

```
[FormatInfo]
format_ver=1
[GeoMain]
ntc_id=9000021
adm=USA
sat_name=USABSS-21
long_nom=-101.0000
n_diag=1
[COHeader]
beam_id=RB06
emi_rcp=E
polar_disc=X
reason=B
n_bore=1
n_cont=6
[B1]
gain=0.00
p=-86.9140;35.0460
[C1]
gain=-30.00
n_point=112
P1=-82.0000 ;38.1870
P2=-81.9460 ;38.0000
P3=-81.8735 ;37.7500
P4=-81.8010 ;37.5000
P5=-81.8105 ;37.2500
P6=-81.8200 ;37.0000
P7=-81.7925 ;36.7500
P8=-81.7650 ;36.5000
P9=-81.7625 ;36.2500
P10=-81.7600 ;36.0000
P11=-81.8140 ;35.7500
P12=-81.8680 ;35.5000
P13=-81.9010 ;35.2500
P14=-81.9340 ;35.0000
P15=-82.0000 ;34.8520
P16=-82.1010 ;34.5000
P17=-82.1715 ;34.2500
P18=-82.2420 ;34.0000
P19=-82.3200 ;33.7500
P20=-82.3980 ;33.5000
P21=-82.5000 ;33.3130
P22=-82.6270 ;33.0000
P23=-82.7135 ;32.7500
P24=-82.8000 ;32.5000
P25=-83.0000 ;32.1950
P26=-83.1090 ;32.0000
P27=-83.2630 ;31.7500
P28=-83.4170 ;31.5000
P29=-83.5000 ;31.3980
P30=-83.6500 ;31.1990
P31=-83.8000 ;31.0000
P32=-84.0000 ;30.7800
P33=-84.3080 ;30.5000
P34=-84.5000 ;30.3350
P35=-84.7500 ;30.1905
P36=-85.0000 ;30.0460
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P37=-85.0980 ;30.0000
P38=-85.5000 ;29.7960
P39=-86.0000 ;29.6790
P40=-86.5000 ;29.6320
P41=-87.0000 ;29.6520
P42=-87.5000 ;29.7300
P43=-88.0000 ;29.8310
P44=-88.3430 ;30.0000
P45=-88.5000 ;30.0710
P46=-88.7500 ;30.1565
P47=-89.0000 ;30.2420
P48=-89.3140 ;30.5000
P49=-89.5000 ;30.6380
P50=-89.7085 ;30.8190
P51=-89.9170 ;31.0000
P52=-90.0000 ;31.0760
P53=-90.2500 ;31.2690
P54=-90.5000 ;31.4620
P55=-90.5510 ;31.5000
P56=-90.7040 ;31.7500
P57=-90.8570 ;32.0000
P58=-91.0000 ;32.2040
P59=-91.3390 ;32.5000
P60=-91.3995 ;32.7500
P61=-91.4600 ;33.0000
P62=-91.5000 ;33.0990
P63=-91.6480 ;33.2995
P64=-91.7960 ;33.5000
P65=-91.8430 ;33.7500
P66=-91.8900 ;34.0000
P67=-91.9005 ;34.2500
P68=-91.9110 ;34.5000
P69=-91.9150 ;34.7500
P70=-91.9190 ;35.0000
P71=-91.9195 ;35.2500
P72=-91.9200 ;35.5000
P73=-91.9095 ;35.7500
P74=-91.8990 ;36.0000
P75=-91.8620 ;36.2500
P76=-91.8250 ;36.5000
P77=-91.7520 ;36.7500
P78=-91.6790 ;37.0000
P79=-91.5000 ;37.3340
P80=-91.4300 ;37.5000
P81=-91.3015 ;37.7500
P82=-91.1730 ;38.0000
P83=-91.0000 ;38.2170
P84=-90.7920 ;38.5000
P85=-90.5000 ;38.7980
P86=-90.2940 ;39.0000
P87=-90.0000 ;39.2340
