



Date
Call Letters
Location
Customer
Antenna Type

31 Jul 2014
KBVO-CD
Austin, TX
KXAN, LLC
TLP-16B

Channel 31

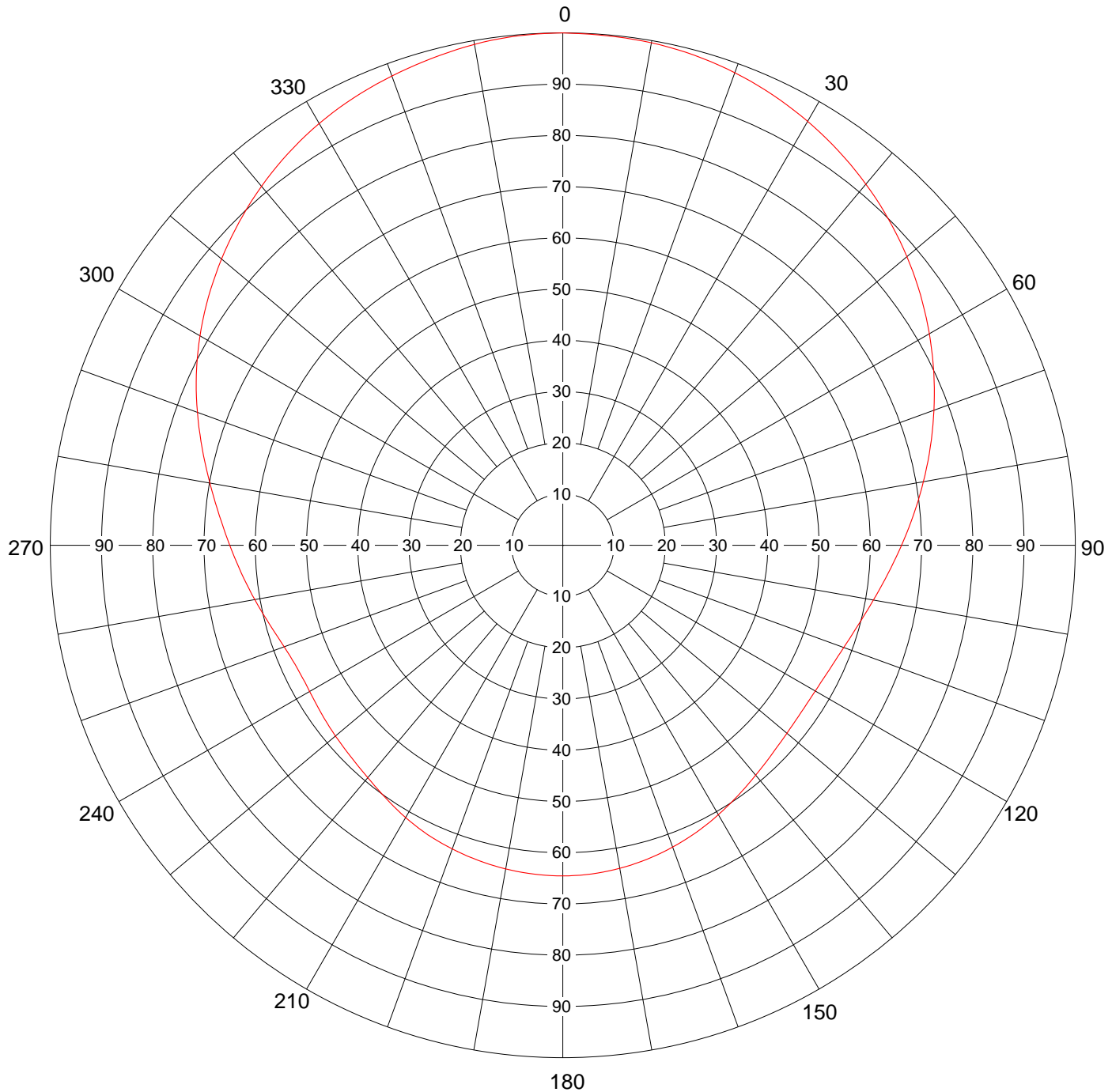
AZIMUTH PATTERN

Gain
Calculated / Measured

1.7 (2.30 dB)
Calculated

Frequency
Drawing #

575 MHz
TLP-B



Remarks:



Date **31 Jul 2014**
 Call Letters **KBVO-CD**
 Location **Austin, TX**
 Customer **KXAN, LLC**
 Antenna Type **TLP-16B**

Channel **31**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # **TLP-B**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	1.000	45	0.899	90	0.661	135	0.577	180	0.645	225	0.584	270	0.650	315	0.893
1	1.000	46	0.895	91	0.656	136	0.578	181	0.645	226	0.583	271	0.654	316	0.897
2	0.999	47	0.890	92	0.651	137	0.580	182	0.645	227	0.582	272	0.659	317	0.902
3	0.999	48	0.886	93	0.646	138	0.582	183	0.645	228	0.581	273	0.663	318	0.906
4	0.999	49	0.881	94	0.641	139	0.584	184	0.645	229	0.580	274	0.668	319	0.910
5	0.998	50	0.876	95	0.637	140	0.586	185	0.644	230	0.579	275	0.673	320	0.914
6	0.998	51	0.872	96	0.632	141	0.588	186	0.644	231	0.578	276	0.678	321	0.919
7	0.998	52	0.867	97	0.628	142	0.590	187	0.643	232	0.577	277	0.683	322	0.923
8	0.997	53	0.862	98	0.624	143	0.592	188	0.643	233	0.576	278	0.688	323	0.927
9	0.996	54	0.857	99	0.619	144	0.594	189	0.642	234	0.575	279	0.694	324	0.930
10	0.996	55	0.852	100	0.615	145	0.596	190	0.641	235	0.574	280	0.699	325	0.934
11	0.995	56	0.847	101	0.612	146	0.598	191	0.640	236	0.573	281	0.705	326	0.938
12	0.994	57	0.842	102	0.608	147	0.600	192	0.640	237	0.572	282	0.711	327	0.941
13	0.993	58	0.836	103	0.604	148	0.603	193	0.639	238	0.572	283	0.716	328	0.944
14	0.992	59	0.831	104	0.601	149	0.605	194	0.638	239	0.571	284	0.722	329	0.948
15	0.990	60	0.826	105	0.597	150	0.607	195	0.637	240	0.570	285	0.728	330	0.951
16	0.989	61	0.820	106	0.594	151	0.609	196	0.636	241	0.570	286	0.734	331	0.954
17	0.987	62	0.815	107	0.591	152	0.611	197	0.634	242	0.570	287	0.740	332	0.956
18	0.985	63	0.810	108	0.589	153	0.614	198	0.633	243	0.570	288	0.747	333	0.959
19	0.983	64	0.804	109	0.586	154	0.616	199	0.632	244	0.570	289	0.753	334	0.962
20	0.981	65	0.799	110	0.583	155	0.618	200	0.631	245	0.571	290	0.759	335	0.964
