

Theta [deg.]	Phi [deg.]	Abs(Grlz)[dB]	Abs(Theta)[dB]	Phase(Theta)
[deg.]	Abs(Phi) [dB]	Phase(Phi) [deg.]	Ax.Ratio [dB]	
0.000	90.000	1.583e+01	-7.541e+00	
288.364	1.581e+01	352.705	2.426e+01	
1.000	90.000	1.579e+01	-7.691e+00	
292.160	1.577e+01	352.679	2.468e+01	
2.000	90.000	1.571e+01	-7.839e+00	
296.079	1.569e+01	352.661	2.512e+01	
3.000	90.000	1.560e+01	-7.984e+00	
300.112	1.558e+01	352.652	2.558e+01	
4.000	90.000	1.544e+01	-8.121e+00	
304.246	1.542e+01	352.651	2.608e+01	
5.000	90.000	1.524e+01	-8.251e+00	
308.465	1.523e+01	352.658	2.663e+01	
6.000	90.000	1.500e+01	-8.370e+00	
312.753	1.498e+01	352.674	2.723e+01	
7.000	90.000	1.472e+01	-8.477e+00	
317.090	1.470e+01	352.698	2.790e+01	
8.000	90.000	1.439e+01	-8.572e+00	
321.457	1.437e+01	352.731	2.867e+01	
9.000	90.000	1.402e+01	-8.654e+00	
325.832	1.399e+01	352.772	2.956e+01	
10.000	90.000	1.359e+01	-8.723e+00	
330.194	1.356e+01	352.823	3.063e+01	
11.000	90.000	1.311e+01	-8.781e+00	
334.525	1.308e+01	352.884	3.195e+01	
12.000	90.000	1.257e+01	-8.827e+00	
338.804	1.254e+01	352.956	3.366e+01	
13.000	90.000	1.198e+01	-8.863e+00	
343.018	1.194e+01	353.041	3.606e+01	
14.000	90.000	1.132e+01	-8.891e+00	
347.150	1.127e+01	353.139	3.988e+01	
15.000	90.000	1.058e+01	-8.912e+00	
351.191	1.053e+01	353.253	4.000e+01	
16.000	90.000	9.759e+00	-8.929e+00	
355.130	9.700e+00	353.387	4.000e+01	
17.000	90.000	8.846e+00	-8.944e+00	
358.962	8.773e+00	353.546	3.836e+01	
18.000	90.000	7.824e+00	-8.957e+00	
2.682	7.732e+00	353.736	3.303e+01	
19.000	90.000	6.673e+00	-8.971e+00	
6.287	6.553e+00	353.969	2.917e+01	
20.000	90.000	5.365e+00	-8.988e+00	
9.775	5.202e+00	354.262	2.595e+01	
21.000	90.000	3.861e+00	-9.008e+00	
13.148	3.631e+00	354.648	2.303e+01	
22.000	90.000	2.105e+00	-9.033e+00	
16.405	1.757e+00	355.183	2.023e+01	
23.000	90.000	1.625e-02	-9.065e+00	
19.549	-5.565e-01	355.993	1.747e+01	
24.000	90.000	-2.514e+00	-9.103e+00	
22.582	-3.589e+00	357.391	1.480e+01	
25.000	90.000	-5.544e+00	-9.150e+00	
25.507	-8.030e+00	0.484	1.316e+01	
26.000	90.000	-8.472e+00	-9.205e+00	
28.326	-1.656e+01	13.511	2.059e+01	
27.000	90.000	-8.813e+00	-9.269e+00	
31.042	-1.883e+01	146.074	1.060e+01	
28.000	90.000	-6.429e+00	-9.342e+00	
33.658	-9.538e+00	164.201	6.738e+00	
29.000	90.000	-3.860e+00	-9.425e+00	
36.178	-5.272e+00	167.772	8.305e+00	

30.000	90.000	-1.783e+00	-9.519e+00
38.603	-2.585e+00	169.311	1.014e+01
31.000	90.000	-1.517e-01	-9.622e+00
40.937	-6.723e-01	170.184	1.163e+01
32.000	90.000	1.145e+00	-9.736e+00
43.182	7.753e-01	170.760	1.283e+01
33.000	90.000	2.191e+00	-9.859e+00
45.340	1.911e+00	171.176	1.380e+01
34.000	90.000	3.043e+00	-9.993e+00
47.415	2.822e+00	171.496	1.460e+01
35.000	90.000	3.743e+00	-1.014e+01
49.409	3.561e+00	171.755	1.527e+01
36.000	90.000	4.319e+00	-1.029e+01
51.322	4.166e+00	171.971	1.585e+01
37.000	90.000	4.792e+00	-1.045e+01
53.159	4.661e+00	172.157	1.634e+01
38.000	90.000	5.180e+00	-1.063e+01
54.920	5.064e+00	172.320	1.678e+01
39.000	90.000	5.493e+00	-1.081e+01
56.608	5.390e+00	172.463	1.716e+01
40.000	90.000	5.743e+00	-1.100e+01
58.224	5.650e+00	172.593	1.749e+01
41.000	90.000	5.936e+00	-1.120e+01
59.771	5.851e+00	172.710	1.779e+01
42.000	90.000	6.080e+00	-1.141e+01
61.250	6.002e+00	172.816	1.806e+01
43.000	90.000	6.180e+00	-1.162e+01
62.662	6.107e+00	172.913	1.830e+01
