

**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WXFX RADIO STATION**  
**CH 236C2 - 95.1 MHZ - 5.4 KW**  
**PRATTVILLE, ALABAMA**  
**January 2006**

**EXHIBIT A**

**§73.215 Compliance**

The WXFX antenna location is shortspaced to the authorized facilities of WRLD-FM, Channel 237C3, Valley, Alabama. Cumulus proposes to use the provisions of §73.215 of the Commission's rules to address this shortspaced situation. The shortage complies with §73.215(e) of the Commission's rules.

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed WXFX and the authorized WRLD-FM. The contours of WRLD-FM are based on 25.0 kilowatts effective radiated power at a height above average terrain (HAAT) of 100.0 meters. Attached as Exhibits A3 and A4 are the tabulated distances to the protected and interfering contours, along the pertinent arcs of the proposed WXFX and the authorized WRLD-FM. Further, attached as Exhibit A5 are the tabulated and protected contours of the proposed facility, in 10 degree increments. Again, there is no prohibited overlap between the facilities.

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**EXHIBIT A1**

Clearance Study for WXFX Prattville, Alabama  
Using Proposed Site as Reference

REFERENCE		DISPLAY DATES
32 24 13 N.	CLASS = C2	DATA 01-12-06
86 11 47 W.	Current Spacings	SEARCH 01-12-06
----- Channel 236 - 95.1 MHz -----		

Call	Channel	Location	Power	Azi	Dist	FCC	Margin
Lat.	Lng.	Ant			HAAT		
WXFX	LIC 236C2	Prattville	AL	289.4	20.97	190.0	-169.03
	32 27 58	86 24 25 CN	50.000 kW		145 M		
	Cumulus Licensing LLC		BLH-19980612KE				
* WRDDEM	LIC 237C3	Valley	AL	69.5	106.51	117.0	-10.49
	32 44 03	85 07 53 CX	25.000 kW		100 M		
	ABG Georgia, LLC		BLH-20011119ABL				
WZHT	LIC-N 289C	Troy	AL	176.1	47.69	35.0	12.69
	31 58 28	86 09 44 NCX	100.000 kW		558 M		
	Capstar TX Limited Partnership		BLH-20050210AHX				
WFFN	LIC-N 237C2	Coaling	AL	300.1	145.89	130.0	15.89
	33 03 15	87 32 57 NCX	17.500 kW		256 M		
	Citadel Broadcasting Company		BLH-20050603ABJ				
WTBFFM	LIC 234C3	Brundidge	AL	163.6	83.96	56.0	27.96
	31 40 38	85 56 43 CN	14.500 kW		132 M		
	Troy Broadcasting Corporation		BLH-19971124KE				
WBPC	LIC 236C3	Ebro	FL	169.7	206.80	177.0	29.80
	30 34 06	85 48 28 CX	25.000 kW		100 M		
	Bay Broadcasting, LLC		BLH-20050725AAM				
WMGB	LIC-N 236C2	Montezuma	GA	85.2	231.77	190.0	41.77
	32 33 20	83 44 14 NC	46.000 kW		119 M		
	Cumulus Licensing LLC		BLH-20010810AAD				
WYSF	LIC-N 233C0	Birmingham	AL	332.8	132.37	89.0	43.37
	33 27 45	86 50 59 NC	100.000 kW		309 M		
	Citadel Broadcasting Company		BLH-20000929AEE				
WYYW	LIC-N 236C2	Marion	MS	268.4	234.96	190.0	44.96
	32 19 12	88 41 27 NCN	26.000 kW		182 M		
	CC Licenses, LLC		BLH-19900222KB				
WKSJFM	LIC-N 235C	Mobile	AL	215.2	240.45	188.0	52.45
	30 37 35	87 38 50 NCN	100.000 kW		474 M		
	CC Licenses, LLC		BLH-19910214KC				
WKSJFM	CP -N 235C	Mobile	AL	215.0	241.62	188.0	53.62
	30 36 45	87 38 43 NCY	100.000 kW		521 M		
	CC Licenses, LLC		BPH-20050414ACR				

\* Note : This shortage is addressed under §73.215 of the rules, see Exhibit A.



