

1. Test Information

Applicant: SAGEMCOM BROADBAND SAS

Address: 250 Route de l'Empereur - 92848 RUEIL MALMAISON CEDEX- FRANCE

Equipment: Smart Wi-Fi Extender

Model No.: F@st 266 XXXXXXXXXX (XXXXXXXXXX, X can be A~Z, space and other presentation, XXXXXXXXXX can be replaced by LLA and other presentation, it is various by marketing purpose in different countries)

Brand Name: SAGEMCOM

Test Date: 2024-03-05

Test by: Gemtek Technology Co., Ltd.

2. Test Location

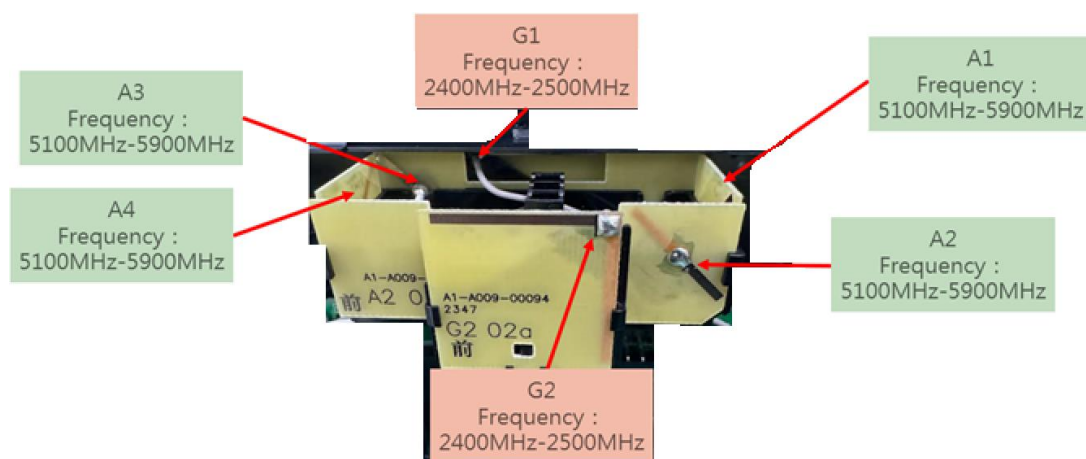
Test Lab: Gemtek Technology Co., Ltd.

Address: No.15-1 Zhonghua Road,Hsinchu Industrial Park, Hukou,Hsinchu,Taiwan. 30352

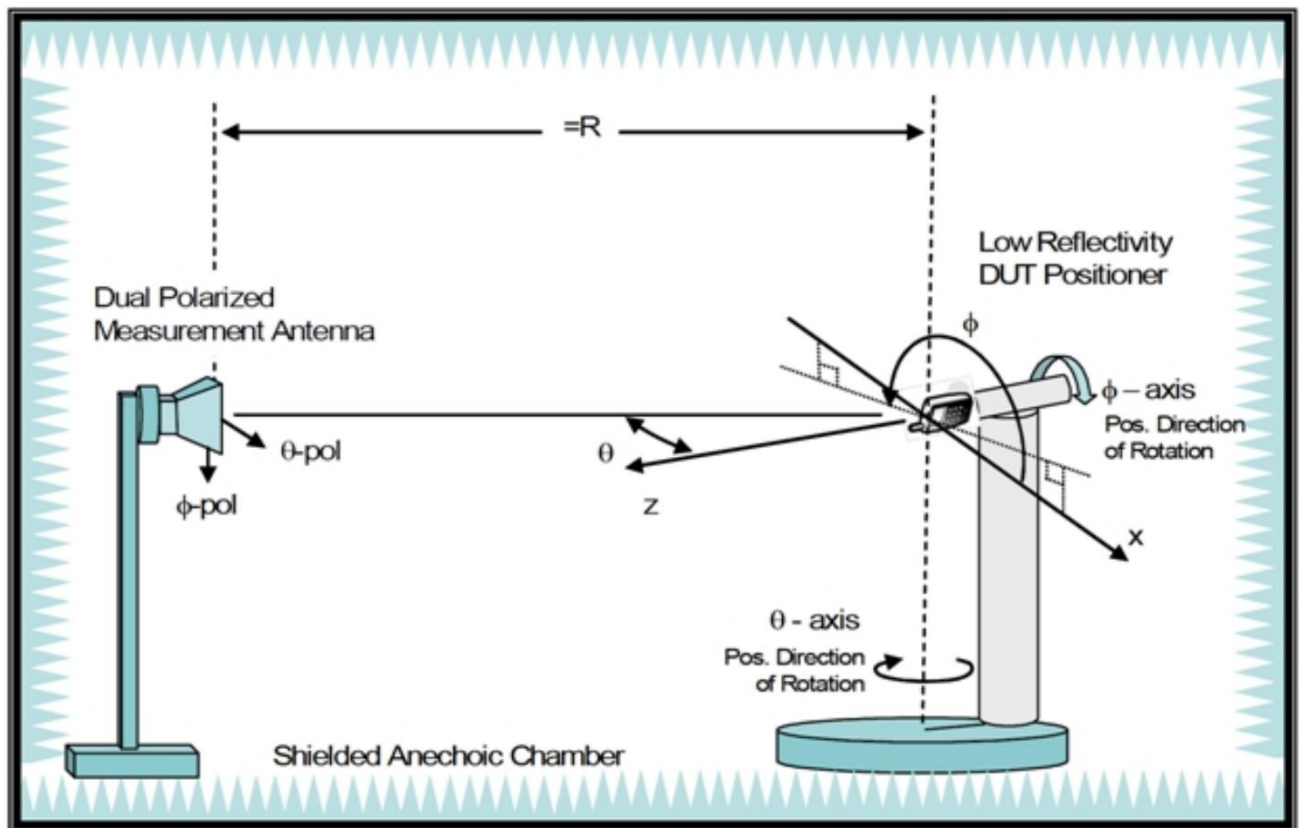
3. Test Frequency

Band (MHz)	Test Frequency (MHz)
2412 ~ 2462	2450
5150 ~ 5250	5200
5250 ~ 5350	5300
5470 ~ 5725	5600
5725 ~ 5850	5785

4. Antenna System

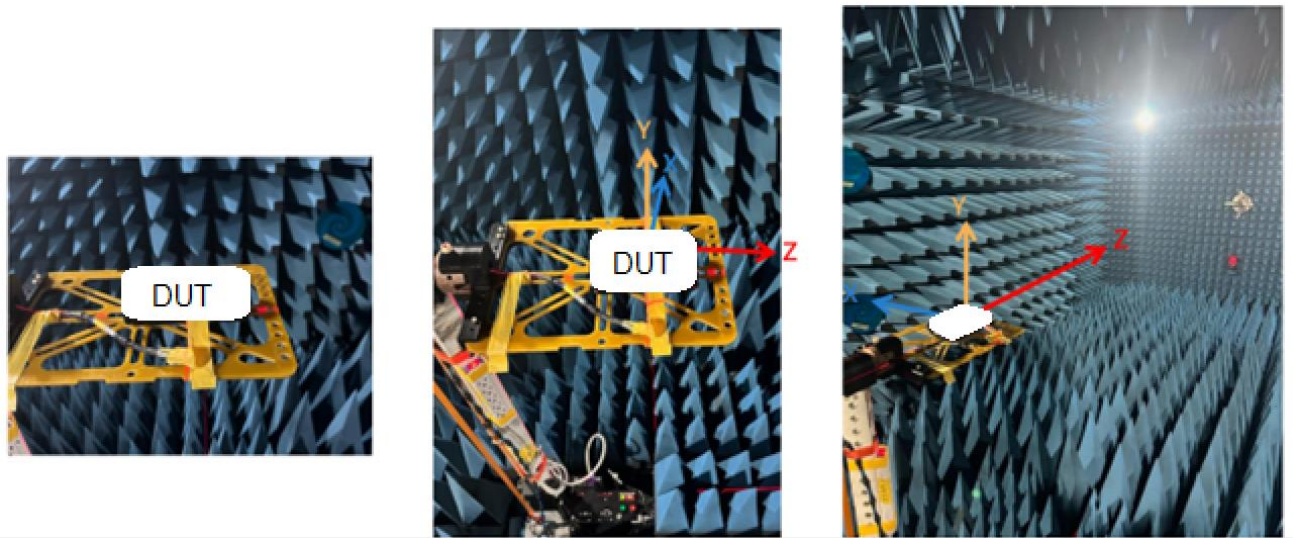


5. Test Configuration



6. Test Setup

Test Setup



7. Test Method

The EUT is set on multi-axis positioner. Measurement antenna is set at phi polarization and 1.5 meter height. Port 1 of Network analyzer connects to antenna of EUT. Record S_{21} value every 5 degrees from 0 to 355 degrees on Phi angle and 0 to 180 degrees on theta angle of multi-axis positioner. Then set measurement antenna to theta polarization and repeat process. Repeat process for each antenna of EUT.

8. Summary of Test Result

Calculate directional gain of 4TX antennas by same angle according to FCC KDB662911 D01 Multiple

Transmitter Output v02r01 The maximum DG gain was selected and recorded in following table

Spatial Multiplexing DG calculations

If antenna gains are not equal & each transmit antenna is driven by only one spatial stream

$$DG = 10 \log \left[\frac{\sum_{j=1}^{N_{ss}} \left\{ \frac{\sum_{k=1}^{N_{ANT}} g_{j,k}}{N_{ANT}} \right\}^2}{N_{ANT}} \right]$$

Antenna Type	Frequency Band (GHz)	Antenna Gain (dBi)				Directional Gain (dBi)
		Ant 0	Ant 1	Ant 2	Ant 3	
Wi-Fi Internal Antenna (2.4GHz 3*3 MIMO, 5GHz 4*4 MIMO)						
PCB Antenna	2400 ~ 2483.5	2.75	2.85			3.35
	5150 ~ 5250	4.27	4.06	4.32	3.92	5.51
	5250 ~ 5350	4.31	4.37	4.46	4.07	5.43
	5470 ~ 5725	4.40	4.27	4.23	4.35	6.25
	5725 ~ 5850	4.40	4.27	4.23	4.35	6.28
Note 1: The EUT supports Cyclic Delay Diversity (CDD) mode for 802.11a/b/g/n/ac/ax and SISO Mode (Ant 0) for 802.11a/b.						
Note 2: If transmit signals are correlated, then Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ dBi [Note the “20”s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]						

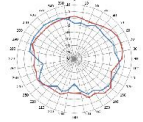
9. RAW DATA and Calculation DATA

Theta (H) Phi (deg.)																																						
0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360		
0	1.52	1.17	0.69	-0.32	-1.17	-3.83	-7.02	-12.37	-19.09	-27.21	-37.09	-48.02	-1.96	-40.48	0.06	1.04	1.45	1.62	1.52	1.19	0.38	-0.66	-2.18	-4.47	-7.84	-13.8	-22.75	-34.38	-47.25	-62.02	-78.46	-96.66	0.31	1.02	1.41	1.56	1.43	
10	2.02	1.84	1.41	0.69	-0.47	-2.27	-4.81	-9.1	-19.63	-29.73	-39.86	-5.73	-3.16	-1.64	-0.69	-0.12	0.14	0.06	-0.22	-0.48	-1.76	-3.19	-5.25	-8.43	-13.86	-21.5	-32.96	-47.98	-64.93	-84.24	-1.25	-0.12	0.73	1.33	1.72	1.9	1.89	
20	1.72	1.62	1.34	0.82	-0.02	-1.34	-3.39	-6.5	-11.86	-18.38	-21.63	-7.17	-4.66	-3.19	-2.71	-2.02	-1.89	-2.08	-2.49	-3.22	-4.49	-6.36	-9.3	-14.32	-21.95	-32.63	-47.85	-65.33	-84.1	-1.04	-0.13	0.39	0.9	1.29	1.55	1.63		
30	2.21	2.22	1.99	1.47	0.58	-0.8	-2.71	-5.28	-9.52	-11.36	-9.63	-7.41	-5.42	-4.45	-4.02	-3.83	-3.85	-4.17	-4.57	-5.3	-6.59	-8.8	-12.68	-19.43	-25.36	-40.49	-60.5	-83.85	-1.07	-1.56	-0.84	-0.15	0.52	1.12	1.62	1.98	2.14	
40	2.78	2.74	2.52	2.08	1.31	0.06	-1.64	-3.82	-6.11	-7.2	-7.11	-6.48	-6.13	-6.15	-6.4	-6.12	-5.8	-5.41	-5.28	-5.46	-6.14	-7.34	-9.39	-12.23	-17.57	-28.76	-45.27	-70.2	-1.62	-0.67	0.08	0.73	1.21	1.66	2.06	2.41	2.63	
50	0.7	0.69	0.61	0.39	0.21	-1.35	-2.94	-4.68	-6.22	-7.1	-6.44	-6.08	-6.27	-7.85	-7.89	-6.98	-6.15	-5.44	-4.73	-4.32	-4.22	-4.57	-5.56	-7.21	-9.75	-14.38	-19.5	-25.6	0.22	0.64	0.9	0.97	0.93	0.83	0.75	0.67		
60	-0.87	-0.87	-0.94	-1.26	-2.02	-3.25	-4.65	-5.78	-6.08	-5.31	-5.03	-5.55	-6.6	-7.19	-6.77	-5.71	-4.82	-3.98	-3.18	-2.48	-1.92	-1.71	-2.02	-3.05	-4.51	-6.49	-9.15	-12.12	-0.89	-0.32	-0.09	0.04	-0.02	-0.27	-0.63	-0.87		
70	-2.55	-2.68	-2.65	-2.73	-3.42	-4.97	-7.3	-8.93	-9.38	-7.78	-5.67	-6.18	-7.35	-7.74	-6.94	-5.71	-4.69	-3.77	-2.83	-1.79	-0.89	-0.31	-0.17	-0.67	-1.62	-2.65	-3.8	-1.88	-0.93	-0.25	0.15	0.34	0.09	-0.54	-1.37	-2.12	-2.59	
80	-3.04	-3.31	-3.42	-3.74	-4.64	-6.33	-8.67	-10.43	-9.25	-6.66	-5.45	-5.88	-6.77	-6.22	-4.92	-3.94	-3.83	-3.08	-0.49	0.04	0.54	0.89	0.89	0.53	-0.01	-0.67	-1.24	-1.28	-1.16	-0.78	-0.32	0.02	-0.17	-0.79	-1.68	-2.51	-3.11	
90	-3.33	-3.65	-3.96	-4.7	-6.45	-9.46	-12.74	-12.03	-8.44	-6.55	-5.57	-5.97	-6.85	-6.29	-3.38	-2.3	-1.57	-1.01	-0.52	-0.14	0.14	0.27	0.23	0.04	-0.13	-0.35	-0.92	-2.08	-3.25	-3.16	-2.39	-1.63	-1.34	-1.5	-2.04	-2.73	-3.36	
100	-3.64	-4.19	-4.86	-5.99	-8.03	-11.55	-14.76	-12.39	-7.73	-4.32	-3.17	-3.73	-4.91	-5.36	-4.06	-2.83	-1.42	-0.28	0.39	0.72	0.88	0.5	0.26	0.07	0.21	0.5	0.06	-1.42	-4.28	-6.45	-5.54	-3.38	-2.83	-2.34	-2.48	-2.94	-3.44	
110	-4.25	-4.58	-5.27	-6.41	-8.04	-9.78	-9.98	-3.35	-5.43	-3	-1.3	1.96	-2.71	-3.37	-3.13	-2.31	-1.54	-0.99	-0.73	-0.73	-0.94	-1.41	-1.79	-1.81	-0.99	-0.13	-0.11	-1.63	-3.44	-11.28	-11.01	-9.04	-6.72	-5.36	-4.73	-4.73	-4.65	
120	-4.99	-5.158	-5.494	-6.223	-8.008	-18.29	-14.46	-11.07	-7.39	-4.2	-3.22	-3.71	-5.26	-6.74	-7.02	-5.8	-4.48	-3.32	-2.56	-2.38	-2.56	-2.98	-3.52	-3.37	-2.15	-0.88	-0.64	-1.6	-4.37	-9.44	-19.38	-20.85	-13.71	-10.05	-8.62	-8.35	-9.05	
130	-9.67	-10.37	-11.58	-12.84	-13.52	-13.34	-11.5	-9.01	-7.39	-5.43	-3.97	-3.98	-4.45	-5.43	-5.57	-4.55	-3.39	-2.61	-2.34	-2.38	-2.95	-3.84	-4.47	-4.15	-2.67	-1.05	-0.22	-0.42	-1.73	-4.15	-8.54	-15.41	-22.77	-15.14	-11.79	-10.52	-10.38	
140	-9.21	-9.88	-10.79	-11.74	-12.59	-13.28	-13.05	-12.2	-11.79	-11.73	-12.68	-14	-15.22	-14.92	-12.39	-8.78	-6.63	-5.49	-5.11	-5.33	-5.83	-6.61	-6.86	-5.82	-3.81	-2.14	-1.4	-1.26	-1.97	-3.54	-5.97	-8.96	-10.71	-10.84	-9.85	-9.19	-9.21	
150	-11.88	-12.8	-13.57	-13.73	-13.07	-11.81	-9.97	-9.16	-8.66	-7.11	-7.76	-8.95	-9.7	-9.62	-8.55	-7.14	-6.11	-5.9	-6.36	-7.78	-10.62	-15.37	-15.53	-10.06	-6.19	-3.9	-2.69	-2.28	-2.99	-3.49	-5.06	-6.68	-8.26	-9.46	-10.1	-10.57	-11.41	
160	-16.66	-17.77	-18.84	-20.14	-22.33	-26.12	-22.86	-17.78	-15.09	-13.47	-14.27	-15.3	-15.96	-13.64	-11.54	-9.15	-7.92	-7.32	-7.49	-8.58	-10.61	-14.29	-19.12	-15.02	-10.49	-7.08	-6.58	-5.86	-6.12	-7.16	-8.79	-10.68	-12.69	-14.65	-16.12	-17.19	-18.15	
170	-20.17	-20.3	-20.37	-20.37	-20.61	-21.22	-21.34	-20.98	-15.49	-14.84	-14.87	-15.33	-15.67	-14.41	-14.39	-14.79	-15.87	-17.72	-22.22	-28.64	-21.7	-15.28	-11.47	-9.11	-7.07	-6.03	-5.49	-5.34	-5.56	-6.09	-6.59	-7.49	-8.38	-9.11	-9.61	-9.94	-10.13	
180	-12.96	-13.2	-12.39	-11.08	-9.73	-8.69	-7.81	-7.25	-6.82	-6.44	-6.34	-6.41	-6.77	-7.53	-8.8	-9.39	-10.3	-11.17	-11.28	-11.26	-10.33	-9.31	-8.29	-7.72	-7.4	-7.29	-7.29	-7.23	-7.49	-7.8	-8.2	-8.69	-9.34	-10.22	-11.21	-12.14	-12.8	

Phi (V) Theta (deg.) Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	
0	-10.52	-6.53	-3.98	-2.02	-0.53	0.56	1.27	1.59	1.66	1.58	1.09	0.29	-0.93	-2.68	-5.67	-9.3	-17.15	-21.9	-10.65	-6.13	-3.13	-1.29	0.06	1.13	1.78	2.1	2.13	1.88	1.38	0.6	-0.54	-2.08	-4.54	-8.02	-13.74	-15.85	-9.82	
10	-12.15	-7.74	-4.64	-2.37	-0.65	0.56	1.36	1.81	0.78	1	0.9	0.07	-1.29	-3.39	-6.7	-11.86	-21.08	-13.51	-7.9	-4.89	-2.42	-0.89	0.25	1.02	1.53	1.71	1.66	1.42	0.9	0.17	-0.85	-2.38	-4.28	-7.23	-11.69	-15.81	-11.73	
20	-17.53	-10.37	-6.31	-3.59	-1.54	-0.07	0.91	1.47	1.51	1.44	0.82	-0.2	-1.74	-3.96	-7.64	-11.8	-16.35	-13.48	-8.13	-6.09	-3.85	-2.29	-1.15	-0.35	0.24	0.38	0.25	-0.15	-0.7	-1.45	-2.41	-3.65	-5.46	-8.04	-12.45	-20.97	-16.25	
30	-20.23	-15.21	-8.42	-4.76	-2.48	-1.05	-0.12	0.31	-0.73	-0.8	-1.24	-2.69	-4.45	-6.88	-9.58	-11.68	-12.44	-11.09	-8.78	-6.85	-5.1	-3.63	-2.5	-1.76	-1.14	-1.03	-1.22	-1.5	-1.93	-2.41	-2.85	-3.53	-4.52	-6.09	-8.75	-13.7	-32.41	
40	-14.15	-18.55	-9.99	-5.24	-2.24	-0.71	0.14	0.25	-0.29	-1.15	-2.62	-4.33	-5.71	-6.39	-6.79	-7.24	-8.45	-10.21	-12.13	-12.32	-10.19	-7.98	-5.8	-4.17	-3.02	-2.29	-2.12	-1.84	-1.72	-1.63	-1.71	-1.99	-2.43	-3.97	-5.77	-8.73	-14.27	
50	-10.99	-13.94	-10.19	-5.81	-2.89	-1.16	0.34	0.23	-1.13	-3.13	-4.41	-5.52	-5.43	-5.31	-6.02	-7.62	-10.89	-17.38	-27.66	-15.67	-10.85	-7.82	-5.57	-3.74	-2.14	-1.35	-0.98	-0.92	-1.01	-1.11	-1.14	-1.47	-2.19	-3.33	-5.06	-7.64	-11.53	
60	-13.29	-16.87	-10.55	-5.96	-3.28	-1.96	-1.47	-1.68	-2.38	-3.26	-4.41	-4.14	-3.25	-3.22	-4.24	-6.01	-8.94	-13.4	-20.79	-20.52	-14.74	-10.45	-7.39	-5.17	-3.56	-2.81	-3.17	-3.64	-4.06	-3.98	-3.52	-3.11	-3.34	-4.07	-5.74	-8.73	-13.22	
70	-8.16	-10.85	-10.3	-6.9	-4.12	-2.66	-2.53	-3.53	-6.41	-8.83	-7.77	-6.03	-4.27	-4.02	-5.12	-7.67	-12.64	-24.3	-19.26	-12.79	-9.7	-7.68	-5.98	-4.57	-3.43	-2.74	-2.56	-2.67	-2.76	-2.63	-2.39	-2.36	-2.48	-3.05	-4.16	-5.74	-8.31	
80	-10.55	-12.66	-11.78	-8.69	-6.19	-4.71	-4.09	-4.13	-4.95	-6.11	-5.79	-4.63	-4.47	-5.72	-8.93	-12.65	-19.38	-23.87	-17.51	-13.95	-10.96	-9.21	-7.44	-5.64	-4.06	-3.05	-3	-3.54	-4.52	-5.09	-5.23	-5.06	-5.18	-5.79	-7	-8.86	-11.22	
90	-8.63	-8.89	-7.14	-4.91	-3.48	-3.22	-4.15	-5.63	-8.34	-10.34	-7.55	-6.39	-6.24	-7.39	-9.02	-13.32	-15.75	-15.55	-14.11	-12.39	-10.81	-9.23	-7.6	-6.13	-5.09	-4.3	-4.16	-4.39	-4.8	-4.87	-4.95	-4.69	-4.71	-5.04	-5.84	-7.13	-8.38	
100	-10.98	-12.08	-11.58	-9.88	-8.13	-7.09	-6.82	-7.2	-8.09	-7.78	-6.96	-7.04	-8.56	-11.17	-13.18	-12.11	-10.95	-10.22	-10.14	-9.46	-8.32	-6.8	-5.18	-3.75	-3.06	-3.05	-3.73	-4.04	-4.16	-4.03	-3.72	-4.17	-4.73	-5.77	-7.13	-8.83	-9.8	
110	-12.82	-11.45	-9.48	-8.09	-7.54	-6.49	-10.61	-13.25	-15.04	-12.73	-10.5	-11.78	-14.19	-13.19	-10.57	-8.92	-8.71	-9.42	-10.42	-11.82	-12.74	-12.61	-10.82	-8.25	-5.94	-3.85	-3.25	-3.26	-3.58	-3.98	-4.4	-5.45	-6.78	-8.38	-10.9	-12.67	-12.61	
120	-21.22	-26.71	-18.42	-14.14	-12.2	-12.1	-13.82	-15.96	-15.18	-13.87	-14.64	-17.92	-20.66	-13.43	-9.22	-7.04	-6.57	-7.03	-8.11	-9.75	-11.23	-11.42	-10.55	-9.26	-7.89	-6.99	-5.08	-3.31	-2.44	-2.79	-4.03	-5.72	-7.75	-9.75	-12.35	-16.27	-22.2	
130	-23.77	-24.3	-23.28	-23.86	-27.03	-35.43	-23.42	-15.61	-12.3	-10.77	-10.79	-10.86	-8.93	-6.58	-5.44	-5.11	-5.69	-7.2	-8.93	-10.2	-10.46	-9.89	-9.23	-8.75	-7.78	-5.88	-3.63	-1.98	-1.52	-2	-3.46	-5.34	-7.78	-10.66	-14.43	-19.37	-25.43	
140	-7.67	-8.79	-9.74	-10.78	-12.09	-13.75	-15.84	-18.04	-17.75	-14.58	-14.31	-15.52	-13.09	-9.7	-7.23	-5.77	-5.73	-6.35	-7.03	-7.1	-6.66	-5.9	-5.47	-5.48	-5.3	-4.73	-3.86	-2.98	-2.28	-1.99	-2.04	-2.27	-3.05	-4.02	-5.1	-6.47	-7.67	
150	-8.8	-8.86	-10.04	-10.62	-10.35	-10.26	-10.67	-12.66	-16.1	-17.5	-19.5	-18.92	-15.64	-14.28	-13.65	-13.99	-13.61	-13.3	-13.47	-13.07	-8.47	-6.56	-5.4	-4.88	-5.09	-5.41	-6.24	-6.87	-6.35	-5.18	-4.11	-3.74	-3.77	-4.3	-5.11	-6.15	-7.47	-6.69
160	-12.55	-15.99	-21.83	-31.89	-22.85	-17.67	-15.71	-15.47	-15.89	-15.75	-13.62	-11.1	-9.84	-9.51	-10.3	-10.26	-12.11	-13.8	-13.79	-11.78	-9.36	-8.31	-8.57	-9.65	-10.49	-11.01	-10.8	-9.67	-8.61	-6.63	-5.56	-5.08	-5.08	-5.82	-6.68	-8.17	-10.09	-12.75
170	-17.18	-21.8	-27.13	-34.87	-24.74	-17.19	-13.06	-12.47	-13.06	-12.47	-11.38	-9.71	-8.17	-8.18	-8.17	-8.18	-9.71	-11.38	-12.47	-13.06	-12.47	-11.38	-9.71	-8.17	-8.18	-8.17	-8.18	-9.71	-11.38	-12.47	-13.06	-12.47	-11.38	-9.71	-8.17	-8.18	-8.17	-8.18
180	-6.54	-6.7	-7.06	-7.57	-8.22	-9.21	-10.46	-12.3	-14.61	-15.88	-16.72	-14.86	-12.72	-10.75	-9.42	-7.85	-6.49	-4.47	-5.96	-5.97	-6.29	-6.05	-7.31	-8.24	-9.05	-10.05	-9.46	-8.51	-8.02	-8.42	-7.86	-7.43	-6.99	-6.47	-6.4	-6.4		