44.000	90.000	6.240e+00	-1.184e+01
64.011	6.172e+00	172.999	1.852e+01
45.000	90.000	6.265e+00	-1.207e+01
65.296	6.201e+00	173.077	1.871e+01
46.000	90.000	6.258e+00	-1.231e+01
66.521	6.197e+00	173.146	1.889e+01
47.000	90.000	6.221e+00	-1.255e+01
67.686	6.163e+00	173.205	1.904e+01
48.000	90.000	6.159e+00	-1.279e+01
68.795	6.103e+00	173.255	1.918e+01
49.000	90.000	6.072e+00	-1.304e+01
69.847	6.018e+00	173.294	1.931e+01
50.000	90.000	5.963e+00	-1.330e+01
70.846	5.911e+00	173.323	1.942e+01
51.000	90.000	5.833e+00	-1.356e+01
71.793	5.783e+00	173.340	1.952e+01
52.000	90.000	5.686e+00	-1.381e+01
72.689	5.637e+00	173.342	1.961e+01
53.000	90.000	5.521e+00	-1.408e+01
73.538	5.473e+00	173.333	1.968e+01
54.000	90.000	5.341e+00	-1.434e+01
74.341	5.294e+00	173.309	1.974e+01
55.000	90.000	5.147e+00	-1.460e+01
75.100	5.100e+00	173.270	1.979e+01
56.000	90.000	4.939e+00	-1.486e+01
75.818	4.893e+00	173.212	1.983e+01
57.000	90.000	4.720e+00	-1.512e+01
76.495	4.674e+00	173.136	1.986e+01
58.000	90.000	4.489e+00	-1.538e+01
77.136	4.444e+00	173.039	1.987e+01
59.000	90.000	4.249e+00	-1.564e+01
77.741	4.204e+00	172.920	1.988e+01
60.000	90.000	3.999e+00	-1.589e+01
78.313	3.954e+00	172.776	1.987e+01
61.000	90.000	3.741e+00	-1.614e+01
78.855	3.696e+00	172.607	1.986e+01

62.000	90.000	3.475e+00	-1.639e+01
79.369	3.430e+00	172.410	1.983e+01
63.000	90.000	3.203e+00	-1.663e+01
79.857	3.157e+00	172.183	1.979e+01
64.000	90.000	2.924e+00	-1.687e+01
80.322	2.878e+00	171.923	1.975e+01
65.000	90.000	2.639e+00	-1.710e+01
80.765	2.593e+00	171.630	1.969e+01
66.000	90.000	2.349e+00	-1.732e+01
81.189	2.302e+00	171.299	1.962e+01
67.000	90.000	2.055e+00	-1.754e+01
81.596	2.007e+00	170.929	1.954e+01
68.000	90.000	1.756e+00	-1.775e+01
81.988	1.707e+00	170.518	1.946e+01
69.000	90.000	1.454e+00	-1.795e+01
82.367	1.404e+00	170.062	1.936e+01
70.000	90.000	1.149e+00	-1.815e+01
82.733	1.097e+00	169.558	1.926e+01
71.000	90.000	8.406e-01	-1.834e+01
83.091	7.879e-01	169.006	1.915e+01
72.000	90.000	5.302e-01	-1.852e+01
83.441	4.759e-01	168.402	1.903e+01
73.000	90.000	2.178e-01	-1.870e+01
83.785	1.617e-01	167.743	1.891e+01
74.000	90.000	-9.627e-02	-1.887e+01
84.124	-1.542e-01	167.026	1.879e+01
75.000	90.000	-4.116e-01	-1.904e+01
84.458	-4.716e-01	166.248	1.866e+01
76.000	90.000	-7.279e-01	-1.920e+01
84.789	-7.901e-01	165.406	1.853e+01
77.000	90.000	-1.045e+00	-1.935e+01
85.119	-1.109e+00	164.498	1.840e+01
78.000	90.000	-1.362e+00	-1.950e+01
85.447	-1.429e+00	163.520	1.826e+01
79.000	90.000	-1.679e+00	-1.964e+01
85.775	-1.749e+00	162.469	1.814e+01
80.000	90.000	-1.996e+00	-1.978e+01
86.104	-2.069e+00	161.343	1.802e+01
81.000	90.000	-2.313e+00	-1.992e+01
86.433	-2.389e+00	160.138	1.790e+01
82.000	90.000	-2.628e+00	-2.005e+01
86.765	-2.708e+00	158.851	1.779e+01
83.000	90.000	-2.943e+00	-2.019e+01
87.099	-3.026e+00	157.479	1.770e+01
84.000	90.000	-3.256e+00	-2.032e+01
87.436	-3.343e+00	156.019	1.762e+01
85.000	90.000	-3.568e+00	-2.045e+01
87.777	-3.658e+00	154.467	1.756e+01
86.000	90.000	-3.877e+00	-2.058e+01
88.123	-3.971e+00	152.822	1.752e+01
87.000	90.000	-4.185e+00	-2.071e+01
88.474	-4.283e+00	151.079	1.750e+01
88.000	90.000	-4.490e+00	-2.084e+01
88.831	-4.591e+00	149.236	1.751e+01
89.000	90.000	-4.791e+00	-2.097e+01
89.195	-4.897e+00	147.290	1.756e+01
90.000	90.000	-5.090e+00	-2.111e+01
