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Supplement of

A Late Pleistocene sea level stack

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Age (ka)	PC1	Sigma	Bootstrap Results				
			2.50%	25%	50%	75%	97.50%
0	8.49	5.23	-1.72	0.06	2.78	7.06	17.93
1	7.63	4.87	-2.9	0	2.2	6.43	16.39
2	4.01	4.83	-4.51	-0.31	1.2	5.56	13.59
3	4.35	4.72	-6.93	-2.23	0	3.73	12.08
4	3.13	4.74	-10.43	-4.72	-1.48	0.96	8.41
5	0	4.57	-12.34	-6.22	-3.27	0	5.12
6	-4.01	5.04	-16.88	-9.4	-5.75	-2.12	0.62
7	-6.11	5.9	-22.41	-13.74	-9.48	-5.55	-0.39
8	-9.09	6.79	-28.86	-18.85	-14.07	-9.99	-2.96
9	-15.83	8.3	-37.35	-26.37	-20.6	-14.93	-5.22
10	-24.59	10.3	-50.17	-36.45	-29.96	-22.69	-9.89
11	-35.85	11.93	-63.99	-48.54	-41.44	-32.96	-17.59
12	-51.05	12.3	-76.8	-61.03	-53.34	-44.9	-28.6
13	-66.3	12.38	-89.53	-73.87	-65.86	-57.4	-39.9
14	-76.64	12.35	-100.98	-86.33	-78.37	-70.27	-53.14
15	-86.57	12.34	-111.08	-97.87	-89.7	-81.45	-61.67
16	-98.06	12.28	-119.52	-106.84	-99.5	-90.81	-70.64
17	-107.3	11.96	-125.43	-114.56	-108.08	-99.14	-77.7
18	-113.01	11.16	-129.44	-120.12	-114	-106.78	-84.14
19	-116.68	10.61	-131.87	-124.64	-119.1	-112.09	-89.61
20	-117.56	10.08	-134.08	-128.7	-123.18	-115.95	-95.64
21	-120.01	9.14	-134.42	-130.24	-126.9	-120.65	-99.63
22	-125.82	7.66	-134.52	-131.36	-128.81	-123.91	-106.07
23	-128.72	5.27	-134.73	-131.71	-129.63	-126.07	-113.3
24	-130	4.38	-134.58	-131.77	-129.79	-126.89	-118.09
25	-126.89	4.5	-134.18	-130.68	-128.3	-125.14	-116.35
26	-122.4	5.15	-133.23	-128.73	-125.53	-121.93	-113.54
27	-118.28	5.44	-130.83	-124.87	-121.49	-117.58	-109.88
28	-115.19	5.74	-126.93	-120.83	-117.02	-113.21	-105.25
29	-110.87	5.64	-123.11	-116.79	-113.29	-109.3	-100.95
30	-105.78	5.72	-119.56	-113.17	-109.74	-105.99	-97.59
31	-103.5	5.81	-115.83	-109.64	-106.1	-102.23	-93.16
32	-100.63	6.14	-113.45	-107.06	-103.47	-99.26	-89.89
33	-97.48	6.4	-112.63	-105.56	-101.97	-97.54	-87.9
34	-97.37	6.64	-113.54	-105.2	-101.21	-96.78	-87.15
35	-98.83	6.67	-112.65	-104.5	-100.23	-95.57	-85.72
36	-99.39	6.81	-112.85	-103.73	-99.2	-94.5	-85.29
37	-95.27	6.54	-112.21	-102.29	-97.55	-93.19	-85.74
38	-93.1	6.16	-109.47	-99.05	-94.91	-91.08	-84.17
39	-90.3	5.66	-102.83	-95.06	-91.2	-87.57	-81.14
40	-85.9	5.74	-98.89	-91.29	-87.35	-83.83	-76.15
41	-79.76	5.67	-94.67	-87.45	-83.28	-79.86	-72.62
42	-75.76	5.2	-90.5	-84.13	-80.53	-77.25	-70.82
43	-73.91	4.72	-86.67	-81.6	-78.42	-75.33	-68.74
44	-76.18	4.8	-86.65	-80.74	-77.67	-74.38	-67.68

45	-74.49	4.75	-85.47	-80.55	-77.21	-73.74	-67.24
46	-75.78	5.1	-87.56	-80.94	-77.86	-74.11	-67.52
47	-73.7	5.05	-87.1	-80.77	-77.55	-73.79	-67.3
48	-76.71	5.49	-86.89	-79.49	-76.08	-72.6	-65.61
49	-73.75	6.04	-84.42	-77.67	-73.73	-69.65	-61.64
50	-68.3	6.49	-84.91	-76.6	-72.8	-68.67	-58.55
51	-63.11	6.1	-82.32	-74.69	-70.99	-66.89	-58.02
52	-67.88	6.37	-81.7	-74.12	-70.17	-65.93	-57.24
53	-68.85	6.73	-82.99	-75.5	-71.09	-66.35	-55.98
54	-70.05	7.18	-87.88	-78.75	-74.32	-69.72	-58.82
55	-72.26	7.5	-91.66	-81.75	-77.36	-72.56	-60.95
56	-78.03	7.9	-95.37	-85.39	-80.41	-75.28	-63.04
57	-82.74	7.91	-96.96	-88.29	-83.27	-77.98	-65.22
58	-85.71	8.31	-99.32	-90.65	-85.92	-80.43	-66.11
59	-82.94	8.97	-101.54	-92.84	-87.67	-82.25	-65.19
60	-84.73	8.89	-101.4	-92.76	-87.78	-82.2	-66
61	-86.56	8.68	-100.68	-92.62	-87.85	-82.43	-63.69
62	-84.32	8.77	-101.28	-92.96	-88.13	-83.01	-65.01
63	-84.75	8.15	-100.11	-91.81	-87.53	-82.48	-66.5
64	-83.48	7.06	-97.89	-90.18	-86.17	-81.45	-69.28
65	-82.72	6.97	-97.61	-89.37	-84.46	-79.93	-70.76
66	-82.47	7.09	-95.62	-86.69	-81.94	-77.22	-68.69
67	-79.37	6.84	-92.04	-83.77	-79.7	-75.5	-64.64
68	-71.06	7.3	-88.56	-81.14	-76.54	-71.4	-60.46
69	-68.11	8.84	-85.22	-75.9	-70.08	-63.86	-51.15
70	-65.39	9.4	-79.2	-69.45	-63.63	-56.81	-42.67
71	-51.43	10.04	-75	-64.58	-58.15	-51.42	-35.42
72	-46.71	10.17	-69.63	-57.88	-51.58	-44.1	-29.21
73	-43.84	9.97	-63.09	-51.28	-44.45	-37.86	-23.31
74	-36.18	9.68	-58.1	-47.43	-40.96	-34.26	-21.24
75	-33.06	9.11	-54.25	-42.95	-36.46	-30.73	-18.43
76	-31.58	8.27	-48.54	-39.51	-33.85	-28.46	-16.13
77	-27.69	8.14	-47.93	-38.6	-33.13	-27.59	-16.5
78	-28.8	7.77	-47.08	-37.97	-32.14	-27.28	-16.64
79	-32.95	7.26	-46.29	-37.77	-32.56	-27.56	-18.08
80	-30.85	6.98	-46.3	-38.02	-33.5	-28.44	-19.38
81	-31.36	7.63	-47.64	-38.24	-33.61	-28.07	-17.23
82	-29.64	8.01	-47.38	-38.64	-33.56	-27.89	-15.87
83	-25.57	8.5	-47.98	-38.58	-33.16	-27.16	-14.51
84	-30.66	8.78	-49.34	-40.02	-34.78	-28.22	-14.48
85	-29.99	9.31	-51.51	-42.93	-37.64	-30.82	-15.62
86	-38.77	9.49	-56.47	-46.83	-41.11	-34.96	-18.08
87	-43.09	9.38	-58.24	-49.26	-43.74	-37.19	-20.89
88	-46.6	8.91	-59.96	-51.62	-46.51	-40.18	-25.72
89	-43.44	8.46	-60.47	-51.64	-46.78	-40.97	-28.6
90	-43.63	7.86	-59.49	-50.78	-46.3	-40.72	-28.89
91	-40.3	7.57	-57.19	-49.58	-45.75	-40.52	-27.2

