

```
[FormatInfo]
format_ver=1
[GeoMain]
ntc_id=9000021
adm=USA
sat_name=USABSS-21
long_nom=-101.0000
n_diag=1
[COHeader]
beam_id=BB24
emi_rcp=E
polar_disc=X
reason=B
n_bore=1
n_cont=9
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p=-89.5680;34.5910
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gain=-2.00
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P1=-88.0000 ;35.6560
P2=-87.9330 ;35.5000
P3=-87.9033 ;35.3333
P4=-87.8737 ;35.1667
P5=-87.8440 ;35.0000
P6=-87.8557 ;34.8333
P7=-87.8673 ;34.6667
P8=-87.8790 ;34.5000
P9=-87.9193 ;34.3353
P10=-87.9597 ;34.1707
P11=-88.0000 ;34.0060
P12=-88.0020 ;34.0000
P13=-88.0685 ;33.8750
P14=-88.1350 ;33.7500
P15=-88.2015 ;33.6250
P16=-88.2680 ;33.5000
P17=-88.3453 ;33.3970
P18=-88.4227 ;33.2940
P19=-88.5000 ;33.1910
P20=-88.5950 ;33.0955
P21=-88.6900 ;33.0000
P22=-88.7933 ;32.9183
P23=-88.8967 ;32.8367
P24=-89.0000 ;32.7550
P25=-89.1580 ;32.6700
P26=-89.3160 ;32.5850
P27=-89.4740 ;32.5000
P28=-89.5000 ;32.4890
P29=-89.6667 ;32.4633
P30=-89.8333 ;32.4377
P31=-90.0000 ;32.4120
P32=-90.1667 ;32.4323
P33=-90.3333 ;32.4527
P34=-90.5000 ;32.4730
P35=-90.5630 ;32.5000
P36=-90.7087 ;32.5860
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P37=-90.8543 ;32.6720  
P38=-91.0000 ;32.7580  
P39=-91.1165 ;32.8790  
P40=-91.2330 ;33.0000  
P41=-91.3220 ;33.1480  
P42=-91.4110 ;33.2960  
P43=-91.5000 ;33.4440  
P44=-91.5230 ;33.5000  
P45=-91.5520 ;33.6667  
P46=-91.5810 ;33.8333  
P47=-91.6100 ;34.0000  
P48=-91.6053 ;34.1667  
P49=-91.6007 ;34.3333  
P50=-91.5960 ;34.5000  
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P52=-91.5320 ;34.7773  
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P58=-91.2040 ;35.5000  
P59=-91.1020 ;35.6375  
P60=-91.0000 ;35.7750  
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P65=-90.3333 ;36.3053  
P66=-90.1667 ;36.3937  
P67=-90.0000 ;36.4820  
P68=-89.9090 ;36.5000  
P69=-89.7045 ;36.5325  
P70=-89.5000 ;36.5650  
P71=-89.3333 ;36.5503  
P72=-89.1667 ;36.5357  
P73=-89.0000 ;36.5210  
P74=-88.9390 ;36.5000  
P75=-88.7927 ;36.4267  
P76=-88.6463 ;36.3533  
P77=-88.5000 ;36.2800  
P78=-88.4070 ;36.1867  
P79=-88.3140 ;36.0933  
P80=-88.2210 ;36.0000  
P81=-88.1473 ;35.8853  
P82=-88.0737 ;35.7707  
P83=-88.0000 ;35.6560  
[C2]  
gain=-4.00  
n\_point=91  
P1=-87.5000 ;36.5260  
P2=-87.4820 ;36.5000  
P3=-87.4030 ;36.3333  
P4=-87.3240 ;36.1667  
P5=-87.2450 ;36.0000  
P6=-87.2030 ;35.8333  
P7=-87.1610 ;35.6667

P8=-87.1190 ;35.5000  
P9=-87.1080 ;35.3333  
P10=-87.0970 ;35.1667  
P11=-87.0860 ;35.0000  
P12=-87.1057 ;34.8333  
P13=-87.1253 ;34.6667  
P14=-87.1450 ;34.5000  
P15=-87.1897 ;34.3333  
P16=-87.2343 ;34.1667  
P17=-87.2790 ;34.0000  