**Graham Brock, Inc. - Broadcast Technical Consultants**

**WXFX Proposed**  
Latitude: 32-24-13 N  
Longitude: 086-11-47 W  
ERP: 5.40 kW  
Channel: 236C2  
Frequency: 95.1 MHz  
AMSL Height: 397.0 m

**WRLD-FM**  
BLH-20011119ABL  
Latitude: 32-44-03 N  
Longitude: 085-07-53 W  
ERP: 25.00 kW  
Channel: 237C3  
Frequency: 95.3 MHz  
AMSL Height: 297.0 m

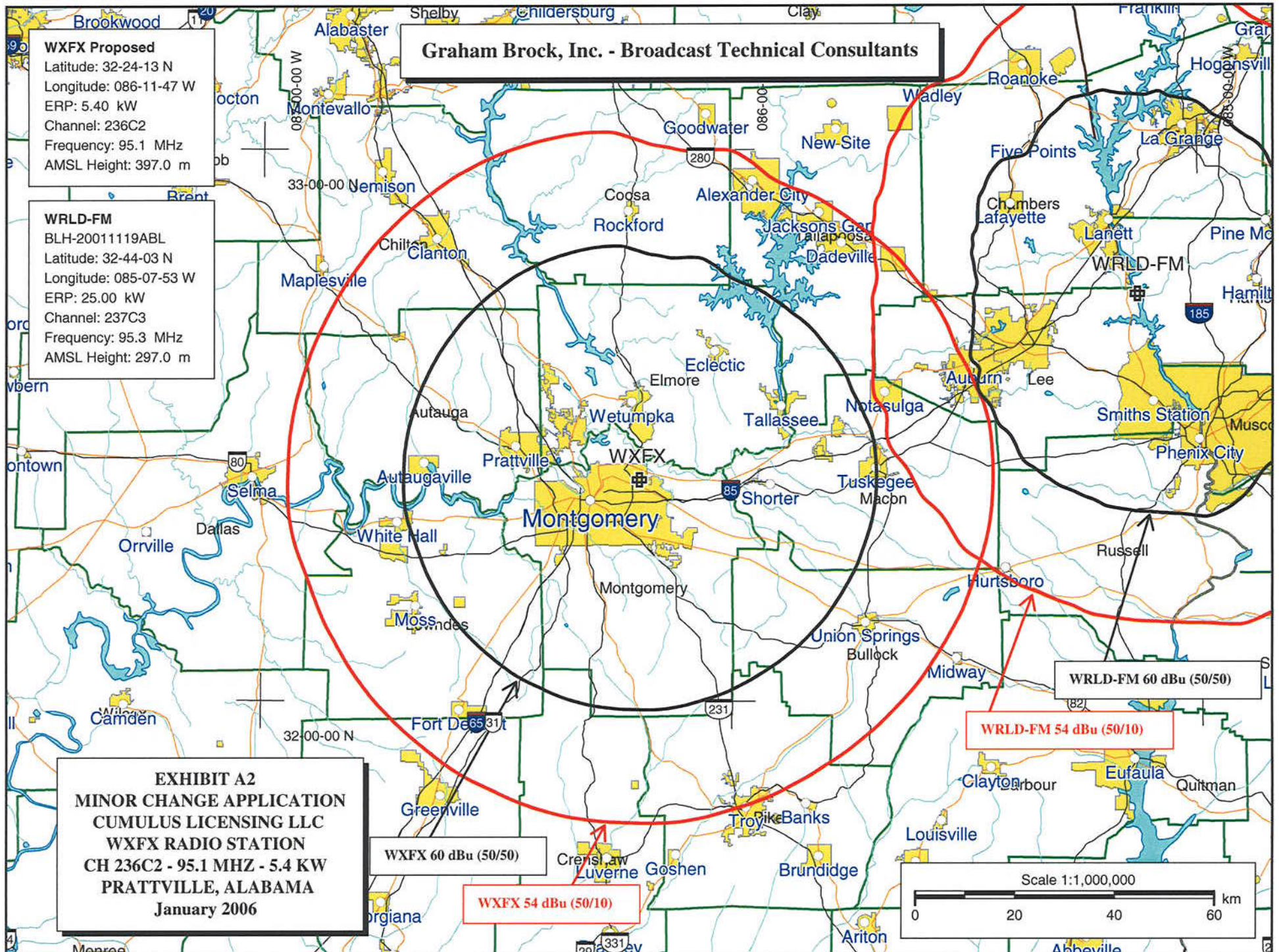
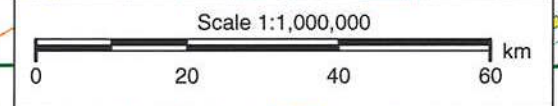
**EXHIBIT A2**  
**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WXFX RADIO STATION**  
**CH 236C2 - 95.1 MHZ - 5.4 KW**  
**PRATTVILLE, ALABAMA**  
**January 2006**