P88=-89.6030 ;39.5000
P89=-89.5000 ;39.5670
P90=-89.0000 ;39.7930
P91=-88.5000 ;39.9960
P92=-88.4910 ;40.0000
P93=-88.0000 ;40.2020

P94=-87.5000 ;40.2920
P95=-87.0000 ;40.3340
P96=-86.5000 ;40.3780
P97=-86.0000 ;40.4380
P98=-85.5000 ;40.4790
P99=-85.0000 ;40.4480
P100=-84.5000 ;40.3070
P101=-84.0000 ;40.0910
P102=-83.7060 ;40.0000
P103=-83.5000 ;39.8710
P104=-83.2500 ;39.7170
P105=-83.0000 ;39.5630
P106=-82.8980 ;39.5000
P107=-82.6990 ;39.2950
P108=-82.5000 ;39.0900
P109=-82.4260 ;39.0000
P110=-82.2905 ;38.7500
P111=-82.1550 ;38.5000
P112=-82.0000 ;38.1870

[C2]

gain=-20.00
n_point=111
P1=-82.5000 ;37.8760
P2=-82.4120 ;37.5000
P3=-82.3835 ;37.2500
P4=-82.3550 ;37.0000
P5=-82.3405 ;36.7500
P6=-82.3260 ;36.5000
P7=-82.3395 ;36.2500
P8=-82.3530 ;36.0000
P9=-82.3870 ;35.7500
P10=-82.4210 ;35.5000
P11=-82.4605 ;35.2505
P12=-82.5000 ;35.0010
P13=-82.5000 ;35.0000
P14=-82.5790 ;34.7500
P15=-82.6580 ;34.5000
P16=-82.7500 ;34.2500
P17=-82.8420 ;34.0000
P18=-82.9210 ;33.7905
P19=-83.0000 ;33.5810
P20=-83.0410 ;33.5000
P21=-83.1750 ;33.2500
P22=-83.3090 ;33.0000
P23=-83.5000 ;32.6430
P24=-83.5950 ;32.5000
P25=-83.7750 ;32.2500
P26=-83.9550 ;32.0000
P27=-84.0000 ;31.9410
P28=-84.2035 ;31.7205
P29=-84.4070 ;31.5000
P30=-84.5000 ;31.4060
P31=-84.7395 ;31.2030
P32=-84.9790 ;31.0000
P33=-85.0000 ;30.9840
P34=-85.2500 ;30.8365
P35=-85.5000 ;30.6890

P36=-85.8970 ;30.5000
P37=-86.0000 ;30.4600
P38=-86.2500 ;30.4005
P39=-86.5000 ;30.3410
P40=-86.7500 ;30.3140
P41=-87.0000 ;30.2870
P42=-87.2500 ;30.2965
P43=-87.5000 ;30.3060
P44=-87.7500 ;30.3500
P45=-88.0000 ;30.3940
P46=-88.4120 ;30.5000
P47=-88.5000 ;30.5330
P48=-88.7500 ;30.6730
P49=-89.0000 ;30.8130
P50=-89.3100 ;31.0000
P51=-89.5000 ;31.1470
P52=-89.7095 ;31.3235
P53=-89.9190 ;31.5000
P54=-90.0000 ;31.5810
P55=-90.1660 ;31.7905
P56=-90.3320 ;32.0000
P57=-90.5000 ;32.2370
P58=-90.6480 ;32.5000
P59=-90.7770 ;32.7500
P60=-90.9060 ;33.0000
P61=-91.0000 ;33.2340
P62=-91.0810 ;33.5000
P63=-91.1375 ;33.7500
P64=-91.1940 ;34.0000
P65=-91.2280 ;34.2500
P66=-91.2620 ;34.5000
P67=-91.2695 ;34.7500
P68=-91.2770 ;35.0000
P69=-91.2590 ;35.2500
P70=-91.2410 ;35.5000
P71=-91.2010 ;35.7500
P72=-91.1610 ;36.0000
P73=-91.0995 ;36.2500
P74=-91.0380 ;36.5000
