

[FormatInfo]  
format\_ver=1  
[GeoMain]  
ntc\_id=1  
adm=USA  
sat\_name=VIASAT-1  
long\_nom=-115.10  
n\_diag=1  
[COHeader]  
beam\_id=TCR  
emi\_rcp=R  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=14  
[B1]  
gain=0.00  
p=-103.2740;44.3960  
[C1]  
gain=-2.00  
n\_point=27  
P1=-112.2840;39.7370  
P2=-112.1310;39.3140  
P3=-112.0820;38.8940  
P4=-112.0990;38.4780  
P5=-112.1630;38.0650  
P6=-112.2760;37.6550  
P7=-112.4300;37.3150  
P8=-112.4740;37.2480  
P9=-112.8100;36.9220  
P10=-113.0460;36.8430  
P11=-113.1780;36.8100  
P12=-113.3230;36.8420  
P13=-113.5410;36.9060  
P14=-113.8920;37.2420  
P15=-113.9000;37.2540  
P16=-114.0580;37.6470  
P17=-114.1300;38.0560  
P18=-114.1310;38.4690  
P19=-114.0690;38.8850  
P20=-113.9390;39.3060  
P21=-113.8610;39.4630  
P22=-113.6750;39.7310  
P23=-113.4690;39.9340  
P24=-113.0800;40.1210  
P25=-112.6970;40.0880  
P26=-112.3260;39.8000  
P27=-112.2840;39.7370  
[C2]  
gain=-6.00  
n\_point=45  
P1=-112.4880;41.0330  
P2=-112.2720;40.9670  
P3=-111.8950;40.7150  
P4=-111.7850;40.6010  
P5=-111.5350;40.2420

P6=-111.4950;40.1710  
P7=-111.3440;39.7440  
P8=-111.2740;39.3210  
P9=-111.2610;38.9010  
P10=-111.2870;38.4840  
P11=-111.3430;38.0710  
P12=-111.4300;37.6610  
P13=-111.5630;37.2540  
P14=-111.7120;36.9500  
P15=-111.7640;36.8500  
P16=-112.0720;36.4490  
P17=-112.1010;36.4200  
P18=-112.4750;36.1370  
P19=-112.6680;36.0490  
P20=-112.8410;35.9810  
P21=-113.2020;35.9330  
P22=-113.5610;35.9840  
P23=-113.7060;36.0450  
P24=-113.9180;36.1450  
P25=-114.2760;36.4330  
P26=-114.2830;36.4400  
P27=-114.5740;36.8390  
P28=-114.6350;36.9620  
P29=-114.7620;37.2410  
P30=-114.8750;37.6460  
P31=-114.9300;38.0560  
P32=-114.9370;38.4680  
P33=-114.8980;38.8840  
P34=-114.8090;39.3050  
P35=-114.6550;39.7290  
P36=-114.6180;39.7980  
P37=-114.4160;40.1570  
P38=-114.2290;40.3910  
P39=-114.0350;40.5900  
P40=-113.8360;40.7520  
P41=-113.4420;40.9710  
P42=-113.2350;41.0290  
P43=-113.0480;41.0790  
P44=-112.6580;41.0800  
P45=-112.4880;41.0330

[C3]

gain=-8.00

n\_point=49

P1=-111.8120;41.0380  
P2=-111.5060;40.7300  
P3=-111.4120;40.6050  
P4=-111.1810;40.1740  
P5=-111.1580;40.1030  
P6=-111.0440;39.7470  
P7=-110.9750;39.3240  
P8=-110.9580;38.9030  
P9=-110.9790;38.4870  
P10=-111.0330;38.0740  
P11=-111.1240;37.6640  
P12=-111.2590;37.2560  
P13=-111.3390;37.0890