P18=-87.3437 ;33.8333  
P19=-87.4083 ;33.6667  
P20=-87.4730 ;33.5000  
P21=-87.5000 ;33.4490  
P22=-87.5970 ;33.2993  
P23=-87.6940 ;33.1497  
P24=-87.7910 ;33.0000  
P25=-87.8955 ;32.8635  
P26=-88.0000 ;32.7270  
P27=-88.1075 ;32.6135  
P28=-88.2150 ;32.5000  
P29=-88.3575 ;32.3700  
P30=-88.5000 ;32.2400  
P31=-88.6730 ;32.1200  
P32=-88.8460 ;32.0000  
P33=-89.0000 ;31.9110  
P34=-89.2500 ;31.8155  
P35=-89.5000 ;31.7200  
P36=-89.7500 ;31.6715  
P37=-90.0000 ;31.6230  
P38=-90.2500 ;31.6375  
P39=-90.5000 ;31.6520  
P40=-90.7500 ;31.7250  
P41=-91.0000 ;31.7980  
P42=-91.1765 ;31.8990  
P43=-91.3530 ;32.0000  
P44=-91.5000 ;32.1140  
P45=-91.6193 ;32.2427  
P46=-91.7387 ;32.3713  
P47=-91.8580 ;32.5000  
P48=-91.9290 ;32.6070  
P49=-92.0000 ;32.7140  
P50=-92.0695 ;32.8570  
P51=-92.1390 ;33.0000  
P52=-92.1883 ;33.1667  
P53=-92.2377 ;33.3333  
P54=-92.2870 ;33.5000  
P55=-92.3083 ;33.6667  
P56=-92.3297 ;33.8333  
P57=-92.3510 ;34.0000  
P58=-92.3443 ;34.1667  
P59=-92.3377 ;34.3333  
P60=-92.3310 ;34.5000  
P61=-92.2953 ;34.6667  
P62=-92.2597 ;34.8333  
P63=-92.2240 ;35.0000  
P64=-92.1657 ;35.1667

P65=-92.1073 ;35.3333  
P66=-92.0490 ;35.5000  
P67=-92.0000 ;35.5990  
P68=-91.8770 ;35.7995  
P69=-91.7540 ;36.0000  
P70=-91.6270 ;36.1720  
P71=-91.5000 ;36.3440  
P72=-91.3520 ;36.5000  
P73=-91.1760 ;36.6510  
P74=-91.0000 ;36.8020  
P75=-90.8495 ;36.9010  
P76=-90.6990 ;37.0000  
P77=-90.5000 ;37.1110  
P78=-90.2500 ;37.2065  
P79=-90.0000 ;37.3020  
P80=-89.7500 ;37.3535  
P81=-89.5000 ;37.4050  
P82=-89.2500 ;37.4025  
P83=-89.0000 ;37.4000  
P84=-88.7500 ;37.3400  
P85=-88.5000 ;37.2800  
P86=-88.2500 ;37.1610  
P87=-88.0000 ;37.0420  
P88=-87.9450 ;37.0000  
P89=-87.7967 ;36.8420  
P90=-87.6483 ;36.6840  
P91=-87.5000 ;36.5260

[C3]

gain=-6.00

n\_point=90

P1=-87.0000 ;36.9220  
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P3=-86.7870 ;36.5000  
P4=-86.7075 ;36.2500  
P5=-86.6280 ;36.0000  
P6=-86.5855 ;35.7500  
P7=-86.5430 ;35.5000  
P8=-86.5440 ;35.2500  
P9=-86.5450 ;35.0000  
P10=-86.5840 ;34.7500  
P11=-86.6230 ;34.5000  
P12=-86.6900 ;34.2500  
P13=-86.7570 ;34.0000  
P14=-86.8480 ;33.7500  
P15=-86.9390 ;33.5000  
P16=-87.0000 ;33.3730  
P17=-87.1065 ;33.1865  
P18=-87.2130 ;33.0000  
P19=-87.3565 ;32.7825  
P20=-87.5000 ;32.5650  
P21=-87.5510 ;32.5000  
P22=-87.7007 ;32.3340  
P23=-87.8503 ;32.1680  
P24=-88.0000 ;32.0020  
P25=-88.0030 ;32.0000  
P26=-88.2515 ;31.8095  
P27=-88.5000 ;31.6190

P28=-88.6920 ;31.5000  
P29=-88.8460 ;31.4185  
P30=-89.0000 ;31.3370  
P31=-89.2500 ;31.2465  
P32=-89.5000 ;31.1560  
P33=-89.7500 ;31.1085  
P34=-90.0000 ;31.0610  
P35=-90.2500 ;31.0630  
P36=-90.5000 ;31.0650  
P37=-90.7500 ;31.1225  
