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sat_name=USABSS-21
long_nom=-101.0000
n_diag=1
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beam_id=BB21
emi_rcp=E
polar_disc=X
reason=B
n_bore=1
n_cont=9
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P3=-63.9160 ;44.5000
P4=-63.8570 ;44.0000
P5=-63.7940 ;43.5000
P6=-63.7550 ;43.0000
P7=-63.7340 ;42.5000
P8=-63.7080 ;42.0000
P9=-63.7270 ;41.5000
P10=-63.7780 ;41.0000
P11=-63.8190 ;40.5000
P12=-64.0000 ;40.0660
P13=-64.0150 ;40.0000
P14=-64.2240 ;39.5000
P15=-64.5000 ;39.1040
P16=-64.5520 ;39.0000
P17=-64.8680 ;38.5000
P18=-65.0000 ;38.3930
P19=-65.3070 ;38.0000
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P21=-65.7770 ;37.5000
P22=-66.0000 ;37.2810
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P29=-68.0000 ;35.5040
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P31=-68.5000 ;35.1720
P32=-68.7540 ;35.0000
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P35=-69.5420 ;34.5000
P36=-70.0000 ;34.2780
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P37=-70.4820 ;34.0000  
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P39=-71.0000 ;33.7870  
P40=-71.5000 ;33.5410  
P41=-71.5910 ;33.5000  
P42=-72.0000 ;33.3570  
P43=-72.5000 ;33.1330  
P44=-72.6880 ;33.0000  
P45=-73.0000 ;32.8700  
P46=-73.4340 ;32.5000  
P47=-73.5000 ;32.4620  
P48=-74.0000 ;32.0480  
P49=-74.0370 ;32.0000  
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P88=-87.0000 ;33.4010  
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P95=-87.6840 ;36.0000  
P96=-87.7230 ;36.5000  
P97=-87.7520 ;37.0000  
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P99=-87.6900 ;38.0000  
P100=-87.6210 ;38.5000  
P101=-87.5430 ;39.0000  
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P109=-86.5000 ;41.6820  
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P113=-85.6410 ;43.0000  
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P115=-85.2560 ;43.5000  
P116=-85.0000 ;43.8340  
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P120=-84.0000 ;44.9360  
P121=-83.9380 ;45.0000  
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P125=-82.8770 ;46.0000  
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P139=-78.5000 ;48.8780  
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P142=-77.5000 ;49.3540  
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P146=-76.0000 ;49.9210  
P147=-75.7790 ;50.0000  
P148=-75.5000 ;50.0730  
P149=-75.0000 ;50.2030  
P150=-74.5000 ;50.3340

P151=-74.0000 ;50.4620  
P152=-73.8370 ;50.5000  
P153=-73.5000 ;50.5580  
P154=-73.0000 ;50.6350  
P155=-72.5000 ;50.7040  
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P158=-71.0000 ;50.8160  
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P162=-69.0000 ;50.6630  
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P170=-66.0000 ;49.5560  
P171=-65.9230 ;49.5000  
P172=-65.5000 ;49.1210  
P173=-65.3730 ;49.0000  
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P176=-64.7300 ;48.0000  
P177=-64.5010 ;47.5000  
P178=-64.5000 ;47.4990  
P179=-64.3480 ;47.0000  
P180=-64.2580 ;46.5000  
P181=-64.1740 ;46.0000  
P182=-64.0710 ;45.5000  
P183=-64.0000 ;45.2180

[C2]

gain=-30.00

n\_point=83

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P4=-69.1946 ;45.2000  
P5=-69.2814 ;45.3000  
P6=-69.3682 ;45.4000  
P7=-69.4550 ;45.5000  
P8=-69.5000 ;45.5380  
P9=-69.6250 ;45.6348  
P10=-69.7500 ;45.7315  
P11=-69.8750 ;45.8283  
P12=-70.0000 ;45.9250  
P13=-70.1000 ;45.9625  
P14=-70.2000 ;46.0000  
P15=-70.3500 ;46.0830  
P16=-70.5000 ;46.1660  
P17=-70.6667 ;46.2180  
P18=-70.8333 ;46.2700  
P19=-71.0000 ;46.3220  
P20=-71.1667 ;46.3430  
P21=-71.3333 ;46.3640

