KNSD-DT San Diego Form 302-DT
Attachment to Exhibit 7

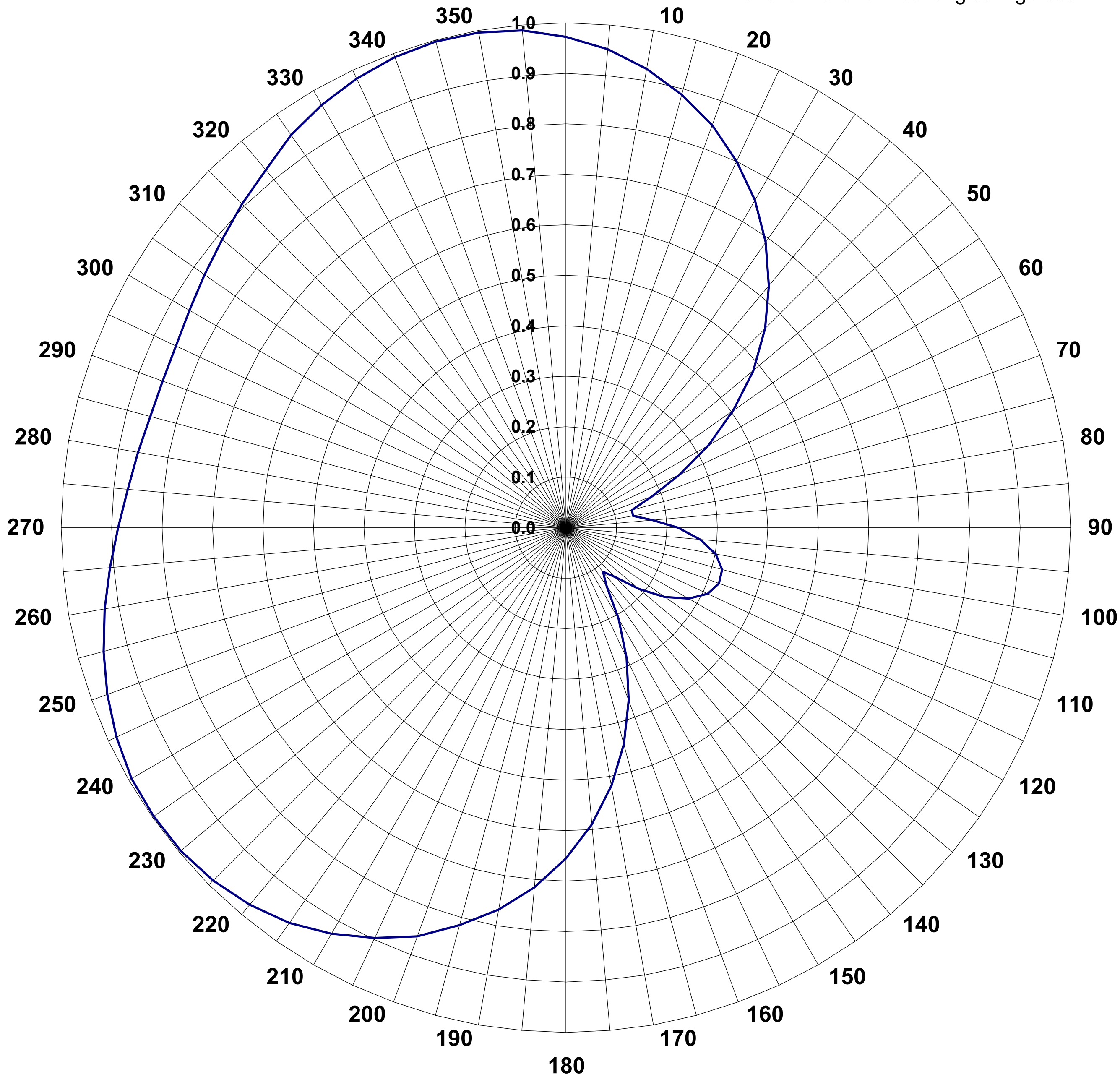
Azimuth Antenna Pattern differences between the Andrew ATW17HS4-HSC2-40S authorized in BPCDT-20000501AEP and the installed ERI ALP16M4-HSPX-40

