

Educational Media Foundation

Exhibit 16

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

South Charleston, WV

Channel Study

REFERENCE		CH# 207A - 89.3 MHz, Pwr= 2.3 kW, HAAT=62.5M, COR= 329 M							DISPLAY DATES	
38 23 47.0 N.		Average Protected F(50-50)= 18.1 km							DATA 07-10-07	
81 35 28.0 W.									SEARCH 07-10-07	
CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
207A South Charleston	WWLA	CP CX WV	349.6 169.6	5.33 BPED19980619MF	38 26 37.0 81 36 08.0	0.300 161	57.7 415		-69.64*	-74.96*
260B Charleston	WVAF	LIC NCX WV	156.8 336.9	14.83 BLH20060420ABP	38 16 25.0 81 31 27.0	24.500 215	12.4 525		14.5R	0.3M
210B Huntington	WVWV	LIC CY WV	281.8 101.4	54.34 BLED19940810KZ	38 29 41.0 82 12 03.0	8.100 355	4.8 582		28.56	1.59
206B Ironton	WOUL-FM	LIC CN OH	279.0 98.3	93.97 BLED19871014KH	38 31 23.0 82 39 20.0	50.000 122	72.6 345		2.16	18.51
06-1C Bluefield	WVVA	CP HN WV	164.1 344.3	131.62 BPC20010725ADN	37 15 21.0 81 10 55.0	50.100 374		100.8	112.4R	19.2M
06-1C Bluefield	WVVA	LI HN WV	164.1 344.3	131.62 BMLCT19880907KE	37 15 21.0 81 10 55.0	50.100 372		100.4	112.0R	19.6M
209A Kingston	AP4643	APP VX WV	153.5 333.7	55.66 BNPED20000317ABO	37 56 51.0 81 18 29.0	0.250 437	1.1 1019		41.98	21.56
206C Roanoke	WVTF	LIC C VA	136.0 316.9	183.75 BMLD20020418AAL	37 11 56.0 80 09 02.0	100.000 600	140.3 1187		31.04	70.90
06 1C Weston	WDTV-D	CP DHY WV	52.9 233.7	126.34 BPCDT19991029AFO	39 04 29.0 80 25 28.0	10.000 248		71.9	84.5R	41.8M
06 1 Weston	WDTV-D	GRR DHN WV	52.9 233.7	126.34 BPRM20001002ADW	39 04 29.0 80 25 28.0	10.000 253		71.5	84.1R	42.2M
208A Belpre	WCVV	LIC CN OH	358.3 178.3	103.04 BLED19980622KC	39 19 27.0 81 37 33.0	4.400 117	43.7 351		44.22	51.97
205B Buckhannon	WVPW	LIC CX WV	51.2 231.8	114.07 BLED20031212ABB	39 02 04.0 80 33 47.0	14.000 259	5.6 609		87.67	59.25
06 C Weston	WDTV-D	ST N WV	52.9 233.7	126.34 BDSTA20050614ADO	39 04 29.0 80 25 28.0	0.100 193		30.0	42.6R	83.7M
06+1C Columbus	WSYX	LI DCY OH	324.7 143.8	211.08 BLCT19931022KE	39 56 16.0 83 01 16.0	100.000 286		102.0	114.5R	96.5M

Terrain database is NGDC 30 SEC

ERP and HAAT on direct-line with reference station.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)

"*"affixed to 'IN' or 'OUT' values = site inside protected contour.