P38=-91.0000 ;31.1800  
P39=-91.2500 ;31.2895  
P40=-91.5000 ;31.3990  
P41=-91.6520 ;31.5000  
P42=-91.8260 ;31.6455  
P43=-92.0000 ;31.7910  
P44=-92.1860 ;32.0000  
P45=-92.3430 ;32.2300  
P46=-92.5000 ;32.4600  
P47=-92.5220 ;32.5000  
P48=-92.6220 ;32.7500  
P49=-92.7220 ;33.0000  
P50=-92.7800 ;33.2500  
P51=-92.8380 ;33.5000  
P52=-92.8605 ;33.7500  
P53=-92.8830 ;34.0000  
P54=-92.8720 ;34.2500  
P55=-92.8610 ;34.5000  
P56=-92.8135 ;34.7500  
P57=-92.7660 ;35.0000  
P58=-92.6885 ;35.2500  
P59=-92.6110 ;35.5000  
P60=-92.5000 ;35.7640  
P61=-92.3800 ;36.0000  
P62=-92.2225 ;36.2500  
P63=-92.0650 ;36.5000  
P64=-92.0000 ;36.5830  
P65=-91.8060 ;36.7915  
P66=-91.6120 ;37.0000  
P67=-91.5000 ;37.1050  
P68=-91.2500 ;37.2975  
P69=-91.0000 ;37.4900  
P70=-90.9820 ;37.5000  
P71=-90.7410 ;37.6230  
P72=-90.5000 ;37.7460  
P73=-90.2500 ;37.8365  
P74=-90.0000 ;37.9270  
P75=-89.8205 ;37.9635  
P76=-89.6410 ;38.0000  
P77=-89.5000 ;38.0250  
P78=-89.2500 ;38.0330  
P79=-89.0000 ;38.0410  
P80=-88.7030 ;38.0000  
P81=-88.5000 ;37.9650  
P82=-88.2500 ;37.8715  
P83=-88.0000 ;37.7780  
P84=-87.7630 ;37.6390

P85=-87.5260 ;37.5000  
P86=-87.5000 ;37.4800  
P87=-87.3513 ;37.3200  
P88=-87.2027 ;37.1600  
P89=-87.0540 ;37.0000  
P90=-87.0000 ;36.9220  
[C4]  
gain=-10.00  
n\_point=108  
P1=-86.0000 ;36.9320  
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P3=-85.8780 ;36.5000  
P4=-85.8355 ;36.2500  
P5=-85.7930 ;36.0000  
P6=-85.7810 ;35.7500  
P7=-85.7690 ;35.5000  
P8=-85.7845 ;35.2500  
P9=-85.8000 ;35.0000  
P10=-85.8390 ;34.7500  
P11=-85.8780 ;34.5000  
P12=-85.9340 ;34.2500  
P13=-85.9900 ;34.0000  
P14=-86.0000 ;33.9700  
P15=-86.0950 ;33.7350  
P16=-86.1900 ;33.5000  
P17=-86.3055 ;33.2500  
P18=-86.4210 ;33.0000  
P19=-86.5000 ;32.8490  
P20=-86.6090 ;32.6745  
P21=-86.7180 ;32.5000  
P22=-86.8590 ;32.2920  
P23=-87.0000 ;32.0840  
P24=-87.0670 ;32.0000  
P25=-87.2835 ;31.7580  
P26=-87.5000 ;31.5160  
P27=-87.5170 ;31.5000  
P28=-87.7585 ;31.2915  
P29=-88.0000 ;31.0830  
P30=-88.1150 ;31.0000  
P31=-88.3075 ;30.8800  
P32=-88.5000 ;30.7600  
P33=-88.7470 ;30.6300  
P34=-88.9940 ;30.5000  
P35=-89.0000 ;30.4980  
P36=-89.2500 ;30.4210  
P37=-89.5000 ;30.3440  
P38=-89.7500 ;30.3025  
P39=-90.0000 ;30.2610  
P40=-90.2500 ;30.2540  
P41=-90.5000 ;30.2470  
P42=-90.7500 ;30.2825  
P43=-91.0000 ;30.3180  
P44=-91.2500 ;30.3895  
P45=-91.5000 ;30.4610  
P46=-91.5860 ;30.5000  
P47=-91.7930 ;30.6205  
P48=-92.0000 ;30.7410

P49=-92.1760 ;30.8705  
P50=-92.3520 ;31.0000  
P51=-92.5000 ;31.1300  
P52=-92.6625 ;31.3150  
P53=-92.8250 ;31.5000  
P54=-93.0000 ;31.7440  
P55=-93.1490 ;32.0000  
P56=-93.2635 ;32.2500  
P57=-93.3780 ;32.5000  
