

AZIMUTH PATTERN

TYPE:

ATW-O4

Directivity:

Numeric
1.13

dB
(0.53)

Peak(s) at:

Polarization:

Horizontal

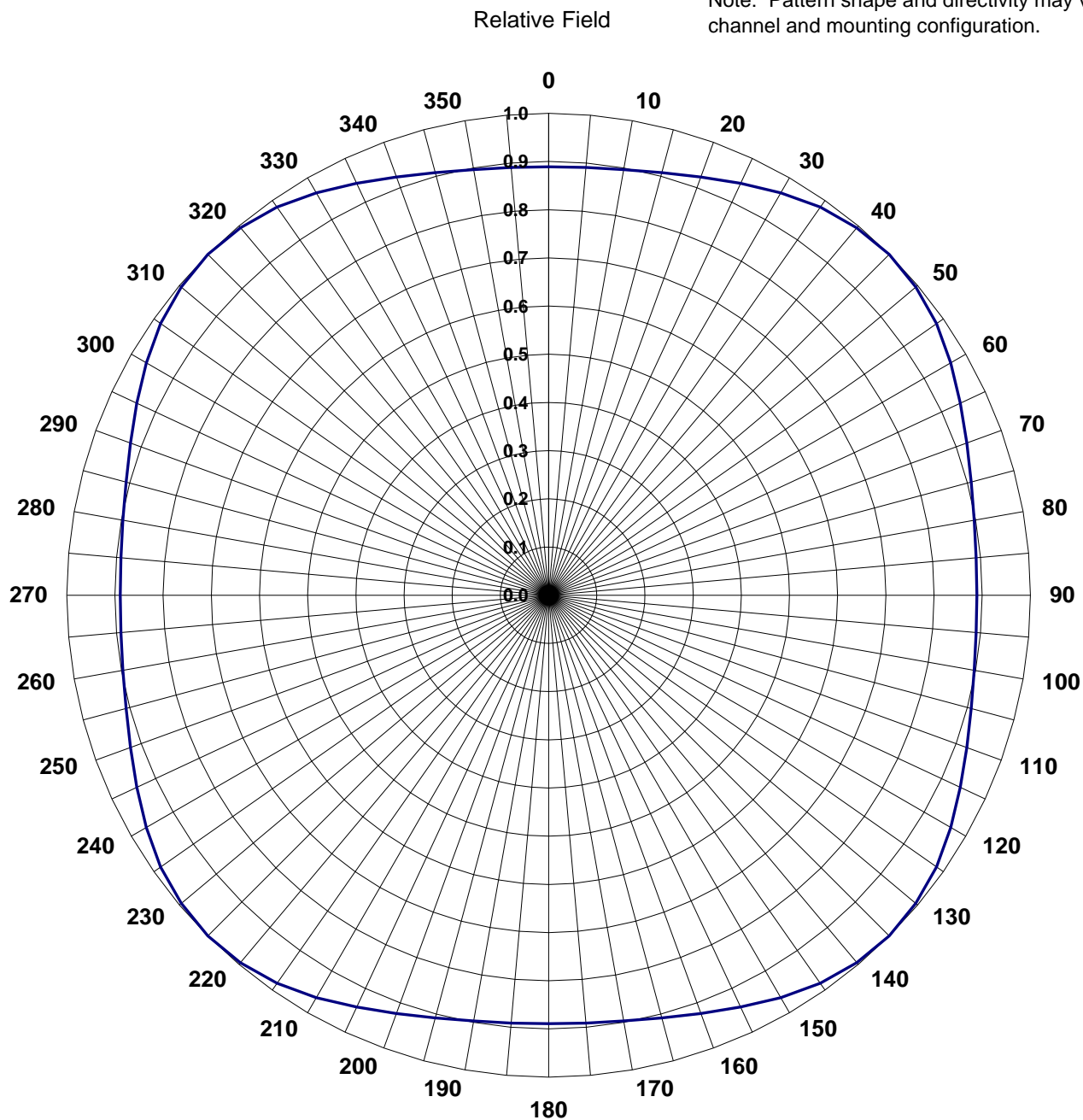
Frequency:

25

Location:

Belmont, NC

Note: Pattern shape and directivity may vary with channel and mounting configuration.