Exhibit 16-A

FMCommander Single Allocation Study
07-10-2007

WWLA.P CH 207 A
2.3 kW 329 M COR
Prot. = 60 dBu
Intef. = 100 dBu

WVWV CH 210 B BLED19940810KZ
8.1 kW, 582 M COR
Prot. = 60 dBu
Intef. = 100 dBu

Scale = 1:1,000,000

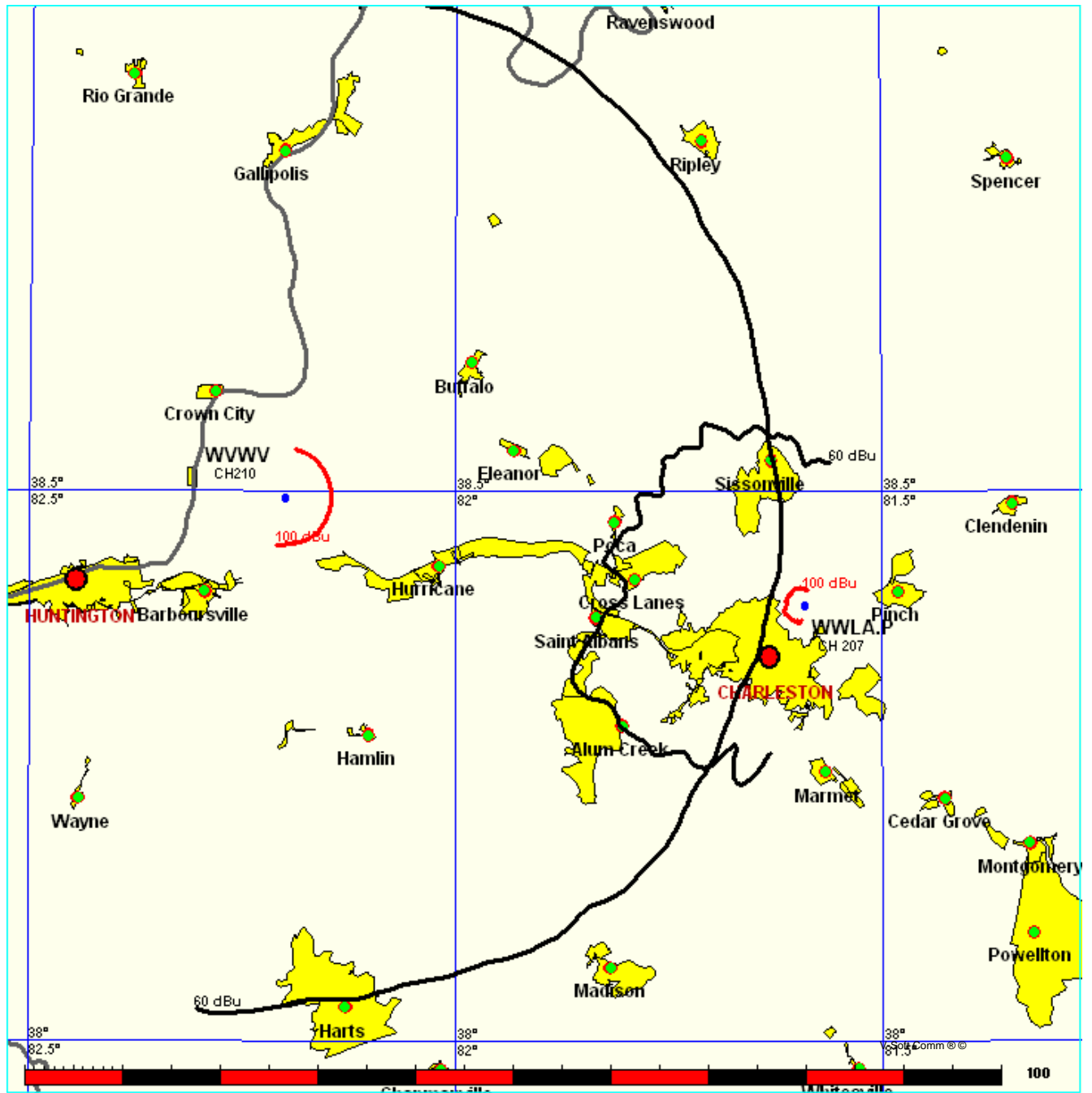


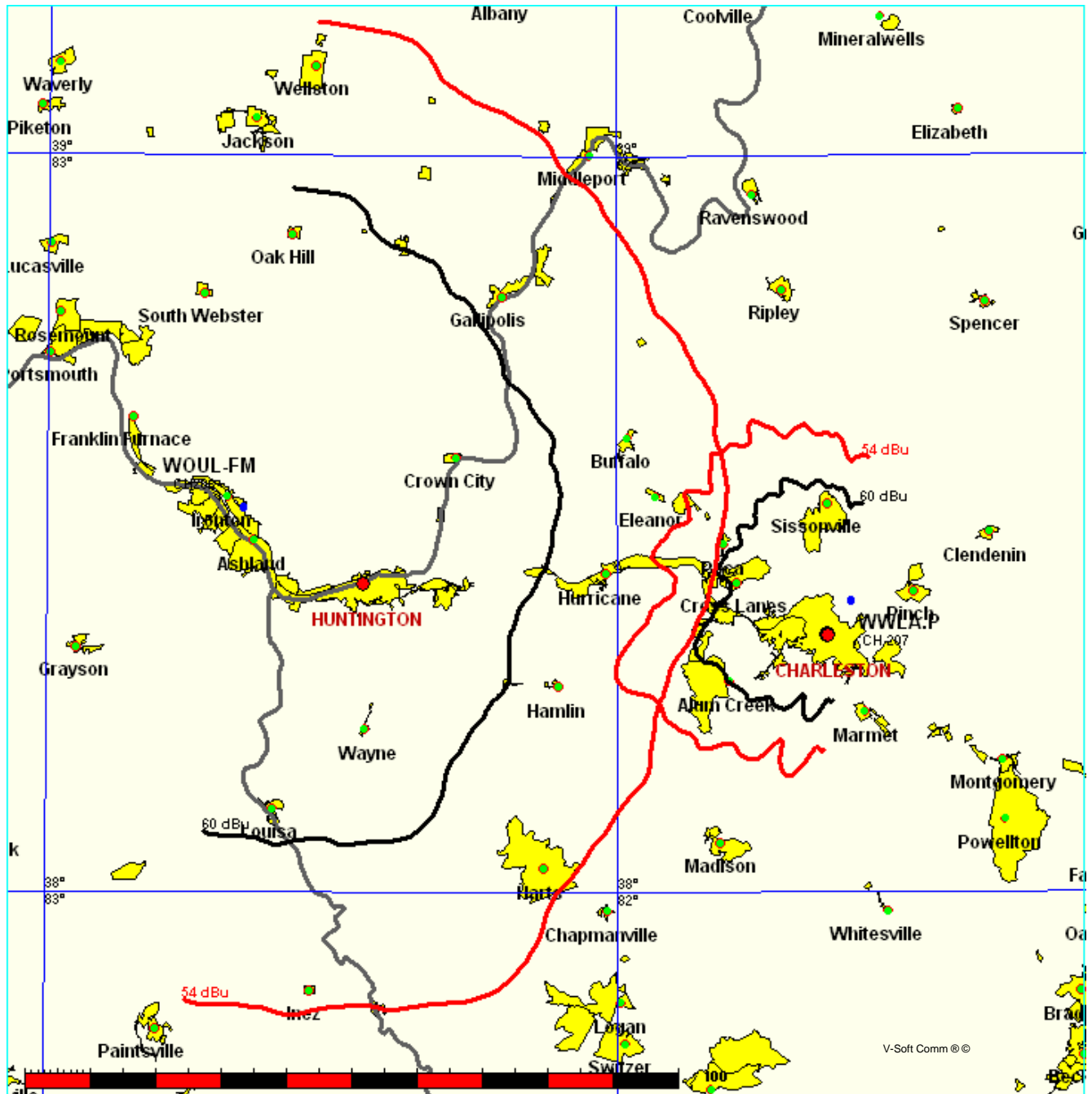
Exhibit 16-B

FMCommander Single Allocation Study
07-10-2007

WWLA.P CH 207 A
2.3 kW 329 M COR
Prot. = 60 dBu
Intef. = 54 dBu

WOUL-FM CH 206 B BLED19871014KH
50.0 kW, 345 M COR
Prot. = 60 dBu
Intef. = 54 dBu

Scale = 1:1,500,000



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WOUL-FM vs. WWLA.P

07-10-2007

NGDC 30 SEC Terrain Data

FMOver Analysis

WWLA.P
Channel = 207A
Max ERP = 2.3 kW
RCAMSL = 329 M
N. Lat. 38 23 47.0
W. Lng. 81 35 28.0
Protected
60 dBu