92	-41.67	7.59	-56.66	-49.31	-44.98	-39.88	-26.28
93	-42.16	6.86	-53.77	-46.74	-42.86	-38.34	-27.85
94	-40.52	6.68	-52.39	-44.54	-40.29	-35.78	-26.54
95	-34.24	7.47	-50.8	-41.2	-36.66	-31.1	-21.52
96	-27.74	7.82	-47.5	-37.22	-32.29	-26.85	-16.22
97	-22.19	7.77	-42.02	-32.46	-27.12	-21.71	-11.02
98	-21.19	7.38	-38.21	-28.92	-24.2	-19.16	-9.82
99	-17.26	6.77	-35.67	-27.03	-22.32	-17.8	-9.34
100	-19.49	7.09	-36.28	-27.51	-22.77	-17.55	-9.29
101	-17.72	7.5	-37.95	-29.52	-24.66	-18.94	-9.32
102	-25.03	7.58	-40.61	-32.72	-28	-22.28	-10.86
103	-29.47	7.36	-43.31	-35.2	-31.22	-25.82	-14.15
104	-31.71	6.23	-47.08	-39.33	-35.22	-30.99	-22.42
105	-34.36	6.23	-51.67	-43.15	-38.95	-34.95	-27
106	-40.33	5.91	-53.53	-45.82	-41.91	-37.89	-30.24
107	-45.01	5.84	-56.12	-48.71	-44.78	-40.67	-33.4
108	-44.48	5.71	-58.2	-51	-47.28	-42.92	-36.24
109	-45.95	5.85	-59.78	-52.37	-48.42	-44.37	-37.21
110	-46.36	5.75	-58.82	-51.93	-48.33	-44.09	-35.63
111	-47.08	6.09	-57.92	-51.08	-47.38	-42.93	-34.02
112	-43.18	6.7	-57.09	-49.23	-44.94	-40.58	-29.37
113	-38.93	7.92	-55.23	-46.16	-40.87	-35.68	-23.47
114	-33.84	8.71	-52.11	-41.81	-36.14	-30.32	-17.24
115	-26.17	9.45	-48.38	-36.49	-30.33	-24.09	-10.53
116	-22.5	9.57	-44.07	-29.48	-23.74	-17.35	-4.55
117	-14.09	9.32	-38.52	-23.36	-17.35	-12.11	-0.28
118	-7.56	9.65	-33.23	-17.64	-11.88	-5.92	5.2
119	-4	9.15	-25.34	-12.19	-6.83	-0.92	11.96
120	2.68	8.61	-20.11	-9	-3.73	2.23	13.96
121	3.13	8.04	-16.66	-7.07	-2.31	3.52	14.85
122	2.27	7.48	-16.48	-6.04	-1.37	3.44	14.31
123	1.2	7.72	-18.3	-8.1	-3.35	1.76	11.66
124	-1.18	7.99	-23.61	-11.52	-6.28	-1.15	7.96
125	-6.65	9.21	-32.76	-18.1	-11.68	-5.96	3.82
126	-12.72	10.54	-42.73	-26.53	-18.75	-12.53	-1.38
127	-27.1	12.33	-57.04	-37.36	-28.83	-21.14	-8.26
128	-36.13	14.35	-73.57	-52.24	-42.87	-33.05	-15.92
129	-52.95	15.22	-87.96	-67.36	-56.62	-46.42	-27.15
130	-73.72	16.05	-103.29	-82.63	-71.44	-60.9	-40.2
131	-82.93	15.15	-117.04	-98.46	-88.1	-77.89	-58.22
132	-102.14	13.62	-126.92	-110.98	-101.88	-92.27	-75.11
133	-114.38	11.96	-132.62	-119.7	-111.55	-103.14	-86.55
134	-120.26	9.69	-137.19	-125.8	-119.76	-113.13	-98.98
135	-123.76	8.33	-139.42	-129.57	-123.98	-118.07	-106.97
136	-123.95	7.89	-140.25	-130.79	-125.3	-120.17	-109.67
137	-123.61	7.89	-140.8	-130.68	-125.57	-120.11	-109.74
138	-122.72	7.99	-140.44	-129.97	-124.68	-119.22	-108.75

139	-120.94	8.16	-138.39	-127.79	-122.63	-116.85	-106.21
140	-118.88	8.2	-135.75	-125.28	-120.03	-114.41	-103.44
141	-113.45	8.21	-131.84	-122.39	-116.8	-111.18	-100.51
142	-110.78	8.29	-128.79	-118.53	-112.87	-107.54	-96.54
143	-106.75	8.15	-124.16	-114.8	-109.6	-103.99	-93.07
144	-102.4	8.25	-122.01	-112.35	-106.85	-101.29	-89.94
145	-100.34	8.37	-119.96	-109.97	-104.54	-98.72	-87.28
146	-100.71	8.59	-118.42	-108.22	-103.03	-96.5	-84.49
147	-99.52	8.79	-117.05	-107.36	-102.08	-95.39	-83.15
148	-99.18	9.39	-116.17	-106.02	-100.23	-93.34	-80.07
149	-96.94	9.97	-115.26	-103.92	-97.9	-90.54	-76.2
150	-90.79	10.67	-113.37	-102.05	-95.01	-87.4	-71.82
151	-86.92	11.06	-111.4	-99.12	-92.24	-83.85	-68.1
152	-85.9	11.34	-110.22	-96.86	-89.58	-81.43	-66.06
153	-85.22	11.65	-110.45	-97.3	-89.2	-80.84	-64.99
154	-86.91	11.83	-111.48	-98.44	-90.64	-82.45	-65.21
155	-89.71	11.76	-112.73	-99.79	-91.96	-83.92	-66.29
156	-92.51	11.48	-113.12	-100.42	-92.67	-84.86	-67.92
157	-92.67	11.16	-113.7	-100.61	-93.05	-85.37	-69.1
158	-88.91	10.91	-113.41	-99.72	-92.28	-85.38	-69.99
159	-87.94	10.66	-111.3	-98.16	-90.87	-83.71	-69.84
160	-86.95	10.45	-107.26	-95.19	-88.21	-80.59	-68.12
161	-85.29	10.52	-105.8	-92.69	-85.6	-78.44	-65.74
162	-78.74	10.6	-102.72	-90.32	-82.85	-75.54	-61.83
163	-77.08	10.76	-99.81	-86.67	-79.8	-72.56	-58.32
164	-74.42	10.78	-95.44	-83.01	-75.6	-68.42	-53.52
165	-71.66	10.86	-93.59	-79.24	-72.12	-64.79	-49.49
166	-65.29	10.33	-89.4	-76.25	-69.31	-62.31	-48.42
167	-61.69	9.94	-85.89	-72.48	-65.66	-59.57	-46.43
168	-61.52	9.69	-81.74	-69.19	-62.71	-56.22	-43.66
169	-58.16	9.47	-79.33	-67.77	-61.54	-54.97	-42.17
170	-55.34	9.17	-78.42	-67.77	-62.19	-56.07	-41.44
171	-57.68	8.82	-77.29	-68.06	-62.28	-56.49	-42.28
172	-64.45	8.71	-77.05	-68.55	-63.67	-57.32	-43.49
173	-63.15	8.51	-78.23	-70.04	-64.78	-58.48	-45.47
174	-62.14	8.69	-80.7	-71.67	-66.18	-60.24	-46.37
175	-61.42	8.85	-80.24	-71.57	-65.43	-59.77	-45.66
176	-63.68	9.14	-82.02	-72.06	-66.06	-59.79	-45.79
177	-62.61	9.6	-83.68	-73.85	-67.49	-60.26	-46.73
178	-66.03	9.64	-85.56	-74.81	-68.69	-61.61	-48.19
179	-68.55	9.63	-86.44	-75.59	-69.38	-62.33	-49.27
180	-68.12	9.68	-88.3	-77.06	-70.72	-63.29	-50.86
181	-68.54	9.97	-89.62	-78	-71.39	-64.11	-51.12
182	-68.59	9.78	-89.92	-78.07	-71.76	-64.75	-51.76
183	-68.86	9.53	-90.08	-78.67	-72.54	-64.68	-52.43
184	-70.31	9.51	-89.26	-78.19	-72.09	-65.05	-52.66
185	-71.5	9.33	-87.58	-77.45	-71.15	-64.56	-52.5