Azimuth Angle	Andrew Corporation ATW17HS4-HSC2-40S Relative field	E.R.I. ALP16M4-HSPX-40 Relative field	Andrew Corporation ATW17HS4-HSC2-40S E.R.P. (kW)	E.R.I. ALP16M4-HSPX-40 E.R.P. (kW)	Andrew Corporation ATW17HS4-HSC2-40S E.R.P. (dBk)	E.R.I. ALP16M4-HSPX-40 E.R.P. (dBk)	Installed ERP Difference (dB)
0	0.979	0.972	354.6	349.6	25.50	25.44	-0.06
10	0.929	0.923	319.3	315.2	25.04	24.99	-0.06
20	0.856	0.847	271.1	265.4	24.33	24.24	-0.09
30	0.763	0.749	215.4	207.6	23.33	23.17	-0.16
40	0.651	0.626	156.8	145.0	21.95	21.61	-0.34
50	0.516	0.484	98.5	86.7	19.94	19.38	-0.56
60	0.377	0.326	52.6	39.3	17.21	15.95	-1.26
70	0.249	0.181	22.9	12.1	13.61	10.84	-2.77
80	0.197	0.135	14.4	6.7	11.57	8.29	-3.28
90	0.246	0.223	22.4	18.4	13.50	12.65	-0.85
100	0.310	0.301	35.6	33.5	15.51	15.25	-0.26
110	0.336	0.323	41.8	38.6	16.21	15.87	-0.34
120	0.310	0.281	35.6	29.2	15.51	14.66	-0.85
130	0.246	0.188	22.4	13.1	13.50	11.17	-2.34
140	0.197	0.114	14.4	4.8	11.57	6.82	-4.75
150	0.249	0.208	22.9	16.0	13.61	12.04	-1.56
160	0.377	0.364	52.6	49.0	17.21	16.90	-0.30
170	0.516	0.518	98.5	99.3	19.94	19.97	0.03
180	0.651	0.656	156.8	159.2	21.95	22.02	0.07
190	0.763	0.769	215.4	218.8	23.33	23.40	0.07
200	0.856	0.862	271.1	274.9	24.33	24.39	0.06
210	0.929	0.929	319.3	319.3	25.04	25.04	0.00
220	0.979	0.976	354.6	352.5	25.50	25.47	-0.03
230	0.999	0.996	369.3	367.0	25.67	25.65	-0.03
240	0.998	0.993	368.5	364.8	25.66	25.62	-0.04
250	0.974	0.967	351.0	346.0	25.45	25.39	-0.06
260	0.935	0.928	323.5	318.6	25.10	25.03	-0.07
270	0.895	0.888	296.4	291.8	24.72	24.65	-0.07
280	0.874	0.860	282.6	273.7	24.51	24.37	-0.14
290	0.869	0.850	279.4	267.3	24.46	24.27	-0.19
300	0.874	0.861	282.6	274.3	24.51	24.38	-0.13
310	0.895	0.889	296.4	292.4	24.72	24.66	-0.06
320	0.935	0.925	323.5	316.6	25.10	25.00	-0.09
330	0.974	0.967	351.0	346.0	25.45	25.39	-0.06
340	0.998	0.992	368.5	364.1	25.66	25.61	-0.05
350	0.999	0.996	369.3	367.0	25.67	25.65	-0.03
234	Not specified	1.000	0.0	370.0	Not specified	25.68	Maxima

AZIMUTH PATTERN

TYPE:	***ALP-PX***	
	Numeric	***dB***
Directivity:	***1.84***	***(2.65)***
Peak(s) at:	***234 and 346 degrees***	
Polarization:	***Horizontal***	
Channel:	***40***	
Location:	***San Diego, CA***	

