

Channel Study

REFERENCE		CH# 218A - 91.5 MHz, Pwr= 0.39 kW, HAAT=372.9M, COR= 1172 M										DISPLAY DATES	
40 54 28 N.		Average Protected F(50-50)= 27.9 km										DATA	05-31-06
122 26 41 W.		Ave. F(50-10) 40 dBu= 80.6 54 dBu= 42.5 80 dBu= 8.6 100 dBu= 1.4										SEARCH	05-31-06
CH	CALL	TYPE	STATE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*		
CITY				<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap	in km)		
217C2	KNYR	LIC	CN	349.2	79.42	41 36 36	0.400	1817	38.3	8.36	22.10		
Yreka		CA		169.1	BLED19951012KB	122 37 26	663	58.3	St Of Or	Acting B/t	Or St		
<b>216C2</b>	<b>950713</b>	APP	DCN	192.7	28.90	40 39 14	0.963	986	19.5	-1.85*	8.01		
Redding		CA		12.6	BPED19950713MB	122 31 12	111	1.6	St Of Or	Acting & Through			
<b>216C2</b>	<b>950327</b>	APP	DCN	192.7	28.90	40 39 14	1.800	978	21.9	-2.18*	5.63		
Redding		CA		12.6	BPED19950327MA	122 31 12	103	2.0	Christian Arts And Educati				
221A	RADD<	ADD		172.7	35.98	40 35 11	6.000	0	15.8	-4.36*	18.84		
Redding		CA		352.7		122 23 26	-283	1.6	Paul Barth				
221A	RADD<	ADD		170.3	37.34	40 34 35	6.000	0	15.8	-3.28*	20.20		
Redding		CA		350.3		122 22 12	-262	1.6	Linda A. Davidson				
<b>219B</b>	<b>KCHO</b>	LIC	CN	149.4	122.34	39 57 30	7.700	1119	53.9	2.83	9.06		
Chico		CA		329.9	BLED19860514KD	121 42 48	401	80.2	The Research Foundation, C				
218B	KZYZ	LIC	CX	202.0	189.14	39 19 35	1.700	1021	41.0	53.91	63.42		
Willits		CA		21.5	BLED20050602ACQ	123 16 10	416	105.9	Mendocino County Public Br				
221C3	RADD<	ADD		167.9	55.26	40 25 16	25.000	0	22.7	14.59	31.21		
Cottonwood		CA		348.0		122 18 29	-146	2.3	Wild Thing Broadcasters				
220A	960503	APP	CN	21.9	46.00	41 17 30	0.100	1500	26.6	24.59	18.88		
Mccloud		CA		202.0	BPED19960503MG	122 14 21	640	0.7	Fatima Response Inc Db				
218A	KNHM	LIC	C	265.3	135.62	40 47 49	0.550	355	8.7	93.65	83.01		
Bayside		CA		84.2	BLED20000418ABA	124 02 47	11	29.3	Jpr Foundation Inc.				
220A	950210	APP	CN	23.2	52.92	41 20 43	0.035	2434	27.3	32.14	25.11		
Mccloud		CA		203.3	BPED19950210MA	122 11 42	1173	0.4	Southern Oregon State Coll				
221A	RADD<	ADD		167.0	58.35	40 23 45	6.000	0	15.8	18.67	41.21		
Cottonwood		CA		347.1		122 17 22	-144	1.6	Michael R Birdsill				
272C1	KNTK<	LIC	C	21.7	53.91	41 21 30	15.500	2331	85.7	22.0R	31.9M		
Weed		CA		201.8	BLH19991124AAQ	122 12 21	1072	104.5	Four Rivers Broadcasting,				
217A	KIDE	LIC	CN	279.9	105.79	41 03 51	0.195	136	6.7	79.39	74.02		
Hoopa		CA		99.1	BLED19801231AM	123 41 05	-615	9.5	Hoopa Valley Tribe				
219C1	AP219	APP	VX	66.1	185.09	41 33 50	100.000	1553	58.5	60.76	70.98		
Alturas		CA		247.4	BNPED20000421AAS	120 24 55	150	88.1	Ihr Educational Broadcasti				
216C1	KMUD	LIC	DV	230.7	137.19	40 07 13	0.179	1229	36.1	118.72	99.68		
Garberville		CA		49.9	BLED20001019AAC	123 41 31	847	0.9	Redwood Community Radio, I				
215C1	KSKF	LIC	E	26.8	148.47	42 05 50	6.500	2004	68.1	123.85	79.86		
Klamath Falls		OR		207.3	BLED19960111KX	121 37 59	738	5.1	St Of Or	Acting B/t	Or St		
271B1	KCEZ.C<	CP	CX	187.8	114.29	39 53 17	25.000	745	66.2	12.0R	102.3M		
Los Molinos		CA		7.7	BPH20050215AAI	122 37 38	311	69.1	Results Radio Of Chico Lic				
271B1	KCEZ<	LIC	DC	187.8	114.32	39 53 16	22.968	759	66.4	12.0R	102.3M		
Los Molinos		CA		7.7	BLH19980427KD	122 37 38	325	69.4	Results Radio Of Chico Lic				
06-2C	KVIQ	LI	HN	261.6	130.39	40 43 36	100.000	920	111.9	166.0R	-35.6M•		
Eureka		CA		80.6	BLCT1115	123 58 18	530	3.7	Raul Broadcasting Company				