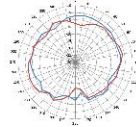
Phi (°)	Theta (deg.)																																					
Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	
0	7.25	-6.14	-5.21	-4.36	-3.79	-3.45	-3.48	-3.71	-4.42	-4.86	-4.77	-6.68	-7.8	-8.53	-9.13	-8.15	-7.61	-5.8	-4.7	-3.62	-2.57	-1.92	-1.68	-1.67	-1.67	1.87	-2.41	-2.79	-3.43	-4.14	-5.11	-6.2	-7.53	-8.07	-8.28	-7.47	-6.91	
10	-6.47	-5.26	-4.33	-3.58	-3.14	-2.82	-2.69	-3.11	-3.72	-4.39	-4.98	-6.92	-8.09	-8.99	-9.48	-8.48	-7.94	-6.18	-5.07	-3.92	-3.19	-2.42	-1.92	-1.52	-1.47	-1.22	-1.44	-2.07	-3.00	-4.41	-5.74	-6.7	-7.92	-8.13	-7.12	-6.56		
20	-5.84	-4.59	-3.57	-2.82	-2.25	-2.27	-2.48	-3.45	-4.4	-5.68	-7.2	-8.81	-10.4	-10.15	-9.59	-8.1	-7.1	-5.06	-4.2	-3.4	-2.59	-1.85	-1.42	-1.2	-1.38	-2.08	-3.12	-4.57	-6.17	-7.79	-10.04	-11.29	-11.98	-10.9	-10.28			
30	-5.48	-4.01	-3.85	-3.22	-2.73	-2.55	-3.28	-4.28	-5.43	-7.12	-8.6	-7.9	-8.94	-9	-10.72	-12.39	-15.08	-17.9	-15.48	-11.8	-8.6	-5.59	-3.89	-2.57	-1.88	-1.59	-1.77	-3.36	-5.44	-8.41	-6.3	-7.81	-8.09	-7.28	-6.14	-5.12		
40	-6.92	-6.01	-5.57	-5.28	-5.02	-4.65	-3.7	-2.25	-2.85	-3.35	-2.45	-1.05	-5.85	-7.79	-9.91	-11.08	-14.45	-20.08	-26.18	-28.98	-25.28	-21.2	-14.89	-13.5	-14.04	-2.4	-1.84	-1.4	-1.37	-1.71	-2.66	-4.17	-6.35	-7.84	-8.28	-7.58	-6.63	
50	-7.07	-6.09	-5.2	-4.43	-3.61	-3.17	-3.06	-2.18	-1.66	-1.1	-0.85	-1.59	-2.62	-4.45	-6.62	-9.17	-13.04	-19.71	-20.79	-13.17	-8.83	-5.59	-3.87	-2.48	-1.34	-0.69	-0.1	-0.07	-0.16	-0.84	-1.98	-3.39	-6.07	-7.83	-8.4	-7.89	-6.93	
60	-8.78	-6.72	-6.06	-5.3	-4.39	-3.47	-3.1	-2.0	-1.11	-0.69	-0.75	-1.28	-2.32	-4.55	-6.99	-11.33	-18.49	-28.13	-18.08	-11.91	-8.08	-5.52	-3.11	-1.73	-0.48	-0.19	-0.24	-0.23	-1.17	-2.48	-4.83	-7.78	-9.05	-8.1	-7.28	-6.95		
70	-8.85	-7.39	-6.67	-5.7	-4.75	-3.82	-3.58	-2.45	-1.35	-0.85	-0.78	-1.18	-2.18	-4.53	-7.19	-11.39	-18.34	-28.12	-18.34	-12.12	-8.18	-5.54	-3.17	-1.89	-0.62	-0.28	-0.24	-0.22	-1.05	-2.14	-4.24	-6.45	-7.4	-6.54				
80	-6.65	-4.79	-3.09	-1.9	-0.9	-0.7	-0.88	-0.01	0.45	0.83	0.38	-0.22	-1.74	-3.3	-6.38	-7.88	-9.3	-11.37	-14.8	-20.04	-22.93	-15.86	-11.73	-5.44	-3.43	-2.63	-3.18	-1.02	-2.52	-2.29	-5.88	-4.48	-5.04	-6.75	-7.43	-6.47		
90	-10.34	-9.06	-4.54	-2.98	-1.59	-1.03	-0.49	0.19	0.39	0.52	0.24	-0.17	-2.04	-2.76	-4.57	-6.17	-7.47	-9.13	-11.23	-13.65	-16.36	-17.97	-15.31	-12.25	-8.99	-8.22	-7.57	-4	-4.22	-3.09	-2.69	-3.22	-4.63	-7.07	-10.04	-13.33	-15.44	
100	-8.58	-5.99	-3.63	-1.74	-0.44	0.19	0.18	-1.23	-0.59	-0.49	-0.8	-1.9	-3.09	-5.11	-6.33	-7.68	-9.41	-11.66	-14.05	-16.13	-15.81	-14.23	-12.8	-10.77	-8.66	-7.45	-5.65	-4.28	-3.24	-2.89	-3.23	-4.27	-5.85	-7.71	-8.83	-7.78		
110	-10.17	-8.39	-7.06	-5.12	-3.27	-1.71	-0.05	-0.41	-1.4	-1.19	-0.94	-1.58	-3.19	-3.18	-4.55	-5.44	-6.66	-8.97	-10.87	-10.62	-10.59	-9.67	-8.85	-8.28	-7.83	-7.88	-6.88	-5.63	-4.67	-4.03	-5.45	-7.47	-9.33	-10.52	-12.2	-12.9		
120	-13.13	-10.40	-8.11	-6.49	-5.07	-3.42	-2.34	-1.28	-0.54	-0.28	-0.32	-0.84	-1.84	-2.48	-3.33	-4.65	-6.35	-8.91	-11.77	-13.38	-14.77	-14.66	-13.79	-12.95	-12.38	-11.72	-11.22	-8.58	-6.84	-5.18	-4.59	-5.59	-7.58	-9.55	-11.58	-13.55		
130	-14.47	-13.34	-10.83	-8.60	-6.85	-4.28	-2.55	-2.34	-1.04	-3.2	-1.51	-2.0	-2.47	-3.45	-4.85	-6.8	-9.31	-12.79	-16.73	-21.04	-25.22	-26.61	-25.68	-22.1	-19.07	-16.43	-15.63	-16.73	-19.04	-20.95	-22.19	-19.7	-16.33	-13.98	-12.07	-12.02	-13.1	
140	-13.45	-15.49	-18.08	-17.71	-17.17	-17.34	-14.55	-3.37	-3.57	-3.39	-4.34	-5.4	-6.60	-5.71	-6.66	-6.51	-7.37	-8.99	-9.78	-11.54	-13.87	-15.99	-18.65	-22.35	-26.73	-24.95	-15.47	-18.23	-26.21	-32.14	-26.04	-20.26	-15.23	-11.73	-12.56	-12.12	-14.26	
150	-13.73	-14.43	-16.6	-16.21	-16.29	-13.96	-10.11	-6.93	-7.22	-7.12	-6.31	-7.42	-7.1	-7.28	-7.67	-8.33	-9.45	-11.11	-13.11	-16.04	-20.34	-26.98	-29.81	-29.95	-26.95	-16.38	-19.47	-31.23	-17.03	-14.47	-17.17	-15.12	-11.60	-14.28	-19.71	-16.63	-14.94	-14.37
160	-25.09	-18.94	-16.73	-16.5	-18.38	-19.73	-22.48	-17.48	-14.55	-11.88	-9.02	-8.67	-7.77	-7.59	-7.62	-8.21	-9.53	-10.9	-11.3	-12.82	-14.35	-16.07	-17.94	-20.88	-22.45	-21.51	-14	-11.41	-19.15	-17.72	-7.66	-8.75	-10.54	-13.98	-20.09	-45.51	-22.46	
170	-13.73	-18.94	-16.73	-16.5	-18.38	-19.73	-22.48	-17.48	-14.55	-11.88	-9.02	-8.67	-7.77	-7.59	-7.62	-8.21	-9.53	-10.9	-11.3	-12.82	-14.35	-16.07	-17.94	-20.88	-22.45	-21.51	-14	-11.41	-19.15	-17.72	-7.66	-8.75	-10.54	-13.98	-20.09	-45.51	-22.46	
180	-10.15	-11.11	-12.41	-14.09	-16.52	-19.47	-23.18	-29.38	-37.01	-33.08	-11.29	-3.31	-0.41	-8.5	-8.53	-11.66	-12.68	-13.78	-14.54	-13.43	-11.89	-10.3	-8.47	-6.3	-8.38	-8.38	-6.73	-6.3	-5.95	-6.08	-6.5	-6.94	-8.18	-9.09	-10.15			

Theta (°) \ Theta (deg.) \ Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
0	-13.74	-11.18	-8.41	-6.18	-4.48	-3.33	-2.22	-1.48	-1.13	-1.1	-1.47	-1.96	-2.59	-3.65	-5.12	-6.95	-9.39	-11.79	-11.7	9.3	-6.57	-4.55	-3.31	-2.37	-1.53	-1.28	-1.02	-1.11	-1.48	-1.79	-2.46	-3.39	-5	-7.01	-9.6	-12.79	-15.71
10	-13.88	-21.5	-19.82	-12.97	-9.6	-7.33	-5.64	-4.25	-3.13	-2.18	-1.71	-1.65	-2.25	-3.47	-5.08	-7.27	-9.49	-10.55	-8.49	-5.88	-3.69	-2	-0.88	-0.09	0.45	0.47	0.06	-0.46	-0.99	-1.67	-2.46	-3.13	-4.04	-5.05	-6.66	-8.52	-13.87
20	-20.09	-27.62	-16.87	-12.64	-10.51	-9.19	-8.25	-7.06	-4.9	-3.93	-3.4	-3.3	-4.48	-6.06	-8.24	-10.09	-10.1	-18.3	-10.82	-6.17	-2.97	-0.77	0.54	0.97	0.65	0.03	-0.93	-1.47	-1.82	-1.89	-2.71	-4.52	-7.28	-11.54	-19.25		
30	-17.42	-12.06	-18.44	-11.54	-13.52	-10.35	-8.52	-8.68	-7.27	-6.74	-3.62	-4.14	-6.07	-9.45	-13.77	-14.08	-16.11	-31.51	-15.72	-9.14	-5.87	-3.45	-1.47	0.17	1.15	1.19	0.49	-0.59	-1.21	-1.16	-1.06	-1.66	-3.5	-6.93	-12.53	-26.38	-17.82
40	-11.2	-23.52	-11.2	-6.17	-4.99	-4.91	-11.43	-11.69	-8.65	-6.34	-7.39	-11.42	-16.52	-21.25	-7.59	-15.84	-15.26	-10.09	-5.94	-3.17	-1.34	-0.5	-0.39	-0.07	0.91	2.03	2.08	0.7	-0.59	-0.34	-1.02	-2.19	-2.94	-3.21	-4.12	-6.28	-10.95
50	-6.76	-13.76	-19.94	-8.45	-5.15	-5.58	-8.67	-13.9	-15.26	-10.09	-18.97	-18.56	-9.87	-7.6	-11.18	-14.59	-22.01	-11.13	-5.59	-2.55	-0.85	0.21	0.9	1.25	1.61	2.13	2.04	0.73	-0.27	0.62	0.74	-1.08	-2.98	-3.53	-3.09	-3.91	-6.66
60	-5.51	-10.98	-17.68	-13.98	-11.25	-11.35	-11.49	-15.28	-16.52	-13.29	-14.46	-3.58	-1.03	-2.33	-4.57	-12.77	-10.88	-2.67	0.38	1.82	2.44	2.8	1.83	1.64	0.78	-1.17	-3.78	-2.54	-6.28	0.02	-1.17	-3.57	-3.32	-2.59	-3.3	-5.37	
70	-6.88	-18.12	-14.98	-9.99	-12.31	-14.55	-9.13	-5.76	-6.04	-8.64	-15.63	-9.76	-1.77	0.6	-1.69	-3.89	-12.05	-7.08	-0.87	1.6	2.6	2.78	2.13	0.96	0.51	-0.74	-1.87	-4.6	-4.06	-2.37	-1.05	-1.89	-2.62	-1.71	-1.7	-3.08	-6.76
80	-8.04	-22.58	-10.53	-4.87	-2.63	-4.6	-7.77	-6.77	-8.68	-12.89	-8.13	-4.12	-4.61	0.97	0.52	-4.43	-16.79	-4.5	0	3.47	3.33	2.92	0.2	-3.89	-1.79	-2.64	-1.29	-3.54	-3.01	-3.16	-3.64	-6.37	-5.97	-3.6	-3.39	-3.09	-7.78
90	-12.1	-19.44	-5.31	-0.14	0.11	-5.53	-5.09	-11.56	-7.89	-16.49	-4.1	-4.72	-9.62	3.2	2.89	1.43	-5.2	-15.92	-3.18	0.31	1.79	1.71	-1.13	-5.76	-3.3	-5.07	-5.73	-2.25	-1.47	-4.86	-5.36	-10.68	-10.39	-2.85	-6.68	-2.72	-7.3
100	-5.72	-9.62	-8.86	-1.28	-1.7	-8.05	-6.81	-4.69	-3.98	-17.84	-10.7	-5.17	-7.06	0.96	2.55	0.98	-4.17	-14.8	-4.18	-3.77	-1.12	-2.93	-5.15	-3.01	-3.79	-7.19	-10.41	-7.02	-3.14	-2.95	-12.08	-14.51	-17.5	-6.57	-3.97	-4.16	-5.75
110	-4.97	-4.94	-3.63	-1.14	-4.09	-3.95	-6.14	-3.83	-6.08	-12.44	-6.42	-1.02	-1.82	-1.48	0.34	-2.41	-10.51	-10.44	-4.63	-2.35	-2.74	-6.77	-10	-4.2	-3	-4.91	-8.81	-13.98	-4.34	-7.39	-16.3	-18.04	-14.52	-8.64	-6.57	-5.68	-5.51
120	-5.07	-5.73	-3.74	-0.74	-0.55	-5.16	-7.07	-9.08	-6.17	-2.39	-4.36	-3.14	-1.51	0.64	0.44	-2.93	-4.48	-2.15	-0.57	-0.06	-1.19	-4.59	-13.05	-11.98	-4.99	-4.8	-8.97	-14.32	-12.08	-9.89	-13.67	-17.7	-23.98	-14.64	-8.3	-6.08	-5.19
130	-6.87	-10.27	-4.8	-4.19	-3.51	-3.65	-11.03	-5.37	-1.52	0.88	-5.32	-13.41	-5.8	1.64	2.44	-1.38	-4.67	-4.33	0.59	0.05	-0.64	-3.35	-7.4	-18.27	-12.73	-15.13	-20.44	-14.28	-14.44	-7.35	-11.54	-13.69	-8.83	-5	-4.07	-3.59	-6.94
140	-10.51	-15.58	-7.7	-3.71	-4.35	-3.72	-8.19	-3.51	-0.89	-1.81	-2.57	-5.56	-6.97	-3.53	-1.13	-1.91	-4.41	-4.81	-3.63	-3.39	-5.05	-13.52	-7.48	-6.03	-5.59	-11.73	-14.09	-10.07	-17.09	-21.18	-12.2	-9.44	-8.17	-6.98	-2.26	-10.47	
150	-21.25	-20.27	-13.92	-13.4	-19.28	-17.29	-9.25	-4.52	-3.9	-4.41	-1.66	-0.36	-0.73	-2.37	-4.14	-6.03	-7.99	-6.29	-10.17	-11.84	-14.67	-18.05	-18.69	-15.56	-12.37	-11.53	-16.87	-20.85	-11.59	-11.96	-11.09	-8.2	-7.23	-7.82	-9.19	-12.09	-20.61
160	-16.32	-20.3	-20.37	-24.24	-19.98	-11.76	-7.77	-4.5	-3.89	-3.43	-3.19	-2.93	-3.78	-5.19	-4.13	-6.56	-6.76	-8.29	-10.81	-15.76	-27.3	-22.29	-15.92	-13.05	-10.57	-10.3	-11.91	-15.66	-17.03	-17.97	-17.68	-14.5	-13.12	-11.52	-11.85	-13.42	-16.32
170	-22.65	-26.1	-30.03	-26.4	-27.5	-14.64	-10.54	-8	-7.04	-7.14	-7.72	-8.29	-8.15	-6.04	-8.32	-8.77	-6.61	-10.97	-12.79	-16.28	-18.24	-15.59	-11.4	-12.68	-11.73	-10.31	-9.62	-10.37	-12.27	-14.55	-15.11	-15.71	-16.29	-17.48	-20.09	-22.13	-22.37
180	-17.18	-24.82	-34.24	-23.96	-16.57	-13.21	-10.58	-8.84	-7.83	-7.39	-7.71	-8.13	-8.67	-9.28	-9.79	-10.28	-11.25	-12.69	-13.95	-16.94	-14.51	-12.21	-9.93	-8.09	-6.52	-6.09	-6.79	-7.51	-9.4	-10.64	-11.52	-11.53	-11.79	-12.37	-13.64	-14.73	-17.3



Φ (°) \ Θ (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
0	-1.75	-1.78	-1.95	-2.44	-3.49	-4.74	-6.54	-9.09	-11.63	-12.18	-9.94	-7.28	-5.27	-3.82	-2.88	-1.89	-1.24	-1.09	-1.05	0.11	-0.79	-2.75	-3.87	-4.83	-6.51	-9.38	-12.63	-12.91	-10.51	-8.18	-6.18	-4.34	-3.46	-3.09	-2.65	-1.9	-2.21
10	-4.46	-4.38	-4.23	-4.14	-4.25	-4.57	-4.95	-5.98	-8.38	-13.65	-16.41	-12.69	-7.11	-4.05	-2.18	-1.07	-0.57	-0.94	0.11	-0.08	-0.42	-1.37	-2.75	-4.16	-5.18	-6.02	-6.22	-5.97	-6.13	-6.54	-6.68	-6.78	-6.77	-6.49	-5.76	-5.13	-5.03
20	-6.13	-7.14	-8.61	-9.82	-9.69	-8.34	-6.2	-4.3	-4.71	-6.53	-11.68	-23.89	-11.28	-7.07	-4.84	-3.37	-2.27	-0.99	-0.01	0.54	0.53	-0.05	-0.99	-2.07	-3.44	-4.07	-3.75	-3.78	-4.38	-7.62	-12.07	-13.03	-10.83	-7.44	-5.95	-5.69	-5.82
30	-6.28	-6.79	-15.76	-19.91	-12.44	-8.42	-5.31	-3.56	-3.24	-4.68	-7.37	-11.71	-14.55	-10.01	-6.43	-3.32	-0.89	0.8	1.4	1.7	1.66	1.32	0.43	-1.45	-3.53	-3.48	-3.22	-4.17	-6.68	-10.37	-11.14	-7.37	-4.29	-3.18	-3.38	-4.21	-6.17
40	-4.4	-5.81	-10.32	-18.3	-14.96	-9.78	-6.61	-3.72	-3.55	-3.18	-5.71	-11.62	-18.07	-6.58	-2.44	-0.53	0.53	0.69	0	0.45	-0.18	-1.2	-2.04	-4.13	-5.77	-7.07	-8.94	-10.78	-11.15	-12.55	-8.63	-2.93	-0.97	-5.05	-5.98	-4.89	-4.36
50	-1.38	-2	-3.96	-7.77	-11.88	-22.55	-10.24	-4.46	-4.02	-4.91	-10.08	-12.52	-4.23	-0.28	-0.16	-2.4	-4.26	-3.09	-3.01	2.3	-2.17	-2.42	-2.96	-3.59	-4.12	-4.4	-4.57	-4.72	-4.25	-4.95	-6.19	-6.48	-10.45	-7.06	-3.1	-1.6	-1.3
60	-1.34	-3.46	-5.39	-6.01	-7.58	-11.69	-17.12	-8.83	-4.7	-4.83	-9.94	-10.48	-3.34	-0.58	-1.77	-6.31	-5.4	-3.02	-1.71	-0.89	-0.78	-1.33	-1.84	-2.78	-3.73	-3.48	-3.73	-3.48	-6.8	-4.38	-6.73	-11.36	-17.99	-2.64	-0.38	-0.31	-1.34
70	-4.89	-9.81	-11.19	-6.46	-5.94	-10.95	-16.38	-8.89	-4.59	-2.86	-4.64	-10.91	-7.7	-4.08	-2.91	-2.67	-2.54	-2.51	-2.09	-1.74	-1.97	-2.22	-2.08	-3.13	-7.09	-14.54	-19.81	-7.21	-4.4	-4.26	-7.37	-9.89	-5.92	-2.59	-1.15	-2.06	-4.93
80	-4.36	-7.18	-17.08	-12.35	-11.51	-11.61	-14.28	-14.55	-3.3	-3.94	-5.77	-9.99	-9.97	-4.41	-0.54	-0.46	-3.79	-6.31	-4.5	-5.96	-5.08	-3.97	-3.34	-4.67	-10.08	-17.49	-22.5	-22.89	-8.39	-4.06	-5.76	-9.78	-5.56	-3.11	-2.1	-3.94	-4.43
90	-7.85	-8.58	-10.55	-10.47	-11.82	-10.04	-9.15	-5.51	-2.37	-3.11	-10.51	-15.52	-5.78	-2.01	-0.39	-1.18	-4.13	-5.04	-4.02	-3	-2.49	-2.32	-2.76	-4.52	-7.69	-10.44	-10.71	-10.27	-13.1	-7.7	-8.42	-10.79	-5.83	-4.94	-6.77	-6.02	-8.03
100	-9.75	-10.6	-9.07	-7.53	-11.41	-14.69	-9.37	-7.05	-5.49	-6.72	-7.92	-16.7	-8.65	-5.02	-1.85	-0.27	0.01	-0.09	-0.36	-1.17	-2.45	-3.3	-3.35	-3.57	-3.83	-5.43	-14.53	-6.33	-7.77	-18.07	-15.71	-9.12	-7.03	-9.89	-14.65	-10.77	-9.79
110	-6.39	-6.28	-6.59	-9.25	-20.14	-13.99	-10.59	-12.77	-8.49	-10.67	-9.71	-9.52	-7.59	-7.94	-6.23	-1.16	1.54	1.69	0.38	-1.63	-3.71	-4.37	-4.28	-3.97	-1.88	-3.14	-20.2	-4.88	-6.44	-7	-6.76	-6.58	-7.34	-9.81	-17.34	-9.49	-6.97
120	-6.72	-6.14	-6.95	-9.99	-14.62	-10.1	-14.47	-10.61	-28.39	-20.04	-14.93	-11.37	-4.72	-7.61	-8.3	-3.69	0	1.83	0.01	-1.85	-3.34	-3.86	-4.85	-7.21	-5.54	-6.24	-20.14	-6.77	-3.82	-6.65	-3.91	-3.81	-11.36	-8.34	-5.61	-6.83	-6.77
130	-10.16	-6.19	-2.96	-7.65	-15.58	-14.42	-16.72	-10.74	-9.55	-25.46	-16.66	-11.2	-6.03	-8.46	-4.65	-3.38	-3.55	-3.49	-3.38	-2.78	-2.67	-3.5	-3.55	-3.98	-3.82	-5.3	-4.65	-14.21	-7.97	-5.88	-4.47	-2.88	-6.67	-18.52	-3.86	-6.68	-6.34
140	-2.41	-2.53	-4.54	-9	-13.24	-15.53	-16.19	-10.17	-5.5	-12.31	-11.08	-8.66	-13.86	-29.52	-6.97	-4.1	-2.52	-2.59	-3.89	-4.56	-4.85	-4.77	-7.37	-9.98	-7.79	-6.89	-14.24	-10.84	-10.65	-18.25	-5.77	-3.11	-4.4	-10.33	-15.13	-5.58	-3.73
150	-6.25	-6.28	-8.51	-11.48	-14.12	-19.13	-22.74	-13.43	-17.07	-17.31	-10.49	-12.88	-18.18	-23.78	-3.69	-2.38	-2.79	-3.76	-4.48	-4.91	-6.03	-8.77	-14.11	-17.93	-25.73	-13.69	-6.28	-3.96	-4.2	-6.62	-11.63	-20.56	-21.85	-11.13	-12.12	-7.73	-6.78
160	-7.95	-8.47	-9.95	-12.32	-13.85	-17.13	-14.3	-16.29	-12.15	-9.13	-10.08	-14.13	-13.26	-16.65	-6.58	-4.99	-3.13	-1.81	-1.27	-1.71	-1.73	-2.65	-4.47	-7.28	-12.39	-10.77	-7.88	-6.15	-5.4	-5.63	-6.21	-7.46	-9.96	-7.85	-6.89	-6.77	
170	-11.25	-11.28	-11.37	-11.41	-11.45	-11.48	-11.51	-11.54	-11.57	-11.6	-11.63	-11.66	-11.69	-11.72	-11.75	-11.78	-11.81	-11.84	-11.87	-11.9	-11.93	-11.96	-11.99	-12.02	-12.05	-12.08	-12.11	-12.14	-12.17	-12.2	-12.23	-12.26	-12.29	-12.32	-12.35	-12.38	-12.41
180	-10.24	-10.38	-10.43	-11.66	-13.89	-13.89	-14.61	-18.82	-19.15	-18.78	-17.17	-14.99	-13.54	-11.4	-9.21	-9.22	-9.1	-9.19	-9.72	-10.25	-10.77	-11.82	-12.33	-13.38	-13.54	-14.65	-14.94	-15.36	-17.79	-17.65	-14.65	-11.64	-11.24	-11.27	-10.61	-10.23	

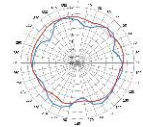
Theta (°) Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
0	-8.63	-10.76	-13.71	-16.54	-17.68	-17.08	-14.26	-11.73	-9.85	-8.52	-7.43	-6.54	-5.79	-5.47	-5.34	-5.31	-5.65	-6.73	-8.27	-10.08	-11.9	-14.43	-16.13	-15.54	-13.56	-11.49	-9.28	-8.1	-7.29	-6.58	-6.17	-5.5	-5.53	-5.83	-6.36	-7.38	-8.48
10	-5.38	-6.5	-8.31	-10.97	-14.8	-18.71	-16.63	-12.8	-9.83	-7.9	-6.35	-5.47	-5.3	-5.47	-5.69	-6.12	-6.7	-7.48	-8.56	-9.47	-10.84	-13.59	-17.32	-19.49	-17.37	-14.12	-11.6	-9.72	-8.36	-6.94	-5.8	-4.81	-4.31	-3.98	-4.03	-4.51	-5.79
20	-7.19	-9.83	-12.99	-15.54	-17.66	-21.6	-19.79	-12.59	-7.93	-4.97	-3.32	-2.26	-2.48	-2.61	-2.41	-2.34	-2.64	-3.11	-3.56	-4.48	-5.86	-7.27	-9.71	-13.33	-18.07	-16.83	-13.34	-10.49	-8.19	-6.35	-5.18	-4.39	-4.04	-4.37	-5.1	-7.28	
30	-5.14	-7.83	-9.91	-10.52	-10.94	-12.63	-14.49	-14.96	-11.15	-6.36	-2.86	-0.86	-0.12	0.21	0.35	0.31	0.02	-0.56	-1.34	-2.06	-2.81	-3.66	-4.51	-5.15	-5.62	-5.24	-3.86	-2.84	-1.49	-0.49	-0.45	-1.14	-1.12	-0.95	-1.29	-2.75	-5.45
40	-5.51	-6.29	-6.15	-5.77	-5.83	-6.8	-8.15	-8.25	-7.24	-4.38	-1.21	0.29	0.51	0.69	1.82	2.08	1.57	0.35	-0.87	-1.71	-2.13	-2.58	-2.81	-3.51	-3.59	-1.18	-13.76	-13.46	-17.69	-18.36	-8.17	-2.59	-0.63	-0.91	-2.35	-4.36	-6.04
50	-9.63	-10.46	-7.1	-3.89	-2.33	-2.63	-4.45	-4.58	-4.19	-2.76	-0.51	0.54	0.89	1.99	3.31	3.39	1.56	-1.56	-2.7	-4.02	0.49	0.66	-0.27	-2.31	-5.65	-9.08	-7.73	-7.78	-12.15	-25.61	-7.28	-2.52	-2.07	-3.04	-5.31	-7.07	-9.97
60	-8.1	-16.09	-21.47	-10.79	-7.61	-6.97	-8.13	-4.32	-2.14	-1.8	-0.94	0.02	0.51	1.49	3.5	3.87	1.55	-2.89	-2.7	0.04	1.33	1.44	0.76	-1.73	-6.29	-5.4	-2.04	-3.51	-8.06	-18.69	-11.37	-6.89	-7.16	-6.81	-5.82	-6.09	-8.61
70	-8.49	-11.34	-16.68	-21.1	-15.18	-10.07	-15.78	-5.62	-3.81	-1.23	-0.25	1.24	0.01	0.99	2.77	3.14	2.27	-3.46	-5.75	-1.25	0.8	1.57	1.18	-1.15	-5.73	-2.94	-4.31	-8.45	-9.09	-11.38	-9.7	-13.7	-15.76	-10.42	-7.21	-6.93	-8.46
80	-19.54	-18.92	-20.53	-19.15	-8.18	-5.57	-11.24	-6.42	-2.37	-0.54	0.45	1.99	0.01	-3.88	1.67	3.83	2.38	-4.01	-14.13	-2.43	0.83	1.26	-0.42	-4.08	-6.82	-1.99	-2.15	-7.43	-5.57	-3.58	-6.66	-18.77	-21.16	-17.81	-16.51	-18.16	-19.57
90	-10.38	-13.57	-15.9	-10.15	-7.10	-3.53	-9.17	-10.17	-4.5	-0.32	0.19	0.57	1.55	-4.4	-1.21	1.58	0.18	-6.73	-13.96	-2.66	-0.25	-0.03	-3.29	-9.75	-8.33	-0.55	-1.35	-3.08	-2.95	-1.66	-5.26	-11.19	-9.56	-10.62	-13.24	-10.61	-10.54
100	-9.69	-10.71	-9.86	-6.14	-6.53	-6.21	-6.31	-11.53	-5.52	-0.65	-1.25	-0.87	0.47	-4.31	-7.31	-2.14	-3.77	-9.76	-15.86	-5.62	-2.46	-2.48	-5.46	-11.14	-6.5	-1.45	-1.84	-4.37	-5.36	-3.77	-6.82	-8.49	-5.3	-6.4	-10.4	-11.25	-9.93
110	-29.46	-11.39	-7.08	-4.8	-8.12	-3.56	-2.09	-1.66	-4.13	-3.18	-1.69	-0.01	0.32	-3.05	-7.4	-8.23	-11.82	-16.49	-10.98	-4.86	-4.97	-5.07	-7.11	-9.58	-4.49	-3.81	-3.1	-3.65	-5.38	-4.47	-5.18	-7.32	-4.73	-6.07	-8.1	-13.08	-31.76
120	-15.38	-15.19	-7.7	-7.74	-10.31	-3.87	-6.1	-1.62	-6.19	-11.26	-6.04	-2.48	-2.75	-5.61	-9.08	-3.72	-19.55	-14.54	-11.33	-10.18	-9.82	-9.77	-10.51	-12.23	-8.81	-8.49	-5.54	-3.07	-5.49	-5.27	-4.1	-6.07	-9.22	-8.69	-7.51	-9.35	-18.12
130	-14.69	-21.34	-12.68	-12.66	-9.08	-3.23	-1.57	-3.64	-3.59	-7	-13.94	-7.59	-6.07	-8.41	-10.09	-4.79	-12.66	-32.34	-18.85	-12.76	-10.49	-10.91	-13.24	-16.57	-17.68	-13.25	-5.74	-2.69	-3.89	-6.21	-7.24	-7.92	-7.84	-6.46	-7.03	-9.5	-14.54
140	-15.76	-21.11	-11.53	-8.89	-8.99	-8.15	-5.21	-3.41	-3.53	-5.23	-7.81	-8.58	-7.94	-9.01	-13.84	-14.36	-12.4	-13.54	-17.06	-20.55	-19.16	-16.17	-14.61	-18.63	-15.69	-4.46	-5.1	-7.76	-6.27	-5.48	-6.18	-7.63	-7.98	-7.18	-7.44	-9.59	-15.49
150	-15.06	-10.62	-8.66	-8.92	-8.22	-5.99	-5.48	-7.95	-9.77	-9.43	-11.56	-11.76	-15.23	-10.77	-8.23	-9	-9.05	-10.4	-12.66	-14.85	-18.63	-21.18	-18.66	-14.7	-13.55	-16.58	-11.42	-3.99	-5.34	-6.15	-8.99	-10.88	-11.99	-10.63	-11.1	-14.43	-15.46
160	-17.07	-12.41	-10.7	-10.52	-10.75	-9.49	-7.94	-8.09	-11.56	-20.87	-16.25	-13.4	-12.15	-11.78	-10.8	-9.85	-9.24	-9	-9.09	-9.35	-10.07	-11.25	-12.47	-13.32	-12.41	-11.72	-11.78	-13.03	-14.21	-14.02	-11.77	-10.07	-10.08	-11.47	-14.62	-20.11	-17.32
170	-15.95	-13.59	-13.86	-13.26	-15.11	-18.78	-21.04	-20.11	-20.03	-24.19	-23.4	-20.89	-19.35	-17.99	-15.61	-14.14	-12.92	-12.01	-11.59	-11.75	-12.37	-13.34	-14.04	-14.03	-14.4	-14.5	-13.82	-12.4	-11.25	-10.49	-10.11	-10.13	-10.4	-12.38	-15.5	-17.35	-16.01
180	-19.32	-17.63	-16.61	-15.95	-15.98	-16.53	-17.73	-19.34	-20.36	-21.11	-21.6	-21.96	-21.87	-19.35	-16.58	-14.53	-13.9	-14.34	-14.83	-14.75	-14.49	-14.19	-13.97	-14.23	-14.63	-14.72	-14.4	-15.58	-16.33	-17.12	-18.67	-20.4	-23.59	-31.25	-32.1	-23.1	-19.15