WXFX 60 dBu (50/50)

WXFX 54 dBu (50/10)

WRLD-FM 60 dBu (50/50)

WRLD-FM 54 dBu (50/10)





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**WXFX RADIO STATION**  
**CH 236C2 - 95.1 MHZ - 5.4 KW**  
**PRATTVILLE, ALABAMA**  
**January 2006**

**EXHIBIT A3**

WXFX - Proposed  
Channel = 236C2  
Max ERP = 5.4 kW  
RCAMSL = 397 M  
N. Lat = 32 24 13  
W. Lng = 86 11 47

WRLD-FM - BLH-20011119ABL  
Channel = 237C3  
Max ERP = 25 kW  
RCAMSL = 297 M  
N. Lat = 32 44 03  
W. Lng = 85 07 53

Protected  
60 dBu

Interfering  
54 dBu

**30 Second terrain database**

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
060.0	005.4000	0329.5	046.4	257.4	025.0000	0072.9	061.2	51.8
061.0	005.4000	0329.9	046.4	256.7	025.0000	0072.9	061.0	51.8
062.0	005.4000	0330.1	046.4	255.9	025.0000	0073.6	060.8	51.9
063.0	005.4000	0330.1	046.4	255.2	025.0000	0074.7	060.6	52.1
064.0	005.4000	0329.7	046.4	254.4	025.0000	0076.2	060.5	52.2
065.0	005.4000	0328.8	046.3	253.7	025.0000	0076.2	060.4	52.3
066.0	005.4000	0327.8	046.3	252.9	025.0000	0077.7	060.4	52.4
067.0	005.4000	0327.3	046.2	252.1	025.0000	0079.1	060.3	52.5
068.0	005.4000	0327.9	046.3	251.4	025.0000	0080.4	060.2	52.6
069.0	005.4000	0329.5	046.4	250.6	025.0000	0080.4	060.1	52.7
070.0	005.4000	0331.7	046.5	249.8	025.0000	0081.4	060.0	52.8
071.0	005.4000	0333.9	046.6	249.0	025.0000	0081.8	059.8	52.9
072.0	005.4000	0335.8	046.7	248.2	025.0000	0081.0	059.8	52.8
073.0	005.4000	0337.1	046.8	247.5	025.0000	0079.4	059.8	52.7
074.0	005.4000	0338.6	046.9	246.7	025.0000	0079.4	059.8	52.7
075.0	005.4000	0340.9	047.1	245.9	025.0000	0078.2	059.7	52.6
076.0	005.4000	0343.6	047.2	245.1	025.0000	0078.1	059.7	52.6
077.0	005.4000	0346.1	047.4	244.3	025.0000	0079.7	059.8	52.7
078.0	005.4000	0347.9	047.5	243.5	025.0000	0082.2	059.8	52.9
079.0	005.4000	0349.0	047.6	242.7	025.0000	0082.2	060.0	52.8
080.0	005.4000	0350.1	047.6	241.9	025.0000	0084.8	060.2	53.0
081.0	005.4000	0351.0	047.7	241.1	025.0000	0087.1	060.4	53.0
082.0	005.4000	0351.2	047.7	240.4	025.0000	0088.7	060.7	53.1
083.0	005.4000	0351.2	047.7	239.7	025.0000	0088.7	061.0	53.0
084.0	005.4000	0351.0	047.7	239.0	025.0000	0089.5	061.4	52.9
085.0	005.4000	0350.7	047.7	238.3	025.0000	0089.6	061.8	52.8
086.0	005.4000	0350.5	047.6	237.6	025.0000	0089.6	062.2	52.6
087.0	005.4000	0350.3	047.6	236.9	025.0000	0089.4	062.6	52.5
088.0	005.4000	0350.2	047.6	236.3	025.0000	0088.8	063.0	52.3
089.0	005.4000	0350.0	047.6	235.7	025.0000	0088.8	063.5	52.2
090.0	005.4000	0349.8	047.6	235.1	025.0000	0088.2	064.0	52.0
091.0	005.4000	0349.5	047.6	234.5	025.0000	0087.8	064.5	51.8
092.0	005.4000	0349.4	047.6	233.9	025.0000	0087.8	065.0	51.7
093.0	005.4000	0349.4	047.6	233.3	025.0000	0088.0	065.5	51.5
094.0	005.4000	0349.4	047.6	232.8	025.0000	0088.0	066.0	51.4
095.0	005.4000	0349.3	047.6	232.2	025.0000	0088.8	066.6	51.3
096.0	005.4000	0348.9	047.5	231.7	025.0000	0088.8	067.2	51.1
097.0	005.4000	0348.4	047.5	231.3	025.0000	0089.8	067.8	51.0
098.0	005.4000	0347.8	047.5	230.8	025.0000	0089.8	068.4	50.8
099.0	005.4000	0347.2	047.4	230.4	025.0000	0091.0	069.1	50.7

