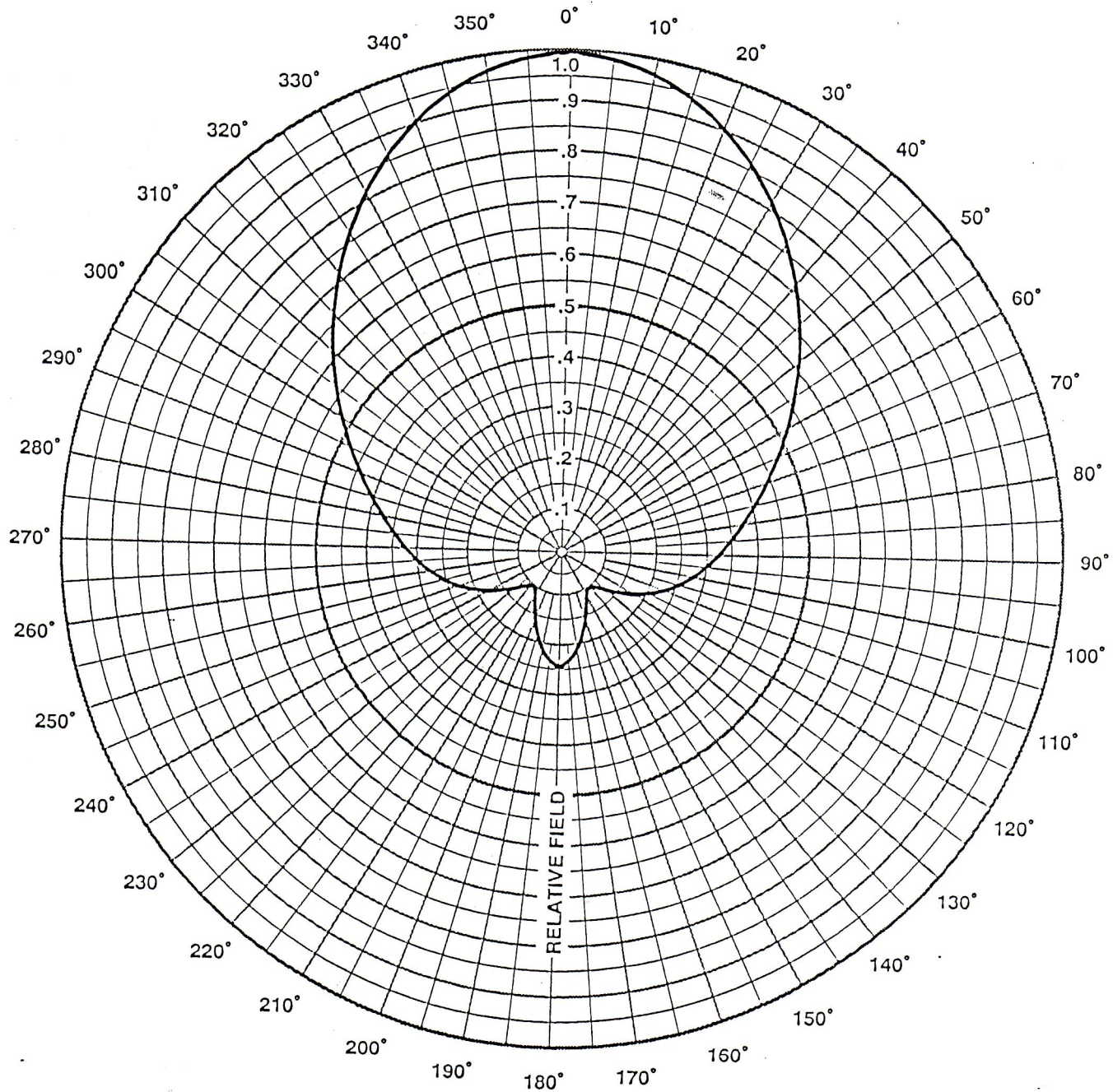


ANDREW
AZIMUTH PATTERN

Type:	ALP-N	
	Numeric	dB
Directivity:	3.77	5.76
Peak(s) At:	135°	TRUE
Polarization:	H	
Channel:	17	
Location:	SNYDER, TX	

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



ANDREW CORPORATION
10500 W. 153rd Street
Orland Park, Illinois U.S.A. 60462

EXHIBIT 2 A

ANDREW ELEVATION PATTERN

Type:

