

[FormatInfo]
format_ver=1
[GeoMain]
ntc_id=1
adm=USA
sat_name=VIASAT-1
long_nom=-115.10
n_diag=1
[COHeader]
beam_id=TML
emi_rcp=E
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=25
P1=-112.2390;39.3140
P2=-111.9860;38.9380
P3=-111.9660;38.8950
P4=-111.8880;38.4790
P5=-111.9280;38.0660
P6=-112.0410;37.7710
P7=-112.0990;37.6560
P8=-112.4310;37.2860
P9=-112.4920;37.2480
P10=-112.8040;37.1020
P11=-113.1710;37.0650
P12=-113.5350;37.1620
P13=-113.6610;37.2430
P14=-113.8970;37.4580
P15=-114.0300;37.6470
P16=-114.1780;38.0560
P17=-114.1930;38.4690
P18=-114.0730;38.8860
P19=-113.8650;39.2140
P20=-113.7780;39.3060
P21=-113.4800;39.5160
P22=-113.0960;39.6330
P23=-112.7160;39.6000
P24=-112.3430;39.4120
P25=-112.2390;39.3140
[C2]
gain=-4.00
n_point=37
P1=-112.9060;40.1620
P2=-112.6950;40.1490
P3=-112.3160;40.0140
P4=-111.9460;39.7480
P5=-111.9380;39.7400
P6=-111.6360;39.3180
P7=-111.5930;39.2190

P8=-111.4820;38.8990
P9=-111.4310;38.4830
P10=-111.4700;38.0700
P11=-111.5980;37.6590
P12=-111.6850;37.4950
P13=-111.8390;37.2520
P14=-112.0760;36.9900
P15=-112.2610;36.8470
P16=-112.4530;36.7230
P17=-112.8210;36.5900
P18=-113.1850;36.5590
P19=-113.5470;36.6280
P20=-113.9070;36.8060
P21=-113.9520;36.8400
P22=-114.2680;37.1480
P23=-114.3390;37.2410
P24=-114.5500;37.6470
P25=-114.6300;37.9460
P26=-114.6560;38.0560
P27=-114.6680;38.4680
P28=-114.6250;38.6980
P29=-114.5870;38.8850
P30=-114.3970;39.3050
P31=-114.2400;39.5230
P32=-114.0460;39.7300
P33=-113.8530;39.8870
P34=-113.4650;40.0860
P35=-113.1300;40.1610
P36=-113.0780;40.1720
P37=-112.9060;40.1620

[C3]

gain=-6.00

n_point=43

P1=-111.8520;40.1690
P2=-111.5570;39.8630
P3=-111.4710;39.7430
P4=-111.2510;39.3210
P5=-111.2150;39.2030
P6=-111.1320;38.9020
P7=-111.0950;38.4860
P8=-111.1330;38.0720
P9=-111.2460;37.6620
P10=-111.3150;37.5140
P11=-111.4440;37.2550
P12=-111.7160;36.8850
P13=-111.7470;36.8500
P14=-112.0960;36.5410
P15=-112.2500;36.4480
P16=-112.4680;36.3270
P17=-112.8330;36.2120
P18=-113.1950;36.1840
P19=-113.5550;36.2380
P20=-113.9140;36.3830
P21=-114.0030;36.4410
P22=-114.2740;36.6390
P23=-114.4680;36.8390

P24=-114.6350;37.0610
P25=-114.7490;37.2410
P26=-114.9210;37.6470
P27=-115.0000;38.0120
P28=-115.0100;38.0560
P29=-115.0240;38.4680
P30=-115.0000;38.6180
P31=-114.9590;38.8850
P32=-114.8090;39.3050
P33=-114.6190;39.6230
P34=-114.5460;39.7290
P35=-114.2330;40.0620
P36=-114.1110;40.1570
P37=-113.8440;40.3380
P38=-113.4540;40.5020
P39=-113.0650;40.5730
P40=-112.6790;40.5560
P41=-112.2960;40.4470
P42=-111.9210;40.2290
P43=-111.8520;40.1690

[C4]

gain=-15.00

n_point=65

P1=-111.6220;41.4810
P2=-111.4660;41.3810
P3=-111.1430;41.0440
P4=-111.0990;40.9990
P5=-110.8110;40.6100
P6=-110.7440;40.5070
P7=-110.5560;40.1800
P8=-110.4080;39.8350
P9=-110.3700;39.7540
P10=-110.2270;39.3310
P11=-110.1540;38.9120
P12=-110.1370;38.4950
P13=-110.1710;38.0820
P14=-110.2580;37.6720
P15=-110.4080;37.2640
P16=-110.6170;36.9050
P17=-110.6400;36.8600
P18=-110.9160;36.4580
P19=-111.0170;36.3370
P20=-111.2660;36.0590
P21=-111.4020;35.9170
P22=-111.7000;35.6620
P23=-111.7780;35.5900
P24=-112.1470;35.3360
P25=-112.2980;35.2690
P26=-112.5110;35.1420
P27=-112.8700;35.0250
P28=-113.2260;34.9880
P29=-113.5800;35.0210
P30=-113.9340;35.1340
P31=-114.1440;35.2620
P32=-114.2870;35.3290
P33=-114.6420;35.5910