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**January 2006**

**EXHIBIT A4**

WRLD-FM - BLH-20011119ABL  
Channel = 237C3  
Max ERP = 25 kW  
RCAMSL = 297 M  
N. Lat = 32 44 03  
W. Lng = 85 07 53

WXFX - Proposed  
Channel = 236C2  
Max ERP = 5.4 kW  
RCAMSL = 397 M  
N. Lat = 32 24 13  
W. Lng = 86 11 47

Protected  
60 dBu

Interfering  
54 dBu

**30 Second terrain database**

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
220.0	025.0000	0097.3	038.6	084.4	005.4000	0351.0	075.6	52.4
221.0	025.0000	0095.6	038.3	083.9	005.4000	0351.0	075.4	52.5
222.0	025.0000	0094.2	038.1	083.4	005.4000	0351.2	075.1	52.6
223.0	025.0000	0093.5	038.0	082.9	005.4000	0351.2	074.8	52.7
224.0	025.0000	0093.5	038.0	082.5	005.4000	0351.2	074.4	52.9
225.0	025.0000	0093.9	038.0	082.2	005.4000	0351.2	073.9	53.0
226.0	025.0000	0094.3	038.1	081.8	005.4000	0351.2	073.4	53.2
227.0	025.0000	0094.3	038.1	081.4	005.4000	0351.0	073.1	53.3
228.0	025.0000	0093.6	038.0	080.9	005.4000	0351.0	072.8	53.4
229.0	025.0000	0092.3	037.8	080.3	005.4000	0350.1	072.6	53.4
230.0	025.0000	0091.0	037.5	079.8	005.4000	0350.1	072.5	53.5
231.0	025.0000	0089.8	037.3	079.2	005.4000	0349.0	072.4	53.5
232.0	025.0000	0088.8	037.1	078.7	005.4000	0349.0	072.2	53.5
233.0	025.0000	0088.0	037.0	078.2	005.4000	0347.9	072.1	53.6
234.0	025.0000	0087.8	036.9	077.7	005.4000	0347.9	071.8	53.6
235.0	025.0000	0088.2	037.0	077.3	005.4000	0346.1	071.5	53.7
236.0	025.0000	0088.8	037.1	076.8	005.4000	0346.1	071.1	53.8
237.0	025.0000	0089.4	037.2	076.4	005.4000	0343.6	070.8	53.9
238.0	025.0000	0089.6	037.3	075.9	005.4000	0343.6	070.6	53.9
239.0	025.0000	0089.5	037.2	075.4	005.4000	0340.9	070.4	53.9
240.0	025.0000	0088.7	037.1	074.8	005.4000	0340.9	070.4	53.9
241.0	025.0000	0087.1	036.8	074.2	005.4000	0338.6	070.5	53.8
242.0	025.0000	0084.8	036.4	073.7	005.4000	0338.6	070.8	53.7
243.0	025.0000	0082.2	035.8	073.1	005.4000	0337.1	071.2	53.5
244.0	025.0000	0079.7	035.3	072.5	005.4000	0337.1	071.5	53.4
245.0	025.0000	0078.1	035.0	072.0	005.4000	0335.8	071.8	53.2
246.0	025.0000	0078.2	035.0	071.5	005.4000	0335.8	071.7	53.3
247.0	025.0000	0079.4	035.3	071.0	005.4000	0333.9	071.4	53.3
248.0	025.0000	0081.0	035.6	070.6	005.4000	0333.9	071.0	53.5
249.0	025.0000	0081.8	035.8	070.1	005.4000	0331.7	070.8	53.4
250.0	025.0000	0081.4	035.7	069.5	005.4000	0331.7	070.9	53.4
251.0	025.0000	0080.4	035.5	069.0	005.4000	0329.5	071.1	53.3
252.0	025.0000	0079.1	035.2	068.6	005.4000	0329.5	071.4	53.2
253.0	025.0000	0077.7	034.9	068.1	005.4000	0327.9	071.7	53.0
254.0	025.0000	0076.2	034.6	067.6	005.4000	0327.9	072.1	52.9
255.0	025.0000	0074.7	034.3	067.2	005.4000	0327.3	072.5	52.7
256.0	025.0000	0073.6	034.1	066.7	005.4000	0327.3	072.8	52.6
257.0	025.0000	0072.9	033.9	066.3	005.4000	0327.8	073.0	52.5
258.0	025.0000	0072.5	033.8	065.8	005.4000	0327.8	073.2	52.5
259.0	025.0000	0071.5	033.6	065.4	005.4000	0328.8	073.6	52.4
260.0	025.0000	0070.5	033.4	065.0	005.4000	0328.8	073.9	52.3