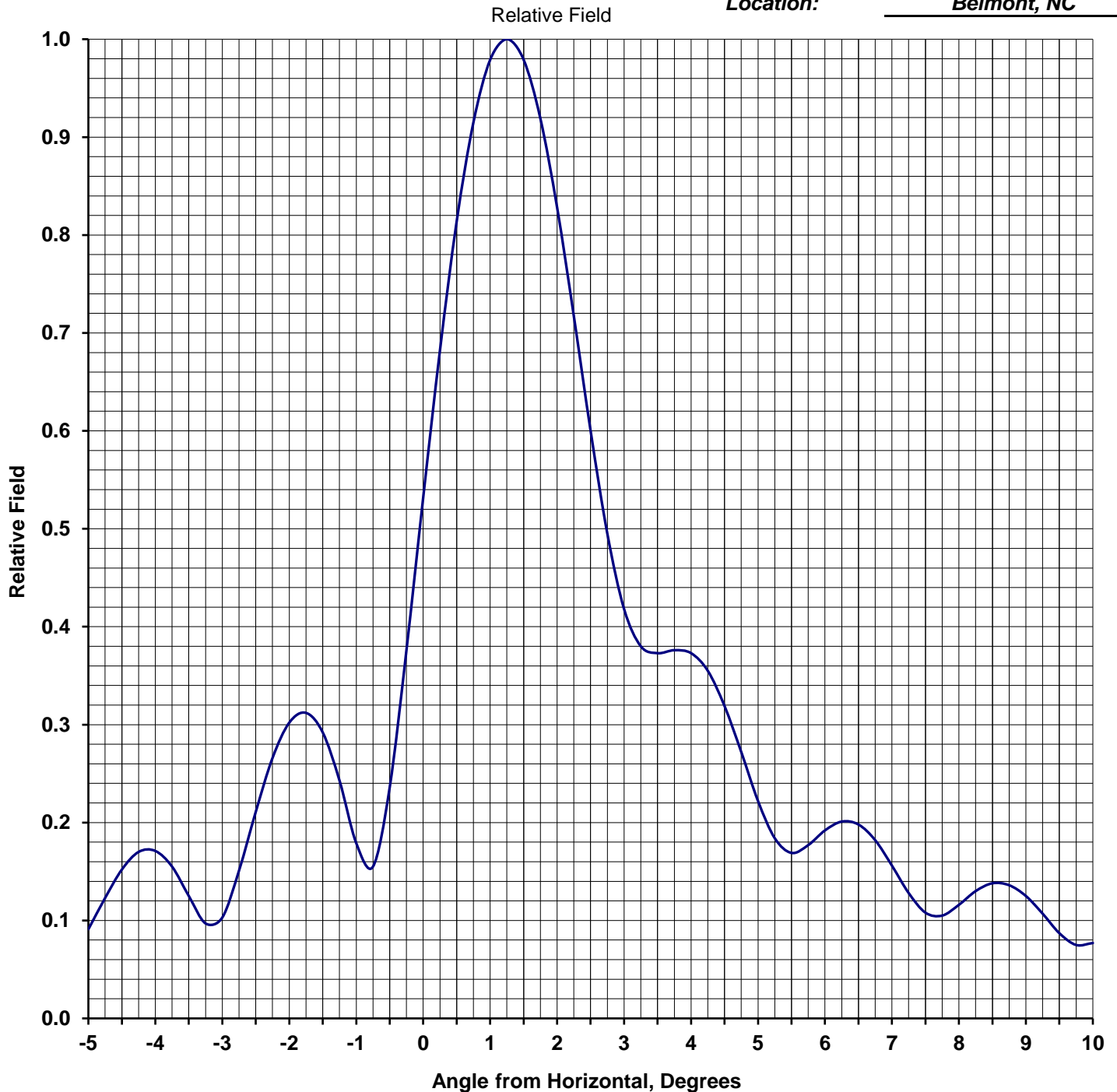
TABULATED DATA FOR AZIMUTH PATTERNTYPE: **ATW-04**