89.567	-5.200e+00	145.238	1.764e+01
91.000	90.000	-5.384e+00	-2.125e+01
89.949	-5.498e+00	143.078	1.777e+01
92.000	90.000	-5.674e+00	-2.139e+01
90.342	-5.792e+00	140.807	1.795e+01
93.000	90.000	-5.960e+00	-2.154e+01
90.746	-6.081e+00	138.423	1.819e+01

94.000	90.000	-6.239e+00	-2.169e+01
91.165	-6.365e+00	135.925	1.851e+01
95.000	90.000	-6.513e+00	-2.186e+01
91.600	-6.642e+00	133.311	1.890e+01
96.000	90.000	-6.780e+00	-2.202e+01
92.053	-6.912e+00	130.581	1.939e+01
97.000	90.000	-7.039e+00	-2.220e+01
92.527	-7.174e+00	127.735	1.999e+01
98.000	90.000	-7.290e+00	-2.239e+01
93.024	-7.427e+00	124.775	2.074e+01
99.000	90.000	-7.532e+00	-2.258e+01
93.548	-7.670e+00	121.701	2.165e+01
100.000	90.000	-7.763e+00	-2.279e+01
94.103	-7.902e+00	118.519	2.279e+01
101.000	90.000	-7.984e+00	-2.300e+01
94.693	-8.123e+00	115.231	2.422e+01
102.000	90.000	-8.193e+00	-2.323e+01
95.322	-8.331e+00	111.844	2.608e+01
103.000	90.000	-8.389e+00	-2.348e+01
95.998	-8.526e+00	108.364	2.860e+01
104.000	90.000	-8.572e+00	-2.374e+01
96.726	-8.706e+00	104.801	3.234e+01
105.000	90.000	-8.741e+00	-2.401e+01
97.515	-8.872e+00	101.164	3.933e+01
106.000	90.000	-8.896e+00	-2.430e+01
98.373	-9.023e+00	97.463	4.000e+01
107.000	90.000	-9.037e+00	-2.461e+01
99.310	-9.159e+00	93.710	3.591e+01
108.000	90.000	-9.163e+00	-2.494e+01
100.340	-9.279e+00	89.917	3.074e+01
109.000	90.000	-9.275e+00	-2.529e+01
101.477	-9.385e+00	86.097	2.763e+01
110.000	90.000	-9.374e+00	-2.566e+01
102.738	-9.477e+00	82.262	2.548e+01
111.000	90.000	-9.459e+00	-2.605e+01
104.142	-9.555e+00	78.427	2.390e+01
112.000	90.000	-9.533e+00	-2.646e+01
105.714	-9.622e+00	74.599	2.270e+01
113.000	90.000	-9.596e+00	-2.689e+01
107.481	-9.678e+00	70.790	2.180e+01
114.000	90.000	-9.651e+00	-2.735e+01
109.477	-9.725e+00	67.008	2.112e+01
115.000	90.000	-9.698e+00	-2.783e+01
111.737	-9.765e+00	63.263	2.064e+01
116.000	90.000	-9.740e+00	-2.833e+01
114.307	-9.800e+00	59.559	2.033e+01
117.000	90.000	-9.777e+00	-2.885e+01
117.231	-9.831e+00	55.902	2.018e+01
118.000	90.000	-9.813e+00	-2.937e+01
120.562	-9.861e+00	52.293	2.017e+01
119.000	90.000	-9.848e+00	-2.990e+01
124.349	-9.891e+00	48.735	2.029e+01
120.000	90.000	-9.885e+00	-3.041e+01
128.634	-9.923e+00	45.226	2.055e+01
121.000	90.000	-9.925e+00	-3.090e+01
133.443	-9.960e+00	41.764	2.094e+01
122.000	90.000	-9.970e+00	-3.133e+01
138.768	-1.000e+01	38.348	2.148e+01
123.000	90.000	-1.002e+01	-3.170e+01
144.558	-1.005e+01	34.972	2.218e+01
124.000	90.000	-1.008e+01	-3.198e+01
150.705	-1.011e+01	31.631	2.305e+01
125.000	90.000	-1.015e+01	-3.215e+01
157.046	-1.018e+01	28.316	2.415e+01

126.000	90.000	-1.023e+01	-3.221e+01
163.382	-1.026e+01	25.021	2.554e+01
127.000	90.000	-1.032e+01	-3.217e+01
169.507	-1.035e+01	21.735	2.732e+01
128.000	90.000	-1.042e+01	-3.203e+01
175.245	-1.045e+01	18.450	2.972e+01
129.000	90.000	-1.054e+01	-3.183e+01
180.469	-1.057e+01	15.156	3.324e+01
130.000	90.000	-1.067e+01	-3.158e+01
185.109	-1.070e+01	11.838	3.957e+01
131.000	90.000	-1.081e+01	-3.130e+01
189.143	-1.085e+01	8.484	4.000e+01
132.000	90.000	-1.096e+01	-3.103e+01
192.585	-1.101e+01	5.081	3.779e+01
133.000	90.000	-1.113e+01	-3.077e+01
195.469	-1.118e+01	1.616	3.209e+01
134.000	90.000	-1.131e+01	-3.053e+01
197.835	-1.136e+01	358.076	2.868e+01
135.000	90.000	-1.150e+01	-3.033e+01
199.726	-1.155e+01	354.446	2.626e+01