WOUL-FM BLED19871014KH
Channel = 206B
Max ERP = 50 kW
RCAMSL = 345 M
N. Lat. 38 31 23.0
W. Lng. 82 39 20.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
235.0	002.3000	0094.6	022.2	109.5	050.0000	0101.7	079.5	51.30
236.0	002.3000	0096.0	022.3	109.4	050.0000	0101.8	079.1	51.42
237.0	002.3000	0097.2	022.5	109.3	050.0000	0102.0	078.7	51.54
238.0	002.3000	0097.1	022.5	109.2	050.0000	0102.3	078.4	51.64
239.0	002.3000	0096.0	022.3	108.9	050.0000	0102.7	078.1	51.73
240.0	002.3000	0095.5	022.3	108.7	050.0000	0103.2	077.9	51.83
241.0	002.3000	0095.3	022.3	108.5	050.0000	0103.7	077.6	51.93
242.0	002.3000	0095.4	022.3	108.3	050.0000	0104.2	077.3	52.04
243.0	002.3000	0095.8	022.3	108.1	050.0000	0104.6	077.0	52.15
244.0	002.3000	0097.1	022.5	108.0	050.0000	0105.0	076.6	52.28
245.0	002.3000	0100.5	022.8	108.0	050.0000	0105.0	076.0	52.44
246.0	002.3000	0105.8	023.4	108.1	050.0000	0104.8	075.4	52.63
247.0	002.3000	0111.5	024.0	108.1	050.0000	0104.7	074.7	52.82
248.0	002.3000	0115.8	024.4	108.1	050.0000	0104.8	074.1	53.00
249.0	002.3000	0118.6	024.7	107.9	050.0000	0105.1	073.6	53.15
250.0	002.3000	0120.4	024.8	107.8	050.0000	0105.6	073.2	53.30
251.0	002.3000	0121.8	024.9	107.5	050.0000	0106.2	072.9	53.43
252.0	002.3000	0122.2	025.0	107.3	050.0000	0106.8	072.6	53.55
253.0	002.3000	0121.6	024.9	107.0	050.0000	0107.4	072.4	53.64
254.0	002.3000	0119.4	024.7	106.6	050.0000	0107.9	072.3	53.69
255.0	002.3000	0116.7	024.5	106.2	050.0000	0108.2	072.2	53.72
256.0	002.3000	0113.4	024.2	105.8	050.0000	0108.5	072.3	53.72
257.0	002.3000	0109.9	023.8	105.4	050.0000	0108.9	072.4	53.71
258.0	002.3000	0106.1	023.4	104.9	050.0000	0109.3	072.5	53.69
259.0	002.3000	0102.3	023.0	104.5	050.0000	0109.6	072.7	53.66
260.0	002.3000	0098.8	022.7	104.1	050.0000	0109.8	072.9	53.62
261.0	002.3000	0095.3	022.3	103.7	050.0000	0110.3	073.1	53.58
262.0	002.3000	0091.4	021.8	103.3	050.0000	0111.1	073.4	53.54
263.0	002.3000	0087.9	021.4	102.9	050.0000	0112.1	073.6	53.52
264.0	002.3000	0086.0	021.1	102.5	050.0000	0113.0	073.7	53.53
265.0	002.3000	0084.7	021.0	102.2	050.0000	0113.7	073.8	53.56
266.0	002.3000	0083.2	020.8	101.9	050.0000	0114.3	073.8	53.57
267.0	002.3000	0082.1	020.7	101.6	050.0000	0114.7	073.9	53.58
268.0	002.3000	0080.1	020.4	101.3	050.0000	0114.9	074.0	53.54
269.0	002.3000	0076.0	019.9	100.9	050.0000	0115.0	074.5	53.41
270.0	002.3000	0071.9	019.3	100.6	050.0000	0115.0	074.9	53.28
271.0	002.3000	0067.8	018.8	100.3	050.0000	0115.1	075.4	53.14
272.0	002.3000	0065.4	018.5	100.0	050.0000	0115.2	075.7	53.07
273.0	002.3000	0065.4	018.4	099.7	050.0000	0115.1	075.6	53.07
274.0	002.3000	0065.5	018.5	099.5	050.0000	0115.1	075.6	53.09
275.0	002.3000	0066.2	018.6	099.3	050.0000	0115.1	075.4	53.13
276.0	002.3000	0065.0	018.4	099.0	050.0000	0115.3	075.6	53.09
277.0	002.3000	0065.4	018.5	098.8	050.0000	0115.4	075.5	53.13
278.0	002.3000	0067.0	018.7	098.5	050.0000	0115.6	075.3	53.20