P34=-114.7030;35.6510
P35=-115.0000;35.9280
P36=-115.1030;36.0440
P37=-115.3620;36.3630
P38=-115.4220;36.4400
P39=-115.6830;36.8390
P40=-115.7300;36.9360
P41=-115.9030;37.2420
P42=-116.0510;37.6480
P43=-116.1120;37.9490
P44=-116.1440;38.0570
P45=-116.1830;38.4700
P46=-116.1400;38.8860
P47=-116.1300;38.9200
P48=-116.0450;39.3060
P49=-115.8580;39.7290
P50=-115.7650;39.8650
P51=-115.5900;40.1570
P52=-115.3860;40.3990
P53=-115.2240;40.5890
P54=-115.0000;40.8090
P55=-114.7480;41.0260
P56=-114.6100;41.1410
P57=-114.2150;41.4070
P58=-114.0930;41.4680
P59=-113.8180;41.6320
P60=-113.4190;41.7850
P61=-113.0210;41.8630
P62=-112.6250;41.8740
P63=-112.2310;41.8140
P64=-111.8440;41.6560
P65=-111.6220;41.4810
[C5]
gain=-20.00
n_point=63
P1=-112.0700;42.8030
P2=-111.7170;42.6600
P3=-111.4330;42.4000
P4=-111.2140;42.0850
P5=-111.0040;41.7640
P6=-110.8250;41.4240
P7=-110.6390;41.0880
P8=-110.4670;40.7440
P9=-110.2920;40.4020
P10=-110.1300;40.0540
P11=-109.9870;39.6970
P12=-109.8450;39.3410
P13=-109.7660;38.9650
P14=-109.7060;38.5860
P15=-109.6810;38.2030
P16=-109.7760;37.8330
P17=-109.8990;37.4690
P18=-110.0720;37.1270
P19=-110.2930;36.8120
P20=-110.5100;36.4950
P21=-110.7560;36.2000

P22=-111.0050;35.9080
P23=-111.2660;35.6260
P24=-111.5300;35.3480
P25=-111.7880;35.0630
P26=-112.0660;34.7990
P27=-112.3450;34.5370
P28=-112.6550;34.3100
P29=-113.0130;34.1750
P30=-113.3960;34.1630
P31=-113.7660;34.2650
P32=-114.0900;34.4690
P33=-114.3830;34.7150
P34=-114.6540;34.9880
P35=-114.9080;35.2760
P36=-115.1640;35.5620
P37=-115.4150;35.8530
P38=-115.6560;36.1520
P39=-115.8960;36.4520
P40=-116.1190;36.7640
P41=-116.3420;37.0780
P42=-116.5390;37.4070
P43=-116.7200;37.7450
P44=-116.8290;38.1130
P45=-116.8840;38.4930
P46=-116.8690;38.8770
P47=-116.7890;39.2530
P48=-116.6270;39.6000
P49=-116.4140;39.9200
P50=-116.1740;40.2180
P51=-115.9030;40.4920
P52=-115.6250;40.7560
P53=-115.3430;41.0170
P54=-115.0530;41.2690
P55=-114.7570;41.5140
P56=-114.4550;41.7510
P57=-114.1410;41.9720
P58=-113.8350;42.2040
P59=-113.5070;42.4050
P60=-113.1840;42.6120
P61=-112.8270;42.7550
P62=-112.4500;42.8200
P63=-112.0700;42.8030
[C6]
gain=-10.00
n_point=65
P1=-112.0010;40.9830
P2=-111.7790;40.8520
P3=-111.5750;40.6960
P4=-111.3920;40.5160
P5=-111.2240;40.3220
P6=-111.0710;40.1150
P7=-110.9470;39.8900
P8=-110.8330;39.6600
P9=-110.7410;39.4190
P10=-110.6720;39.1720
P11=-110.6250;38.9190

P12=-110.6030;38.6630
P13=-110.6030;38.4060
P14=-110.6270;38.1500
P15=-110.6730;37.8970
P16=-110.7430;37.6490
P17=-110.8350;37.4100
P18=-110.9450;37.1770
P19=-111.0760;36.9560
P20=-111.2220;36.7440
P21=-111.3840;36.5450
P22=-111.5630;36.3590
P23=-111.7520;36.1860
P24=-111.9570;36.0300
P25=-112.1740;35.8920
P26=-112.4060;35.7810
P27=-112.6480;35.6960
P28=-112.8990;35.6380
P29=-113.1550;35.6150
P30=-113.4110;35.6310
P31=-113.6630;35.6830
P32=-113.9070;35.7630
P33=-114.1370;35.8770
P34=-114.3540;36.0150
P35=-114.5530;36.1780
P36=-114.7400;36.3550
P37=-114.9070;36.5510
P38=-115.0610;36.7560
P39=-115.1930;36.9770
P40=-115.3120;37.2050
P41=-115.4090;37.4430
P42=-115.4920;37.6860
P43=-115.5460;37.9380
P44=-115.5790;38.1930
P45=-115.5840;38.4500
P46=-115.5650;38.7060
P47=-115.5180;38.9590
P48=-115.4460;39.2060
P49=-115.3500;39.4440
P50=-115.2400;39.6770
P51=-115.1050;39.8950
P52=-114.9540;40.1040
P53=-114.7830;40.2950
P54=-114.6010;40.4770
P55=-114.4050;40.6430
P56=-114.1940;40.7910
P57=-113.9720;40.9200
P58=-113.7380;41.0270
P59=-113.4960;41.1150
P60=-113.2470;41.1780
P61=-112.9920;41.2070
P62=-112.7350;41.2040
P63=-112.4810;41.1640
P64=-112.2350;41.0890
P65=-112.0010;40.9830
[C7]
gain=-8.00

