

```
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adm=USA
sat_name=USABSS-21
long_nom=-101.0000
n_diag=1
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beam_id=CB15
emi_rcp=E
polar_disc=X
reason=B
n_bore=1
n_cont=11
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p=-81.2990;25.8830
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gain=-30.00
n_point=5
P1=-79.5000 ;22.0000
P2=-79.5010 ;22.0000
P3=-79.5000 ;21.9980
P4=-79.4990 ;22.0000
P5=-79.5000 ;22.0000
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gain=-2.00
n_point=80
P1=-80.0000 ;27.2280
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P5=-79.8020 ;26.7500
P6=-79.7765 ;26.6250
P7=-79.7510 ;26.5000
P8=-79.7620 ;26.3750
P9=-79.7730 ;26.2500
P10=-79.7840 ;26.1250
P11=-79.7950 ;26.0000
P12=-79.8358 ;25.8750
P13=-79.8765 ;25.7500
P14=-79.9173 ;25.6250
P15=-79.9580 ;25.5000
P16=-80.0000 ;25.4230
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P27=-81.0000 ;24.4580
P28=-81.1250 ;24.4285
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P33=-81.7500 ;24.3775  
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P35=-82.0000 ;24.4150  
P36=-82.0645 ;24.4575  
P37=-82.1290 ;24.5000  
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P39=-82.2774 ;24.6832  
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P42=-82.5000 ;24.9580  
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P45=-82.5465 ;25.2500  
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P48=-82.5573 ;25.6250  
P49=-82.5385 ;25.7500  
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P51=-82.5010 ;26.0000  
P52=-82.5000 ;26.0020  
P53=-82.4425 ;26.1265  
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P60=-82.0000 ;26.8890  
P61=-81.9450 ;26.9445  
P62=-81.8900 ;27.0000  
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P64=-81.6950 ;27.1530  
P65=-81.5975 ;27.2295  
P66=-81.5000 ;27.3060  
P67=-81.3960 ;27.3545  
P68=-81.2920 ;27.4030  
P69=-81.1880 ;27.4515  
P70=-81.0840 ;27.5000  
P71=-81.0000 ;27.5310  
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P73=-80.7500 ;27.5330  
P74=-80.6250 ;27.5340  
P75=-80.5000 ;27.5350  
P76=-80.4130 ;27.5000  
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gain=-4.00  
n\_point=83  
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P3=-79.3500 ;27.5000  
P4=-79.2963 ;27.3333  
P5=-79.2427 ;27.1667  
P6=-79.1890 ;27.0000  
P7=-79.1807 ;26.8333  
P8=-79.1723 ;26.6667  
P9=-79.1640 ;26.5000  
P10=-79.1907 ;26.3333  
P11=-79.2173 ;26.1667  
P12=-79.2440 ;26.0000  
P13=-79.2993 ;25.8333  
P14=-79.3547 ;25.6667  
P15=-79.4100 ;25.5000  
P16=-79.4550 ;25.4055  
P17=-79.5000 ;25.3110  
P18=-79.5920 ;25.1555  
P19=-79.6840 ;25.0000  
P20=-79.7893 ;24.8593  
P21=-79.8947 ;24.7187  
P22=-80.0000 ;24.5780  
P23=-80.0740 ;24.5000  
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P25=-80.3580 ;24.2573  
P26=-80.5000 ;24.1360  
P27=-80.6090 ;24.0680  
