

11-08-2021

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

NEW!

KQNY BLED20100727ACJ

Channel = 220A
 Max ERP = 0.563 kW
 RCAMSL = 1188 m
 N. Lat. 39 14 45.00
 W. Lng. 120 58 00.00
 Protected
 60 dBu

Channel = 220A
 Max ERP = 2.7 kW
 RCAMSL = 1057 m
 N. Lat. 39 56 14.60
 W. Lng. 120 56 52.80
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
301.0	000.0617	0462.8	019.7	195.5	000.0739	-0462.5	069.3	20.74	
302.0	000.0651	0460.7	019.9	195.6	000.0740	-0462.1	068.9	20.81	
303.0	000.0682	0459.9	020.1	195.7	000.0741	-0461.9	068.5	20.89	
304.0	000.0718	0460.4	020.4	195.8	000.0742	-0461.6	068.0	20.97	
305.0	000.0750	0461.6	020.7	195.9	000.0743	-0461.4	067.6	21.05	
306.0	000.0783	0462.0	020.9	196.0	000.0744	-0461.4	067.2	21.13	
307.0	000.0822	0460.4	021.1	196.0	000.0744	-0461.4	066.8	21.21	
308.0	000.0856	0457.9	021.3	196.0	000.0744	-0461.4	066.4	21.29	
309.0	000.0896	0456.2	021.4	196.1	000.0745	-0461.3	066.0	21.37	
310.0	000.0933	0454.7	021.6	196.1	000.0745	-0461.3	065.6	21.44	
311.0	000.0984	0452.2	021.8	196.1	000.0745	-0461.3	065.1	21.53	
312.0	000.1031	0447.5	022.0	196.1	000.0745	-0461.3	064.7	21.60	
313.0	000.1085	0442.0	022.1	196.1	000.0745	-0461.4	064.3	21.68	
314.0	000.1135	0438.8	022.3	196.0	000.0744	-0461.4	063.9	21.75	
315.0	000.1191	0439.0	022.6	196.1	000.0745	-0461.4	063.4	21.85	
316.0	000.1244	0441.3	022.9	196.1	000.0745	-0461.3	062.9	21.95	
317.0	000.1303	0442.9	023.2	196.2	000.0746	-0461.4	062.4	22.05	
318.0	000.1357	0442.2	023.4	196.2	000.0745	-0461.4	062.0	22.13	
319.0	000.1419	0440.7	023.6	196.1	000.0745	-0461.3	061.5	22.22	
320.0	000.1476	0438.6	023.7	196.0	000.0744	-0461.4	061.1	22.31	
321.0	000.1552	0434.3	023.9	196.0	000.0744	-0461.4	060.6	22.39	
322.0	000.1636	0427.6	024.1	195.8	000.0742	-0461.5	060.2	22.47	
323.0	000.1715	0419.5	024.1	195.6	000.0741	-0462.0	059.8	22.54	
324.0	000.1797	0411.4	024.2	195.4	000.0739	-0462.9	059.5	22.60	
325.0	000.1887	0403.3	024.2	195.2	000.0737	-0464.3	059.1	22.67	
326.0	000.1973	0395.5	024.3	195.0	000.0735	-0466.3	058.8	22.73	
327.0	000.2061	0389.0	024.3	194.7	000.0733	-0468.8	058.4	22.79	
328.0	000.2150	0383.3	024.4	194.5	000.0731	-0471.8	058.0	22.86	
329.0	000.2249	0377.1	024.5	194.3	000.0729	-0475.3	057.7	22.92	
330.0	000.2342	0369.4	024.5	194.0	000.0726	-0479.7	057.3	22.97	
331.0	000.2467	0360.8	024.6	193.7	000.0724	-0483.9	057.0	23.02	
332.0	000.2588	0354.3	024.6	193.4	000.0721	-0488.0	056.7	23.08	
333.0	000.2719	0351.8	024.8	193.2	000.0719	-0491.0	056.2	23.16	
334.0	000.2854	0351.2	025.1	193.1	000.0718	-0493.7	055.8	23.26	
335.0	000.2992	0350.0	025.4	192.9	000.0716	-0496.9	055.3	23.35	
336.0	000.3125	0348.3	025.6	192.6	000.0714	-0500.8	054.9	23.43	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
337.0	000.3269	0345.7	025.7	192.4	000.0712	-0505.3	054.5	23.50
338.0	000.3417	0341.0	025.8	192.0	000.0709	-0510.8	054.1	23.55
339.0	000.3558	0334.4	025.8	191.6	000.0705	-0516.7	053.9	23.59
340.0	000.3712	0327.4	025.8	191.2	000.0702	-0521.9	053.6	23.61