21	0.979	66	0.793	111	0.581	156	0.619	201	0.629	246	0.572	291	0.765	336	0.966
22	0.977	67	0.787	112	0.579	157	0.621	202	0.628	247	0.573	292	0.771	337	0.968
23	0.975	68	0.782	113	0.577	158	0.623	203	0.626	248	0.575	293	0.777	338	0.971
24	0.972	69	0.776	114	0.575	159	0.625	204	0.625	249	0.577	294	0.783	339	0.973
25	0.970	70	0.771	115	0.574	160	0.627	205	0.623	250	0.579	295	0.789	340	0.975
26	0.967	71	0.765	116	0.573	161	0.628	206	0.621	251	0.581	296	0.795	341	0.977
27	0.964	72	0.759	117	0.571	162	0.630	207	0.619	252	0.584	297	0.801	342	0.979
28	0.961	73	0.754	118	0.570	163	0.632	208	0.618	253	0.587	298	0.806	343	0.980
29	0.958	74	0.748	119	0.569	164	0.633	209	0.616	254	0.590	299	0.812	344	0.982
30	0.955	75	0.742	120	0.569	165	0.634	210	0.613	255	0.593	300	0.817	345	0.984
31	0.952	76	0.737	121	0.568	166	0.636	211	0.611	256	0.596	301	0.823	346	0.986
32	0.949	77	0.731	122	0.568	167	0.637	212	0.609	257	0.600	302	0.828	347	0.988
33	0.946	78	0.726	123	0.568	168	0.638	213	0.607	258	0.603	303	0.834	348	0.990
34	0.942	79	0.720	124	0.568	169	0.639	214	0.605	259	0.607	304	0.839	349	0.991
35	0.939	80	0.714	125	0.568	170	0.640	215	0.602	260	0.610	305	0.844	350	0.993
36	0.935	81	0.709	126	0.568	171	0.641	216	0.600	261	0.614	306	0.849	351	0.994
37	0.932	82	0.703	127	0.569	172	0.642	217	0.598	262	0.618	307	0.854	352	0.995
38	0.928	83	0.698	128	0.569	173	0.643	218	0.596	263	0.622	308	0.859	353	0.996
39	0.924	84	0.692	129	0.570	174	0.643	219	0.594	264	0.625	309	0.864	354	0.997
40	0.920	85	0.687	130	0.571	175	0.644	220	0.592	265	0.629	310	0.869	355	0.998
41	0.916	86	0.682	131	0.572	176	0.644	221	0.590	266	0.633	311	0.874	356	0.999
42	0.912	87	0.676	132	0.573	177	0.645	222	0.589	267	0.637	312	0.879	357	0.999
43	0.908	88	0.671	133	0.574	178	0.645	223	0.587	268	0.641	313	0.883	358	0.999
44	0.904	89	0.666	134	0.575	179	0.645	224	0.586	269	0.646	314	0.888	359	1.000