136.000	90.000	-1.169e+01	-3.017e+01
201.183	-1.175e+01	350.715	2.441e+01
137.000	90.000	-1.189e+01	-3.006e+01
202.235	-1.196e+01	346.873	2.294e+01
138.000	90.000	-1.209e+01	-3.000e+01
202.907	-1.216e+01	342.912	2.176e+01
139.000	90.000	-1.229e+01	-2.999e+01
203.215	-1.237e+01	338.828	2.081e+01
140.000	90.000	-1.249e+01	-3.005e+01
203.162	-1.257e+01	334.623	2.006e+01
141.000	90.000	-1.268e+01	-3.017e+01
202.745	-1.275e+01	330.305	1.949e+01
142.000	90.000	-1.285e+01	-3.034e+01
201.949	-1.293e+01	325.890	1.909e+01
143.000	90.000	-1.301e+01	-3.059e+01
200.742	-1.309e+01	321.399	1.885e+01
144.000	90.000	-1.315e+01	-3.090e+01
199.081	-1.322e+01	316.863	1.878e+01
145.000	90.000	-1.326e+01	-3.128e+01
196.903	-1.333e+01	312.319	1.885e+01
146.000	90.000	-1.336e+01	-3.172e+01
194.127	-1.342e+01	307.809	1.908e+01
147.000	90.000	-1.343e+01	-3.221e+01
190.646	-1.348e+01	303.374	1.945e+01
148.000	90.000	-1.348e+01	-3.276e+01
186.335	-1.353e+01	299.060	1.995e+01
149.000	90.000	-1.351e+01	-3.332e+01
181.057	-1.355e+01	294.905	2.056e+01
150.000	90.000	-1.352e+01	-3.388e+01
174.689	-1.356e+01	290.945	2.128e+01
151.000	90.000	-1.353e+01	-3.438e+01
167.176	-1.357e+01	287.207	2.208e+01
152.000	90.000	-1.354e+01	-3.476e+01
158.609	-1.357e+01	283.714	2.295e+01
153.000	90.000	-1.354e+01	-3.495e+01
149.288	-1.357e+01	280.479	2.387e+01
154.000	90.000	-1.356e+01	-3.493e+01
139.713	-1.359e+01	277.513	2.483e+01
155.000	90.000	-1.359e+01	-3.470e+01
130.456	-1.362e+01	274.820	2.582e+01
156.000	90.000	-1.364e+01	-3.430e+01
121.985	-1.367e+01	272.403	2.682e+01
157.000	90.000	-1.371e+01	-3.380e+01
114.554	-1.375e+01	270.260	2.784e+01

158.000	90.000	-1.381e+01	-3.326e+01
108.213	-1.386e+01	268.391	2.889e+01
159.000	90.000	-1.394e+01	-3.273e+01
102.886	-1.400e+01	266.795	2.998e+01
160.000	90.000	-1.411e+01	-3.223e+01
98.438	-1.417e+01	265.474	3.117e+01
161.000	90.000	-1.431e+01	-3.180e+01
94.725	-1.439e+01	264.428	3.252e+01
162.000	90.000	-1.455e+01	-3.145e+01
91.616	-1.464e+01	263.668	3.417e+01
163.000	90.000	-1.484e+01	-3.118e+01
89.000	-1.494e+01	263.192	3.634e+01
164.000	90.000	-1.516e+01	-3.101e+01
86.785	-1.528e+01	263.015	3.960e+01
165.000	90.000	-1.553e+01	-3.093e+01
84.897	-1.565e+01	263.151	4.000e+01
166.000	90.000	-1.593e+01	-3.096e+01
83.275	-1.607e+01	263.615	4.000e+01
167.000	90.000	-1.637e+01	-3.110e+01
81.868	-1.652e+01	264.422	4.000e+01
168.000	90.000	-1.685e+01	-3.136e+01
80.631	-1.700e+01	265.589	3.594e+01
169.000	90.000	-1.735e+01	-3.176e+01
79.522	-1.751e+01	267.124	3.213e+01
170.000	90.000	-1.786e+01	-3.230e+01
78.501	-1.802e+01	269.030	2.935e+01
171.000	90.000	-1.839e+01	-3.303e+01
77.519	-1.854e+01	271.289	2.724e+01
172.000	90.000	-1.890e+01	-3.397e+01
76.509	-1.904e+01	273.873	2.568e+01
173.000	90.000	-1.939e+01	-3.518e+01
75.368	-1.951e+01	276.693	2.466e+01
174.000	90.000	-1.984e+01	-3.678e+01
73.908	-1.993e+01	279.654	2.423e+01
175.000	90.000	-2.024e+01	-3.893e+01
71.712	-2.030e+01	282.617	2.451e+01
176.000	90.000	-2.057e+01	-4.203e+01
67.607	-2.060e+01	285.423	2.572e+01
177.000	90.000	-2.082e+01	-4.705e+01
56.614	-2.083e+01	287.903	2.839e+01
178.000	90.000	-2.098e+01	-5.463e+01
358.009	-2.099e+01	289.904	3.429e+01
179.000	90.000	-2.107e+01	-4.763e+01
287.885	-2.108e+01	291.301	4.000e+01
180.000	90.000	-2.108e+01	-4.199e+01