186	-67.51	8.85	-84.5	-75.22	-68.79	-62.88	-51.87
187	-64.13	8.55	-82.3	-71.93	-65.89	-59.94	-50.01
188	-58.98	8.27	-77.78	-67.62	-61.36	-55.92	-46.09
189	-55.74	8.01	-72.75	-62.73	-57.1	-51.35	-42.15
190	-50.97	8.16	-67.22	-57.6	-52.01	-46.21	-35.52
191	-44.91	8.28	-63.42	-52.64	-46.74	-41.06	-30.9
192	-37.3	7.61	-57.51	-47.6	-42.3	-37.11	-27.61
193	-32.83	7.39	-52.64	-42.17	-37.25	-32.37	-22.84
194	-32.43	7.44	-47.73	-37.17	-32.42	-27.43	-18.33
195	-26.14	8.12	-43.23	-33.18	-28.05	-22.88	-11.59
196	-21.7	8.7	-40.12	-28.89	-24.05	-18.31	-5.12
197	-13.48	8.23	-33.94	-24.26	-19.2	-13.25	-1.05
198	-10.09	7.57	-29.94	-20.77	-15.88	-11.08	-1.05
199	-7.72	7.42	-30.57	-20.34	-15.46	-10.63	-1.53
200	-11.24	7.13	-31.15	-21.22	-16.63	-12.39	-2.01
201	-19.54	7.77	-34.84	-24.52	-19.6	-14.38	-3.75
202	-21.5	7.83	-37.32	-28.16	-23.02	-17.6	-6.2
203	-26.54	8.11	-38.42	-29.03	-23.74	-18.29	-6.62
204	-23.73	8.69	-36.98	-28.07	-21.98	-16.31	-3.55
205	-14.39	9.93	-37.8	-27.66	-20.83	-14.15	1.82
206	-9.84	10.21	-36.75	-23.61	-17.29	-10.41	4.99
207	-14.1	10.51	-33.07	-21.26	-13.94	-6.62	6.94
208	-10.13	11.06	-33.91	-21.32	-13.7	-5.44	8.75
209	-10.6	11.02	-36.1	-20.97	-13.9	-6.54	8.31
210	-11.47	10.71	-32.76	-19.24	-12.81	-5.59	9.33
211	-9.45	10.92	-32.57	-18.72	-11.89	-4.64	10.22
212	-7.38	10.99	-32.48	-18.05	-11.21	-3.82	11.61
213	-6.78	10.76	-31.36	-17.67	-10.85	-3.19	10.74
214	-7.05	10.24	-31.51	-18.03	-11.46	-4.62	9.5
215	-9.18	10.12	-34.08	-21.34	-14.51	-7.75	5.23
216	-13.1	10	-38.83	-25.91	-18.8	-12.53	0.74
217	-23.51	10.25	-45.06	-32.1	-24.78	-17.92	-3.7
218	-29.26	10.72	-53.69	-40.67	-33.2	-25.52	-11.56
219	-36.81	11.23	-64.27	-50.38	-42.7	-35.43	-20.7
220	-49.33	11.33	-71.72	-59.04	-51.42	-43.59	-28.9
221	-61.75	11.26	-80.17	-68.19	-60.18	-52.19	-37.15
222	-67.03	9.92	-84.7	-74.38	-67.77	-60.64	-45.94
223	-73.68	9.27	-88.74	-78.82	-72.81	-66.19	-51.96
224	-72.15	8.69	-89.32	-80.54	-74.72	-68.48	-55.76
225	-74.35	8.04	-89.03	-79.86	-74.2	-68.83	-57.44
226	-70.68	7.46	-86.16	-77.73	-72.39	-67.26	-56.76
227	-66.88	7.29	-84.73	-75.81	-70.96	-65.97	-56.14
228	-65.45	6.79	-80.39	-72.38	-67.78	-63.57	-53.85
229	-65.06	6.97	-76.6	-68.81	-64.22	-59.75	-48.78
230	-59.11	8.12	-73.94	-64.87	-59.37	-53.77	-43
231	-51.45	9.5	-71.41	-58.9	-52.69	-45.64	-34.05
232	-41.76	9.78	-64.11	-51.6	-44.77	-37.84	-25.49

233	-31.59	9.65	-55.79	-43.96	-37.27	-30.48	-18.92
234	-26.47	9.23	-48.17	-36.1	-29.79	-23.28	-12.27
235	-21.38	9.05	-41.7	-29.15	-23.3	-17.11	-6.3
236	-15.03	8.65	-38.02	-25.5	-19.98	-14.2	-3.4
237	-9.44	7.89	-36.19	-24	-18.82	-14.06	-4.69
238	-14.82	7.64	-36.23	-25.13	-19.85	-14.54	-6.94
239	-21.09	8.31	-42.1	-29.32	-23.48	-18.19	-9.7
240	-26.31	9.54	-51.68	-36.86	-30.29	-24.12	-14.84
241	-35.14	11.06	-62.85	-45.45	-37.51	-30.9	-19.38
242	-44.9	11.35	-70.17	-53.4	-46.01	-38.14	-25.03
243	-53.72	13.94	-78.84	-61.65	-53.41	-44.25	-22.33
244	-58.16	14.8	-86.18	-70.12	-61.61	-52.43	-28.82
245	-54.47	15.51	-94.02	-77.6	-68.69	-57.82	-31.75
246	-73.1	15.29	-99.84	-83.2	-74.67	-65.07	-33.85
247	-80.67	15.9	-103.93	-89.06	-80.38	-70.73	-44.67
248	-86.71	11.84	-108.53	-94.7	-87.12	-78.86	-63.57
249	-88.3	11.47	-113.32	-98.97	-91.62	-83.46	-67.55
250	-91.78	11.89	-116.99	-101.83	-94.38	-86.35	-70.79
251	-94.31	12.64	-121.22	-103.67	-96.01	-87.71	-71.6
252	-94.5	13.98	-124.4	-105.21	-96.7	-87.68	-69.21
253	-95.65	15.37	-125.79	-105.39	-96.4	-86.01	-66.56
254	-91.97	15.42	-125.08	-104.43	-95.37	-85.46	-65
255	-86.9	15	-122.85	-103.13	-94.47	-85.29	-62.25
256	-90.3	14.86	-120.89	-101.98	-94.4	-85.32	-58.5
257	-93.53	13.45	-115.4	-100.68	-93.81	-86.51	-63.22
258	-93.71	9.74	-110.67	-98.27	-92.25	-85.94	-72.6
259	-89.89	8.38	-105.76	-95.82	-90.12	-84.67	-73.2
260	-81.06	8.34	-102.07	-92.5	-87.18	-81.48	-69.33
261	-78.3	8.1	-97.55	-88.58	-83.77	-78.02	-64.74
262	-77.68	7.99	-95.22	-87.39	-82.82	-77.8	-63.24
263	-77.5	7.75	-95.57	-87.95	-83.39	-78.16	-64.72
264	-85.38	7.98	-96.3	-89.19	-84.69	-79.39	-65.2
265	-84.54	8.57	-97.51	-90.74	-86.76	-80.33	-63.91
266	-82.09	8.24	-100.42	-93.88	-89.38	-83.56	-66.92
267	-82.77	8.23	-102.76	-95.33	-91.3	-85.41	-69.7
268	-93.08	8.29	-105.22	-98.08	-93.75	-88.36	-71.69
269	-97.2	8.13	-105.72	-99.81	-95.75	-90.44	-74.37
270	-98.21	7.59	-106.96	-99.44	-94.95	-90.25	-76.66
271	-89.95	8.74	-106.36	-97.14	-91.75	-85.4	-72.7
272	-80.22	8.89	-103.98	-92.51	-86.67	-80.75	-68.03
273	-76.12	9.05	-95.65	-86.06	-80.67	-74.51	-60.21
274	-74.38	10.08	-90.81	-81.53	-75.63	-68.06	-51.7
275	-67.56	10.91	-87.92	-77.67	-70.75	-62.98	-45.78
276	-61.85	11.39	-85.09	-73.26	-66.07	-57.79	-39.84
277	-56.75	11.7	-81.33	-68.29	-60.78	-52.68	-35.27
278	-53.52	11.69	-76.99	-64.02	-56.39	-47.92	-30.72
279	-50.13	11.32	-72.06	-59.28	-51.86	-44	-28.17