ALP32L3

Directivity:

Numeric
31.93

dBd
15.04

Main Lobe

11.65

10.66

Horizontal

Beam Tilt:

0.75 Degrees

Polarization:

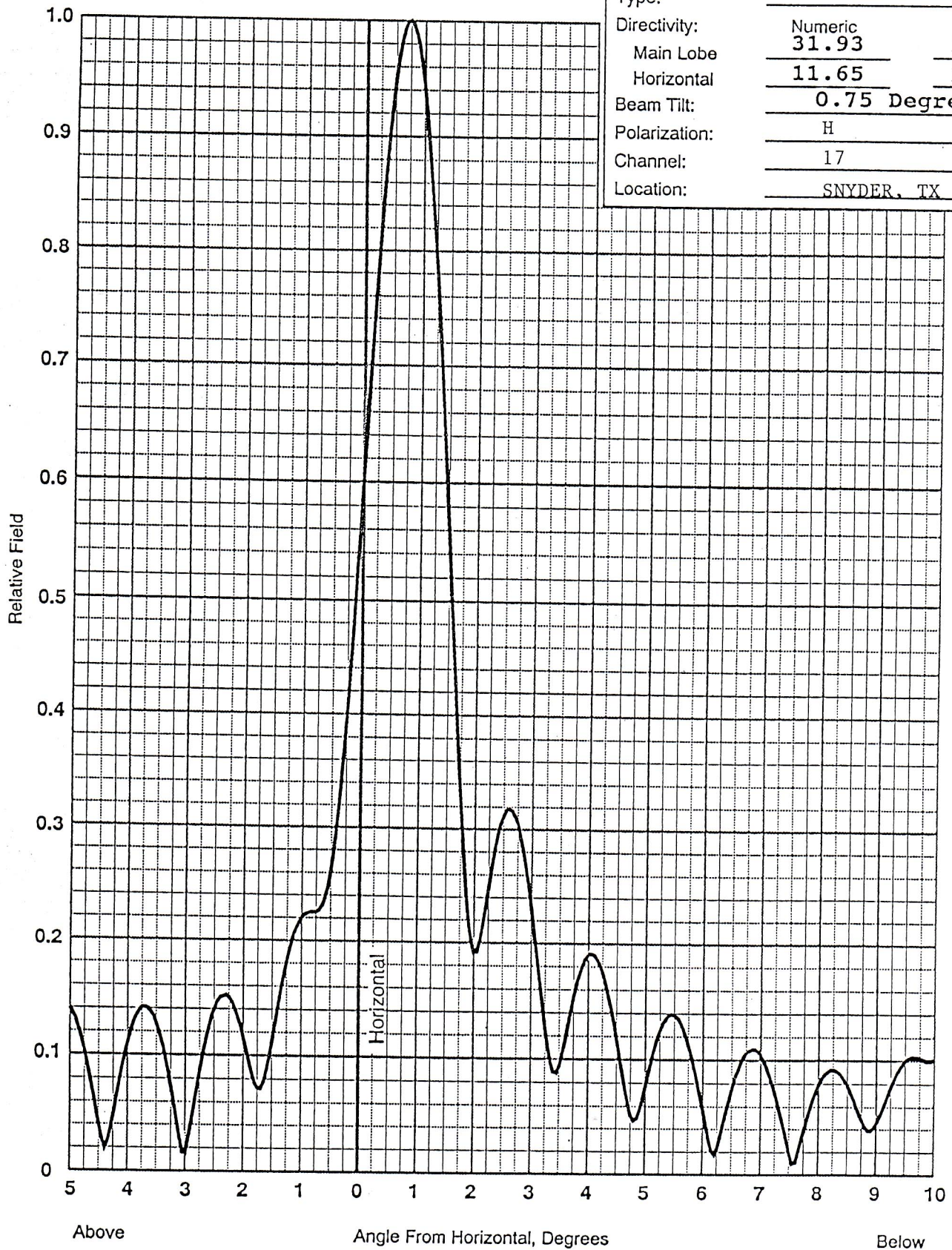
H

Channel:

17

Location:

SNYDER, TX



ANDREW CORPORATION
10500 W. 153rd Street
Orland Park, Illinois U.S.A. 60462

EXHIBIT 2 C

ANDREW

TABULATED DATA FOR AZIMUTH PATTERN TYPE ALP-N

ANGLE	RELATIVE FIELD	dB	ANGLE	RELATIVE FIELD	dB	ANGLE	RELATIVE FIELD	dB
0	1.000	0.00	120	0.168	-15.49	240	0.168	-15.49
2	0.997	-0.03	122	0.158	-16.03	242	0.179	-14.94
4	0.993	-0.06	124	0.148	-16.59	244	0.189	-14.47
6	0.988	-0.10	126	0.138	-17.20	246	0.200	-13.98
8	0.981	-0.17	128	0.129	-17.79	248	0.211	-13.51
10	0.972	-0.25	130	0.120	-18.42	250	0.221	-13.11
12	0.962	-0.34	132	0.113	-18.94	252	0.231	-12.73
14	0.950	-0.45	134	0.106	-19.49	254	0.241	-12.36
16	0.936	-0.57	136	0.101	-19.91	256	0.250	-12.04
18	0.922	-0.70	138	0.096	-20.35	258	0.260	-11.70
20	0.906	-0.86	140	0.094	-20.54	260	0.269	-11.40
22	0.889	-1.02	142	0.093	-20.63	262	0.279	-11.09
24	0.872	-1.19	144	0.093	-20.63	264	0.287	-10.84
26	0.853	-1.38	146	0.095	-20.45	266	0.297	-10.55
28	0.834	-1.58	148	0.099	-20.09	268	0.306	-10.29
30	0.815	-1.78	150	0.104	-19.66	270	0.316	-10.01
32	0.795	-1.99	152	0.110	-19.17	272	0.325	-9.76
34	0.775	-2.21	154	0.118	-18.56	274	0.335	-9.50
36	0.754	-2.45	156	0.127	-17.92	276	0.346	-9.22
38	0.734	-2.69	158	0.137	-17.27	278	0.357	-8.95
40	0.713	-2.94	160	0.147	-16.65	280	0.368	-8.68
42	0.692	-3.20	162	0.159	-15.97	282	0.380	-8.40
44	0.671	-3.47	164	0.169	-15.44	284	0.393	-8.11
46	0.651	-3.73	166	0.181	-14.85	286	0.406	-7.83
48	0.631	-4.00	168	0.192	-14.33	288	0.421	-7.51
50	0.611	-4.28	170	0.202	-13.89	290	0.435	-7.23
52	0.591	-4.57	172	0.212	-13.47	292	0.450	-6.94
54	0.571	-4.87	174	0.220	-13.15	294	0.466	-6.63
56	0.553	-5.14	176	0.226	-12.92	296	0.483	-6.32
58	0.535	-5.43	178	0.232	-12.69	298	0.499	-6.04
60	0.517	-5.73	180	0.236	-12.54	300	0.517	-5.73
62	0.499	-6.04	182	0.232	-12.69	302	0.535	-5.43
64	0.483	-6.32	184	0.226	-12.92	304	0.553	-5.14
66	0.466	-6.63	186	0.220	-13.15	306	0.571	-4.87
68	0.450	-6.94	188	0.212	-13.47	308	0.591	-4.57
70	0.435	-7.23	190	0.202	-13.89	310	0.611	-4.28
72	0.421	-7.51	192	0.192	-14.33	312	0.631	-4.00
74	0.406	-7.83	194	0.181	-14.85	314	0.651	-3.73
76	0.393	-8.11	196	0.169	-15.44	316	0.671	-3.47
78	0.380	-8.40	198	0.159	-15.97	318	0.692	-3.20
80	0.368	-8.68	200	0.147	-16.65	320	0.713	-2.94
82	0.357	-8.95	202	0.137	-17.27	322	0.734	-2.69
84	0.346	-9.22	204	0.127	-17.92	324	0.754	-2.45
86	0.335	-9.50	206	0.118	-18.56	326	0.775	-2.21
88	0.325	-9.76	208	0.110	-19.17	328	0.795	-1.99
90	0.316	-10.01	210	0.104	-19.66	330	0.815	-1.78
92	0.306	-10.29	212	0.099	-20.09	332	0.834	-1.58
94	0.297	-10.55	214	0.095	-20.45	334	0.853	-1.38
96	0.287	-10.84	216	0.093	-20.63	336	0.872	-1.19
98	0.279	-11.09	218	0.093	-20.63	338	0.889	-1.02
100	0.269	-11.40	220	0.094	-20.54	340	0.906	-0.86
102	0.260	-11.70	222	0.096	-20.35	342	0.922	-0.70
104	0.250	-12.04	224	0.101	-19.91	344	0.936	-0.57
106	0.241	-12.36	226	0.106	-19.49	346	0.950	-0.45
108	0.231	-12.73	228	0.113	-18.94	348	0.962	-0.34
110	0.221	-13.11	230	0.120	-18.42	350	0.972	-0.25
112	0.211	-13.51	232	0.129	-17.79	352	0.981	-0.17
114	0.200	-13.98	234	0.138	-17.20	354	0.988	-0.10
116	0.189	-14.47	236	0.148	-16.59	356	0.993	-0.06
118	0.179	-14.94	238	0.158	-16.03	358	0.997	-0.03