P58=-93.4390 ;32.6790  
P59=-93.5000 ;32.8580  
P60=-93.5390 ;33.0000  
P61=-93.5790 ;33.2500  
P62=-93.6190 ;33.5000  
P63=-93.6335 ;33.7500  
P64=-93.6480 ;34.0000  
P65=-93.6395 ;34.2500  
P66=-93.6310 ;34.5000  
P67=-93.5955 ;34.7500  
P68=-93.5600 ;35.0000  
P69=-93.5000 ;35.2560  
P70=-93.4270 ;35.5000  
P71=-93.3305 ;35.7500  
P72=-93.2340 ;36.0000  
P73=-93.1180 ;36.2500  
P74=-93.0020 ;36.5000  
P75=-93.0000 ;36.5040  
P76=-92.8295 ;36.7520  
P77=-92.6590 ;37.0000  
P78=-92.5000 ;37.2090  
P79=-92.2340 ;37.5000  
P80=-92.0000 ;37.7340  
P81=-91.8415 ;37.8670  
P82=-91.6830 ;38.0000  
P83=-91.5000 ;38.1350  
P84=-91.2500 ;38.2925  
P85=-91.0000 ;38.4500  
P86=-90.8990 ;38.5000  
P87=-90.5000 ;38.6710  
P88=-90.2500 ;38.7530  
P89=-90.0000 ;38.8350  
P90=-89.7500 ;38.8865  
P91=-89.5000 ;38.9380  
P92=-89.2500 ;38.9525  
P93=-89.0000 ;38.9670  
P94=-88.7500 ;38.9465  
P95=-88.5000 ;38.9260  
P96=-88.2500 ;38.8670  
P97=-88.0000 ;38.8080  
P98=-87.7500 ;38.7060  
P99=-87.5000 ;38.6040  
P100=-87.3140 ;38.5000  
P101=-87.0000 ;38.2870  
P102=-86.8435 ;38.1435  
P103=-86.6870 ;38.0000  
P104=-86.5000 ;37.7920  
P105=-86.2900 ;37.5000

P106=-86.1575 ;37.2500  
P107=-86.0250 ;37.0000  
P108=-86.0000 ;36.9320  
[C5]  
gain=-20.00  
n\_point=113  
P1=-85.0000 ;37.6990  
P2=-84.9350 ;37.5000  
P3=-84.8800 ;37.2500  
P4=-84.8250 ;37.0000  
P5=-84.7910 ;36.7500  
P6=-84.7570 ;36.5000  
P7=-84.7365 ;36.2500  
P8=-84.7160 ;36.0000  
P9=-84.7305 ;35.7500  
P10=-84.7450 ;35.5000  
P11=-84.7810 ;35.2500  
P12=-84.8170 ;35.0000  
P13=-84.8585 ;34.7500  
P14=-84.9000 ;34.5000  
P15=-84.9445 ;34.2500  
P16=-84.9890 ;34.0000  
P17=-85.0000 ;33.9590  
P18=-85.0930 ;33.7295  
P19=-85.1860 ;33.5000  
P20=-85.2860 ;33.2500  
P21=-85.3860 ;33.0000  
P22=-85.5000 ;32.7260  
P23=-85.6330 ;32.5000  
P24=-85.7715 ;32.2500  
P25=-85.9100 ;32.0000  
P26=-86.0000 ;31.8520  
P27=-86.2610 ;31.5000  
P28=-86.5000 ;31.1780  
P29=-86.6580 ;31.0000  
P30=-86.8290 ;30.8155  
P31=-87.0000 ;30.6310  
P32=-87.1420 ;30.5000  
P33=-87.5000 ;30.1990  
P34=-87.7630 ;30.0000  
P35=-88.0000 ;29.8450  
P36=-88.2500 ;29.6945  
P37=-88.5000 ;29.5440  
P38=-88.5910 ;29.5000  
P39=-89.0000 ;29.3500  
P40=-89.5000 ;29.2110  
P41=-90.0000 ;29.1180  
P42=-90.5000 ;29.0990  
P43=-91.0000 ;29.1490  
P44=-91.5000 ;29.2740  
P45=-91.7500 ;29.3555  
P46=-92.0000 ;29.4370  
P47=-92.1520 ;29.5000  
P48=-92.5000 ;29.7110  
P49=-92.7255 ;29.8555  
P50=-92.9510 ;30.0000  
P51=-93.0000 ;30.0390

P52=-93.2495 ;30.2695  
P53=-93.4990 ;30.5000  
P54=-93.5000 ;30.5010  
P55=-93.6955 ;30.7505  
P56=-93.8910 ;31.0000  
P57=-94.0000 ;31.1640  
P58=-94.2050 ;31.5000  
P59=-94.3210 ;31.7500  
P60=-94.4370 ;32.0000  
