875	2.1705	0	5.358	0.0584	0.0508	0.0005	0.1097
1554	11.3	11.6	3.1882	2.1708	0	5.359	0.0715	0.0547	0.003	0.1292
1555	11.3	11.5	3.188	2.1705	0.0003	5.3588	0.0915	0.0581	0.0072	0.1568
1556	11.2	11.5	3.1874	2.1705	0.0001	5.358	0.1006	0.0603	0.007	0.1679
1557	12.1	11.4	3.1879	2.1706	0.0001	5.3586	0.1202	0.0584	0.0063	0.1848
1558	11.9	11.4	3.1887	2.1704	0.0002	5.3593	0.1356	0.0616	0.006	0.2032
1559	11.8	11.4	3.1887	2.1702	0.0001	5.359	0.149	0.0608	0.0051	0.2149
1560	11.4	11.4	3.1893	2.1699	0.0001	5.3592	0.1457	0.068	0.005	0.2187
1561	11.1	11.4	3.1897	2.17	0.0003	5.36	0.1341	0.0643	0.0069	0.2053
1562	11.1	11.3	3.1897	2.17	0.0004	5.36	0.1214	0.0693	0.008	0.1987
1563	10.9	11.3	3.1903	2.1699	0.0004	5.3606	0.1048	0.0731	0.0045	0.1824
1564	11.1	11.3	3.1914	2.1697	0.0004	5.3615	0.1111	0.0625	0.0002	0.1738
1565	11.3	11.3	3.1932	2.1699	0.0006	5.3637	0.108	0.0611	0	0.169
1566	11.1	11.3	3.1953	2.1696	0.0007	5.3657	0.098	0.0625	-0.0004	0.1602
1567	11.3	11.2	3.1978	2.1692	0.0006	5.3676	0.0926	0.0591	-0.0001	0.1515
1568	11.6	11.2	3.1978	2.1695	0.0006	5.3678	0.086	0.0617	-0.0002	0.1476
1569	11	11.2	3.1985	2.1689	0.0005	5.3679	0.0729	0.0621	-0.0015	0.1335
1570	11.1	11.2	3.1995	2.1689	0.0004	5.3688	0.0271	0.0603	-0.0011	0.0862
1571	11	11.2	3.1998	2.1691	0.0005	5.3694	0.0121	0.0593	-0.0016	0.0699
1572	11	11.3	3.2008	2.1691	0.0004	5.3703	0.0142	0.0593	-0.0008	0.0728
1573	11.1	11.3	3.2012	2.1689	0.0004	5.3706	0.0169	0.058	-0.0011	0.0737
1574	11.1	11.3	3.2003	2.1688	0.0006	5.3697	0.0199	0.0572	0.0036	0.0807
1575	11.4	11.4	3.2005	2.1687	0.0006	5.3699	0.0129	0.0582	0.003	0.074
1576	11.3	11.4	3.2005	2.1688	0.0005	5.3699	0.0172	0.0581	0.0028	0.0781
1577	11.2	11.4	3.1998	2.1691	0.0006	5.3695	-0.0051	0.0627	-0.0009	0.0567
1578	12	11.5	3.198	2.1689	0.0005	5.3674	-0.0132	0.0645	-0.0017	0.0497
1579	11.5	11.5	3.1967	2.1689	0.0002	5.3659	-0.0076	0.063	-0.0018	0.0536
1580	11.4	11.6	3.1962	2.169	0	5.3652	-0.0002	0.0623	-0.0008	0.0613
1581	11.7	11.6	3.1943	2.1687	0	5.363	0.0082	0.0592	0.0005	0.0679
1582	11.5	11.7	3.1912	2.1686	0.0001	5.36	0.0101	0.0626	0.0025	0.0751

1583	12	11.7	3.1903	2.1687	0.0002	5.3592	0.0248	0.0618	0.0039	0.0904
1584	11.6	11.8	3.1909	2.1686	0.0002	5.3597	0.0311	0.063	0.0035	0.0976