280	-46.06	10.87	-68.1	-55.39	-47.69	-40.46	-25.86
281	-39.89	10.49	-64.17	-51.93	-44.55	-37.16	-24.11
282	-37.94	10.12	-60.7	-48.22	-41.57	-34.25	-20.73
283	-36.69	9.61	-57.69	-45.91	-39.53	-33.12	-19.92
284	-35.06	9.13	-57.35	-45.07	-38.93	-32.75	-20.51
285	-35.22	8.91	-57.53	-45.57	-39.15	-33	-22.68
286	-36.57	8.56	-57.52	-46.42	-40.75	-34.57	-23.9
287	-37.85	8.06	-58.54	-49.69	-44.45	-38.54	-27.87
288	-42.69	7.5	-61.7	-53.22	-48.14	-43.41	-32.08
289	-51.85	6.73	-65.11	-56.74	-52.49	-48.04	-38.34
290	-56.69	5.79	-67.24	-59.6	-56.17	-52.35	-43.98
291	-58.53	5.45	-68.42	-61.9	-58.71	-55.26	-45.73
292	-56.55	6.25	-69.2	-62.59	-58.84	-54.91	-43.86
293	-54.88	7.04	-69.64	-62.13	-57.86	-53.4	-41.51
294	-53.23	7.88	-69.59	-61.07	-56	-50.99	-38.94
295	-52.4	8.67	-69.62	-59.81	-54.62	-48.6	-36.37
296	-48.95	9.48	-69.27	-59.17	-53.07	-46.76	-31.55
297	-48.35	10.18	-68.92	-57.93	-51.17	-44.51	-29.19
298	-47.6	10.68	-68.21	-55.55	-49.56	-41.94	-26.13
299	-45.33	10.85	-67.89	-54	-47.24	-40.05	-23.81
300	-42.88	10.97	-65.95	-51.87	-45.24	-38.05	-22.3
301	-39.59	11.07	-62.9	-49.3	-42.45	-35.29	-19.17
302	-38.01	11.11	-61.01	-47.15	-40.66	-33.31	-16.17
303	-33.06	11.36	-59.05	-47.03	-39.81	-32.79	-13.66
304	-35.35	11.39	-57.74	-46.35	-38.83	-32.21	-13.53
305	-39.42	11.35	-56.45	-44.43	-37.8	-30.31	-11.93
306	-35.78	11.62	-56.32	-44.48	-37.7	-29.91	-10.9
307	-30.55	11.97	-56.58	-43.07	-36.2	-28.35	-9.17
308	-31.07	11.69	-53.72	-39.64	-33.07	-25.66	-6.86
309	-27.9	11.35	-49.42	-37.11	-30.33	-23.29	-4.7
310	-24.1	11.5	-47.32	-35.85	-28.71	-21.4	-2.16
311	-22.22	11.34	-44.13	-33.4	-26.23	-18.78	-0.47
312	-21.88	11.5	-41.69	-30.04	-22.79	-15.37	2.81
313	-18.42	11.79	-39.75	-28.18	-20.59	-12.76	5.31
314	-12.39	11.84	-37.87	-25.52	-17.91	-10.28	8.08
315	-12.12	11.74	-36.81	-22.74	-15.56	-7.98	9.2
316	-9.85	11.38	-34.64	-21.02	-13.71	-6.62	11.03
317	-10.45	11.21	-33.84	-20.57	-13.19	-6.12	10.57
318	-10.88	10.65	-33.02	-19.83	-12.42	-5.69	9.32
319	-11.31	10.57	-32.95	-19.11	-11.78	-4.95	8.94
320	-8.44	10.89	-32.93	-17.92	-10.2	-2.93	9.94
321	-6.92	11.43	-32.43	-16.51	-8.21	-0.92	12.01
322	-2.51	11.42	-31.39	-14.51	-6.56	1	14.09
323	-0.71	11.56	-30.6	-13.78	-6.11	1.69	14.09
324	-2.6	11.63	-31.24	-14.06	-6.19	1.56	15.55
325	-7.77	11.33	-31.62	-13.95	-6.41	0.84	13.45
326	-7.75	10.74	-32.07	-13.95	-6.31	0.52	12.16

327	-3.06	10.95	-31.6	-14.03	-6.49	0.21	12.43
328	-0.61	11.34	-31.93	-14.44	-6.51	1.11	13.74
329	-1.75	12.28	-36.17	-16.47	-8.13	-0.31	13.26
330	-6.91	14.31	-43.22	-24.7	-14.93	-4.91	11.35
331	-16.42	14.71	-50.72	-32.24	-22.47	-12.09	7.66
332	-34.02	15.01	-59.96	-41.6	-31.16	-21.32	-2.48
333	-36.93	14.93	-70.56	-52.26	-42.09	-32.57	-12.17
334	-48.06	14.72	-81.97	-63.01	-53.28	-43.87	-22.33
335	-58.42	15.56	-91.03	-73.54	-63.59	-52.88	-29.64
336	-74.42	15.43	-99.04	-84.2	-74.83	-64.84	-37.25
337	-85.7	13.57	-105.56	-92.14	-83.87	-75.61	-50.24
338	-91.22	10.66	-111.45	-97.98	-91.02	-84.04	-70.11
339	-93.28	9.94	-115.29	-103.47	-97.17	-89.91	-76.44
340	-96.85	9.92	-118.92	-107.96	-101.38	-94.48	-80.68
341	-103.88	10.14	-122.21	-111.55	-104.5	-97.6	-82.82
342	-108.11	10.24	-124.95	-114.67	-108.09	-100.73	-84.19
343	-108.58	9.81	-126.14	-116.8	-110.37	-103.74	-87.27
344	-108.8	9.8	-126.25	-116.99	-110.95	-104.1	-88.11
345	-109.04	9.73	-126.09	-116.1	-109.88	-103.33	-88.15
346	-105.84	9.4	-124.52	-114.7	-108.79	-102.09	-87.98
347	-103.3	8.87	-122.26	-112.44	-107.26	-100.91	-87.03
348	-102.66	7.97	-119.25	-109.11	-104.25	-98.93	-86.87
349	-101.03	7.71	-116.23	-106	-100.87	-95.56	-85.74
350	-97.04	8.01	-113.59	-102.62	-97.83	-92.69	-81.57
351	-89.97	7.9	-109.5	-99.23	-94.47	-89.32	-78.18
352	-85.13	6.99	-103.99	-95.93	-91.14	-87.01	-76.67
353	-84.01	6.34	-100.74	-93.76	-90.12	-86.26	-74.97
354	-86.49	6.59	-101.15	-94.94	-91.31	-87.43	-74.89
355	-91.12	6.18	-102.67	-96.11	-92.69	-89.3	-77.23
356	-94.94	5.36	-104.3	-97.03	-93.96	-90.66	-82.64
357	-92.98	5.05	-105.54	-97.45	-94.44	-91.14	-85.04
358	-91.88	5.71	-105.08	-96.66	-92.84	-89.36	-82.6
359	-88.63	6.18	-102.37	-93.9	-89.68	-85.79	-77.46
360	-84.77	7.21	-99.94	-89.97	-85.67	-80.82	-70.5
361	-78.88	8.03	-94.43	-85.33	-80.8	-75.42	-62.55
362	-71.15	7.99	-89.74	-80.99	-76.52	-71.64	-57.9
363	-66.07	7.2	-85.09	-76.48	-72.4	-68	-56.4
364	-66.4	8.01	-81.76	-73.21	-68.62	-63.54	-50.81
365	-65.1	9.52	-79.82	-71.11	-64.5	-58.09	-43.21
366	-57.26	10.39	-78.6	-68.08	-61.19	-53.43	-38.53
367	-50.45	10.52	-75.97	-63.94	-57.25	-49.49	-35.61
368	-49.22	10.33	-72.75	-60.03	-53.69	-46.36	-32.44
369	-48	9.97	-69.29	-57.92	-52.2	-45.15	-30.39
370	-49.3	9.38	-67.21	-56.85	-51.28	-44.7	-30.36
371	-49.22	8.48	-65.93	-56.26	-51.13	-44.91	-32.84
372	-46.86	7.41	-63.79	-55.98	-51.01	-45.51	-35.17
373	-48.47	6.48	-62.66	-55.64	-51.27	-46.85	-37.38

374	-47.49	5.99	-61.34	-55.1	-51.31	-46.93	-38.47
375	-50.2	5.87	-62.1	-55.48	-51.97	-47.64	-39.49
376	-48.25	6.18	-62.7	-56.23	-52.22	-47.72	-38.45
377	-50.22	7.72	-62.63	-55.4	-50.8	-45.13	-31.42
378	-49.56	10.45	-61	-52.75	-47.27	-40	-20.34
379	-37.79	12.3	-60.15	-49.48	-42.52	-33.46	-11.74
380	-26.52	12.52	-58.06	-44.96	-37.48	-28.14	-9.37
381	-24	12.06	-52.83	-40.18	-32.71	-23.46	-5.55
382	-28.9	12.2	-49.81	-37.64	-30.24	-21.44	-3.72
383	-27.84	11.58	-47.87	-36.62	-29.66	-21.21	-4.59
384	-27.28	10.54	-47.83	-35.83	-28.87	-21.23	-7.63
385	-25.07	10.36	-45.95	-33.91	-26.65	-19.36	-6.55
386	-22.2	9.68	-44.24	-31.93	-25.4	-18.65	-7.77
387	-19.07	8.52	-41.12	-31.08	-25.25	-19.02	-8.93
388	-21.65	7.86	-40.12	-31.57	-25.89	-20.17	-10.57
389	-26.23	7.65	-40.02	-31.47	-26.33	-21.12	-11.02
390	-28.4	7.96	-41.1	-31.19	-26.13	-20.82	-9.4
391	-23.4	8.89	-39.74	-29.56	-23.88	-18.37	-5.45
392	-17.91	10.18	-38.09	-26.49	-20.54	-13.68	2.42
393	-9.74	10.75	-33.46	-21.86	-15.39	-8.68	8.84
394	-6.53	11.1	-29.88	-18.14	-11.22	-3.54	11.66
395	-4.22	10.89	-26.82	-14.94	-7.93	0.11	15.57
396	-3.16	11.27	-25.75	-12.64	-5.25	2.47	18.29
397	-1.02	12.18	-24.75	-9.85	-2.15	5.71	24
398	3.18	13.07	-23.35	-7.29	1.34	10.61	28
399	10.24	13.31	-22.27	-3.64	5.56	14.65	32.48
400	14.59	13.4	-19.35	-0.19	9.02	17.37	34.17
401	14.05	13.42	-16	2.54	11.86	20.07	35.96
402	13.01	12.88	-13.46	3.77	12.74	20.53	36.1
403	14.56	12.01	-12.24	3.59	12.19	19.45	34.72
404	15.96	11.51	-12.5	3.69	11.6	18.82	33
405	12.86	11.57	-13.54	2.96	11	18.17	33.47
406	11.17	11.44	-14.26	1.59	9.69	16.38	30.78
407	10.25	10.94	-16.91	-0.25	7.39	14.25	27.24
408	7.79	10.99	-19.62	-3.32	4.19	11.22	24.12
409	5.44	11.27	-24.25	-7.59	0.27	7.73	21.21
410	-3.39	11.33	-27.75	-11.54	-4.35	3.62	16.63
411	-7.72	11.08	-33.95	-15.86	-8.51	-0.73	10.75
412	-11.95	10.7	-38.67	-20.18	-12.7	-5.4	3.83
413	-12.45	10.63	-42.22	-24.61	-17.16	-9.94	0.57
414	-17.47	10.52	-45.35	-29.31	-22.22	-14.81	-2.75
415	-25.15	10.43	-48.72	-33.74	-27.1	-19.8	-7.67
416	-31.74	11.41	-56.93	-41.68	-33.62	-26.11	-13.09
417	-35.59	12.48	-66.53	-50.07	-39.96	-32.22	-19.72
418	-46.88	13.08	-73.37	-57.1	-47.67	-38.31	-24.06
419	-51.43	13.42	-80.07	-62.76	-54.02	-44.78	-26.95
420	-58.11	13.93	-84.58	-67.99	-59.79	-51.27	-27.29