P22=-71.5000 ;46.3850  
P23=-71.6667 ;46.3990  
P24=-71.8333 ;46.4130  
P25=-72.0000 ;46.4270  
P26=-72.1667 ;46.4243  
P27=-72.3333 ;46.4217  
P28=-72.5000 ;46.4190  
P29=-72.6667 ;46.3780  
P30=-72.8333 ;46.3370  
P31=-73.0000 ;46.2960  
P32=-73.1077 ;46.1973  
P33=-73.2153 ;46.0987  
P34=-73.3230 ;46.0000  
P35=-73.1615 ;45.9705  
P36=-73.0000 ;45.9410  
P37=-72.8333 ;45.9067  
P38=-72.6667 ;45.8723  
P39=-72.5000 ;45.8380  
P40=-72.3750 ;45.7560  
P41=-72.2500 ;45.6740  
P42=-72.1250 ;45.5920  
P43=-72.0000 ;45.5100  
P44=-71.9920 ;45.5000  
P45=-71.8280 ;45.4330  
P46=-71.6640 ;45.3660  
P47=-71.5000 ;45.2990  
P48=-71.3680 ;45.1993  
P49=-71.2360 ;45.0997  
P50=-71.1040 ;45.0000  
P51=-71.0000 ;44.9250  
P52=-70.8750 ;44.8517  
P53=-70.7500 ;44.7785  
P54=-70.6250 ;44.7052  
P55=-70.5000 ;44.6320  
P56=-70.3975 ;44.5660  
P57=-70.2950 ;44.5000  
P58=-70.1967 ;44.4267  
P59=-70.0983 ;44.3533  
P60=-70.0000 ;44.2800  
P61=-69.8770 ;44.1867  
P62=-69.7540 ;44.0933  
P63=-69.6310 ;44.0000  
P64=-69.5655 ;43.9130  
P65=-69.5000 ;43.8260  
P66=-69.3813 ;43.7445  
P67=-69.2625 ;43.6630  
P68=-69.1437 ;43.5815  
P69=-69.0250 ;43.5000  
P70=-69.0000 ;43.4740  
P71=-68.9730 ;43.5000  
P72=-68.9140 ;43.6250  
P73=-68.8550 ;43.7500  
P74=-68.7960 ;43.8750  
P75=-68.7370 ;44.0000  
P76=-68.7422 ;44.1250  
P77=-68.7475 ;44.2500  
P78=-68.7528 ;44.3750

P79=-68.7580 ;44.5000  
P80=-68.8185 ;44.6125  
P81=-68.8790 ;44.7250  
P82=-68.9395 ;44.8375  
P83=-69.0000 ;44.9500  
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P2=-69.7500 ;38.5960  
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P4=-70.0630 ;38.5000  
P5=-70.1810 ;38.3333  
P6=-70.2990 ;38.1667  
P7=-70.4170 ;38.0000  
P8=-70.5000 ;37.9330  
P9=-70.5833 ;37.7887  
P10=-70.6667 ;37.6443  
P11=-70.7500 ;37.5000  
P12=-70.8750 ;37.3610  
P13=-71.0000 ;37.2220  
P14=-71.0820 ;37.1110  
P15=-71.1640 ;37.0000  
P16=-71.2577 ;36.8333  
P17=-71.3513 ;36.6667  
P18=-71.4450 ;36.5000  
P19=-71.5000 ;36.4330  
P20=-71.6053 ;36.2887  
P21=-71.7107 ;36.1443  
P22=-71.8160 ;36.0000  
P23=-71.9080 ;35.8385  
P24=-72.0000 ;35.6770  
P25=-72.1410 ;35.5000  
P26=-72.2607 ;35.3477  
P27=-72.3803 ;35.1953  
P28=-72.5000 ;35.0430  
P29=-72.5430 ;35.0000  
P30=-72.6953 ;34.8380  
P31=-72.8477 ;34.6760  
P32=-73.0000 ;34.5140  
P33=-73.0160 ;34.5000  
P34=-73.1773 ;34.3400  
P35=-73.3387 ;34.1800  
P36=-73.5000 ;34.0200  
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P38=-73.6853 ;33.8453  
P39=-73.8427 ;33.6907  
P40=-74.0000 ;33.5360  
P41=-74.0760 ;33.5000  
P42=-74.0000 ;33.3260  
P43=-73.7500 ;33.3080  
P44=-73.5000 ;33.2900  
P45=-73.3260 ;33.3950  
P46=-73.1520 ;33.5000  
P47=-73.0000 ;33.5700  
P48=-72.8333 ;33.6900  
P49=-72.6667 ;33.8100