MAXIMUM

RELATIVE FIELD

1.00

dB

0.00

AZIMUTH DEGREES

0

CHANNEL 17 SNYDER, TX

MINIMUM

.093

-20.63

143 217

EXHIBIT 2 B

ANDREW

TABULATED DATA FOR ELEVATION PATTERN TYPE ALP32L3

ANGLE	RELATIVE FIELD	dB	ANGLE	RELATIVE FIELD	dB	ANGLE	RELATIVE FIELD	dB	ANGLE	RELATIVE FIELD	dB
-5° TO 10° IN 0.25° INCREMENTS			10° TO 90° IN 0.5° INCREMENTS								
-5.00	0.140	-17.10	10.00	0.101	-19.92	40.00	0.023	-32.89	70.00	0.195	-14.18
-4.75	0.103	-19.74	10.50	0.191	-14.36	40.50	0.032	-30.00	70.50	0.175	-15.13
-4.50	0.039	-28.23	11.00	0.301	-10.43	41.00	0.020	-34.00	71.00	0.148	-16.59
-4.25	0.049	-26.14	11.50	0.296	-10.57	41.50	0.006	-44.14	71.50	0.117	-18.64
-4.00	0.111	-19.10	12.00	0.181	-14.84	42.00	0.024	-32.27	72.00	0.086	-21.36
-3.75	0.141	-17.04	12.50	0.056	-24.99	42.50	0.027	-31.45	72.50	0.058	-24.77
-3.50	0.126	-17.96	13.00	0.048	-26.36	43.00	0.012	-38.54	73.00	0.040	-28.06
-3.25	0.072	-22.83	13.50	0.040	-27.98	43.50	0.010	-39.64	73.50	0.037	-28.69
-3.00	0.015	-36.28	14.00	0.011	-39.13	44.00	0.024	-32.29	74.00	0.044	-27.12
-2.75	0.087	-21.16	14.50	0.009	-40.53	44.50	0.022	-32.97	74.50	0.052	-25.73
-2.50	0.140	-17.08	15.00	0.003	-49.51	45.00	0.011	-38.91	75.00	0.056	-25.03
-2.25	0.150	-16.50	15.50	0.001	-60.93	45.50	0.020	-34.06	75.50	0.056	-24.97
-2.00	0.115	-18.79	16.00	0.007	-42.86	46.00	0.029	-30.73	76.00	0.053	-25.46
-1.75	0.072	-22.87	16.50	0.012	-38.67	46.50	0.028	-30.91	76.50	0.048	-26.46
-1.50	0.113	-18.95	17.00	0.002	-52.53	47.00	0.037	-28.71	77.00	0.040	-27.94
-1.25	0.183	-14.77	17.50	0.018	-34.81	47.50	0.060	-24.37	77.50	0.032	-29.92
-1.00	0.220	-13.14	18.00	0.019	-34.27	48.00	0.080	-21.89	78.00	0.024	-32.41
-0.75	0.225	-12.94	18.50	0.004	-47.21	48.50	0.085	-21.44	78.50	0.017	-35.26
-0.50	0.263	-11.59	19.00	0.028	-31.08	49.00	0.072	-22.88	79.00	0.013	-37.63
-0.25	0.402	-7.92	19.50	0.025	-32.09	49.50	0.048	-26.36	79.50	0.013	-38.05
0.00	0.604	-4.37	20.00	0.022	-33.13	50.00	0.024	-32.52	80.00	0.014	-36.91
0.25	0.805	-1.88	20.50	0.049	-26.25	50.50	0.008	-41.53	80.50	0.017	-35.62
0.50	0.950	-0.45	21.00	0.055	-25.13	51.00	0.007	-43.23	81.00	0.018	-34.71
0.75	1.000	0.00	21.50	0.116	-18.72	51.50	0.005	-45.99	81.50	0.020	-34.20
1.00	0.941	-0.53	22.00	0.207	-13.68	52.00	0.001	-60.69	82.00	0.020	-34.03