Phi (°) Theta (deg.) Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	
0	-8.72	-7.4	-6.72	-6.36	-6.09	-5.94	-6.17	-6.79	-7.28	-8.4	-10.07	-11.78	-13.89	-15.75	-16.35	-14.28	-11.5	-9.29	-7.72	-6.49	-5.71	-5.17	-4.92	-4.78	-5.25	-6.47	-7.28	-8.59	-9.89	-11.5	-13.64	-14.77	-15.4	-14.55	-12.37	-10.46	-8.75	
10	-12.13	-9.23	-7.31	-6.31	-6	-5.57	-5.33	-5.81	-6.57	-8.25	-10.93	-15.05	-23.32	-30.59	-20.82	-16.14	-13.47	-11.6	-9.74	-8.69	-7.7	-6.69	-6.23	-6.13	-6.11	-5.91	-5.64	-5.7	-5.4	-5.84	-6.4	-7.4	-10.32	-13.1	-15.75	-15.08	-12.71	
20	-13.63	-11.39	-9.72	-7.75	-6.12	-4.84	-4.01	-3.4	-3.66	-3.97	-5.52	-8.79	-13.26	-15.1	-16.25	-19.89	-26.4	-22.97	-17.37	-14.09	-11.49	-10.48	-9.28	-8.33	-7.78	-6.92	-4.95	-3.84	-3.36	-3.56	-4.29	-5.86	-8.44	-12.41	-19.38	-19.1	-13.92	
30	-11.38	-10.87	-9.61	-6.99	-4.34	-2.31	-1.23	-0.73	-0.63	-1.18	-3.08	-6.11	-8.57	-8.28	-7.73	-8.66	-12.34	-20.21	-17.56	-12.4	-9.91	-9.07	-8.2	-9.15	-7.69	-5.56	-3.49	-1.95	-1.51	-1.98	-2.97	-5.17	-8.96	-16.14	-17.25	-12.94	-11.68	
40	-6.54	-5.83	-5.06	-3.15	-1.43	0.03	0.14	-0.66	-0.67	-0.94	-2	-4.52	-5.61	-3.13	-2.49	-5.57	-11.62	-18.12	-10.85	-4.05	-4.36	-4.34	-5.93	-8.53	-7.8	-6.19	-5.08	-3.66	-2.2	-2.66	-3.96	-4	-13.94	-19.5	-10.99	-8.14	-7	
50	-3.3	-4.57	-4.16	-2.63	-0.26	2.07	1.85	-0.25	-1.81	-2.48	-3.77	-4.21	-2.98	-2.22	-3.91	-9.38	-28.43	-13.46	-8.14	-5.38	-3.38	-2.52	-3.14	-5.64	-7.19	-6.16	-5.68	-5.05	-3.89	-2.57	-3.43	-7.16	-15.5	-16.75	-11.35	-8.16	-6.21	
60	-3.77	-2.46	-2.5	-1.61	0.16	0.82	1.33	0.73	-2.55	-4.5	-5.33	-6.66	-5.94	-3.89	-3.12	-5.11	-10.85	-36.88	-10.46	-4.72	-1.96	-1.34	-2.85	-6.84	-7.08	-5.93	-5.93	-6.42	-7.12	-6.15	-6.77	-11.33	-17.45	-14.19	-9.34	-6.08	-3.87	
70	-4.8	-3.03	-1.15	0.62	1.18	0.32	0.54	1.03	-0.18	-1.16	-3.41	-8.2	-10.67	-5.4	-1.7	-3.12	-9.91	-18.58	-7.56	-3.44	-1.49	-1.44	-3.98	-8.29	-7.53	-6.31	-6.19	-6.1	-7.64	-9.14	-9.38	-11.13	-14.12	-13.79	-9.69	-6.75	-5.02	
80	-6.2	-8.43	-3.87	-0.29	0.78	0.13	0.13	1.49	2.05	1.87	0.46	-4.69	-11.36	-8.22	-4.03	-5.59	-12.03	-14.78	-11.21	-8.73	-6.08	-5.01	-6.25	-8.64	-9.12	-10.09	-9.86	-7.34	-7.23	-10.77	-11.26	-14.03	-17.5	-15.28	-10.1	-8.92	-6.34	
90	-5.54	-7.42	-5.54	-1.06	0.62	0.25	1.63	2.39	1.89	0.66	0.25	-1.24	-6.02	-9.95	-8.87	-7.62	-8.03	-12.55	-13.97	-10.85	-5.71	-6.41	-9.77	-13.95	-19.27	-11.78	-5.85	-6.02	-12.4	-11.27	-10.82	-15.82	-15.21	-8.72	-5.7	-5.36		
100	-7.25	-7.34	-5.27	-1.44	0.57	1.47	2.5	2.71	1.6	-0.54	-2.68	-2.09	-3.06	-7.33	-13.15	-13.68	-9.88	-8.33	-8.65	-7.87	-6.88	-7.03	-8.28	-12.53	-13.88	-9.41	-6.56	-6.9	-11.54	-12.46	-10.07	-11.13	-23.04	-16.09	-10.5	-8.31	-7.49	
110	-18.84	-14.35	-7.41	-3.41	-0.83	1.31	1.71	0.78	1.15	0.6	-1.64	-2.59	-3.11	-5.56	-9.66	-11.15	-10.36	-10.51	-10.72	-11.03	-11.45	-12.33	-11.99	-10.97	-8.65	-5.53	-4.95	-6.31	-7.0	-11.36	-13.47	-15.21	-26.42	-13.98	-11.18	-13.21	-19.15	
120	-13.69	-16.92	-13.8	-7.37	-3.26	-1.41	-1.88	-2.91	-0.44	0.32	-1.48	-2.25	-2.4	-4.18	-6.98	-8.72	-7.27	-5.83	-4.59	-3.68	-4.21	-6.07	-10.13	-11.14	-7.26	-6.08	-6.08	-7.43	-9.61	-14.25	-20.83	-21.1	-17.18	-14.01	-12.55	-13.51		
130	-6.83	-7.18	-10.4	-8.26	-5.1	-4.23	-3.43	-2.47	-2.38	-1.26	-1.89	-2.44	-1.24	-2.22	-5.43	-10.25	-9.98	-6.05	-3.43	-2.18	-2.3	-4.59	-11.19	-10.51	-12.52	-11.59	-8.47	-9.11	-8.51	-5.57	-6.03	-14.37	-19.33	-14.06	-10.1	-7.63	-6.01	
140	-3.32	-4.56	-4.17	-2.67	-0.26	2.07	1.85	-0.27	-1.77	-2.33	-3.79	-4.65	-5.67	-4.83	-3.62	-2.96	-3.61	-5.48	-8.89	-11.4	-9.1	-8.46	-10.11	-13.23	-15.18	-12.63	-11.02	-12.23	-15.56	-11.4	-8.28	-8.3	-10.08	-13.94	-18.82	-4.9	-3.24	-3.1
150	-5.4	-9.28	-12.26	-12.61	-7.59	-5.99	-4.18	-2.95	-4.03	-7.08	-12.15	-10.3	-7.64	-5.92	-5.12	-5.67	-7.93	-11.22	-14.88	-19.3	-24.84	-20.39	-19.32	-17.16	-16.68	-17.58	-20.07	-18.51	-10.13	-7.58	-8.69	-12.99	-12.57	-7.6	-5.36	-4.38	-5.43	
160	-15.54	-10.5	-5.4	-2.4	-0.98	-0.48	-0.31	-0.48	-0.7	-0.84	-1.31	-1.7	-2.1	-2.4	-2.7	-3.1	-3.4	-3.7	-4.1	-4.5	-4.9	-5.3	-5.7	-6.1	-6.5	-6.9	-7.3	-7.7	-8.1	-8.5	-8.9	-9.3	-9.7	-10.1	-10.5	-10.9	-11.3	
170	-15.05	-18.59	-18.68	-13.49	-11.46	-10.56	-10.82	-12.1	-16.54	-15.3	-17.18	-18.43	-19.94	-19.5	-19.09	-18.88	-19.83	-21.63	-21.48	-19.98	-17.85	-17.57	-16.86	-16.32	-15.79	-15.26	-14.73	-14.06	-13.55	-12.98	-12.6	-14.07	-15.54	-13.08	-13.73	-13		
180	-24.46	-27.49	-26.26	-20.99	-24.24	-21.6	-19.67	-17.79	-16.39	-15.35	-14.54	-14.26	-15.24	-17.25	-18.84	-18.63	-17.48	-16.94	-15.43	-14.67	-15.2	-13.58	-13.65	-13.26	-12.84	-13.07	-25.81	-23.1	-22.77	-20.12	-20.69	-25.5	-25.04	-25.63	-24.31			

$\Phi_{\text{H}} \text{ (}^\circ\text{)}$	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36																											
$\Phi_{\text{H}} \text{ (deg.)}$																																																															
5.1	-5.81	-7.09	-7.59	-8.73	-8.4	-7.85	-6.81	-5.54	-4.39	-3.57	-2.87	-2.55	-2.36	-2.16	-2.26	-2.71	-3.5	-4.34	-5.3	-6.6	-8.0	-7.69	-7.79	-7.65	-7.55	-7.5	-7.4	-7.35	-7.26	-7.24	-7.2	-7.09	-7.33	-7.69	-8.55																												
5.2	-5.88	-7.16	-7.66	-8.8	-8.41	-7.82	-6.78	-5.51	-4.36	-3.54	-2.84	-2.52	-2.33	-2.13	-2.23	-2.68	-3.47	-4.26	-5.25	-6.56	-8.05	-7.74	-7.84	-7.7	-7.6	-7.5	-7.4	-7.3	-7.2	-7.1	-7.0	-6.88	-7.12	-7.48	-8.34																												
5.3	-5.93	-7.21	-7.71	-8.93	-8.54	-7.95	-6.91	-5.64	-4.49	-3.67	-2.97	-2.65	-2.46	-2.26	-2.36	-2.81	-3.6	-4.39	-5.38	-6.69	-8.18	-7.87	-7.97	-7.84	-7.73	-7.63	-7.53	-7.43	-7.33	-7.23	-7.13	-7.01	-7.25	-7.61	-8.47																												
5.4	-5.97	-7.28	-7.78	-9.0	-8.61	-8.02	-6.98	-5.71	-4.56	-3.74	-3.04	-2.72	-2.53	-2.33	-2.43	-2.88	-3.67	-4.46	-5.45	-6.76	-8.25	-7.94	-8.04	-7.91	-7.8	-7.7	-7.6	-7.5	-7.4	-7.3	-7.2	-7.1	-7.0	-6.88	-7.12	-7.48																											
5.5	-6.02	-7.34	-7.84	-9.06	-8.67	-8.08	-7.04	-5.77	-4.62	-3.8	-3.1	-2.78	-2.59	-2.39	-2.49	-2.94	-3.73	-4.52	-5.51	-6.82	-8.31	-8.0	-8.1	-7.98	-7.87	-7.77	-7.67	-7.57	-7.47	-7.37	-7.27	-7.17	-7.07	-6.95	-7.19	-7.55																											
5.6	-6.07	-7.41	-7.91	-9.13	-8.74	-8.15	-7.11	-5.84	-4.69	-3.87	-3.17	-2.84	-2.65	-2.45	-2.55	-3.0	-3.79	-4.58	-5.57	-6.88	-8.37	-8.06	-8.17	-8.04	-7.93	-7.83	-7.73	-7.63	-7.53	-7.43	-7.33	-7.23	-7.13	-7.03	-6.91	-7.15	-7.51																										
5.7	-6.12	-7.48	-7.98	-9.2	-8.81	-8.22	-7.18	-5.91	-4.76	-3.94	-3.24	-2.91	-2.72	-2.52	-2.62	-3.07	-3.86	-4.65	-5.64	-6.95	-8.44	-8.13	-8.24	-8.11	-8.0	-7.9	-7.8	-7.7	-7.6	-7.5	-7.4	-7.3	-7.2	-7.1	-7.0	-6.88	-7.12																										
5.8	-6.17	-7.54	-8.04	-9.27	-8.88	-8.29	-7.25	-5.98	-4.83	-4.01	-3.31	-2.98	-2.79	-2.59	-2.69	-3.14	-3.93	-4.72	-5.71	-7.02	-8.51	-8.2	-8.31	-8.18	-8.07	-7.97	-7.87	-7.77	-7.67	-7.57	-7.47	-7.37	-7.27	-7.17	-7.07	-6.95	-7.19																										
5.9	-6.22	-7.6	-8.1	-9.34	-8.95	-8.36	-7.32	-6.05	-4.9	-4.08	-3.38	-3.05	-2.86	-2.66	-2.76	-3.21	-4.0	-4.79	-5.78	-7.09	-8.58	-8.27	-8.38	-8.25	-8.14	-8.04	-7.94	-7.84	-7.74	-7.64	-7.54	-7.44	-7.34	-7.24	-7.14	-7.02	-6.96																										
6.0	-6.27	-7.67	-8.17	-9.4	-9.01	-8.42	-7.38	-6.11	-4.96	-4.14	-3.44	-3.11	-2.92	-2.72	-2.82	-3.27	-4.06	-4.85	-5.84	-7.15	-8.64	-8.33	-8.44	-8.31	-8.2	-8.1	-8.0	-7.9	-7.8	-7.7	-7.6	-7.5	-7.4	-7.3	-7.2	-7.1	-7.0	-6.88																									
6.1	-6.32	-7.73	-8.23	-9.47	-9.08	-8.49	-7.45	-6.18	-5.03	-4.21	-3.51	-3.18	-2.99	-2.79	-2.89	-3.34	-4.13	-4.92	-5.91	-7.22	-8.71	-8.4	-8.51	-8.38	-8.27	-8.17	-8.07	-7.97	-7.87	-7.77	-7.67	-7.57	-7.47	-7.37	-7.27	-7.17	-7.05																										
6.2	-6.37	-7.79	-8.29	-9.6	-9.21	-8.62	-7.58	-6.31	-5.16	-4.34	-3.64	-3.31	-3.12	-2.92	-3.02	-3.47	-4.26	-5.05	-6.04	-7.35	-8.84	-8.53	-8.64	-8.51	-8.4	-8.3	-8.2	-8.1	-8.0	-7.9	-7.8	-7.7	-7.6	-7.5	-7.4	-7.3	-7.2	-7.1	-7.0	-6.88																							
6.3	-6.42	-7.86	-8.36	-9.73	-9.34	-8.75	-7.71	-6.44	-5.29	-4.47	-3.77	-3.44	-3.25	-3.05	-3.15	-3.6	-4.39	-5.18	-6.17	-7.48	-8.97	-8.66	-8.77	-8.64	-8.53	-8.43	-8.33	-8.23	-8.13	-8.03	-7.93	-7.83	-7.73	-7.63	-7.53	-7.43	-7.33	-7.23	-7.13	-7.03																							
6.4	-6.47	-7.91	-8.41	-9.86	-9.47	-8.88	-7.84	-6.57	-5.42	-4.6	-3.9	-3.57	-3.38	-3.18	-3.28	-3.73	-4.52	-5.31	-6.3	-7.61	-9.1	-8.79	-8.9	-8.8	-8.69	-8.59	-8.49	-8.39	-8.29	-8.19	-8.09	-7.99	-7.89	-7.79	-7.69	-7.59	-7.49	-7.39	-7.29	-7.19	-7.09																						
6.5	-6.52	-7.96	-8.46	-10.01	-9.62	-9.03	-7.99	-6.72	-5.57	-4.75	-4.04	-3.72	-3.53	-3.33	-3.43	-3.88	-4.67	-5.46	-6.45	-7.76	-9.25	-8.93	-9.04	-8.91	-8.8	-8.69	-8.59	-8.49	-8.39	-8.29	-8.19	-8.09	-7.99	-7.89	-7.79	-7.69	-7.59	-7.49	-7.39	-7.29	-7.19	-7.09																					
6.6	-6.57	-8.02	-8.52	-10.16	-9.77	-9.18	-8.14	-6.87	-5.72	-4.9	-4.19	-3.87	-3.68	-3.48	-3.58	-4.03	-4.82	-5.61	-6.6	-7.91	-9.4	-9.08	-9.19	-9.06	-8.95	-8.84	-8.74	-8.64	-8.54	-8.44	-8.34	-8.24	-8.14	-8.04	-7.94	-7.84	-7.74	-7.64	-7.54	-7.44	-7.34	-7.24	-7.14	-7.04																			
6.7	-6.62	-8.08	-8.58	-10.31	-9.92	-9.33	-8.29	-7.02	-5.87	-5.05	-4.34	-4.02	-3.83	-3.63	-3.73	-4.18	-4.97	-5.76	-6.75	-8.06	-9.55	-9.19	-9.3	-9.16	-9.05	-8.94	-8.84	-8.74	-8.64	-8.54	-8.44	-8.34	-8.24	-8.14	-8.04	-7.94	-7.84	-7.74	-7.64	-7.54	-7.44	-7.34	-7.24	-7.14	-7.04																		
6.8	-6.67	-8.14	-8.64	-10.46	-10.07	-9.48	-8.44	-7.17	-6.02	-5.2	-4.49	-4.17	-3.98	-3.78	-3.88	-4.33	-5.12	-5.91	-6.9	-8.21	-9.7	-9.34	-9.47	-9.3	-9.19	-9.08	-8.97	-8.87	-8.77	-8.67	-8.57	-8.47	-8.37	-8.27	-8.17	-8.07	-7.97	-7.87	-7.77	-7.67	-7.57	-7.47	-7.37	-7.27	-7.17	-7.07																	
6.9	-6.72	-8.19	-8.69	-10.61	-10.22	-9.63	-8.59	-7.32	-6.17	-5.35	-4.64	-4.32	-4.13	-3.93	-4.03	-4.48	-5.27	-6.06	-7.05	-8.36	-9.85	-9.49	-9.62	-9.48	-9.34	-9.23	-9.13	-9.03	-8.93	-8.83	-8.73	-8.63	-8.53	-8.43	-8.33	-8.23	-8.13	-8.03	-7.93	-7.83	-7.73	-7.63	-7.53	-7.43	-7.33	-7.23	-7.13	-7.03															
7.0	-6.77	-8.25	-8.75	-10.76	-10.37	-9.78	-8.74	-7.47	-6.32	-5.5	-4.79	-4.47	-4.28	-4.08	-4.18	-4.63	-5.42	-6.21	-7.2	-8.51	-10.0	-9.64	-9.77	-9.63	-9.49	-9.38	-9.28	-9.18	-9.08	-8.98	-8.88	-8.78	-8.68	-8.58	-8.48	-8.38	-8.28	-8.18	-8.08	-7.98	-7.88	-7.78	-7.68	-7.58	-7.48	-7.38	-7.28	-7.18	-7.08														
7.1	-6.82	-8.31	-8.81	-10.91	-10.52	-9.93	-8.89	-7.62	-6.47	-5.65	-4.94	-4.62	-4.43	-4.23	-4.33	-4.78	-5.57	-6.36	-7.35	-8.66	-10.15	-9.79	-9.92	-9.78	-9.64	-9.53	-9.43	-9.33	-9.23	-9.13	-9.03	-8.93	-8.83	-8.73	-8.63	-8.53	-8.43	-8.33	-8.23	-8.13	-8.03	-7.93	-7.83	-7.73	-7.63	-7.53	-7.43	-7.33	-7.23	-7.13	-7.03												
7.2	-6.87	-8.37	-8.87	-11.06	-10.67	-10.08	-9.04	-7.77	-6.62	-5.8	-5.09	-4.77	-4.58	-4.38	-4.48	-4.93	-5.72	-6.51	-7.5	-8.81	-10.3	-9.94	-10.07	-9.93	-9.79	-9.68	-9.58	-9.48	-9.38	-9.28	-9.18	-9.08	-8.98	-8.88	-8.78	-8.68	-8.58	-8.48	-8.38	-8.28	-8.18	-8.08	-7.98	-7.88	-7.78	-7.68	-7.58	-7.48	-7.38	-7.28	-7.18	-7.08											
7.3	-6.92	-8.43	-8.93	-11.21	-10.82	-10.23	-9.19	-7.92	-6.77	-5.95	-5.24	-4.92	-4.73	-4.53	-4.63	-5.08	-5.87	-6.66	-7.65	-8.96	-10.45	-10.08	-10.21	-10.07	-9.93	-9.82	-9.72	-9.62	-9.52	-9.42	-9.32	-9.22	-9.12	-9.02	-8.92	-8.82	-8.72	-8.62	-8.52	-8.42	-8.32	-8.22	-8.12	-8.02	-7.92	-7.82	-7.72	-7.62	-7.52	-7.42	-7.32	-7.22	-7.12	-7.02									
7.4	-6.97	-8.49	-8.99	-11.36	-10.97	-10.38	-9.34	-8.07	-6.92	-6.1	-5.39	-5.07	-4.88	-4.68	-4.78	-5.23	-6.02	-6.81	-7.8	-9.11	-10.6	-10.22	-10.35	-10.21	-10.07	-9.96	-9.86	-9.76	-9.66	-9.56	-9.46	-9.36	-9.26	-9.16	-9.06	-8.96	-8.86	-8.76	-8.66	-8.56	-8.46	-8.36	-8.26	-8.16	-8.06	-7.96	-7.86	-7.76	-7.66	-7.56	-7.46	-7.36	-7.26	-7.16	-7.06								
7.5	-7.02	-8.55	-9.05	-11.51	-11.12	-10.53	-9.49	-8.22	-7.07	-6.25	-5.54	-5.22	-5.03	-4.83	-4.93	-5.38	-6.17	-6.96	-7.95	-9.26	-10.75	-10.37	-10.5	-10.36	-10.22	-10.11	-10.01	-9.91	-9.81	-9.71	-9.61	-9.51	-9.41	-9.31	-9.21	-9.11	-9.01	-8.91	-8.81	-8.71	-8.61	-8.51	-8.41	-8.31	-8.21	-8.11	-8.01	-7.91	-7.81	-7.71	-7.61	-7.51	-7.41	-7.31	-7.21	-7.11	-7.01						
7.6	-7.07	-8.61	-9.11	-11.66	-11.27	-10.68	-9.64	-8.37	-7.22	-6.4	-5.69	-5.37	-5.18	-4.98	-5.08	-5.53	-6.32	-7.11	-8.1	-9.41	-10.9	-10.52	-10.65	-10.51	-10.37	-10.26	-10.16	-10.06	-9.96	-9.86	-9.76	-9.66	-9.56	-9.46	-9.36	-9.26	-9.16	-9.06	-8.96	-8.86	-8.76	-8.66	-8.56	-8.46	-8.36	-8.26	-8.16	-8.06	-7.96	-7.86	-7.76	-7.66	-7.56	-7.46	-7.36	-7.26	-7.16	-7.06					
7.7	-7.12	-8.68	-9.18	-11.81	-11.42	-10.83	-9.79	-8.52	-7.37	-6.55	-5.84	-5.52	-5.33	-5.13	-5.23	-5.68	-6.47	-7.46	-8.45	-9.76	-11.25	-10.87	-11.0	-10.86	-10.72	-10.61	-10.51	-10.41	-10.31	-10.21	-10.11	-10.01	-9.91	-9.81	-9.71	-9.61	-9.51	-9.41	-9.31	-9.21	-9.11	-9.01	-8.91	-8.81	-8.71	-8.61	-8.51	-8.41	-8.31	-8.21	-8.11	-8.01	-7.91	-7.81	-7.71	-7.61	-7.51	-7.41	-7.31	-7.21	-7.11	-7.01	
7.8	-7.17	-8.73	-9.23	-11.96	-11.57	-10.98	-9.94	-8.67	-7.52	-6.7	-5.99	-5.67	-5.48	-5.28	-5.38	-5.83	-6.62	-7.61	-8.6	-9.91	-11.4	-11.02	-11.15	-11.01	-10.87	-10.76	-10.66	-10.56	-10.46	-10.36	-10.26	-10.16	-10.06	-9.96	-9.86	-9.76	-9.66	-9.56	-9.46	-9.36	-9.26	-9.16	-9.06	-8.96	-8.86	-8.76	-8.66	-8.56	-8.46	-8.36	-8.26	-8.16	-8.06	-7.96	-7.86	-7.76	-7.66	-7.56	-7.46	-7.36	-7.26	-7.16	-7.06
7.9	-7.22	-8.79	-9.29	-12.11	-11.72	-11.13	-10.09	-8.82	-7.67	-6.85	-6.14	-5.82	-5.63	-5.43	-5.53	-5.98	-6.77	-7.76	-8.75	-10.06	-11.55	-11.17	-11.3	-11.17	-11.03	-10.92	-10.82	-10.72	-10.62	-10.52	-10.42	-10.32	-10.22	-10.12	-10.02	-9.92	-9.82	-9.72	-9.62	-9.52	-9.42	-9.32</																					

Theta (H) Theta (deg.) Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	
0	-14.5	-19.38	-17.51	-12.26	-8.62	-6.1	-4.3	-2.94	-2.12	-1.47	-1.16	-1.13	-1.58	-2.05	-2.86	-4.06	-5.67	-8.29	-11.41	-15.03	-13.91	-10.25	-7.5	-5.25	-3.79	-2.39	-1.93	-1.75	-1.55	-1.88	-2.16	-2.78	-3.68	-5.23	-7.19	-9.97	-13.82	
10	-12.38	-12.65	-9.81	-6.35	-3.53	-1.67	-0.28	0.54	0.83	0.93	0.79	0.29	0.23	0.86	-1.9	-3.08	-4.48	-6.65	-8.71	-11.13	-13.47	-14.57	-13.22	-10.93	-8.52	-6.41	-4.69	-3.35	-2.64	-2.43	-2.56	-3.19	-4.4	-6.29	-8.17	-11.16	-13.22	
20	-8.19	-8.17	-7.66	-5.69	-3.36	-1.34	0.23	1.15	1.94	1.85	1.71	0.69	0.01	0.84	-2.22	-3.78	-5.73	-8	-10.45	-14.02	-18.25	-20.29	-16.92	-13.33	-11.28	-9.44	-8.07	-6.48	-5.2	-4.77	-5.24	-6.69	-8.14	-9.88	-12.01	-14.8	-18.13	
30	-4.05	-5.85	-7.27	-6.41	-3.64	-1.31	0.59	2.12	3.07	3.35	2.8	1.42	1.71	0.4	-1.65	-4.09	-6.07	-7.53	-9.07	-11.24	-14.44	-19.09	-14.31	-9.85	-8.13	-7.09	-6.19	-5.6	-7.25	-7.85	-10.83	-17.24	-23.62	-31.01	-4.25	-4.16	-4.05	
40	-7.28	-8.77	-8.24	-5.6	-2.2	0.34	1.88	2.19	2.49	3.33	3.19	2.83	1.99	0.35	-1.98	-4.12	-5.79	-7.61	-9.85	-12.34	-17.45	-28.79	-21.48	-14.52	-10.08	-7.6	-7.19	-7.08	-6.99	-14.39	-25.98	-30.78	-5.83	-4.54	-4.5	-5.55	-7.14	
50	-7.62	-9.31	-10.34	-6.87	-3.11	-0.9	0.77	2.17	2.9	3.03	3.08	2.92	2.54	1.21	-0.41	-2.15	-5.18	-8.17	-9.13	-10.56	-15.21	-30.2	-20.51	-13.2	-9.69	-8.33	-7.11	-6.24	-6.64	-8.64	-11.2	-10.77	-7.41	-5.92	-6.23	-6.79	-8.08	
60	-8.64	-10.93	-11.43	-5.94	-2	-0.35	0.34	0.81	1.56	1.45	0.98	1.24	1.51	0.02	-1.95	-2.54	-4.49	-8.33	-9.84	-6.67	-10.77	-12.6	-11.95	-9.65	-6.42	-8.71	-6.07	-4.78	-4.74	-5.42	-7.18	-13.83	-12.53	-7.96	-6.81	-7.32	-8.73	
70	-5.9	-9.83	-12.61	-3.85	-0.17	-0.12	-0.83	-0.06	0.66	0.35	-0.33	-0.4	-1.34	-4.83	-6.54	-2.86	-4.66	-15.96	-13.01	-8.77	-4.84	-5.46	-7.55	-7.75	-7.09	-12.17	-8.27	-4.87	-6.69	-6.15	-7.05	-27.64	-12.79	-6.46	-4.47	-4.61	-6.36	
80	-6.1	-9.81	-17.48	-6.85	-2.58	-0.81	-2.89	-3.31	-1.37	-1.79	-1.53	-2.48	-6.79	-9.83	-10.65	-4.32	-4.01	-11.41	-13.97	-6.86	-5.71	-8.3	-15.39	-14.82	-10.67	-13.6	-8.18	-5.52	-9.97	-8.89	-10.08	-20.75	-9.81	-6.27	-5.58	-5.61	-6.36	
90	-5.65	-7.25	-8.77	-4.07	-0.09	-0.16	-7.19	-11.08	-5.01	-0.16	-0.16	-5.72	-4.01	-6.45	-8.24	-17.19	-21.02	-11.97	-7.34	-13.14	-18	-7.99	-4.94	-5.68	-10.97	-12.94	-8.72	-9.71	-9.63	-6.26	-17.49	-13.94	-9.69	-12.03	-5.97	-5.92	-4.84	-5.78
100	-4.88	-5.17	-1.1	0.65	-0.88	-6.52	-7.28	-5.51	-13.18	-9.89	-6.54	-13.89	-16.21	-10.19	-14.59	-15.06	-15.93	-18.6	-10.08	-6.05	-5.16	-7.07	-7.04	-7.58	-12.57	-10.33	-15.07	-12.17	-8.2	-6.95	-6.09	-4.7	-3.19	-3.47	-4.15	-4.49		
110	-4.25	-5.83	-6.47	-4.11	-2.2	-1.56	-3.15	-4.06	-8.27	-11.85	-28.5	-22.87	-12	-10.79	-10.94	-20.1	-18.03	-12.7	-14.54	-13.65	-12.84	-13.33	-14.66	-13.22	-12.24	-10.96	-7.4	-13.61	-7.79	-8.81	-2.77	-3.34	-3.78	-3.42	-3.3	-3.53	-4.53	
120	-6.62	-10.07	-14.17	-10.43	-5.95	-4.3	-8.88	-8.65	-9.34	-15.72	-42.02	-21.47	-21.89	-45.54	-13.93	-14.48	-17.41	-11.04	-9.19	-9.37	-10.65	-12.13	-13.92	-14.5	-12.19	-9.36	-12.18	-18.3	-10.41	-6.41	-5.17	-3.44	-3.25	-4.45	-5.08	-5.66	-6.25	
130	-6.47	-10.23	-16.76	-15.59	-10.32	-10.36	-18.38	-28.13	-16.38	-13.81	-35.99	-14.76	-14.98	-23.32	-11.24	-10.88	-16.1	-16.51	-11.22	-8.13	-6.41	-7.68	-10.17	-11.33	-9.64	-17.19	-5.71	-2	-3.08	-3.04	-4.42	-4.88	-3.85	-3.13	-3.64	-4.63	-4.9	
140	-4.54	-6.91	-11.84	-20.91	-12.72	-7.65	-6.24	-8.44	-17.17	-17.75	-12.09	-13.76	-17.29	-8.45	-7.78	-11.09	-12.83	-10.02	-7.83	-7.05	-7.62	-10.52	-19.39	-20.38	-14.9	-10.89	-4.87	-4.35	0.65	0	-0.68	-1.07	-1.74	-2.27	-2.44	-3.27	-4.49	
150	-4.82	-5.68	-7.34	-10.04	-14.88	-34.05	-12.94	-7.93	-4.39	-5.88	-4.98	-8.49	-15.68	-30.09	-25.97	-51.69	-19.3	-11.69	-12.05	-11.8	-12.38	-14.01	-20.06	-17.61	-8.63	-2.87	-1.24	-4.86	-9.89	-2.02	-3.86	-4.64	-4.9	-4.75	-4.78	-4.86	-4.1	
160	-5.89	-11.68	-14.01	-15.03	-12.24	-9.28	-6.84	-4.28	-5.23	-1.86	-5.76	-3.17	-6.06	-11.28	-20.02	-25.4	-21.12	-19.07	-18.59	-17.72	-15.82	-13.25	-10.26	-7.73	-5.95	-5.25	-5.69	-6.75	-7.09	-6.19	-4.88	-3.52	-3.65	-4.2	-5.31	-6.52	-9.09	
170	-9.52	-11.44	-13.47	-14.4	-15.34	-14.89	-15.74	-16.07	-10.41	-16.72	-14.11	-13.55	-15.37	-18.66	-21.33	-21.84	-21.35	-19.46	-17.95	-17.52	-16.43	-15.8	-14.49	-12.74	-11.4	-10.03	-8.37	-6.83	-5.76	-4.82	-4.27	-4.33	-4.55	-5.09	-6.34	-7.95	-9.92	
180	-23.5	-15.31	-10.29	-7.52	-5.75	-4.55	-4.3	-4.35	-4.24	-3.69	-3.24	-3.34	-3.92	-4.9	-6.45	-8.47	-10.82	-13.22	-14.72	-14.14	-12.28	-10.05	-8.05	-6.54	-5.13	-4.52	-4.44	-4.4	-4.57	-4.85	-5.76	-6.64	-8	-10.18	-13.38	-19.12	-24.29	