P50=-72.5000 ;33.9300  
P51=-72.4510 ;34.0000  
P52=-72.3007 ;34.1353  
P53=-72.1503 ;34.2707  
P54=-72.0000 ;34.4060  
P55=-71.9340 ;34.5000  
P56=-71.7893 ;34.6647  
P57=-71.6447 ;34.8293  
P58=-71.5000 ;34.9940  
P59=-71.4960 ;35.0000  
P60=-71.3517 ;35.1667  
P61=-71.2073 ;35.3333  
P62=-71.0630 ;35.5000  
P63=-71.0000 ;35.5750  
P64=-70.8983 ;35.7167  
P65=-70.7967 ;35.8583  
P66=-70.6950 ;36.0000  
P67=-70.5975 ;36.1320  
P68=-70.5000 ;36.2640  
P69=-70.4100 ;36.3820  
P70=-70.3200 ;36.5000  
P71=-70.2443 ;36.6667  
P72=-70.1687 ;36.8333  
P73=-70.0930 ;37.0000  
P74=-70.0000 ;37.1670  
P75=-69.8875 ;37.3335  
P76=-69.7750 ;37.5000  
P77=-69.7437 ;37.6667  
P78=-69.7123 ;37.8333  
P79=-69.6810 ;38.0000  
P80=-69.6207 ;38.1597  
P81=-69.5603 ;38.3193  
P82=-69.5000 ;38.4790  
P83=-69.4910 ;38.5000  
P84=-69.5000 ;38.5740  
[C4]  
gain=-30.00  
n\_point=129  
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P2=-80.2500 ;33.1610  
P3=-80.5000 ;33.2100  
P4=-80.7230 ;33.3550  
P5=-80.9460 ;33.5000  
P6=-81.0000 ;33.5290  
P7=-81.2500 ;33.6010  
P8=-81.5000 ;33.6730  
P9=-81.7500 ;33.8130  
P10=-82.0000 ;33.9530  
P11=-82.0590 ;34.0000  
P12=-82.2795 ;34.1300  
P13=-82.5000 ;34.2600  
P14=-82.8860 ;34.5000  
P15=-83.0000 ;34.6020  
P16=-83.2430 ;34.8010  
P17=-83.4860 ;35.0000  
P18=-83.5000 ;35.0150  
P19=-83.7195 ;35.2575

P20=-83.9390 ;35.5000  
P21=-84.0000 ;35.5970  
P22=-84.1415 ;35.7985  
P23=-84.2830 ;36.0000  
P24=-84.3715 ;36.2500  
P25=-84.4600 ;36.5000  
P26=-84.5000 ;36.6590  
P27=-84.6010 ;37.0000  
P28=-84.6430 ;37.2500  
P29=-84.6850 ;37.5000  
P30=-84.6640 ;37.7500  
P31=-84.6430 ;38.0000  
P32=-84.6255 ;38.2500  
P33=-84.6080 ;38.5000  
P34=-84.5745 ;38.7500  
P35=-84.5410 ;39.0000  
P36=-84.5000 ;39.1180  
P37=-84.3730 ;39.5000  
P38=-84.2925 ;39.7500  
P39=-84.2120 ;40.0000  
P40=-84.1445 ;40.2500  
P41=-84.0770 ;40.5000  
P42=-84.0000 ;40.6520  
P43=-83.7920 ;41.0000  
P44=-83.6705 ;41.2500  
P45=-83.5490 ;41.5000  
P46=-83.5000 ;41.5810  
P47=-83.3615 ;41.7905  
P48=-83.2230 ;42.0000  
P49=-83.0000 ;42.3420  
P50=-82.8740 ;42.5000  
P51=-82.6870 ;42.7295  
P52=-82.5000 ;42.9590  
P53=-82.4600 ;43.0000  
P54=-82.2300 ;43.2430  
P55=-82.0000 ;43.4860  
P56=-81.9840 ;43.5000  
P57=-81.7420 ;43.7310  
P58=-81.5000 ;43.9620  
P59=-81.4490 ;44.0000  
P60=-81.2245 ;44.2345  
P61=-81.0000 ;44.4690  
P62=-80.9460 ;44.5000  
P63=-81.0000 ;44.6000  
P64=-81.5000 ;44.5820  
P65=-81.6630 ;44.5000  
P66=-82.0000 ;44.3390  
P67=-82.2500 ;44.2050  
P68=-82.5000 ;44.0710  
P69=-82.5990 ;44.0000  
P70=-83.0000 ;43.7420  
P71=-83.2880 ;43.5000  
P72=-83.5000 ;43.3360  
P73=-83.6795 ;43.1680  
P74=-83.8590 ;43.0000  
P75=-84.0000 ;42.8700  
P76=-84.1795 ;42.6850