P61=-94.5000 ;32.1720  
P62=-94.6280 ;32.5000  
P63=-94.6810 ;32.7500  
P64=-94.7340 ;33.0000  
P65=-94.7610 ;33.2500  
P66=-94.7880 ;33.5000  
P67=-94.7960 ;33.7500  
P68=-94.8040 ;34.0000  
P69=-94.7950 ;34.2500  
P70=-94.7860 ;34.5000  
P71=-94.7535 ;34.7500  
P72=-94.7210 ;35.0000  
P73=-94.6680 ;35.2500  
P74=-94.6150 ;35.5000  
P75=-94.5000 ;35.8560  
P76=-94.4510 ;36.0000  
P77=-94.3445 ;36.2500  
P78=-94.2380 ;36.5000  
P79=-94.1220 ;36.7500  
P80=-94.0060 ;37.0000  
P81=-94.0000 ;37.0090  
P82=-93.8340 ;37.2545  
P83=-93.6680 ;37.5000  
P84=-93.5000 ;37.7530  
P85=-93.3010 ;38.0000  
P86=-93.0000 ;38.3530  
P87=-92.8580 ;38.5000  
P88=-92.5000 ;38.8170  
P89=-92.2800 ;39.0000  
P90=-92.0000 ;39.1970  
P91=-91.5620 ;39.5000  
P92=-91.5000 ;39.5350  
P93=-91.0000 ;39.7790  
P94=-90.5090 ;40.0000  
P95=-90.5000 ;40.0030  
P96=-90.0000 ;40.1320  
P97=-89.5000 ;40.2240  
P98=-89.0000 ;40.2700  
P99=-88.5000 ;40.2620  
P100=-88.0000 ;40.1960  
P101=-87.5000 ;40.0770  
P102=-87.2750 ;40.0000  
P103=-87.0000 ;39.8820  
P104=-86.7500 ;39.7410  
P105=-86.5000 ;39.6000  
P106=-86.3570 ;39.5000  
P107=-86.0000 ;39.1980  
P108=-85.8210 ;39.0000

P109=-85.5000 ;38.6140  
P110=-85.4260 ;38.5000  
P111=-85.2865 ;38.2500  
P112=-85.1470 ;38.0000  
P113=-85.0000 ;37.6990  
[C6]  
gain=-30.00  
n\_point=82  
P1=-84.0000 ;38.6050  
P2=-84.0780 ;38.8025  
P3=-84.1560 ;39.0000  
P4=-84.2707 ;39.1667  
P5=-84.3853 ;39.3333  
P6=-84.5000 ;39.5000  
P7=-84.6667 ;39.6613  
P8=-84.8333 ;39.8227  
P9=-85.0000 ;39.9840  
P10=-85.0270 ;40.0000  
P11=-85.1847 ;40.1327  
P12=-85.3423 ;40.2653  
P13=-85.5000 ;40.3980  
P14=-85.6880 ;40.5000  
P15=-85.8440 ;40.5875  
P16=-86.0000 ;40.6750  
P17=-86.1960 ;40.5875  
P18=-86.3920 ;40.5000  
P19=-86.1960 ;40.3375  
P20=-86.0000 ;40.1750  
P21=-85.9070 ;40.0000  
P22=-85.7035 ;39.7995  
P23=-85.5000 ;39.5990  
P24=-85.4380 ;39.5000  
P25=-85.3550 ;39.3333  
P26=-85.2720 ;39.1667  
P27=-85.1890 ;39.0000  
P28=-85.0945 ;38.8825  
P29=-85.0000 ;38.7650  
P30=-84.9090 ;38.6325  
P31=-84.8180 ;38.5000  
P32=-84.7420 ;38.3333  
P33=-84.6660 ;38.1667  
P34=-84.5900 ;38.0000  
P35=-84.5000 ;37.8150  
P36=-84.4390 ;37.6575  
P37=-84.3780 ;37.5000  
P38=-84.3190 ;37.3333  
P39=-84.2600 ;37.1667  
P40=-84.2010 ;37.0000  
P41=-84.2430 ;36.7500  
P42=-84.2850 ;36.5000  
P43=-84.2755 ;36.2500  
P44=-84.2660 ;36.0000  
P45=-84.2055 ;35.7500  
P46=-84.1450 ;35.5000  
P47=-84.1755 ;35.2500  
P48=-84.2060 ;35.0000  
P49=-84.2495 ;34.7500

P50=-84.2930 ;34.5000  
P51=-84.3965 ;34.3080  
P52=-84.5000 ;34.1160  
P53=-84.5270 ;34.0000  
P54=-84.5430 ;33.7500  
P55=-84.5590 ;33.5000  
P56=-84.5000 ;33.2670  
P57=-84.4150 ;33.5000  
P58=-84.3765 ;33.7500  