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.889	-1.02	92	0.889	-1.02	184	0.890	-1.01	276	0.892	-0.99
2	0.889	-1.02	94	0.890	-1.01	186	0.892	-0.99	278	0.894	-0.97
4	0.890	-1.01	96	0.892	-0.99	188	0.894	-0.97	280	0.897	-0.94
6	0.892	-0.99	98	0.894	-0.97	190	0.897	-0.94	282	0.901	-0.91
8	0.894	-0.97	100	0.897	-0.94	192	0.901	-0.91	284	0.906	-0.86
10	0.897	-0.94	102	0.901	-0.91	194	0.906	-0.86	286	0.911	-0.81
12	0.901	-0.91	104	0.906	-0.86	196	0.911	-0.81	288	0.917	-0.75
14	0.906	-0.86	106	0.911	-0.81	198	0.917	-0.75	290	0.924	-0.69
16	0.911	-0.81	108	0.917	-0.75	200	0.924	-0.69	292	0.931	-0.62
18	0.917	-0.75	110	0.924	-0.69	202	0.931	-0.62	294	0.939	-0.55
20	0.924	-0.69	112	0.931	-0.62	204	0.939	-0.55	296	0.947	-0.47
22	0.931	-0.62	114	0.939	-0.55	206	0.947	-0.47	298	0.956	-0.40
24	0.939	-0.55	116	0.947	-0.47	208	0.956	-0.40	300	0.964	-0.32
26	0.947	-0.47	118	0.956	-0.40	210	0.964	-0.32	302	0.972	-0.25
28	0.956	-0.40	120	0.964	-0.32	212	0.972	-0.25	304	0.980	-0.18
30	0.964	-0.32	122	0.972	-0.25	214	0.980	-0.18	306	0.986	-0.12
32	0.972	-0.25	124	0.980	-0.18	216	0.986	-0.12	308	0.991	-0.08
34	0.980	-0.18	126	0.986	-0.12	218	0.991	-0.08	310	0.995	-0.04
36	0.986	-0.12	128	0.991	-0.08	220	0.995	-0.04	312	0.998	-0.02
38	0.991	-0.08	130	0.995	-0.04	222	0.998	-0.02	314	1.000	0.00
40	0.995	-0.04	132	0.998	-0.02	224	1.000	0.00	316	1.000	0.00
42	0.998	-0.02	134	1.000	0.00	226	1.000	0.00	318	0.998	-0.02
44	1.000	0.00	136	1.000	0.00	228	0.998	-0.02	320	0.995	-0.04
46	1.000	0.00	138	0.998	-0.02	230	0.995	-0.04	322	0.991	-0.08
48	0.998	-0.02	140	0.995	-0.04	232	0.991	-0.08	324	0.986	-0.12
50	0.995	-0.04	142	0.991	-0.08	234	0.986	-0.12	326	0.980	-0.18
52	0.991	-0.08	144	0.986	-0.12	236	0.980	-0.18	328	0.972	-0.25
54	0.986	-0.12	146	0.980	-0.18	238	0.972	-0.25	330	0.964	-0.32
56	0.980	-0.18	148	0.972	-0.25	240	0.964	-0.32	332	0.956	-0.40
58	0.972	-0.25	150	0.964	-0.32	242	0.956	-0.40	334	0.947	-0.47
60	0.964	-0.32	152	0.956	-0.40	244	0.947	-0.47	336	0.939	-0.55
62	0.956	-0.40	154	0.947	-0.47	246	0.939	-0.55	338	0.931	-0.62
64	0.947	-0.47	156	0.939	-0.55	248	0.931	-0.62	340	0.924	-0.69
66	0.939	-0.55	158	0.931	-0.62	250	0.924	-0.69	342	0.917	-0.75
68	0.931	-0.62	160	0.924	-0.69	252	0.917	-0.75	344	0.911	-0.81
70	0.924	-0.69	162	0.917	-0.75	254	0.911	-0.81	346	0.906	-0.86
72	0.917	-0.75	164	0.911	-0.81	256	0.906	-0.86	348	0.901	-0.91
74	0.911	-0.81	166	0.906	-0.86	258	0.901	-0.91	350	0.897	-0.94
76	0.906	-0.86	168	0.901	-0.91	260	0.897	-0.94	352	0.894	-0.97
78	0.901	-0.91	170	0.897	-0.94	262	0.894	-0.97	354	0.892	-0.99
80	0.897	-0.94	172	0.894	-0.97	264	0.892	-0.99	356	0.890	-1.01
82	0.894	-0.97	174	0.892	-0.99	266	0.890	-1.01	358	0.889	-1.02
84	0.892	-0.99	176	0.890	-1.01	268	0.889	-1.02	360	0.889	-1.02
86	0.890	-1.01	178	0.889	-1.02	270	0.889	-1.02			
88	0.889	-1.02	180	0.889	-1.02	272	0.889	-1.02			
90	0.889	-1.02	182	0.889	-1.02	274	0.890	-1.01			