P75=-91.0000 ;36.6100
P76=-90.9150 ;36.8050
P77=-90.8300 ;37.0000
P78=-90.6995 ;37.2500
P79=-90.5690 ;37.5000
P80=-90.5000 ;37.6110
P81=-90.3570 ;37.8055
P82=-90.2140 ;38.0000
P83=-90.0000 ;38.2540
P84=-89.7630 ;38.5000
P85=-89.5000 ;38.7310
P86=-89.1610 ;39.0000
P87=-89.0000 ;39.0980
P88=-88.7500 ;39.2385
P89=-88.5000 ;39.3790
P90=-88.2620 ;39.5000
P91=-88.0000 ;39.5900
P92=-87.7500 ;39.6665

P93=-87.5000 ;39.7430
P94=-87.2500 ;39.8065
P95=-87.0000 ;39.8700
P96=-86.5000 ;39.9530
P97=-86.0000 ;39.9880
P98=-85.5000 ;39.9690
P99=-85.0000 ;39.8950
P100=-84.7500 ;39.8235
P101=-84.5000 ;39.7520
P102=-84.2500 ;39.6550
P103=-84.0000 ;39.5580
P104=-83.8730 ;39.5000
P105=-83.5000 ;39.2410
P106=-83.2200 ;39.0000
P107=-83.0000 ;38.7640
P108=-82.8130 ;38.5000
P109=-82.6795 ;38.2500
P110=-82.5460 ;38.0000
P111=-82.5000 ;37.8760

[C3]

gain=-10.00

n_point=97

P1=-83.5000 ;37.0330
P2=-83.4900 ;37.0000
P3=-83.4505 ;36.7500
P4=-83.4110 ;36.5000
P5=-83.4050 ;36.2500
P6=-83.3990 ;36.0000
P7=-83.4185 ;35.7500
P8=-83.4380 ;35.5000
P9=-83.4690 ;35.3255
P10=-83.5000 ;35.1510
P11=-83.5330 ;35.0000
P12=-83.6155 ;34.7500
P13=-83.6980 ;34.5000
P14=-83.7965 ;34.2500
P15=-83.8950 ;34.0000
P16=-84.0000 ;33.7800
P17=-84.1600 ;33.5000
P18=-84.3200 ;33.2500
P19=-84.4800 ;33.0000
P20=-84.5000 ;32.9720
P21=-84.7030 ;32.7360
P22=-84.9060 ;32.5000
P23=-85.0000 ;32.4040
P24=-85.2370 ;32.2020
P25=-85.4740 ;32.0000
P26=-85.5000 ;31.9810
P27=-85.7500 ;31.8365
P28=-86.0000 ;31.6920
P29=-86.2225 ;31.5960
P30=-86.4450 ;31.5000
P31=-86.5000 ;31.4800
P32=-86.7500 ;31.4340
P33=-87.0000 ;31.3880
P34=-87.2500 ;31.3830
P35=-87.5000 ;31.3780

P36=-87.7500 ;31.4160
P37=-88.0000 ;31.4540
P38=-88.1370 ;31.5000
P39=-88.3185 ;31.5745
P40=-88.5000 ;31.6490
P41=-88.7500 ;31.7995
P42=-89.0000 ;31.9500
P43=-89.0610 ;32.0000
P44=-89.2805 ;32.2230
P45=-89.5000 ;32.4460
P46=-89.5410 ;32.5000
P47=-89.6945 ;32.7500
P48=-89.8480 ;33.0000
P49=-89.9240 ;33.1600
P50=-90.0000 ;33.3200
P51=-90.0680 ;33.5000
P52=-90.1280 ;33.7500
P53=-90.1880 ;34.0000
P54=-90.2170 ;34.2500
P55=-90.2460 ;34.5000
P56=-90.2435 ;34.7500
P57=-90.2410 ;35.0000
P58=-90.2070 ;35.2500
P59=-90.1730 ;35.5000
P60=-90.1105 ;35.7500
P61=-90.0480 ;36.0000
P62=-90.0000 ;36.1370
P63=-89.9205 ;36.3185