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TLP-16B

Channel **31**

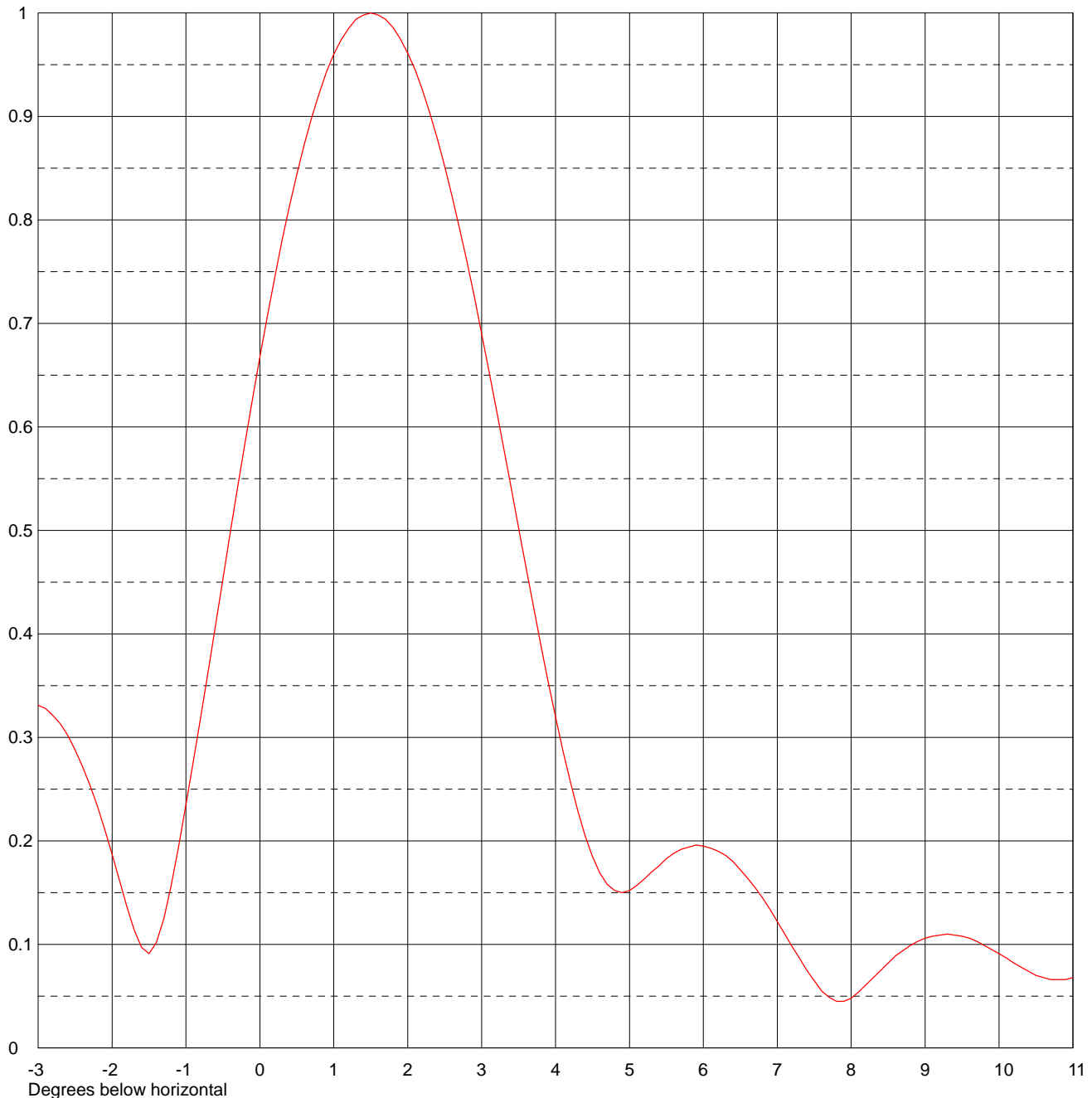
ELEVATION PATTERN

RMS Gain at Main Lobe
RMS Gain at Horizontal
Calculated / Measured

15.5 (11.90 dB)
6.9 (8.39 dB)
Calculated

Beam Tilt
Frequency
Drawing #

1.50 Degrees
575.00 MHz
16L155150



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Channel 31