421	-63.52	13.71	-89.57	-75.18	-66.11	-57.44	-36.64
422	-66.31	12.29	-94.51	-79.55	-71.28	-63.13	-47.72
423	-77.44	12.55	-103.53	-87.15	-78.5	-70.68	-54.59
424	-78.65	13.81	-117.38	-96.94	-87	-78.41	-63.16
425	-95.55	14.58	-127.97	-106.94	-96.22	-87.28	-71.58
426	-109.94	14.7	-135.51	-115.64	-105.55	-94.62	-78.84
427	-116.49	13.76	-143.17	-123.32	-114.53	-104.92	-89.19
428	-118.26	13.87	-148.56	-129.08	-119.7	-110.03	-94.4
429	-120.44	13.74	-150.2	-131.08	-121.48	-111.93	-96.76
430	-119.42	12.81	-149.38	-130.8	-121.84	-112.9	-97.73
431	-119.41	14.67	-150.37	-133.62	-122.99	-112.58	-95.74
432	-120.06	14.12	-148.76	-132.8	-122.69	-111.75	-95.47
433	-121.15	13.75	-145.59	-131.8	-122.01	-111.04	-94.41
434	-119.52	13.43	-142.99	-130.69	-120.27	-110.41	-93.02
435	-115.07	13.44	-141.72	-129.31	-119.32	-109.04	-92.12
436	-113.91	13.59	-140.13	-126.95	-117.33	-106.65	-89.18
437	-113.26	13.88	-137.59	-124.78	-114.69	-104.08	-86.1
438	-110.74	14.33	-135.79	-121.69	-112.21	-100.77	-82.22
439	-105.38	14.5	-132.91	-118.86	-108.67	-97.85	-78.82
440	-99.91	14.46	-129.35	-115.97	-106.76	-95.19	-76
441	-98.54	14.31	-127.64	-114.17	-105.37	-93.9	-74.87
442	-100.55	14.1	-126.65	-113.44	-103.96	-93.02	-74.57
443	-101.78	13.66	-125.9	-112.46	-102.97	-92.35	-75.24
444	-99.69	12.91	-124	-111.55	-101.83	-91.54	-75.56
445	-96.28	11.88	-121.22	-108.77	-100.71	-91.17	-76.64
446	-95.52	10.55	-117.85	-106.74	-99.63	-91.27	-78.42
447	-95.02	9.39	-115.18	-105.55	-99.14	-91.88	-80
448	-96.95	8.66	-114.45	-105.21	-99.34	-92.69	-82.02
449	-98.28	8.65	-114.6	-105.85	-99.76	-93.59	-82
450	-97.77	9.22	-117.04	-106.17	-100.25	-93.93	-80.19
451	-97.82	10.04	-118.6	-106.14	-100.12	-93.07	-77.63
452	-96.21	10.55	-118.14	-104.99	-98.63	-91.33	-75.34
453	-94.59	10.62	-115.48	-104.03	-97.26	-89.42	-73.63
454	-92.94	10.48	-112.57	-102.63	-95.81	-87.91	-72.38
455	-90.9	10.35	-111.16	-100.56	-94.18	-86.31	-70.77
456	-89.86	10.2	-109.39	-98.96	-92.51	-84.67	-69.75
457	-88.33	9.96	-107.48	-96.42	-90.18	-82.37	-68.55
458	-85.94	9.51	-105.95	-93.84	-88.25	-81.1	-67.9
459	-81.84	9.04	-102.72	-91.5	-85.98	-79.19	-66.4
460	-81.43	8.85	-99.88	-89.71	-83.7	-77.43	-65.26
461	-79.68	8.89	-97.25	-87.97	-81.98	-75.52	-62.77
462	-78.29	9.26	-95.54	-86.75	-80.62	-73.36	-60.63
463	-75.46	10.02	-95.82	-86.53	-79.51	-71.56	-58.26
464	-73.88	12	-99.84	-85.63	-78.02	-69.24	-53.37
465	-74.83	13.88	-98.79	-84.29	-75.52	-65.3	-47.1
466	-71.39	15.8	-98.39	-80.67	-70.96	-60.01	-35.63
467	-62.89	16.6	-94.17	-76.27	-66.43	-54.26	-27.85

468	-52	17.1	-89.89	-72.9	-61.89	-49.46	-22.12
469	-51.21	17.12	-86.79	-69.01	-57.72	-44.77	-18.9
470	-51.75	17.35	-83.43	-64.39	-53.72	-40.08	-15.39
471	-49.63	17.46	-80.63	-61.24	-50.23	-36.61	-13.96
472	-41.58	17.18	-75.91	-57.5	-46.56	-32.79	-11.84
473	-36.84	16.45	-71.05	-53.14	-42.53	-29.4	-10.09
474	-34.5	15.35	-66.49	-48.37	-38.15	-26.21	-7.86
475	-32.09	14.63	-62.85	-44.63	-35.13	-24.19	-6.72
476	-29.84	13.61	-60.19	-41.7	-33.54	-23.17	-7.39
477	-27.61	12.41	-56.85	-40.18	-32.77	-24.04	-8.81
478	-28.34	11.09	-53.28	-39.82	-32.99	-24.94	-10.06
479	-31.41	9.69	-51.47	-39.31	-33.38	-26.53	-12.73
480	-32.77	7.94	-49.46	-38.89	-33.58	-28.38	-17.53
481	-32.41	6.45	-46.88	-37.67	-33.28	-29.27	-21.14
482	-30.53	5.98	-45.58	-36.1	-31.96	-28.23	-21.15
483	-28.2	6.29	-43.54	-34.22	-29.64	-25.82	-17.6
484	-24.91	6.75	-41.12	-31.51	-26.6	-22.54	-14.13
485	-21.12	7.02	-39.32	-29.07	-23.96	-19.47	-11.37
486	-17.44	7.68	-37.89	-27.39	-21.83	-17.14	-8.61
487	-17.62	8.78	-38.84	-26.71	-20.5	-14.73	-5.35
488	-17.2	10.06	-40.79	-26.44	-19.33	-12.63	-2.45
489	-18.07	11.25	-42.05	-26.27	-18.08	-10.87	1.07
490	-15.29	12.28	-43.15	-25.63	-16.85	-8.99	4.63
491	-12.74	13.15	-42.7	-25.76	-15.72	-7.3	8.03
492	-10.85	13.84	-43.11	-25.61	-15.38	-5.8	10.47
493	-12.44	14.77	-45.4	-26.1	-16.05	-5.7	11.61
494	-14.59	15.6	-48.38	-28.43	-17.4	-6.81	12.74
495	-17.71	16.32	-50.36	-29.78	-18.45	-6.62	12.84
496	-18.44	16.74	-51.49	-30.32	-18.11	-6.59	12.41
497	-15.39	16.94	-51.59	-31.1	-18.78	-7.01	12.71
498	-14.05	17.08	-52.54	-32.93	-19.97	-8.86	12.79
499	-17.99	17.16	-54.27	-33.63	-21.73	-10.1	13.1
500	-22.56	17.17	-55.52	-35.21	-24.1	-11.76	11.07
501	-23.33	16.97	-56.84	-37.44	-26.27	-13.96	8.47
502	-24.04	16.91	-59.08	-40.2	-28.87	-16.76	7.26
503	-27.37	16.94	-61.16	-42.18	-31.29	-18.94	5.31
504	-30.58	17.04	-64.95	-44.61	-33.54	-20.82	1.93
505	-33.44	17.12	-68.67	-47.93	-37.27	-24.34	-0.82
506	-36.11	17.25	-72.35	-52.07	-40.86	-28.6	-5.48
507	-42.61	17.86	-78.27	-58.05	-46.14	-33.43	-10.12
508	-47.62	17.94	-81.58	-63.02	-51.22	-37.74	-14.77
509	-55.32	17.38	-83.66	-66.39	-54.7	-41.93	-19.05
510	-55.45	16.9	-85.22	-67.65	-56.52	-43.96	-20.86
511	-53.4	16.62	-84.89	-68.85	-57.52	-44.63	-20.68
512	-52.81	16.26	-84.36	-67.35	-56.31	-44.4	-21.21
513	-53.28	15.78	-83.35	-65.87	-54.78	-43.91	-22.35
514	-51.5	15.18	-81.72	-64.37	-53.28	-43.13	-21.56