275.293	-2.112e+01	292.008	3.176e+01
-179.000	90.000	-2.101e+01	-3.848e+01
271.216	-2.109e+01	291.994	2.652e+01
-178.000	90.000	-2.088e+01	-3.597e+01
269.492	-2.101e+01	291.263	2.381e+01
-177.000	90.000	-2.067e+01	-3.406e+01
268.773	-2.087e+01	289.871	2.242e+01
-176.000	90.000	-2.039e+01	-3.253e+01
268.603	-2.067e+01	287.917	2.196e+01
-175.000	90.000	-2.006e+01	-3.127e+01
268.790	-2.040e+01	285.533	2.232e+01
-174.000	90.000	-1.967e+01	-3.023e+01
269.238	-2.007e+01	282.874	2.348e+01
-173.000	90.000	-1.924e+01	-2.936e+01
269.900	-1.968e+01	280.099	2.558e+01
-172.000	90.000	-1.877e+01	-2.864e+01
270.746	-1.924e+01	277.355	2.911e+01
-171.000	90.000	-1.828e+01	-2.803e+01
271.766	-1.876e+01	274.755	3.589e+01

-170.000	90.000	-1.778e+01	-2.752e+01
272.950	-1.826e+01	272.411	4.000e+01
-169.000	90.000	-1.728e+01	-2.711e+01
274.301	-1.776e+01	270.371	3.358e+01
-168.000	90.000	-1.679e+01	-2.678e+01
275.822	-1.725e+01	268.668	2.853e+01
-167.000	90.000	-1.632e+01	-2.652e+01
277.520	-1.676e+01	267.316	2.564e+01
-166.000	90.000	-1.588e+01	-2.633e+01
279.404	-1.630e+01	266.312	2.372e+01
-165.000	90.000	-1.548e+01	-2.620e+01
281.487	-1.586e+01	265.648	2.234e+01
-164.000	90.000	-1.510e+01	-2.613e+01
283.781	-1.546e+01	265.309	2.130e+01
-163.000	90.000	-1.477e+01	-2.610e+01
286.301	-1.510e+01	265.281	2.050e+01
-162.000	90.000	-1.447e+01	-2.612e+01
289.061	-1.477e+01	265.551	1.986e+01
-161.000	90.000	-1.421e+01	-2.618e+01
292.077	-1.449e+01	266.101	1.933e+01
-160.000	90.000	-1.398e+01	-2.627e+01
295.358	-1.425e+01	266.931	1.889e+01
-159.000	90.000	-1.380e+01	-2.639e+01
298.912	-1.404e+01	268.031	1.851e+01
-158.000	90.000	-1.365e+01	-2.652e+01
302.742	-1.388e+01	269.394	1.817e+01
-157.000	90.000	-1.353e+01	-2.665e+01
306.841	-1.374e+01	271.020	1.786e+01
-156.000	90.000	-1.344e+01	-2.679e+01
311.189	-1.364e+01	272.907	1.757e+01
-155.000	90.000	-1.337e+01	-2.692e+01
315.756	-1.357e+01	275.055	1.729e+01
-154.000	90.000	-1.333e+01	-2.702e+01
320.498	-1.352e+01	277.465	1.703e+01
-153.000	90.000	-1.331e+01	-2.711e+01
325.357	-1.349e+01	280.136	1.679e+01
-152.000	90.000	-1.330e+01	-2.717e+01
330.268	-1.348e+01	283.068	1.656e+01
-151.000	90.000	-1.330e+01	-2.720e+01
335.160	-1.348e+01	286.254	1.635e+01
-150.000	90.000	-1.330e+01	-2.721e+01
339.962	-1.348e+01	289.687	1.617e+01
-149.000	90.000	-1.330e+01	-2.720e+01
344.613	-1.348e+01	293.353	1.602e+01
-148.000	90.000	-1.329e+01	-2.716e+01
349.059	-1.347e+01	297.233	1.593e+01
-147.000	90.000	-1.328e+01	-2.713e+01
353.261	-1.346e+01	301.303	1.589e+01
-146.000	90.000	-1.324e+01	-2.709e+01
357.192	-1.343e+01	305.533	1.592e+01
-145.000	90.000	-1.320e+01	-2.706e+01
0.837	-1.338e+01	309.887	1.603e+01
-144.000	90.000	-1.313e+01	-2.704e+01
4.192	-1.331e+01	314.328	1.622e+01
-143.000	90.000	-1.304e+01	-2.705e+01
7.258	-1.321e+01	318.816	1.652e+01
-142.000	90.000	-1.293e+01	-2.709e+01
10.041	-1.310e+01	323.316	1.691e+01
-141.000	90.000	-1.280e+01	-2.716e+01
12.548	-1.297e+01	327.792	1.741e+01
-140.000	90.000	-1.266e+01	-2.728e+01
14.789	-1.282e+01	332.216	1.803e+01
-139.000	90.000	-1.251e+01	-2.744e+01
16.771	-1.265e+01	336.567	1.876e+01

-138.000	90.000	-1.234e+01	-2.765e+01
18.497	-1.247e+01	340.827	1.962e+01
-137.000	90.000	-1.217e+01	-2.791e+01
19.967	-1.229e+01	344.988	2.061e+01
-136.000	90.000	-1.200e+01	-2.824e+01