P77=-84.3590 ;42.5000  
P78=-84.5000 ;42.3180  
P79=-84.7710 ;42.0000  
P80=-84.8855 ;41.7730  
P81=-85.0000 ;41.5460  
P82=-85.0330 ;41.5000  
P83=-85.1880 ;41.2500  
P84=-85.3430 ;41.0000  
P85=-85.4215 ;40.7600  
P86=-85.5000 ;40.5200  
P87=-85.5120 ;40.5000  
P88=-85.6200 ;40.2500  
P89=-85.7280 ;40.0000  
P90=-85.7710 ;39.7500  
P91=-85.8140 ;39.5000  
P92=-85.8485 ;39.2500  
P93=-85.8830 ;39.0000  
P94=-85.8870 ;38.7500  
P95=-85.8910 ;38.5000  
P96=-85.8585 ;38.2500  
P97=-85.8260 ;38.0000  
P98=-85.7730 ;37.7500  
P99=-85.7200 ;37.5000  
P100=-85.6255 ;37.2500  
P101=-85.5310 ;37.0000  
P102=-85.5000 ;36.9490  
P103=-85.3945 ;36.7245  
P104=-85.2890 ;36.5000  
P105=-85.1515 ;36.2500  
P106=-85.0140 ;36.0000  
P107=-85.0000 ;35.9830  
P108=-84.8325 ;35.7415  
P109=-84.6650 ;35.5000  
P110=-84.5000 ;35.3000  
P111=-84.2440 ;35.0000  
P112=-84.0000 ;34.7660  
P113=-83.7340 ;34.5000  
P114=-83.5000 ;34.3200  
P115=-83.2130 ;34.0000  
P116=-83.0000 ;33.8310  
P117=-82.7500 ;33.6795  
P118=-82.5000 ;33.5280  
P119=-82.4780 ;33.5000  
P120=-82.2390 ;33.3510  
P121=-82.0000 ;33.2020  
P122=-81.5000 ;33.1420  
P123=-81.1520 ;33.0000  
P124=-81.0000 ;32.9580  
P125=-80.7500 ;32.8730  
P126=-80.5000 ;32.7880  
P127=-80.0000 ;32.8000  
P128=-79.6840 ;33.0000  
P129=-80.0000 ;33.1120  
[C5]  
gain=-20.00  
n\_point=112  
P1=-70.0000 ;41.8380

P2=-69.9870 ;41.5000  
P3=-70.0000 ;41.2480  
P4=-70.0140 ;41.0000  
P5=-70.1150 ;40.5000  
P6=-70.2550 ;40.0000  
P7=-70.4160 ;39.5000  
P8=-70.5000 ;39.3060  
P9=-70.6470 ;39.0000  
P10=-70.8810 ;38.5000  
P11=-71.0000 ;38.2760  
P12=-71.1710 ;38.0000  
P13=-71.3130 ;37.7500  
P14=-71.4550 ;37.5000  
P15=-71.5000 ;37.4250  
P16=-71.8140 ;37.0000  
P17=-72.0000 ;36.7160  
P18=-72.1670 ;36.5000  
P19=-72.5000 ;36.0990  
P20=-72.5910 ;36.0000  
P21=-72.7955 ;35.7785  
P22=-73.0000 ;35.5570  
P23=-73.0600 ;35.5000  
P24=-73.2800 ;35.3025  
P25=-73.5000 ;35.1050  
P26=-73.6250 ;35.0000  
P27=-74.0000 ;34.7190  
P28=-74.3170 ;34.5000  
P29=-74.5000 ;34.3860  
P30=-75.0000 ;34.1100  
P31=-75.2220 ;34.0000  
P32=-75.5000 ;33.8860  
P33=-76.0000 ;33.7130  
P34=-76.5000 ;33.5660  
P35=-76.7740 ;33.5000  
P36=-77.0000 ;33.4580  
P37=-77.5000 ;33.4040  
P38=-78.0000 ;33.3830  
P39=-78.5000 ;33.3940  
P40=-79.0000 ;33.4360  
P41=-79.4420 ;33.5000  
P42=-79.5000 ;33.5120  
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P44=-80.5000 ;33.8220  
P45=-81.0000 ;33.9860  
P46=-81.0430 ;34.0000  
P47=-81.5000 ;34.2540  
P48=-81.9870 ;34.5000  
P49=-82.0000 ;34.5100  
P50=-82.2500 ;34.7160  
P51=-82.5000 ;34.9220  
P52=-82.5910 ;35.0000  
P53=-82.7955 ;35.2085  
P54=-83.0000 ;35.4170  
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P56=-83.2455 ;35.7500  
P57=-83.4140 ;36.0000  
P58=-83.5000 ;36.1610