P14=-111.4500;36.8530  
P15=-111.7230;36.4510  
P16=-111.7380;36.4340  
P17=-112.1160;36.0640  
P18=-112.1320;36.0530  
P19=-112.4860;35.8310  
P20=-112.8490;35.7010  
P21=-113.2090;35.6610  
P22=-113.5670;35.7040  
P23=-113.9230;35.8400  
P24=-114.2260;36.0440  
P25=-114.2790;36.0860  
P26=-114.6150;36.4400  
P27=-114.6380;36.4710  
P28=-114.8720;36.8390  
P29=-115.0000;37.1370  
P30=-115.0460;37.2410  
P31=-115.1620;37.6460  
P32=-115.2220;38.0560  
P33=-115.2350;38.4680  
P34=-115.2020;38.8840  
P35=-115.1170;39.3050  
P36=-115.0000;39.6380  
P37=-114.9700;39.7290  
P38=-114.7560;40.1570  
P39=-114.6150;40.3550  
P40=-114.4320;40.5890  
P41=-114.2230;40.7970  
P42=-113.9280;41.0270  
P43=-113.8290;41.0950  
P44=-113.4330;41.2870  
P45=-113.0380;41.3840  
P46=-112.6450;41.3900  
P47=-112.2560;41.2990  
P48=-111.8750;41.0910  
P49=-111.8120;41.0380

[C4]

gain=-10.00

n\_point=57

P1=-112.0450;41.4770  
P2=-111.8590;41.3870  
P3=-111.4850;41.0760  
P4=-111.4540;41.0410  
P5=-111.1350;40.6070  
P6=-111.1260;40.5900  
P7=-110.9270;40.1760  
P8=-110.8020;39.7490  
P9=-110.7990;39.7310  
P10=-110.7270;39.3260  
P11=-110.7020;38.9060  
P12=-110.7180;38.4890  
P13=-110.7720;38.0760  
P14=-110.8670;37.6660  
P15=-110.9510;37.4230  
P16=-111.0050;37.2590  
P17=-111.1930;36.8550

P18=-111.3660;36.5850  
P19=-111.4530;36.4530  
P20=-111.7530;36.1120  
P21=-111.8120;36.0550  
P22=-112.1280;35.7960  
P23=-112.3680;35.6580  
P24=-112.4950;35.5850  
P25=-112.8570;35.4610  
P26=-113.2150;35.4210  
P27=-113.5720;35.4620  
P28=-113.9270;35.5940  
P29=-114.0200;35.6520  
P30=-114.2820;35.8130  
P31=-114.5400;36.0440  
P32=-114.6400;36.1470  
P33=-114.8760;36.4390  
P34=-115.0000;36.6430  
P35=-115.1180;36.8390  
P36=-115.2890;37.2410  
P37=-115.3680;37.5340  
P38=-115.4040;37.6470  
P39=-115.4760;38.0560  
P40=-115.4960;38.4680  
P41=-115.4650;38.8850  
P42=-115.3790;39.2960  
P43=-115.3770;39.3050  
P44=-115.2470;39.7290  
P45=-115.0350;40.1570  
P46=-115.0000;40.2090  
P47=-114.7410;40.5890  
P48=-114.6120;40.7320  
P49=-114.3100;41.0260  
P50=-114.2190;41.1020  
P51=-113.8230;41.3660  
P52=-113.5930;41.4690  
P53=-113.4260;41.5470  
P54=-113.0290;41.6480  
P55=-112.6340;41.6600  
P56=-112.2430;41.5770  
P57=-112.0450;41.4770

[C5]

gain=-20.00

n\_point=81

P1=-111.4480;42.8350  
P2=-111.3770;42.7660  
P3=-111.1820;42.3810  
P4=-111.0280;42.0220  
P5=-111.0060;41.9320  
P6=-110.7700;41.4890  
P7=-110.6820;41.3450  
P8=-110.5350;41.0500  
P9=-110.3460;40.6250  
P10=-110.3420;40.6150  
P11=-110.1560;40.1850  
P12=-110.0390;39.7580  
P13=-110.0330;39.7240