21.176	-1.210e+01	349.046	2.177e+01
-135.000	90.000	-1.183e+01	-2.863e+01
22.109	-1.192e+01	353.002	2.311e+01
-134.000	90.000	-1.165e+01	-2.909e+01
22.743	-1.173e+01	356.861	2.469e+01
-133.000	90.000	-1.149e+01	-2.964e+01
23.040	-1.155e+01	0.632	2.658e+01
-132.000	90.000	-1.133e+01	-3.028e+01
22.939	-1.138e+01	4.324	2.891e+01
-131.000	90.000	-1.117e+01	-3.102e+01
22.352	-1.122e+01	7.948	3.197e+01
-130.000	90.000	-1.103e+01	-3.187e+01
21.140	-1.107e+01	11.517	3.641e+01
-129.000	90.000	-1.090e+01	-3.286e+01
19.091	-1.092e+01	15.042	4.000e+01
-128.000	90.000	-1.077e+01	-3.399e+01
15.869	-1.079e+01	18.532	4.000e+01
-127.000	90.000	-1.066e+01	-3.526e+01
10.946	-1.067e+01	22.004	3.896e+01
-126.000	90.000	-1.055e+01	-3.665e+01
3.504	-1.056e+01	25.465	3.465e+01
-125.000	90.000	-1.046e+01	-3.803e+01
352.451	-1.046e+01	28.925	3.209e+01
-124.000	90.000	-1.037e+01	-3.907e+01
337.024	-1.037e+01	32.391	3.040e+01
-123.000	90.000	-1.028e+01	-3.932e+01
318.519	-1.029e+01	35.872	2.924e+01
-122.000	90.000	-1.021e+01	-3.859e+01
300.848	-1.022e+01	39.374	2.847e+01
-121.000	90.000	-1.014e+01	-3.725e+01
287.073	-1.015e+01	42.901	2.802e+01
-120.000	90.000	-1.007e+01	-3.573e+01
277.405	-1.008e+01	46.459	2.786e+01
-119.000	90.000	-1.000e+01	-3.427e+01
270.799	-1.002e+01	50.049	2.797e+01
-118.000	90.000	-9.939e+00	-3.293e+01
266.251	-9.961e+00	53.671	2.838e+01
-117.000	90.000	-9.872e+00	-3.174e+01
263.067	-9.900e+00	57.326	2.913e+01
-116.000	90.000	-9.803e+00	-3.067e+01
260.802	-9.839e+00	61.012	3.030e+01
-115.000	90.000	-9.729e+00	-2.972e+01
259.174	-9.773e+00	64.726	3.209e+01
-114.000	90.000	-9.651e+00	-2.888e+01
257.998	-9.703e+00	68.463	3.489e+01
-113.000	90.000	-9.565e+00	-2.812e+01
257.151	-9.626e+00	72.218	3.992e+01
-112.000	90.000	-9.471e+00	-2.743e+01
256.549	-9.541e+00	75.982	4.000e+01
-111.000	90.000	-9.368e+00	-2.681e+01
256.132	-9.447e+00	79.749	4.000e+01
-110.000	90.000	-9.256e+00	-2.625e+01
255.854	-9.343e+00	83.507	3.459e+01
-109.000	90.000	-9.132e+00	-2.574e+01
255.689	-9.228e+00	87.250	3.066e+01
-108.000	90.000	-8.997e+00	-2.527e+01
255.610	-9.101e+00	90.965	2.791e+01
-107.000	90.000	-8.851e+00	-2.485e+01
255.599	-8.961e+00	94.644	2.582e+01

-106.000	90.000	-8.693e+00	-2.447e+01
255.642	-8.810e+00	98.275	2.415e+01
-105.000	90.000	-8.524e+00	-2.412e+01
255.728	-8.645e+00	101.849	2.279e+01
-104.000	90.000	-8.343e+00	-2.380e+01
255.847	-8.469e+00	105.356	2.167e+01
-103.000	90.000	-8.152e+00	-2.350e+01
255.994	-8.280e+00	108.789	2.073e+01
-102.000	90.000	-7.949e+00	-2.324e+01
256.161	-8.080e+00	112.139	1.995e+01
-101.000	90.000	-7.737e+00	-2.300e+01
256.345	-7.869e+00	115.400	1.930e+01
-100.000	90.000	-7.516e+00	-2.278e+01
256.542	-7.647e+00	118.567	1.877e+01
-99.000	90.000	-7.286e+00	-2.258e+01
256.749	-7.416e+00	121.636	1.833e+01
-98.000	90.000	-7.048e+00	-2.241e+01
256.963	-7.176e+00	124.602	1.798e+01
-97.000	90.000	-6.802e+00	-2.225e+01
257.183	-6.928e+00	127.463	1.770e+01
-96.000	90.000	-6.549e+00	-2.211e+01
257.405	-6.672e+00	130.218	1.750e+01
-95.000	90.000	-6.291e+00	-2.198e+01
257.630	-6.409e+00	132.866	1.736e+01
-94.000	90.000	-6.026e+00	-2.188e+01
257.855	-6.140e+00	135.406	1.728e+01
-93.000	90.000	-5.756e+00	-2.178e+01
258.079	-5.866e+00	137.839	1.724e+01
-92.000	90.000	-5.482e+00	-2.170e+01
258.303	-5.587e+00	140.165	1.726e+01