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P61=-83.9110 ;37.5000  
P62=-83.9350 ;38.0000  
P63=-83.9000 ;38.5000  
P64=-83.8230 ;39.0000  
P65=-83.6870 ;39.5000  
P66=-83.5220 ;40.0000  
P67=-83.5000 ;40.0570  
P68=-83.2840 ;40.5000  
P69=-83.1540 ;40.7500  
P70=-83.0240 ;41.0000  
P71=-83.0000 ;41.0400  
P72=-82.6650 ;41.5000  
P73=-82.5000 ;41.7220  
P74=-82.2630 ;42.0000  
P75=-82.0000 ;42.2960  
P76=-81.7980 ;42.5000  
P77=-81.5000 ;42.7780  
P78=-81.2460 ;43.0000  
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P80=-80.5830 ;43.5000  
P81=-80.5000 ;43.5560  
P82=-80.0000 ;43.8650  
P83=-79.7680 ;44.0000  
P84=-79.5000 ;44.1390  
P85=-79.0000 ;44.3810  
P86=-78.7340 ;44.5000  
P87=-78.5000 ;44.5900  
P88=-78.0000 ;44.7610  
P89=-77.5000 ;44.9160  
P90=-77.1910 ;45.0000  
P91=-77.0000 ;45.0440  
P92=-76.5000 ;45.1350  
P93=-76.0000 ;45.2040  
P94=-75.5000 ;45.2500  
P95=-75.0000 ;45.2640  
P96=-74.5000 ;45.2450  
P97=-74.0000 ;45.1960  
P98=-73.5000 ;45.1170  
P99=-73.0000 ;45.0120  
P100=-72.9570 ;45.0000  
P101=-72.5000 ;44.8280  
P102=-72.0000 ;44.6040  
P103=-71.7990 ;44.5000  
P104=-71.5000 ;44.3010  
P105=-71.0930 ;44.0000  
P106=-71.0000 ;43.9130  
P107=-70.6110 ;43.5000  
P108=-70.5000 ;43.3350  
P109=-70.3130 ;43.0000  
P110=-70.1160 ;42.5000  
P111=-70.0070 ;42.0000  
P112=-70.0000 ;41.8380  
[C6]  
gain=-10.00  
n\_point=115

P1=-72.0000 ;41.9520  
P2=-71.9275 ;41.7260  
P3=-71.8550 ;41.5000  
P4=-71.8150 ;41.2500  
P5=-71.7750 ;41.0000  
P6=-71.7800 ;40.7500  
P7=-71.7850 ;40.5000  
P8=-71.8140 ;40.2500  
P9=-71.8430 ;40.0000  
P10=-71.9020 ;39.7500  
P11=-71.9610 ;39.5000  
P12=-72.0000 ;39.3800  
P13=-72.1380 ;39.0000  
P14=-72.2490 ;38.7500  
P15=-72.3600 ;38.5000  
P16=-72.5000 ;38.2360  
P17=-72.6360 ;38.0000  
P18=-72.7975 ;37.7500  
P19=-72.9590 ;37.5000  
P20=-73.0000 ;37.4430  
P21=-73.1745 ;37.2215  
P22=-73.3490 ;37.0000  
P23=-73.5000 ;36.8260  
P24=-73.8100 ;36.5000  
P25=-74.0000 ;36.3140  
P26=-74.1755 ;36.1570  
P27=-74.3510 ;36.0000  
P28=-74.5000 ;35.8850  
P29=-74.7500 ;35.7020  
P30=-75.0000 ;35.5190  
P31=-75.0300 ;35.5000  
P32=-75.2650 ;35.3705  
P33=-75.5000 ;35.2410  
P34=-75.7400 ;35.1205  
P35=-75.9800 ;35.0000  
P36=-76.0000 ;34.9920  
P37=-76.2500 ;34.9045  
P38=-76.5000 ;34.8170  
P39=-76.7500 ;34.7470  
P40=-77.0000 ;34.6770  
P41=-77.2500 ;34.6265  
P42=-77.5000 ;34.5760  
P43=-77.7500 ;34.5495  
P44=-78.0000 ;34.5230  
P45=-78.5000 ;34.5160  
P46=-78.7500 ;34.5370  
P47=-79.0000 ;34.5580  
P48=-79.2500 ;34.6065  
P49=-79.5000 ;34.6550  
P50=-79.7500 ;34.7290  
P51=-80.0000 ;34.8030  
P52=-80.2500 ;34.9000  
P53=-80.5000 ;34.9970  
P54=-80.5070 ;35.0000  
P55=-80.7535 ;35.1555  
P56=-81.0000 ;35.3110  
P57=-81.2660 ;35.5000