515	-50.33	14.4	-78.1	-62.09	-51.58	-42.26	-21.74
516	-47.55	13.41	-75.04	-59.76	-50.61	-40.72	-21.92
517	-44.78	12.68	-72.88	-58.09	-49.5	-40.68	-22.92
518	-45.35	12.07	-71.99	-56.71	-48.24	-40.23	-22.62
519	-46.68	11.8	-71.44	-55.66	-47.68	-40.1	-23.66
520	-45.1	11.66	-71.34	-55.92	-47.76	-40.36	-25
521	-44.99	11.73	-72.63	-57.17	-48.72	-41.35	-26.42
522	-46.82	11.83	-74.23	-58.35	-49.85	-42.24	-27.7
523	-49.7	11.84	-75.33	-59.13	-50.99	-43.16	-28.53
524	-50.48	11.75	-75.95	-59.46	-51.47	-44.21	-29.38
525	-49.96	11.64	-76.05	-59.7	-51.89	-44.38	-29.94
526	-49.68	11.41	-75.52	-59.24	-51.46	-43.67	-30.65
527	-48.46	11.09	-74.84	-58.91	-51.35	-44.12	-31.41
528	-48.5	10.75	-75.34	-59.2	-51.63	-44.57	-33.08
529	-50.66	10.42	-76.18	-59.89	-52.58	-45.61	-34.86
530	-52.1	10.05	-76.21	-61.18	-53.68	-47.22	-36.67
531	-53.67	9.63	-75.14	-61.81	-54.73	-48.21	-38.35
532	-53.71	9.36	-75.64	-62.46	-55.86	-49.33	-40.12
533	-53.01	9.38	-77.81	-64.17	-57.81	-51.25	-40.28
534	-56.16	9.55	-79.35	-66.98	-60.12	-53.24	-41.9
535	-61.14	10.17	-82.56	-69.94	-63.34	-55.46	-43.19
536	-64.07	10.45	-84.64	-72.97	-65.51	-57.47	-45.4
537	-67.39	11.01	-86.45	-74.45	-66.21	-57.84	-45.18
538	-64.18	12.32	-87.22	-74.71	-66.1	-56.6	-41.16
539	-59.91	13.34	-87.92	-73.6	-64.58	-55.34	-35.08
540	-58.99	14.07	-85.4	-70.85	-62.04	-53.26	-30.45
541	-55.16	14.86	-85.45	-70.08	-60.5	-50.03	-27.24
542	-51.73	15.46	-83.84	-69.25	-59.27	-48.76	-25.01
543	-53.72	15.58	-83.27	-68.73	-58.13	-47.58	-24.02
544	-53.89	15.28	-83.09	-68.59	-57.41	-46.74	-24.64
545	-53.73	14.52	-84.05	-68.35	-58.64	-48.27	-28.41
546	-55.03	13.33	-83.9	-68.51	-59.22	-50.08	-31.42
547	-57.35	12.1	-84.49	-69	-60.61	-52.25	-36.55
548	-59.46	11.01	-84.45	-70.06	-62.11	-54.58	-41.25
549	-62.11	10.18	-83.64	-69.98	-62.73	-55.66	-44.83
550	-62.75	9.64	-82.71	-69.81	-62.78	-56.36	-45.13
551	-60.01	9.24	-81.35	-69.36	-63.34	-56.79	-46.41
552	-58.3	9.21	-80.96	-69.73	-63.34	-56.99	-45.72
553	-59.76	9.27	-79.75	-69.24	-62.81	-55.89	-44.16
554	-61.1	9.65	-78.66	-68.3	-61.55	-54.39	-41.3
555	-58.37	10.29	-76.36	-65.86	-59.42	-51.75	-37.06
556	-52.38	11.22	-74.15	-62.97	-55.56	-47.28	-31.7
557	-46.51	11.64	-70.67	-58.66	-51.07	-42.55	-26.21
558	-40.41	11.62	-66.42	-54.08	-46.34	-38.07	-21.99
559	-37.88	11.51	-62.85	-50.74	-43.19	-34.61	-18.68
560	-36.07	11.42	-60.2	-48.61	-40.84	-32.59	-16.62
561	-35.39	11.34	-58.34	-47.29	-39.7	-30.99	-15.68

562	-34.82	11.11	-56.09	-45.66	-38.51	-29.81	-14.39
563	-33.39	10.8	-54.09	-43.26	-36.4	-28.29	-13.27
564	-30.12	10.65	-50.98	-39.89	-32.69	-25.22	-9.15
565	-26.73	10.89	-47.13	-35.86	-28.17	-20.23	-5.38
566	-19.58	10.5	-43.65	-30.72	-23.48	-15.97	-2.77
567	-13.9	10.21	-39.04	-26.35	-20	-12.24	-0.25
568	-13.27	9.88	-36.33	-22.87	-16.33	-9.18	2.58
569	-11.65	9.95	-34.8	-20.73	-14.33	-7.03	4.61
570	-9.06	10.38	-33.45	-19.68	-12.89	-5.84	6.64
571	-8.18	11.52	-35	-19.15	-11.68	-4.35	9.06
572	-6.66	12.45	-37.55	-19.49	-10.85	-3.16	10.31
573	-8.42	13.12	-39.76	-20.64	-11.46	-3.32	11.13
574	-8.88	13.44	-40.32	-21.23	-12.66	-3.28	10.88
575	-12.1	12.95	-42.6	-22.05	-13.82	-4.96	8.98
576	-12.36	12.53	-40.77	-23.28	-15.04	-6.5	8.12
577	-11.71	12.99	-44.14	-26.26	-17.75	-8.91	6.36
578	-13.91	13.84	-48.25	-31.49	-22.85	-12.27	5
579	-23.45	14.43	-54.55	-37.66	-28.57	-17.36	0.93
580	-32.03	14.48	-61.05	-44	-35.2	-24.46	-4.55
581	-38.35	13.45	-65.38	-50.7	-41.79	-32.1	-14.27
582	-44.03	12.21	-67.95	-56.31	-48.38	-38.8	-22.38
583	-50.08	11.77	-70.2	-60.91	-52.82	-43.54	-27.45
584	-53.33	11.51	-71.59	-63.16	-55.08	-46.02	-29.23
585	-54.4	11.56	-72.45	-63.06	-55.81	-46.31	-28.93
586	-49.95	11.65	-72.05	-61.64	-54.98	-45.01	-28.28
587	-47.15	12	-71.22	-59.31	-52.37	-41.87	-25.37
588	-45.53	12.39	-67.41	-55.41	-48.45	-37.89	-20.2
589	-39.1	12.82	-64.07	-51.8	-43.82	-33.65	-16.26
590	-33.2	13.07	-61.9	-48.21	-39.95	-29.83	-12.85
591	-30.1	12.8	-58.59	-45.32	-36.37	-26.91	-10
592	-28.97	12.71	-57.08	-43.37	-34.14	-24.94	-8.64
593	-30.38	12.59	-55.47	-42.01	-32.97	-24.15	-7.65
594	-29.81	12.4	-53.81	-40.44	-31.42	-23	-7.17
595	-26.35	12.24	-52.89	-39.41	-30.08	-22.33	-6.36
596	-23.46	12.31	-52.63	-38.66	-30.17	-21.37	-5.54
597	-24.04	13.01	-55.45	-39.71	-30.81	-21.44	-5.64
598	-27.53	14.98	-63.57	-43.86	-33.52	-23.15	-5.36
599	-33.05	16.15	-70.08	-48.31	-37.31	-25.74	-7.06
600	-41.35	16.78	-73.57	-52.33	-40.77	-28.83	-8.57
601	-41.23	16.95	-74.09	-54.52	-42.45	-30.7	-9.11
602	-39.41	16.81	-73	-54.43	-42.55	-30.39	-9.43
603	-37.95	16.28	-68.81	-50.98	-39.42	-27.9	-6.89
604	-33.99	15.84	-64.22	-45.16	-34.12	-22.97	-3.89
605	-24.09	15.68	-59.74	-40.22	-29.06	-18.35	1.52
606	-16.31	15.58	-54.45	-35.68	-24.75	-13.5	5.39
607	-14.29	16.12	-51.81	-32.17	-21.88	-9.7	9.76
608	-15.19	16.8	-53.77	-31.21	-20.07	-8.15	11.59