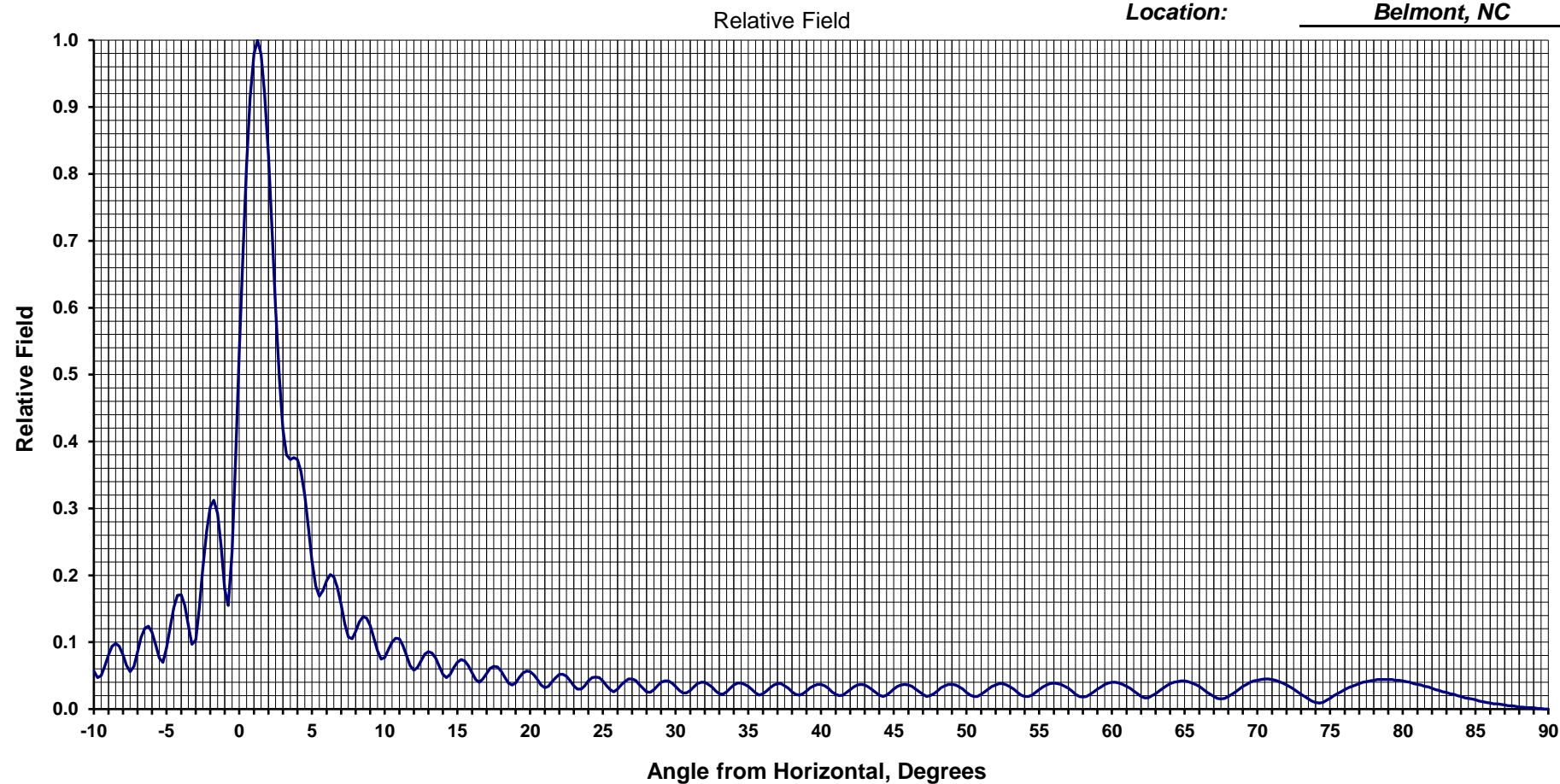
ELEVATION PATTERN

TYPE:	ATW25H3	
Directivity:	Numeric	dBd
Main Lobe:	25.00	13.98
Horizontal:	7.08	8.50
Beam Tilt:	1.25	
Polarization:	Horizontal	
Frequency:	25	
Location:	Belmont, NC	