341.0	000.3890	0321.6	025.9	190.8	000.0698	-0526.2	053.4	23.65
342.0	000.4074	0317.6	026.0	190.5	000.0695	-0530.0	053.0	23.70
343.0	000.4266	0316.4	026.2	190.2	000.0693	-0533.1	052.6	23.78
344.0	000.4467	0318.1	026.6	189.9	000.0691	-0535.7	052.1	23.88
345.0	000.4677	0321.1	027.0	189.6	000.0691	-0538.4	051.5	24.01
346.0	000.4898	0325.2	027.5	189.3	000.0691	-0541.1	050.9	24.14
347.0	000.5070	0327.3	027.8	189.0	000.0691	-0545.1	050.4	24.25
348.0	000.5309	0325.2	028.0	188.5	000.0691	-0550.0	050.0	24.33
349.0	000.5066	0319.9	027.5	187.8	000.0691	-0560.0	050.4	24.25
350.0	000.4838	0315.1	027.0	187.1	000.0691	-0569.6	050.7	24.18
351.0	000.4642	0310.8	026.5	186.5	000.0691	-0576.4	051.0	24.12
352.0	000.4450	0310.0	026.2	185.9	000.0691	-0582.7	051.2	24.08
353.0	000.4261	0308.5	025.9	185.3	000.0691	-0590.0	051.4	24.04
354.0	000.4077	0307.0	025.6	184.8	000.0691	-0596.9	051.6	23.99
355.0	000.3897	0305.7	025.3	184.2	000.0691	-0601.4	051.9	23.93
356.0	000.3721	0302.5	024.9	183.7	000.0691	-0605.5	052.2	23.86
357.0	000.3549	0294.8	024.3	183.1	000.0691	-0608.1	052.7	23.75
358.0	000.3712	0286.5	024.2	182.7	000.0691	-0609.7	052.7	23.74
359.0	000.3888	0278.1	024.1	182.2	000.0691	-0610.8	052.8	23.73
000.0	000.4077	0270.1	024.1	181.7	000.0691	-0613.2	052.8	23.72
001.0	000.4271	0262.3	024.0	181.3	000.0691	-0617.3	052.9	23.71
002.0	000.4470	0254.5	023.9	180.8	000.0691	-0619.6	053.0	23.69
003.0	000.4683	0247.7	023.9	180.4	000.0691	-0621.7	053.0	23.68
004.0	000.4901	0244.3	024.0	179.9	000.0692	-0624.0	053.0	23.70
005.0	000.5135	0241.5	024.1	179.5	000.0696	-0626.3	052.9	23.75
006.0	000.5374	0236.3	024.1	179.0	000.0700	-0628.5	052.9	23.76
007.0	000.5630	0229.5	024.1	178.6	000.0704	-0630.7	053.0	23.76
008.0	000.5630	0217.2	023.4	178.2	000.0707	-0632.5	053.7	23.63
009.0	000.5630	0199.3	022.5	178.0	000.0709	-0634.3	054.7	23.43
010.0	000.5630	0186.0	021.8	177.7	000.0711	-0635.6	055.4	23.28
011.0	000.5630	0174.6	021.2	177.5	000.0713	-0636.5	056.1	23.15
012.0	000.5630	0173.6	021.2	177.1	000.0716	-0638.3	056.2	23.14
013.0	000.5630	0178.5	021.4	176.7	000.0720	-0640.4	056.1	23.20
014.0	000.5630	0189.3	022.0	176.2	000.0725	-0642.8	055.7	23.32
015.0	000.5630	0199.3	022.5	175.6	000.0730	-0644.5	055.3	23.42
016.0	000.5630	0204.2	022.8	175.1	000.0734	-0644.9	055.2	23.47
017.0	000.5630	0202.0	022.6	174.8	000.0737	-0645.9	055.5	23.43
018.0	000.5630	0194.0	022.2	174.6	000.0739	-0646.2	056.0	23.33
019.0	000.5630	0185.6	021.8	174.4	000.0740	-0646.2	056.5	23.22
020.0	000.5630	0179.3	021.5	174.2	000.0742	-0646.2	057.0	23.14
021.0	000.5630	0175.0	021.3	174.0	000.0744	-0646.1	057.4	23.07
022.0	000.5630	0170.8	021.0	173.8	000.0746	-0645.9	057.7	23.00
023.0	000.5630	0164.8	020.7	173.6	000.0747	-0645.7	058.2	22.91
024.0	000.5630	0156.9	020.2	173.6	000.0748	-0645.6	058.8	22.79
025.0	000.5630	0147.1	019.5	173.6	000.0748	-0645.6	059.6	22.63
026.0	000.5630	0137.4	018.9	173.7	000.0747	-0645.7	060.3	22.48
027.0	000.5630	0130.7	018.4	173.6	000.0747	-0645.7	060.9	22.36

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
028.0	000.5630	0130.5	018.4	173.4	000.0749	-0645.3	061.1	22.33
029.0	000.5630	0137.5	018.9	172.9	000.0754	-0645.0	060.9	22.41
030.0	000.5630	0147.5	019.6	172.2	000.0760	-0646.8	060.5	22.51
031.0	000.5630	0151.5	019.8	171.8	000.0764	-0647.7	060.5	22.53
032.0	000.5630	0149.7	019.7	171.6	000.0765	-0648.2	060.8	22.48
033.0	000.5630	0145.5	019.4	171.6	000.0766	-0648.4	061.3	22.39
034.0	000.5630	0140.0	019.0	171.6	000.0766	-0648.3	061.8	22.29
035.0	000.5630	0132.4	018.5	171.7	000.0765	-0648.0	062.4	22.16
036.0	000.5630	0125.8	018.0	171.8	000.0764	-0647.8	063.0	22.05
037.0	000.5630	0123.4	017.8	171.7	000.0765	-0648.0	063.3	21.99
038.0	000.5630	0126.2	018.1	171.4	000.0768	-0649.0	063.4	21.99
039.0	000.5630	0134.7	018.7	170.8	000.0773	-0650.7	063.2	22.05
040.0	000.5630	0146.3	019.5	170.0	000.0780	-0650.7	062.9	22.14
041.0	000.5630	0152.8	019.9	169.5	000.0785	-0650.1	062.9	22.17
042.0	000.5630	0149.4	019.7	169.5	000.0785	-0650.1	063.3	22.09
043.0	000.5630	0142.1	019.2	169.6	000.0784	-0650.3	063.9	21.98
044.0	000.5630	0137.9	018.9	169.7	000.0783	-0650.3	064.3	21.89
045.0	000.5630	0134.7	018.7	169.7	000.0783	-0650.3	064.7	21.81
046.0	000.5630	0130.4	018.4	169.8	000.0783	-0650.4	065.2	21.73
047.0	000.5630	0125.0	018.0	169.9	000.0781	-0650.5	065.7	21.63
048.0	000.5630	0119.8	017.6	170.0	000.0780	-0650.7	066.1	21.54
049.0	000.5630	0115.1	017.2	170.2	000.0779	-0651.0	066.6	21.45
050.0	000.5630	0109.8	016.8	170.3	000.0777	-0651.2	067.1	21.35
051.0	000.5630	0103.0	016.1	170.7	000.0774	-0650.9	067.6	21.23
052.0	000.5630	0094.3	015.3	171.2	000.0770	-0649.6	068.3	21.09
053.0	000.5630	0086.5	014.6	171.6	000.0766	-0648.4	068.8	20.97
054.0	000.5630	0080.5	014.1	171.9	000.0763	-0647.5	069.3	20.87
055.0	000.5630	0076.5	013.8	172.0	000.0762	-0647.2	069.7	20.79
056.0	000.5630	0071.9	013.4	172.2	000.0760	-0646.8	070.1	20.71
057.0	000.5630	0064.6	012.7	172.6	000.0757	-0645.9	070.5	20.61
058.0	000.5630	0055.9	012.0	173.1	000.0752	-0644.8	071.1	20.49
059.0	000.5630	0047.4	011.0	173.7	000.0747	-0645.8	071.6	20.35
060.0	000.5630	0041.6	010.3	174.2	000.0742	-0646.1	072.1	20.24

11-08-2021

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FMOver Analysis

KQNY BLED20100727ACJ

NEW!

Channel = 220A

Max ERP = 2.7 kW

RCAMSL = 1057 m

N. Lat. 39 56 14.60

W. Lng. 120 56 52.80

Protected

60 dBu

Channel = 220A

Max ERP = 0.563 kW

RCAMSL = 1188 m

N. Lat. 39 14 45.00

W. Lng. 120 58 00.00

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
121.0	000.5964	-0311.5	008.9	007.3	000.5630	0227.3	072.9	39.42	
122.0	000.5713	-0304.5	008.8	007.2	000.5630	0228.4	072.8	39.49	
123.0	000.5467	-0304.3	008.7	007.0	000.5630	0229.3	072.7	39.56	
124.0	000.5227	-0311.1	008.6	006.9	000.5605	0230.2	072.6	39.60	
125.0	000.4992	-0324.2	008.5	006.8	000.5572	0231.0	072.5	39.63	
126.0	000.4763	-0339.2	008.4	006.6	000.5538	0231.8	072.4	39.66	
127.0	000.4539	-0354.3	008.3	006.5	000.5504	0232.7	072.4	39.69	
128.0	000.4320	-0367.0	008.2	006.4	000.5470	0233.6	072.3	39.72	
129.0	000.4107	-0376.0	008.1	006.2	000.5435	0234.6	072.2	39.74	
130.0	000.3899	-0382.0	007.9	006.1	000.5401	0235.6	072.2	39.77	
131.0	000.3716	-0386.5	007.8	006.0	000.5369	0236.4	072.1	39.79	
132.0	000.3538	-0391.2	007.7	005.9	000.5338	0237.3	072.1	39.81	
133.0	000.3364	-0395.7	007.6	005.7	000.5307	0238.1	072.0	39.83	
134.0	000.3195	-0401.2	007.5	005.6	000.5276	0238.9	072.0	39.85	
135.0	000.3030	-0406.4	007.4	005.5	000.5245	0239.6	072.0	39.86	
136.0	000.2869	-0408.8	007.3	005.3	000.5215	0240.2	071.9	39.87	
137.0	000.2713	-0406.3	007.2	005.2	000.5185	0240.8	071.9	39.87	
138.0	000.2561	-0401.7	007.1	005.1	000.5154	0241.3	071.9	39.87	
139.0	000.2414	-0396.3	007.0	005.0	000.5123	0241.7	071.9	39.86	
140.0	000.2271	-0388.8	006.9	004.8	000.5093	0242.2	071.8	39.86	
141.0	000.2162	-0381.5	006.8	004.7	000.5066	0242.6	071.8	39.86	
142.0	000.2057	-0382.4	006.8	004.6	000.5039	0243.0	071.8	39.85	
143.0	000.1954	-0399.3	006.7	004.5	000.5012	0243.3	071.8	39.85	
144.0	000.1853	-0426.6	006.6	004.4	000.4985	0243.7	071.8	39.84	
145.0	000.1756	-0455.6	006.5	004.2	000.4958	0243.9	071.8	39.83	
146.0	000.1661	-0481.7	006.4	004.1	000.4931	0244.2	071.8	39.81	
147.0	000.1568	-0503.3	006.3	004.0	000.4905	0244.3	071.8	39.79	
148.0	000.1478	-0521.3	006.2	003.9	000.4880	0244.3	071.8	39.76	
149.0	000.1391	-0537.7	006.1	003.8	000.4854	0244.3	071.8	39.74	
150.0	000.1307	-0550.2	006.0	003.7	000.4829	0244.3	071.8	39.71	
151.0	000.1260	-0561.4	006.0	003.6	000.4809	0244.5	071.8	39.70	
152.0	000.1213	-0571.2	005.9	003.5	000.4789	0244.7	071.8	39.69	
153.0	000.1168	-0574.9	005.9	003.4	000.4768	0245.0	071.8	39.69	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
154.0	000.1124	-0568.5	005.8	003.3	000.4748	0245.5	071.8	39.69
155.0	000.1080	-0556.6	005.7	003.2	000.4728	0246.2	071.8	39.69
156.0	000.1037	-0551.5	005.7	003.1	000.4708	0246.8	071.8	39.69
157.0	000.0995	-0559.7	005.6	003.0	000.4689	0247.5	071.8	39.69
158.0	000.0954	-0576.8	005.6	002.9	000.4669	0248.1	071.8	39.69
159.0	000.0914	-0592.3	005.5	002.8	000.4649	0248.7	071.8	39.69
160.0	000.0875	-0604.2	005.4	002.8	000.4630	0249.3	071.9	39.68
161.0	000.0865	-0612.8	005.4	002.7	000.4614	0249.8	071.8	39.69
162.0	000.0855	-0618.1	005.4	002.6	000.4598	0250.3	071.8	39.70
163.0	000.0846	-0621.3	005.4	002.5	000.4582	0250.7	071.8	39.70
164.0	000.0836	-0624.2	005.4	002.5	000.4566	0251.2	071.8	39.71
165.0	000.0827	-0627.0	005.4	002.4	000.4550	0251.7	071.8	39.72
166.0	000.0817	-0630.8	005.4	002.3	000.4534	0252.2	071.7	39.72
167.0	000.0808	-0636.4	005.3	002.2	000.4519	0252.7	071.7	39.73
168.0	000.0799	-0642.6	005.3	002.2	000.4503	0253.3	071.7	39.73
169.0	000.0790	-0649.1	005.3	002.1	000.4487	0253.9	071.7	39.74
170.0	000.0780	-0650.7	005.3	002.0	000.4471	0254.4	071.7	39.74
171.0	000.0771	-0650.0	005.3	001.9	000.4456	0255.0	071.7	39.75
172.0	000.0762	-0647.2	005.3	001.9	000.4441	0255.6	071.7	39.75
173.0	000.0753	-0644.8	005.2	001.8	000.4426	0256.2	071.7	39.76
174.0	000.0744	-0646.1	005.2	001.7	000.4411	0256.7	071.7	39.76
175.0	000.0735	-0645.4	005.2	001.6	000.4397	0257.3	071.7	39.76
176.0	000.0726	-0643.4	005.2	001.6	000.4382	0257.9	071.7	39.77
177.0	000.0717	-0639.1	005.2	001.5	000.4367	0258.4	071.7	39.77
178.0	000.0709	-0634.2	005.2	001.4	000.4353	0259.0	071.8	39.77
179.0	000.0700	-0628.5	005.1	001.3	000.4339	0259.6	071.8	39.77
180.0	000.0691	-0623.6	005.1	001.3	000.4325	0260.1	071.8	39.77
181.0	000.0691	-0618.8	005.1	001.2	000.4310	0260.7	071.8	39.77
182.0	000.0691	-0611.5	005.1	001.1	000.4296	0261.3	071.8	39.78
183.0	000.0691	-0608.6	005.1	001.1	000.4282	0261.8	071.8	39.78
184.0	000.0691	-0603.1	005.1	001.0	000.4268	0262.4	071.8	39.78
185.0	000.0691	-0594.1	005.1	000.9	000.4254	0262.9	071.8	39.78
186.0	000.0691	-0581.4	005.1	000.8	000.4240	0263.5	071.8	39.79
187.0	000.0691	-0571.0	005.1	000.8	000.4227	0264.0	071.8	39.79
188.0	000.0691	-0557.1	005.1	000.7	000.4213	0264.6	071.8	39.79
189.0	000.0691	-0544.7	005.1	000.6	000.4199	0265.2	071.8	39.79
190.0	000.0691	-0534.6	005.1	000.6	000.4185	0265.7	071.8	39.79
191.0	000.0700	-0524.4	005.1	000.5	000.4171	0266.3	071.8	39.79
192.0	000.0709	-0511.3	005.2	000.4	000.4157	0266.9	071.8	39.79
193.0	000.0717	-0494.8	005.2	000.3	000.4143	0267.4	071.8	39.80
194.0	000.0726	-0479.6	005.2	000.3	000.4129	0268.0	071.8	39.80
195.0	000.0735	-0466.0	005.2	000.2	000.4115	0268.6	071.9	39.80
196.0	000.0744	-0461.4	005.2	000.1	000.4100	0269.2	071.9	39.80
197.0	000.0753	-0462.0	005.2	000.0	000.4086	0269.8	071.9	39.80
198.0	000.0762	-0457.6	005.3	360.0	000.4072	0270.3	071.9	39.80
199.0	000.0771	-0446.7	005.3	359.9	000.4058	0270.9	071.9	39.80
200.0	000.0780	-0435.2	005.3	359.8	000.4044	0271.5	071.9	39.80
201.0	000.0799	-0430.1	005.3	359.7	000.4029	0272.1	071.9	39.80
202.0	000.0817	-0430.9	005.4	359.7	000.4014	0272.8	071.9	39.80
203.0	000.0836	-0436.5	005.4	359.6	000.3999	0273.3	071.9	39.80
204.0	000.0855	-0441.2	005.4	359.5	000.3985	0274.0	071.9	39.80

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
205.0	000.0875	-0444.2	005.4	359.4	000.3970	0274.5	072.0	39.80
206.0	000.0894	-0445.3	005.5	359.4	000.3955	0275.1	072.0	39.80
207.0	000.0914	-0446.0	005.5	359.3	000.3940	0275.8	072.0	39.80
208.0	000.0934	-0449.9	005.5	359.2	000.3925	0276.4	072.0	39.80
209.0	000.0954	-0461.0	005.6	359.1	000.3910	0277.1	072.0	39.80
210.0	000.0975	-0479.4	005.6	359.0	000.3895	0277.8	072.0	39.79
211.0	000.1037	-0495.8	005.7	358.9	000.3876	0278.7	072.0	39.81
212.0	000.1102	-0506.6	005.8	358.8	000.3858	0279.6	072.0	39.82
213.0	000.1168	-0515.4	005.9	358.7	000.3840	0280.4	072.0	39.83
214.0	000.1236	-0524.9	005.9	358.6	000.3821	0281.3	072.0	39.84
215.0	000.1307	-0532.3	006.0	358.5	000.3803	0282.2	072.0	39.85
216.0	000.1379	-0535.5	006.1	358.4	000.3784	0283.1	072.0	39.86
217.0	000.1453	-0535.1	006.2	358.3	000.3765	0284.0	072.0	39.87
218.0	000.1529	-0531.2	006.3	358.2	000.3746	0284.9	072.0	39.87
219.0	000.1607	-0525.1	006.3	358.1	000.3727	0285.8	072.0	39.88
220.0	000.1688	-0518.5	006.4	358.0	000.3709	0286.7	072.0	39.88
221.0	000.1742	-0512.2	006.5	357.9	000.3694	0287.4	072.0	39.87
222.0	000.1797	-0506.0	006.5	357.8	000.3678	0288.2	072.1	39.86
223.0	000.1853	-0499.7	006.6	357.7	000.3663	0289.0	072.1	39.86
224.0	000.1910	-0492.7	006.6	357.6	000.3648	0289.8	072.2	39.85
225.0	000.1968	-0485.0	006.7	357.5	000.3633	0290.5	072.2	39.84
226.0	000.2027	-0478.1	006.7	357.4	000.3618	0291.3	072.3	39.82
227.0	000.2087	-0472.1	006.8	357.3	000.3603	0292.1	072.3	39.81
228.0	000.2147	-0467.1	006.8	357.2	000.3589	0292.8	072.4	39.80
229.0	000.2208	-0461.4	006.9	357.2	000.3575	0293.5	072.5	39.78
230.0	000.2271	-0455.8	006.9	357.1	000.3560	0294.2	072.5	39.76
231.0	000.2366	-0450.5	007.0	357.0	000.3555	0295.1	072.6	39.76
232.0	000.2463	-0445.9	007.1	356.9	000.3572	0296.0	072.6	39.79
233.0	000.2561	-0442.5	007.1	356.8	000.3590	0296.9	072.7	39.83
234.0	000.2662	-0441.0	007.2	356.7	000.3607	0297.9	072.8	39.85
235.0	000.2765	-0441.7	007.3	356.6	000.3624	0298.8	072.8	39.88
236.0	000.2869	-0442.7	007.3	356.5	000.3640	0299.6	072.9	39.90
237.0	000.2976	-0442.2	007.4	356.4	000.3657	0300.4	073.0	39.92
238.0	000.3085	-0439.6	007.5	356.3	000.3673	0301.0	073.1	39.93
239.0	000.3195	-0436.7	007.5	356.2	000.3689	0301.6	073.2	39.94
240.0	000.3307	-0433.1	007.6	356.1	000.3706	0302.1	073.3	39.94