609	-17.77	17.28	-55.56	-32.12	-19.24	-8.37	11.14
610	-17.66	17.15	-55.27	-32.75	-19.7	-8.79	11.62
611	-18.6	16.77	-54.79	-32.07	-19.42	-8.86	11.2
612	-18.19	16.47	-50.73	-29.85	-19.33	-7.7	12.23
613	-12.57	15.51	-47.95	-28.04	-17.48	-6.81	14.36
614	-9.02	15.23	-45.9	-27.33	-17.2	-5.97	13.27
615	-11.31	15.61	-49.26	-29.04	-18.48	-8.16	11.9
616	-16.78	15.93	-52.51	-35.12	-25.27	-13.78	11.02
617	-29.38	15.95	-63.77	-46.98	-36.4	-25.23	-1.98
618	-43.34	16.58	-80.29	-61.3	-50.99	-38.53	-15.26
619	-65.34	15.37	-91.09	-73.91	-64.67	-54.73	-29.53
620	-78.36	13.46	-102.94	-85.11	-76.74	-67.57	-50.42
621	-86.36	12.08	-112.6	-95.23	-86.67	-78.77	-65.02
622	-93	12.48	-120.27	-102.82	-94	-86.26	-72.53
623	-100.28	13.93	-127.93	-109.6	-99.83	-90.33	-75.59
624	-103.58	15.27	-135.2	-115.7	-104.54	-93.81	-76.75
625	-105.54	16.51	-141.8	-120.77	-108.89	-97.65	-78.3
626	-110.96	17.1	-145.08	-124.03	-112.05	-99.68	-79.51
627	-114.62	17.5	-145.85	-125.2	-113.61	-99.89	-78.39
628	-111.96	17.31	-144.64	-125.93	-113.73	-101.05	-79.49
629	-109.41	17	-142.4	-124.42	-113.04	-100.76	-78.67
630	-108.5	16.3	-139.23	-121.5	-111.13	-98.84	-77.27
631	-105.76	15.43	-135.73	-118.52	-109.26	-97.57	-76.97
632	-103.04	14.5	-132.62	-118.06	-108.56	-97.16	-77.72
633	-102.54	13.89	-130.58	-118.24	-108.91	-98.1	-78.76
634	-105.6	13.89	-131.68	-120.23	-110.3	-99.3	-80.24
635	-109.52	13.46	-131.5	-120.32	-111.08	-99.87	-81.89
636	-111.27	13.21	-130.66	-119.86	-111.25	-99.14	-82.25
637	-105.13	13.06	-128.74	-117.83	-109.42	-98.7	-80.26
638	-101.37	13.05	-126.54	-114.81	-105.86	-95.99	-76.84
639	-99.09	12.66	-122.27	-110.95	-101.88	-92.49	-74.11
640	-93.77	12.56	-118.89	-107.59	-98.34	-88.83	-71.38
641	-92.11	12.31	-117.12	-103.76	-95.19	-85.48	-70.11
642	-89.12	11.82	-113.29	-99.76	-91.22	-82.32	-69.06
643	-85.33	11.21	-109.57	-96.53	-88.7	-80.09	-67.71
644	-82.43	10.92	-107.94	-95.56	-88.23	-79.34	-66.86
645	-82.73	11.36	-108.46	-96.03	-88	-79.12	-66.01
646	-86.64	11.91	-111.24	-97.07	-88.55	-79.19	-65.26
647	-88.13	12.12	-110.28	-96.62	-87.84	-78.57	-64.36
648	-86.44	12	-109.73	-95.19	-87.06	-77.76	-64.12
649	-80.26	11.49	-107.42	-94.01	-86.18	-76.97	-63.97
650	-79.87	10.7	-104.18	-93.21	-85.55	-77.04	-64.27
651	-82.42	10.02	-101.78	-92.46	-85.26	-77.53	-64.56
652	-85.15	9.95	-102.03	-92.02	-84.43	-77.1	-64.95
653	-84.29	9.68	-101.24	-91.02	-83.36	-76.59	-65.36
654	-78.18	9.34	-100.85	-90.44	-83.58	-77.09	-64.37
655	-77.24	9.44	-101.75	-90.9	-83.9	-77.38	-64.69

656	-82.73	9.32	-100.19	-90.86	-84.04	-77.31	-65.37
657	-85.16	9.56	-101.08	-91	-83.7	-77.08	-65.49
658	-83.48	10.22	-101.13	-90.39	-83.28	-75.87	-62.83
659	-78.4	10.39	-100.7	-89.13	-81.32	-74.04	-61.79
660	-75.27	10.06	-99.68	-87.64	-80.73	-73.75	-59.23
661	-77.61	9.81	-98.33	-87.31	-80.48	-73.42	-60.36
662	-79.27	9.9	-98.78	-87.47	-81.19	-73.73	-60.7
663	-80.2	9.8	-98.23	-87.42	-80.63	-73.36	-61.26
664	-79.29	10.52	-98.1	-86.57	-79.18	-72.12	-58.05
665	-75.05	11	-96.27	-84.64	-77	-69.21	-54.91
666	-72.45	11.2	-94.27	-82.15	-74.25	-66.42	-52.32
667	-69.86	11.13	-91.93	-78.78	-70.69	-63.03	-49.63
668	-66.7	10.94	-88.32	-75.99	-68.21	-60.2	-47.26
669	-62.58	10.29	-84.49	-73.55	-66.47	-58.84	-45.49
670	-61.52	9.72	-81.92	-72.38	-65.96	-58.79	-44.03
671	-61.93	9.59	-82.02	-72.55	-66.06	-59.55	-44.05
672	-65.68	9.57	-81.74	-72.97	-66.67	-59.72	-46.24
673	-67.22	9.74	-81.36	-72.25	-65.97	-58.5	-44.54
674	-62.65	10.04	-80.52	-70.46	-63.92	-56.8	-42.32
675	-56.98	10.72	-78.97	-67.85	-61	-53.47	-37.17
676	-53.47	11.36	-75.68	-64.29	-56.97	-48.34	-31.91
677	-50.13	11.92	-72.88	-60.86	-53.1	-43.78	-28.58
678	-45.5	12.69	-71.16	-57.77	-49.28	-39.58	-23.07
679	-42.18	13.85	-69.92	-54.74	-45.45	-34.73	-17.32
680	-38.49	14.87	-68.34	-51.45	-41.25	-29.52	-11.34
681	-34.08	15.65	-65.6	-48.06	-36.76	-24.38	-7.72
682	-28.89	15.92	-62.78	-44.22	-32.08	-19.57	-3
683	-24.49	15.71	-58.91	-39.61	-27.29	-15.81	0.28
684	-21.33	15.09	-54.18	-34.22	-22.94	-11.85	2.3
685	-17.8	14.34	-48.48	-29.24	-18.6	-8.82	5.69
686	-12.64	13.03	-43.42	-25.45	-16.08	-7.13	7.27
687	-9.14	11.55	-38.51	-22.57	-14.75	-7	8.08
688	-11.45	10.67	-35.65	-21.23	-14.65	-7.52	7.06
689	-13.04	10.51	-35.26	-21.93	-15.08	-8.6	6.05
690	-15.63	10.79	-38.45	-23.39	-15.93	-8.98	5.46
691	-15.7	11.37	-39.48	-23.53	-16.02	-8.68	4.6
692	-13.48	11.83	-40.7	-24.1	-15.88	-7.85	4.74
693	-12.46	12.18	-40.23	-23.49	-14.88	-7.17	7.16
694	-12.35	12.52	-40.33	-22.33	-13.93	-5.78	9.32
695	-10.64	12.74	-40.06	-22.29	-13.45	-5.84	11.94
696	-9.93	12.54	-39.79	-22.43	-14.17	-7	11.44
697	-11.83	12.35	-39.88	-23.86	-15.94	-8.36	10.96
698	-15.58	12.29	-41.55	-26.46	-18.41	-11.01	9.53
699	-19.13	12.33	-43.08	-29.26	-21.33	-13.26	7.21
700	-21.36	12.4	-45.84	-32	-24.52	-16.28	5.95
701	-23.27	12.41	-48.71	-34.77	-27.39	-19.47	1.3
702	-26.99	12.34	-51.37	-37.43	-29.63	-21.7	-1.27