ERP and HAAT on direct-line with reference station.

• affixed to TV6 Margin= no direct-line contour overlap.

"•affixed to 'IN' or 'Out' values = site inside protected contour.

&lt; = Station meets FCC minimum distance spacing for its class.

Interference received is addressed in exhibit 15 2

Spacing is addressed in exhibit 14

Exhibit 15 - A

FMCommander Allocation Study  
05-31-2006

KKRO.C CH 218 A  
0.39 kW 1172 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu

950713 CH 216 C2 BPED19950713MB  
1.8 kW, 986 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu

Scale = 1:750,000

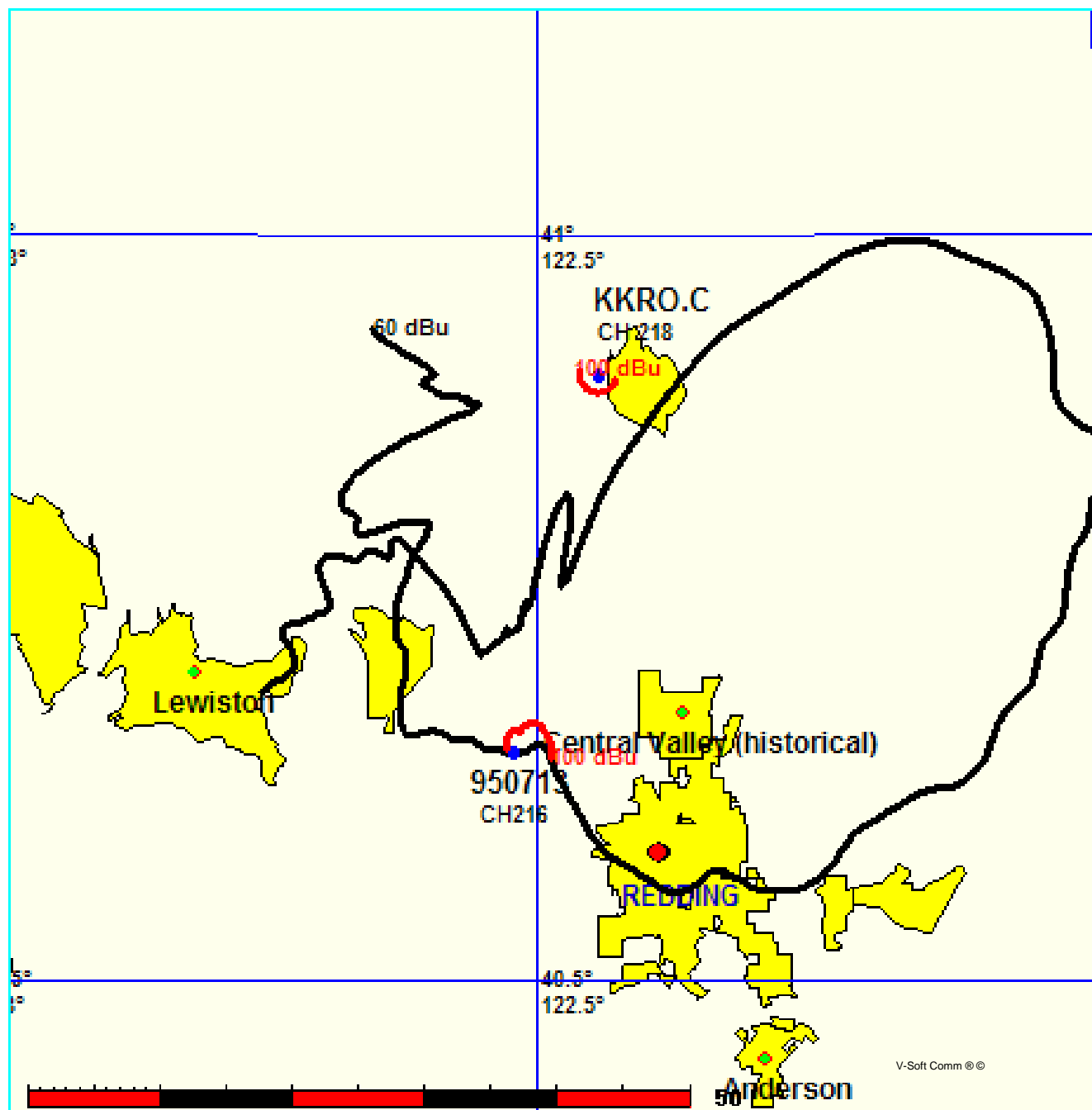


Exhibit 15 - B

FMCommander Allocation Study  
05-31-2006

KKRO.C CH 218 A  
0.39 kW 1172 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu

950327 CH 216 C2 BPED19950327MA  
1.8 kW, 978 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu

Scale = 1:750,000

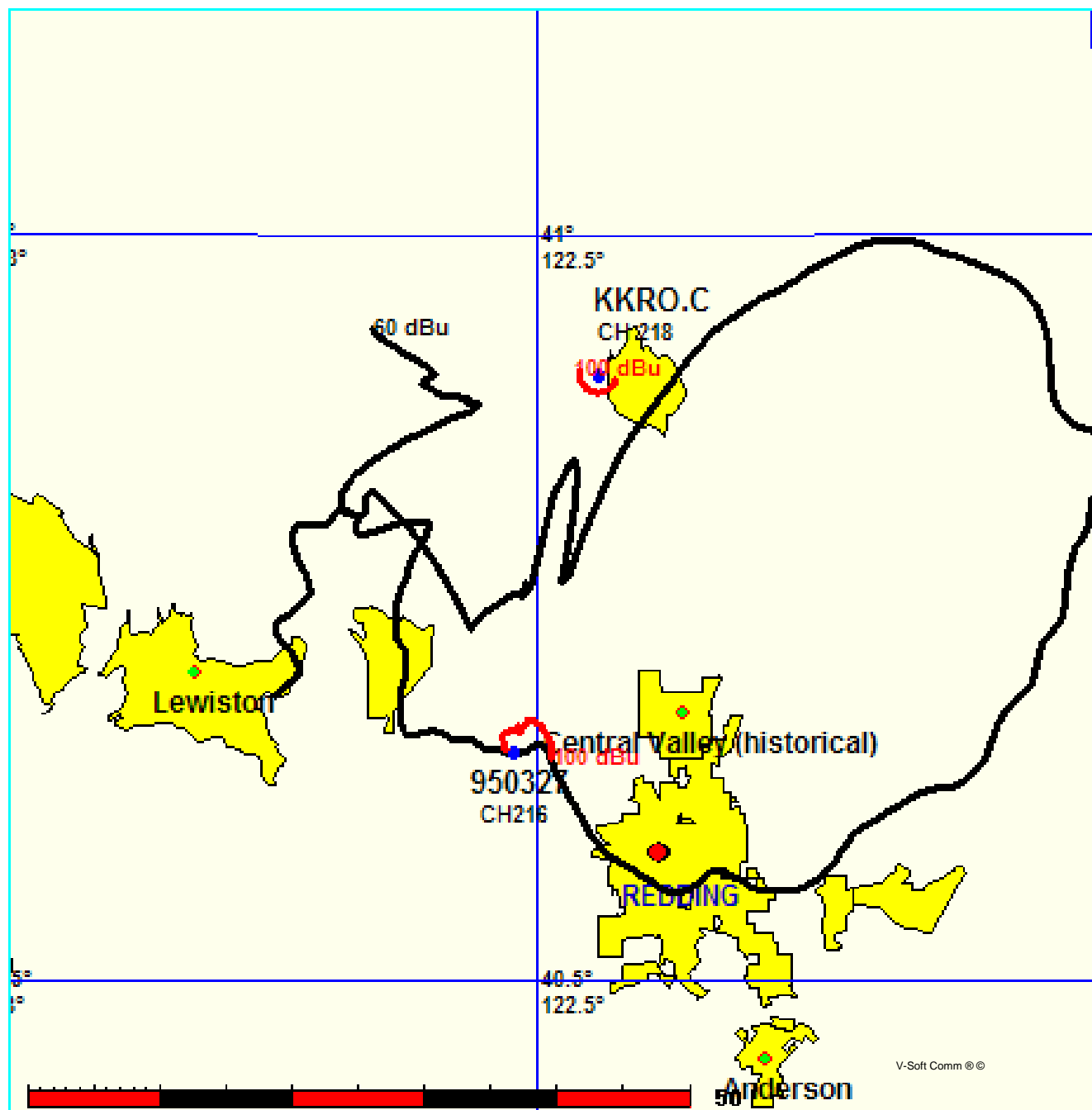


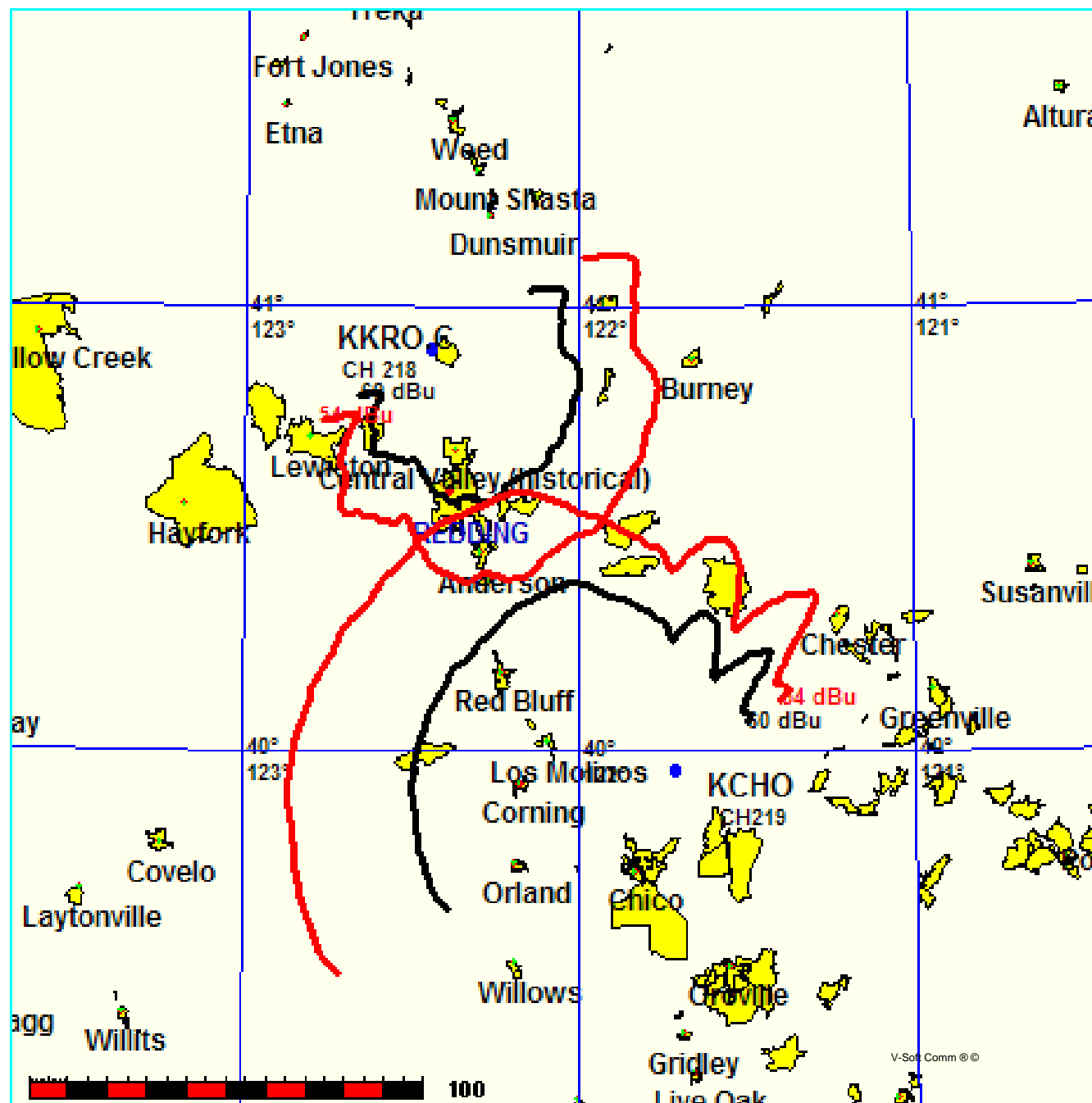
Exhibit 15 - C

FMCommander Allocation Study  
05-31-2006

KKRO.C CH 218 A  
0.39 kW 1172 M COR DA  
Prot. = 60 dBu  
Intef. = 54 dBu

KCHO CH 219 B BLED19860514KD  
7.7 kW, 1119 M COR  
Prot. = 60 dBu  
Intef. = 54 dBu

Scale = 1:2,500,000



## KKRO Protected vs. KCHO Interfering

05-31-2006      30 Arc-Sec. Terrain Data      FMOver Analysis

KKRO. C  
Channel = 218A  
Max ERP = 0.39 kW  