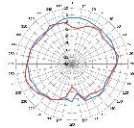


Θ (°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
Φ (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
0	-1.11	-2.4	-2.36	-2.3	-3.08	-3.9	-4.73	-6.13	-8.54	-12.19	-18.93	-17.65	-11.3	-8.15	-6.16	-4.88	-3.83	-2.92	-2.36	-1.9	-1.38	-2.11	-2.45	-3.24	-4.76	-6.39	-9.23	-13.66	-18.83	-16.21	-11.08	-8.46	-6.14	-4.78	-3.5	-2.8	-2.41
10	-0.81	-0.52	-0.28	-0.21	-0.69	-1.68	-3.21	-5.38	-8.18	-10.64	-12.67	-12.08	-9.67	-8.03	-6.8	-5.98	-5.18	-4.61	-4.19	-3.97	-4.21	-4.49	-4.53	-4.74	-5.42	-6.74	-8.9	-12.72	-21.12	-18.33	-11.18	-7.46	-5.08	-3.79	-2.51	-2.03	-1.53
20	-0.67	-0.32	0.25	0.25	-0.23	-1.26	-2.68	-4.4	-6.3	-7.67	-8.41	-8.49	-8.37	-8.07	-7.01	-5.95	-5.33	-5.13	-5.16	-4.99	-4.74	-4.99	-5.8	-6.17	-6.82	-6.85	-8.05	-10.53	-16.94	-16.89	-9.02	-5.37	-3.49	-2.84	-2.03	-1.38	-0.92
30	0.26	0.74	0.78	0.31	-0.39	-1.69	-3.67	-6.09	-7.21	-6.64	-5.79	-5.4	-5.37	-5.57	-6.24	-7.3	-8.52	-8.77	-8.23	-7.46	-6.5	-5.62	-5.25	-6.05	-7.84	-9.35	-10.03	-11.1	-14.33	-12.71	-7.43	-4.13	-2.29	-1.51	-1	-0.41	-0.12
40	-0.17	0.04	0.57	0.11	-0.11	-1.28	-3.27	-5.46	-6.3	-5.8	-4.15	-3.09	-2.14	-1.87	-1.04	-1.48	-2.99	-7.33	-6.27	-4.3	-6.34	-7.16	-7.22	-6.67	-8.11	-11.48	-14.23	-14.62	-11.2	-7.66	-5.61	-3.34	-2.46	-1.8	-1.09	-0.52	-0.09
50	-0.09	-1.35	-1.53	-1.43	-1.51	-2.64	-5.46	-8.23	-6.52	-4.19	-4.87	-3.1	-10.44	-9.82	-8.98	-8.34	-8.38	-7.11	-5.19	-4.09	-3.94	-5.91	-6.75	-6.84	-6.55	-10.26	-12.11	-12.43	-8.99	-7.18	-6.62	-3.24	-2.77	-1.61	-0.8	-0.57	-1.4
60	0.06	-0.58	-0.67	-0.4	-0.86	-2.45	-6.08	-9.1	-5.74	-2.48	-4.66	-11.39	-16.3	-12.08	-9.13	-10.08	-7.7	-4.28	-2.4	-2.43	-3.32	-5.55	-8.4	-9.03	-8.61	-12.25	-15.15	-10.33	-6.34	-5.97	-7.31	-6.47	-3.36	-1.27	-0.25	0.39	0.05
70	3.41	2.75	2.08	1.71	0.87	-1.79	-5.46	-6.98	-4.57	-4.07	-6.07	-14.57	-17.27	-10.28	-9.13	-9.24	-5.75	-2.64	-1.29	-1.66	-3.58	-7.29	-13.01	-9.37	-10.11	-13.72	-14.72	-7.11	-3.11	-4.95	-10.32	-8.5	-2.65	1.03	3	3.67	2.02
80	3.8	3.08	2.27	1.32	0.41	-0.95	-3.53	-5.51	-3.44	-2.88	-12.73	-20.53	-11.54	-9.96	-9.08	-6.52	-10.09	-7.99	-4.98	-3.91	-5.41	-10.83	-28.46	-11.64	-11.51	-10.04	-7.98	-6.05	-3.32	-4.63	-11.12	-1.43	1.96	1.26	3.11	3.96	3.42
90	1.02	0.75	0.28	-0.42	-0.88	-3.05	-5.72	-2.38	-3.97	-1.86	-7.18	-13.1	-9.02	-7.45	-8.95	-14.89	-18.21	-24.01	-10.49	-6.34	-5.26	-11.2	-28.2	-10.25	-11.05	-12.39	-7.59	-4.4	-4.71	-4.98	-5.8	-2.54	0.75	2.15	2.62	2.36	1.39
100	-1.71	-3.92	-5.58	-4.97	-3.96	-3.88	-4.46	-5.62	-6.32	-4.95	-4.07	-7.71	-8.25	-8.13	-9.5	-25.28	-12.8	-12.43	-16.4	-12.08	-9.95	-11.62	-15.35	-11.45	-8.52	-9.04	-7.28	-1.95	-0.48	-2.48	-2.39	0.12	2.08	2.4	1.68	0.21	-1.49
110	-2.48	-4.26	-6.51	-7.54	-6.72	-8.21	-12.17	-17.53	-7.29	-5.61	-6.47	-10.87	-13.02	-13.75	-12.48	-9.73	-8.55	-10.74	-18.73	-17.44	-10.98	-10.47	-15.15	-10.67	-7.3	-7.46	-6.84	-1.81	1.1	0.23	-0.93	-0.51	0.62	0.13	-1.07	-2.62	
120	-6.2	-10.02	-2.9	-5.88	-7.18	-1	-11.13	-10.29	-6.71	-10.23	-13.5	-15.95	-18.56	-12.73	-7.02	-5.7	-4	-13.41	-16.65	-13.31	-11.32	-9.97	-7.76	-7.65	-7.65	-8.4	-4.3	-1.35	-1.58	-2.24	-1.11	-0.53	-0.74	-0.57	-0.4	-0.37	
130	0.95	-0.75	-3.47	-6.3	-7.58	-5.64	-5.15	-10.35	-13.75	-8.28	-3.8	-6.55	-6.96	-7.89	-7.09	-5.74	-6.44	-10.84	-17.47	-13.93	-8.36	-7.11	-7.88	-10.1	-12.78	-10.22	-7.06	-5.13	-1.78	-1.83	-4.43	-4.5	-1.88	-0.21	1.18	1.47	0.78
140	0.01	-1.46	-4.01	-7.03	-11.78	-11.03	-15.24	-12.27	-9.68	-5.36	-2.26	-11.82	-11.48	-9.78	-8.37	-8.14	-11.74	-16.88	-18.86	-14.00	-10.45	-7.57	-4.77	-3.22	-4.55	-8.71	-10.34	-10.35	-7.78	-4.46	-3.02	-2.8	-2	-0.55	0.02	-0.21	
150	-6.77	-6.98	-6.92	-6.88	-7.02	-7.33	-7.34	-7.4	-7.29	-10.56	-13.21	-12.62	-13.03	-12.69	-12.99	-14.88	-17.91	-12.09	-11.33	-12.17	-10.43	-7.53	-5.06	-4.22	-5.58	-10.21	-11.47	-10.61	-10.63	-6.78	-4.79	-4.51	-4.02	-4.4	-4.63	-2.70	
160	-12.8	-10.8	-10.4	-10.3	-10.4	-10.7	-10.8	-10.9	-11.04	-11.27	-11.47	-11.67	-11.87	-12.07	-12.27	-12.47	-12.67	-12.87	-13.07	-13.27	-13.47	-13.67	-13.87	-14.07	-14.27	-14.47	-14.67	-14.87	-15.07	-15.27	-15.47	-15.67	-15.87	-16.07	-16.27	-16.47	-16.67
170	-17.0	-13.84	-15.06	-16.61	-18.93	-14.24	-16.25	-18.54	-18.87	-19.18	-21.37	-22.22	-18.38	-16.67	-12.14	-12.28	-12.15	-12.05	-12.21	-12.34	-12.46	-12.58	-12.71	-12.84	-14.68	-17.26	-19.34	-21.13	-21.66	-20.16	-17.12	-14.32	-11.54	-8.4	-6.37	-4.97	-3.96
180	-4.78	-4.81	-5.12	-6.43	-10.5	-14.04	-21.11	-33.53	-20.23	-14.03	-10.1	-7.34	-5.34	-4.25	-3.74	-3.52	-3.69	-3.77	-3.53	-4.47	-3.77	-3.33	-4.47	-3.74	-4.95	-12.38	-17.31	-24.1	-18.38	-13.73	-10.83	-8.62	-7.19	-6.27	-5.48	-5.04	-4.88

Theta (H)																																						
Theta (deg.)	Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
0	-10.25	-7.83	-6	-4.52	-3.32	-2.51	-2.04	-1.55	-1.39	-1.57	-1.97	-2.47	-3.75	-5.52	-7.98	-11.41	-15.68	-19.95	-6.71	-4.71	-3.08	-1.76	-1.04	-0.81	-0.9	-1.08	-1.48	-2.31	-3.24	-4.29	-5.50	-8.35	-11.31	-14.63	-14.68	-11.75		
10	-13.27	-13.75	-12.98	-11.42	-9.63	-7.82	-6.09	-4.55	-3.38	-2.51	-2.02	-1.97	-2.62	-3.91	-6.21	-9.59	-13.18	-16.35	-7.79	-4.11	-1.57	0.27	1.45	2.03	1.93	1.48	0.67	-0.51	-1.65	-2.53	-3.22	-3.98	-5.19	-6.56	-8.45	-10.98	-12.98	
20	-12.2	-11.85	-10.67	-9.84	-9.61	-9.89	-9.87	-8.44	-5.76	-3.55	-2.18	-1.67	-1.9	-2.78	-4.07	-5.25	-7	-9.48	-10.95	-8.77	-5.42	-2.42	-0.06	1.52	2.34	2.37	1.62	0.49	4.76	-1.71	-2.39	-2.89	-3.72	-5.23	-7.74	-10.61	-12.13	
30	-18.11	-15.66	-13.92	-12.64	-10.28	-8.62	-9.39	-10.51	-6.99	-4.04	-3.04	-3.29	-4.5	-6.75	-9.02	-10.39	-14.91	-21.27	-11.46	-6.2	-3.04	-0.11	0.25	1.33	2.18	2.49	2.04	0.87	4.48	-1.45	-2.25	-3.15	-4.8	-7.31	-10.41	-14.76	-17.68	
40	-10.24	-21.62	-13.66	-8.43	-7.78	-11.26	-11.22	-8.24	-4.93	-5.79	-9.56	-14.31	-13.39	-8.44	-7	-10.47	-18.55	-3.32	-3.46	0.44	1.08	1.92	2.25	2.61	2.8	2.81	1.87	4.01	-1.38	-1.92	-3.28	-4.44	-4.31	-4.4	-4.4	-10.11		
50	-7.26	-13.63	-29.14	-12.54	-9.4	-11.46	-15.78	-16.25	-11.2	-8.84	-15.73	-31.85	-16.25	-19.28	-2.81	-6.99	-9.84	-15.23	-5.43	-1.09	0.86	1.63	1.54	1.5	1.93	2.32	2.09	1.31	6.2	-0.55	-0.83	-2.46	-4.08	-3.85	-3.45	-4.49	-7.13	
60	-5.77	-10.88	-25.52	-16.72	-12.54	-12.2	-13.34	-23.19	-13.04	-9.87	-13.08	-15.43	-8.34	-5.49	-3.7	-1.24	-5.36	-15.43	-2.18	1.83	2.66	2.98	2.85	2.65	0.88	0.32	4.95	-3.37	-3.07	-1.79	-1.39	-2.44	-4.46	-3.62	-3.03	-3.71	-5.84	
70	-7.24	-17.88	-14.36	-9.06	-10.53	-12.31	-7.04	-6.9	-12.29	-5.62	-10.81	-15.43	-3.24	0.09	-0.13	0.47	-4.59	-13.17	-6.88	2.58	2.86	2.14	3.45	1.94	1.05	-0.35	-2.18	-5.3	-5.05	-3.34	-2.39	-3.31	-4.36	-3.67	-2.66	-3.46	-7.08	
80	-10.33	-19.63	-7.95	-3.97	-2.98	-4.99	-8.78	-6.48	-9.44	-10.6	-6.91	-8.52	-6.6	0.5	0.5	-0.27	-5	-12.88	-4.05	2.91	2.23	3.83	1.51	-3.37	-1.68	-1.61	-1.71	-2.75	-2.56	-2.79	-3.61	-6.33	-7.7	-4.25	-3.34	-4.44	-10.09	
90	-10.02	-16.08	-4.02	-0.18	-0.71	-5.55	-4.65	-11.5	-7.47	-14.17	-6.83	-8.75	-16.82	2.24	3.27	2.44	-1.44	-25.22	-3.16	1.59	3.18	2.92	0.33	-6.42	-1.9	-2.16	-3.04	-1.65	-1.53	-2.79	-8.99	-9.77	-14.75	-4.3	-2.31	-4.42	-9.98	
100	-7.78	-12.75	-6	-1.53	-2.59	-9.1	-4.2	-4.57	-7.46	-13.91	-14.22	-9.12	-10.05	0.75	3.69	1.9	-1.28	-9.78	-11.18	-2.85	-0.39	-0.94	-3.4	-2.91	-0.99	-6.55	-10.66	-6.89	-2.23	-4.49	-13.83	-14.2	-19.14	-7.97	-4.78	-5.22	-7.72	
110	-4.39	-8.82	-5.16	-2.32	-1.61	-5.76	-5.62	-4.28	-4.44	-12.8	-10.9	-4.46	-3.55	-1.97	0.01	-2.71	-10.28	-13.5	-5.68	-2.26	-1.49	-3.63	-3.95	-3.66	-1.34	-3.36	-6.35	-10.67	-4.06	-5.62	-14.24	-21.52	-19.99	-9.95	-7.74	-6.63	-4.64	
120	-7.12	-7.69	-5.12	-2.1	-1.98	-6.56	-9.06	-12.87	-5.96	-2.31	-4.92	-4.82	-3.31	-0.25	-0.12	-4.23	-6.08	-2.49	-0.22	0.72	0.28	-2.89	-10.03	-9.15	-3.93	-3.99	-6.79	-11.56	-10.04	-8.05	-11.47	-15.44	-18.77	-18.11	-11.08	-8.25	-7.25	
130	-12.18	-14.63	-7.63	-3.05	-3.48	-7.36	-10.05	-6.69	-2.02	0.25	-4.08	-9.78	-5.85	1.88	2.7	-0.98	-5.31	-1.62	0.54	1.06	0.14	-3.06	-9.52	-17.95	-11.11	-13.87	-19.08	-12.75	-19.29	-8.46	-10.33	-11.53	-8.52	-7.23	-8.04	-9.51	-12.21	
140	-15.45	-13.89	-6.48	-3.68	-5.03	-16.26	-7.97	-2.16	-1.1	-1.52	-4.03	-7.39	-7.87	-1.76	0.6	-0.42	-3.26	-4.35	-3.02	-2.52	-3.8	-9.12	-17.21	-7.52	-6.13	-7.1	-13.71	-9.63	-8.04	-12.44	-14.77	-11.73	-9.98	-9.67	-8.77	-9.85	-15.21	
150	-21.5	-14.6	-12.22	-13.74	-24.78	-15.24	-8.52	-5.62	-4.42	-3.53	-1.66	-0.65	-1.99	-3.92	-5.08	-5.72	-6.67	-7.44	-7.72	-8.05	-4.88	-12.66	-0.63	-10.66	-12.22	-11.28	-15.34	-28.08	-14.13	-11.17	-9.56	-7.98	-8.03	-8.82	-11.34	-20.49	-23.1	
160	-18.96	-20.7	-20.85	-25.14	-28.79	-15.27	-10.02	-6.98	-5.69	-3.94	-2.11	-1.78	-3.19	-5.63	-7.28	-7.3	-7.1	-7.5	-9.26	-12.74	-18.69	-33.8	-22.06	-19.11	-14.54	-13.02	-15.12	-18.33	-19.99	-22.92	-22.41	-13.91	-11.22	-11.2	-12.96	-15.75	-18.84	
170	-20.94	-19.87	-19.61	-23.91	-24.84	-15.79	-11.03	-8.47	-7.54	-7.84	-8.5	-8.73	-9.01	-8.63	-8.23	-8.15	-8.29	-10.07	-12.11	-14.67	-19.4	-18.52	-15.1	-12.19	-11.14	-11.34	-10.96	-11.81	-13.28	-14.53	-15.36	-17.88	-21.44	-27.57	-27.07	-22.54	-20.3	
180	-21.06	-28.53	-21.84	-15.95	-12.61	-10.42	-8.76	-7.56	-7.12	-7.27	-8.07	-8.95	-9.54	-9.99	-10.61	-11.33	-12.68	-15.05	-17.53	-17.41	-15.59	-13.55	-11.6	-10.46	-8.99	-8.52	-8.91	-10.63	-13.06	-15.06	-15.65	-14.62	-14.36	-14.9	-15.79	-16.94	-20.99	

Phi (V) Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
0	-2.35	-2.92	-3.84	-5.24	-7.12	-9.61	-12.02	-14.04	-13.6	-10.47	-7.44	-4.95	-3.04	-1.69	-0.85	-0.34	-0.24	-0.42	-0.75	-1.3	-2.12	-3.21	-4.95	-7.09	-9.14	-11.04	-12.62	-10.47	-7.76	-5.68	-4.14	-2.91	-2.27	-1.88	-1.54	-1.34	-1.82
10	-3.57	-3.78	-4.31	-4.91	-5.41	-5.84	-6.45	-7.85	-10.67	-16.14	-25.08	-11.14	-5.58	-2.6	-0.75	0.43	0.99	1.06	0.76	0.14	-0.98	-2.45	-4.76	-7.92	-9.05	-7.29	-5.27	-3.89	-3.28	-2.88	-2.95	-3.27	-3.19	-3.17	-3.43	-3.81	
20	-6.64	-8.7	-10.83	-12.75	-11.83	-9.01	-6.76	-5.28	-4.8	-6.5	-11.42	-16.34	-8.71	-4.05	-1.9	-1.06	-0.49	0.12	0.08	0.92	0.82	0.06	-1.54	-4	-6.45	-5.34	-3.08	-2.24	-2.6	-3.71	-5.29	-6.42	-6.25	-5.44	-5.02	-5.5	-6.59
30	-8.25	-11.2	-17.9	-27.45	-16.36	-10.03	-6.34	-4.64	-4.1	-4.51	-5.79	-7.58	-7.23	-5.61	-4.77	-3.08	-0.79	0.86	1.57	1.72	1.51	0.93	-0.07	-2.12	-5.62	-5.22	-2.32	-1.67	-3.34	-6.35	-7.04	-5.25	-3.87	-3.88	-4.82	-6.38	-8.05
40	-3.95	-4.71	-6.81	-10.15	-13.07	-14.86	-9.46	-4.58	-3.73	-4.73	-6.62	-9.72	-10.59	-6.77	-3.97	-2.18	-0.85	0.04	0.51	0.08	0.56	-0.32	-1.68	-4.05	-7.92	-9.98	-7.98	-7.62	-7.28	-7.1	-4.18	-1.69	-0.81	-2.51	-3.84	-4.25	-3.95
50	-4.21	-1.03	-3.32	-6.31	-9.11	-14.21	-16.35	-7.68	-7.42	-10.64	-12.34	-28.28	-8.4	-2.58	-1.89	-4.29	-6.3	-5.28	-3.66	-2.47	-2.15	-2.66	-3.5	-4.27	-5.98	-8.89	-13.42	-9.98	-11.66	-5.19	-1.98	2.4	-5.41	-5.74	-2.84	-0.84	-0.14
60	-0.78	-4.94	-5.8	-6.62	-11.67	-15.67	-11.73	-8.94	-9.485	-17.27	-7.91	-2.13	0.13	-1.44	-7.45	-10.07	-5.95	-3.42	-2.34	-2	-2.95	-3.97	-7.77	-17.83	-16.94	-8.11	-5.45	-4.9	-5.7	-10.07	-9.27	-2.99	-0.3	0.04	-0.81		
70	-4.74	-8.47	-9.14	-4.92	-4.3	-8.97	-12.82	-7.24	-6.19	-4.18	-6.13	-8.96	-2.94	-1.54	-2.16	-3.86	-4.13	-3.05	-1.93	-1.91	-2.99	-3.9	-3.4	-3.4	-7.91	-18.19	-14.57	-6.12	-4.3	-3.31	-4.78	-9.86	-6.55	-1.83	-0.66	-1.99	-4.71
80	-5.01	-8.74	-16.77	-9.9	-8.22	-9.93	-13.66	-18.9	-7.5	-4.32	-7.54	-11.99	-8.98	-4.97	-1.31	-0.95	-2.92	-4.3	-4.46	-4.71	-4.73	-4.2	-2.86	-3.23	-9.19	-28.97	-21.23	-13.96	-7.33	-3	-3.48	-8.14	-6.18	-3.17	-2.85	-3.58	-3
90	-6.08	-7.17	-10.78	-14.45	-17.81	-16.58	-7.15	-8.33	-6.46	-6.45	-13.34	-17.97	-8.93	-4.84	-2.02	-2.02	-5.25	-7.01	-5.66	-3.87	-2.67	-2.34	-2.65	-4.15	-8.32	-12.09	-15.44	-17.78	-10.22	-5.16	-4.71	-6.97	-5.78	-4.85	-5.69	-6.05	-6.17
100	-7.01	-6.81	-6.48	-7.57	-12.84	-14.32	-7.85	-8.56	-9.69	-16.28	-12.1	-17.64	-8.17	-6.42	-3.51	-1.63	-1.43	-1.4	-1.5	-1.72	-2.31	-3.55	-3.44	-3.58	-4.32	-6.31	-3.15	-5.57	-4.88	-9.27	-7.57	-4.97	-5.09	-7.84	-11.56	-9.07	-7.15
110	-5.45	-4.28	-5.21	-9.29	-16.39	-10.78	-9.99	-19.08	-11.52	-14.69	-17.64	-13.87	-9.98	-7.12	-7.47	-2.81	0.04	0.85	-2.81	-4.41	-4.85	-4.22	-3.68	-2.28	-4.11	-16.08	-3.86	-5.75	-6.61	-5.33	-3.42	-3.61	-6.45	-22.36	-10.77	-5.88	
120	-5.62	-4.89	-6.07	-11.01	-17.77	-12.6	-10.9	-12.46	-10.25	-10.07	-16.79	-13.67	-6.88	-7.26	-9.59	-4.66	-0.65	0.31	-0.75	-2.95	-4.25	-4.8	-5.75	-8.87	-7.85	-7.7	-21.3	-7.26	-2.93	-3.74	-3.24	-2.74	-6.52	-8.78	-9.25	-8.94	-5.69
130	-6.24	-6.76	-3.14	-9.47	-17.88	-11.41	-11.26	-8.48	-6.95	-15.74	-11.43	-10.35	-8.02	-11.25	-7.67	-4.68	-4.13	-4.94	-5.62	-4.74	-3.44	-3.46	-5.23	-8.67	-6.54	-5.07	-6.81	-11.36	-4.61	-3.3	-3.33	-2.22	-5.58	-22.84	-4.75	-1.2	-0.46
140	-2.37	-2.78	-5.26	-10.58	-12.52	-9.2	-9.32	-8.78	-7.76	-18.96	-10.76	-9.27	-8.93	-11.41	-15.35	-6.71	-4.51	-4.76	-5.63	-5.99	-5.3	-4.95	-6.84	-9.88	-8.14	-8.85	-14.12	-13.02	-10.57	-11.28	-4.29	-2.71	-4.33	-10.81	-12.58	-5.31	-2.58
150	-5.39	-6	-8.43	-12.11	-12.35	-12.97	-16.45	-29.69	-18.98	-10.93	-8.8	-11.25	-23.11	-11.01	-7.79	-4.19	-4.45	-5.85	-6.56	-6.22	-6.31	-7.17	-10.84	-17.2	-31.76	-15.73	-7.16	-4.22	-4.88	-8.71	-16.23	-30.9	-31.93	-16.55	-8.88	-6.65	-5.72
160	-7.29	-8.7	-11.32	-15.99	-12.11	-10.8	-9.58	-6.41	-5.33	-11.79	-16.95	-12.23	-6.12	-4.73	-2.79	-6.32	-4.83	-3.3	-2.16	-1.67	-1.77	-2.28	-3.98	-6.86	-11.3	-10.54	-7.83	-6.48	-6.83	-7.1	-4.01	-8.84	-8.38	-7.94	-7.67	-7.09	
170	-12.91	-17.29	-16.79	-12.92	-16.99	-17.87	-18.74	-12.57	-12.52	-18.38	-12.57	-12.52	-8.74	-6.77	-4.79	-5.61	-5.67	-5.61	-5.67	-5.61	-5.67	-5.61	-5.67	-11.44	-13.44	-13.44	-11.44	-9.77	-6.77	-6.77	-6.13	-6.13	-6.13	-6.13	-6.13	-6.13	-6.13
180	-11.87	-10.82	-10.18	-9.92	-10.23	-11.48	-13.96	-18.43	-25.56	-26.88	-25.56	-22.13	-19.74	-14.55	-12.13	-10.49	-10.13	-10.42	-10.13	-10.49	-10.13	-10.47	-12.44	-17.37	-15.27	-16.46	-16.18	-15.98	-16.67	-15.49	-14.09	-14.31	-13.06	-12.39	-12.27	-11.61	