P59=-84.3380 ;34.0000  
P60=-84.1690 ;34.0770  
P61=-84.0000 ;34.1540  
P62=-83.9285 ;34.3270  
P63=-83.8570 ;34.5000  
P64=-83.8430 ;34.7500  
P65=-83.8290 ;35.0000  
P66=-83.8200 ;35.2500  
P67=-83.8110 ;35.5000  
P68=-83.7560 ;35.6667  
P69=-83.7010 ;35.8333  
P70=-83.6460 ;36.0000  
P71=-83.6475 ;36.2500  
P72=-83.6490 ;36.5000  
P73=-83.6950 ;36.7500  
P74=-83.7410 ;37.0000  
P75=-83.6950 ;37.2500  
P76=-83.6490 ;37.5000  
P77=-83.7163 ;37.6667  
P78=-83.7837 ;37.8333  
P79=-83.8510 ;38.0000  
P80=-83.8930 ;38.2500  
P81=-83.9350 ;38.5000  
P82=-84.0000 ;38.6050

[C7]

gain=-30.00

n\_point=77

P1=-91.5000 ;40.7790  
P2=-91.6667 ;40.7533  
P3=-91.8333 ;40.7277  
P4=-92.0000 ;40.7020  
P5=-92.1123 ;40.6347  
P6=-92.2247 ;40.5673  
P7=-92.3370 ;40.5000  
P8=-92.4185 ;40.4585  
P9=-92.5000 ;40.4170  
P10=-92.6250 ;40.3450  
P11=-92.7500 ;40.2730  
P12=-92.8750 ;40.2010  
P13=-93.0000 ;40.1290  
P14=-93.0725 ;40.0645  
P15=-93.1450 ;40.0000  
P16=-93.2337 ;39.9268  
P17=-93.3225 ;39.8535  
P18=-93.4113 ;39.7803  
P19=-93.5000 ;39.7070  
P20=-93.6005 ;39.6035  
P21=-93.7010 ;39.5000

P22=-93.7757 ;39.3923  
P23=-93.8505 ;39.2845  
P24=-93.9252 ;39.1768  
P25=-94.0000 ;39.0690  
P26=-94.0570 ;39.0000  
P27=-94.1092 ;38.9000  
P28=-94.1614 ;38.8000  
P29=-94.2136 ;38.7000  
P30=-94.2658 ;38.6000  
P31=-94.3180 ;38.5000  
P32=-94.3635 ;38.3890  
P33=-94.4090 ;38.2780  
P34=-94.4545 ;38.1670  
P35=-94.5000 ;38.0560  
P36=-94.5270 ;38.0000  
P37=-94.5135 ;37.9310  
P38=-94.5000 ;37.8620  
P39=-94.4370 ;37.9310  
P40=-94.3740 ;38.0000  
P41=-94.2493 ;38.0293  
P42=-94.1247 ;38.0587  
P43=-94.0000 ;38.0880  
P44=-93.9153 ;38.1910  
P45=-93.8305 ;38.2940  
P46=-93.7457 ;38.3970  
P47=-93.6610 ;38.5000  
P48=-93.5805 ;38.5570  
P49=-93.5000 ;38.6140  
P50=-93.3997 ;38.7105  
P51=-93.2995 ;38.8070  
P52=-93.1993 ;38.9035  
P53=-93.0990 ;39.0000  
P54=-93.0000 ;39.0870  
P55=-92.9000 ;39.1636  
P56=-92.8000 ;39.2402  
P57=-92.7000 ;39.3168  
P58=-92.6000 ;39.3934  
P59=-92.5000 ;39.4700  
P60=-92.4630 ;39.5000  
P61=-92.3473 ;39.5935  
P62=-92.2315 ;39.6870  
P63=-92.1157 ;39.7805  
P64=-92.0000 ;39.8740  
P65=-91.9050 ;39.9370  
P66=-91.8100 ;40.0000  
P67=-91.7325 ;40.0800  
P68=-91.6550 ;40.1600  
P69=-91.5775 ;40.2400  
P70=-91.5000 ;40.3200  
P71=-91.3557 ;40.3800  
P72=-91.2113 ;40.4400  
P73=-91.0670 ;40.5000  
P74=-91.1753 ;40.5697  
P75=-91.2835 ;40.6395  
P76=-91.3917 ;40.7092  
P77=-91.5000 ;40.7790

[C8]

gain=-30.00  
n\_point=77  
P1=-89.0000 ;28.5800  
P2=-89.1250 ;28.5817  
P3=-89.2500 ;28.5835  
P4=-89.3750 ;28.5853  
P5=-89.5000 ;28.5870  
P6=-89.6250 ;28.5823  
P7=-89.7500 ;28.5775  
P8=-89.8750 ;28.5728  
P9=-90.0000 ;28.5680  
P10=-90.1250 ;28.5737  