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



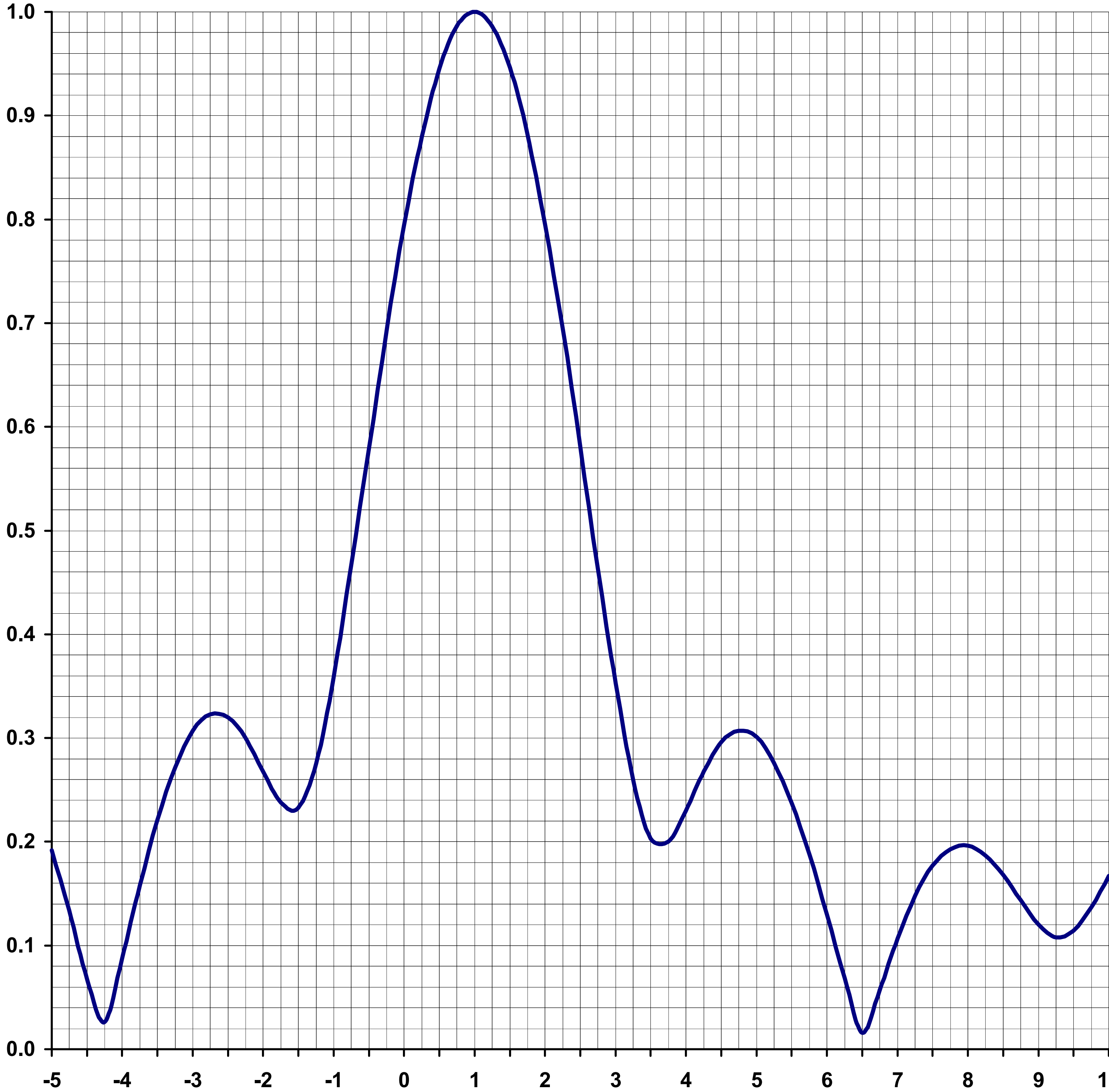
TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-PX