703	-30.02	11.87	-53.21	-39.32	-31.48	-24.1	-6.94
704	-31.23	11.56	-55.74	-41.55	-34.32	-26.38	-10.96
705	-31.93	11.63	-60.16	-45.69	-38.56	-30.69	-14.17
706	-36.72	12.53	-67.85	-51.77	-43.86	-35.72	-18.26
707	-48.33	12.46	-73.27	-56.52	-48.95	-40.98	-22.56
708	-57.75	11.99	-77.85	-61.5	-53.95	-46.1	-30.29
709	-56.95	11.61	-83.5	-67.58	-58.64	-51.23	-39.31
710	-58.02	12.96	-89.66	-73.2	-63.52	-55.24	-39.49
711	-64.8	14.19	-95.64	-75.85	-65.99	-57.13	-41.34
712	-68.05	15.76	-106.24	-80.46	-69.81	-59.74	-43.3
713	-71.56	16.02	-108.95	-85.97	-74.65	-64.16	-45.37
714	-80.14	15.47	-109	-89.43	-78.49	-68.2	-49.16
715	-82.33	14.27	-110.18	-90.99	-81.26	-71.23	-56.13
716	-83.25	12.71	-108.96	-93.19	-84.46	-75.22	-61.86
717	-82.13	11.03	-106.72	-94.96	-87.28	-78.64	-65.65
718	-86.11	10.15	-105.52	-95.66	-88.55	-80.76	-68.33
719	-90.18	9.81	-105.46	-95.63	-88.32	-80.95	-68.74
720	-88.93	9.81	-104.74	-93.65	-86.85	-79.49	-67.32
721	-82.33	10.29	-102.44	-90.76	-82.89	-76.03	-64.18
722	-76.68	9.87	-99.27	-85.39	-78.22	-71.83	-61.05
723	-70.14	8.63	-92.39	-79.65	-73.99	-68.32	-58.22
724	-66.7	8.33	-87.2	-76.09	-70.97	-65.4	-54.27
725	-65.99	9.44	-83.16	-72.72	-66.87	-60.32	-45.6
726	-63.32	10.97	-79.63	-69.07	-61.79	-53.62	-36.97
727	-52.01	11.39	-76.64	-64.47	-56.98	-48.21	-32.54
728	-44.27	12.38	-73.99	-61.35	-53.65	-43.71	-26.47
729	-43.98	14.11	-75.58	-58.59	-49.65	-39.27	-20.83
730	-44.3	15.77	-76.73	-58.36	-47.61	-36.99	-16.93
731	-43.81	14.96	-76.78	-56.68	-46.96	-36.82	-18.13
732	-41.74	14.34	-76.91	-55.19	-45.84	-36.93	-19.73
733	-40.02	14.07	-77.77	-55.62	-46.17	-37.42	-20.78
734	-42.07	12.88	-76	-55.71	-47.71	-39.53	-23.41
735	-49.78	10.91	-70.43	-56.04	-49.49	-42.08	-26.15
736	-50.09	10.21	-69.99	-57	-50.13	-43.55	-30.18
737	-48.25	9.49	-70.58	-58.28	-51.55	-45.28	-33.25
738	-47.66	8	-68.08	-58.33	-53.08	-47.62	-35.58
739	-52.7	7.47	-68.42	-59.55	-55.17	-50.39	-38.4
740	-56.43	7.56	-71.27	-62.35	-57.96	-53.09	-40.99
741	-58.79	7.9	-75.6	-65.93	-61.16	-56.26	-43.71
742	-61.79	8.35	-79.93	-69.33	-63.76	-58.47	-47.53
743	-64.82	8.95	-83.65	-72.78	-66.39	-60.5	-49.84
744	-67.33	9.53	-87.32	-76.05	-69.07	-62.11	-50.84
745	-69.88	10.21	-90.82	-79.16	-71.69	-64.3	-52.07
746	-71.14	10.81	-92.85	-81.71	-73.75	-65.58	-52.48
747	-73.88	11.09	-94.39	-83.38	-75.25	-66.78	-52.67
748	-73.75	11.21	-94.79	-84.35	-76.34	-67.45	-52.95
749	-74.38	11.27	-93.77	-84.02	-75.27	-67.36	-51.82

750	-74.08	11.12	-92.75	-81.51	-73.32	-65.32	-50.6
751	-68.3	10.7	-90.54	-79.26	-71.22	-63.23	-50.33
752	-65.75	10.14	-88.45	-76.41	-69.03	-62.08	-49.68
753	-65.13	9.74	-85.12	-73.65	-66.84	-59.84	-48.78
754	-63.7	9.99	-83.39	-72.01	-65.44	-58.41	-45.28
755	-61.85	9.74	-81.81	-70.62	-63.88	-57.69	-42.6
756	-59.1	9.15	-80.41	-68.34	-62.28	-56.15	-43.32
757	-58.67	8.65	-78.2	-65.82	-60.09	-54.65	-43.29
758	-57.34	8.29	-74.9	-63.51	-57.76	-52.76	-42.26
759	-53.97	7.98	-72.19	-61.68	-55.73	-50.56	-40.67
760	-50.83	8.28	-69.9	-59.36	-53.6	-48.14	-38.3
761	-49.19	9.39	-68.65	-57.02	-51.02	-44.89	-31.34
762	-47.72	10.18	-66.67	-54.29	-48.05	-40.85	-26.67
763	-41.61	10.55	-65.02	-52.35	-45.46	-38.11	-22.64
764	-39.17	10.6	-62.98	-49.93	-42.52	-35.71	-21.61
765	-39.26	10.2	-60.15	-46.59	-39.57	-32.88	-21.5
766	-36.3	9.78	-57.3	-43.58	-36.74	-30.41	-18.89
767	-32.18	9.25	-53.96	-39.97	-33.47	-27.86	-17.48
768	-27.3	8.83	-49.14	-36.28	-30.07	-24.48	-14.2
769	-23.7	8.72	-44.96	-32.27	-26.51	-20.48	-10.41
770	-20.71	8.85	-40.62	-28.57	-22.95	-16.59	-5.68
771	-16.21	9.36	-36.7	-25.05	-19.34	-12.41	0.45
772	-12.24	9.65	-33.34	-22.03	-15.68	-8.76	4.81
773	-8	9.32	-29.97	-19.47	-13.09	-6.43	5.74
774	-6.3	9.02	-28.85	-18.24	-11.75	-5.5	5.77
775	-8.56	9.14	-29.26	-17.93	-12.14	-5.57	5.33
776	-9.1	9.35	-30.76	-19.55	-13.26	-6.93	5.17
777	-12.76	9.52	-33.06	-21.89	-15.09	-8.51	4.17
778	-13.68	9.66	-34.57	-22.65	-15.93	-9.56	3.18
779	-14.49	9.66	-36.23	-23.77	-17.07	-10.7	1.96
780	-13.01	10.2	-38.78	-25.63	-19.2	-11.66	1.15
781	-15.3	10.96	-42.45	-28.25	-21.05	-13.44	0.43
782	-20.86	11.62	-46.82	-30.45	-23.02	-14.84	0.01
783	-23.36	11.87	-48.82	-32.84	-25.44	-16.56	-2.96
784	-22.74	11.74	-50.84	-36.29	-28.56	-19.61	-5.59
785	-26.25	11.63	-54.36	-40.04	-32.96	-24.05	-10.44
786	-31.59	11.87	-61.27	-46.76	-38.97	-30.02	-15.69
787	-41.56	12.46	-72.15	-55.67	-47.34	-38.98	-23.61
788	-54.67	13.48	-87.77	-66.76	-57.78	-49.15	-33.61
789	-67.49	13.35	-96.99	-78.04	-68.73	-59.41	-44.85
790	-79.84	12.08	-102.8	-86.19	-77.96	-69.53	-56.52
791	-86.47	10.82	-106.83	-91.03	-83.72	-76.89	-64.92
792	-87.48	9.95	-107.39	-95.07	-87.58	-81.15	-69.51
793	-86.61	10.48	-112.01	-97.59	-89.93	-83.41	-71.38
794	-88.16	11.22	-116.26	-99.52	-91.83	-84.98	-72.14
795	-93.19	11.18	-118.5	-100.71	-93.22	-86.46	-73.3
796	-95.67	11.11	-119.16	-101.48	-94.26	-87.34	-74.88

797	-93.05	10.78	-117.79	-102.47	-95.37	-87.66	-74.96
798	-92.37	10.08	-114.68	-102.23	-95.41	-88.18	-75.73