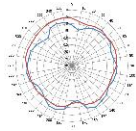
Theta (°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	
Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	
0	-12.78	-16.21	-21.82	-31.49	-48.87	-78.88	-109.09	-8.50	-6.01	-6.18	-5.88	-5.76	-5.99	-6.42	-7.11	-8.24	-9.14	-10.78	-13.04	-15.92	-20.97	-28.97	-40.64	-52.88	-61.05	-8.30	-7.32	-6.51	-6.21	-5.96	-5.95	-6.21	-6.65	-7.31	-8.82	-10.31	-12.38	
10	-8.06	-10.93	-13.52	-17.69	-27.24	-45.11	-75.89	-114.49	-8.86	-7.23	-6.16	-5.42	-5.54	-5.19	-5.98	-6.93	-8.08	-9.58	-10.97	-12.53	-16.18	-21.97	-22.51	-16.18	-11.89	-9.33	-7.77	-6.53	-5.56	-4.8	-4.1	-3.89	-3.92	-4.62	-5.63	-6.9	-9.17	
20	-12.13	-16.1	-16.09	-14.31	-14.12	-16.59	-23.34	-26.44	-15.17	-9.74	-6.21	-4.41	-3.46	-3.03	-2.89	-3.04	-3.34	-3.55	-4.26	-4.95	-6.09	-7.92	-11.3	-21.87	-19.28	-12.93	-10	-8.13	-6.97	-6.15	-5.79	-5.21	-5.51	-6.85	-8.76	-11.82		
30	-6.89	-11.25	-14.4	-13.04	-11.49	-12.52	-16	-18.82	-19.94	-7	-4.66	-3.01	-2.02	0.78	1.09	0.94	0.69	0.19	-0.38	-1.23	-2	-4.28	-5.55	-8.34	-16.25	-18.01	-13.84	-11.03	-9.77	-7.7	-4.4	-3.36	-1.76	-2.47	-4.11	-7.09		
40	-6.48	-7.55	-7.39	-6.78	-6.27	-6.38	-7.83	-9.31	-9.4	-5.75	-1.87	1.17	1.06	1.76	2.27	2.42	1.99	1.23	0.45	-0.22	-1.09	-2.12	-2.74	-3.47	-5.81	-12.61	-46.05	-20.61	-20.04	-15.5	-7.56	-2.62	-0.72	-1.18	-2.79	-4.89	-6.79	
50	-14.53	-9.97	-5.73	-3.63	-2.71	-2.59	-2.69	-3.26	-4.39	-3.77	-1.05	1.41	1.41	3.03	2.21	4.19	2.51	-0.21	-1.97	-1.91	-1.48	0.66	-0.66	-2.33	-5.49	-9.99	-12.39	-14.56	-21.77	-14.16	-6.66	-3.05	-2.72	-4.11	-6.49	-9.95	-14.79	
60	-13.25	-21.31	-16.17	-10.77	-8.08	-6.14	-5.68	-3.43	-2.11	-1.63	-0.7	0.5	1.15	2.26	2.08	2.28	2.09	-1.77	-2.2	-0.73	0.03	0.33	-0.92	-3.04	-6.97	-7.14	-12.77	-4.11	-8.23	-11.84	-14.28	-8.89	-8.5	-8.38	-7.5	-9.16	-12.83	
70	-10.88	-13.31	-16.55	-16.17	-12.97	-18.13	-13	-4.08	-1.05	-0.98	0.18	2.18	1.57	0.96	2.47	2.98	2.17	-3.16	-5.23	-1.45	0.44	0.58	-0.97	-3.4	-8.03	-4.49	-1.89	-3.85	-7.39	-12.1	-18.38	-19.64	-17.59	-14.22	-10.4	-9.42	-11.01	
80	-23.95	-27.42	-23.73	-15.15	-7.79	-5.01	-10.02	-4.58	-1.75	-0.37	1.67	3.41	2.37	-2.68	1.4	2.11	3.76	-3.5	-14.29	-3.98	-0.75	-0.23	-2.15	-6.25	-7.22	-2.7	-2.93	-8.69	-4.7	-5.49	-10.11	-18.78	-18.26	-17.75	-16.67	-18.89	-23.56	
90	-9.74	-17.66	-12.78	-7.9	-7.02	-2.67	-7.42	-5.85	-3.55	0.12	1.55	1.57	2.79	-1.95	-0.78	1.41	0.22	-5.94	-19.05	-5.12	-1.71	-1.87	-6.59	-11.32	-9.26	-4.96	-1.48	-4.67	-4.15	-3.13	-6.53	-11.39	-10.65	-9.21	-8.05	-7.57	-9.74	
100	-9.85	-11.99	-7.43	-4.68	-6.67	-4.35	-4.02	-6.66	-4.91	-0.89	-0.78	-1.27	1.69	-1.09	-5.4	-2.55	-3.74	-9.13	-17.56	-7.37	-4.27	-4.51	-8.02	-14.18	-8.66	-1.12	-1.5	-3.66	-5.07	-5.02	-8.61	-12.75	-8.38	-7.47	-9.25	-9.27	-9.85	
110	-23.11	-17.38	-6.89	-6.85	-9.21	-4.52	-1.48	-0.88	-3.06	-2.98	-1.52	0.54	1.52	0.98	-5.18	-7.62	-12.41	-15.82	-9.58	-5.32	-3.89	-4.21	-4.8	-12.61	0.94	-4.16	-3.07	-2.99	-5.36	-4.67	-6.75	-9.37	-8.41	-4.8	-7.62	-12.03	-23.97	
120	-12.78	-19.61	-8.44	-8.2	-11.41	-1.95	0.67	-0.69	-3.91	-8.89	-3.82	-0.5	-0.99	-2.73	-5.42	-11.19	-28.33	-13.62	-10.63	-9.47	-9.16	-9.43	-10.62	-16.25	-10.18	-10.95	-8.39	-3.67	-4.3	-6.21	-4.67	-6.22	-9.28	-7.47	-5.69	-6.59	-12.31	
130	-9.93	-30.08	-13.84	-12.88	-8.53	-1.94	-0.77	-1.95	-1.77	-3.95	-11.05	-5.87	-5.32	-6.11	-7.33	-9.47	-12.36	-16.01	-20.46	-21.71	-19.44	-16.73	-17.39	-20.11	-19.03	-14.58	-5.74	-1.68	-2.96	-5.33	-5.33	-7.08	-8.92	-5.85	-4.79	-5.79	-9.99	
140	-12.81	-18.88	-12.1	-9.72	-10.55	-7.89	-3.67	-1.93	-2.32	-3.96	-7.48	-11.88	-8.47	-7.47	-11.2	-13.33	-11.39	-12.19	-14.11	-16.29	-18.08	-21.15	-17.9	-21.25	-13.64	-5.3	-4.43	-4.38	-8.71	-7.48	-8.95	-13.2	-12.09	-8.13	-7.21	-8.56	-12.4	
150	-14.99	-30.68	-9.27	-6.82	-7.63	-5	-5.44	-4.42	-9.93	-9.28	-11.11	-18.4	-21.11	-12.46	-9.4	-4.61	-9.19	-11.18	-14.98	-21.31	-21.89	-23.99	-19.82	-13.37	-11.1	-11.07	-9.62	-8.57	-5.81	-7.99	-11.67	-11.33	-11.06	-9.82	-11	-12.49	-13.38	
160	-11.91	-36.65	-8.69	-8.81	-8.92	-7.93	-6.84	-7.19	-10.62	-20.52	-20.9	-15.4	-16.25	-16.51	-15.55	-14.13	-12.98	-11.93	-11.66	-11.71	-12.22	-12.21	-11.09	-9.29	-7.99	-8.19	-9.91	-12.24	-12.5	-10.68	-9.12	-9.49	-11.28	-14	-15.47	-12.38		
170	-17.14	-34.34	-13.39	-13.96	-16.13	-17.41	-17.27	-16.95	-18.91	-27	-30.46	-28.3	-26.47	-22.63	-18.33	-15.84	-14.34	-12.78	-11.48	-11.03	-11.1	-11	-11.38	-11.63	-11.33	-10.99	-10.71	-10.38	-10.21	-10.09	-10.32	-11.08	-12.49	-15.62	-20.75	-21.14	-17.39	
180	-16.61	-15.7	-15.09	-15.18	-15.03	-15.09	-16.37	-18.01	-18.19	-17.41	-17.47	-18.38	-19.5	-19.09	-18.69	-18.62	-18.41	-17.88	-18.06	-18.09	-17.45	-16.34	-15.13	-13.8	-13.21	-13.18	-13.81	-14.24	-14.22	-14.64	-16.15	-18.77	-23.16	-30.41	-25.34	-19.41	-16.67	



Theta (°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360		
Phi (deg.)	0	7.1	-6.62	-6.44	-6.47	-6.43	-6.93	-7.55	-8.38	-10.65	-13.82	-17.88	-30.69	-22.73	-16.01	-11.3	-10.09	-8.66	-7.49	-6.4	-5.89	-5.25	-4.93	-4.07	-5.61	-6.46	-7.75	-9.21	-11.6	-15.52	-21.39	-25.08	-18.31	-14.18	-11.26	-9.17	-7.85	-6.49	
10	-10.25	-9	-7.9	-7.31	-7.02	-6.81	-6.69	-7.34	-8.49	-9.72	-11.15	-12.11	-11.12	-10.78	-9.76	-8.89	-8.93	-9.2	-9.36	-8.89	-8.28	-7.8	-7.54	-7.55	-7.69	-7.83	-7.79	-7.99	-8.52	-9.4	-11.08	-12.52	-13.03	-12.73	-11.51	-10.07			
20	-19.02	-17.39	-13.62	-9.96	-7.36	-5.61	-4.47	-3.93	-3.87	-4.9	-7.01	-9.52	-9.59	-10.18	-12.35	-15.28	-19.42	-30.62	-17.52	-14.88	-12.3	-10.26	-8.04	-6.82	-6.46	-7.04	-7.13	-6.1	-5.25	-5.02	-5.59	-7.09	-10.1	-15.83	-25.31	-22.18	-18.92		
30	-12.28	-12.49	-11.63	-7.37	-3.83	-1.38	-0.82	-0.65	-0.96	-2	-4.44	-8.22	-7.98	-5.69	-5.41	-7.08	-10.65	-17.55	-23.82	-12.65	-8.91	-7.33	-6.83	-6.77	-7.23	-7.71	-6.2	-3.82	-2.18	-2.78	-3.54	-5.07	-8.22	-15.01	-32.45	-15.18	-12.43		
40	-8.16	-7.67	-7.24	-5.03	-2.11	-0.33	-0.03	-0.38	-0.61	-1.34	-3.91	-6.52	-5	-3.25	-4.08	-7.2	-15.93	-18.36	-18.85	-3.82	-3.48	-2.32	-2.54	-4.63	-6.03	-7.14	-6.46	-4.99	-3.7	-2.72	-3.71	-7.44	-17.85	-16.41	-11.14	-9.43	-8.42		
50	-6.28	-6.43	-7	-4.58	-2.76	-1.33	1.79	0.11	-1.42	-3.19	-4.47	-5.08	-2.69	-1.71	-3.18	-8.09	-18.3	-11.66	-6.65	-3.34	-1.48	-0.75	-1.26	-3.43	-6.47	-7.28	-7.53	-5.28	-3.09	-1.92	-2.68	-6.92	-15.39	-15.57	-10.71	-7.66	-6.43		
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70	-4.16	-2.59	-1.58	-0.77	-0.83	-0.69	1.56	2.76	1.16	-1.16	-3.64	-6.1	-7.65	-4.71	-2.04	-2.98	-8.2	-19.54	-7.52	-2.36	0.26	0.34	-1.32	-5.14	-7.64	-7.69	-9.24	-9.74	-10.52	-9.95	-7.43	-7.54	-10.88	-16.84	-12.23	-6.98	-4.39		
80	-14.99	-6.99	-2.46	0.09	0.69	4.3	9.28	2.3	2.4	2.29	0.46	-5.2	-11.49	-6.79	-2.59	-3.88	-10.07	-21.14	-22.06	-11.4	-4.34	-3.94	-3.92	-6.18	-7.59	-6.78	-11.78	-8.72	-1.34	-11.74	-15.54	-15.91	-28.22	-16.53	-13.24	-12.17			
90	-8.45	-12.48	-3.93	-0.82	1.01	1.28	2.08	2.89	2.08	0.76	0.66	-6.72	-5.14	-7.51	-7.51	-7.51	-10.97	-11.79	-6.83	-3.74	-3.94	-6.59	-10.69	-13.61	-12.08	-5.17	-5.38	-10.32	-11.68	-14.28	-23.83	-18.82	-10.3	-7.21	-8.53				
100	-8	-9.76	-7.36	-2.45	-0.01	1.27	2.77	3.54	2.27	-1.58	-3.74	-1.39	-2.36	-6.06	-9.57	-10.63	-6.77	-5.05	-5.36	-5.17	-4.51	-4.51	-5.46	-7.78	-10.41	-11.25	-10.53	-9.42	-11.77	-10.79	-7.57	-8.86	-19.43	-17.54	-11.68	-8.66	-8.03		
110	-22.04	-12.76	-6.68	-2.84	-0.29	1.6	1.58	1.22	0.99	-1.3	-3.64	-3.04	-2.66	-5.33	-11.2	-11.7	-8.37	-6.58	-6.49	-7.1	-7.71	-8.23	-8.29	-7.4	-6.92	-5.6	-4.69	-8.04	-8.6	-10.63	-10.67								
120	-14.13	-12.27	-8.01	-4.35	-1.82	-0.69	-1.88	-3.3	-1.26	-1.21	-2.46	-2	-2.52	-4.59	-7.14	-5.55	-3.95	-2.99	-2.68	-2.47	-2.71	-4.40	-6.89	-9.13	-8.01	-8.39	-8.45	-9.49	-9.46	-13.19	-10.75	-15.86	-14.67	-14.69	-13.88				
130	-6.75	-6.34	-6.12	-4.99	-4.52	-3.42	-3.65	-3.36	-4.67	-2.65	-1.24	-2.82	-2.41	-2.93	-3.95	-10.25	-9.12	-5.61	-3.19	-1.71	-1.52	-3	-7.78	-15.94	-13.13	-16.99	-8.5	-10.12	-8.19	-3.9	-6.37	-13.13	-16.74	-15.45	-11.34	-8.63			
140	-3.4	-4.59	-6.83	-11.46	-11.61	-6.34	-3.58	-6.37	-6.51	-4.83	-4.32	-3.47	-2.36	-3.61	-4.67	-7.23	-6.29	-6.37	-6.04	-11.41	-14.79	-17.62	-16.31	-11.05	-9.34	-12.06	-6.45	-6.29	-6.76	-8.62	-10.67	-8.19	-4.78	-3.37	-1.71	-1.25			
150	-4.68	-7.42	-16.21	-16.29	-12.21	-6.59	-3.94	-2.2	-5.07	-12.89	-13.53	-8.98	-7.48	-4.84	-3.4	-5.22	-7.65	-10.83	-13.6	-17.09	-21.57	-20.14	-18.93	-16.31	-12.79	-12.34	-12.11	-11.86	-9.3	-6.51	-10.1	-15.23	-16.61	-5.97	-2.49	-1.54			
160	-11.25	-16.35	-21.56	-21.56	-17.18	-11.18	-6.57	-4.33	-10.38	-16.47	-17.43	-13.99	-10.47	-8.44	-6.4	-8.22	-12.47	-16.47	-21.57	-26.65	-25.22	-24.01	-21.49	-17.84	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29		
170	-25.95	-26.28	-18.49	-14.34	-11.32	-8.91	-6.96	-10.64	-11.3	-12.93	-15.79	-18.99	-19.97	-19.79	-20	-22.46	-28.21	-26.55	-22.18	-19.48	-16.73	-14.32	-13.18	-12.28	-12.18	-12.43	-12.53	-15.71	-17.37	-18.09	-16.07	-14.36	-13.45	-13.21	-13.46	-13.46	-13.46		
180	-20.33	-27.04	-36.99	-24.55	-20.46	-18.87	-18.15	-17.4	-17.5	-17.37	-15.78	-14.36	-14.5	-14.37	-14.43	-13.77	-13.37	-13.11	-13.28	-13.49	-13.94	-14.77	-15.55	-17.42	-20.44	-22.39	-26.29	-25.06	-22.66	-20.11	-22.55	-20.44	-18.41	-17.66	-18.02	-20.54			

Θ (°)	Φ (°)																															
Θ (°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	
Φ (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	
0	5.31	-3.83	-4.76	-6.1	-7.85	-8.95	-8.7	-7.78	-5.81	-4.27	-3.08	-2.37	-1.85	-1.43	-1.13	-1.00	-1.06	-1.05	-1.04	-1.06	-1.07	-1.09	-1.11	-1.13	-1.15	-1.17	-1.19	-1.21	-1.23	-1.25	-1.27	
10	5.98	-4.61	-5.58	-6.91	-8.65	-9.75	-9.56	-8.59	-6.62	-5.08	-3.89	-3.18	-2.66	-2.24	-1.93	-1.80	-1.86	-1.85	-1.87	-1.89	-1.91	-1.93	-1.95	-1.97	-1.99	-2.01	-2.03	-2.05	-2.07	-2.09	-2.11	
20	-11.22	-13.66	-16.69	-21.29	-27.70	-35.10	-42.50	-49.90	-57.30	-64.70	-72.10	-79.50	-86.90	-94.30	-101.70	-109.10	-116.50	-123.90	-131.30	-138.70	-146.10	-153.50	-160.90	-168.30	-175.70	-183.10	-190.50	-197.90	-205.30	-212.70	-220.10	
30	-13.15	-15.11	-15.91	-16.83	-17.01	-18.13	-17.63	-16.02	-16.08	-17.88	-18.69	-19.76	-21.42	-24.07	-27.49	-31.40	-35.41	-39.42	-43.43	-47.44	-51.45	-55.46	-59.47	-63.48	-67.49	-71.50	-75.51	-79.52	-83.53	-87.54	-91.55	
40	-6.78	-7.35	-8.11	-9.02	-10.01	-12.73	-15.21	-15.70	-14.48	-14.71	-21.17	-20.03	-12.33	-6.49	-4.71	-5.64	-7.90	-10.69	-15.49	-22.59	-30.49	-39.49	-49.49	-59.49	-69.49	-79.49	-89.49	-99.49	-109.49	-119.49	-129.49	
50	-4.77	-5.56	-6.88	-7.55	-7.89	-9.77	-15.34	-16.30	-18.26	-19.11	-17.17	-8.06	-6.20	-8.29	-10.35	-12.74	-15.85	-22.42	-31.14	-42.66	-56.40	-73.41	-93.41	-116.41	-143.41	-174.41	-209.41	-248.41	-291.41	-339.41	-393.41	
60	-5.02	-7.21	-12.33	-15.58	-13.16	-12.79	-12.79	-9.67	-10.12	-11.88	-14.62	-23.91	-46.35	-69.69	-93.03	-116.38	-140.00	-163.00	-186.00	-209.00	-232.00	-255.00	-278.00	-301.00	-324.00	-347.00	-370.00	-393.00	-416.00	-439.00	-462.00	
70	-3.80	-7.34	-12.13	-17.13	-18.63	-12.79	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	-10.48	
80	-3.02	-7.11	-14.14	-18.58	-17.87	-14.69	-13.81	-14.02	-12.71	-14.09	-13.98	-13.24	-11.95	-8.84	-5.73	-2.62	-0.50	-1.38	-4.87	-11.87	-21.88	-34.88	-50.88	-69.88	-91.88	-115.88	-141.88	-169.88	-199.88	-231.88	-265.88	-301.88
90	-2.15	-5.52	-8.89	-8.02	-6.34	-7.65	-10.07	-14.54	-13.23	-8.41	-10.03	-11.41	-12.34	-13.18	-13.34	-12.03	-8.77	-6.77	-6.78	-6.62	-5.31	-3.18	-1.85	-0.85	0.25	1.27	2.04	2.59	3.04	3.40	3.67	
100	-6.31	-7.52	-7.01	-7.68	-8.78	-11.71	-12.30	-10.99	-9.91	-12.03	-13.68	-14.87	-17	-18.11	-20.11	-22.11	-24.11	-26.11	-28.11	-30.11	-32.11	-34.11	-36.11	-38.11	-40.11	-42.11	-44.11	-46.11	-48.11	-50.11	-52.11	
110	-15.76	-17.14	-11.96	-14.4	-12.99	-9.3	-8.88	-14.12	-9.11	-18.26	-6.31	-9.78	-8.88	-11.11	-20.08	-15.78	-9.73	-10.33	-15.05	-15.41	-10.91	-6.94	-5.47	-3.57	-3.33	-2.68	-2.55	-2.74	-2.72	-2.64	-2.58	
120	-8.34	-10.31	-20.57	-17.25	-11.62	-7.77	-11.62	-7.77	-11.62	-8.24	-6.45	-6.45	-10.85	-9.07	-9.28	-9.08	-9.11	-11.22	-12.22	-10.07	-8.74	-6.07	-3.58	-2.08	-0.47	0.27	1.24	2.64	4.07	5.51	8.99	
130	-11.49	-21.55	-23.33	-15.96	-16.33	-17.98	-11.88	-8.24	-6.03	-10.76	-13.02	-7.76	-5.85	-5.66	-10.01	-16.38	-7.56	-6.67	-8.01	-11.97	-9.04	-5.84	-2.24	-0.88	1.43	3.69	2.49	2.34	1.17	-3.58	-4.18	-2.57
140	-8.96	-10.44	-7.99	-6.01	-7.18	-12.34	-25.28	-12.88	-5.86	-7.25	-13.7	-8.38	-9.93	-8.33	-10.36	-18.24	-10.99	-7.44	-6.45	-6.61	-6.66	-6.1	-4.04	-2	-3.3	-7.25	-3.03	1.06	1.42	-2.7	-7.12	
150	-7.11	-6.22	-7.18	-9.01	-10.38	-16.64	-17.68	-15.88	-12.65	-7.73	-6.44	-8.1	-8.6	-5.28	-4.36	-4.48	-15.53	-13.38	-4.64	-2.46	-3.02	-2.39	-4.19	-6.43	-5.98	-3.32	-1.18	0	0.52	0.21	-3.92	
160	-7.04	-6.64	-7.73	-8.69	-14.73	-14.97	-16.05	-16.21	-15.85	-8.31	-7.65	-9.88	-8.48	-9.58	-11.27	-12.69	-11.34	-12.12	-17.65	-17.65	-16.59	-7.23	-8.59	-7.23	-8.59	-3.19	-1.54	-1.88	-3.09	-5.92	-4.02	
170	-6.18	-7.09	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39	-16.18	-17.39
180	-12.98	-14.08	-14.41	-15.52	-16.00	-16.27	-14.93	-13.52	-12.29	-15.85	-16.35	-19.88	-14.63	-12.79	-11.93	-11.05	-11.66	-11.04	-11.63	-11.65	-11.82	-13.04	-15.58	-19.89	-25.78	-21.23	-18.59	-17.74	-17.9	-20.08	-19.33	
190	-14.08	-14.41	-15.52	-16.00	-16.27	-14.93	-13.52	-12.29	-15.85	-16.35	-19.88	-14.63	-12.79	-11.93	-11.05	-11.66	-11.04	-11.63	-11.65	-11.82	-13.04	-15.58	-19.89	-25.78	-21.23	-18.59	-17.74	-17.9	-20.08	-19.33	-16.68	-12.71

Theta (°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360		
Phi (deg.)	0	-14.84	-23.97	-17.44	-11.42	-8.12	-5.84	-4.36	-3.18	-2.19	-1.27	1.88	1.97	-1.38	-2.08	-3.18	-4.68	-6.66	-9.28	-13.55	-20.17	-17.82	-11.66	-7.79	-5.53	-4.16	-2.76	-1.95	-1.43	-1.15	-1.28	-1.68	-2.37	-3.46	-4.8	-6.3	-9.29	-13.84	
10	-17.88	-25.19	-14.71	-9.5	-6.13	-3.83	-2.19	-0.91	0.55	0.67	0.38	0.17	-1.15	-2.25	-3.55	-5.05	-6.8	-8.89	-11.95	-16.81	-21.46	-15.4	-10.72	-7.66	-5.08	-4.3	-3.3	-2.91	-2.99	-3.4	-4.14	-5.33	-7.03	-8.7	-11.92	-18.03			
20	-11.14	-11.28	-9.58	-6.78	-4.7	-3.12	-0.99	0.74	1.64	2.16	2.09	1.39	0.41	-0.89	-2.22	-3.7	-5.92	-9.41	-14.6	-21.87	-22.28	-16.63	-13.76	-12.08	-11.08	-9.64	-8.9	-8.49	-8.03	-7.78	-7.78	-10.12	-11.11	-10.58	-10.66	-11.23			
30	-5.52	-7.21	-7.91	-5.54	-3.36	-0.17	0.93	1.11	1.65	1.65	1.51	1.13	0.66	0.01	-1.54	-4.07	-7.61	-11.03	-12.4	-15.54	-19.28	-17.45	-12.28	-9.02	-6.94	-6.07	-5.9	-5.49	-5.48	-5.48	-5.48	-5.48	-5.48	-5.48	-5.48	-5.48	-5.48		
40	-7.77	-9.32	-8.42	-5.10	-2.02	-0.02	1.33	2.08	2.56	2.87	2.78	2.4	2.36	1.43	-0.78	-3.53	-5.91	-7.72	-9.19	-11.08	-14.01	-18.32	-16.28	-11.38	-9.01	-8.02	-6.47	-4.8	-8.09	-12.73	-26.78	-10.52	-5.57	-4.23	-4.4	-6.02	-7.94		
50	-12.4	-14.7	-11.98	-5.81	-1.01	1.49	2.11	1.89	2.18	2.58	2.68	2.84	2.77	1.71	0.32	-1.61	-5.25	-9.62	-11.15	-10.77	-12.13	-16.14	-17.82	-11.07	-7.47	-6.57	-6.57	-6.22	-6.35	-8.26	-10.58	-8.68	-6.33	-6.14	-7.5	-9.57	-12.49		
60	-13.1	-14.63	-11.77	-5.32	-0.66	1.11	1.17	1.35	1.71	1.38	1.14	1.24	1.31	0.86	-0.35	-2.15	-5.48	-10.44	-12.3	-11.34	-11.23	-12.83	-14.54	-12.13	-9.22	-6.97	-5.56	-5.15	-5.26	-5.91	-8.08	-12.5	-10.44	-8.16	-8.84	-11.34	-13.66		
70	-10.65	-13.75	-11.54	-3.17	-0.28	0.01	-0.75	-0.41	0.01	-0.07	-1	-0.05	-1.31	-2.27	-3.93	-2.3	-3.34	-9.38	-16.71	-12.75	-8.28	-6.66	-7.04	-7.72	-7.78	-10.4	-4.6	-3.94	-4.49	-4.16	-10.48	-15.03	-14.17	-9.34	-8.38	-9.17	-10.05		
80	-11.36	-12.92	-12.46	-6.54	-3.82	-3.12	-3.23	-2.49	-2.43	-1.61	-1.69	-1.69	-4.75	-6.61	-5.64	-2.49	-2.39	-7.75	-20.4	-10.88	-8.53	-9.35	-11.83	-12.03	-10.58	-12.18	-9.28	-5.42	-9.77	-10.85	-14.87	-17.36	-11.69	-12.14	-13.27	-12.31	-11.56		
90	-10.14	-8.93	-8.4	-5.79	-2.42	-2.1	-6.38	-6.87	-5.28	-4.4	-4.8	-4.09	-7.78	-10.56	-11.5	-8.19	-6.93	-13.89	-18.33	-9.8	-7.75	-8.74	-13.45	-13.83	-9.24	-7.55	-9.37	-5.88	-12.79	-12.45	-10.83	-10.69	-7.22	-7.98	-13.05	-14.33	-10.5		
100	-9.01	-7.63	-5.42	-2.62	-0.49	-1.84	-9.87	-11.41	-7.06	-12.92	-12.84	-12.71	-11.73	-10.11	-18.88	-18.13	-14.57	-18.28	-15.67	-9.42	-6.44	-6.09	-8.11	-8.22	-7.98	-8.39	-9.21	-16.01	-16.61	-12.42	-8.73	-6.74	-6.03	-5.89	-7.14	-6.75	-6.13		
110	-7.7	-7.02	-5.87	-3.94	-2.47	-2.65	-3.89	-5.38	-4.4	-12.88	-10.38	-11.7	-9.63	-11.56	-14.3	-25.02	-15.54	-13.69	-19.13	-17.76	-11.48	-10.66	-13.14	-14.81	-18.28	-9.01	-6.66	-11.77	-7.99	-5.88	-5.11	-5.72	-6.34	-5.05	-6.81	-7.73	-7.98		
120	-12.07	-13.49	-12.63	-9.91	-6.32	-4.76	-5.79	-5.88	-5.49	-14.64	-12.61	-28.52	-19	-27.31	-15.97	-13.96	-18.9	-15.65	-13.4	-13.75	-14.52	-15.57	-16.68	-15.97	-11.25	-8.18	-9.33	-9.78	-7.87	-7.53	-6.34	-4.92	-6.22	-4.8	-10	-11.49	-12.52		
130	-12.7	-15.97	-14.94	-10.81	-8.11	-8.19	-10.75	-16.89	-19.48	-10.6	-25.14	-15.75	-13.79	-14.67	-10.35	-9.95	-12.51	-13.75	-12.18	-10.22	-9.14	-9.24	-11.54	-13.42	-11.21	-11.83	-6.83	-2.86	-4	-4.24	-5.08	-5.16	-4.96	-5.56	-7.27	-9.73	-12.98		
140	-7.62	-11.17	-17.76	-18.19	-11.59	-8.28	-7.63	-11.57	-25.86	-19.21	-13.66	-10.1	-16.8	-8.91	-7.89	-10.55	-12.41	-11.1	-9.78	-9.44	-10.44	-14.05	-27.42	-15.87	-10.82	-7.61	-4.31	-1.05	-0.21	-0.95	-1.77	-3	-2.22	-2.64	-3.66	-5.65	-7.84		
150	-8.4	-6.94	-8.32	-11.92	-23.79	-16.78	-9.83	-7.18	-8.28	-6.41	-4.91	-9.03	-14.64	-18.25	-32.42	-26.4	-18.78	-13.49	-12.75	-13.51	-15.97	-22.62	-24.52	-11.1	-5.14	-1.99	-0.29	-0.08	-0.34	-2.06	-3.96	-5.22	-4.07	-6.01	-6.91	-4.09	-7.15		
160	-13.41	-19.4	-22.26	-17.34	-13.42	-10.83	-8.82	-6.38	-4.21	-3.08	-2.01	-4.4	-6.52	-10.42	-14.52	-16.69	-15.77	-15.23	-14.69	-15.28	-11.21	-9.23	-7.19	-5.42	-4.33	-4.09	-4.63	-5.55	-6.08	-5.66	-5.05	-4.63	-4.49	-5.2	-7.25	-10			
170	-10.25	-13.3	-17.64	-23.18	-20.12	-15.97	-14.34	-14.49	-15.54	-14.67	-12.57	-11.49	-11.77	-13.6	-17.33	-24.45	-28.35	-18.75	-15.7	-13.64	-12.88	-12.07	-11.43	-10.93	-10.35	-9.4	-8.37	-7.37	-6.7	-6.21	-5.83	-5.71	-6.02	-6.76	-7.68	-8.69	-10.4		
180	-30.22	-17.81	-12.05	-8.88	-6.91	-5.66	-5.21	-5.18	-5.12	-4.61	-4.22	-4.18	-4.74	-5.68	-7.41	-10.12	-13.74	-18.42	-19.65	-15.77	-12.84	-10.37	-8.54	-7.17	-6.23	-5.54	-5.32	-5	-5.08	-5.22	-5.97	-6.83	-8.32	-10.77	-14.57	-20.22			