P28=-80.7180 ;24.0000  
P29=-80.8590 ;23.9275  
P30=-81.0000 ;23.8550  
P31=-81.1667 ;23.8110  
P32=-81.3333 ;23.7670  
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P34=-81.6667 ;23.7240  
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P37=-82.1667 ;23.7903  
P38=-82.3333 ;23.8547  
P39=-82.5000 ;23.9190  
P40=-82.6020 ;24.0000  
P41=-82.7015 ;24.1245  
P42=-82.8010 ;24.2490  
P43=-82.9005 ;24.3735  
P44=-83.0000 ;24.4980  
P45=-83.0010 ;24.5000  
P46=-83.0377 ;24.6667  
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P48=-83.1110 ;25.0000  
P49=-83.1150 ;25.1667  
P50=-83.1190 ;25.3333  
P51=-83.1230 ;25.5000  
P52=-83.0963 ;25.6667  
P53=-83.0697 ;25.8333  
P54=-83.0430 ;26.0000  
P55=-83.0000 ;26.1350  
P56=-82.9497 ;26.2567  
P57=-82.8993 ;26.3783  
P58=-82.8490 ;26.5000  
P59=-82.7553 ;26.6667

P60=-82.6617 ;26.8333  
P61=-82.5680 ;27.0000  
P62=-82.5000 ;27.0970  
P63=-82.3793 ;27.2313  
P64=-82.2587 ;27.3657  
P65=-82.1380 ;27.5000  
P66=-82.0000 ;27.6290  
P67=-81.8333 ;27.7437  
P68=-81.6667 ;27.8583  
P69=-81.5000 ;27.9730  
P70=-81.4360 ;28.0000  
P71=-81.2907 ;28.0503  
P72=-81.1453 ;28.1007  
P73=-81.0000 ;28.1510  
P74=-80.8333 ;28.1710  
P75=-80.6667 ;28.1910  
P76=-80.5000 ;28.2110  
P77=-80.3333 ;28.1787  
P78=-80.1667 ;28.1463  
P79=-80.0000 ;28.1140  
P80=-79.8980 ;28.0570  
P81=-79.7960 ;28.0000  
P82=-79.6480 ;27.8705  
P83=-79.5000 ;27.7410  
[C4]  
gain=-6.00  
n\_point=90  
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P4=-78.8350 ;27.5000  
P5=-78.8043 ;27.3333  
P6=-78.7737 ;27.1667  
P7=-78.7430 ;27.0000  
P8=-78.7480 ;26.8333  
P9=-78.7530 ;26.6667  
P10=-78.7580 ;26.5000  
P11=-78.7863 ;26.3333  
P12=-78.8147 ;26.1667  
P13=-78.8430 ;26.0000  
P14=-78.8930 ;25.8333  
P15=-78.9430 ;25.6667  
P16=-78.9930 ;25.5000  
P17=-79.0000 ;25.4820  
P18=-79.0840 ;25.3213  
P19=-79.1680 ;25.1607  
P20=-79.2520 ;25.0000  
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P22=-79.5000 ;24.6020  
P23=-79.5790 ;24.5000  
P24=-79.7193 ;24.3477  
P25=-79.8597 ;24.1953  
P26=-80.0000 ;24.0430  
P27=-80.0500 ;24.0000  
P28=-80.2000 ;23.8917  
P29=-80.3500 ;23.7833  
P30=-80.5000 ;23.6750

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P32=-80.8110 ;23.5000  
P33=-81.0000 ;23.4130  
P34=-81.1667 ;23.3673  
P35=-81.3333 ;23.3217  
P36=-81.5000 ;23.2760  
P37=-81.7500 ;23.2655  
P38=-82.0000 ;23.2550  
P39=-82.1667 ;23.2900  
P40=-82.3333 ;23.3250  
P41=-82.5000 ;23.3600  
P42=-82.6330 ;23.4300  
P43=-82.7660 ;23.5000  
P44=-82.8830 ;23.5910  
P45=-83.0000 ;23.6820  
P46=-83.1215 ;23.8410  
P47=-83.2430 ;24.0000  
P48=-83.3193 ;24.1667  
P49=-83.3957 ;24.3333  
P50=-83.4720 ;24.5000  
P51=-83.5000 ;24.6460  
P52=-83.5225 ;24.8230  
P53=-83.5450 ;25.0000  
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P56=-83.5310 ;25.5000  
P57=-83.5000 ;25.6740  
P58=-83.4630 ;25.8370  
P59=-83.4260 ;26.0000  
P60=-83.3677 ;26.1667  