1585	11.9	11.8	3.1915	2.1684	0.0002	5.3601	0.033	0.0645	0.0011	0.0986
1586	12	11.9	3.191	2.1684	0.0001	5.3595	0.0237	0.0653	0.0023	0.0914
1587	11.9	11.9	3.1909	2.1679	0	5.3587	0.0219	0.0653	0.0063	0.0935
1588	12.1	11.9	3.1904	2.1675	0	5.358	0.0284	0.0661	0.0052	0.0998
1589	11.9	11.9	3.1895	2.1678	0	5.3573	0.0329	0.0712	0.005	0.109
1590	12	11.9	3.1886	2.1678	-0.0002	5.3563	0.035	0.0727	0.0061	0.1138
1591	12.1	11.9	3.1884	2.1676	-0.0001	5.3559	0.0383	0.0697	0.009	0.117
1592	12.5	11.9	3.1875	2.1674	-0.0002	5.3546	0.0352	0.0729	0.0071	0.1153
1593	12.2	11.9	3.1867	2.1677	-0.0003	5.3541	0.0356	0.0709	0.0032	0.1097
1594	12.1	11.9	3.1866	2.1676	0	5.3542	0.0426	0.067	0.0039	0.1135
1595	11.9	11.9	3.1867	2.1672	0	5.3539	0.0533	0.0656	0.0048	0.1238
1596	11.7	11.9	3.1876	2.1668	-0.0002	5.3542	0.0523	0.0649	0.0056	0.1228
1597	11.8	11.9	3.1886	2.167	0	5.3556	0.0538	0.0652	0.0042	0.1231
1598	11.6	11.8	3.1884	2.1668	0.0004	5.3556	0.0587	0.0719	0.0019	0.1324
1599	11.3	11.8	3.1879	2.167	0.0004	5.3553	0.0416	0.077	-0.0016	0.117
1600	11.6	11.7	3.1877	2.1669	0.0004	5.3551	-0.0162	0.0747	-0.0031	0.0553
1601	11.6	11.6	3.1874	2.1671	0.0005	5.355	-0.0412	0.076	-0.0016	0.0331
1602	11.5	11.6	3.1875	2.1674	0.0005	5.3554	-0.0478	0.0722	-0.0017	0.0227
1603	12	11.5	3.1878	2.1674	0.0005	5.3558	-0.0421	0.0708	-0.0048	0.024
1604	11.8	11.5	3.1878	2.1672	0.0003	5.3553	-0.0464	0.0749	-0.003	0.0255
1605	11.9	11.5	3.1878	2.1672	0.0002	5.3552	-0.0466	0.0773	-0.002	0.0287
1606	11.7	11.5	3.1868	2.1672	0.0003	5.3543	-0.0505	0.077	0.0003	0.0268
1607	11	11.4	3.1858	2.167	0.0003	5.3531	-0.048	0.0759	0	0.0279
1608	11.2	11.4	3.1845	2.167	0.0004	5.3519	-0.025	0.0729	0.0002	0.0481
1609	10.9	11.4	3.1847	2.1664	0.0004	5.3515	-0.0018	0.0704	0.0011	0.0697
1610	10.8	11.4	3.1863	2.1667	0.0003	5.3533	0.004	0.068	0.0001	0.0721
1611	10.9	11.4	3.187	2.1663	0.0001	5.3534	0.016	0.0652	-0.0001	0.0812
1612	11.8	11.3	3.1869	2.1659	0.0002	5.3531	0.0208	0.0669	0.0015	0.0893
1613	11.7	11.3	3.1867	2.1664	0.0005	5.3536	0.0087	0.064	0.0033	0.0761
1614	11.4	11.3	3.188	2.1665	0.0003	5.3548	0.0169	0.0636	0.0064	0.0869
1615	11.4	11.2	3.1902	2.1663	0.0003	5.3568	0.0315	0.0633	0.0061	0.1009