1.25	0.781	-2.15	22.50	0.244	-12.27	52.50	0.001	-56.56	82.50	0.020	-34.15
1.50	0.555	-5.11	23.00	0.192	-14.35	53.00	0.002	-54.15	83.00	0.019	-34.50
1.75	0.320	-9.89	23.50	0.087	-21.17	53.50	0.006	-44.95	83.50	0.018	-35.07
2.00	0.191	-14.38	24.00	0.052	-25.62	54.00	0.009	-40.54	84.00	0.016	-35.81
2.25	0.249	-12.06	24.50	0.075	-22.51	54.50	0.010	-40.33	84.50	0.015	-36.71
2.50	0.312	-10.10	25.00	0.046	-26.75	55.00	0.006	-44.95	85.00	0.013	-37.75
2.75	0.304	-10.35	25.50	0.022	-33.16	55.50	0.006	-44.84	85.50	0.011	-38.94
3.00	0.229	-12.81	26.00	0.041	-27.81	56.00	0.013	-37.84	86.00	0.010	-40.27
3.25	0.126	-17.96	26.50	0.028	-31.03	56.50	0.017	-35.49	86.50	0.008	-41.75
3.50	0.094	-20.55	27.00	0.010	-39.84	57.00	0.015	-36.65	87.00	0.007	-43.41
3.75	0.154	-16.23	27.50	0.024	-32.24	57.50	0.007	-43.30	87.50	0.005	-45.30
4.00	0.190	-14.43	28.00	0.018	-34.67	58.00	0.006	-44.39	88.00	0.004	-47.51
4.25	0.174	-15.20	28.50	0.003	-50.90	58.50	0.016	-35.76	88.50	0.003	-50.23
4.50	0.116	-18.74	29.00	0.013	-37.43	59.00	0.022	-33.13	89.00	0.002	-53.92
4.75	0.051	-25.82	29.50	0.011	-38.99	59.50	0.021	-33.72	89.50	0.001	-60.05
5.00	0.077	-22.28	30.00	0.001	-57.65	60.00	0.012	-38.40	90.00	0.000	-99.99
5.25	0.125	-18.06	30.50	0.005	-45.35	60.50	0.003	-51.42			
5.50	0.138	-17.20	31.00	0.004	-47.96	61.00	0.015	-36.28			
5.75	0.111	-19.08	31.50	0.001	-64.53	61.50	0.025	-32.00			
6.00	0.056	-25.10	32.00	0.001	-56.83	62.00	0.028	-31.07			
6.25	0.023	-32.61	32.50	0.006	-44.57	62.50	0.023	-32.68			
6.50	0.075	-22.45	33.00	0.011	-39.01	63.00	0.015	-36.50			
6.75	0.106	-19.48	33.50	0.031	-30.14	63.50	0.018	-35.11			
7.00	0.103	-19.71	34.00	0.064	-23.92	64.00	0.030	-30.40			
7.25	0.070	-23.15	34.50	0.089	-20.99	64.50	0.041	-27.83			
7.50	0.018	-34.70	35.00	0.089	-21.04	65.00	0.045	-26.94			
7.75	0.039	-28.07	35.50	0.059	-24.63	65.50	0.046	-26.80			
8.00	0.079	-22.08	36.00	0.025	-31.89	66.00	0.052	-25.64			
8.25	0.092	-20.72	36.50	0.041	-27.76	66.50	0.073	-22.75			
8.50	0.078	-22.21	37.00	0.047	-26.59	67.00	0.104	-19.66			
8.75	0.047	-26.54	37.50	0.027	-31.42	67.50	0.138	-17.20			
9.00	0.045	-26.98	38.00	0.019	-34.48	68.00	0.169	-15.44			
9.25	0.077	-22.22	38.50	0.035	-29.00	68.50	0.192	-14.32			
9.50	0.100	-20.01	39.00	0.031	-30.12	69.00	0.205	-13.77			
9.75	0.102	-19.81	39.50	0.011	-38.91	69.50	0.206	-13.73			