P61=-83.3093 ;26.3333  
P62=-83.2510 ;26.5000  
P63=-83.1723 ;26.6667  
P64=-83.0937 ;26.8333  
P65=-83.0150 ;27.0000  
P66=-83.0000 ;27.0250  
P67=-82.8853 ;27.1833  
P68=-82.7707 ;27.3417  
P69=-82.6560 ;27.5000  
P70=-82.5000 ;27.6810  
P71=-82.3300 ;27.8405  
P72=-82.1600 ;28.0000  
P73=-82.0000 ;28.1290  
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P75=-81.6667 ;28.3363  
P76=-81.5000 ;28.4400  
P77=-81.3510 ;28.5000  
P78=-81.1755 ;28.5610  
P79=-81.0000 ;28.6220  
P80=-80.7500 ;28.6590  
P81=-80.5000 ;28.6960  
P82=-80.2500 ;28.6765  
P83=-80.0000 ;28.6570  
P84=-79.7955 ;28.5785  
P85=-79.5910 ;28.5000  
P86=-79.5000 ;28.4510  
P87=-79.3443 ;28.3007

P88=-79.1887 ;28.1503  
P89=-79.0330 ;28.0000  
P90=-79.0000 ;27.9430  
[C5]  
gain=-10.00  
n\_point=89  
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P2=-78.4710 ;28.5000  
P3=-78.3665 ;28.2500  
P4=-78.2620 ;28.0000  
P5=-78.2060 ;27.7500  
P6=-78.1500 ;27.5000  
P7=-78.1350 ;27.2500  
P8=-78.1200 ;27.0000  
P9=-78.1405 ;26.7500  
P10=-78.1610 ;26.5000  
P11=-78.2120 ;26.2500  
P12=-78.2630 ;26.0000  
P13=-78.3395 ;25.7500  
P14=-78.4160 ;25.5000  
P15=-78.5000 ;25.2820  
P16=-78.5685 ;25.1410  
P17=-78.6370 ;25.0000  
P18=-78.7805 ;24.7500  
P19=-78.9240 ;24.5000  
P20=-79.0000 ;24.3860  
P21=-79.1525 ;24.1930  
P22=-79.3050 ;24.0000  
P23=-79.5000 ;23.7870  
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P27=-80.2430 ;23.1700  
P28=-80.4860 ;23.0000  
P29=-80.5000 ;22.9920  
P30=-80.7500 ;22.8880  
P31=-81.0000 ;22.7840  
P32=-81.2500 ;22.7090  
P33=-81.5000 ;22.6340  
P34=-81.7500 ;22.6040  
P35=-82.0000 ;22.5740  
P36=-82.2500 ;22.5980  
P37=-82.5000 ;22.6220  
P38=-82.7500 ;22.7065  
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P40=-83.1735 ;22.8955  
P41=-83.3470 ;23.0000  
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P43=-83.6450 ;23.3145  
P44=-83.7900 ;23.5000  
P45=-83.8950 ;23.7145  
P46=-84.0000 ;23.9290  
P47=-84.0240 ;24.0000  
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P49=-84.1160 ;24.5000  
P50=-84.1235 ;24.7500  
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P52=-84.1125 ;25.2500  
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P54=-84.0525 ;25.7500  
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P56=-84.0000 ;26.0420  
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P59=-83.7390 ;26.7500  
P60=-83.6340 ;27.0000  
P61=-83.5670 ;27.1365  
P62=-83.5000 ;27.2730  
P63=-83.3580 ;27.5000  
P64=-83.2410 ;27.6667  
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P66=-83.0070 ;28.0000  
P67=-83.0000 ;28.0080  
P68=-82.8393 ;28.1720  
P69=-82.6787 ;28.3360  
P70=-82.5180 ;28.5000  
P71=-82.5000 ;28.5170  
P72=-82.2500 ;28.6955  
P73=-82.0000 ;28.8740  
P74=-81.7800 ;29.0000  
P75=-81.5000 ;29.1340  
P76=-81.2500 ;29.2210  
P77=-81.0000 ;29.3080  
P78=-80.7500 ;29.3580  
P79=-80.5000 ;29.4080  
P80=-80.2500 ;29.4080  
P81=-80.0000 ;29.4080  