1616	11.1	11.2	3.1913	2.1663	0.0003	5.3579	0.0456	0.0694	0.0049	0.1199
1617	10.9	11.3	3.1917	2.166	0.0002	5.3579	0.0634	0.0622	0.0029	0.1286
1618	11.3	11.3	3.1914	2.1658	0.0002	5.3574	0.089	0.0552	0.0041	0.1483
1619	11.4	11.4	3.1928	2.1659	0.0003	5.3589	0.0771	0.0597	0.0058	0.1426

1620	11.1	11.5	3.194	2.166	0.0003	5.3604	0.0895	0.0551	0.0035	0.148
1621	11.1	11.5	3.1935	2.1661	0.0004	5.36	0.1043	0.0557	0.0018	0.1617
1622	11.7	11.5	3.1923	2.1663	0.0007	5.3592	0.1149	0.0591	0.0051	0.179
1623	11.2	11.5	3.1922	2.1663	0.0003	5.3588	0.1304	0.061	0.0067	0.1981
1624	11.1	11.6	3.1934	2.1661	0.0004	5.3599	0.1381	0.0621	0.0073	0.2075
1625	11.6	11.6	3.1922	2.166	0.0004	5.3586	0.1173	0.0647	0.0084	0.1904
1626	11.8	11.6	3.1937	2.1658	0.0006	5.3601	0.1034	0.0699	0.0067	0.18
1627	12.3	11.7	3.1951	2.1655	0.0005	5.3611	0.1025	0.0733	0.0046	0.1804
1628	11.9	11.7	3.194	2.1657	0.0003	5.36	0.0977	0.077	0.0047	0.1794
1629	12.1	11.7	3.1925	2.1659	0.0003	5.3587	0.0655	0.0774	0.0059	0.1487
1630	12.3	11.7	3.1914	2.1659	0.0003	5.3575	0.0523	0.0806	0.0025	0.1354
1631	11.8	11.7	3.1909	2.1656	0.0001	5.3567	0.0473	0.0779	0.0002	0.1254
1632	11.8	11.7	3.19	2.1657	0.0001	5.3557	0.0186	0.0723	0.0009	0.0917
1633	11.9	11.8	3.1893	2.1656	0.0001	5.355	-0.0071	0.0735	0.0002	0.0665
1634	11.7	11.8	3.1884	2.1654	0.0002	5.354	-0.0039	0.0712	0.0022	0.0696
1635	11.5	11.8	3.1884	2.1654	0	5.3539	-0.0033	0.0712	0.0029	0.0709
1636	11.8	11.8	3.1882	2.1654	-0.0003	5.3534	0.0095	0.0682	0.0021	0.0798
1637	11.5	11.8	3.1868	2.1652	-0.0002	5.3518	0.0192	0.0688	0.0005	0.0885
1638	11.8	11.8	3.1862	2.1646	-0.0002	5.3506	0.0201	0.0654	0.0015	0.087
1639	11.3	11.8	3.186	2.1644	-0.0002	5.3502	0.018	0.0641	0.0025	0.0846
1640	11.6	11.8	3.1852	2.1646	-0.0004	5.3494	0.0137	0.0693	0.0033	0.0863
1641	11.8	11.9	3.1853	2.1643	-0.0003	5.3493	0.0066	0.0754	0.0024	0.0843
1642	11.7	11.8	3.1849	2.1644	-0.0001	5.3492	-0.0034	0.0812	0.0042	0.082
1643	11.8	11.8	3.1846	2.1645	-0.0001	5.349	-0.0111	0.0814	0.0034	0.0736
1644	12	11.8	3.1833	2.1646	-0.0004	5.3475	-0.0069	0.0878	0.0013	0.0822
1645	12.1	11.8	3.1832	2.1646	-0.0005	5.3473	-0.006	0.0883	0.0026	0.0849
1646	12	11.8	3.1833	2.1643	-0.0005	5.3471	0.0019	0.0913	0.002	0.0952