P58=-81.5000 ;35.7140  
P59=-81.7670 ;36.0000  
P60=-82.0000 ;36.3330  
P61=-82.0970 ;36.5000  
P62=-82.1995 ;36.7500  
P63=-82.3020 ;37.0000  
P64=-82.3685 ;37.2500  
P65=-82.4350 ;37.5000  
P66=-82.4570 ;37.7500  
P67=-82.4790 ;38.0000  
P68=-82.4630 ;38.2500  
P69=-82.4470 ;38.5000  
P70=-82.3965 ;38.7500  
P71=-82.3460 ;39.0000  
P72=-82.2640 ;39.2500  
P73=-82.1820 ;39.5000  
P74=-82.0910 ;39.7180  
P75=-82.0000 ;39.9360  
P76=-81.9700 ;40.0000  
P77=-81.8220 ;40.2500  
P78=-81.6740 ;40.5000  
P79=-81.5000 ;40.7510  
P80=-81.3060 ;41.0000  
P81=-81.1530 ;41.1755  
P82=-81.0000 ;41.3510  
P83=-80.8560 ;41.5000  
P84=-80.6780 ;41.6665  
P85=-80.5000 ;41.8330  
P86=-80.3030 ;42.0000  
P87=-80.0000 ;42.2270  
P88=-79.6110 ;42.5000  
P89=-79.5000 ;42.5690  
P90=-79.2500 ;42.7085  
P91=-79.0000 ;42.8480  
P92=-78.6990 ;43.0000  
P93=-78.5000 ;43.0900  
P94=-78.2500 ;43.1885  
P95=-78.0000 ;43.2870  
P96=-77.5000 ;43.4580  
P97=-77.3460 ;43.5000  
P98=-77.0000 ;43.5830  
P99=-76.5000 ;43.6730  
P100=-76.0000 ;43.7290  
P101=-75.5000 ;43.7480  
P102=-75.0000 ;43.7260  
P103=-74.5000 ;43.6610  
P104=-74.0000 ;43.5500  
P105=-73.8410 ;43.5000  
P106=-73.5000 ;43.3630  
P107=-73.2500 ;43.2270  
P108=-73.0000 ;43.0910  
P109=-72.8680 ;43.0000  
P110=-72.6840 ;42.8385  
P111=-72.5000 ;42.6770  
P112=-72.3380 ;42.5000  
P113=-72.1785 ;42.2500  
P114=-72.0190 ;42.0000

P115=-72.0000 ;41.9520  
[C7]  
gain=-6.00  
n\_point=106  
P1=-73.0000 ;40.8890  
P2=-72.9700 ;40.6945  
P3=-72.9400 ;40.5000  
P4=-72.9390 ;40.2500  
P5=-72.9380 ;40.0000  
P6=-72.9690 ;39.8130  
P7=-73.0000 ;39.6260  
P8=-73.0230 ;39.5000  
P9=-73.0985 ;39.2500  
P10=-73.1740 ;39.0000  
P11=-73.2840 ;38.7500  
P12=-73.3940 ;38.5000  
P13=-73.5000 ;38.2970  
P14=-73.6700 ;38.0000  
P15=-73.8350 ;37.7695  
P16=-74.0000 ;37.5390  
P17=-74.0300 ;37.5000  
P18=-74.2515 ;37.2500  
P19=-74.4730 ;37.0000  
P20=-74.5000 ;36.9740  
P21=-74.7500 ;36.7505  
P22=-75.0000 ;36.5270  
P23=-75.0330 ;36.5000  
P24=-75.2665 ;36.3400  
P25=-75.5000 ;36.1800  
P26=-75.7940 ;36.0000  
P27=-76.0000 ;35.8900  
P28=-76.2500 ;35.7795  
P29=-76.5000 ;35.6690  
P30=-76.7400 ;35.5845  
P31=-76.9800 ;35.5000  
P32=-77.0000 ;35.4940  
P33=-77.2500 ;35.4435  
P34=-77.5000 ;35.3930  
P35=-77.7500 ;35.3680  
P36=-78.0000 ;35.3430  
P37=-78.2500 ;35.3445  
P38=-78.5000 ;35.3460  
P39=-78.7500 ;35.3765  
P40=-79.0000 ;35.4070  
P41=-79.2040 ;35.4535  
P42=-79.4080 ;35.5000  
P43=-79.5000 ;35.5270  
P44=-79.7500 ;35.6420  
P45=-80.0000 ;35.7570  
P46=-80.2060 ;35.8785  
P47=-80.4120 ;36.0000  
P48=-80.5000 ;36.0700  
P49=-80.7100 ;36.2850  
P50=-80.9200 ;36.5000  
P51=-81.0000 ;36.6140  
P52=-81.1100 ;36.8070  
P53=-81.2200 ;37.0000