P82=-79.7500 ;29.3555  
P83=-79.5000 ;29.3030  
P84=-79.2500 ;29.1825  
P85=-79.0000 ;29.0620  
P86=-78.9210 ;29.0000  
P87=-78.7807 ;28.8490  
P88=-78.6403 ;28.6980  
P89=-78.5000 ;28.5470

[C6]

gain=-20.00  
n\_point=112  
P1=-77.5000 ;29.0900  
P2=-77.4590 ;29.0000  
P3=-77.3890 ;28.7500  
P4=-77.3190 ;28.5000  
P5=-77.2910 ;28.2500  
P6=-77.2630 ;28.0000  
P7=-77.2560 ;27.7500  
P8=-77.2490 ;27.5000  
P9=-77.2685 ;27.2500  
P10=-77.2880 ;27.0000  
P11=-77.3240 ;26.7500  
P12=-77.3600 ;26.5000  
P13=-77.3960 ;26.2500  
P14=-77.4320 ;26.0000  
P15=-77.5000 ;25.6390  
P16=-77.5440 ;25.5000

P17=-77.6455 ;25.2500  
P18=-77.7470 ;25.0000  
P19=-77.8510 ;24.7500  
P20=-77.9550 ;24.5000  
P21=-78.0000 ;24.4180  
P22=-78.1270 ;24.2090  
P23=-78.2540 ;24.0000  
P24=-78.3770 ;23.8280  
P25=-78.5000 ;23.6560  
P26=-78.6270 ;23.5000  
P27=-78.8135 ;23.3000  
P28=-79.0000 ;23.1000  
P29=-79.1040 ;23.0000  
P30=-79.3020 ;22.8440  
P31=-79.5000 ;22.6880  
P32=-79.7520 ;22.5000  
P33=-80.0000 ;22.3560  
P34=-80.2500 ;22.2110  
P35=-80.5000 ;22.0660  
P36=-80.6330 ;22.0000  
P37=-81.0000 ;21.8900  
P38=-81.2500 ;21.8135  
P39=-81.5000 ;21.7370  
P40=-81.7500 ;21.6820  
P41=-82.0000 ;21.6270  
P42=-82.2500 ;21.6015  
P43=-82.5000 ;21.5760  
P44=-82.7500 ;21.5785  
P45=-83.0000 ;21.5810  
P46=-83.2500 ;21.6035  
P47=-83.5000 ;21.6260  
P48=-83.7500 ;21.6630  
P49=-84.0000 ;21.7000  
P50=-84.2500 ;21.7545  
P51=-84.5000 ;21.8090  
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P57=-85.2775 ;22.7500  
P58=-85.2940 ;23.0000  
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P60=-85.2510 ;23.5000  
P61=-85.2180 ;23.7500  
P62=-85.1850 ;24.0000  
P63=-85.1450 ;24.2500  
P64=-85.1050 ;24.5000  
P65=-85.0605 ;24.7500  
P66=-85.0160 ;25.0000  
P67=-85.0000 ;25.1010  
P68=-84.9580 ;25.3005  
P69=-84.9160 ;25.5000  
P70=-84.8625 ;25.7500  
P71=-84.8090 ;26.0000  
P72=-84.7590 ;26.2500  
P73=-84.7090 ;26.5000



P74=-84.6610 ;26.7500  
P75=-84.6130 ;27.0000  
P76=-84.5000 ;27.3660  
P77=-84.4520 ;27.5000  
P78=-84.3740 ;27.7500  
P79=-84.2960 ;28.0000  
P80=-84.1610 ;28.2500  
P81=-84.0260 ;28.5000  
P82=-84.0000 ;28.5390  
P83=-83.8515 ;28.7695  
P84=-83.7030 ;29.0000  
P85=-83.5000 ;29.2080  
P86=-83.3265 ;29.3540  
P87=-83.1530 ;29.5000  
P88=-83.0000 ;29.6060  
P89=-82.7500 ;29.7470  
P90=-82.5000 ;29.8880  
P91=-82.2660 ;30.0000  
P92=-82.0000 ;30.1160  
P93=-81.7500 ;30.1900  
P94=-81.5000 ;30.2640  
P95=-81.2500 ;30.3165  
P96=-81.0000 ;30.3690  
P97=-80.7500 ;30.4070  
P98=-80.5000 ;30.4450  
P99=-80.2500 ;30.4615  
P100=-80.0000 ;30.4780  
P101=-79.7500 ;30.4660  
P102=-79.5000 ;30.4540  
P103=-79.2500 ;30.4020  
P104=-79.0000 ;30.3500  
P105=-78.7500 ;30.2580  
P106=-78.5000 ;30.1660  
P107=-78.2170 ;30.0000  
P108=-78.0000 ;29.8200  
P109=-77.8645 ;29.6600  
P110=-77.7290 ;29.5000  
P111=-77.6145 ;29.2950  
P112=-77.5000 ;29.0900  
[C7]  
gain=-30.00  
n\_point=73  