P11=-90.2500 ;28.5795  
P12=-90.3750 ;28.5853  
P13=-90.5000 ;28.5910  
P14=-90.6250 ;28.6165  
P15=-90.7500 ;28.6420  
P16=-90.8750 ;28.6675  
P17=-91.0000 ;28.6930  
P18=-91.1250 ;28.7340  
P19=-91.2500 ;28.7750  
P20=-91.3750 ;28.8160  
P21=-91.5000 ;28.8570  
P22=-91.6250 ;28.8475  
P23=-91.7500 ;28.8380  
P24=-91.8750 ;28.8285  
P25=-92.0000 ;28.8190  
P26=-92.1303 ;28.8793  
P27=-92.2607 ;28.9397  
P28=-92.3910 ;29.0000  
P29=-92.5000 ;29.0500  
P30=-92.6250 ;29.0800  
P31=-92.7500 ;29.1100  
P32=-92.8750 ;29.1400  
P33=-93.0000 ;29.1700  
P34=-93.0870 ;29.0850  
P35=-93.1740 ;29.0000  
P36=-93.0870 ;28.9115  
P37=-93.0000 ;28.8230  
P38=-92.9255 ;28.7422  
P39=-92.8510 ;28.6615  
P40=-92.7765 ;28.5808  
P41=-92.7020 ;28.5000  
P42=-92.6010 ;28.4205  
P43=-92.5000 ;28.3410  
P44=-92.3750 ;28.2875  
P45=-92.2500 ;28.2340  
P46=-92.1250 ;28.1805  
P47=-92.0000 ;28.1270  
P48=-91.8850 ;28.0847  
P49=-91.7700 ;28.0423  
P50=-91.6550 ;28.0000  
P51=-91.5775 ;27.9590  
P52=-91.5000 ;27.9180  
P53=-91.3750 ;27.8840  
P54=-91.2500 ;27.8500  
P55=-91.1250 ;27.8160

P56=-91.0000 ;27.7820  
P57=-90.8750 ;27.7790  
P58=-90.7500 ;27.7760  
P59=-90.6250 ;27.7730  
P60=-90.5000 ;27.7700  
P61=-90.3750 ;27.7938  
P62=-90.2500 ;27.8175  
P63=-90.1250 ;27.8412  
P64=-90.0000 ;27.8650  
P65=-89.8853 ;27.9100  
P66=-89.7707 ;27.9550  
P67=-89.6560 ;28.0000  
P68=-89.5780 ;28.0725  
P69=-89.5000 ;28.1450  
P70=-89.3750 ;28.2002  
P71=-89.2500 ;28.2555  
P72=-89.1250 ;28.3107  
P73=-89.0000 ;28.3660  
P74=-88.8710 ;28.4330  
P75=-88.7420 ;28.5000  
P76=-88.8710 ;28.5400  
P77=-89.0000 ;28.5800  
[C9]  
gain=-30.00  
n\_point=155  
P1=-80.0000 ;38.7110  
P2=-79.9860 ;38.5000  
P3=-79.9590 ;38.0000  
P4=-79.9410 ;37.5000  
P5=-79.9630 ;37.0000  
P6=-79.9750 ;36.5000  
P7=-80.0000 ;36.3650  
P8=-80.0810 ;36.0000  
P9=-80.1950 ;35.5000  
P10=-80.3040 ;35.0000  
P11=-80.4570 ;34.5000  
P12=-80.5000 ;34.4080  
P13=-80.6880 ;34.0000  
P14=-80.8900 ;33.5000  
P15=-81.0000 ;33.2530  
P16=-81.1390 ;33.0000  
P17=-81.3990 ;32.5000  
P18=-81.5000 ;32.3370  
P19=-81.7290 ;32.0000  
P20=-81.9880 ;31.5000  
P21=-82.0000 ;31.4780  
P22=-82.3570 ;31.0000  
P23=-82.5000 ;30.7420  
P24=-82.6870 ;30.5000  
P25=-83.0000 ;30.0040  
P26=-83.0030 ;30.0000  
P27=-83.4390 ;29.5000  
P28=-83.5000 ;29.4160  
P29=-83.8830 ;29.0000  
P30=-84.0000 ;28.8630  
P31=-84.3590 ;28.5000  
P32=-84.5000 ;28.3620

P33=-84.8990 ;28.0000  
P34=-85.0000 ;27.9100  
P35=-85.4900 ;27.5000  
P36=-85.5000 ;27.4920  
P37=-86.0000 ;27.2050  
P38=-86.3230 ;27.0000  
P39=-86.5000 ;26.9110  
P40=-87.0000 ;26.6740  
P41=-87.3600 ;26.5000  
P42=-87.5000 ;26.4540  
P43=-88.0000 ;26.3040  
P44=-88.5000 ;26.1440  
P45=-88.9380 ;26.0000  