P54=-81.3065 ;37.2500  
P55=-81.3930 ;37.5000  
P56=-81.4345 ;37.7500  
P57=-81.4760 ;38.0000  
P58=-81.4605 ;38.2500  
P59=-81.4450 ;38.5000  
P60=-81.3895 ;38.7500  
P61=-81.3340 ;39.0000  
P62=-81.2440 ;39.2500  
P63=-81.1540 ;39.5000  
P64=-81.0000 ;39.8040  
P65=-80.8870 ;40.0000  
P66=-80.7130 ;40.2500  
P67=-80.5390 ;40.5000  
P68=-80.5000 ;40.5480  
P69=-80.2925 ;40.7740  
P70=-80.0850 ;41.0000  
P71=-80.0000 ;41.0800  
P72=-79.7505 ;41.2900  
P73=-79.5010 ;41.5000  
P74=-79.5000 ;41.5010  
P75=-79.2500 ;41.6635  
P76=-79.0000 ;41.8260  
P77=-78.6950 ;42.0000  
P78=-78.5000 ;42.1000  
P79=-78.2500 ;42.2085  
P80=-78.0000 ;42.3170  
P81=-77.7500 ;42.4070  
P82=-77.5000 ;42.4970  
P83=-77.4880 ;42.5000  
P84=-77.2440 ;42.5570  
P85=-77.0000 ;42.6140  
P86=-76.7500 ;42.6535  
P87=-76.5000 ;42.6930  
P88=-76.2500 ;42.7095  
P89=-76.0000 ;42.7260  
P90=-75.7500 ;42.7170  
P91=-75.5000 ;42.7080  
P92=-75.2500 ;42.6720  
P93=-75.0000 ;42.6360  
P94=-74.7500 ;42.5690  
P95=-74.5000 ;42.5020  
P96=-74.4960 ;42.5000  
P97=-74.2480 ;42.3705  
P98=-74.0000 ;42.2410  
P99=-73.8365 ;42.1205  
P100=-73.6730 ;42.0000  
P101=-73.5000 ;41.8270  
P102=-73.3755 ;41.6635  
P103=-73.2510 ;41.5000  
P104=-73.1365 ;41.2500  
P105=-73.0220 ;41.0000  
P106=-73.0000 ;40.8890  
[C8]  
gain=-4.00  
n\_point=93  
P1=-74.0000 ;41.0480

P2=-73.9680 ;41.0000  
P3=-73.8715 ;40.7500  
P4=-73.7750 ;40.5000  
P5=-73.7455 ;40.2500  
P6=-73.7160 ;40.0000  
P7=-73.7395 ;39.7500  
P8=-73.7630 ;39.5000  
P9=-73.8250 ;39.2500  
P10=-73.8870 ;39.0000  
P11=-73.9435 ;38.8630  
P12=-74.0000 ;38.7260  
P13=-74.1020 ;38.5000  
P14=-74.1993 ;38.3333  
P15=-74.2967 ;38.1667  
P16=-74.3940 ;38.0000  
P17=-74.5000 ;37.8590  
P18=-74.6455 ;37.6795  
P19=-74.7910 ;37.5000  
P20=-75.0000 ;37.2870  
P21=-75.1580 ;37.1435  
P22=-75.3160 ;37.0000  
P23=-75.5000 ;36.8550  
P24=-75.7500 ;36.6830  
P25=-76.0000 ;36.5110  
P26=-76.0200 ;36.5000  
P27=-76.2600 ;36.3850  
P28=-76.5000 ;36.2700  
P29=-76.7500 ;36.1760  
P30=-77.0000 ;36.0820  
P31=-77.1620 ;36.0410  
P32=-77.3240 ;36.0000  
P33=-77.5000 ;35.9630  
P34=-77.7500 ;35.9390  
P35=-78.0000 ;35.9150  
P36=-78.2500 ;35.9215  
P37=-78.5000 ;35.9280  
P38=-78.7215 ;35.9640  
P39=-78.9430 ;36.0000  
P40=-79.0000 ;36.0120  
P41=-79.2500 ;36.1120  
P42=-79.5000 ;36.2120  
P43=-79.7465 ;36.3560  
P44=-79.9930 ;36.5000  
P45=-80.0000 ;36.5060  
P46=-80.1403 ;36.6707  
P47=-80.2807 ;36.8353  
P48=-80.4210 ;37.0000  
P49=-80.5000 ;37.1390  
P50=-80.5795 ;37.3195  
P51=-80.6590 ;37.5000  
P52=-80.7095 ;37.7500  
P53=-80.7600 ;38.0000  
P54=-80.7585 ;38.2500  
P55=-80.7570 ;38.5000  
P56=-80.7000 ;38.7500  
P57=-80.6430 ;39.0000  
P58=-80.5715 ;39.1880