Phi (°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	
Phi (deg.)	0	-2.03	-1.84	-1.92	-2.08	-2.41	-2.3	-4.73	-6.78	-9.56	-13.78	-23.08	-18.14	-12.68	-8.27	-5.78	-3.95	-2.48	-1.49	-1.02	-0.85	-1.06	-1.51	-2.12	-3.23	-4.78	-6.73	-8.87	-13.98	-18.76	-15.74	-10.98	-7.61	-5.33	-3.03	-2.74	-2.1	-1.4
10	2.08	-1.61	-1.57	-1.61	-1.8	-2.3	-3.34	-4.98	-7.19	-9.74	-12.51	-12.83	-11.42	-9.71	-8.03	-6.59	-5.44	-4.64	-4.12	-3.75	-3.48	-3.28	-3.78	-4.65	-5.53	-7.13	-9.67	-13.99	-25.14	-21.69	-13.85	-9.82	-7.12	-5.34	-3.88	-3.98	-3.23	
20	1.1	-0.63	-0.28	-0.01	-0.17	-0.93	-2.07	-3.59	-4.88	-6.11	-7.87	-9.74	-10.84	-10.43	-8.93	-7.08	-5.87	-5.07	-4.78	-4.78	-4.64	-4.65	-4.89	-5.54	-7.4	-8.19	-8.22	-9.61	-12.62	-23.76	-17.82	-10.14	-7.03	-5.47	-4.28	-3.04	-2.15	-1.33
30	0.43	1.03	1.53	1.63	1.1	-0.14	-1.62	-3.28	-4.07	-4.56	-5.92	-7.97	-9.87	-10.03	-9.49	-9.42	-9.72	-10.33	-10.4	-9.28	-7.84	-6.65	-6.37	-7.3	-8.89	-9.98	-10.59	-13.15	-21.32	-17.98	-8.99	-5.13	-3.22	-2.38	-1.44	-0.32	0.08	
40	0.09	1.08	0.92	0.72	0.13	-1.29	-3.53	-4.24	-5.48	-5.5	-7.38	-9.44	-11.11	-11.91	-11.33	-10.38	-11.09	-9.23	-7.92	-7.04	-6.14	-5.44	-5.73	-6.78	-8.11	-9.18	-9.77	-13.85	-21.38	-13.83	-9.48	-5.77	-3.88	-3.13	-1.96	0.48	0.83	
50	0.05	-0.18	-0.43	-0.76	-1.27	-2.43	-4.48	-6.08	-5.97	-4.32	-4.43	-7.54	-12.12	-12.46	-9.78	-6.93	-6.01	-7.85	-7.94	-6.85	-6.09	-5.88	-6.44	-6.4	-6.54	-10.76	-19.54	-10.41	-8.82	-6.5	-4.11	-2.72	-1.9	-0.93	-0.33	0.04	-0.22	
60	0.45	-0.48	-1.26	-1.15	-0.99	-1.97	-3.72	-5.3	-5.68	-3.36	-3.09	-9.17	-18.03	-15.86	-9.14	-6.3	-6.02	-6.62	-4.79	-4.67	-5.08	-5.6	-6.17	-6.52	-8.47	-14.25	-15.73	-8.07	-6.24	-6.56	-5.76	-3.97	-1.83	-0.53	0.44	0.87	0.52	
70	2.12	0.67	-0.29	0.04	0.43	-0.24	-1.05	-5.22	-6.23	-4.13	-5.37	-11.93	-18.28	-12.63	-10.51	-10.23	-6.17	-3.24	-2.58	-3.3	-5.3	-8.18	-9.08	-8.04	-12.56	-17.43	-11.54	-4.98	-3.41	-6.35	-7.15	-3.77	-0.49	1.85	3.09	3.12	2.04	
80	3.45	2.11	1.09	1.08	1.44	0.62	-1.93	-4.3	-3.53	-5.91	-10.24	-14.69	-11.49	-11.39	-10.78	-8.98	-7.95	-7.22	-4.66	-4.21	-7.37	-12.78	-18.25	-14.45	-16.58	-9.49	-5.58	-4.58	-4.52	-6.85	-4.73	0.27	2.92	4.2	4.27	3.47		
90	3.32	2.94	0.9	0.88	0.82	0.88	-2.36	-2.72	-3.33	-3.68	-7.23	-12	-10.72	-9.19	-10.8	-15.33	-13.64	-10.72	-10.97	-6.01	-5.33	-7.93	-18.76	-15.94	-14.46	-8.26	-4.23	-3.74	-3.81	-3.63	-5.17	-1.14	1.74	3.17	3.74	3.86	3.03	
100	-0.44	-1.54	-2.34	-2.07	-1.83	-2.59	-3.73	-4.58	-7.45	-5.86	-4	-9.38	-10.64	-11.4	-11.41	-20.38	-13.47	-15.46	-13.56	-8.16	-6.69	-8.67	-17.55	-15.94	-9.45	-7.71	-4.18	-0.83	-0.87	-2.48	-1.69	0.69	2.62	2.88	1.89	0.43	-0.41	
110	-2.45	-4.36	-6.09	-6.24	-5.13	-5.8	-8.75	-16.4	-9.42	-5.86	-6.72	-12.88	-14.7	-16.73	-12.33	-10.11	-10.07	-13.72	-12.27	-14.46	-10.69	-12.01	-16.98	-8.66	-5.46	-6.06	-4.67	0.09	1.59	-0.21	-1.06	0.19	1.32	1.78	0.84	-0.78	-2.68	
120	-6.52	-1.32	-3.62	-5.9	-7.05	-11.23	-14.41	-12.51	-10.43	-6.83	-9.95	-14.49	-19.43	-18.74	-20.74	-10.65	-7.15	-7.82	-11.23	-13.91	-9.79	-7.44	-5.28	-4.81	-5.81	-6.24	-1.46	0.3	-0.97	-2.42	-1.34	-0.81	-0.85	-0.78	-0.81	-0.78	-0.81	
130	-6.08	-1.62	-4.38	-7.4	-10.17	-12.88	-7.95	-10.53	-10.44	-8.11	-10.06	-9.2	-9.05	-10.78	-9.62	-8.2	-8.8	-8.19	-16.1	-14.28	-12.43	-9.45	-7.49	-7.5	8	-8.04	-6.54	-5.54	-3.13	-0.33	-0.69	-3.55	-3.98	-1.98	-0.27	0.49	0.4	-0.19
140	-6.45	-2.68	-7.14	-14.88	-16.96	-17.43	-13.43	-12.56	-10.08	-6.91	-8.87	-12.93	-11.33	-9.13	-8.22	-9.23	-11.82	-16.44	-16.09	-13.43	-10.07	-7.79	-6.17	-3.13	-5.57	-12.44	-8.51	-6.19	-4.45	-3.37	-3.32	-5.59	-2.4	-0.83	-2.74	-0.83	-2.74	
150	-11.38	-4.17	-10.98	-10.21	-6.91	-8.45	-10.01	-7	-8.53	-12.63	-14.22	-12.83	-15.65	-17.7	-17.86	-12.17	-10.83	-12.11	-13.97	-13.5	-10.58	-7.74	-5.96	-4.18	-5.73	-11.1	-12.15	-8.85	-6.46	-4.23	-4.46	-5.73	-2.54	-0.94	-0.94	-1.87	-1.87	
160	-13.98	-5.94	-13.98	-13.98	-10.47	-12.66	-13.98	-12.66	-10.47	-12.66	-13.98	-12.66	-10.47	-12.66	-13.98	-12.66	-10.47	-12.66	-13.98	-12.66	-10.47	-12.66	-13.98	-12.66	-10.47	-12.66	-13.98	-12.66	-10.47	-12.66	-13.98	-12.66	-10.47	-12.66	-13.98	-12.66	-10.47	-12.66
170	-5.06	-5.52	-6.4	-7.82	-10.06	-11.3	-16.34	-18.43	-17.51	-17.18	-17.59	-17.67	-14.02	-11.69	-10.09	-10.83	-11.01	-12.82	-12.97	-14.04	-16.47	-17.82	-19.97	-22.11	-23.65	-23.16	-18.53	-16.67	-18.48	-17.27	-9.83	-7.72	-6.24	-5.33	-4.49	-4.58	-5.4	
180	-5.74	-5.88	-5.73	-6.4	-7.65	-9.63	-13.31	-19.51	-24.9	-23.41	-15.89	-11.66	-9.01	-7.27	-6.39	-5.92	-5.3	-5.06	-4.99	-5.3	-5.44	-6.08	-6.94	-7.97	-9.21	-10.77	-12.98	-15.47	-18.12	-21.04	-23.87	-26.78	-29.7	-32.6	-35.5	-38.4	-41.3	-44.2

Theta (H) Theta (deg.) \ Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
0	-8.46	-6.59	-4.98	-3.44	-2.18	-1.55	-1.14	-0.78	-0.72	-0.73	-1.1	-1.73	-2.69	-3.91	-5.59	-7.97	-10.05	-10.21	-8.36	-6.03	-3.97	-2.59	-1.63	-0.86	-0.43	-0.35	-0.41	-0.75	-1.41	-2.37	-3.61	-5.24	-7.28	-9.46	-11.36	-10.78	-8.56
10	-10.78	-8.44	-6.93	-5.93	-5.16	-4.59	-4.02	-3.48	-2.89	-2.2	-1.63	-1.42	-1.7	-2.39	-3.72	-5.87	-9.1	-12.46	-10.48	-6.43	-3.36	-1.46	0.14	1.13	1.59	1.66	1.13	0.09	-1.24	-3.01	-5.16	-7.89	-11.77	-18.79	-25.47	-15.01	-10.91
20	-8.14	-6.42	-5.77	-5.5	-5.99	-7.21	-8.01	-7.2	-5.63	-4.03	-2.8	-2.23	-2.8	-4.33	-7.11	-11.43	-15.3	-13.09	-10.55	-8.36	-5.93	-3.32	-1.16	0.06	2.02	2.55	2.36	1.75	0.74	-0.57	-2.24	-4.9	-9.43	-18.81	-17.82	-11.13	-8.08
30	1.43	-0.38	-0.27	-0.43	-0.16	-0.26	-0.23	-0.66	-0.22	-0.32	-0.71	-1.45	-2.02	-13.96	-13.32	-10.19	-10.68	-15.45	-16.91	-9.55	-5.35	-2.97	-1.39	0.01	1.32	2.26	2.38	1.81	1.23	0.76	-0.42	-3.14	-8.47	-18.85	-20.18	-13.21	-10.27
40	-18.24	-16.26	-12.53	-12.36	-12.01	-11.69	-8.61	-8.98	-8.43	-4.49	-4.82	-9.6	-26.61	-15.2	-9.41	-8.19	-11.11	-11.4	-6.47	-3.15	-0.26	-0.22	0.28	1.14	1.82	2.24	2.57	2.32	1.56	-0.09	-2.49	-5.16	-5.56	-5.28	-6.65	-10.45	-18.45
50	-15.09	-11.68	-9.79	-9.42	-10.04	-12.14	-9.97	-7.04	-9.94	-7.67	-11.63	-12.77	-10.74	-6.53	-3.36	-3.11	-4.59	-8.26	-4.11	-1.11	0.27	0.9	1.11	1.29	1.42	1.09	1.84	2.06	0.63	-1.82	-4.79	-5.72	-1.6	-1.72	-4.89	-11.22	-15.41
60	-10.59	-11.04	-11.42	-10.33	-8.83	-10.56	-12.85	-7.89	-6.02	-8.11	-10.35	-9.28	-11.46	-2.89	1.22	0.29	-3.75	-8.98	-2.03	0.07	2.04	1.97	1.18	0.01	0.36	-0.74	-0.63	0	-0.03	-1.3	-4.09	-6.13	-5.34	-6.24	-8.66	-10.18	-11.2
70	-9.32	-12.88	-12.88	-10.97	-13.52	-13.34	-15.57	-19.01	-9.7	-4.34	-5.49	-9.01	-5.31	0.62	1.2	1.79	-4.43	-8.18	-6.01	0.26	0.68	1.71	-0.22	-1.53	-0.46	-1.19	-3.79	-4.25	-2.37	-2.42	-4.72	-7.69	-8.24	-8.67	-7.51	-7.32	-8.86
80	-10.4	-11.4	-6.45	-4.24	-7.72	-12.68	-28.37	-11.07	-6.89	-6.88	-8.44	-7.35	-4.47	-1.12	1.34	1.98	-3.08	-0.49	-1.53	0.8	0.75	-0.25	-3.45	-6.08	-0.43	-0.05	-5.31	-7.27	-5.48	-5.54	-10.13	-7.19	-9.7	-15.01	-10.5	-9.07	-10.39
90	-19.92	-11.99	-4.37	-1.67	-3.78	-13.56	-18.99	-18.51	-6.79	-4	-9.85	-2.84	-5.45	-1.69	0.59	0.07	0.04	-8.87	-5.87	-1.99	-1.52	-1.39	-4.02	-7.69	-1.7	-1.34	-4.27	-1.86	-4.43	-9.64	-24.33	-10.18	-17.78	-13.5	-10.53	-12.15	-18.91
100	-10.53	-15.01	-5.46	-1.19	-3.53	-16.38	-12.81	-17.25	-8.57	-2.79	-2.09	-3.54	-4.45	-0.44	2.01	1.54	-0.56	-6.68	-13.1	-8.25	-5.06	-3.35	-4.46	-3.88	-1.96	-3.55	-5.95	-2.67	-9.91	-13.47	-16.97	-14.86	-21.68	-14.16	-9.13	-7.24	-10.19
110	-8.74	-8.57	-5.42	-3.2	-5.05	-18.47	-9.96	-8.78	-2.79	-7.43	-4.78	-3.8	-2.44	-0.03	-0.88	-4.22	-10.18	-13.98	-8.21	-5.65	-3.61	-4.96	-8.76	-6.53	-3.73	-7.18	-14.17	-14.01	-10.78	-10.82	-19.83	-16.09	-26.74	-18.87	-11.39	-8.63	-8.51
120	-8.63	-9.27	-6.44	-3.71	-5.41	-12.76	-8.12	-8.44	-4.34	-6.53	-6.19	-6.96	-3.17	-2.98	-3.2	-6.09	-19.07	-8.92	-3.46	-1.01	-0.5	-2.36	-8.21	-12.33	-4.93	-5.99	-15.96	-14.37	-21.19	-10.47	-15.12	-13.74	-14.27	-18.05	-11.06	-8.43	-8.24
130	-9.29	-9.93	-8.42	-5.3	-6.46	-21.78	-10.84	-9.22	-4.44	-0.51	-2.07	-1.89	-3.28	0.08	1	-3.34	-18.89	-9.06	-4.13	-1.97	-1.44	-3.09	-7.64	-21.49	-13.73	-15.43	-11.73	-8.9	-8.94	-9.88	-15.26	-13.93	-10.05	-11.45	-13.31	-10.3	-9.28
140	-9.62	-9.46	-7.3	-5.42	-7.75	-17.75	-3.6	-4.43	-0.81	-1.71	-4.23	-10.27	-6.73	-1.61	0.15	-1.46	-5.78	-10.07	-7.72	-5.71	-5.94	-10.26	-19.27	-7.72	-6.15	-7.42	-10.37	-8.93	-13.82	-28.58	-19.05	-16.88	-28.33	-17.55	-12.18	-10.45	-9.49
150	-13.24	-13.17	-16.32	-20.36	-17.48	-12.66	-7.42	-1.61	-2.39	-3.98	-6.8	-8.26	-9.58	-7.85	-5.06	-5.72	-6.62	-7.32	-7.41	-7.77	-9.13	-12.78	-24.71	-14.1	-8.47	-7.77	-11.31	-15.59	-13.88	-23.45	-15.19	-9.85	-9.82	-11.43	-12.68	-13.98	-13.31
160	-15.45	-17.4	-17.12	-14.92	-12.11	-9.21	-7.72	-7.42	-6.99	-5.26	-3.63	-3.71	-6.04	-10.73	-18.53	-30.18	-20.02	-18.51	-18.78	-18.89	-16.52	-13.34	-12.24	-11.24	-10.98	-10.42	-9.96	-10.09	-10.61	-12.24	-18.25	-16.59	-11.28	-9.77	-10.19	-12.19	-15.28
170	-17.83	-17.69	-1.8	1.78	-17.72	-15.21	-13.5	-12.5	-11.94	-13.14	-14.88	-14.81	-19.27	-14.96	-16.1	-16.88	-17.88	-20.12	-21.1	-20.84	-18.42	-15.35	-13.24	-11.35	-10.53	-10.69	-11.01	-12.2	-15.65	-20.72	-22.43	-20.65	-17.94	-18.84	-16.71	-17.64	-17.64
180	-21.76	-24.18	-20.5	-17.2	-14.6	-12.41	-10.12	-8.27	-7.46	-7.69	-8.34	-8.61	-8.61	-9	-9.8	-10.72	-11.91	-13.88	-15.53	-16.53	-16.16	-14.63	-12.1	-9.97	-8.85	-8.05	-7.81	-8.33	-9.85	-11.15	-11.6	-11.52	-11.37	-12.51	-14.33	-16.47	-21.86

Phi (V) Theta (deg.) Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
0	1.55	-1.87	-2.39	-3.28	-4.48	-6.07	-7.83	-9.05	-10.01	-8.52	-6.51	-4.47	-2.98	-1.82	-0.98	-0.28	0.07	0.39	-0.03	-0.36	-1.02	-2.1	-3.81	-5.93	-8.55	-11.65	-12.45	-9.5	-6.62	-4.58	-3.17	-2.1	-1.47	-1.16	-0.93	-1.12	-1.26
10	0.44	-6.39	-7.07	-7.79	-8.78	-10.05	-11.52	-13.67	-15.12	-14.02	-10.31	-6.67	-3.95	-1.96	-0.44	0.74	1.58	2.07	2.22	2.05	1.67	0.89	-0.29	-2.23	-4.94	-7.62	-8.96	-8.1	-6.22	-4.54	-3.62	-3.09	-3.44	-3.79	-4.46	-5.64	
20	-9.17	-10.82	-9.88	-7.81	-6.47	-6.23	-7.77	-10.06	-16.06	-22.77	-13.85	-8.09	-4.66	-2.34	-0.93	-0.41	-0.43	0.55	-0.53	-0.19	0.05	-0.07	-1.03	-2.96	-5.82	-8.31	-7.96	-6.39	-5.06	-4.32	-4.01	-4	-4.13	-4.99	-5.7	-7.33	-9.23
30	-15.78	-31.02	-13.78	-8.86	-6.2	-4.56	-4.37	-7.37	-19.63	-13.23	-8.71	-6.63	-4.69	-3.46	-3.6	-4.36	-4.61	1.75	-2.42	-1.71	-1.39	-1.2	-1.31	-2.3	-5.62	-12.35	-10.39	-6.66	-5.5	-5.31	-5.71	-6	-5.53	-5.61	-6.79	-9.44	-15.18
40	-5.87	-8.18	-11.76	-11.23	-8.91	-6.76	-4.64	-4.79	-12.77	-10.38	-5.08	-5.51	-5.99	-4.09	-3.95	-4.73	-5.08	-4.61	-4.32	-3.33	-3.35	-3.34	-2.99	-4.24	-8.39	-17.07	-9.78	-6.84	-8.3	-8.35	-5.45	-4.11	-4.01	-3.95	-4.43	-5.29	
50	-2.78	-5.38	-10.21	-19.93	-16.84	-9.69	-5.95	-5.2	-9.49	-14.44	-6.98	-6.53	-6.02	-1.17	-0.53	-2.07	-3.82	-4.63	-4.61	-4.63	-4.15	-3.24	-3.5	-6.37	-11.12	-13.08	-17.82	-12.78	-10	-4.3	-3.21	-3.58	-2.63	-1.68	-1.84	-2.54	
60	-3.4	-6.27	-9.01	-10.2	-13.9	-17.71	-5.97	-2.53	-5.3	-8.73	-10.47	-7.19	-1.89	1.52	1.55	-1.72	-6.08	-5.54	-2.66	-1.22	-1.22	-1.19	-2.61	-3.87	-4.81	-10.1	-11.41	-8.72	-11.33	-12.22	-8.98	-8.22	-6.32	-3.95	-1.27	-1.62	-3.39
70	-8.71	-13.79	-12.4	-10.76	-14.18	-23.54	-6.05	-1.87	-5.43	-11.29	-9.74	-3	-2.23	0.05	1.03	-1.38	-2.73	-0.66	1.05	1.51	1	-0.26	-2.47	-6.07	-10.2	-11.61	-12.1	-8.5	-7.11	-14.45	-18.97	-22.77	-6.71	-2.05	-2.08	-4.3	-8.47
80	-9.86	-16	-15.66	-14.53	-13.63	-12.63	-6.4	-2.96	-4.56	-11.1	-9.6	-2.55	-5.41	-3.37	1.1	-1.2	-0.26	-0.27	0.37	0.21	-1.2	-3.91	-6.2	-8.06	-11.09	-11.73	-8.66	-9.42	-8.29	-11.67	-6.59	-5.41	-3.55	-2.81	-3.85	-6.13	-9.51
90	-5.54	-8.43	-11.2	-11.22	-16.53	-15.66	-13.53	-9.26	-5.49	-10.57	-6.55	-2.72	-4.43	-2.89	0.81	-0.45	-2.28	-3.62	-2.4	-1.72	-3.08	-4.79	-5.23	-7.55	-16.43	-10.63	-6.14	-8.31	-14.13	-12.83	-5.62	-3.89	-4.49	-5.54	-6.12	-5.28	-5.41
100	-5.58	-8.74	-8.55	-10.33	-11.23	-17.25	-20.21	-11.9	-2.99	-2.86	-5.01	-4.04	-2.01	-2.01	-1.84	-1.61	-2.3	-2.58	-1.6	-1.02	-1.72	-3.79	-6.95	-9.63	-15.19	-22.1	-6.19	-2.25	-6.29	-12.72	-7.93	-4.82	-4.14	-4.9	-5.45	-5.47	-5.52
110	-3.38	-4.41	-7.02	-12.64	-16.3	-18.15	-15.75	-7.97	-3.82	-5.45	-5.97	-4.29	-1.72	-1.99	-3.31	-2.09	0.03	0.65	0.39	-0.02	-3.1	-7.43	-10.15	-9.23	-7.62	-10.39	-8.31	-2.81	-8.2	-13.71	-8.46	-4.66	-4.75	-7.55	-8.23	-4.4	-3.08
120	-1.83	-2.21	-4.05	-9.62	-19.67	-13.59	-7.98	-7.02	-4.58	-5.07	-8.84	-5.15	-1.89	-1.53	-3	-1.97	0.23	0.93	-0.49	-2.44	-7.08	-11.38	-12.01	-14	-8.47	-8.31	-16.7	-11.9	-11.69	-9.21	-3.51	-1.86	-5.96	-18.13	-10.2	-3.6	-1.51
130	0.14	-0.63	-3.45	-10.16	-19.98	-9.37	-9.14	-8.49	-6.13	-7.82	-10.51	-8.96	-4.04	-5.48	-6.21	-3.34	-2.02	-2.43	-4.49	-7.99	-9.83	-9.55	-13.2	-20.57	-10.74	-11.29	-7.62	-8.26	-15.98	-7.92	-3.96	-2.43	-7.78	-9.85	-2.07	-0.44	0.29
140	0.65	-1.8	-4.72	-9.12	-10.64	-10.19	-10.28	-12.06	-16.09	-15.73	-8.77	-6.65	-4.83	-3.48	-3.56	-4.54	-3.18	-2.39	-4.01	-6.17	-8.61	-8.47	-9.05	-10.49	-10.48	-11.86	-10.6	-15.51	-13.29	-9.53	-4.48	-5.56	-6.23	-18.76	-12.1	-1.58	-0.52
150	-4.99	-5.97	-8.69	-11.78	-10.93	-11.6	-15.59	-9.19	-7.64	-10.83	-8.67	-14.44	-10.05	-4.3	-2.25	-2.09	-3.62	-6.29	-9.33	-11.02	-16.54	-13.38	-11.34	-9.64	-2.17	-10.22	-5.84	-6.09	-12.9	-15.27	-11.52	-14.28	-18.33	-10.59	-6.35	-4.99	-4.9
160	-11.45	-10.11	-11.78	-10.06	-9.8	-10.4	-15.06	-9.8	-8.73	-13.59	-11.48	-14.57	-10.38	-4.7	-2.5	-2.1	-3.62	-6.17	-9.33	-11.02	-16.54	-13.38	-11.34	-9.64	-2.17	-10.22	-5.84	-6.09	-12.9	-15.27	-11.52	-14.28	-18.33	-10.59	-6.35	-4.99	-4.9
170	-11.45	-10.08	-20.06	-24.37	-22.15	-19.53	-19.14	-22.1	-28.57	-22.68	-17.21	-14.51	-18.1	-14.16	-14.02	-13.3	-11.62	-10.14	-9.25	-8.52	-8.15	-8.36	-8.5	-9.63	-11.5	-12.72	-12.72	-10.61	-8.92	-8.07	-8.64	-10.6	-12.31	-14.52	-14.04	-14.25	
180	-11.49	-11	-10.78	-10.75	-10.86	-11.03	-11.93	-13.06	-14.36	-15.2	-15.53	-14.48	-13.87	-12.75	-11.65	-10.27	-8.99	-8.81	-8.65	-9.19	-9.57	-9.89	-10.27	-10.57	-11.04	-11.65	-12.45	-13.3	-14.59	-15.27	-15.35	-15.35	-14.02	-13.04	-12.13	-11.24	-11.29