RCAMSL = 1172 M  
N. Lat = 40 54 28  
W. Lng = 122 26 41  
Protected  
60 dBu

KCHO BLED19860514KD  
Channel = 219B  
Max ERP = 7.7 kW  
RCAMSL = 1119 M  
N. Lat = 39 57 30  
W. Lng = 121 42 48  
Interfering  
54 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)
150.0	000.3900	0702.8	039.3	329.5	007.7000	0406.5	083.1	53.19
151.0	000.3900	0706.6	039.4	329.0	007.7000	0406.5	083.0	53.22
152.0	000.3900	0717.6	039.8	328.5	007.7000	0406.5	082.7	53.32
153.0	000.3900	0732.8	040.2	328.0	007.7000	0411.6	082.3	53.62
154.0	000.3900	0745.6	040.6	327.5	007.7000	0414.6	082.0	53.82
155.0	000.3900	0754.3	040.9	327.0	007.7000	0414.6	081.8	53.87
156.0	000.3900	0760.7	041.1	326.4	007.7000	0415.4	081.8	53.92
157.0	000.3900	0765.7	041.2	325.9	007.7000	0415.4	081.7	53.92
158.0	000.3900	0767.4	041.3	325.4	007.7000	0416.0	081.9	53.90
159.0	000.3900	0764.1	041.2	325.0	007.7000	0416.0	082.1	53.81
160.0	000.3900	0757.7	041.0	324.5	007.7000	0416.0	082.5	53.69
161.0	000.3900	0749.9	040.7	324.1	007.7000	0418.6	082.9	53.63
162.0	000.3900	0740.9	040.5	323.7	007.7000	0418.6	083.4	53.47
163.0	000.3900	0725.6	040.0	323.3	007.7000	0424.4	084.0	53.43
164.0	000.3900	0704.2	039.4	323.1	007.7000	0424.4	084.9	53.15