1647	12.3	11.8	3.1833	2.1636	-0.0002	5.3467	0.0076	0.0877	0.0001	0.0954
1648	12.3	11.8	3.1849	2.163	0	5.348	-0.0131	0.0881	0.0035	0.0786
1649	12.1	11.8	3.1893	2.1629	0.0002	5.3524	-0.0372	0.0944	0.0083	0.0654
1650	12.3	11.8	3.191	2.1626	0.0003	5.3538	-0.0749	0.1028	0.0087	0.0365
1651	11	11.8	3.1917	2.1629	0.0002	5.3548	-0.0896	0.103	0.0087	0.0221
1652	11.5	11.8	3.192	2.1632	0.0003	5.3555	-0.0953	0.1045	0.0082	0.0174
1653	11.7	11.7	3.1921	2.163	0.0003	5.3554	-0.0964	0.1066	0.0074	0.0177
1654	11.4	11.7	3.1929	2.1631	0.0002	5.3561	-0.0908	0.1067	0.0086	0.0246
1655	11.3	11.6	3.1931	2.1628	0.0003	5.3561	-0.0874	0.1066	0.0062	0.0254
1656	11.6	11.6	3.1922	2.1629	0.0001	5.3552	-0.0814	0.1082	0.0042	0.031

1657	11.8	11.5	3.1904	2.1633	0.0001	5.3538	-0.0937	0.109	0.0047	0.0201
1658	11.9	11.4	3.1889	2.1634	0.0001	5.3523	-0.1216	0.1038	0.0032	-0.0147
1659	11.8	11.4	3.1883	2.1634	0	5.3518	-0.1362	0.103	0.0019	-0.0313
1660	11.1	11.4	3.1877	2.1633	0.0001	5.3511	-0.1211	0.0982	0.003	-0.02
1661	11.4	11.4	3.1877	2.1633	0.0001	5.3511	-0.1007	0.0957	0.0011	-0.0039
1662	11.2	11.4	3.1888	2.1636	0	5.3524	-0.083	0.0892	0.0011	0.0073
1663	11.3	11.4	3.1886	2.1635	-0.0002	5.3519	-0.0715	0.0844	0.007	0.02
1664	11.1	11.4	3.1882	2.1634	-0.0002	5.3514	-0.0764	0.0925	0.0109	0.027
1665	11.1	11.4	3.1887	2.1629	0.0001	5.3517	-0.0657	0.098	0.0108	0.0431
1666	10.7	11.4	3.189	2.1634	0.0004	5.3528	-0.0346	0.1044	0.0124	0.0821
1667	11.2	11.4	3.1889	2.1637	0.0002	5.3528	-0.0138	0.1114	0.0133	0.1108
1668	11.5	11.3	3.19	2.1635	0	5.3535	0.0068	0.1109	0.0136	0.1312
1669	11.9	11.3	3.1896	2.1634	0.0001	5.3531	0.0156	0.1098	0.0161	0.1416
1670	11.3	11.3	3.189	2.1633	0.0002	5.3526	0.0341	0.1107	0.0184	0.1632
1671	11	11.3	3.1884	2.1632	0	5.3515	0.0649	0.1116	0.0165	0.1931
1672	11.2	11.3	3.1877	2.163	-0.0002	5.3504	0.0701	0.1129	0.0177	0.2007
1673	11.6	11.3	3.1874	2.1627	-0.0003	5.3498	0.0546	0.1187	0.0166	0.1899
1674	11.5	11.3	3.1886	2.1623	-0.0002	5.3507	0.0506	0.1181	0.0123	0.181
1675	11.2	11.4	3.1902	2.1618	-0.0001	5.3519	0.0547	0.1187	0.0151	0.1886
1676	11.7	11.4	3.1903	2.1615	0.0001	5.3519	0.0305	0.1233	0.0162	0.17
1677	11.4	11.5	3.19	2.1614	0.0001	5.3516	0.0117	0.1258	0.0176	0.1551