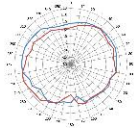
Ψ (°)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Ψ (deg.)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
-17.96	-20.04	-22.13	-20.22	-16.84	-14.51	-13.71	-12.14	-11.11	-10.51	-10	0.57	0.26	0.26	0.07	-10.73	-12.14	-13.88	-16.44	-19.73	-22.31	-23.71	-20.51	-17.19	-14.45	-12.85	-11.40	-10.34	-9.72	-9.57	-9.46	-9.09	-10.57	-11.72	-13.22	-15.05	-17.29	-19.94	-23.00	-26.36	-30.03	-34.01	-38.20	-42.59	-47.18	-51.97	-56.95	-62.12	-67.47	-73.00	-78.71	-84.60	-90.67	-96.91	-103.32	-109.91	-116.66	-123.58	-130.67	-137.93	-145.35	-152.93	-160.66	-168.54	-176.57	-184.74	-193.04	-201.47	-210.03	-218.72	-227.54	-236.48	-245.55	-254.75	-264.07	-273.52	-283.10	-292.81	-302.65	-312.62	-322.72	-332.95	-343.31	-353.79	-364.39	-375.10	-385.92	-396.85	-407.89	-419.03	-430.27	-441.61	-453.05	-464.58	-476.20	-487.91	-499.71	-511.59	-523.55	-535.58	-547.68	-559.85	-572.08	-584.37	-596.72	-609.13	-621.60	-634.13	-646.72	-659.36	-672.05	-684.79	-697.57	-710.40	-723.27	-736.18	-749.13	-762.12	-775.15	-788.22	-801.33	-814.47	-827.64	-840.84	-854.07	-867.33	-880.62	-893.94	-907.29	-920.66	-934.06	-947.48	-960.92	-974.38	-987.86	-1001.35	-1014.85	-1028.36	-1041.88	-1055.41	-1068.95	-1082.50	-1096.05	-1109.61	-1123.18	-1136.75	-1150.33	-1163.91	-1177.50	-1191.09	-1204.68	-1218.27	-1231.86	-1245.45	-1259.04	-1272.63	-1286.22	-1299.81	-1313.40	-1326.99	-1340.58	-1354.17	-1367.76	-1381.35	-1394.94	-1408.53	-1422.12	-1435.71	-1449.30	-1462.89	-1476.48	-1490.07	-1503.66	-1517.25	-1530.84	-1544.43	-1558.02	-1571.61	-1585.20	-1598.79	-1612.38	-1625.97	-1639.56	-1653.15	-1666.74	-1680.33	-1693.92	-1707.51	-1721.10	-1734.69	-1748.28	-1761.87	-1775.46	-1789.05	-1802.64	-1816.23	-1829.82	-1843.41	-1857.00	-1870.59	-1884.18	-1897.77	-1911.36	-1924.95	-1938.54	-1952.13	-1965.72	-1979.31	-1992.90	-2006.49	-2020.08	-2033.67	-2047.26	-2060.85	-2074.44	-2088.03	-2101.62	-2115.21	-2128.80	-2142.39	-2155.98	-2169.57	-2183.16	-2196.75	-2210.34	-2223.93	-2237.52	-2251.11	-2264.70	-2278.29	-2291.88	-2305.47	-2319.06	-2332.65	-2346.24	-2359.83	-2373.42	-2387.01	-2400.60	-2414.19	-2427.78	-2441.37	-2454.96	-2468.55	-2482.14	-2495.73	-2509.32	-2522.91	-2536.50	-2550.09	-2563.68	-2577.27	-2590.86	-2604.45	-2618.04	-2631.63	-2645.22	-2658.81	-2672.40	-2685.99	-2699.58	-2713.17	-2726.76	-2740.35	-2753.94	-2767.53	-2781.12	-2794.71	-2808.30	-2821.89	-2835.48	-2849.07	-2862.66	-2876.25	-2889.84	-2903.43	-2917.02	-2930.61	-2944.20	-2957.79	-2971.38	-2984.97	-2998.56	-3012.15	-3025.74	-3039.33	-3052.92	-3066.51	-3080.10	-3093.69	-3107.28	-3120.87	-3134.46	-3148.05	-3161.64	-3175.23	-3188.82	-3202.41	-3216.00	-3229.59	-3243.18	-3256.77	-3270.36	-3283.95	-3297.54	-3311.13	-3324.72	-3338.31	-3351.90	-3365.49	-3379.08	-3392.67	-3406.26	-3419.85	-3433.44	-3447.03	-3460.62	-3474.21	-3487.80	-3501.39	-3514.98	-3528.57	-3542.16	-3555.75	-3569.34	-3582.93	-3596.52	-3610.11	-3623.70	-3637.29	-3650.88	-3664.47	-3678.06	-3691.65	-3705.24	-3718.83	-3732.42	-3746.01	-3759.60	-3773.19	-3786.78	-3800.37	-3813.96	-3827.55	-3841.14	-3854.73	-3868.32	-3881.91	-3895.50	-3909.09	-3922.68	-3936.27	-3949.86	-3963.45	-3977.04	-3990.63	-4004.22	-4017.81	-4031.40	-4044.99	-4058.58	-4072.17	-4085.76	-4099.35	-4112.94	-4126.53	-4140.12	-4153.71	-4167.30	-4180.89	-4194.48	-4208.07	-4221.66	-4235.25	-4248.84	-4262.43	-4276.02	-4289.61	-4303.20	-4316.79	-4330.38	-4343.97	-4357.56	-4371.15	-4384.74	-4398.33	-4411.92	-4425.51	-4439.10	-4452.69	-4466.28	-4479.87	-4493.46	-4507.05	-4520.64	-4534.23	-4547.82	-4561.41	-4575.00	-4588.59	-4602.18	-4615.77	-4629.36	-4642.95	-4656.54	-4670.13	-4683.72	-4697.31	-4710.90	-4724.49	-4738.08	-4751.67	-4765.26	-4778.85	-4792.44	-4806.03	-4819.62	-4833.21	-4846.80	-4860.39	-4873.98	-4887.57	-4901.16	-4914.75	-4928.34	-4941.93	-4955.52	-4969.11	-4982.70	-4996.29	-5009.88	-5023.47	-5037.06	-5050.65	-5064.24	-5077.83	-5091.42	-5105.01	-5118.60	-5132.19	-5145.78	-5159.37	-5172.96	-5186.55	-5200.14	-5213.73	-5227.32	-5240.91	-5254.50	-5268.09	-5281.68	-5295.27	-5308.86	-5322.45	-5336.04	-5349.63	-5363.22	-5376.81	-5390.40	-5403.99	-5417.58	-5431.17	-5444.76	-5458.35	-5471.94	-5485.53	-5499.12	-5512.71	-5526.30	-5539.89	-5553.48	-5567.07	-5580.66	-5594.25	-5607.84	-5621.43	-5635.02	-5648.61	-5662.20	-5675.79	-5689.38	-5702.97	-5716.56	-5730.15	-5743.74	-5757.33	-5770.92	-5784.51	-5798.10	-5811.69	-5825.28	-5838.87	-5852.46	-5866.05	-5879.64	-5893.23	-5906.82	-5920.41	-5934.00	-5947.59	-5961.18	-5974.77	-5988.36	-6001.95	-6015.54	-6029.13	-6042.72	-6056.31	-6069.90	-6083.49	-6097.08	-6110.67	-6124.26	-6137.85	-6151.44	-6165.03	-6178.62	-6192.21	-6205.80	-6219.39	-6232.98	-6246.57	-6260.16	-6273.75	-6287.34	-6300.93	-6314.52	-6328.11	-6341.70	-6355.29	-6368.88	-6382.47	-6396.06	-6409.65	-6423.24	-6436.83	-6450.42	-6464.01	-6477.60	-6491.19	-6504.78	-6518.37	-6531.96	-6545.55	-6559.14	-6572.73	-6586.32	-6599.91	-6613.50	-6627.09	-6640.68	-6654.27	-6667.86	-6681.45	-6695.04	-6708.63	-6722.22	-6735.81	-6749.40	-6762.99	-6776.58	-6790.17	-6803.76	-6817.35	-6830.94	-6844.53	-6858.12	-6871.71	-6885.30	-6898.89	-6912.48	-6926.07	-6939.66	-6953.25	-6966.84	-6980.43	-6994.02	-7007.61	-7021.20	-7034.79	-7048.38	-7061.97	-7075.56	-7089.15	-7102.74	-7116.33	-7129.92	-7143.51	-7157.10	-7170.69	-7184.28	-7197.87	-7211.46	-7225.05	-7238.64	-7252.23	-7265.82	-7279.41	-7293.00	-7306.59	-7320.18	-7333.77	-7347.36	-7360.95	-7374.54	-7388.13	-7401.72	-7415.31	-7428.90	-7442.49	-7456.08	-7469.67	-7483.26	-7496.85	-7510.44	-7524.03	-7537.62	-7551.21	-7564.80	-7578.39	-7591.98	-7605.57	-7619.16	-7632.75	-7646.34	-7659.93	-7673.52	-7687.11	-7700.70	-7714.29	-7727.88	-7741.47	-7755.06	-7768.65	-7782.24	-7795.83	-7809.42	-7823.01	-7836.60	-7850.19	-7863.78	-7877.37	-7890.96	-7904.55	-7918.14	-7931.73	-7945.32	-7958.91	-7972.50	-7986.09	-7999.68	-8013.27	-8026.86	-8040.45	-8054.04	-8067.63	-8081.22	-8094.81	-8108.40	-8122.00	-8135.59	-8149.18	-8162.77	-8176.36	-8189.95	-8203.54	-8217.13	-8230.72	-8244.31	-8257.90	-8271.49	-8285.08	-8298.67	-8312.26	-8325.85	-8339.44	-8353.03	-8366.62	-8380.21	-8393.80	-8407.39	-8420.98	-8434.57	-8448.16	-8461.75	-8475.34	-8488.93	-8502.52	-8516.11	-8529.70	-8543.29	-8556.88	-8570.47	-8584.06	-8597.65	-8611.24	-8624.83	-8638.42	-8652.01	-8665.60	-8679.19	-8692.78	-8706.37	-8719.96	-8733.55	-8747.14	-8760.73	-8774.32	-8787.91	-8801.50	-8815.09	-8828.68	-8842.27	-8855.86	-8869.45	-8883.04	-8896.63	-8910.22	-8923.81	-8937.40	-8951.00	-8964.59	-8978.18	-8991.77	-9005.36	-9018.95	-9032.54	-9046.13	-9059.72	-9073.31	-9086.90	-9100.49	-9114.08	-9127.67	-9141.26	-9154.85	-9168.44	-9182.03	-9195.62	-9209.21	-9222.80	-9236.39	-9250.00	-9263.59	-9277.18	-9290.77	-9304.36	-9317.95	-9331.54	-9345.13	-9358.72	-9372.31	-9385.90	-9399.49	-9413.08	-9426.67	-9440.26	-9453.85	-9467.44	-9481.03	-9494.62	-9508.21	-9521.80	-9535.39	-9548.98	-9562.57	-9576.16	-9589.75	-9603.34	-9616.93	-9630.52	-9644.11	-9657.70	-9671.29	-9684.88	-9698.47	-9712.06	-9725.65	-9739.24	-9752.83	-9766.42	-9780.01	-9793.60	-9807.19	-9820.78	-9834.37	-9847.96	-9861.55	-9875.14	-9888.73	-9902.32	-9915.91	-9929.50	-9943.09	-9956.68	-9970.27	-9983.86	-9997.45	-10011.04	-10024.63	-10038.22	-10051.81	-10065.40	-10079.00	-10092.59	-10106.18	-10119.77	-10133.36	-10146.95	-10160.54	-10174.13	-10187.72	-10201.31	-10214.90	-10228.49	-10242.08	-10255.67	-10269.26	-10282.85	-10296.44	-10310.03	-10323.62	-10337.21	-10350.80	-10364.39	-10377.98	-10391.57	-10405.16	-10418.75	-10432.34	-10445.93	-10459.52	-10473.11	-10486.70	-10500.29	-10513.88	-10527.47	-10541.06	-10554.65	-10568.24	-10581.83	-10595.42	-10609.01	-10622.60	-10636.19	-10649.78	-10663.37	-10676.96	-10690.55	-10704.14	-10717.73	-10731.32	-10744.91	-10758.50	-10772.09	-10785.68	-10799.27	-10812.86	-10826.45	-10840.04	-10853.63	-10867.22	-10880.81	-10894.40	-10908.00	-10921.59	-10935.18	-10948.77	-10962.36	-10975.95	-10989.54	-11003.13	-11016.72	-11030.31	-11043.90	-11057.49	-11071.08	-11084.67	-11098.26	-11111.85	-11125.44	-11139.03	-11152.62	-11166.21	-11179.80	-11193.39	-11206.98	-11220.57	-11234.16	-11247.75	-11261.34	-11274.93	-11288.52	-11302.11	-11315.70	-11329.29	-11342.88	-11356.47	-11370.06	-11383.65	-11397.24	-11410.83	-11424.42	-11438.01	-11451.60	-11465.19	-11478.78	-11492.37	-11505.96	-11519.55	-11533.14	-11546.73	-11560.32	-11573.91	-11587.50	-11601.09	-11614.68	-11628.27	-11641.86	-11655.45

Θ_1 (°)	Θ_2 (°)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Θ_1 (deg.)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
0	-3.29	-4.74	-6.51	-8.71	-14.31	-21.17	-27.08	-30.29	-36.81	-44.41	-2.67	2.00	-1.74	-1.38	-1.38	-1.79	-2.60	-2.69	-3.84	-5.1	-7.31	-10.35	-14.38	-20.15	-26.6	-33.9	-41.02	-47.51	-54.4	-48.38	-3.34	-2.74	-2.5	-2.25	-2.25	-2.36	-3.31	-3.83	-4.43	-5.03	-5.63	-6.23	-6.83	-7.43	-8.03	-8.63	-9.23	-9.83	-10.43	-11.03	-11.63	-12.23	-12.83	-13.43	-14.03	-14.63	-15.23	-15.83	-16.43	-17.03	-17.63	-18.23	-18.83	-19.43	-20.03	-20.63	-21.23	-21.83	-22.43	-23.03	-23.63	-24.23	-24.83	-25.43	-26.03	-26.63	-27.23	-27.83	-28.43	-29.03	-29.63	-30.23	-30.83	-31.43	-32.03	-32.63	-33.23	-33.83	-34.43	-35.03	-35.63	-36.23	-36.83	-37.43	-38.03	-38.63	-39.23	-39.83	-40.43	-41.03	-41.63	-42.23	-42.83	-43.43	-44.03	-44.63	-45.23	-45.83	-46.43	-47.03	-47.63	-48.23	-48.83	-49.43	-50.03	-50.63	-51.23	-51.83	-52.43	-53.03	-53.63	-54.23	-54.83	-55.43	-56.03	-56.63	-57.23	-57.83	-58.43	-59.03	-59.63	-60.23	-60.83	-61.43	-62.03	-62.63	-63.23	-63.83	-64.43	-65.03	-65.63	-66.23	-66.83	-67.43	-68.03	-68.63	-69.23	-69.83	-70.43	-71.03	-71.63	-72.23	-72.83	-73.43	-74.03	-74.63	-75.23	-75.83	-76.43	-77.03	-77.63	-78.23	-78.83	-79.43	-80.03	-80.63	-81.23	-81.83	-82.43	-83.03	-83.63	-84.23	-84.83	-85.43	-86.03	-86.63	-87.23	-87.83	-88.43	-89.03	-89.63	-90.23	-90.83	-91.43	-92.03	-92.63	-93.23	-93.83	-94.43	-95.03	-95.63	-96.23	-96.83	-97.43	-98.03	-98.63	-99.23	-99.83	-100.43	-101.03	-101.63	-102.23	-102.83	-103.43	-104.03	-104.63	-105.23	-105.83	-106.43	-107.03	-107.63	-108.23	-108.83	-109.43	-110.03	-110.63	-111.23	-111.83	-112.43	-113.03	-113.63	-114.23	-114.83	-115.43	-116.03	-116.63	-117.23	-117.83	-118.43	-119.03	-119.63	-120.23	-120.83	-121.43	-122.03	-122.63	-123.23	-123.83	-124.43	-125.03	-125.63	-126.23	-126.83	-127.43	-128.03	-128.63	-129.23	-129.83	-130.43	-131.03	-131.63	-132.23	-132.83	-133.43	-134.03	-134.63	-135.23	-135.83	-136.43	-137.03	-137.63	-138.23	-138.83	-139.43	-140.03	-140.63	-141.23	-141.83	-142.43	-143.03	-143.63	-144.23	-144.83	-145.43	-146.03	-146.63	-147.23	-147.83	-148.43	-149.03	-149.63	-150.23	-150.83	-151.43	-152.03	-152.63	-153.23	-153.83	-154.43	-155.03	-155.63	-156.23	-156.83	-157.43	-158.03	-158.63	-159.23	-159.83	-160.43	-161.03	-161.63	-162.23	-162.83	-163.43	-164.03	-164.63	-165.23	-165.83	-166.43	-167.03	-167.63	-168.23	-168.83	-169.43	-170.03	-170.63	-171.23	-171.83	-172.43	-173.03	-173.63	-174.23	-174.83	-175.43	-176.03	-176.63	-177.23	-177.83	-178.43	-179.03	-179.63	-1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
5	-3.37	-4.73	-6.74	-9.04	-15.04	-22.14	-28.24	-31.44	-38.04	-45.64	-2.75	2.08	-1.82	-1.46	-1.46	-1.87	-2.68	-2.77	-3.92	-5.18	-7.39	-10.43	-14.46	-20.23	-26.7	-34.0	-41.1	-48.2	-42.1	-3.42	-2.82	-2.6	-2.35	-2.35	-2.46	-3.41	-3.93	-4.53	-5.13	-5.73	-6.33	-6.93	-7.53	-8.13	-8.73	-9.33	-9.93	-10.53	-11.13	-11.73	-12.33	-12.93	-13.53	-14.13	-14.73	-15.33	-15.93	-16.53	-17.13	-17.73	-18.33	-18.93	-19.53	-20.13	-20.73	-21.33	-21.93	-22.53	-23.13	-23.73	-24.33	-24.93	-25.53	-26.13	-26.73	-27.33	-27.93	-28.53	-29.13	-29.73	-30.33	-30.93	-31.53	-32.13	-32.73	-33.33	-33.93	-34.53	-35.13	-35.73	-36.33	-36.93	-37.53	-38.13	-38.73	-39.33	-39.93	-40.53	-41.13	-41.73	-42.33	-42.93	-43.53	-44.13	-44.73	-45.33	-45.93	-46.53	-47.13	-47.73	-48.33	-48.93	-49.53	-50.13	-50.73	-51.33	-51.93	-52.53	-53.13	-53.73	-54.33	-54.93	-55.53	-56.13	-56.73	-57.33	-57.93	-58.53	-59.13	-59.73	-60.33	-60.93	-61.53	-62.13	-62.73	-63.33	-63.93	-64.53	-65.13	-65.73	-66.33	-66.93	-67.53	-68.13	-68.73	-69.33	-69.93	-70.53	-71.13	-71.73	-72.33	-72.93	-73.53	-74.13	-74.73	-75.33	-75.93	-76.53	-77.13	-77.73	-78.33	-78.93	-79.53	-80.13	-80.73	-81.33	-81.93	-82.53	-83.13	-83.73	-84.33	-84.93	-85.53	-86.13	-86.73	-87.33	-87.93	-88.53	-89.13	-89.73	-90.33	-90.93	-91.53	-92.13	-92.73	-93.33	-93.93	-94.53	-95.13	-95.73	-96.33	-96.93	-97.53	-98.13	-98.73	-99.33	-99.93	-100.53	-101.13	-101.73	-102.33	-102.93	-103.53	-104.13	-104.73	-105.33	-105.93	-106.53	-107.13	-107.73	-108.33	-108.93	-109.53	-110.13	-110.73	-111.33	-111.93	-112.53	-113.13	-113.73	-114.33	-114.93	-115.53	-116.13	-116.73	-117.33	-117.93	-118.53	-119.13	-119.73	-120.33	-120.93	-121.53	-122.13	-122.73	-123.33	-123.93	-124.53	-125.13	-125.73	-126.33	-126.93	-127.53	-128.13	-128.73	-129.33	-129.93	-130.53	-131.13	-131.73	-132.33	-132.93	-133.53	-134.13	-134.73	-135.33	-135.93	-136.53	-137.13	-137.73	-138.33	-138.93	-139.53	-140.13	-140.73	-141.33	-141.93	-142.53	-143.13	-143.73	-144.33	-144.93	-145.53	-146.13	-146.73	-147.33	-147.93	-148.53	-149.13	-149.73	-150.33	-150.93	-151.53	-152.13	-152.73	-153.33	-153.93	-154.53	-155.13	-155.73	-156.33	-156.93	-157.53	-158.13	-158.73	-159.33	-159.93	-160.53	-161.13	-161.73	-162.33	-162.93	-163.53	-164.13	-164.73	-165.33	-165.93	-166.53	-167.13	-167.73	-168.33	-168.93	-169.53	-170.13	-170.73	-171.33	-171.93	-172.53	-173.13	-173.73	-174.33	-174.93	-175.53	-176.13	-176.73	-177.33	-177.93	-178.53	-179.13	-179.73	-180.33	-180.93	-181.53	-182.13	-182.73	-183.33	-183.93	-184.53	-185.13	-185.73	-186.33	-186.93	-187.53	-188.13	-188.73	-189.33	-189.93	-190.53	-191.13	-191.73	-192.33	-192.93	-193.53	-194.13	-194.73	-195.33	-195.93	-196.53	-197.13	-197.73	-198.33	-198.93	-199.53	-200.13	-200.73	-201.33	-201.93	-202.53	-203.13	-203.73	-204.33	-204.93	-205.53	-206.13	-206.73	-207.33	-207.93	-208.53	-209.13	-209.73	-210.33	-210.93	-211.53	-212.13	-212.73	-213.33	-213.93	-214.53	-215.13	-215.73	-216.33	-216.93	-217.53	-218.13	-218.73	-219.33	-219.93	-220.53	-221.13	-221.73	-222.33	-222.93	-223.53	-224.13	-224.73	-225.33	-225.93	-226.53	-227.13	-227.73	-228.33	-228.93	-229.53	-230.13	-230.73	-231.33	-231.93	-232.53	-233.13	-233.73	-234.33	-234.93	-235.53	-236.13	-236.73	-237.33	-237.93	-238.53	-239.13	-239.73	-240.33	-240.93	-241.53	-242.13	-242.73	-243.33	-243.93	-244.53	-245.13	-245.73	-246.33	-246.93	-247.53	-248.13	-248.73	-249.33	-249.93	-250.53	-251.13	-251.73	-252.33	-252.93	-253.53	-254.13	-254.73	-255.33	-255.93	-256.53	-257.13	-257.73	-258.33	-258.93	-259.53	-260.13	-260.73	-261.33	-261.93	-262.53	-263.13	-263.73	-264.33	-264.93	-265.53	-266.13	-266.73	-267.33	-267.93	-268.53	-269.13	-269.73	-270.33	-270.93	-271.53	-272.13	-272.73	-273.33	-273.93	-274.53	-275.13	-275.73	-276.33	-276.93	-277.53	-278.13	-278.73	-279.33	-279.93	-280.53	-281.13	-281.73	-282.33	-282.93	-283.53	-284.13	-284.73	-285.33	-285.93	-286.53	-287.13	-287.73	-288.33	-288.93	-289.53	-290.13	-290.73	-291.33	-291.93	-292.53	-293.13	-293.73	-294.33	-294.93	-295.53	-296.13	-296.73	-297.33	-297.93	-298.53	-299.13	-299.73	-300.33	-300.93	-301.53	-302.13	-302.73	-303.33	-303.93	-304.53	-305.13	-305.73	-306.33	-306.93	-307.53	-308.13	-308.73	-309.33	-309.93	-310.53	-311.13	-311.73	-312.33	-312.93	-313.53	-314.13	-314.73	-315.33	-315.93	-316.53	-317.13	-317.73	-318.33	-318.93	-319.53	-320.13	-320.73	-321.33	-321.93	-322.53	-323.13	-323.73	-324.33	-324.93	-325.53	-326.13	-326.73	-327.33	-327.93	-328.53	-329.13	-329.73	-330.33	-330.93	-331.53	-332.13	-332.73	-333.33	-333.93	-334.53	-335.13	-335.73	-336.33	-336.93	-337.53	-338.13	-338.73	-339.33	-339.93	-340.53	-341.13	-341.73	-342.33	-342.93	-343.53	-344.13	-344.73	-345.33	-345.93	-346.53	-347.13	-347.73	-348.33	-348.93	-349.53	-350.13	-350.73	-351.33	-351.93	-352.53	-353.13	-353.73	-354.33	-354.93	-355.53	-356.13	-356.73	-357.33	-357.93	-358.53	-359.13	-359.73	-360.33	-360.93	-361.53	-362.13	-362.73	-363.33	-363.93	-364.53	-365.13	-365.73	-366.33	-366.93	-367.53	-368.13	-368.73	-369.33	-369.93	-370.53	-371.13	-371.73	-372.33	-372.93	-373.53	-374.13	-374.73	-375.33	-375.93	-376.53	-377.13	-377.73	-378.33	-378.93	-379.53	-380.13	-380.73	-381.33	-381.93	-382.53	-383.13	-383.73	-384.33	-384.93	-385.53	-386.13	-386.73	-387.33	-387.93	-388.53	-389.13	-389.73	-390.33	-390.93	-391.53	-392.13	-392.73	-393.33	-393.93	-394.53	-395.13	-395.73	-396.33	-396.93	-397.53	-398.13	-398.73	-399.33	-399.93	-400.53	-401.13	-401.73	-402.33	-402.93	-403.53	-404.13	-404.73	-405.33	-405.93	-406.53	-407.13	-407.73	-408.33	-408.93	-409.53	-410.13	-410.73	-411.33	-411.93	-412.53	-413.13	-413.73	-414.33	-414.93	-415.53	-416.13	-416.73	-417.33	-417.93	-418.53	-419.13	-419.73	-420.33	-420.93	-421.53	-422.13	-422.73	-423.33	-423.93	-424.53	-425.13	-425.73	-426.33	-426.93	-427.53	-428.13	-428.73	-429.33	-429.93	-430.53	-431.13	-431.73	-432.33	-432.93	-433.53	-434.13	-434.73	-435.33	-435.93	-436.53	-437.13	-437.73	-438.33	-438.93	-439.53	-440.13	-440.73	-441.33	-441.93	-442.53	-443.13	-443.73	-444.33	-444.93	-445.53	-446.13	-446.73	-447.33	-447.93	-448.53	-449.13	-449.73	-450.33	-450.93	-451.53	-452.13	-452.73	-453.33	-453.93	-454.53	-455.13	-455.73	-456.33	-456.93	-457.53	-458.13	-458.73	-459.33	-459.93	-460.53	-461.

Theta (H) Theta (deg.) \ Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
0	-7.91	-8.13	-7.45	-6.09	-4.67	-3.32	-2.16	-1.37	-0.74	-0.36	-0.22	-0.28	-0.48	-0.92	-1.77	-3.06	-4.75	-6.95	-8.37	-7.95	-6.57	-5.02	-3.38	-2.53	-1.38	-0.66	-0.17	-0.02	-0.07	-0.27	-0.88	-1.68	-2.73	-3.95	-5.23	-6.57	-8.23
10	-9.87	-7.46	-5.95	-5.16	-4.63	-4.28	-3.81	-3.42	-3.23	-2.95	-2.59	-2.59	-2.6	-2.84	-3.57	-5.45	-8.67	-13.87	-16.62	-10.64	-6.3	-3.49	-1.64	-0.23	0.68	1.23	1.32	1.16	0.58	-0.42	-1.99	-4.3	-7.41	-11.99	-17.85	-13.38	-10.18
20	-9.66	-6.98	-5.66	-5.24	-5.7	-6.74	-6.66	-5.14	-4.37	-4.52	-4.74	-5.48	-7.05	-10.5	-17.45	-18.74	-9.96	-5.7	-2.87	-0.87	0.41	1.55	2.45	2.8	2.54	1.7	0.41	-0.99	-2.55	-4.42	-7.64	-13.73	-23.21	-15.35	-9.48		
30	-11.8	-9.91	-8.87	-7.8	-7.46	-8.43	-11.62	-9.57	-5.41	-4.05	-4.48	-5.95	-7.37	-9.38	-14.77	-18.21	-15.53	-12.46	-10.56	-10.42	-5.8	-2.53	0.09	2.02	3.11	3.16	2.34	1.37	1.05	1.02	0.29	-1.91	-5.78	-12.13	-21.93	-16.35	-11.62
40	-13.59	-11.56	-10.2	-11.48	-10.91	-8.2	-7.73	-17.41	-6.66	-2.95	-5.07	-11.85	-18.7	-24.8	-12.17	-9.71	-14.34	-23.12	-9.78	-5.08	-2.12	0.09	1.16	2.07	3.1	3.01	2.33	1.88	2.44	2.55	1.33	-1.95	-6.34	-12.8	-24.8	-16.88	-13.92
50	-12.9	-11.3	-7.68	-7.81	-11.51	-12.45	-8.09	-8.18	-10.99	-5.34	-9.13	-14.95	-10.73	-9.29	-6.88	-6.53	-10.67	-13.16	-7.66	-4.02	-1.62	0.08	1.38	2.05	3.09	4.07	2.33	2.79	3.45	2.25	-0.37	-3.13	-1.8	-6.68	-12.3	-6.55	-12.87
60	-13.77	-11.02	-9.28	-9.02	-11.23	-22.5	-12.7	-7.31	-7.37	-9.34	-11.06	-11.99	-14.2	-6.37	-1.84	-1.27	-7.33	-12.3	-4.98	-1.8	-0.12	1.3	1.41	1.55	2.91	2.86	1.05	2.37	2.82	0.72	-4.29	-4.16	-1.2	-1.2	-4.95	-11.71	-14.4
70	-8.98	-13.88	-18.12	-27.05	-17.3	-18.31	-12.74	-20.18	-6.74	-6.2	-7.93	-19.49	-8.99	-2.63	1.05	1.51	-5.09	-13.14	-3.3	0.3	0.95	2.01	2.13	1.91	2.41	0.87	-2.14	0.41	0.88	-1.53	-5.87	-4.71	-3	-5.16	-6.63	-6.55	-8.53
80	-9.02	-19.82	-7.73	-3.53	-8.05	-20.87	-16.23	-12.32	-7.74	-8.07	-9.06	-14.23	-8.82	-3.37	-0.42	1.3	-4.87	-12.87	-2.55	0.55	1.29	0.27	-1.89	-1.73	1.72	2.05	-1.24	-0.35	-2.59	-5.57	-8.09	-3.93	-5.77	-13.2	-8.37	-6.06	-8.79
90	-15.87	-11.6	-3.42	-0.92	-4.91	-15.45	-26.24	-12.55	-6.07	-5.14	-15.81	-4.92	-8.2	-3.8	0.59	0.29	-0.8	-12.59	-6.6	-2.2	-1.16	-2.82	-5.95	-4.77	0.91	1.19	-1.88	-0.05	-4.21	-8.28	-7.63	-4.17	-6.82	-23.84	-12.09	-9.3	-15.34
100	-9.35	-21.42	-5.77	-1.82	-6.77	-10.37	-11.6	-26.27	-6.13	-1.89	-3.89	-3	-5.42	-3.34	0.57	2.47	0.55	-6.87	-10.05	-4.73	-4.23	-4.48	-3.55	-1.34	0.62	0.3	-4.16	0.02	-6.1	-11.23	-11.34	-7.77	-6.84	-14.73	-12.5	-6.99	-9.2
110	-5.56	-6.45	-4.77	-3.8	-6.75	-12.57	-6.02	-7.16	-1.58	-6.3	-3.91	-4.82	-3.25	-1.24	-1.23	-4.99	-10.03	-12.84	-6.05	-4.32	-4.95	-5.22	-4.99	-3.16	-1.63	-4.25	-9.13	-7.03	-11.64	-9.53	-14.88	-9.38	-10.67	-19.53	-10.63	-6.24	-5.7
120	-7.03	-7.93	-5.45	-3.41	-5.88	-5.87	-4.53	-6.3	-2.66	-5.18	-2	-1	-4.25	-2.24	-0.66	-3.98	-15.14	-11.64	-4.84	-2.71	-2.52	-3.77	-10.53	-13.85	-7.97	-6.75	-11.62	-13.28	-15.64	-8.3	-9.55	-8.13	-9.93	-19.2	-10.38	-7.14	-7.03
130	-10.5	-12.48	-8.39	-5.05	-7.73	-11.67	-6.1	-6.89	-3.78	-0.78	-0.77	-0.34	-2.48	-0.62	0.02	-2.62	-9.23	-28.93	-10.02	-5.63	-4.34	-4.84	-8.68	-12.02	-16.59	-13.05	-12.59	-7.71	-9.37	-8.87	-10.77	-9.12	-6.12	-7.87	-11.34	-11.23	-10.52
140	-11.38	-11.85	-7.13	-4.82	-8.16	-12.68	-1.31	0.73	-0.3	-0.62	-3.48	-6.87	-2.73	0.23	0.84	-0.59	-3.87	-9.16	-14.75	-14.07	-11.25	-11.98	-15.13	-7.99	-6.96	-9.73	-9.31	-6.7	-11.05	-13.88	-19.37	-24.74	-17.4	-10.62	-8.64	-8.81	-11.45
150	-16.49	-16	-14.92	-15.17	-17.77	-13.48	-6.81	-2.52	-1.13	-2.45	-5.93	-9.23	-8.02	-4.48	-2.37	-2.16	-3.26	-4.64	-5.45	-5.91	-7.77	-11.34	-23.43	-14.62	-8.35	-7.77	-12.63	-21.3	-12.25	-11.09	-7.09	-4	-6.3	-8.48	-12.3	-16.52	
160	-11.59	-12.67	-14.98	-20.98	-12.27	-9.18	-4.68	-3.96	-3.98	-2.09	-0.87	-1.6	-4.16	-7.45	-10.84	-14.37	-15.23	-13.84	-14.3	-21.10	-22.03	-11.32	-7.88	-7.3	-8.34	-9.82	-9.91	-10.13	-10.51	-11.25	-15	-14.39	-10.2	-8.77	-9.25	-10.62	-11.27
170	-25.77	-24.95	-20.13	-15.87	-12.82	-10.41	-8.77	-8.38	-8.91	-10.8	-12.02	-11.73	-12.8	-15.34	-18.37	-20.95	-20.46	-19.41	-19.77	-23.84	-28.14	-19.14	-13.17	-10.16	-8.41	-7.41	-7.69	-8.52	-10.34	-11.4	-13.69	-14.17	-14.66	-15.67	-18.2	-21.87	-25.16
180	-24.23	-35.76	-21.98	-17.43	-13.84	-11.52	-9.31	-8.89	-5.52	-5.89	-6.12	-6.43	-5.67	-7.24	-8.31	-9.8	-11.73	-14.41	-16.62	-17.31	-16.34	-13.89	-11.55	-9.99	-9.12	-8.48	-8.12	-9.03	-10.52	-11.43	-11.27	-10.37	-10.53	-11.59	-13.66	-17.53	-24.2