P64=-89.8410 ;36.5000
P65=-89.7000 ;36.7500
P66=-89.5590 ;37.0000
P67=-89.5000 ;37.0860
P68=-89.3285 ;37.2930
P69=-89.1570 ;37.5000
P70=-89.0000 ;37.6650
P71=-88.8095 ;37.8325
P72=-88.6190 ;38.0000
P73=-88.5000 ;38.0890
P74=-88.2500 ;38.2445
P75=-88.0000 ;38.4000
P76=-87.7980 ;38.5000
P77=-87.5000 ;38.6230
P78=-87.2500 ;38.6980
P79=-87.0000 ;38.7730
P80=-86.7500 ;38.8185
P81=-86.5000 ;38.8640
P82=-86.2500 ;38.8740
P83=-86.0000 ;38.8840
P84=-85.7500 ;38.8535
P85=-85.5000 ;38.8230
P86=-85.2500 ;38.7540
P87=-85.0000 ;38.6850
P88=-84.7965 ;38.5925
P89=-84.5930 ;38.5000
P90=-84.5000 ;38.4430
P91=-84.2500 ;38.2275
P92=-84.0000 ;38.0120

P93=-83.9890 ;38.0000
P94=-83.8355 ;37.7500
P95=-83.6820 ;37.5000
P96=-83.5910 ;37.2665
P97=-83.5000 ;37.0330
[C4]
gain=-6.00
n_point=94
P1=-84.5000 ;37.2380
P2=-84.4340 ;37.1190
P3=-84.3680 ;37.0000
P4=-84.3113 ;36.8333
P5=-84.2547 ;36.6667
P6=-84.1980 ;36.5000
P7=-84.1733 ;36.3333
P8=-84.1487 ;36.1667
P9=-84.1240 ;36.0000
P10=-84.1310 ;35.8333
P11=-84.1380 ;35.6667
P12=-84.1450 ;35.5000
P13=-84.1767 ;35.3333
P14=-84.2083 ;35.1667
P15=-84.2400 ;35.0000
P16=-84.2900 ;34.8333
P17=-84.3400 ;34.6667
P18=-84.3900 ;34.5000
P19=-84.4450 ;34.3645
P20=-84.5000 ;34.2290
P21=-84.6120 ;34.0000
P22=-84.7150 ;33.8333
P23=-84.8180 ;33.6667
P24=-84.9210 ;33.5000
P25=-85.0000 ;33.3930
P26=-85.1755 ;33.1965
P27=-85.3510 ;33.0000
P28=-85.5000 ;32.8540
P29=-85.6533 ;32.7360
P30=-85.8067 ;32.6180
P31=-85.9600 ;32.5000
P32=-86.0000 ;32.4740
P33=-86.2500 ;32.3620
P34=-86.5000 ;32.2500
P35=-86.7500 ;32.1855
P36=-87.0000 ;32.1210
P37=-87.2500 ;32.1125
P38=-87.5000 ;32.1040
P39=-87.7500 ;32.1645
P40=-88.0000 ;32.2250
P41=-88.2500 ;32.3450
P42=-88.5000 ;32.4650
P43=-88.5460 ;32.5000
P44=-88.6973 ;32.6460
P45=-88.8487 ;32.7920
P46=-89.0000 ;32.9380
P47=-89.0490 ;33.0000
P48=-89.1440 ;33.1667
P49=-89.2390 ;33.3333

P50=-89.3340 ;33.5000
P51=-89.4170 ;33.7360
P52=-89.5000 ;33.9720
P53=-89.5080 ;34.0000
P54=-89.5307 ;34.1667
P55=-89.5533 ;34.3333
P56=-89.5760 ;34.5000
P57=-89.5753 ;34.6667
P58=-89.5747 ;34.8333
P59=-89.5740 ;35.0000
P60=-89.5370 ;35.2135
P61=-89.5000 ;35.4270
P62=-89.4840 ;35.5000
P63=-89.4227 ;35.6667
P64=-89.3613 ;35.8333
P65=-89.3000 ;36.0000