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Frequency:	25	
Location:	Belmont, NC	



TABULATED DATA FOR ELEVATION PATTERN**TYPE: ATW25H3****-10 to 10 degrees in 0.25 increments****10 to 90 degrees in 0.50 increments**

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-10.00	0.057	-24.88	2.25	0.717	-18.27	19.00	0.039	-28.64	43.50	0.029	-26.38	68.00	0.019	-32.04
-9.75	0.047	-26.56	2.50	0.600	-18.34	19.50	0.054	-28.64	44.00	0.021	-26.94	68.50	0.026	-30.75
-9.50	0.050	-26.02	2.75	0.495	-18.49	20.00	0.056	-28.18	44.50	0.021	-27.54	69.00	0.034	-29.37
-9.25	0.064	-23.88	3.00	0.418	-18.56	20.50	0.044	-27.54	45.00	0.030	-28.64	69.50	0.040	-28.64
-9.00	0.081	-21.83	3.25	0.380	-18.71	21.00	0.032	-26.94	45.50	0.036	-29.63	70.00	0.043	-27.96
-8.75	0.094	-20.54	3.50	0.373	-18.94	21.50	0.041	-26.20	46.00	0.036	-31.06	70.50	0.045	-27.74
-8.50	0.098	-20.18	3.75	0.376	-19.17	22.00	0.052	-25.51	46.50	0.030	-31.70	71.00	0.044	-28.18
-8.25	0.094	-20.54	4.00	0.373	-19.41	22.50	0.049	-24.88	47.00	0.022	-31.70	71.50	0.041	-28.87
-8.00	0.081	-21.83	4.25	0.355	-19.74	23.00	0.035	-24.44	47.50	0.020	-31.06	72.00	0.036	-29.90
-7.75	0.065	-23.74	4.50	0.319	-20.09	23.50	0.030	-24.15	48.00	0.027	-29.90	72.50	0.030	-31.37
-7.50	0.056	-25.04	4.75	0.272	-20.45	24.00	0.042	-24.01	48.50	0.035	-28.64	73.00	0.022	-32.77
-7.25	0.064	-23.88	5.00	0.222	-20.82	24.50	0.048	-24.01	49.00	0.037	-27.74	73.50	0.015	-32.77
-7.00	0.085	-21.41	5.25	0.184	-21.31	25.00	0.042	-24.15	49.50	0.033	-27.13	74.00	0.010	-31.70
-6.75	0.107	-19.41	5.50	0.169	-21.83	25.50	0.029	-24.44	50.00	0.025	-26.94	74.50	0.010	-30.46
-6.50	0.121	-18.34	5.75	0.177	-22.38	26.00	0.030	-25.04	50.50	0.019	-26.94	75.00	0.016	-29.12
-6.25	0.124	-18.13	6.00	0.192	-22.97	26.50	0.041	-25.51	51.00	0.022	-27.13	75.50	0.023	-28.40
-6.00	0.115	-18.79	6.25	0.201	-23.61	27.00	0.045	-26.38	51.50	0.030	-27.74	76.00	0.029	-27.96
-5.75	0.097	-20.26	6.50	0.198	-24.15	27.50	0.037	-27.33	52.00	0.036	-28.87	76.50	0.034	-27.96
-5.50	0.076	-22.38	6.75	0.182	-24.73	28.00	0.026	-28.18	52.50	0.038	-29.90	77.00	0.038	-28.64
-5.25	0.070	-23.10	7.00	0.156	-25.19	28.50	0.029	-29.12	53.00	0.033	-31.06	77.50	0.041	-29.63
-5.00	0.091	-20.82	7.25	0.128	-25.51	29.00	0.040	-29.90	53.50	0.025	-32.04	78.00	0.043	-31.06
-4.75	0.123	-18.20	7.50	0.108	-25.68	29.50	0.042	-30.17	54.00	0.019	-32.04	78.50	0.044	-32.40
-4.50	0.152	-16.36	7.75	0.105	-25.68	30.00	0.034	-29.63	54.50	0.021	-31.37	79.00	0.044	-33.15