Phi (V) Theta (deg.) Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	
0	-0.71	-0.7	-0.73	-6.88	-1.71	-2.52	-3.67	-5.34	-6.8	-7.78	-7.91	-6.92	-5.62	-4.08	-2.82	-1.78	-0.94	-0.49	-0.25	-0.12	-0.2	-0.68	-1.64	-2.33	-3.26	-4.93	-6.96	-8.88	-9.26	-8.08	-5.95	-4.26	-3.24	-2.39	-1.13	-0.88		
10	-2.93	-3.73	-4.73	-5.48	-5.92	-6.36	-7.12	-7.9	-8.42	-8.5	-8.08	-7.12	-6.04	-4.58	-3.08	-1.43	-0.1	0.68	1.19	1.41	1.24	0.65	-0.26	-1.31	-2.79	-5.08	-8.22	-11.5	-11.46	-7.9	-4.78	-3.21	-2.36	-2.06	-2.08	-2.39	-3.2	
20	-4.91	-5.85	-6.2	-5.81	-4.43	-3.55	-4.25	-6.75	-10.11	-11.02	-10.16	-10.23	-10.95	-7.19	-3.36	-1.13	0.07	0.66	1.01	1.22	1.03	0.66	0.14	-0.77	-2.55	-5.77	-10.41	-14.26	-10.74	-6.85	-4.32	-2.98	-2.36	-2.36	-3.04	-3.9	-4.72	
30	-13.6	-13.9	-11.02	-6.9	-3.65	-1.44	-0.99	-3.69	-11.57	-14.38	-13	-14.46	-11.97	-6.79	-4	-3.46	-3.21	-2.22	-1.31	-0.72	-0.44	-0.53	-0.72	-1.27	-3.23	-8.08	-16.93	-19.62	-10.9	-5.19	-3.48	-3.91	-5.78	-7.78	-9.89	-11.79	-13.63	
40	-6.78	-12.26	-29.5	-12.29	-8.61	-4.69	-1.17	-2.04	-10.31	-10.56	-9.52	-12.3	-9.41	-6.09	-5.56	-5.74	-4.53	-2.68	-1.47	-0.79	-1.07	-1.07	-2.3	-2.25	-2.87	-7.93	-20.76	-11.14	-6.63	-4.21	-4.91	-6.46	-6.49	-5.65	-4.81	-4.87	-6.64	
50	-0.66	-3.93	-10.24	-12.67	-13.33	-10.41	-4.61	-4.39	-9.76	-10.76	-6.2	-7.26	-6.82	-3.23	-1.3	-1.25	-2	-1.47	-1.03	-1.07	-1.57	-2.54	-3.44	-3.59	-3.91	-7.78	-14.49	-12.97	7.33	-4.9	-6.07	-6.17	-4.69	-2.96	-0.12	0.33	-0.43	
60	-0.99	-4.24	-7.75	-7.76	-8.76	-21.33	-6.06	-2.12	-3.83	-9.91	-10.18	-4.63	-2.1	0.13	0.26	-1.39	-3.14	-2.84	-1.49	-1	-1.33	-1.44	-2.39	-3.8	-5.01	-8.96	-14.62	-12.49	-18.62	-7.88	-7.02	-6.39	-3.26	-0.21	0.81	0.46	-1.01	
70	-3.77	-6.53	-7.84	-5.49	-5.81	-10.86	-7.69	-1.43	-3.01	-8.57	-8.22	-1.03	-1.18	-0.28	0.12	-2.27	-3.45	-0.94	1.48	2.42	1.99	0.65	-1.07	-4.6	-8.39	-10.42	-13.49	-16.23	-11.87	-12.77	-11.72	-12.38	-4.64	-1	-6.75	-1.72	-3.25	
80	-11.19	-17.39	-9.04	-5.23	-5.96	-6.76	-6.99	-2.46	-3.21	-10.96	-8.75	-2.14	-3.44	-2.49	0.65	0.95	0.14	0.51	1.7	1.31	1.66	-0.43	-4.79	-8.73	-14.36	-15.75	-11.9	-10.78	-7.76	-25.29	-13.86	-11.47	-5.98	-3.06	-3.87	-6.5	-11.14	
90	-7.07	-13	-11.95	-6.92	-8.45	-7.33	-12.56	-9.07	-3.52	-6.19	-8.93	-3.82	-4.93	-4.48	-0.3	0.79	-0.52	-1.37	-0.32	0.56	-0.18	-2.43	-4.85	-6.21	-12.08	-14.43	-11.88	-10.42	-12.5	-37.07	-8.2	-5.4	-6.93	-8.66	-7.46	-6.18	-6.89	
100	-6.3	-10.07	-16.16	-11.44	-8.11	-6.87	-10.81	-11.1	-2.92	-1.18	-11.53	-6.74	-2.1	-2.95	-3.51	-2.65	-2.73	-1.47	0.66	1.85	1.64	0.08	-3.85	-8.42	-14.46	-15.38	-9.26	-2.37	-12.82	-22.57	-9.57	-6.45	-11.81	-11.54	-7	-5.5	-6.34	
110	-5.95	-9.91	-18.46	-15.64	-9.12	-7.38	-11.78	-8.76	-3.45	-3.75	-8.78	-4.63	-3.38	-3.2	-3.88	-1.96	0.36	1.53	2.06	1.97	0.54	-2.84	-7.92	-10.01	-10.09	-11.3	-6.99	-1.6	-9.17	-17.47	-4.76	-5.14	-6.78	-11.02	-7.78	-5.3	-6.03	
120	-2.2	-4.72	-10.11	-12.91	-12.01	-11.91	-16.08	-11.97	-5.67	-5.75	-10.56	-7.94	-3.71	-3.22	-5	-2.67	0.58	2.17	2.08	0.69	-2.5	-7.38	-8.65	-12.65	-13.17	-10.16	-12.21	-6.55	-11.35	-10.24	-4.73	-2.21	-7.32	-22.73	-8.43	-3.41	-2.13	
130	0.1	-1.66	-5.92	-12.38	-9.81	-11.06	-31.34	-17.64	-6.72	-7.82	-10.47	-9.15	-3.83	-4.48	-6.44	-3.73	-1.41	-0.8	-1.76	-4.47	-8.54	-9.17	-11.38	-19.19	-11.09	-10.08	-11.27	-6.56	-18.15	-6.64	-2.63	-1.3	-7.92	-10.01	-1.95	0.2	0.12	
140	-6.18	-1.42	-4.33	-9.36	-17.81	-33.98	-20.48	-26.22	-15.64	-11.19	-8.14	-9.74	-5.72	-2.63	-2.	-2.7	-2.07	-2.37	-3.4	-5.39	-7.11	-7.01	-6.4	-7.04	-11	-13.16	-14.65	-15.97	-6.66	-3.99	-2.25	-4.4	-16.7	-6.63	-1.61	-0.27		
150	-3.86	-4.83	-8.87	-15.25	-10.96	-11.08	-27.69	-12.33	-12.68	-10.12	-8.42	-6.84	-9	-17.25	-13.71	-6.32	-2.4	-1.83	-2.48	-3.99	-5.2	-7.7	-12.21	-31.55	-11.18	-11.28	-43.57	-40.48	-7.04	-8.66	-26.95	-10.2	-2.75	-11.55	-47.65	-10.11	-5.42	-4.4
160	-2.16	-4.09	-7.16	-10.93	-10.03	-11.01	-27.69	-12.33	-12.68	-10.12	-8.42	-6.84	-9	-17.25	-13.71	-6.32	-2.4	-1.83	-2.48	-3.99	-5.2	-7.7	-12.21	-31.55	-11.18	-11.28	-43.57	-40.48	-7.04	-8.66	-26.95	-10.2	-2.75	-11.55	-47.65	-10.11	-5.42	-4.4
170	-15.75	-20.98	-20.71	-15.86	-12.09	-10.83	-11.53	-14.49	-15.06	-12.45	-12.2	-13.08	-14.10	-15.16	-14.71	-13.18	-11.83	-10.61	-9.75	-9.21	-9.42	-10.11	-11.11	-11.69	-13.04	-15.78	-17.55	-15.43	-12.03	-9.82	-9.53	-10.99	-10.88	-11.37	-12.74	-15.61		
180	-9.64	-6.94	-9.04	-8.66	-8.6	-9.33	-10.83	-14.34	-16.64	-18.13	-17.33	-15.67	-13.26	-11.14	-10.29	-9.12	-8.36	-7.96	-7.8	-7.81	-8.1	-8.34	-8.4	-8.69	-9.47	-9.65	-10.05	-11.45	-14.72	-17.2	-20.35	-20.44	-16.6	-13.46	-11.36	-9.83	-9.51	

Theta (H)	Theta (deg.)																																				
Phi (deg.)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
0	-11.77	-11.28	-11.55	-11.85	-12.84	-13.84	-14.92	-16.23	-18.18	-21.17	-21.8	-20.03	-17.27	-15.13	-13.64	-12.64	-11.64	-10.73	-10.27	-9.88	-10.37	-11.21	-12.05	-12.48	-13.59	-15.7	-17.81	-18.84	-18.82	-17.41	-16.18	-15.05	-13.7	-12.55	-11.96	-11.71	-11.35
10	-10.99	-10.12	-15.35	-13.66	-13.55	-13.87	-15.3	-17.56	-21.1	-23.98	-18.52	-13.52	-9.93	-7.23	-5.37	-4.43	-4.09	-4.23	-4.49	-4.82	-5.74	-7.02	-8.52	-9.96	-11.18	-12.8	-14.63	-16.43	-15.89	-13.8	-12.07	-11.53	-11.8	-12.45	-13.75	-16.75	-20.27
20	-16.42	-19.1	-15.09	-12.49	-12.09	-14.18	-20.68	-23.49	-17.39	-13.77	-10.39	-7.64	-5.46	-3.13	-1.82	-1.13	-1.05	-1.39	-2.12	-3.13	-4.33	-6.52	-9.17	-12.17	-16.49	-24.12	-30.96	-24.31	-16.41	-11.49	-8.39	-6.67	-6.03	-6.52	-8.38	-11.6	-16.1
30	-4.68	-8.34	-8.31	-9.77	-10.88	-13.28	-16.28	-14.02	-10.32	-8.36	-6.95	-4.7	-2.25	-0.16	1.23	1.52	1.12	0.41	-0.39	-1.39	-2.85	-5.42	-10	-17.68	-14.02	-11.48	-14.31	-20.24	-17.23	-10.63	-6.98	-5.24	-5.55	-7.09	-9.09	-10.21	-6.03
40	-11.71	-10.37	-7.81	-7.16	-8.66	-11.98	-13.99	-9.53	-6.2	-4.77	-3.66	-2.18	-0.45	1.37	2.73	2.98	2.08	0.62	-0.17	-0.2	-0.96	-3.37	-7.59	-8.3	-5.59	-4.59	-5.52	-9.03	-13.13	-12.33	-6.98	-6.3	-7.11	-7.95	-8.88	-10.17	-11.1
50	-7.5	-9.2	-7.02	-5.03	-5.52	-9.1	-12.93	-10.77	-5.25	-2.63	-1.2	-0.41	0.64	0.48	3.03	3.9	2.29	-1.13	-1.5	0.62	1.25	0.23	-3.56	-5.34	-3.66	-2.78	-4.81	-7.03	-6.84	-9.34	-10.05	-9.38	-7.12	-5.25	-4.34	-5.23	-7.45
60	-13.98	-10.85	-6.82	-4.05	-4.77	-4.71	-7.43	-14.48	-6.09	-2.13	0.93	0.64	-2.31	-1.17	2.01	3.95	2.22	-1.52	-3.89	0.07	1.41	0.12	-2.13	-3.35	-3.98	-3.68	-5.39	-4.35	-3.23	-7.11	-18.23	-14.87	-9.16	-6.55	-7.12	-10.2	-14.12
70	-18.23	-14.14	-10.68	-11.18	-13.52	-13.87	-5.17	-4.95	-6.71	-1.34	1.61	0.95	-1.52	-5.3	1.82	3.7	3.55	-1.48	-7.14	-7.2	0.04	0.25	-6.03	-1.49	-2.67	-2.38	-2.09	-4.09	-2.33	-6.55	-1.53	-16.04	-13.8	-13.1	-11.1	-12.84	-17.45
80	-9.81	-12.87	-23.62	-13.85	-10.38	-25.16	-6.8	-4.09	-2.27	-0.42	2.63	2.95	1.41	-6.2	-2.85	2.83	3.12	-0.23	-12.02	-2.57	0.32	0.44	-0.14	-1.8	-4.8	-3.84	-1.68	-0.34	-1.53	-3.45	-9.2	-7.64	-10.59	-16.3	-9.34	-8.2	-9.73
90	-9.85	-9.67	-13.49	-14.96	-7.77	-12.66	-7.64	-3.18	-0.84	-1.41	1.7	2.77	1.26	-4.78	-11.83	0.93	3.13	-0.52	-10.92	-9.88	-4.7	2.99	-2.63	-6.68	-7.59	-3.23	-3.07	-2.59	-2.91	-2.55	-6.43	-4.67	-6.77	-14.12	-12.48	-10.21	-9.98
100	-13.98	-8.63	-8.34	-7.52	-6.27	-9.06	-2.63	-3.12	-1.84	-1.73	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	
110	-12.7	-6.59	-5.3	-5.41	-5.02	-4.45	-1.87	-4.27	-4.18	-1.91	-2.16	-3.37	-1.84	-3.62	-12.03	-9.23	-4.03	-10.78	-18.27	3.94	-2.85	-3.58	-7.24	-2.84	-3.53	-4.03	-4.21	-3.95	-4.19	-7.11	-10.13	-5.77	-6.5	-6.43	-11.87	-10.16	-12.35
120	-12.08	-6.52	-5.8	-11.82	-7.34	-2.82	-2.5	-2.37	-5.55	-3.98	-2.3	-2.27	-2.72	-7.89	-12.75	-16.73	-16.55	-10.89	-1.12	-10.55	-7.25	-5.59	-4.77	-3.85	-6.96	-8.98	-6.3	-3.96	-3.25	-6.43	-7.34	-7.08	-9.68	-10.14	-9.42	-12.99	-12.3
130	-19.43	-8.66	-6.16	-10.16	-7.5	-2.59	-2.14	-1.45	-3.84	-11.81	-4.27	-3.48	-3.75	-7.06	-17.64	-13.37	-16.84	-14.23	-10.53	-10.06	-11.68	-12.12	-9.23	-6.77	-7.6	-9.39	-10.27	-6.57	-6.24	-7.17	-6.74	-7.88	-8.73	-6.81	-5.8	-9.16	-19.53
140	-14.77	-13.64	-9.23	-9.73	-15.32	-5.8	-1.55	-1.66	-5.27	-10.59	-10.52	-6.43	-3.35	-3.66	-8.12	-16.84	-23.87	-18.75	-16.95	-19.59	-19.88	-13.43	-10.68	-9.45	-14.27	-16.88	-11.23	-15.92	-11.66	-10.1	-11.16	-14.38	-12.48	-8.17	-6.99	-9.09	-14.7
150	-13.76	-13.69	-12.46	-13.42	-11.18	-8.05	-7.7	-8.28	-8.34	-10.89	-12.59	-8.52	-5.48	-4.45	-4.11	-4.57	-5.26	-6.43	-7.55	-9.27	-12.2	-18.68	-40.68	-24.53	-23.67	-26.13	-18	-14.46	-8.14	-7.96	-9.98	-11.57	-10.7	-10.28	-11.54	-14.67	-18.03
160	-11.27	-9.65	-10.45	-13.98	-17.57	-13.99	-12.23	-15.07	-18.62	-8.85	-5.84	-5.41	-6.09	-7.75	-10.57	-11.08	-9.68	-7.11	-6.57	-7.05	-8.64	-11.92	-18.64	-33.51	-25.7	-21.07	-19.98	-19.48	-17.62	-15.45	-14.05	-13.52	-13.5	-19.74	-15.53	-14.24	-11.32
170	-10.64	-10.74	-13.31	-15.99	-24.48	-26.7	-16.28	-15.41	-17.17	-16.25	-13.88	-12.34	-13.91	-15.92	-18.25	-21.4	-20.73	-18.13	-16.12	-14.62	-14.02	-15.38	-19.34	-26.1	-23.35	-17.34	-16.78	-17.43	-20.75	-25.88	-29.01	-28.69	-26.62	-19.3	-15.04	-12.1	-10.77
180	-23.66	-21.01	-20.41	-19.34	-17.31	-16.45	-16.39	-16.16	-15.73	-17.17	-19	-20.17	-21.87	-25.3	-27.07	-26.73	-27.49	-30.09	-36.37	-30.34	-25.31	-23.63	-23.91	-24.57	-24.49	-23.84	-24.02	-20.3	-16.18	-14.45	-14.59	-15.7	-17.45	-18.98	-20.83	-25.71	-23.45



Theta (°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
Phi (deg.)	0	-21.35	-22.66	-21.02	-16.98	-14.79	-13.28	-12.34	-11.85	-11.08	-10.87	-10.19	-10.18	-11.1	-12.47	-13.4	-15.33	-18.13	-20.68	-19.98	-18.67	-16.18	-13.17	-12.05	-11.84	-11.3	-11	-10.39	-11.23	-11.97	-12.53	-13.08	-12.93	-15.71	-17.83	-19.03	-19.03
10	-14.02	-15.45	-13.43	-14.57	-12.58	-10.87	-9.44	-8.19	-6.88	-6.13	-5.57	-5.37	-5.52	-6.76	-8.13	-10.19	-13.16	-17.63	-21.09	-18.36	-15.51	-13.44	-11.57	-9.79	-8.95	-8.55	-8.29	-8.66	-9.47	-10.72	-12.07	-17.03	-26.35	-28.27	-19.54	-16.26	-15
20	-10.41	-9.75	-10.16	-9.95	-8.29	-6.51	-5.1	-4.12	-3.23	-2.33	-2	-2.17	-3.49	-4.78	-7.11	-10.54	-14.62	-13.81	-9.88	-7.48	-6.28	-5.57	-5.27	-5.54	-6.63	-7.85	-7.93	-7.25	-6.86	-7.36	-8.99	-11.5	-15.34	-17.78	-15.41	-12.35	-10.38
30	-12.19	-8.46	-5.42	-3.42	-2.17	-1.56	-1.47	-2.05	-2.46	-1.81	-1.17	-1.39	-2.23	-3.59	-5.68	-7.77	-9.07	-8.05	-5.69	-3.89	-2.98	-2.8	-3.13	-3.89	-5.08	-6.19	-4.96	-4.32	-4.73	-5.8	-6.88	-8.46	-11.93	-16.18	-17.92	-15.8	-12.36
40	-18.05	-20.61	-9.04	-3.8	-1.15	0.17	0.33	0.48	-0.17	-0.43	-0.33	-0.39	-0.64	-0.64	-0.1	-0.54	-0.25	-1.04	-0.31	-1.02	-2.08	-3.22	-3.46	-3.17	-3.92	-5.77	-3.82	-4.63	-7.67	-11.77	-17.94	-19.88	-15.8	-12.86	-11.96		
50	-9.17	-12.88	-10.25	-4.08	-1.11	-0.1	0.23	0.38	-0.25	-0.6	-0.42	-0.42	-0.57	-1.09	-1.24	-1.13	-0.36	-7.06	-5.11	-2.42	-0.31	0.58	0.09	-0.76	-1.75	-3.33	-2.85	-2.66	-2.98	-2.35	-3.8	-7.51	-12.98	-25.26	-12.78	-8.84	-9.11
60	-4.85	-7.6	-9.32	-3.43	-0.09	0.49	-0.49	-1.08	-1.11	-0.93	-2.51	-5.36	-5.57	-1.83	-0.94	-4.28	-10.38	-14.58	-9.77	-4.71	-1.16	0.9	1.09	-0.43	-2.51	-4.11	-3.38	-3.33	-2.91	-2.33	-4.24	-8.82	-17.11	-14.13	-7.21	-4.67	-4.67
70	-2.69	-4.13	-6.02	-2.22	0.87	2.3	2.19	0.72	-0.44	0.48	-0.48	-3.07	-5.37	-7.04	-5.25	-6.54	-11.35	-14.92	-9.25	-4.71	-1.67	0	0.32	-1.82	-5.9	-6.95	-5.47	-6.46	-6.61	-6.56	-8.23	-11.14	-12.69	-9.65	-6.23	-3.48	-2.74
80	-2.47	-2.82	-3.64	-1.33	0.33	2.3	2.23	3.66	1.79	0.07	-0.25	-1.42	-3.35	-6.98	-6.14	-8.52	-17.1	-19.44	-10.66	-5.52	-2.81	-0.98	-2.05	-6.09	-12.19	-7.56	-4.68	-10.41	-10.72	-10.71	-11.72	-9.92	-8.29	-7.22	-5.83	-3.72	-2.49
90	-5.72	-3.69	-1.49	0.13	0.63	2.33	4.03	3.91	1.84	0.63	0.29	-0.76	-2.6	-5.09	-7.09	-9.02	-9.62	-11	-12.29	-9.26	-8.64	-11.22	-11.8	-12.8	-12.8	-12.8	-12.8	-12.8	-12.8	-12.8	-12.8	-12.8	-12.8	-12.8	-12.8	-12.8	-12.8
100	-8.88	-5.95	-2.41	0.1	1.35	2.63	3.01	3.32	1.2	-0.57	-0.67	-1.08	-2.73	-2.86	-4.51	-10.48	-9.45	-10.17	-17.16	-18.36	-11.78	-8.56	-7.03	-7.11	-8.16	-8.64	-7.84	-5.85	-7.83	-15.07	-14.11	-8.8	-9.06	-13.44	-15.73	-10.7	-4.9
110	-9.7	-8.39	-5.56	-2.07	1.25	2.9	3.33	3.49	0.57	-2.97	-3.07	-1.48	-2.15	-4.99	-6.93	-12.44	-18.47	-16.77	-25.33	-18.46	-11.4	-6.83	-4.15	-4.57	-7.02	-9.47	-5.67	-7.19	-15.39	-21.12	-9.05	-6.23	-9.93	-14.12	-12.5	-10.34	-9
120	-18.95	-12.78	-7.9	-4.04	-0.96	0.62	1.33	1.73	-0.45	-2.67	-2.68	-2.54	-3.64	-5.69	-8.11	-12.14	-18.19	-17.39	-25.19	-13.79	-10.2	-7.5	-7.34	-8.99	-12.78	-10.36	-7.29	-6.03	-28.51	-15.77	-10.88	-6.99	-8.17	-11.85	-16.41	-21.73	-19.88
130	-12.96	-12.42	-6.79	-3.27	-2.51	-0.89	0.22	-1.39	-2.43	-2.93	-4.05	-5.98	-8.4	-9.77	-16.77	-19.16	-25.91	-9.18	-6.08	-4.3	-4.04	-6.53	-15.38	-18.61	-18.31	-9.2	-8.41	-20.24	-6.51	-6.81	-8.43	-10.47	-20.59	-13.43	-12.84	-12.84	
140	-11.02	-14.21	-18.61	-13.31	-7.88	-4.55	-3.64	-4.39	-3.79	-5.14	-8.52	-12.48	-10.23	-6.92	-6.5	-9.01	-14.01	-7.69	-5.21	-4.93	-7.12	-11.19	-16.08	-22.02	-12.54	-8.09	-10.86	-19.99	-7.13	-5.2	-6.47	-11.08	-17.12	-13.47	-10.77	-10.86	
150	-6.88	-7.9	-18.36	-19.23	-12.82	-8.67	-5.57	-4.88	-3.99	-11.43	-10.02	-7.49	-5.57	-4.28	-5.38	-7.28	-9.62	-10.52	-10.59	-12.08	-14.08	-13.58	-13.61	-14.77	-14.24	-14.35	-14.3	-13.2	-8.36	-9.58	-11.04	-11.61	-8.2	-6.58	-6.87	-6.87	
160	-1.46	-1.45	-12.56	-17.57	-11.64	-7.37	-5.1	-4.84	-3.7	-11.46	-10.37	-7.4	-5.57	-4.28	-5.38	-7.28	-9.62	-10.52	-10.59	-12.08	-14.08	-13.58	-13.61	-14.77	-14.24	-14.35	-14.3	-13.2	-8.36	-9.58	-11.04	-11.61	-8.2	-6.58	-6.87	-6.87	
170	-23.08	-22.82	-14.5	-10.6	-8.88	-6.95	-7.98	-8.01	-8.17	-8.9	-11.09	-13.35	-13.35	-14.63	-16.03	-15.63	-16.03	-13.59	-12.44	-12.27	-12.27	-13.86	-12.66	-13.78	-15.73	-17.63	-31.55	-31.34	-21.99	-17.94	-15.66	-14.37	-13.87	-14.13	-16.26	-20.48	
180	-19.24	-18.1	-22.56	-17.75	-17.81	-19.03	-21.5	-27.11	-49.97	-29.78	-23.17	-18.88	-17.07	-16.62	-17.05	-19.5	-24.99	-20.75	-34.98	-32.42	-46.71	-48.13	-44.02	-31.51	-25.89	-21.44	-18.81	-16.73	-16.88	-19.23	-22.54	-24.67	-24.33	-20.8	-20.47	-20.48	-19.25

Φ_i (°)	Θ_i (deg.) \ Φ_i (deg.)																																								
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300										
0	-0.019	-0.011	-0.136	-0.156	-0.437	-0.954	-22.82	-21.05	-0.798	-16.47	-13.47	-11.47	-9.47	-7.80	-7.1	-7.24	-7.53	-7.88	-8.62	-9.34	-11.00	-13.36	-16.74	-20.43	-25.90	-26.60	-20.41	-17.28	-13.36	-11.38	-10.47	-9.35	-8.51	-8.2	-8.3	-8.93	-9.79				
10	-13.98	-12.00	-0.018	-0.018	-0.018	-0.137	-0.137	-0.137	-0.137	-0.437	-0.954	-22.82	-21.05	-0.798	-16.47	-13.47	-11.47	-9.47	-7.80	-7.1	-7.24	-7.53	-7.88	-8.62	-9.34	-11.00	-13.36	-16.74	-20.43	-25.90	-26.60	-20.41	-17.28	-13.36	-11.38	-10.47	-9.35	-8.51	-8.2	-8.3	-8.93
20	-13.98	-12.00	-0.018	-0.018	-0.018	-0.137	-0.137	-0.137	-0.137	-0.437	-0.954	-22.82	-21.05	-0.798	-16.47	-13.47	-11.47	-9.47	-7.80	-7.1	-7.24	-7.53	-7.88	-8.62	-9.34	-11.00	-13.36	-16.74	-20.43	-25.90	-26.60	-20.41	-17.28	-13.36	-11.38	-10.47	-9.35	-8.51	-8.2	-8.3	-8.93
30	-6.55	-6.06	-5.89	-6	-5.902	-7.007	-10.006	-14.22	-17.000	-15.002	-7.63	-6.18	-6.1	-6.79	-6.43	-6.31	-7.00	-13.14	-15.9	-17.11	-20.97	0.071	0.51	0.76	0.06	-0.37	-4.29	-8.90	-30.84	-14.79	-11.53	-17.14	-14.66	-15.38	-11.08	-8.47	-6.54				
40	-2.5	-4.001	-4.84	-4.31	-2.71	-2.54	-4.27	-6.35	-12.58	-0.408	-2.13	2.54	-4.09	-7.54	-6.39	-6.32	-9.70	-10.05	-14.03	-8.48	-5.62	-3.41	-1.71	-1.12	-1.30	-0.40	-0.3	-0.005	-0.76	-7	-0.64	-12.07	-8.39	-3.72	-8.17	-1.62	-2.65				
50	0	4.553	-1.66	-3.42	-2.231	-2.36	-4.85	-9.49	-4.25	-0.408	-0.92	4.33	-0.63	-5.56	-14.03	-10.71	-13.15	-21.61	-14.11	-8.40	-5.06	-2.02	-2.14	-2.47	4.36	-9.39	-7.45	-5.55	-6.09	-7.79	-7.56	-5.13	-0.61	1.37	1.01	0.35					
60	1.08	0.08	0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08		
70	0.66	0.7	-0.553	-0.67	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7		
80	-2.14	-3.85	-7.28	-7.43	-8.5	-21.55	-7.00	-0.02	-0.02	-7.00	-15.54	-10.07	-15.88	-0.00	-3.48	-7.98	-4.83	-4.1	-11.38	-6.67	-8.8	-4.27	-0.40	-0.38	0.4	-0.38	0.38	-1.12	-1.62	-4.43	-0.18	-1.74	-0.48	-0.14	-0.04	-0.14	-0.14	-0.14	-0.14	-0.14	
90	-3.33	-6.17	-7.59	-4.7	-4.83	-0.05	-14.90	-38.55	-12.28	-28.59	-33.1	-16.4	-7.71	-10.91	-0.46	-3.34	-4.7	-17.16	-8.84	-5.44	-0.80	-0.99	-1.06	2.1	2.1	2.2	1.24	0.13	-0.08	1.39	1.7	1.78	0.03	-0.63	-0.63	-0.63	-0.63	-0.63	-0.63		
100	-6	-8.4	-8.49	-5.5	-7.47	-14.19	-12.15	-11.65	-15.26	-14.04	-10.25	-14.88	-25.47	-17.00	-9.38	-3.72	-6.51	-17.15	-10.14	-8.58	-14.12	-12.14	-9.25	1.66	2.28	2.54	2.25	0.67	1.57	2.05	1.86	2.28	-1.81	-6.46	-7.86	-6.63	-6.27				
110	-10.955	-11.24	-7.81	-4.66	-3.231	-2.551	-0.66	-9.58	-11.72	-8.75	-11.27	-11.53	-23.58	-13.93	-17.23	-11.13	-6.41	-6.66	-6.63	-5.65	-7.59	-6.37	-6.26	-8.38	-11.88	-10.99	1.2	2.56	2.59	1.73	1.14	-3.18	-9.57	-11.41	-12.24	-10.49	-10.49	-10.49	-10.49	-10.49	-10.49
120	-12.2	-11.1	-6.73	-8.29	-10.71	-10.93	-10.93	-11.25	-9.71	-10.59	-13.88	-7.77	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	-11.58	
130	-13.94	-13.96	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	
140	-12.02	-15.94	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	-17.24	
150	-13.37	-28.35	-12.61	-8.55	-9.33	-10.33	-8.89	-5.45	-6.4	-3.51	-2.27	-3.51	-6.69	-6.38	-4.69	-7.33	-20.84	-19.49	-4.15	-2.25	-2.27	4.27	7.15	6.73	4.73	-2.64	-0.45	0.73	-0.87	-2.88	-13.07	-23.74	-14.27	-12.02	-12.4	-12.78	-15.28	-15.28	-15.28		
160	-13.66	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	-13.67	
170	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	-13.58	
180	-10.11	-9.12	-8.66	-8	-8.09	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93	-7.93		

[illegible]