P66=-89.2163 ;36.1667
P67=-89.1327 ;36.3333
P68=-89.0490 ;36.5000
P69=-89.0000 ;36.5750
P70=-88.8873 ;36.7167
P71=-88.7747 ;36.8583
P72=-88.6620 ;37.0000
P73=-88.5000 ;37.1660
P74=-88.2990 ;37.3330
P75=-88.0980 ;37.5000
P76=-88.0000 ;37.5690
P77=-87.7500 ;37.7030
P78=-87.5000 ;37.8370
P79=-87.2845 ;37.9185
P80=-87.0690 ;38.0000
P81=-87.0000 ;38.0220
P82=-86.7500 ;38.0595
P83=-86.5000 ;38.0970
P84=-86.2500 ;38.0950
P85=-86.0000 ;38.0930
P86=-85.7500 ;38.0480
P87=-85.5000 ;38.0030
P88=-85.4930 ;38.0000
P89=-85.2465 ;37.8685
P90=-85.0000 ;37.7370
P91=-84.8560 ;37.6185
P92=-84.7120 ;37.5000
P93=-84.6060 ;37.3690
P94=-84.5000 ;37.2380
[C5]
gain=-4.00
n_point=90
P1=-85.0000 ;36.9580
P2=-84.9217 ;36.8053
P3=-84.8433 ;36.6527
P4=-84.7650 ;36.5000
P5=-84.7217 ;36.3333
P6=-84.6783 ;36.1667
P7=-84.6350 ;36.0000
P8=-84.6293 ;35.8333
P9=-84.6237 ;35.6667

P10=-84.6180 ;35.5000
P11=-84.6487 ;35.3333
P12=-84.6793 ;35.1667
P13=-84.7100 ;35.0000
P14=-84.7637 ;34.8333
P15=-84.8173 ;34.6667
P16=-84.8710 ;34.5000
P17=-84.9355 ;34.3565
P18=-85.0000 ;34.2130
P19=-85.0590 ;34.1065
P20=-85.1180 ;34.0000
P21=-85.2377 ;33.8333
P22=-85.3573 ;33.6667
P23=-85.4770 ;33.5000
P24=-85.5000 ;33.4740
P25=-85.6667 ;33.3273
P26=-85.8333 ;33.1807
P27=-86.0000 ;33.0340
P28=-86.0540 ;33.0000
P29=-86.2027 ;32.9230
P30=-86.3513 ;32.8460
P31=-86.5000 ;32.7690
P32=-86.6667 ;32.7210
P33=-86.8333 ;32.6730
P34=-87.0000 ;32.6250
P35=-87.1667 ;32.6257
P36=-87.3333 ;32.6263
P37=-87.5000 ;32.6270
P38=-87.6667 ;32.6767
P39=-87.8333 ;32.7263
P40=-88.0000 ;32.7760
P41=-88.1790 ;32.8880
P42=-88.3580 ;33.0000
P43=-88.5000 ;33.1230
P44=-88.5983 ;33.2487
P45=-88.6967 ;33.3743
P46=-88.7950 ;33.5000
P47=-88.8633 ;33.6433
P48=-88.9317 ;33.7867
P49=-89.0000 ;33.9300
P50=-89.0240 ;34.0000
P51=-89.0513 ;34.1667
P52=-89.0787 ;34.3333
P53=-89.1060 ;34.5000
P54=-89.1057 ;34.6667
P55=-89.1053 ;34.8333
P56=-89.1050 ;35.0000
P57=-89.0737 ;35.1667
P58=-89.0423 ;35.3333
P59=-89.0110 ;35.5000
P60=-89.0000 ;35.5330
P61=-88.9313 ;35.6887
P62=-88.8627 ;35.8443
P63=-88.7940 ;36.0000
P64=-88.6960 ;36.1657
P65=-88.5980 ;36.3313
P66=-88.5000 ;36.4970

P67=-88.4970 ;36.5000
P68=-88.3735 ;36.6250
P69=-88.2500 ;36.7500
P70=-88.1265 ;36.8750
P71=-88.0030 ;37.0000