-91.000	90.000	-5.203e+00	-2.164e+01
258.524	-5.303e+00	142.386	1.731e+01
-90.000	90.000	-4.921e+00	-2.159e+01
258.742	-5.015e+00	144.504	1.741e+01
-89.000	90.000	-4.635e+00	-2.155e+01
258.957	-4.724e+00	146.520	1.754e+01
-88.000	90.000	-4.345e+00	-2.152e+01
259.168	-4.429e+00	148.436	1.770e+01
-87.000	90.000	-4.054e+00	-2.151e+01
259.373	-4.132e+00	150.255	1.789e+01
-86.000	90.000	-3.759e+00	-2.151e+01
259.573	-3.833e+00	151.978	1.811e+01
-85.000	90.000	-3.463e+00	-2.152e+01
259.766	-3.531e+00	153.609	1.835e+01
-84.000	90.000	-3.164e+00	-2.154e+01
259.951	-3.228e+00	155.150	1.861e+01
-83.000	90.000	-2.864e+00	-2.157e+01
260.126	-2.923e+00	156.603	1.890e+01
-82.000	90.000	-2.563e+00	-2.161e+01
260.291	-2.617e+00	157.971	1.920e+01
-81.000	90.000	-2.261e+00	-2.166e+01
260.443	-2.311e+00	159.257	1.952e+01
-80.000	90.000	-1.957e+00	-2.172e+01
260.579	-2.003e+00	160.463	1.986e+01
-79.000	90.000	-1.654e+00	-2.180e+01
260.698	-1.696e+00	161.593	2.021e+01
-78.000	90.000	-1.350e+00	-2.188e+01
260.794	-1.388e+00	162.648	2.058e+01
-77.000	90.000	-1.046e+00	-2.197e+01
260.865	-1.081e+00	163.631	2.096e+01
-76.000	90.000	-7.424e-01	-2.207e+01
260.906	-7.745e-01	164.546	2.135e+01
-75.000	90.000	-4.396e-01	-2.217e+01
260.910	-4.688e-01	165.394	2.175e+01

-74.000	90.000	-1.379e-01	-2.229e+01
260.871	-1.644e-01	166.179	2.215e+01
-73.000	90.000	1.624e-01	-2.241e+01
260.781	1.384e-01	166.903	2.257e+01
-72.000	90.000	4.610e-01	-2.254e+01
260.630	4.392e-01	167.569	2.299e+01
-71.000	90.000	7.574e-01	-2.268e+01
260.409	7.377e-01	168.179	2.342e+01
-70.000	90.000	1.051e+00	-2.281e+01
260.105	1.033e+00	168.736	2.385e+01
-69.000	90.000	1.342e+00	-2.296e+01
259.702	1.326e+00	169.246	2.428e+01
-68.000	90.000	1.630e+00	-2.310e+01
259.190	1.615e+00	169.705	2.472e+01
-67.000	90.000	1.913e+00	-2.324e+01
258.552	1.900e+00	170.119	2.515e+01
-66.000	90.000	2.193e+00	-2.338e+01
257.770	2.181e+00	170.490	2.557e+01
-65.000	90.000	2.467e+00	-2.352e+01
256.827	2.456e+00	170.820	2.599e+01
-64.000	90.000	2.735e+00	-2.364e+01
255.707	2.725e+00	171.111	2.640e+01
-63.000	90.000	2.998e+00	-2.374e+01
254.394	2.989e+00	171.367	2.680e+01
-62.000	90.000	3.254e+00	-2.383e+01
252.878	3.245e+00	171.588	2.718e+01
-61.000	90.000	3.502e+00	-2.389e+01
251.152	3.494e+00	171.777	2.753e+01
-60.000	90.000	3.742e+00	-2.391e+01
249.218	3.735e+00	171.936	2.786e+01
-59.000	90.000	3.974e+00	-2.389e+01
247.087	3.966e+00	172.066	2.816e+01
-58.000	90.000	4.195e+00	-2.383e+01
244.782	4.188e+00	172.170	2.842e+01
-57.000	90.000	4.405e+00	-2.371e+01
242.337	4.399e+00	172.249	2.864e+01
-56.000	90.000	4.604e+00	-2.353e+01
239.799	4.597e+00	172.305	2.881e+01
-55.000	90.000	4.790e+00	-2.328e+01
237.221	4.783e+00	172.338	2.893e+01
-54.000	90.000	4.962e+00	-2.298e+01
234.663	4.955e+00	172.351	2.899e+01
-53.000	90.000	5.118e+00	-2.261e+01
232.183	5.111e+00	172.344	2.899e+01
-52.000	90.000	5.258e+00	-2.219e+01
229.836	5.250e+00	172.318	2.892e+01
-51.000	90.000	5.379e+00	-2.171e+01
227.664	5.371e+00	172.278	2.878e+01
-50.000	90.000	5.480e+00	-2.119e+01
225.704	5.471e+00	172.217	2.857e+01
-49.000	90.000	5.560e+00	-2.064e+01
223.974	5.549e+00	172.141	2.828e+01
-48.000	90.000	5.615e+00	-2.005e+01
222.486	5.603e+00	172.047	2.793e+01
-47.000	90.000	5.644e+00	-1.945e+01
221.240	5.630e+00	171.937	2.750e+01
-46.000	90.000	5.643e+00	-1.883e+01