P1=-79.5000 ;31.8190  
P2=-79.5625 ;31.8269  
P3=-79.6250 ;31.8347  
P4=-79.6875 ;31.8426  
P5=-79.7500 ;31.8505  
P6=-79.8125 ;31.8584  
P7=-79.8750 ;31.8663  
P8=-79.9375 ;31.8741  
P9=-80.0000 ;31.8820  
P10=-80.0625 ;31.8654  
P11=-80.1250 ;31.8488  
P12=-80.1875 ;31.8321  
P13=-80.2500 ;31.8155  
P14=-80.3125 ;31.7989  
P15=-80.3750 ;31.7822

P16=-80.4375 ;31.7656  
P17=-80.5000 ;31.7490  
P18=-80.5444 ;31.7134  
P19=-80.5889 ;31.6779  
P20=-80.6333 ;31.6423  
P21=-80.6777 ;31.6067  
P22=-80.7221 ;31.5711  
P23=-80.7666 ;31.5356  
P24=-80.8110 ;31.5000  
P25=-80.7831 ;31.4500  
P26=-80.7552 ;31.4000  
P27=-80.7273 ;31.3500  
P28=-80.6994 ;31.3000  
P29=-80.6715 ;31.2500  
P30=-80.6436 ;31.2000  
P31=-80.6157 ;31.1500  
P32=-80.5878 ;31.1000  
P33=-80.5599 ;31.0500  
P34=-80.5320 ;31.0000  
P35=-80.5000 ;30.9940  
P36=-80.4375 ;30.9863  
P37=-80.3750 ;30.9785  
P38=-80.3125 ;30.9708  
P39=-80.2500 ;30.9630  
P40=-80.1875 ;30.9552  
P41=-80.1250 ;30.9475  
P42=-80.0625 ;30.9397  
P43=-80.0000 ;30.9320  
P44=-79.9375 ;30.9371  
P45=-79.8750 ;30.9422  
P46=-79.8125 ;30.9474  
P47=-79.7500 ;30.9525  
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P51=-79.5000 ;30.9730  
P52=-79.4513 ;30.9820  
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P54=-79.3540 ;31.0000  
P55=-79.3193 ;31.0500  
P56=-79.2846 ;31.1000  
P57=-79.2499 ;31.1500  
P58=-79.2152 ;31.2000  
P59=-79.1805 ;31.2500  
P60=-79.1458 ;31.3000  
P61=-79.1111 ;31.3500  
P62=-79.0764 ;31.4000  
P63=-79.0417 ;31.4500  
P64=-79.0070 ;31.5000  
P65=-79.0618 ;31.5354  
P66=-79.1166 ;31.5709  
P67=-79.1713 ;31.6063  
P68=-79.2261 ;31.6418  
P69=-79.2809 ;31.6772  
P70=-79.3357 ;31.7127  
P71=-79.3904 ;31.7481  
P72=-79.4452 ;31.7836

P73=-79.5000 ;31.8190  
[C8]  
gain=-30.00  
n\_point=65  
P1=-85.5000 ;26.3740  
P2=-85.5322 ;26.3366  
P3=-85.5644 ;26.2992  
P4=-85.5966 ;26.2618  
P5=-85.6288 ;26.2244  
P6=-85.6610 ;26.1870  
P7=-85.6932 ;26.1496  
P8=-85.7254 ;26.1122  
P9=-85.7576 ;26.0748  
P10=-85.7898 ;26.0374  
P11=-85.8220 ;26.0000  
P12=-85.8366 ;25.9545  
P13=-85.8513 ;25.9091  
P14=-85.8659 ;25.8636  
P15=-85.8805 ;25.8182  
P16=-85.8952 ;25.7727  
P17=-85.9098 ;25.7273  
P18=-85.9245 ;25.6818  
P19=-85.9391 ;25.6364  
P20=-85.9537 ;25.5909  
P21=-85.9684 ;25.5455  
P22=-85.9830 ;25.5000  
P23=-85.9458 ;25.4655  
P24=-85.9087 ;25.4309  
P25=-85.8715 ;25.3964  
P26=-85.8344 ;25.3618  
P27=-85.7972 ;25.3273  
P28=-85.7601 ;25.2928  
P29=-85.7229 ;25.2582  
P30=-85.6858 ;25.2237  
P31=-85.6486 ;25.1892  
P32=-85.6115 ;25.1546  
P33=-85.5743 ;25.1201  
P34=-85.5372 ;25.0855  
P35=-85.5000 ;25.0510  
P36=-85.4800 ;25.0959  
P37=-85.4600 ;25.1408  
P38=-85.4400 ;25.1857  
P39=-85.4200 ;25.2306  
P40=-85.4000 ;25.2755  
P41=-85.3800 ;25.3204  
P42=-85.3600 ;25.3653  
P43=-85.3400 ;25.4102  
P44=-85.3200 ;25.4551  
P45=-85.3000 ;25.5000  
P46=-85.3018 ;25.5455  
P47=-85.3036 ;25.5909  
P48=-85.3055 ;25.6364  