P59=-80.5000 ;39.3760  
P60=-80.4450 ;39.5000  
P61=-80.3433 ;39.6667  
P62=-80.2417 ;39.8333  
P63=-80.1400 ;40.0000  
P64=-80.0000 ;40.1800  
P65=-79.8575 ;40.3400  
P66=-79.7150 ;40.5000  
P67=-79.5000 ;40.7070  
P68=-79.3255 ;40.8535  
P69=-79.1510 ;41.0000  
P70=-79.0000 ;41.1100  
P71=-78.7500 ;41.2670  
P72=-78.5000 ;41.4240  
P73=-78.3530 ;41.5000  
P74=-78.1765 ;41.5785  
P75=-78.0000 ;41.6570  
P76=-77.7500 ;41.7465  
P77=-77.5000 ;41.8360  
P78=-77.2500 ;41.9030  
P79=-77.0000 ;41.9700  
P80=-76.7930 ;42.0000  
P81=-76.5000 ;42.0360  
P82=-76.2500 ;42.0390  
P83=-76.0000 ;42.0420  
P84=-75.8045 ;42.0210  
P85=-75.6090 ;42.0000  
P86=-75.5000 ;41.9850  
P87=-75.2500 ;41.9075  
P88=-75.0000 ;41.8300  
P89=-74.7500 ;41.7020  
P90=-74.5000 ;41.5740  
P91=-74.4000 ;41.5000  
P92=-74.2000 ;41.2740  
P93=-74.0000 ;41.0480  
[C9]  
gain=-2.00  
n\_point=85  
P1=-75.0000 ;40.4470  
P2=-74.9393 ;40.2980  
P3=-74.8787 ;40.1490  
P4=-74.8180 ;40.0000  
P5=-74.8023 ;39.8333  
P6=-74.7867 ;39.6667  
P7=-74.7710 ;39.5000  
P8=-74.8037 ;39.3333  
P9=-74.8363 ;39.1667  
P10=-74.8690 ;39.0000  
P11=-74.9345 ;38.8290  
P12=-75.0000 ;38.6580  
P13=-75.0690 ;38.5000  
P14=-75.1833 ;38.3333  
P15=-75.2977 ;38.1667  
P16=-75.4120 ;38.0000  
P17=-75.5000 ;37.8980  
P18=-75.6333 ;37.7653  
P19=-75.7667 ;37.6327

P20=-75.9000 ;37.5000  
P21=-76.0000 ;37.4240  
P22=-76.1667 ;37.3160  
P23=-76.3333 ;37.2080  
P24=-76.5000 ;37.1000  
P25=-76.7000 ;37.0000  
P26=-76.8500 ;36.9420  
P27=-77.0000 ;36.8840  
P28=-77.1667 ;36.8433  
P29=-77.3333 ;36.8027  
P30=-77.5000 ;36.7620  
P31=-77.6667 ;36.7493  
P32=-77.8333 ;36.7367  
P33=-78.0000 ;36.7240  
P34=-78.1667 ;36.7447  
P35=-78.3333 ;36.7653  
P36=-78.5000 ;36.7860  
P37=-78.6667 ;36.8427  
P38=-78.8333 ;36.8993  
P39=-79.0000 ;36.9560  
P40=-79.0730 ;37.0000  
P41=-79.2153 ;37.1347  
P42=-79.3577 ;37.2693  
P43=-79.5000 ;37.4040  
P44=-79.5720 ;37.5000  
P45=-79.6393 ;37.6667  
P46=-79.7067 ;37.8333  
P47=-79.7740 ;38.0000  
P48=-79.7850 ;38.1667  
P49=-79.7960 ;38.3333  
P50=-79.8070 ;38.5000  
P51=-79.7710 ;38.6667  
P52=-79.7350 ;38.8333  
P53=-79.6990 ;39.0000  
P54=-79.6327 ;39.1403  
P55=-79.5663 ;39.2807  
P56=-79.5000 ;39.4210  
P57=-79.4550 ;39.5000  
P58=-79.3237 ;39.6667  
P59=-79.1923 ;39.8333  
P60=-79.0610 ;40.0000  
P61=-79.0000 ;40.0610  
P62=-78.8333 ;40.2020  
P63=-78.6667 ;40.3430  
P64=-78.5000 ;40.4840  
P65=-78.4760 ;40.5000  
P66=-78.3173 ;40.5843  
P67=-78.1587 ;40.6687  
P68=-78.0000 ;40.7530  
P69=-77.8333 ;40.8233  
P70=-77.6667 ;40.8937  
P71=-77.5000 ;40.9640  
P72=-77.3650 ;41.0000  
P73=-77.1825 ;41.0400  
P74=-77.0000 ;41.0800  
P75=-76.7500 ;41.0960  
P76=-76.5000 ;41.1120

P77=-76.2500 ;41.0850  
P78=-76.0000 ;41.0580  
P79=-75.8070 ;41.0000  
P80=-75.6535 ;40.9330  
P81=-75.5000 ;40.8660  
P82=-75.3443 ;40.7440  
P83=-75.1887 ;40.6220  
P84=-75.0330 ;40.5000  
P85=-75.0000 ;40.4470