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South Charleston, WV

279.0	002.3000	0070.9	019.2	098.3	050.0000	0115.9	074.8	53.37
280.0	002.3000	0077.7	020.1	098.0	050.0000	0116.1	073.9	53.65
281.0	002.3000	0082.7	020.7	097.7	050.0000	0116.2	073.2	53.84
282.0	002.3000	0085.1	021.0	097.4	050.0000	0116.3	073.0	53.93
283.0	002.3000	0085.3	021.1	097.1	050.0000	0116.6	073.0	53.94
284.0	002.3000	0083.9	020.9	096.8	050.0000	0116.9	073.2	53.90
285.0	002.3000	0083.0	020.8	096.6	050.0000	0117.3	073.3	53.86
286.0	002.3000	0082.1	020.7	096.3	050.0000	0117.4	073.5	53.82
287.0	002.3000	0081.0	020.5	096.0	050.0000	0117.3	073.7	53.76
288.0	002.3000	0079.8	020.4	095.8	050.0000	0117.0	073.9	53.68
289.0	002.3000	0078.7	020.2	095.5	050.0000	0116.8	074.1	53.61
290.0	002.3000	0078.4	020.2	095.3	050.0000	0116.6	074.2	53.56
291.0	002.3000	0077.7	020.1	095.0	050.0000	0116.5	074.4	53.50
292.0	002.3000	0076.5	019.9	094.8	050.0000	0116.5	074.7	53.43
293.0	002.3000	0074.1	019.6	094.6	050.0000	0116.5	075.1	53.31
294.0	002.3000	0071.1	019.2	094.5	050.0000	0116.5	075.6	53.16
295.0	002.3000	0068.2	018.8	094.3	050.0000	0116.6	076.0	53.03
296.0	002.3000	0067.2	018.7	094.2	050.0000	0116.7	076.3	52.96
297.0	002.3000	0068.7	018.9	093.9	050.0000	0117.1	076.2	53.00
298.0	002.3000	0070.5	019.1	093.6	050.0000	0117.7	076.1	53.06
299.0	002.3000	0072.4	019.4	093.3	050.0000	0118.3	076.0	53.11
300.0	002.3000	0074.8	019.7	092.9	050.0000	0119.0	075.9	53.19
301.0	002.3000	0077.6	020.1	092.6	050.0000	0119.6	075.7	53.27
302.0	002.3000	0079.9	020.4	092.2	050.0000	0119.9	075.6	53.31
303.0	002.3000	0079.9	020.4	092.0	050.0000	0120.2	075.8	53.27
304.0	002.3000	0077.3	020.0	091.9	050.0000	0120.3	076.3	53.14
305.0	002.3000	0072.9	019.5	091.9	050.0000	0120.3	077.0	52.94
306.0	002.3000	0068.1	018.8	091.9	050.0000	0120.2	077.7	52.73
307.0	002.3000	0065.2	018.4	091.9	050.0000	0120.3	078.2	52.58
308.0	002.3000	0065.2	018.4	091.7	050.0000	0120.5	078.4	52.53
309.0	002.3000	0067.2	018.7	091.4	050.0000	0120.8	078.3	52.56
310.0	002.3000	0070.3	019.1	091.0	050.0000	0121.2	078.2	52.62
311.0	002.3000	0073.1	019.5	090.7	050.0000	0121.6	078.1	52.66
312.0	002.3000	0074.6	019.7	090.4	050.0000	0122.0	078.2	52.65
313.0	002.3000	0075.6	019.8	090.1	050.0000	0122.2	078.3	52.63
314.0	002.3000	0077.8	020.1	089.8	050.0000	0122.6	078.4	52.64
315.0	002.3000	0081.1	020.5	089.4	050.0000	0123.0	078.3	52.67
316.0	002.3000	0082.9	020.8	089.1	050.0000	0123.3	078.4	52.66
317.0	002.3000	0081.3	020.6	089.0	050.0000	0123.4	078.8	52.54
318.0	002.3000	0078.9	020.2	089.0	050.0000	0123.4	079.3	52.41
319.0	002.3000	0078.4	020.2	088.9	050.0000	0123.6	079.6	52.32
320.0	002.3000	0079.0	020.3	088.7	050.0000	0123.8	079.8	52.27
321.0	002.3000	0079.3	020.3	088.5	050.0000	0123.9	080.1	52.20
322.0	002.3000	0078.7	020.2	088.4	050.0000	0124.0	080.4	52.11
323.0	002.3000	0076.7	020.0	088.4	050.0000	0124.0	080.8	51.98
324.0	002.3000	0074.0	019.6	088.4	050.0000	0124.0	081.3	51.84
325.0	002.3000	0072.0	019.3	088.4	050.0000	0124.0	081.7	51.71