P49=-85.3073 ;25.6818  
P50=-85.3091 ;25.7273  
P51=-85.3109 ;25.7727  
P52=-85.3127 ;25.8182  
P53=-85.3145 ;25.8636

P54=-85.3164 ;25.9091  
P55=-85.3182 ;25.9545  
P56=-85.3200 ;26.0000  
P57=-85.3400 ;26.0416  
P58=-85.3600 ;26.0831  
P59=-85.3800 ;26.1247  
P60=-85.4000 ;26.1662  
P61=-85.4200 ;26.2078  
P62=-85.4400 ;26.2493  
P63=-85.4600 ;26.2909  
P64=-85.4800 ;26.3324  
P65=-85.5000 ;26.3740

[C9]

gain=-30.00

n\_point=72

P1=-76.5000 ;27.7910  
P2=-76.5280 ;27.7183  
P3=-76.5560 ;27.6455  
P4=-76.5840 ;27.5728  
P5=-76.6120 ;27.5000  
P6=-76.6184 ;27.4286  
P7=-76.6249 ;27.3571  
P8=-76.6313 ;27.2857  
P9=-76.6377 ;27.2143  
P10=-76.6441 ;27.1429  
P11=-76.6506 ;27.0714  
P12=-76.6570 ;27.0000  
P13=-76.6811 ;26.9286  
P14=-76.7053 ;26.8571  
P15=-76.7294 ;26.7857  
P16=-76.7536 ;26.7143  
P17=-76.7777 ;26.6429  
P18=-76.8019 ;26.5714  
P19=-76.8260 ;26.5000  
P20=-76.8477 ;26.4286  
P21=-76.8694 ;26.3571  
P22=-76.8911 ;26.2857  
P23=-76.9129 ;26.2143  
P24=-76.9346 ;26.1429  
P25=-76.9563 ;26.0714  
P26=-76.9780 ;26.0000  
P27=-76.9890 ;25.9250  
P28=-77.0000 ;25.8500  
P29=-77.0026 ;25.7800  
P30=-77.0052 ;25.7100  
P31=-77.0078 ;25.6400  
P32=-77.0104 ;25.5700  
P33=-77.0130 ;25.5000  
P34=-77.0065 ;25.4400  
P35=-77.0000 ;25.3800  
P36=-76.9615 ;25.4400  
P37=-76.9230 ;25.5000  
P38=-76.8525 ;25.5305  
P39=-76.7820 ;25.5610  
P40=-76.7115 ;25.5915  
P41=-76.6410 ;25.6220  
P42=-76.5705 ;25.6525

P43=-76.5000 ;25.6830  
P44=-76.4640 ;25.7464  
P45=-76.4280 ;25.8098  
P46=-76.3920 ;25.8732  
P47=-76.3560 ;25.9366  
P48=-76.3200 ;26.0000  
P49=-76.3099 ;26.0714  
P50=-76.2997 ;26.1429  
P51=-76.2896 ;26.2143  
P52=-76.2794 ;26.2857  
P53=-76.2693 ;26.3571  
P54=-76.2591 ;26.4286  
P55=-76.2490 ;26.5000  
P56=-76.2611 ;26.5714  
P57=-76.2733 ;26.6429  
P58=-76.2854 ;26.7143  
P59=-76.2976 ;26.7857  
P60=-76.3097 ;26.8571  
P61=-76.3219 ;26.9286  
P62=-76.3340 ;27.0000  
P63=-76.3375 ;27.0833  
P64=-76.3410 ;27.1667  
P65=-76.3445 ;27.2500  
P66=-76.3480 ;27.3333  
P67=-76.3515 ;27.4167  
P68=-76.3550 ;27.5000  
P69=-76.3912 ;27.5728  
P70=-76.4275 ;27.6455  
P71=-76.4638 ;27.7183  
P72=-76.5000 ;27.7910  
[C10]  
gain=-30.00  
n\_point=69  
P1=-80.0000 ;21.7110  
P2=-80.0833 ;21.7045  
P3=-80.1667 ;21.6980  
P4=-80.2500 ;21.6915  
P5=-80.3333 ;21.6850  
P6=-80.4167 ;21.6785  
P7=-80.5000 ;21.6720  
P8=-80.5752 ;21.6376  
P9=-80.6504 ;21.6032  
P10=-80.7256 ;21.5688  
P11=-80.8008 ;21.5344  
P12=-80.8760 ;21.5000  
P13=-80.9173 ;21.4597  
P14=-80.9587 ;21.4193  
P15=-81.0000 ;21.3790  
P16=-81.0714 ;21.3557  
P17=-81.1429 ;21.3324  
P18=-81.2143 ;21.3091  
P19=-81.2857 ;21.2859  
P20=-81.3571 ;21.2626  
P21=-81.4286 ;21.2393  
P22=-81.5000 ;21.2160  
P23=-81.5714 ;21.1883  
P24=-81.6429 ;21.1606

P25=-81.7143 ;21.1329  
P26=-81.7857 ;21.1051  
P27=-81.8571 ;21.0774  
P28=-81.9286 ;21.0497  
P29=-82.0000 ;21.0220  
P30=-82.0600 ;21.0000  
P31=-82.0300 ;20.9690  