220.229	5.628e+00	171.810	2.700e+01
-45.000	90.000	5.611e+00	-1.821e+01
219.442	5.593e+00	171.665	2.643e+01
-44.000	90.000	5.542e+00	-1.758e+01
218.864	5.521e+00	171.501	2.579e+01
-43.000	90.000	5.434e+00	-1.695e+01
218.479	5.409e+00	171.316	2.508e+01

-42.000	90.000	5.281e+00	-1.633e+01
218.271	5.251e+00	171.107	2.431e+01
-41.000	90.000	5.077e+00	-1.572e+01
218.223	5.041e+00	170.871	2.346e+01
-40.000	90.000	4.817e+00	-1.512e+01
218.319	4.773e+00	170.601	2.255e+01
-39.000	90.000	4.491e+00	-1.453e+01
218.547	4.436e+00	170.291	2.156e+01
-38.000	90.000	4.089e+00	-1.396e+01
218.894	4.020e+00	169.932	2.049e+01
-37.000	90.000	3.598e+00	-1.341e+01
219.346	3.511e+00	169.505	1.933e+01
-36.000	90.000	3.001e+00	-1.287e+01
219.894	2.887e+00	168.989	1.805e+01
-35.000	90.000	2.276e+00	-1.235e+01
220.531	2.124e+00	168.347	1.664e+01
-34.000	90.000	1.393e+00	-1.185e+01
221.247	1.182e+00	167.519	1.506e+01
-33.000	90.000	3.091e-01	-1.137e+01
222.039	3.412e-03	166.402	1.325e+01
-32.000	90.000	-1.033e+00	-1.091e+01
222.899	-1.504e+00	164.791	1.112e+01
-31.000	90.000	-2.708e+00	-1.047e+01
223.824	-3.504e+00	162.239	8.534e+00
-30.000	90.000	-4.787e+00	-1.005e+01
224.811	-6.320e+00	157.531	5.217e+00
-29.000	90.000	-7.134e+00	-9.659e+00
225.857	-1.069e+01	146.062	1.869e+00
-28.000	90.000	-8.608e+00	-9.287e+00
226.960	-1.700e+01	99.949	1.024e+01
-27.000	90.000	-7.369e+00	-8.936e+00
228.121	-1.256e+01	28.586	1.606e+01
-26.000	90.000	-4.583e+00	-8.609e+00
229.336	-6.771e+00	10.554	9.316e+00
-25.000	90.000	-1.872e+00	-8.304e+00
230.606	-2.992e+00	4.284	9.429e+00
-24.000	90.000	4.339e-01	-8.022e+00
231.933	-2.348e-01	1.154	1.062e+01
-23.000	90.000	2.376e+00	-7.763e+00
233.317	1.934e+00	359.274	1.187e+01
-22.000	90.000	4.034e+00	-7.527e+00
234.759	3.720e+00	358.011	1.300e+01
-21.000	90.000	5.471e+00	-7.314e+00
236.262	5.236e+00	357.098	1.401e+01
-20.000	90.000	6.732e+00	-7.124e+00
237.827	6.549e+00	356.403	1.489e+01
-19.000	90.000	7.849e+00	-6.957e+00
239.457	7.703e+00	355.853	1.568e+01
-18.000	90.000	8.846e+00	-6.813e+00
241.156	8.727e+00	355.405	1.638e+01
-17.000	90.000	9.742e+00	-6.692e+00
242.926	9.642e+00	355.031	1.703e+01
-16.000	90.000	1.055e+01	-6.593e+00
244.772	1.046e+01	354.714	1.761e+01
-15.000	90.000	1.128e+01	-6.517e+00
246.697	1.120e+01	354.440	1.816e+01
-14.000	90.000	1.193e+01	-6.462e+00
248.706	1.187e+01	354.202	1.866e+01
-13.000	90.000	1.253e+01	-6.429e+00
250.803	1.247e+01	353.992	1.914e+01
-12.000	90.000	1.306e+01	-6.417e+00
252.994	1.301e+01	353.806	1.959e+01
-11.000	90.000	1.354e+01	-6.426e+00
255.284	1.350e+01	353.641	2.002e+01

-10.000	90.000	1.397e+01	-6.453e+00
257.677	1.393e+01	353.494	2.043e+01
-9.000	90.000	1.435e+01	-6.500e+00
260.180	1.431e+01	353.363	2.083e+01
-8.000	90.000	1.468e+01	-6.565e+00
262.796	1.465e+01	353.246	2.121e+01
-7.000	90.000	1.497e+01	-6.646e+00
265.533	1.494e+01	353.141	2.159e+01
-6.000	90.000	1.521e+01	-6.742e+00
268.395	1.518e+01	353.048	2.197e+01
-5.000	90.000	1.542e+01	-6.852e+00
271.386	1.539e+01	352.967	2.234e+01
-4.000	90.000	1.558e+01	-6.974e+00
274.509	1.555e+01	352.895	2.271e+01
-3.000	90.000	1.570e+01	-7.106e+00
277.768	1.568e+01	352.834	2.308e+01
-2.000	90.000	1.578e+01	-7.246e+00
281.164	1.576e+01	352.782	2.346e+01
-1.000	90.000	1.582e+01	-7.392e+00
284.697	1.580e+01	352.739	2.385e+01