P14=-109.9190;39.3350  
P15=-109.8680;38.9150  
P16=-109.8670;38.4980  
P17=-109.9110;38.0850  
P18=-110.0040;37.6750  
P19=-110.1840;37.2670  
P20=-110.2280;37.2060  
P21=-110.3820;36.8620  
P22=-110.6450;36.4720  
P23=-110.6520;36.4600  
P24=-110.9450;36.0610  
P25=-111.0390;35.9500  
P26=-111.2970;35.6660  
P27=-111.4230;35.5070  
P28=-111.6760;35.2730  
P29=-111.8010;35.0880  
P30=-112.0310;34.8830  
P31=-112.1750;34.6360  
P32=-112.3230;34.4970  
P33=-112.5400;34.2980  
P34=-112.8960;34.1390  
P35=-113.2480;34.1140  
P36=-113.5970;34.1940  
P37=-113.9450;34.4070  
P38=-114.0270;34.4910  
P39=-114.2930;34.7350  
P40=-114.3820;34.8740  
P41=-114.6450;35.1260  
P42=-114.7360;35.2610  
P43=-115.0000;35.5330  
P44=-115.0950;35.6510  
P45=-115.3600;35.9610  
P46=-115.4410;36.0440  
P47=-115.7240;36.4120  
P48=-115.7560;36.4400  
P49=-116.0720;36.8400  
P50=-116.0940;36.8830  
P51=-116.3980;37.2430  
P52=-116.4700;37.3890  
P53=-116.6420;37.6490  
P54=-116.8060;38.0590  
P55=-116.8660;38.3730  
P56=-116.8840;38.4720  
P57=-116.8920;38.8890  
P58=-116.8840;38.9540  
P59=-116.8270;39.3080  
P60=-116.6730;39.7320  
P61=-116.5330;39.9780  
P62=-116.4170;40.1590  
P63=-116.1580;40.4150  
P64=-116.0080;40.5900  
P65=-115.7770;40.7650  
P66=-115.5030;41.0260  
P67=-115.3910;41.1030  
P68=-115.0000;41.4320  
P69=-114.9600;41.4670

P70=-114.6050;41.7550  
P71=-114.3770;41.9130  
P72=-114.2060;42.0750  
P73=-113.8030;42.3420  
P74=-113.7510;42.3650  
P75=-113.3940;42.6850  
P76=-113.1030;42.8230  
P77=-112.9830;42.9220  
P78=-112.5720;43.0930  
P79=-112.1650;43.1220  
P80=-111.7650;43.0190  
P81=-111.4480;42.8350

[C6]

gain=-4.00

n\_point=66

P1=-112.3660;40.5640  
P2=-112.2200;40.4570  
P3=-112.0860;40.3360  
P4=-111.9660;40.2020  
P5=-111.8650;40.0520  
P6=-111.7890;39.8880  
P7=-111.7280;39.7180  
P8=-111.6810;39.5440  
P9=-111.6510;39.3650  
P10=-111.6320;39.1860  
P11=-111.6240;39.0060  
P12=-111.6260;38.8250  
P13=-111.6350;38.6450  
P14=-111.6520;38.4650  
P15=-111.6740;38.2860  
P16=-111.7020;38.1080  
P17=-111.7360;37.9300  
P18=-111.7760;37.7540  
P19=-111.8250;37.5810  
P20=-111.8830;37.4100  
P21=-111.9520;37.2430  
P22=-112.0330;37.0810  
P23=-112.1260;36.9260  
P24=-112.2390;36.7850  
P25=-112.3640;36.6550  
P26=-112.5000;36.5370  
P27=-112.6520;36.4390  
P28=-112.8170;36.3660  
P29=-112.9920;36.3200  
P30=-113.1710;36.3020  
P31=-113.3510;36.3140  
P32=-113.5270;36.3530  
P33=-113.6940;36.4210  
P34=-113.8470;36.5170  
P35=-113.9850;36.6340  
P36=-114.1090;36.7650  
P37=-114.2220;36.9060  
P38=-114.3130;37.0620  
P39=-114.3920;37.2240  
P40=-114.4520;37.3950  
P41=-114.5030;37.5680