1678	11.1	11.5	3.1915	2.1611	-0.0001	5.3525	-0.0051	0.1291	0.0162	0.1402
1679	11.2	11.4	3.1915	2.1608	0	5.3523	-0.0418	0.1337	0.0164	0.1084
1680	11.5	11.4	3.1915	2.1612	0	5.3527	-0.0717	0.1383	0.016	0.0827
1681	11.2	11.4	3.1925	2.1615	-0.0001	5.3539	-0.0953	0.1371	0.0135	0.0553
1682	11.8	11.4	3.192	2.1613	0.0001	5.3533	-0.1007	0.1356	0.0109	0.0458
1683	11.7	11.4	3.1907	2.1616	0	5.3522	-0.1086	0.1348	0.0092	0.0354
1684	11.7	11.4	3.1912	2.1615	-0.0001	5.3526	-0.1185	0.133	0.0053	0.0198
1685	11.9	11.4	3.1905	2.1615	0	5.3521	-0.1258	0.1337	0.0015	0.0094
1686	11.9	11.3	3.1891	2.1615	0	5.3506	-0.1257	0.1331	-0.0015	0.0059
1687	11.3	11.3	3.1889	2.1614	-0.0001	5.3501	-0.1276	0.1263	-0.0056	-0.0069
1688	10.9	11.3	3.1886	2.1611	-0.0002	5.3495	-0.1251	0.1149	-0.005	-0.0152
1689	11	11.3	3.1881	2.1609	-0.0003	5.3487	-0.1228	0.1035	-0.0041	-0.0234
1690	10.8	11.3	3.188	2.1603	-0.0004	5.3479	-0.1308	0.0972	-0.0052	-0.0388
1691	11.2	11.3	3.1888	2.1595	-0.0006	5.3477	-0.1334	0.0943	-0.0065	-0.0456
1692	11	11.3	3.1886	2.1592	-0.0005	5.3473	-0.117	0.0916	-0.004	-0.0294
1693	11.7	11.3	3.1874	2.1589	-0.0004	5.3459	-0.1167	0.0951	-0.001	-0.0226

1694	11.1	11.3	3.1872	2.1588	-0.0003	5.3457	-0.1075	0.0986	-0.0018	-0.0108
1695	11.2	11.2	3.1865	2.1581	-0.0002	5.3444	-0.1051	0.1004	-0.0038	-0.0086
1696	11.4	11.2	3.1869	2.158	-0.0002	5.3447	-0.0952	0.1042	-0.0045	0.0045
1697	11	11.2	3.1899	2.1582	-0.0003	5.3478	-0.094	0.1014	-0.0046	0.0028
1698	11	11.2	3.1921	2.1574	-0.0004	5.3491	-0.0957	0.0958	-0.0016	-0.0015
1699	11.6	11.2	3.1954	2.1567	-0.0005	5.3516	-0.0788	0.0903	-0.0016	0.0099
1700	11.5	11.2	3.1967	2.1566	-0.0004	5.3529	-0.0416	0.0864	-0.0021	0.0428
1701	11.4	11.2	3.197	2.1567	-0.0004	5.3533	-0.0195	0.0825	0.0017	0.0646
1702	11.4	11.2	3.1971	2.1567	-0.0003	5.3536	-0.0103	0.0878	0.0051	0.0825
1703	11.2	11.2	3.1969	2.1568	-0.0004	5.3533	0.0031	0.0918	0.0041	0.099
1704	11.3	11.2	3.1965	2.1566	-0.0003	5.3527	0.0191	0.0884	0.0057	0.1131
1705	11.1	11.2	3.1959	2.1563	-0.0002	5.3521	0.0314	0.0914	0.0096	0.1324
1706	10.7	11.2	3.1962	2.1563	-0.0002	5.3523	0.0408	0.0923	0.0107	0.1437
1707	11.2	11.2	3.1979	2.1567	0	5.3546	0.0342	0.0952	0.0063	0.1357