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB			
0	0.972	-0.24	92	0.241	-12.36	184	0.704	-3.05	276	0.870	-1.21
2	0.965	-0.31	94	0.258	-11.76	186	0.728	-2.76	278	0.865	-1.26
4	0.957	-0.38	96	0.275	-11.23	188	0.748	-2.52	280	0.860	-1.31
6	0.947	-0.47	98	0.289	-10.79	190	0.769	-2.29	282	0.856	-1.35
8	0.935	-0.59	100	0.301	-10.44	192	0.791	-2.04	284	0.855	-1.36
10	0.923	-0.70	102	0.310	-10.17	194	0.807	-1.86	286	0.852	-1.40
12	0.911	-0.81	104	0.317	-9.97	196	0.827	-1.66	288	0.851	-1.40
14	0.895	-0.96	106	0.322	-9.84	198	0.845	-1.47	290	0.850	-1.42
16	0.880	-1.11	108	0.323	-9.81	200	0.862	-1.29	292	0.852	-1.40
18	0.865	-1.26	110	0.323	-9.83	202	0.875	-1.16	294	0.852	-1.39
20	0.847	-1.44	112	0.319	-9.92	204	0.890	-1.02	296	0.854	-1.37
22	0.828	-1.64	114	0.314	-10.07	206	0.903	-0.89	298	0.858	-1.33
24	0.811	-1.82	116	0.305	-10.31	208	0.917	-0.75	300	0.861	-1.30
26	0.792	-2.03	118	0.294	-10.63	210	0.929	-0.64	302	0.865	-1.26
28	0.770	-2.27	120	0.281	-11.02	212	0.940	-0.53	304	0.871	-1.20
30	0.749	-2.51	122	0.266	-11.51	214	0.949	-0.45	306	0.875	-1.16
32	0.725	-2.79	124	0.248	-12.12	216	0.961	-0.35	308	0.883	-1.08
34	0.702	-3.07	126	0.230	-12.78	218	0.967	-0.29	310	0.889	-1.03
36	0.676	-3.40	128	0.209	-13.60	220	0.976	-0.21	312	0.896	-0.95
38	0.653	-3.70	130	0.188	-14.50	222	0.980	-0.17	314	0.906	-0.86
40	0.626	-4.07	132	0.167	-15.55	224	0.988	-0.11	316	0.909	-0.82
42	0.600	-4.44	134	0.148	-16.61	226	0.991	-0.08	318	0.918	-0.74
44	0.572	-4.85	136	0.131	-17.69	228	0.994	-0.05	320	0.925	-0.67
46	0.544	-5.29	138	0.118	-18.55	230	0.996	-0.03	322	0.935	-0.59
48	0.514	-5.78	140	0.114	-18.88	232	0.996	-0.03	324	0.943	-0.51
50	0.484	-6.31	142	0.118	-18.54	234	1.000	0.00	326	0.950	-0.44
52	0.453	-6.87	144	0.132	-17.61	236	0.996	-0.03	328	0.959	-0.37
54	0.422	-7.49	146	0.153	-16.33	238	0.995	-0.05	330	0.967	-0.29
56	0.390	-8.18	148	0.178	-15.00	240	0.993	-0.06	332	0.971	-0.25
58	0.359	-8.91	150	0.208	-13.66	242	0.988	-0.11	334	0.977	-0.20
60	0.326	-9.73	152	0.236	-12.53	244	0.985	-0.13	336	0.982	-0.16
62	0.296	-10.59	154	0.268	-11.44	246	0.978	-0.19	338	0.988	-0.10
64	0.266	-11.51	156	0.301	-10.44	248	0.973	-0.24	340	0.992	-0.07
66	0.235	-12.57	158	0.332	-9.59	250	0.967	-0.29	342	0.995	-0.04
68	0.206	-13.73	160	0.364	-8.79	252	0.961	-0.35	344	0.996	-0.04
70	0.181	-14.83	162	0.396	-8.05	254	0.953	-0.42	346	0.997	-0.03
72	0.158	-16.04	164	0.428	-7.38	256	0.945	-0.49	348	0.996	-0.03
74	0.141	-17.04	166	0.459	-6.77	258	0.935	-0.59	350	0.996	-0.03
76	0.130	-17.73	168	0.490	-6.19	260	0.928	-0.65	352	0.993	-0.06
78	0.129	-17.82	170	0.518	-5.72	262	0.920	-0.73	354	0.990	-0.09
80	0.135	-17.42	172	0.548	-5.22	264	0.912	-0.80	356	0.985	-0.13
82	0.147	-16.65	174	0.576	-4.79	266	0.904	-0.88	358	0.978	-0.19
84	0.164	-15.71	176	0.603	-4.39	268	0.896	-0.96	360	0.972	-0.24
86	0.183	-14.76	178	0.631	-3.99	270	0.888	-1.04			
88	0.203	-13.83	180	0.656	-3.66	272	0.882	-1.09			
90	0.223	-13.05	182	0.680	-3.34	274	0.876	-1.15			