P46=-89.0000 ;25.9900  
P47=-89.5000 ;25.9200  
P48=-90.0000 ;25.8530  
P49=-90.5000 ;25.8000  
P50=-91.0000 ;25.7680  
P51=-91.5000 ;25.7590  
P52=-92.0000 ;25.7760  
P53=-92.5000 ;25.8260  
P54=-93.0000 ;25.8970  
P55=-93.5000 ;25.9840  
P56=-93.5770 ;26.0000  
P57=-94.0000 ;26.1740  
P58=-94.5000 ;26.3960  
P59=-94.7180 ;26.5000  
P60=-95.0000 ;26.6810  
P61=-95.5000 ;26.9870  
P62=-95.5170 ;27.0000  
P63=-96.0000 ;27.4520  
P64=-96.0500 ;27.5000  
P65=-96.5000 ;27.9710  
P66=-96.5240 ;28.0000  
P67=-96.8970 ;28.5000  
P68=-97.0000 ;28.6300  
P69=-97.2290 ;29.0000  
P70=-97.5000 ;29.4300  
P71=-97.5400 ;29.5000  
P72=-97.7900 ;30.0000  
P73=-98.0000 ;30.4110  
P74=-98.0440 ;30.5000  
P75=-98.2170 ;31.0000  
P76=-98.3840 ;31.5000  
P77=-98.5000 ;31.8730  
P78=-98.5400 ;32.0000  
P79=-98.6430 ;32.5000  
P80=-98.7110 ;33.0000  
P81=-98.7500 ;33.5000  
P82=-98.7650 ;34.0000  
P83=-98.7510 ;34.5000  
P84=-98.7090 ;35.0000  
P85=-98.6460 ;35.5000  
P86=-98.5640 ;36.0000  
P87=-98.5000 ;36.2850  
P88=-98.4350 ;36.5000  
P89=-98.2670 ;37.0000

P90=-98.1070 ;37.5000  
P91=-98.0000 ;37.8350  
P92=-97.9210 ;38.0000  
P93=-97.6650 ;38.5000  
P94=-97.5000 ;38.8710  
P95=-97.4210 ;39.0000  
P96=-97.1160 ;39.5000  
P97=-97.0000 ;39.7070  
P98=-96.7920 ;40.0000  
P99=-96.5000 ;40.4560  
P100=-96.4660 ;40.5000  
P101=-96.0710 ;41.0000  
P102=-96.0000 ;41.0890  
P103=-95.6320 ;41.5000  
P104=-95.5000 ;41.6480  
P105=-95.1580 ;42.0000  
P106=-95.0000 ;42.1570  
P107=-94.6310 ;42.5000  
P108=-94.5000 ;42.6140  
P109=-94.0460 ;43.0000  
P110=-94.0000 ;43.0350  
P111=-93.5000 ;43.3900  
P112=-93.3470 ;43.5000  
P113=-93.0000 ;43.7050  
P114=-92.5470 ;44.0000  
P115=-92.5000 ;44.0240  
P116=-92.0000 ;44.2650  
P117=-91.5570 ;44.5000  
P118=-91.5000 ;44.5220  
P119=-91.0000 ;44.6990  
P120=-90.5000 ;44.8850  
P121=-90.1660 ;45.0000  
P122=-90.0000 ;45.0390  
P123=-89.5000 ;45.1400  
P124=-89.0000 ;45.2290  
P125=-88.5000 ;45.2970  
P126=-88.0000 ;45.3400  
P127=-87.5000 ;45.3570  
P128=-87.0000 ;45.3490  
P129=-86.5000 ;45.3160  
P130=-86.0000 ;45.2590  
P131=-85.5000 ;45.1790  
P132=-85.0000 ;45.0830  
P133=-84.6390 ;45.0000  
P134=-84.5000 ;44.9550  
P135=-84.0000 ;44.7570  
P136=-83.5000 ;44.5520  
P137=-83.3900 ;44.5000  
P138=-83.0000 ;44.2620  
P139=-82.5680 ;44.0000  
P140=-82.5000 ;43.9490  
P141=-82.0000 ;43.5250  
P142=-81.9760 ;43.5000  
P143=-81.5020 ;43.0000  
P144=-81.5000 ;42.9980  
P145=-81.2060 ;42.5000  
P146=-81.0000 ;42.1980

P147=-80.9000 ;42.0000  
P148=-80.6950 ;41.5000  
P149=-80.5000 ;41.0950  
P150=-80.4720 ;41.0000  
P151=-80.3830 ;40.5000  
P152=-80.2380 ;40.0000  
P153=-80.1590 ;39.5000  
P154=-80.0350 ;39.0000  
P155=-80.0000 ;38.7110