1708	11.3	11.2	3.1981	2.1567	0.0002	5.355	0.0114	0.1025	0.0054	0.1193
1709	10.9	11.1	3.1968	2.1566	0.0001	5.3535	-0.0178	0.1076	0.0056	0.0953
1710	10.8	11.1	3.1964	2.1571	0.0002	5.3537	-0.0338	0.11	0.0061	0.0823
1711	11.4	11.1	3.1953	2.1573	0	5.3526	-0.0421	0.1079	0.0063	0.0721
1712	11.1	11.1	3.1941	2.1574	-0.0005	5.3511	-0.0417	0.1043	0.0075	0.0701
1713	11.3	11.1	3.1943	2.1572	-0.0006	5.3509	-0.0196	0.1094	0.0089	0.0987
1714	11	11.1	3.1946	2.1567	-0.0008	5.3505	-0.0063	0.1094	0.0057	0.1088
1715	11.1	11.1	3.1937	2.1559	-0.0009	5.3486	0.0104	0.11	0.004	0.1244
1716	10.8	11.1	3.1927	2.1551	-0.001	5.3468	0.0176	0.1183	0.0058	0.1417
1717	10.8	11.1	3.191	2.155	-0.0012	5.3448	0.0172	0.1213	0.0087	0.1472
1718	11.3	11.1	3.1898	2.1549	-0.0014	5.3433	-0.0114	0.1269	0.004	0.1195
1719	11.3	11.1	3.1894	2.1548	-0.0016	5.3426	-0.0211	0.1249	0.0031	0.1069
1720	11.4	11.1	3.1875	2.1549	-0.0013	5.3411	-0.0484	0.1244	0.0041	0.0801
1721	11	11.1	3.1865	2.1548	-0.0014	5.3399	-0.0719	0.1232	0.0041	0.0554
1722	11.3	11.1	3.1868	2.1544	-0.001	5.3402	-0.0927	0.121	0.0001	0.0284
1723	11.8	11.1	3.1871	2.1545	-0.0009	5.3407	-0.0983	0.1249	-0.0025	0.0242
1724	11	11.1	3.1879	2.1542	-0.0011	5.341	-0.0891	0.1244	-0.0015	0.0338
1725	10.7	11.1	3.1892	2.1537	-0.0012	5.3416	-0.064	0.1181	0.0002	0.0543
1726	11.2	11.1	3.1925	2.1533	-0.0012	5.3446	-0.035	0.1115	0.003	0.0795
1727	11.1	11.1	3.1956	2.1526	-0.0012	5.3471	-0.0134	0.1068	0.0062	0.0996
1728	10.7	11.1	3.1982	2.1524	-0.0013	5.3492	-0.004	0.1069	0.0062	0.109
1729	11	11.1	3.1997	2.152	-0.0013	5.3504	0.0062	0.1089	0.0043	0.1194
1730	11.3	11.1	3.2009	2.1522	-0.0011	5.352	-0.0109	0.1091	0.0068	0.105

1731	11	11.1	3.201	2.1521	-0.001	5.3521	-0.021	0.112	0.009	0.1
1732	10.5	11.1	3.2009	2.1522	-0.0009	5.3522	-0.0062	0.1126	0.0099	0.1164
1733	11.3	11	3.2011	2.1523	-0.0004	5.353	0.0118	0.1082	0.0094	0.1294
1734	11.3	11	3.201	2.1521	0	5.353	0.0206	0.11	0.006	0.1366
1735	11.1	11	3.201	2.1521	0.0002	5.3533	0.0467	0.1091	0.0066	0.1623
1736	10.9	11	3.201	2.1528	0.0003	5.3541	0.0484	0.1077	0.0087	0.1648
1737	11.4	11	3.1993	2.1537	0.0003	5.3533	0.0417	0.1086	0.0105	0.1608
1738	11.2	11	3.1985	2.1542	0.0002	5.3529	0.0425	0.107	0.0126	0.162