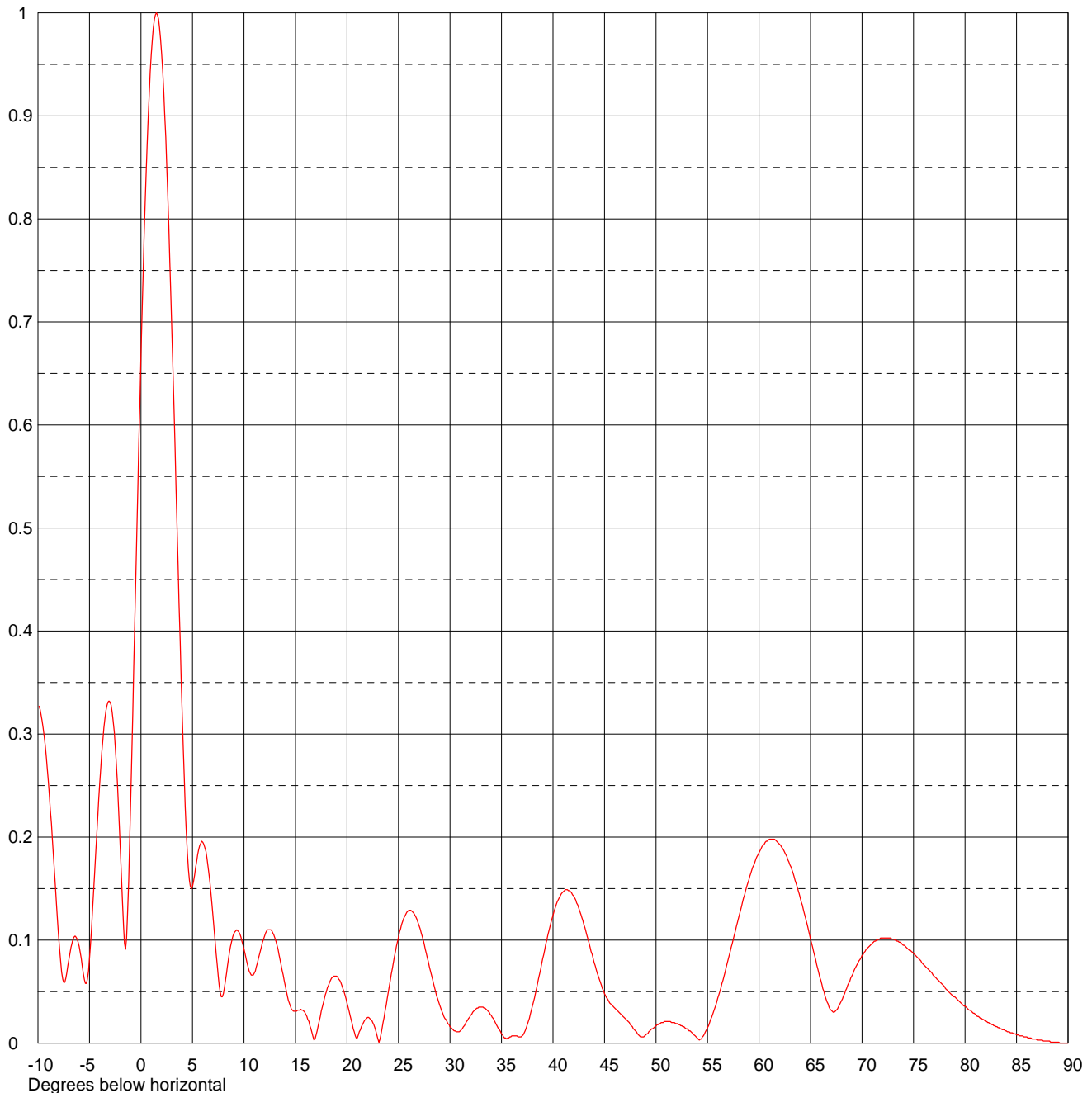
ELEVATION PATTERN

RMS Gain at Main Lobe
RMS Gain at Horizontal
Calculated / Measured

15.5 (11.90 dB)
6.9 (8.39 dB)
Calculated

Beam Tilt
Frequency
Drawing #

1.50 Degrees
575.00 MHz
16L155150-90



Remarks:



Date **31 Jul 2014**
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 Antenna Type **TLP-16B**