ELEVATION PATTERN

TYPE:	ALP16L4	
Directivity:	Numeric	dBd
Main Lobe:	16.59	(12.20)
Horizontal:		
Beam Tilt:	1.00 Degrees	
Polarization:	Horizontal	
Channel:	40	
Location:	San Diego, CA	



TABULATED DATA FOR ELEVATION PATTERN

TYPE: ALP16L4 — *-5 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
-5.00	0.192	-14.33	6.75	0.057	-24.88	27.00	0.040				-24.88	74.00	0.213	-13.43
-4.75	0.134	-17.49	7.00	0.107	-19.41	27.50	0.036	-28.87	51.00	0.069	-23.22	74.50	0.205	-13.77
-4.50	0.067	-23.48	7.25	0.148	-16.60	28.00	0.026	-31.70	51.50	0.077	-22.27	75.00	0.195	-14.20
-4.25	0.026	-31.87	7.50	0.177	-15.04	28.50	0.014	-37.08	52.00	0.080	-21.94	75.50	0.184	-14.70
-4.00	0.087	-21.21	7.75	0.193	-14.31	29.00	0.004	-47.96	52.50	0.076	-22.38	76.00	0.173	-15.24
-3.75	0.158	-16.05	8.00	0.196	-14.16	29.50	0.001	-60.00	53.00	0.068	-23.35	76.50	0.161	-15.86
-3.50	0.221	-13.11	8.25	0.187	-14.59	30.00	0.000	0.00	53.50	0.055	-25.19	77.00	0.148	-16.60
-3.25	0.272	-11.33	8.50	0.168	-15.49	30.50	0.006	-44.44	54.00	0.043	-27.33	77.50	0.136	-17.33
-3.00	0.307	-10.26	8.75	0.144	-16.83	31.00	0.013	-37.72	54.50	0.036	-28.87	78.00	0.124	-18.13
-2.75	0.323	-9.83	9.00	0.120	-18.42	31.50	0.018	-34.90	55.00	0.040	-27.96	78.50	0.113	-18.94
-2.50	0.320	-9.90	9.25	0.108	-19.37	32.00	0.020	-33.98	55.50	0.052	-25.68	79.00	0.101	-19.91
-2.25	0.300	-10.47	9.50	0.114	-18.86	32.50	0.021	-33.56	56.00	0.065	-23.74	79.50	0.091	-20.82
-2.00	0.268	-11.44	9.75	0.137	-17.27	33.00	0.033	-29.63	56.50	0.074	-22.62	80.00	0.081	-21.83
-1.75	0.238	-12.49	10.00	0.167	-15.55	33.50	0.058	-24.73	57.00	0.079	-22.05	80.50	0.072	-22.85
-1.50	0.233	-12.65	10.50	0.222	-13.07	34.00	0.089	-21.01	57.50	0.077	-22.27	81.00	0.063	-24.01
-1.25	0.276	-11.17	11.00	0.248	-12.11	34.50	0.121	-18.34	58.00	0.070	-23.10	81.50	0.056	-25.04
-1.00	0.359	-8.90	11.50	0.240	-12.40	35.00	0.148	-16.60	58.50	0.058	-24.73	82.00	0.049	-26.20
-0.75	0.466	-6.64	12.00	0.202	-13.89	35.50	0.166	-15.60	59.00	0.041	-27.74	82.50	0.043	-27.33
-0.50	0.580	-4.73	12.50	0.147	-16.65	36.00	0.171	-15.34	59.50	0.022	-33.15	83.00	0.037	-28.64
-0.25	0.692	-3.20	13.00	0.089	-21.01	36.50	0.162	-15.81	60.00	0.006	-44.44	83.50	0.032	-29.90
0.00	0.794	-2.00	13.50	0.042	-27.54	37.00	0.141	-17.02	60.50	0.023	-32.77	84.00	0.028	-31.06
0.25	0.880	-1.11	14.00	0.012	-38.42	37.50	0.111	-19.09	61.00	0.044	-27.13	84.50	0.024	-32.40
0.50	0.945	-0.49	14.50	0.000	0.00	38.00	0.077	-22.27	61.50	0.062	-24.15	85.00	0.021	-33.56
0.75	0.986	-0.13	15.00	0.010	-40.00	38.50	0.049	-26.20	62.00	0.077	-22.27	85.50	0.018	-34.90
1.00	1.000	0.00	15.50	0.024	-32.40	39.00	0.042	-27.54	62.50	0.087	-21.21	86.00	0.015	-36.48
1.25	0.986	-0.12	16.00	0.036	-28.87	39.50	0.054	-25.35	63.00	0.093	-20.63	86.50	0.013	-37.72
1.50	0.946	-0.48	16.50	0.038	-28.40	40.00	0.065	-23.74	63.50	0.094	-20.54	87.00	0.011	-39.17
1.75	0.882	-1.10	17.00	0.027	-31.37	40.50	0.068	-23.35	64.00	0.091	-20.82	87.50	0.009	-40.92
2.00	0.796	-1.98	17.50	0.005	-46.02	41.00	0.062	-24.15	64.50	0.083	-21.62	88.00	0.007	-43.10
2.25	0.694	-3.18	18.00	0.028	-31.06	41.50	0.047	-26.56	65.00	0.075	-22.50	88.50	0.005	-46.02
2.50	0.581	-4.72	18.50	0.056	-25.04	42.00	0.028	-31.06	65.50	0.067	-23.48	89.00	0.003	-50.46
2.75	0.464	-6.67	19.00	0.074	-22.62	42.50	0.008	-41.94	66.00	0.064	-23.88	89.50	0.002	-53.98
3.00	0.353	-9.05	19.50	0.076	-22.38	43.00	0.013	-37.72	66.50	0.070	-23.10	90.00	0.000	-99.99
3.25	0.260	-11.72	20.00	0.064	-23.88	43.50	0.027	-31.37	67.00	0.084	-21.51			
3.50	0.203	-13.85	20.50	0.058	-24.73	44.00	0.036	-28.87	67.50	0.102	-19.83			
3.75	0.200	-14.00	21.00	0.087	-21.21	44.50	0.038	-28.40	68.00	0.123	-18.20			
4.00	0.230	-12.77	21.50	0.136	-17.33	45.00	0.035	-29.12	68.50	0.143	-16.89			
4.25	0.268	-11.45	22.00	0.184	-14.70	45.50	0.027	-31.37	69.00	0.163	-15.76			
4.50	0.296	-10.57	22.50	0.218	-13.23	46.00	0.020	-33.98	69.50	0.180	-14.90			
4.75	0.307	-10.27	23.00	0.231	-12.73	46.50	0.014	-37.08	70.00	0.196	-14.16			
5.00	0.301	-10.43	23.50	0.221	-13.11	47.00	0.014	-37.08	70.50	0.208	-13.64			
5.25	0.276	-11.17	24.00	0.191	-14.38	47.50	0.013	-37.72	71.00	0.217	-13.27			
5.50	0.238	-12.47	24.50	0.147	-16.65	48.00	0.010	-40.00	71.50	0.223	-13.03			
5.75	0.188	-14.52	25.00	0.099	-20.09	48.50	0.002	-53.98	72.00	0.227	-12.88			
6.00	0.130	-17.72	25.50	0.056	-25.04	49.00	0.010	-40.00	72.50	0.227	-12.88			
6.25	0.068	-23.35	26.00	0.033	-29.63	49.50	0.025	-32.04	73.00	0.225	-12.96			
6.50	0.016	-35.92	26.50	0.036	-28.87	50.00	0.041	-27.74	73.50	0.220	-13.15			