1739	11	11	3.1991	2.1547	0.0003	5.3541	0.0389	0.1073	0.0164	0.1625
1740	11	11	3.1985	2.1552	0.0002	5.354	0.0335	0.1087	0.0174	0.1595
1741	11.4	11	3.197	2.1551	0.0001	5.3522	0.0339	0.1048	0.0155	0.1542
1742	10.7	11	3.1966	2.1548	0	5.3514	0.042	0.1	0.0126	0.1546
1743	10.7	11.1	3.1953	2.1546	0	5.35	0.0397	0.1016	0.0102	0.1516
1744	11.1	11.1	3.1938	2.1546	0	5.3484	0.0307	0.0973	0.0119	0.1399
1745	10.7	11.1	3.1927	2.1542	0	5.3469	0.0286	0.099	0.015	0.1426
1746	10.9	11.1	3.1927	2.1541	0	5.3468	0.0027	0.0923	0.0162	0.1112
1747	11.2	11	3.1929	2.154	-0.0001	5.3468	0.0018	0.0963	0.0199	0.118
1748	10.7	11	3.1928	2.154	0.0002	5.347	0.0336	0.0981	0.0188	0.1505
1749	10.7	11	3.1935	2.1543	0.0004	5.3481	0.0538	0.0948	0.0177	0.1663
1750	11	11	3.193	2.1543	0.0001	5.3474	0.0894	0.0935	0.0162	0.1992
1751	11.4	11	3.1927	2.1541	-0.0003	5.3465	0.1071	0.0907	0.0128	0.2106
1752	11.7	11	3.1917	2.154	-0.0001	5.3456	0.1107	0.0919	0.0138	0.2164
1753	11.3	11	3.1902	2.1542	-0.0003	5.3441	0.1135	0.0935	0.015	0.222
1754	11	11	3.1897	2.1539	-0.0007	5.3429	0.1127	0.0951	0.014	0.2218
1755	10.8	11.1	3.189	2.1536	-0.0008	5.3417	0.1093	0.0938	0.0145	0.2177
1756	11	11.1	3.1887	2.1534	-0.0005	5.3416	0.1047	0.0925	0.0158	0.213
1757	10.9	11.1	3.1892	2.1531	-0.0004	5.3419	0.1087	0.093	0.0162	0.2179
1758	11.2	11.1	3.1907	2.1526	-0.0005	5.3428	0.1284	0.0979	0.0183	0.2446
1759	11.1	11.1	3.1917	2.1524	-0.0006	5.3435	0.1316	0.0994	0.0209	0.2518
1760	10.7	11.1	3.1919	2.1525	-0.0005	5.3439	0.1186	0.0996	0.0201	0.2383
1761	10.6	11.2	3.1918	2.1529	-0.0006	5.3441	0.1154	0.1063	0.0212	0.243
1762	11.5	11.2	3.1907	2.1527	-0.0009	5.3426	0.1045	0.1099	0.0194	0.2338
1763	11.2	11.2	3.1893	2.1526	-0.0008	5.3411	0.0918	0.1124	0.0144	0.2186
1764	11.4	11.2	3.1872	2.1524	-0.0006	5.339	0.0956	0.1108	0.0125	0.2189
1765	10.6	11.3	3.1869	2.1511	-0.0005	5.3375	0.0997	0.1065	0.011	0.2172
1766	11.7	11.3	3.1873	2.1513	-0.0005	5.3381	0.0902	0.0977	0.0097	0.1976
1767	10.9	11.3	3.19	2.151	-0.0002	5.3408	0.0798	0.09	0.0085	0.1783

1768	11.1	11.3	3.1922	2.151	-0.0003	5.3429	0.06	0.0892	0.0068	0.156
1769	11.6	11.3	3.1944	2.1509	-0.0003	5.3451	0.047	0.0891	0.0038	0.1398