P42=-114.5410;37.7440  
P43=-114.5660;37.9230  
P44=-114.5820;38.1030  
P45=-114.5870;38.2830  
P46=-114.5810;38.4640  
P47=-114.5670;38.6440  
P48=-114.5440;38.8230  
P49=-114.5100;39.0000  
P50=-114.4680;39.1760  
P51=-114.4150;39.3480  
P52=-114.3510;39.5170  
P53=-114.2810;39.6830  
P54=-114.1930;39.8400  
P55=-114.0860;39.9860  
P56=-113.9820;40.1320  
P57=-113.8590;40.2670  
P58=-113.7150;40.3740  
P59=-113.5690;40.4810  
P60=-113.4170;40.5770  
P61=-113.2450;40.6330  
P62=-113.0680;40.6730  
P63=-112.8880;40.6890  
P64=-112.7090;40.6740  
P65=-112.5330;40.6320  
P66=-112.3660;40.5640

[C7]

gain=-15.00

n\_point=65

P1=-111.5810;41.8330  
P2=-111.3410;41.6260  
P3=-111.1330;41.3850  
P4=-110.9450;41.1290  
P5=-110.7800;40.8570  
P6=-110.6320;40.5750  
P7=-110.5100;40.2810  
P8=-110.4100;39.9790  
P9=-110.3260;39.6730  
P10=-110.2670;39.3600  
P11=-110.2350;39.0440  
P12=-110.2280;38.7260  
P13=-110.2450;38.4080  
P14=-110.2860;38.0930  
P15=-110.3530;37.7820  
P16=-110.4470;37.4780  
P17=-110.5670;37.1830  
P18=-110.7070;36.8980  
P19=-110.8650;36.6220  
P20=-111.0430;36.3590  
P21=-111.2400;36.1080  
P22=-111.4550;35.8740  
P23=-111.6830;35.6530  
P24=-111.9300;35.4530  
P25=-112.1920;35.2720  
P26=-112.4610;35.1030  
P27=-112.7560;34.9860  
P28=-113.0690;34.9270

P29=-113.3870;34.9260  
P30=-113.6990;34.9850  
P31=-113.9920;35.1080  
P32=-114.2570;35.2840  
P33=-114.5080;35.4790  
P34=-114.7440;35.6920  
P35=-114.9630;35.9220  
P36=-115.1620;36.1690  
P37=-115.3470;36.4280  
P38=-115.5220;36.6940  
P39=-115.6710;36.9740  
P40=-115.8070;37.2620  
P41=-115.9240;37.5580  
P42=-116.0070;37.8650  
P43=-116.0570;38.1790  
P44=-116.0770;38.4960  
P45=-116.0700;38.8140  
P46=-116.0310;39.1300  
P47=-115.9550;39.4390  
P48=-115.8420;39.7360  
P49=-115.7030;40.0220  
P50=-115.5430;40.2960  
P51=-115.3590;40.5560  
P52=-115.1550;40.8000  
P53=-114.9430;41.0370  
P54=-114.7100;41.2540  
P55=-114.4670;41.4590  
P56=-114.2110;41.6480  
P57=-113.9400;41.8140  
P58=-113.6580;41.9600  
P59=-113.3730;42.1020  
P60=-113.0680;42.1920  
P61=-112.7530;42.2360  
P62=-112.4350;42.2290  
P63=-112.1260;42.1570  
P64=-111.8400;42.0170  
P65=-111.5810;41.8330