P32=-82.0000 ;20.9380  
P33=-81.9286 ;20.9004  
P34=-81.8571 ;20.8629  
P35=-81.7857 ;20.8253  
P36=-81.7143 ;20.7877  
P37=-81.6429 ;20.7501  
P38=-81.5714 ;20.7126  
P39=-81.5000 ;20.6750  
P40=-81.4167 ;20.6787  
P41=-81.3333 ;20.6823  
P42=-81.2500 ;20.6860  
P43=-81.1667 ;20.6897  
P44=-81.0833 ;20.6933  
P45=-81.0000 ;20.6970  
P46=-80.9286 ;20.7347  
P47=-80.8571 ;20.7724  
P48=-80.7857 ;20.8101  
P49=-80.7143 ;20.8479  
P50=-80.6429 ;20.8856  
P51=-80.5714 ;20.9233  
P52=-80.5000 ;20.9610  
P53=-80.4460 ;21.0000  
P54=-80.3717 ;21.0398  
P55=-80.2973 ;21.0797  
P56=-80.2230 ;21.1195  
P57=-80.1487 ;21.1593  
P58=-80.0743 ;21.1992  
P59=-80.0000 ;21.2390  
P60=-79.9354 ;21.2912  
P61=-79.8708 ;21.3434  
P62=-79.8062 ;21.3956  
P63=-79.7416 ;21.4478  
P64=-79.6770 ;21.5000  
P65=-79.7416 ;21.5422  
P66=-79.8062 ;21.5844  
P67=-79.8708 ;21.6266  
P68=-79.9354 ;21.6688  
P69=-80.0000 ;21.7110  
[C11]  
gain=-30.00  
n\_point=200  
P1=-71.5000 ;33.8880  
P2=-71.3720 ;33.5000  
P3=-71.2100 ;33.0000  
P4=-71.1430 ;32.5000  
P5=-71.0860 ;32.0000  
P6=-71.1150 ;31.5000  
P7=-71.1590 ;31.0000  
P8=-71.2600 ;30.5000  
P9=-71.3470 ;30.0000

P10=-71.4690 ;29.5000  
P11=-71.5000 ;29.3070  
P12=-71.6470 ;29.0000  
P13=-71.8180 ;28.5000  
P14=-71.9510 ;28.0000  
P15=-72.0000 ;27.5000  
P16=-72.0000 ;27.4990  
P17=-72.2720 ;27.0000  
P18=-72.3640 ;26.5000  
P19=-72.4250 ;26.0000  
P20=-72.5000 ;25.6720  
P21=-72.5790 ;25.5000  
P22=-72.7580 ;25.0000  
P23=-72.8890 ;24.5000  
P24=-73.0000 ;24.1240  
P25=-73.0560 ;24.0000  
P26=-73.2740 ;23.5000  
P27=-73.4630 ;23.0000  
P28=-73.5000 ;22.9100  
P29=-73.7050 ;22.5000  
P30=-73.9350 ;22.0000  
P31=-74.0000 ;21.8870  
P32=-74.2310 ;21.5000  
P33=-74.5000 ;21.0980  
P34=-74.5740 ;21.0000  
P35=-74.9620 ;20.5000  
P36=-75.0000 ;20.4600  
P37=-75.4490 ;20.0000  
P38=-75.5000 ;19.9560  
P39=-76.0000 ;19.5480  
P40=-76.0710 ;19.5000  
P41=-76.5000 ;19.2400  
P42=-76.9370 ;19.0000  
P43=-77.0000 ;18.9680  
P44=-77.5000 ;18.8800  
P45=-77.6220 ;19.0000  
P46=-77.5470 ;19.5000  
P47=-77.5000 ;19.6310  
P48=-77.3400 ;20.0000  
P49=-77.2050 ;20.5000  
P50=-77.5000 ;20.8570  
P51=-78.0000 ;20.6440  
P52=-78.2210 ;20.5000  
P53=-78.5000 ;20.3600  
P54=-79.0000 ;20.0760  
P55=-79.1130 ;20.0000  
P56=-79.5000 ;19.8100  
P57=-80.0000 ;19.5060  
P58=-80.0110 ;19.5000  
P59=-80.5000 ;19.3190  
P60=-81.0000 ;19.1150  
P61=-81.2910 ;19.0000  
P62=-81.5000 ;18.9490  
P63=-82.0000 ;18.8560  
P64=-82.5000 ;18.7880  
P65=-83.0000 ;18.7640  
P66=-83.5000 ;18.7880

P67=-84.0000 ;18.8680  
P68=-84.4270 ;19.0000  
P69=-84.5000 ;19.0270  
P70=-85.0000 ;19.2650  
P71=-85.3690 ;19.5000  
P72=-85.5000 ;19.5900  
P73=-85.9730 ;20.0000  
P74=-86.0000 ;20.0260  
P75=-86.3990 ;20.5000  
P76=-86.5000 ;20.6370  
P77=-86.7080 ;21.0000  
P78=-86.9490 ;21.5000  
P79=-87.0000 ;21.6320  
P80=-87.1090 ;22.0000  
P81=-87.1960 ;22.5000  
P82=-87.2590 ;23.0000  