1770	11.7	11.3	3.1962	2.151	-0.0002	5.347	0.0419	0.0894	0.0018	0.1332
1771	11.8	11.3	3.1976	2.1511	0	5.3487	0.0194	0.0916	0.0047	0.1156
1772	11.9	11.3	3.1976	2.1505	0	5.348	0.006	0.0918	0.0042	0.102
1773	11.5	11.3	3.1963	2.1503	-0.0002	5.3464	0.0103	0.0878	0.0092	0.1073
1774	11.7	11.3	3.195	2.1505	-0.0003	5.3453	0.0148	0.0901	0.0106	0.1154
1775	11.3	11.4	3.1937	2.1506	-0.0004	5.3439	0.0249	0.0877	0.008	0.1207
1776	11.4	11.3	3.1916	2.1508	-0.0005	5.3419	0.0422	0.0814	0.007	0.1306
1777	11	11.3	3.1904	2.1507	-0.0005	5.3407	0.0885	0.077	0.0075	0.1729
1778	11	11.3	3.1908	2.1503	-0.0005	5.3406	0.1315	0.0696	0.0076	0.2086
1779	10.9	11.3	3.1926	2.1499	-0.0007	5.3418	0.1693	0.0668	0.0053	0.2414
1780	11.2	11.4	3.1936	2.15	-0.0009	5.3427	0.1926	0.0632	0.0059	0.2617
1781	11.1	11.4	3.1931	2.1502	-0.0011	5.3422	0.2126	0.0663	0.009	0.288
1782	11.2	11.3	3.1908	2.1504	-0.0009	5.3404	0.2174	0.0656	0.0105	0.2935
1783	11.1	11.3	3.1886	2.1506	-0.0006	5.3385	0.2187	0.0683	0.0126	0.2996
1784	11.6	11.3	3.1865	2.1506	-0.0007	5.3364	0.2258	0.0708	0.0193	0.3159
1785	10.9	11.3	3.1857	2.1508	-0.0008	5.3356	0.2266	0.0682	0.0265	0.3213
1786	11.2	11.3	3.1849	2.1507	-0.001	5.3346	0.2307	0.0697	0.0294	0.3298
1787	11.3	11.4	3.1846	2.1507	-0.0014	5.3338	0.2344	0.0815	0.0316	0.3475
1788	11.6	11.4	3.1847	2.1504	-0.0018	5.3333	0.2106	0.0978	0.0321	0.3405
1789	11.8	11.4	3.1848	2.15	-0.0021	5.3327	0.2013	0.1079	0.0312	0.3404
1790	11.8	11.4	3.1846	2.1498	-0.002	5.3325	0.2145	0.1173	0.0332	0.365
1791	11.8	11.4	3.1846	2.1495	-0.0018	5.3322	0.2086	0.1274	0.0329	0.3689
1792	11.6	11.5	3.1846	2.1491	-0.0015	5.3321	0.1871	0.1285	0.0304	0.346
1793	11.1	11.5	3.1843	2.1492	-0.0016	5.3319	0.1827	0.1257	0.0297	0.3381
1794	11.6	11.6	3.1843	2.1489	-0.0018	5.3314	0.1641	0.1244	0.031	0.3194
1795	11.6	11.5	3.1862	2.1489	-0.0018	5.3333	0.1392	0.1258	0.0308	0.2957
1796	11.5	11.5	3.1867	2.1484	-0.0022	5.3329	0.1217	0.1211	0.0305	0.2734
1797	11.6	11.5	3.1865	2.1484	-0.0022	5.3327	0.1237	0.1217	0.0319	0.2773
1798	11.5	11.4	3.1868	2.1479	-0.0022	5.3325	0.1302	0.1214	0.0312	0.2828
1799	11.4	11.4	3.1864	2.1473	-0.0021	5.3317	0.1313	0.1235	0.0372	0.292
1800	11.2	11.2	3.186	2.1476	-0.0017	5.3318	0.1468	0.1314	0.0414	0.3195