[C8]

gain=-2.00

n\_point=25

P1=-102.6830;45.8730  
P2=-102.4930;45.8210  
P3=-102.1360;45.5030  
P4=-102.0740;45.4010  
P5=-101.9340;44.9190  
P6=-101.9470;44.5580  
P7=-101.9560;44.4380  
P8=-102.0370;44.2090  
P9=-102.1310;43.9590  
P10=-102.5060;43.4780  
P11=-102.6730;43.3390  
P12=-103.1410;43.1250  
P13=-103.5600;43.1140  
P14=-103.9410;43.2800  
P15=-104.0970;43.4310  
P16=-104.2710;43.7060



P17=-104.3450;43.8920  
P18=-104.3910;44.3640  
P19=-104.2900;44.8460  
P20=-104.0170;45.3390  
P21=-103.8900;45.4780  
P22=-103.3690;45.8380  
P23=-103.3030;45.8530  
P24=-102.9090;45.9220  
P25=-102.6830;45.8730

[C9]

gain=-15.00

n\_point=61

P1=-101.2360;47.9650  
P2=-101.0120;47.8600  
P3=-100.6390;47.5720  
P4=-100.5440;47.4690  
P5=-100.3080;47.1640  
P6=-100.1960;46.9690  
P7=-100.0440;46.5580  
P8=-100.0140;46.4690  
P9=-99.9250;45.9720  
P10=-99.9240;45.5120  
P11=-99.9220;45.4790  
P12=-99.9600;44.9910  
P13=-100.0630;44.5060  
P14=-100.2210;44.0260  
P15=-100.4370;43.5490  
P16=-100.5600;43.3400  
P17=-100.7080;43.0760  
P18=-101.0440;42.6060  
P19=-101.2320;42.3930  
P20=-101.4780;42.1380  
P21=-101.7730;41.8800  
P22=-102.0730;41.6710  
P23=-102.2600;41.5490  
P24=-102.7150;41.3320  
P25=-103.1460;41.2060  
P26=-103.2310;41.1940  
P27=-103.5630;41.1380  
P28=-103.9650;41.1360  
P29=-104.1750;41.1680  
P30=-104.3550;41.1920  
P31=-104.7360;41.3030  
P32=-105.1020;41.4980  
P33=-105.2150;41.5840  
P34=-105.4560;41.7780  
P35=-105.6740;42.0200  
P36=-105.7920;42.1800  
P37=-105.9680;42.4650  
P38=-106.1000;42.7760  
P39=-106.1580;42.9180  
P40=-106.2740;43.3770  
P41=-106.3160;43.8430  
P42=-106.3120;43.9940  
P43=-106.3090;44.3160  
P44=-106.2400;44.7970

P45=-106.1050;45.2850  
P46=-106.0760;45.3570  
P47=-105.9130;45.7810  
P48=-105.6440;46.2850  
P49=-105.3980;46.6250  
P50=-105.2630;46.8010  
P51=-104.8210;47.2520  
P52=-104.7300;47.3280  
P53=-104.2770;47.6640  
P54=-103.8570;47.8740  
P55=-103.7580;47.9260  
P56=-103.2530;48.1060  
P57=-102.7670;48.1980  
P58=-102.2970;48.2210  
P59=-101.8450;48.1760  
P60=-101.4170;48.0530  
P61=-101.2360;47.9650

[C10]

gain=-20.00

n\_point=65

P1=-101.4180;48.4880  
P2=-101.2930;48.4600  
P3=-100.8720;48.3060  
P4=-100.4810;48.0650  
P5=-100.4030;47.9970  
P6=-100.1210;47.7420  
P7=-99.9330;47.4940  
P8=-99.8120;47.2740  
P9=-99.6750;46.9900  
P10=-99.5860;46.5680  
P11=-99.5620;46.4870  
P12=-99.5030;45.9900  
P13=-99.5390;45.4950  
P14=-99.6040;45.1150  
P15=-99.6150;45.0050  
P16=-99.7270;44.5190  
P17=-99.9020;44.0380  
P18=-99.9750;43.8910  
P19=-100.1170;43.5600  
P20=-100.3700;43.0880  
P21=-100.6940;42.6180  
P22=-100.7850;42.5070  
P23=-101.0740;42.1520  
P24=-101.3660;41.8600  
P25=-101.5650;41.6880  
P26=-101.8780;41.4400  
P27=-102.2630;41.2220  
P28=-102.3460;41.1700  
P29=-102.7920;40.9790  
P30=-103.2150;40.8750  
P31=-103.6260;40.8240  
P32=-104.0260;40.8210  
P33=-104.4160;40.8670  
P34=-104.7970;40.9640  
P35=-105.1660;41.1290  
P36=-105.1880;41.1430

P37=-105.5260;41.3630  
P38=-105.7540;41.5720  
P39=-105.8720;41.6950  
P40=-106.1140;42.0110  
P41=-106.2000;42.1580  
P42=-106.3590;42.4570  
P43=-106.4950;42.8670  
P44=-106.5100;42.9100  
P45=-106.6160;43.3690  
P46=-106.6500;43.8360  
P47=-106.6300;44.3090  
P48=-106.5610;44.7900  
P49=-106.4450;45.2770  
P50=-106.2800;45.7720  
P51=-106.0480;46.2760  
P52=-105.8470;46.5910  
P53=-105.7260;46.7890  
P54=-105.3080;47.3120  
P55=-105.2430;47.3820  
P56=-104.6960;47.8500  
P57=-104.6870;47.8570  
P58=-104.1460;48.2130  
P59=-103.6410;48.3910  
P60=-103.5510;48.4130  
P61=-103.1360;48.5480  
P62=-102.6500;48.6200  
P63=-102.1800;48.6280  
P64=-101.7260;48.5770  
P65=-101.4180;48.4880

[C11]

gain=-4.00

n\_point=66

P1=-102.0790;46.3050  
P2=-101.9350;46.1970  
P3=-101.8090;46.0710  
P4=-101.6970;45.9300  
P5=-101.6020;45.7790  
P6=-101.5400;45.6100  
P7=-101.4820;45.4420  
P8=-101.4480;45.2660  
P9=-101.4280;45.0870  
P10=-101.4200;44.9090  
P11=-101.4310;44.7300  
P12=-101.4550;44.5520  
P13=-101.4920;44.3770  
P14=-101.5420;44.2050  
P15=-101.6010;44.0360  
P16=-101.6720;43.8720  
P17=-101.7580;43.7140  
P18=-101.8550;43.5640  
P19=-101.9610;43.4190  
P20=-102.0750;43.2820  
P21=-102.1970;43.1500  
P22=-102.3190;43.0190  
P23=-102.4660;42.9190  
P24=-102.6230;42.8300

P25=-102.7750;42.7360  
P26=-102.9390;42.6650  
P27=-103.1120;42.6150  
P28=-103.2880;42.5800  
P29=-103.4660;42.5690  
P30=-103.6460;42.5810  
P31=-103.8220;42.6160  
P32=-103.9930;42.6720  
P33=-104.1520;42.7530  
P34=-104.2980;42.8560  
P35=-104.4420;42.9630  
P36=-104.5390;43.1150  
P37=-104.6400;43.2620  
P38=-104.7300;43.4150  
P39=-104.7960;43.5840  
P40=-104.8440;43.7560  
P41=-104.8770;43.9320  
P42=-104.8950;44.1100  
P43=-104.8970;44.2890  
P44=-104.8840;44.4680  
P45=-104.8570;44.6450  
P46=-104.8160;44.8190  
P47=-104.7610;44.9900  
P48=-104.6940;45.1560  
P49=-104.6140;45.3160  
P50=-104.5230;45.4700  
P51=-104.4210;45.6170  
P52=-104.3170;45.7640  
P53=-104.2010;45.8990  
P54=-104.0530;46.0030  
P55=-103.9120;46.1140  
P56=-103.7740;46.2260  
P57=-103.6200;46.3180  
P58=-103.4550;46.3890  
P59=-103.2850;46.4430  
P60=-103.1100;46.4860  
P61=-102.9330;46.5130  
P62=-102.7550;46.5100  
P63=-102.5760;46.4920  
P64=-102.3980;46.4620  
P65=-102.2320;46.3990  
P66=-102.0790;46.3050  
[C12]  
gain=-6.00  
n\_point=66  
P1=-101.9880;46.8090  
P2=-101.8020;46.6950  
P3=-101.6260;46.5660  
P4=-101.4610;46.4230  
P5=-101.3500;46.2350  
P6=-101.2410;46.0470  
P7=-101.1460;45.8510  
P8=-101.0990;45.6370  
P9=-101.0510;45.4240  
P10=-101.0400;45.2060  
P11=-101.0330;44.9880

P12=-101.0570;44.7710  
P13=-101.0830;44.5550  
P14=-101.1360;44.3430  
P15=-101.2000;44.1350  
P16=-101.2780;43.9310  
P17=-101.3700;43.7340  
P18=-101.4750;43.5420  
P19=-101.5930;43.3590  
P20=-101.7220;43.1830  
P21=-101.8570;43.0100  
P22=-102.0130;42.8590  
P23=-102.1830;42.7220  
P24=-102.3450;42.5770  
P25=-102.5320;42.4630  
P26=-102.7270;42.3650  
P27=-102.9290;42.2840  
P28=-103.1390;42.2240  
P29=-103.3540;42.1870  
P30=-103.5730;42.1750  
P31=-103.7910;42.1900  
P32=-104.0030;42.2380  
P33=-104.2070;42.3160  
P34=-104.4050;42.4110  
P35=-104.5840;42.5330  
P36=-104.7330;42.6940  
P37=-104.8810;42.8540  
P38=-104.9920;43.0410  
P39=-105.0870;43.2380  
P40=-105.1750;43.4370  
P41=-105.2210;43.6500  
P42=-105.2630;43.8640  
P43=-105.2790;44.0820  
P44=-105.2770;44.3000  
P45=-105.2580;44.5170  
P46=-105.2200;44.7320  
P47=-105.1660;44.9430  
P48=-105.0970;45.1500  
P49=-105.0110;45.3500  
P50=-104.9110;45.5440  
P51=-104.8000;45.7320  
P52=-104.6780;45.9130  
P53=-104.5300;46.0740  
P54=-104.3820;46.2330  
P55=-104.2240;46.3830  
P56=-104.0490;46.5140  
P57=-103.8620;46.6260  
P58=-103.6720;46.7350  
P59=-103.4740;46.8250  
P60=-103.2660;46.8910  
P61=-103.0520;46.9400  
P62=-102.8360;46.9630  
P63=-102.6180;46.9590  
P64=-102.4000;46.9420  
P65=-102.1860;46.9010  
P66=-101.9880;46.8090

[C13]

gain=-8.00  
n\_point=66  
P1=-101.3660;46.8830  
P2=-101.2010;46.6950  
P3=-101.0490;46.4970  
P4=-100.9360;46.2770  
P5=-100.8420;46.0460  
P6=-100.7740;45.8060  
P7=-100.7330;45.5600  
P8=-100.7150;45.3110  
P9=-100.7190;45.0610  
P10=-100.7430;44.8130  
P11=-100.7850;44.5670  
P12=-100.8450;44.3240  
P13=-100.9210;44.0870  
P14=-101.0130;43.8550  
P15=-101.1200;43.6290  
P16=-101.2430;43.4120  
P17=-101.3790;43.2030  
P18=-101.5300;43.0040  
P19=-101.6940;42.8160  
P20=-101.8670;42.6360  
P21=-102.0490;42.4670  
P22=-102.2560;42.3260  
P23=-102.4640;42.1890  
P24=-102.6850;42.0720  
P25=-102.9170;41.9800  
P26=-103.1570;41.9120  
P27=-103.4030;41.8720  
P28=-103.6520;41.8610  
P29=-103.9020;41.8820  
P30=-104.1450;41.9350  
P31=-104.3810;42.0180  
P32=-104.5990;42.1380  
P33=-104.7980;42.2890  
P34=-104.9860;42.4530  
P35=-105.1340;42.6540  
P36=-105.2760;42.8590  
P37=-105.3780;43.0870  
P38=-105.4670;43.3200  
P39=-105.5300;43.5610  
P40=-105.5700;43.8070  
P41=-105.5870;44.0570  
P42=-105.5830;44.3060  
P43=-105.5580;44.5540  
P44=-105.5120;44.8000  
P45=-105.4470;45.0400  
P46=-105.3650;45.2770  
P47=-105.2620;45.5040  
P48=-105.1520;45.7280  
P49=-105.0140;45.9350  
P50=-104.8660;46.1360  
P51=-104.7100;46.3300  
P52=-104.5360;46.5090  
P53=-104.3450;46.6700  
P54=-104.1480;46.8240

P55=-103.9400;46.9600  
P56=-103.7140;47.0680  
P57=-103.4870;47.1700  
P58=-103.2480;47.2450  
P59=-103.0050;47.2990  
P60=-102.7570;47.3290  
P61=-102.5070;47.3280  
P62=-102.2590;47.3000  
P63=-102.0160;47.2440  
P64=-101.7830;47.1550  
P65=-101.5670;47.0300  
P66=-101.3660;46.8830

[C14]

gain=-10.00

n\_point=66

P1=-101.4890;47.3730  
P2=-101.2560;47.2250  
P3=-101.0510;47.0410  
P4=-100.8720;46.8320  
P5=-100.7330;46.5930  
P6=-100.6150;46.3450  
P7=-100.5330;46.0820  
P8=-100.4790;45.8120  
P9=-100.4530;45.5370  
P10=-100.4500;45.2610  
P11=-100.4670;44.9860  
P12=-100.5050;44.7130  
P13=-100.5630;44.4440  
P14=-100.6420;44.1800  
P15=-100.7380;43.9210  
P16=-100.8530;43.6710  
P17=-100.9810;43.4270  
P18=-101.1250;43.1910  
P19=-101.2840;42.9670  
P20=-101.4580;42.7530  
P21=-101.6440;42.5490  
P22=-101.8530;42.3690  
P23=-102.0600;42.1880  
P24=-102.2890;42.0350  
P25=-102.5270;41.8960  
P26=-102.7790;41.7840  
P27=-103.0400;41.6990  
P28=-103.3100;41.6390  
P29=-103.5840;41.6110  
P30=-103.8600;41.6120  
P31=-104.1320;41.6590  
P32=-104.3970;41.7310  
P33=-104.6490;41.8430  
P34=-104.8800;41.9930  
P35=-105.0880;42.1730  
P36=-105.2750;42.3750  
P37=-105.4310;42.6010  
P38=-105.5670;42.8410  
P39=-105.6750;43.0940  
P40=-105.7580;43.3570  
P41=-105.8070;43.6280

P42=-105.8360;43.9020  
P43=-105.8370;44.1780  
P44=-105.8170;44.4530  
P45=-105.7760;44.7250  
P46=-105.7100;44.9930  
P47=-105.6300;45.2570  
P48=-105.5260;45.5120  
P49=-105.4050;45.7600  
P50=-105.2650;45.9970  
P51=-105.1110;46.2260  
P52=-104.9390;46.4410  
P53=-104.7470;46.6390  
P54=-104.5530;46.8350  
P55=-104.3350;47.0020  
P56=-104.1040;47.1540  
P57=-103.8690;47.2960  
P58=-103.6180;47.4110  
P59=-103.3590;47.5050  
P60=-103.0930;47.5780  
P61=-102.8200;47.6210  
P62=-102.5460;47.6380  
P63=-102.2700;47.6230  
P64=-101.9980;47.5770  
P65=-101.7370;47.4890  
P66=-101.4890;47.3730