-4.25	0.170	-15.39	8.00	0.116	-25.51	30.50	0.024	-28.87	55.00	0.029	-30.17	79.50	0.043	-32.04
-4.00	0.171	-15.34	8.25	0.130	-25.19	31.00	0.028	-27.96	55.50	0.036	-28.87	80.00	0.042	-30.75
-3.75	0.155	-16.19	8.50	0.138	-24.73	31.50	0.038	-27.13	56.00	0.039	-27.96	80.50	0.040	-29.37
-3.50	0.125	-18.06	8.75	0.136	-24.29	32.00	0.040	-26.38	56.50	0.037	-27.54	81.00	0.037	-28.40
-3.25	0.097	-20.26	9.00	0.125	-23.88	32.50	0.033	-25.85	57.00	0.031	-27.33	81.50	0.034	-27.96
-3.00	0.103	-19.74	9.25	0.107	-23.35	33.00	0.023	-25.51	57.50	0.022	-27.54	82.00	0.031	-28.18
-2.75	0.151	-16.42	9.50	0.087	-22.97	33.50	0.026	-25.35	58.00	0.018	-27.96	82.50	0.028	-28.64
-2.50	0.211	-13.51	9.75	0.075	-22.62	34.00	0.036	-25.35	58.50	0.022	-28.87	83.00	0.025	-29.90
-2.25	0.266	-11.50	10.00	0.077	-22.38	34.50	0.039	-25.68	59.00	0.030	-29.90	83.50	0.022	-31.37
-2.00	0.302	-10.40	10.50	0.100	-22.16	35.00	0.034	-26.02	59.50	0.037	-31.37	84.00	0.019	-32.77
-1.75	0.312	-10.12	11.00	0.105	-22.05	35.50	0.024	-26.74	60.00	0.040	-32.40	84.50	0.016	-32.77
-1.50	0.292	-10.69	11.50	0.080	-21.94	36.00	0.023	-27.54	60.50	0.039	-32.40	85.00	0.014	-31.70
-1.25	0.243	-12.29	12.00	0.058	-22.05	36.50	0.032	-28.64	61.00	0.034	-31.70	85.50	0.011	-30.17
-1.00	0.179	-14.94	12.50	0.072	-22.16	37.00	0.038	-29.63	61.50	0.027	-30.46	86.00	0.009	-28.87
-0.75	0.155	-16.19	13.00	0.086	-22.38	37.50	0.035	-30.75	62.00	0.019	-29.12	86.50	0.008	-28.18
-0.50	0.236	-12.54	13.50	0.076	-22.62	38.00	0.026	-31.06	62.50	0.017	-28.18	87.00	0.006	-27.96
-0.25	0.376	-8.50	14.00	0.052	-23.10	38.50	0.021	-30.75	63.00	0.023	-27.74	87.50	0.005	-28.18
0.00	0.532	-5.48	14.50	0.052	-23.61	39.00	0.027	-29.90	63.50	0.031	-27.74	88.00	0.003	-29.12
0.25	0.682	-3.32	15.00	0.070	-24.15	39.50	0.035	-28.87	64.00	0.038	-27.96	88.50	0.002	-30.46
0.50	0.814	-1.79	15.50	0.072	-24.88	40.00	0.037	-27.96	64.50	0.041	-28.64	89.00	0.002	-32.04
0.75	0.915	-0.77	16.00	0.054	-25.68	40.50	0.031	-27.13	65.00	0.042	-29.63	89.50	0.001	-32.77
1.00	0.979	-0.18	16.50	0.040	-26.56	41.00	0.022	-26.56	65.50	0.039	-31.06	90.00	0.000	-32.40
1.25	1.000	0.00	17.00	0.053	-27.54	41.50	0.021	-26.20	66.00	0.034	-32.40			
1.50	0.979	-0.18	17.50	0.064	-28.18	42.00	0.029	-26.20	66.50	0.026	-32.77			
1.75	0.919	-0.73	18.00	0.057	-28.64	42.50	0.036	-26.38	67.00	0.019	-32.04			
2.00	0.828	-1.64	18.50	0.039	-28.64	43.00	0.036	-26.94	67.50	0.015	-30.75			