Channel **31**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **16L155150**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.329	2.4	0.879	10.6	0.068	30.5	0.012	51.0	0.021	71.5	0.100
-9.5	0.306	2.6	0.823	10.8	0.066	31.0	0.012	51.5	0.020	72.0	0.102
-9.0	0.255	2.8	0.760	11.0	0.068	31.5	0.019	52.0	0.019	72.5	0.102
-8.5	0.182	3.0	0.690	11.5	0.086	32.0	0.027	52.5	0.017	73.0	0.101
-8.0	0.104	3.2	0.617	12.0	0.104	32.5	0.033	53.0	0.014	73.5	0.099
-7.5	0.059	3.4	0.541	12.5	0.110	33.0	0.035	53.5	0.010	74.0	0.095
-7.0	0.081	3.6	0.464	13.0	0.102	33.5	0.033	54.0	0.005	74.5	0.091
-6.5	0.103	3.8	0.390	13.5	0.081	34.0	0.027	54.5	0.006	75.0	0.087
-6.0	0.094	4.0	0.320	14.0	0.056	34.5	0.018	55.0	0.015	75.5	0.082
-5.5	0.062	4.2	0.257	14.5	0.036	35.0	0.009	55.5	0.028	76.0	0.076
-5.0	0.082	4.4	0.205	15.0	0.031	35.5	0.004	56.0	0.044	76.5	0.071
-4.5	0.165	4.6	0.169	15.5	0.033	36.0	0.007	56.5	0.061	77.0	0.065
-4.0	0.253	4.8	0.152	16.0	0.028	36.5	0.007	57.0	0.081	77.5	0.060
-3.5	0.315	5.0	0.152	16.5	0.014	37.0	0.007	57.5	0.101	78.0	0.055
-3.0	0.331	5.2	0.163	17.0	0.008	37.5	0.018	58.0	0.121	78.5	0.049
-2.8	0.321	5.4	0.176	17.5	0.031	38.0	0.036	58.5	0.141	79.0	0.045
-2.6	0.302	5.6	0.188	18.0	0.050	38.5	0.058	59.0	0.158	79.5	0.040
-2.4	0.272	5.8	0.194	18.5	0.063	39.0	0.082	59.5	0.173	80.0	0.036
-2.2	0.234	6.0	0.195	19.0	0.065	39.5	0.105	60.0	0.185	80.5	0.032
-2.0	0.187	6.2	0.190	19.5	0.056	40.0	0.124	60.5	0.193	81.0	0.028
-1.8	0.137	6.4	0.180	20.0	0.039	40.5	0.139	61.0	0.198	81.5	0.024
-1.6	0.097	6.6	0.164	20.5	0.019	41.0	0.147	61.5	0.198	82.0	0.021
-1.4	0.102	6.8	0.145	21.0	0.005	41.5	0.148	62.0	0.193	82.5	0.019
-1.2	0.157	7.0	0.122	21.5	0.018	42.0	0.143	62.5	0.185	83.0	0.016
-1.0	0.235	7.2	0.098	22.0	0.025	42.5	0.131	63.0	0.173	83.5	0.014
-0.8	0.320	7.4	0.075	22.5	0.020	43.0	0.115	63.5	0.158	84.0	0.012
-0.6	0.409	7.6	0.055	23.0	0.004	43.5	0.097	64.0	0.141	84.5	0.010
-0.4	0.498	7.8	0.045	23.5	0.020	44.0	0.078	64.5	0.122	85.0	0.008
-0.2	0.585	8.0	0.048	24.0	0.049	44.5	0.062	65.0	0.101	85.5	0.007
0.0	0.668	8.2	0.061	24.5	0.078	45.0	0.048	65.5	0.081	86.0	0.006
0.2	0.744	8.4	0.075	25.0	0.103	45.5	0.039	66.0	0.061	86.5	0.004
0.4	0.813	8.6	0.089	25.5	0.121	46.0	0.034	66.5	0.043	87.0	0.003
0.6	0.873	8.8	0.099	26.0	0.129	46.5	0.029	67.0	0.032	87.5	0.003
0.8	0.922	9.0	0.106	26.5	0.126	47.0	0.024	67.5	0.032	88.0	0.002
1.0	0.960	9.2	0.109	27.0	0.114	47.5	0.018	68.0	0.041	88.5	0.001
1.2	0.985	9.4	0.109	27.5	0.096	48.0	0.012	68.5	0.053	89.0	0.001
1.4	0.998	9.6	0.106	28.0	0.074	48.5	0.006	69.0	0.065	89.5	0.000
1.6	0.998	9.8	0.099	28.5	0.054	49.0	0.008	69.5	0.076	90.0	0.000
1.8	0.986	10.0	0.091	29.0	0.037	49.5	0.013	70.0	0.085		
2.0	0.961	10.2	0.082	29.5	0.024	50.0	0.017	70.5	0.092		
2.2	0.925	10.4	0.074	30.0	0.016	50.5	0.020	71.0	0.097		

Remarks: