11-01-2021 Terrain Data: GLOBE 30 Sec FMOver Analysis

NEW! WMUM-FM BLED20080429AAG

Channel = 209C2
Max ERP = 49.5 kW
RCAMSL = 153.6 m
N. Lat. 30 42 07.80
W. Lng. 83 06 53.50
Protected
60 dBu

Channel = 209C0
Max ERP = 100 kW
RCAMSL = 408.6 m
N. Lat. 32 28 11.60
W. Lng. 83 15 16.60
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
296.0	025.8036	0091.1	037.8	186.5	100.0000	0306.1	181.2	38.46	
297.0	024.6726	0091.1	037.4	186.4	100.0000	0306.1	180.7	38.55	
298.0	023.4987	0090.8	037.0	186.2	100.0000	0306.2	180.2	38.64	
299.0	022.4867	0090.4	036.6	185.9	100.0000	0306.3	179.8	38.72	
300.0	021.4317	0089.8	036.1	185.7	100.0000	0306.3	179.4	38.79	
301.0	020.4657	0089.2	035.6	185.5	100.0000	0306.4	179.1	38.86	
302.0	019.5842	0088.5	035.1	185.3	100.0000	0306.4	178.7	38.92	
303.0	018.6613	0088.1	034.7	185.1	100.0000	0306.4	178.4	38.98	
304.0	017.8795	0088.1	034.3	184.9	100.0000	0306.4	178.0	39.05	
305.0	017.0562	0088.5	034.0	184.7	100.0000	0306.4	177.6	39.12	
306.0	016.2523	0089.0	033.7	184.5	100.0000	0306.5	177.3	39.19	
307.0	015.5232	0089.2	033.4	184.3	100.0000	0306.5	176.9	39.25	
308.0	014.8650	0089.1	033.1	184.1	100.0000	0306.5	176.7	39.30	
309.0	014.1681	0088.8	032.6	183.9	100.0000	0306.5	176.4	39.34	
310.0	013.5397	0088.6	032.2	183.7	100.0000	0306.6	176.2	39.38	
311.0	012.9255	0088.7	031.9	183.5	100.0000	0306.6	176.0	39.42	
312.0	012.3256	0089.1	031.6	183.3	100.0000	0306.7	175.7	39.47	
313.0	011.7881	0090.1	031.4	183.2	100.0000	0306.7	175.4	39.53	
314.0	011.2627	0091.3	031.3	183.0	100.0000	0306.8	175.0	39.59	
315.0	010.7492	0092.7	031.2	182.9	100.0000	0306.8	174.7	39.65	
316.0	010.2928	0093.7	031.0	182.7	100.0000	0306.9	174.4	39.70	
317.0	009.8022	0094.3	030.8	182.5	100.0000	0307.0	174.2	39.74	
318.0	009.3666	0094.4	030.5	182.3	100.0000	0307.1	174.1	39.77	
319.0	008.9409	0094.0	030.1	182.1	100.0000	0307.2	174.0	39.79	
320.0	008.5251	0093.5	029.7	181.9	100.0000	0307.4	173.9	39.80	
321.0	008.1996	0093.6	029.4	181.7	100.0000	0307.5	173.8	39.83	
322.0	007.8410	0094.1	029.2	181.5	100.0000	0307.6	173.6	39.86	
323.0	007.4904	0094.6	029.0	181.4	100.0000	0307.7	173.5	39.89	
324.0	007.1855	0094.8	028.7	181.2	100.0000	0307.8	173.3	39.91	
325.0	006.8869	0094.8	028.5	181.0	100.0000	0307.9	173.3	39.92	
326.0	006.5586	0094.6	028.1	180.8	100.0000	0308.0	173.3	39.93	
327.0	006.2734	0094.2	027.8	180.6	100.0000	0308.1	173.3	39.93	
328.0	005.9602	0093.8	027.4	180.4	100.0000	0308.2	173.3	39.93	
329.0	005.6886	0093.6	027.1	180.2	100.0000	0308.3	173.3	39.92	
330.0	005.3906	0093.6	026.8	180.0	100.0000	0308.4	173.4	39.92	
331.0	005.2284	0093.6	026.6	179.9	100.0000	0308.5	173.3	39.93	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
332.0	005.0372	0093.6	026.4	179.7	100.0000	0308.5	173.3	39.94
333.0	004.8805	0093.6	026.2	179.5	100.0000	0308.4	173.2	39.94
334.0	004.6958	0093.6	026.0	179.4	100.0000	0308.4	173.2	39.94
335.0	004.5445	0093.7	025.8	179.2	100.0000	0308.4	173.2	39.95
336.0	004.3958	0093.9	025.6	179.0	100.0000	0308.3	173.2	39.95
337.0	004.2206	0094.1	025.4	178.9	100.0000	0308.3	173.2	39.95
338.0	004.0773	0094.3	025.2	178.7	100.0000	0308.2	173.2	39.95
339.0	003.9086	0094.4	025.0	178.6	100.0000	0308.2	173.2	39.94
340.0	003.7707	0094.3	024.8	178.4	100.0000	0308.2	173.3	39.92
341.0	003.7163	0094.1	024.7	178.3	100.0000	0308.1	173.3	39.93
342.0	003.6622	0094.0	024.6	178.1	100.0000	0308.1	173.2	39.94
343.0	003.6086	0093.9	024.5	178.0	100.0000	0308.1	173.2	39.94
344.0	003.5553	0093.7	024.4	177.8	100.0000	0308.0	173.2	39.94
345.0	003.5024	0093.8	024.3	177.7	100.0000	0308.0	173.2	39.94
346.0	003.4239	0094.3	024.3	177.5	100.0000	0308.0	173.1	39.95
347.0	003.3720	0095.1	024.3	177.4	100.0000	0307.9	173.1	39.96
348.0	003.3205	0095.8	024.3	177.3	100.0000	0307.9	173.0	39.97
349.0	003.2694	0095.7	024.2	177.1	100.0000	0307.9	173.0	39.97
350.0	003.2187	0095.2	024.0	177.0	100.0000	0307.8	173.1	39.95
351.0	003.1935	0094.7	023.9	176.8	100.0000	0307.8	173.2	39.94
352.0	003.1434	0094.6	023.8	176.7	100.0000	0307.7	173.2	39.93
353.0	003.1185	0094.6	023.8	176.5	100.0000	0307.7	173.2	39.93
354.0	003.0938	0094.8	023.8	176.4	100.0000	0307.7	173.2	39.93
355.0	003.0444	0094.8	023.7	176.3	100.0000	0307.8	173.3	39.92
356.0	003.0199	0094.6	023.6	176.1	100.0000	0307.8	173.4	39.91
357.0	002.9955	0094.4	023.6	176.0	100.0000	0307.8	173.4	39.90
358.0	002.9712	0094.2	023.5	175.9	100.0000	0307.9	173.5	39.88
359.0	002.9229	0093.8	023.3	175.7	100.0000	0307.9	173.7	39.85
000.0	002.8989	0093.4	023.3	175.6	100.0000	0307.9	173.8	39.83
001.0	002.9712	0093.0	023.3	175.5	100.0000	0307.9	173.7	39.84
002.0	003.0444	0092.9	023.5	175.3	100.0000	0308.0	173.7	39.86
003.0	003.1185	0092.9	023.6	175.2	100.0000	0308.0	173.6	39.87
004.0	003.1935	0093.0	023.7	175.0	100.0000	0308.0	173.5	39.89
005.0	003.2694	0092.5	023.8	174.9	100.0000	0308.0	173.5	39.88
006.0	003.3205	0091.9	023.8	174.8	100.0000	0308.0	173.6	39.87
007.0	003.3979	0091.6	023.9	174.6	100.0000	0308.0	173.6	39.87
008.0	003.4761	0091.6	024.0	174.5	100.0000	0308.0	173.5	39.88
009.0	003.5553	0091.9	024.2	174.3	100.0000	0308.0	173.5	39.89
010.0	003.6353	0092.3	024.3	174.2	100.0000	0308.0	173.4	39.90
011.0	003.7434	0092.8	024.6	174.0	100.0000	0308.0	173.3	39.91
012.0	003.8531	0093.2	024.8	173.9	100.0000	0308.0	173.3	39.93
013.0	003.9364	0093.7	025.0	173.7	100.0000	0308.1	173.2	39.94
014.0	004.0489	0094.3	025.2	173.6	100.0000	0308.1	173.2	39.95
015.0	004.1629	0095.0	025.4	173.4	100.0000	0308.2	173.1	39.96
016.0	004.2786	0095.5	025.7	173.2	100.0000	0308.2	173.1	39.97
017.0	004.3958	0095.7	025.8	173.1	100.0000	0308.3	173.1	39.97
018.0	004.4847	0095.7	026.0	172.9	100.0000	0308.3	173.1	39.95
019.0	004.6047	0095.6	026.1	172.8	100.0000	0308.3	173.2	39.94
020.0	004.7263	0095.5	026.3	172.6	100.0000	0308.3	173.3	39.93
021.0	004.9742	0095.5	026.5	172.4	100.0000	0308.3	173.2	39.94
022.0	005.2284	0095.4	026.8	172.2	100.0000	0308.4	173.2	39.94

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
023.0	005.4890	0095.1	027.1	172.1	100.0000	0308.4	173.2	39.94
024.0	005.7559	0094.8	027.3	171.9	100.0000	0308.4	173.3	39.93
025.0	006.0291	0094.6	027.6	171.7	100.0000	0308.5	173.3	39.93
026.0	006.3087	0094.7	027.9	171.5	100.0000	0308.5	173.3	39.92
027.0	006.5946	0095.1	028.2	171.3	100.0000	0308.6	173.3	39.92
028.0	006.8869	0095.6	028.6	171.1	100.0000	0308.6	173.4	39.92
029.0	007.1855	0095.8	028.9	170.9	100.0000	0308.6	173.4	39.91
030.0	007.4904	0096.1	029.2	170.7	100.0000	0308.6	173.5	39.90
031.0	007.8804	0096.4	029.6	170.5	100.0000	0308.7	173.5	39.90
032.0	008.2804	0096.9	030.0	170.3	100.0000	0308.7	173.5	39.89
033.0	008.6903	0097.6	030.4	170.1	100.0000	0308.8	173.6	39.89
034.0	009.1100	0098.5	030.9	169.8	100.0000	0308.9	173.6	39.89
035.0	009.5832	0099.2	031.4	169.6	100.0000	0309.1	173.6	39.88
036.0	010.0237	0100.0	031.9	169.4	100.0000	0309.2	173.7	39.87
037.0	010.4742	0101.0	032.4	169.1	100.0000	0309.4	173.8	39.87
038.0	010.9345	0102.2	032.9	168.9	100.0000	0309.5	173.8	39.86
039.0	011.4048	0103.3	033.4	168.6	100.0000	0309.7	174.0	39.84
040.0	011.8850	0103.8	033.8	168.4	100.0000	0309.9	174.2	39.81
041.0	012.5239	0103.8	034.2	168.2	100.0000	0310.1	174.4	39.77
042.0	013.1286	0103.4	034.5	168.0	100.0000	0310.3	174.7	39.72
043.0	013.7998	0102.7	034.8	167.8	100.0000	0310.4	175.0	39.67
044.0	014.4342	0102.1	035.1	167.6	100.0000	0310.5	175.4	39.61
045.0	015.1375	0101.5	035.4	167.4	100.0000	0310.6	175.7	39.55
046.0	015.8576	0100.9	035.6	167.2	100.0000	0310.7	176.1	39.48
047.0	016.5372	0100.3	035.9	167.0	100.0000	0310.8	176.5	39.41
048.0	017.2894	0100.3	036.2	166.9	100.0000	0310.9	176.9	39.34
049.0	017.9986	0100.8	036.6	166.6	100.0000	0310.9	177.3	39.27
050.0	018.7831	0101.4	037.0	166.4	100.0000	0311.0	177.6	39.21
051.0	019.6465	0101.6	037.4	166.2	100.0000	0311.0	178.1	39.13
052.0	020.5932	0101.4	037.8	166.0	100.0000	0311.0	178.5	39.05
053.0	021.5622	0100.8	038.0	165.9	100.0000	0311.0	179.0	38.96
054.0	022.5534	0100.2	038.3	165.7	100.0000	0311.0	179.5	38.86
055.0	023.6353	0099.8	038.6	165.5	100.0000	0311.0	180.0	38.76

11-01-2021 Terrain Data: GLOBE 30 Sec FMOver Analysis

WMUM-FM BLED20080429AAG

Channel = 209C0
Max ERP = 100 kW
RCAMSL = 408.6 m
N. Lat. 32 28 11.60
W. Lng. 83 15 16.60
Protected
60 dBu

NEW!

Channel = 209C2
Max ERP = 49.5 kW
RCAMSL = 153.6 m
N. Lat. 30 42 07.80
W. Lng. 83 06 53.50
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
116.0	100.0000	0311.3	073.2	017.8	004.4643	0095.7	172.6	21.76	
117.0	100.0000	0310.9	073.2	017.7	004.4577	0095.7	171.3	21.99	
118.0	100.0000	0310.2	073.2	017.6	004.4496	0095.7	170.1	22.20	
119.0	100.0000	0309.3	073.1	017.5	004.4402	0095.7	168.8	22.42	
120.0	100.0000	0308.4	073.0	017.4	004.4299	0095.7	167.6	22.63	
121.0	100.0000	0307.7	073.0	017.3	004.4195	0095.7	166.4	22.85	
122.0	100.0000	0307.1	072.9	017.1	004.4086	0095.7	165.2	23.06	
123.0	100.0000	0306.7	072.9	017.0	004.3971	0095.7	163.9	23.27	
124.0	100.0000	0306.0	072.8	016.9	004.3806	0095.7	162.7	23.47	
125.0	100.0000	0305.0	072.8	016.7	004.3615	0095.6	161.5	23.67	
126.0	100.0000	0303.7	072.7	016.5	004.3405	0095.6	160.4	23.86	
127.0	100.0000	0302.5	072.6	016.3	004.3184	0095.6	159.2	24.04	
128.0	100.0000	0301.4	072.5	016.1	004.2956	0095.5	158.1	24.22	
129.0	100.0000	0300.4	072.4	015.9	004.2722	0095.5	156.9	24.39	
130.0	100.0000	0299.5	072.3	015.7	004.2478	0095.4	155.8	24.55	
131.0	100.0000	0298.7	072.3	015.5	004.2227	0095.3	154.7	24.71	
132.0	100.0000	0298.2	072.2	015.3	004.1974	0095.2	153.6	24.87	
133.0	100.0000	0298.2	072.2	015.1	004.1722	0095.0	152.5	25.02	
134.0	100.0000	0298.4	072.3	014.9	004.1468	0094.9	151.3	25.18	
135.0	100.0000	0298.7	072.3	014.6	004.1204	0094.7	150.2	25.33	
136.0	100.0000	0298.9	072.3	014.4	004.0926	0094.6	149.1	25.48	
137.0	100.0000	0299.2	072.3	014.1	004.0636	0094.4	148.1	25.63	
138.0	100.0000	0299.4	072.3	013.9	004.0337	0094.3	147.0	25.77	
139.0	100.0000	0299.7	072.4	013.6	004.0024	0094.1	146.0	25.92	
140.0	100.0000	0299.7	072.4	013.3	003.9697	0093.9	144.9	26.06	
141.0	100.0000	0299.7	072.4	013.0	003.9358	0093.7	143.9	26.20	
142.0	100.0000	0300.0	072.4	012.7	003.9099	0093.5	142.9	26.35	
143.0	100.0000	0300.3	072.4	012.4	003.8833	0093.3	142.0	26.50	
144.0	100.0000	0300.5	072.4	012.0	003.8555	0093.2	141.0	26.64	
145.0	100.0000	0300.3	072.4	011.7	003.8174	0093.0	140.1	26.77	
146.0	100.0000	0300.4	072.4	011.3	003.7779	0092.9	139.2	26.90	
147.0	100.0000	0300.8	072.4	011.0	003.7384	0092.8	138.3	27.02	
148.0	100.0000	0301.5	072.5	010.6	003.6983	0092.6	137.4	27.15	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
149.0	100.0000	0302.1	072.5	010.2	003.6573	0092.4	136.5	27.26
150.0	100.0000	0302.8	072.6	009.8	003.6202	0092.2	135.6	27.38
151.0	100.0000	0303.4	072.6	009.4	003.5878	0092.1	134.8	27.50
152.0	100.0000	0304.0	072.7	009.0	003.5546	0091.9	134.0	27.61
153.0	100.0000	0304.5	072.7	008.6	003.5204	0091.8	133.2	27.72
154.0	100.0000	0304.8	072.7	008.1	003.4853	0091.6	132.4	27.81
155.0	100.0000	0304.7	072.7	007.7	003.4490	0091.5	131.8	27.89
156.0	100.0000	0304.4	072.7	007.2	003.4118	0091.5	131.1	27.97
157.0	100.0000	0304.1	072.7	006.7	003.3741	0091.7	130.5	28.04
158.0	100.0000	0304.1	072.7	006.2	003.3362	0091.8	129.9	28.12
159.0	100.0000	0304.5	072.7	005.7	003.3058	0092.1	129.3	28.20
160.0	100.0000	0305.6	072.8	005.2	003.2807	0092.3	128.6	28.29
161.0	100.0000	0307.2	072.9	004.7	003.2485	0092.6	128.0	28.37
162.0	100.0000	0308.6	073.0	004.2	003.2100	0092.9	127.4	28.44
163.0	100.0000	0309.7	073.1	003.7	003.1706	0093.0	126.9	28.49
164.0	100.0000	0310.4	073.2	003.2	003.1305	0092.9	126.4	28.52
165.0	100.0000	0310.9	073.2	002.6	003.0899	0092.9	125.9	28.54
166.0	100.0000	0311.0	073.2	002.1	003.0488	0092.9	125.6	28.55
167.0	100.0000	0310.8	073.2	001.5	003.0073	0093.0	125.2	28.55
168.0	100.0000	0310.2	073.2	000.9	002.9654	0093.0	125.0	28.53
169.0	100.0000	0309.4	073.1	000.3	002.9236	0093.2	124.8	28.51
170.0	100.0000	0308.8	073.0	359.8	002.9046	0093.5	124.6	28.53
171.0	100.0000	0308.6	073.0	359.2	002.9186	0093.7	124.4	28.59
172.0	100.0000	0308.4	073.0	358.6	002.9423	0093.9	124.3	28.66
173.0	100.0000	0308.3	073.0	358.0	002.9706	0094.2	124.1	28.73
174.0	100.0000	0308.0	073.0	357.4	002.9852	0094.4	124.1	28.77
175.0	100.0000	0308.0	073.0	356.8	002.9995	0094.5	124.0	28.80
176.0	100.0000	0307.8	073.0	356.2	003.0139	0094.5	124.0	28.82
177.0	100.0000	0307.8	073.0	355.7	003.0283	0094.6	124.0	28.85
178.0	100.0000	0308.1	073.0	355.1	003.0427	0094.7	124.1	28.86
179.0	100.0000	0308.3	073.0	354.5	003.0698	0094.8	124.1	28.89
180.0	100.0000	0308.4	073.0	353.9	003.0963	0094.8	124.2	28.91
181.0	100.0000	0307.8	073.0	353.3	003.1106	0094.7	124.4	28.89
182.0	100.0000	0307.3	072.9	352.7	003.1250	0094.6	124.7	28.87
183.0	100.0000	0306.8	072.9	352.2	003.1392	0094.6	124.9	28.84
184.0	100.0000	0306.5	072.9	351.6	003.1634	0094.6	125.2	28.83
185.0	100.0000	0306.4	072.9	351.0	003.1918	0094.7	125.5	28.82
186.0	100.0000	0306.2	072.9	350.5	003.2067	0094.9	125.8	28.79
187.0	100.0000	0306.1	072.8	349.9	003.2226	0095.2	126.2	28.75
188.0	100.0000	0306.0	072.8	349.4	003.2503	0095.5	126.6	28.72
189.0	100.0000	0305.6	072.8	348.8	003.2776	0095.7	127.0	28.69
190.0	100.0000	0304.8	072.7	348.3	003.3044	0095.8	127.6	28.63
191.0	100.0000	0304.0	072.7	347.8	003.3308	0095.7	128.1	28.56
192.0	100.0000	0303.6	072.7	347.3	003.3571	0095.4	128.6	28.49
193.0	100.0000	0303.6	072.7	346.8	003.3834	0094.9	129.2	28.41
194.0	100.0000	0303.3	072.6	346.3	003.4091	0094.5	129.8	28.31
195.0	100.0000	0302.7	072.6	345.8	003.4393	0094.2	130.4	28.22
196.0	100.0000	0302.3	072.6	345.3	003.4765	0093.9	131.1	28.13
197.0	100.0000	0302.3	072.6	344.9	003.5098	0093.7	131.8	28.04
198.0	100.0000	0302.2	072.6	344.4	003.5342	0093.7	132.4	27.94
199.0	100.0000	0302.0	072.5	344.0	003.5579	0093.7	133.2	27.83

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
200.0	100.0000	0301.4	072.5	343.5	003.5806	0093.8	134.0	27.71
201.0	100.0000	0300.7	072.4	343.1	003.6028	0093.9	134.8	27.58
202.0	100.0000	0300.3	072.4	342.7	003.6247	0094.0	135.6	27.45
203.0	100.0000	0300.5	072.4	342.3	003.6468	0094.0	136.4	27.32
204.0	100.0000	0300.9	072.5	341.9	003.6686	0094.0	137.2	27.19
205.0	100.0000	0301.2	072.5	341.5	003.6899	0094.1	138.0	27.05
206.0	100.0000	0301.3	072.5	341.1	003.7102	0094.1	138.9	26.91
207.0	100.0000	0301.2	072.5	340.8	003.7298	0094.2	139.8	26.75
208.0	100.0000	0301.1	072.5	340.4	003.7488	0094.2	140.8	26.60
209.0	100.0000	0301.2	072.5	340.1	003.7676	0094.3	141.7	26.44
210.0	100.0000	0301.5	072.5	339.7	003.8090	0094.3	142.6	26.32
211.0	100.0000	0301.8	072.5	339.4	003.8541	0094.4	143.6	26.19
212.0	100.0000	0302.0	072.5	339.1	003.8974	0094.4	144.6	26.05
213.0	100.0000	0301.9	072.5	338.8	003.9443	0094.4	145.6	25.92
214.0	100.0000	0301.5	072.5	338.5	003.9905	0094.3	146.7	25.79
215.0	100.0000	0300.8	072.4	338.3	004.0338	0094.3	147.8	25.64
216.0	100.0000	0299.9	072.4	338.0	004.0747	0094.3	148.9	25.50
217.0	100.0000	0299.0	072.3	337.8	004.1075	0094.2	150.0	25.34
218.0	100.0000	0298.1	072.2	337.6	004.1387	0094.2	151.1	25.18
219.0	100.0000	0297.4	072.2	337.4	004.1691	0094.2	152.2	25.03
220.0	100.0000	0297.1	072.2	337.1	004.1994	0094.1	153.4	24.87
221.0	100.0000	0297.2	072.2	336.9	004.2321	0094.1	154.5	24.71
222.0	100.0000	0297.8	072.2	336.7	004.2693	0094.0	155.6	24.56
223.0	100.0000	0298.4	072.3	336.5	004.3050	0094.0	156.7	24.40
224.0	100.0000	0298.8	072.3	336.3	004.3383	0094.0	157.9	24.24
225.0	100.0000	0299.0	072.3	336.2	004.3689	0093.9	159.1	24.06
226.0	100.0000	0299.0	072.3	336.0	004.3969	0093.9	160.2	23.88
227.0	100.0000	0299.0	072.3	335.8	004.4187	0093.9	161.4	23.68
228.0	100.0000	0298.8	072.3	335.7	004.4388	0093.9	162.6	23.48
229.0	100.0000	0298.6	072.3	335.6	004.4573	0093.8	163.8	23.28
230.0	100.0000	0298.4	072.3	335.5	004.4742	0093.8	165.1	23.07
231.0	100.0000	0298.1	072.2	335.4	004.4897	0093.8	166.3	22.87
232.0	100.0000	0297.9	072.2	335.3	004.5042	0093.8	167.5	22.66
233.0	100.0000	0297.7	072.2	335.2	004.5179	0093.8	168.7	22.45
234.0	100.0000	0297.6	072.2	335.1	004.5302	0093.7	170.0	22.23
235.0	100.0000	0297.3	072.2	335.0	004.5406	0093.7	171.2	22.02