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**EXHIBIT A5**

Predicted contour:

N. Lat. = 32 24 13 - Tabulated Protected and Interfering Contour Data  
W. Lng. = 86 11 47 - WXFX Radio Station - Prattville, Alabama

HAAT and Distance to Contour - FCC Method - 30 Arc Second terrain database

Azi.	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1
000	320.0	5.4000	7.32	1.000	45.78	111.92	68.12	4.02
010	309.0	5.4000	7.32	1.000	45.11	110.53	67.06	3.98
020	312.7	5.4000	7.32	1.000	45.33	110.96	67.41	3.99
030	303.1	5.4000	7.32	1.000	44.76	109.94	66.51	3.96
040	310.7	5.4000	7.32	1.000	45.21	110.73	67.23	3.99
050	322.1	5.4000	7.32	1.000	45.90	112.21	68.32	4.03
060	329.5	5.4000	7.32	1.000	46.36	113.35	69.05	4.05
070	331.7	5.4000	7.32	1.000	46.49	113.69	69.25	4.06
080	350.1	5.4000	7.32	1.000	47.62	116.81	71.03	4.13
090	349.8	5.4000	7.32	1.000	47.60	116.75	71.00	4.13
100	346.4	5.4000	7.32	1.000	47.39	116.17	70.67	4.12
110	339.1	5.4000	7.32	1.000	46.95	114.93	69.98	4.09
120	333.5	5.4000	7.32	1.000	46.60	114.00	69.44	4.07
130	330.4	5.4000	7.32	1.000	46.41	113.49	69.13	4.06
140	327.3	5.4000	7.32	1.000	46.22	112.99	68.83	4.05
150	326.5	5.4000	7.32	1.000	46.17	112.87	68.75	4.04
160	329.2	5.4000	7.32	1.000	46.34	113.29	69.01	4.05
170	331.8	5.4000	7.32	1.000	46.50	113.71	69.26	4.06
180	330.5	5.4000	7.32	1.000	46.42	113.50	69.14	4.06
190	332.4	5.4000	7.32	1.000	46.53	113.81	69.32	4.07
200	332.9	5.4000	7.32	1.000	46.57	113.90	69.38	4.07
210	333.2	5.4000	7.32	1.000	46.58	113.93	69.40	4.07
220	331.4	5.4000	7.32	1.000	46.47	113.65	69.23	4.06
230	332.7	5.4000	7.32	1.000	46.55	113.86	69.35	4.07
240	331.7	5.4000	7.32	1.000	46.49	113.70	69.26	4.06
250	332.2	5.4000	7.32	1.000	46.52	113.77	69.30	4.06
260	342.1	5.4000	7.32	1.000	47.13	115.44	70.27	4.10
270	344.2	5.4000	7.32	1.000	47.26	115.80	70.46	4.11
280	345.3	5.4000	7.32	1.000	47.32	115.98	70.57	4.11
290	345.0	5.4000	7.32	1.000	47.30	115.93	70.54	4.11
300	345.9	5.4000	7.32	1.000	47.36	116.09	70.63	4.12
310	347.9	5.4000	7.32	1.000	47.48	116.44	70.82	4.12
320	349.4	5.4000	7.32	1.000	47.57	116.68	70.96	4.13
330	351.6	5.4000	7.32	1.000	47.71	117.05	71.17	4.14
340	349.5	5.4000	7.32	1.000	47.58	116.71	70.98	4.13
350	345.3	5.4000	7.32	1.000	47.32	115.99	70.57	4.11

AMSL= 397 M