P83=-87.2800 ;23.5000  
P84=-87.2740 ;24.0000  
P85=-87.2450 ;24.5000  
P86=-87.2080 ;25.0000  
P87=-87.1580 ;25.5000  
P88=-87.0970 ;26.0000  
P89=-87.0380 ;26.5000  
P90=-87.0000 ;26.7280  
P91=-86.9010 ;27.0000  
P92=-86.7300 ;27.5000  
P93=-86.5700 ;28.0000  
P94=-86.5000 ;28.1960  
P95=-86.3450 ;28.5000  
P96=-86.1040 ;29.0000  
P97=-86.0000 ;29.1900  
P98=-85.8000 ;29.5000  
P99=-85.5000 ;29.9520  
P100=-85.4620 ;30.0000  
P101=-85.0620 ;30.5000  
P102=-85.0000 ;30.5690  
P103=-84.5790 ;31.0000  
P104=-84.5000 ;31.0780  
P105=-84.0000 ;31.4900  
P106=-83.9860 ;31.5000  
P107=-83.5000 ;31.8380  
P108=-83.2470 ;32.0000  
P109=-83.0000 ;32.1480  
P110=-82.5000 ;32.4150  
P111=-82.3310 ;32.5000  
P112=-82.0000 ;32.6450  
P113=-81.5000 ;32.8420  
P114=-81.1410 ;33.0000  
P115=-81.0000 ;33.0470  
P116=-80.5000 ;33.1940  
P117=-80.0000 ;33.3520  
P118=-79.5520 ;33.5000  
P119=-79.5000 ;33.5110  
P120=-79.0000 ;33.5970  
P121=-78.5000 ;33.6500  
P122=-78.0000 ;33.6610  
P123=-77.5000 ;33.6200



P124=-77.0000 ;33.5340  
P125=-76.8890 ;33.5000  
P126=-76.5000 ;33.3070  
P127=-76.0000 ;33.0260  
P128=-75.9680 ;33.0000  
P129=-75.5000 ;32.5720  
P130=-75.4260 ;32.5000  
P131=-75.0340 ;32.0000  
P132=-75.0000 ;31.9530  
P133=-74.7510 ;31.5000  
P134=-74.5000 ;31.0000  
P135=-74.3600 ;30.5000  
P136=-74.2810 ;30.0000  
P137=-74.2170 ;29.5000  
P138=-74.2190 ;29.0000  
P139=-74.2230 ;28.5000  
P140=-74.3360 ;28.0000  
P141=-74.4240 ;27.5000  
P142=-74.5000 ;27.0640  
P143=-74.5240 ;27.0000  
P144=-74.7770 ;26.5000  
P145=-74.9520 ;26.0000  
P146=-75.0000 ;25.8210  
P147=-75.1670 ;25.5000  
P148=-75.3390 ;25.0000  
P149=-75.4690 ;24.5000  
P150=-75.5000 ;24.3860  
P151=-75.6150 ;24.0000  
P152=-75.6640 ;23.5000  
P153=-75.5000 ;23.1290  
P154=-75.0200 ;23.5000  
P155=-75.0000 ;23.5080  
P156=-74.5540 ;24.0000  
P157=-74.5000 ;24.0520  
P158=-74.1300 ;24.5000  
P159=-74.0000 ;24.6990  
P160=-73.7490 ;25.0000  
P161=-73.5020 ;25.5000  
P162=-73.5000 ;25.5040  
P163=-73.1360 ;26.0000  
P164=-73.0000 ;26.4620  
P165=-72.9490 ;26.5000  
P166=-72.6610 ;27.0000  
P167=-72.5370 ;27.5000  
P168=-72.5000 ;27.9320  
P169=-72.4330 ;28.0000  
P170=-72.3510 ;28.5000  
P171=-72.3370 ;29.0000  
P172=-72.4760 ;29.5000  
P173=-72.5000 ;29.5960  
P174=-72.5300 ;30.0000  
P175=-72.6290 ;30.5000  
P176=-72.7520 ;31.0000  
P177=-72.9770 ;31.5000  
P178=-73.0000 ;31.5530  
P179=-73.1210 ;32.0000  
P180=-73.3160 ;32.5000

P181=-73.5000 ;32.8540  
P182=-73.5560 ;33.0000  
P183=-73.7380 ;33.5000  
P184=-74.0000 ;33.9230  
P185=-74.0450 ;34.0000  
P186=-74.2610 ;34.5000  
P187=-74.5000 ;34.9740  
P188=-74.5160 ;35.0000  
P189=-74.5790 ;35.5000  
P190=-74.5000 ;35.5630  
P191=-74.0000 ;35.6730  
P192=-73.5000 ;35.5960  
P193=-73.2390 ;35.5000  
P194=-73.0000 ;35.4030  
P195=-72.5000 ;35.0940  
P196=-72.3930 ;35.0000  
P197=-72.0000 ;34.6440  
P198=-71.8900 ;34.5000  
P199=-71.5600 ;34.0000  
P200=-71.5000 ;33.8880