P72=-88.0000 ;37.0020
P73=-87.8333 ;37.1013
P74=-87.6667 ;37.2007
P75=-87.5000 ;37.3000
P76=-87.3350 ;37.3667
P77=-87.1700 ;37.4333
P78=-87.0050 ;37.5000
P79=-87.0000 ;37.5020
P80=-86.7500 ;37.5390
P81=-86.5000 ;37.5760
P82=-86.2500 ;37.5650
P83=-86.0000 ;37.5540
P84=-85.8170 ;37.5000
P85=-85.6585 ;37.4330
P86=-85.5000 ;37.3660
P87=-85.3447 ;37.2440
P88=-85.1893 ;37.1220
P89=-85.0340 ;37.0000
P90=-85.0000 ;36.9580

[C6]

gain=-2.00

n_point=81

P1=-85.5000 ;36.2890
P2=-85.4560 ;36.1927
P3=-85.4120 ;36.0963
P4=-85.3680 ;36.0000
P5=-85.3480 ;35.8750
P6=-85.3280 ;35.7500
P7=-85.3080 ;35.6250
P8=-85.2880 ;35.5000
P9=-85.3030 ;35.3750
P10=-85.3180 ;35.2500
P11=-85.3330 ;35.1250
P12=-85.3480 ;35.0000
P13=-85.3860 ;34.8820
P14=-85.4240 ;34.7640
P15=-85.4620 ;34.6460
P16=-85.5000 ;34.5280
P17=-85.5120 ;34.5000
P18=-85.5970 ;34.3750
P19=-85.6820 ;34.2500
P20=-85.7670 ;34.1250
P21=-85.8520 ;34.0000
P22=-85.9260 ;33.9180
P23=-86.0000 ;33.8360
P24=-86.1073 ;33.7520
P25=-86.2145 ;33.6680
P26=-86.3217 ;33.5840
P27=-86.4290 ;33.5000
P28=-86.5000 ;33.4570
P29=-86.6667 ;33.4113
P30=-86.8333 ;33.3657

P31=-86.9167 ;33.3428
P32=-87.0000 ;33.3200
P33=-87.1667 ;33.3287
P34=-87.3333 ;33.3373
P35=-87.5000 ;33.3460
P36=-87.6197 ;33.3973
P37=-87.7393 ;33.4487
P38=-87.8590 ;33.5000
P39=-87.9295 ;33.5510
P40=-88.0000 ;33.6020
P41=-88.0718 ;33.7015
P42=-88.1435 ;33.8010
P43=-88.2152 ;33.9005
P44=-88.2870 ;34.0000
P45=-88.3350 ;34.1250
P46=-88.3830 ;34.2500
P47=-88.4310 ;34.3750
P48=-88.4790 ;34.5000
P49=-88.4808 ;34.6250
P50=-88.4825 ;34.7500
P51=-88.4843 ;34.8750
P52=-88.4860 ;35.0000
P53=-88.4485 ;35.1250
P54=-88.4110 ;35.2500
P55=-88.3735 ;35.3750
P56=-88.3360 ;35.5000
P57=-88.2692 ;35.6250
P58=-88.2025 ;35.7500
P59=-88.1357 ;35.8750
P60=-88.0690 ;36.0000
P61=-88.0000 ;36.0900
P62=-87.8917 ;36.1925
P63=-87.7835 ;36.2950
P64=-87.6753 ;36.3975
P65=-87.5670 ;36.5000
P66=-87.5000 ;36.5500
P67=-87.3750 ;36.6065
P68=-87.2500 ;36.6630
P69=-87.1250 ;36.7195
P70=-87.0000 ;36.7760
P71=-86.8333 ;36.8007
P72=-86.6667 ;36.8253
P73=-86.5000 ;36.8500
P74=-86.3333 ;36.8077
P75=-86.1667 ;36.7653
P76=-86.0000 ;36.7230
P77=-85.8913 ;36.6487
P78=-85.7827 ;36.5743
P79=-85.6740 ;36.5000
P80=-85.5870 ;36.3945
P81=-85.5000 ;36.2890