n_point=66
P1=-111.8050;40.5260
P2=-111.6290;40.3810
P3=-111.4650;40.2220
P4=-111.3280;40.0380
P5=-111.1980;39.8510
P6=-111.0910;39.6490
P7=-111.0020;39.4390
P8=-110.9290;39.2220
P9=-110.8790;38.9990
P10=-110.8450;38.7740
P11=-110.8320;38.5460
P12=-110.8390;38.3170
P13=-110.8680;38.0910
P14=-110.9150;37.8670
P15=-110.9810;37.6490
P16=-111.0650;37.4360
P17=-111.1640;37.2300
P18=-111.2840;37.0360
P19=-111.4130;36.8480
P20=-111.5660;36.6770
P21=-111.7200;36.5090
P22=-111.8970;36.3640
P23=-112.0790;36.2270
P24=-112.2780;36.1140
P25=-112.4830;36.0130
P26=-112.7010;35.9450
P27=-112.9240;35.8950
P28=-113.1520;35.8800
P29=-113.3790;35.8940
P30=-113.6040;35.9370
P31=-113.8190;36.0150
P32=-114.0240;36.1140
P33=-114.2190;36.2320
P34=-114.4010;36.3700
P35=-114.5670;36.5280
P36=-114.7190;36.6980
P37=-114.8550;36.8820
P38=-114.9730;37.0770
P39=-115.0820;37.2780
P40=-115.1640;37.4910
P41=-115.2350;37.7080
P42=-115.2810;37.9320
P43=-115.3100;38.1590
P44=-115.3170;38.3870
P45=-115.3040;38.6150
P46=-115.2710;38.8410
P47=-115.2150;39.0630
P48=-115.1420;39.2790
P49=-115.0440;39.4850
P50=-114.9340;39.6850
P51=-114.8020;39.8710
P52=-114.6600;40.0510
P53=-114.5030;40.2160
P54=-114.3310;40.3670
P55=-114.1490;40.5050

P56=-113.9550;40.6250
P57=-113.7510;40.7280
P58=-113.5370;40.8090
P59=-113.3170;40.8690
P60=-113.0910;40.9010
P61=-112.8620;40.9080
P62=-112.6350;40.8870
P63=-112.4120;40.8370
P64=-112.1980;40.7580
P65=-111.9950;40.6530
P66=-111.8050;40.5260

[C8]

gain=-2.00

n_point=25

P1=-102.1630;45.8900
P2=-102.0520;45.8180
P3=-101.7830;45.4100
P4=-101.7560;45.2820
P5=-101.7280;44.9260
P6=-101.8340;44.4430
P7=-102.0800;43.9600
P8=-102.1080;43.9250
P9=-102.5610;43.4770
P10=-102.6570;43.4080
P11=-103.1220;43.2080
P12=-103.5470;43.1740
P13=-103.9370;43.2990
P14=-104.0990;43.4310
P15=-104.2780;43.6750
P16=-104.3670;43.8910
P17=-104.4020;44.3640
P18=-104.2810;44.8470
P19=-103.9970;45.3400
P20=-103.8950;45.4540
P21=-103.4020;45.8500
P22=-103.3600;45.8750
P23=-102.8830;46.0250
P24=-102.4430;46.0130
P25=-102.1630;45.8900

[C9]

gain=-4.00

n_point=33

P1=-101.7500;46.4040
P2=-101.5060;46.1880
P3=-101.3330;45.9190
P4=-101.2270;45.6030
P5=-101.1910;45.4310
P6=-101.2020;44.9450
P7=-101.3200;44.4600
P8=-101.5420;43.9780
P9=-101.7440;43.6810
P10=-101.8850;43.4980
P11=-102.3110;43.0970
P12=-102.4240;43.0180
P13=-102.7960;42.8060
P14=-103.2430;42.6620

P15=-103.6620;42.6340
P16=-104.0570;42.7210
P17=-104.4270;42.9320
P18=-104.4550;42.9590
P19=-104.7570;43.3630
P20=-104.7830;43.4130
P21=-104.9060;43.8770
P22=-104.9090;44.3500
P23=-104.8000;44.8320
P24=-104.5750;45.3240
P25=-104.2630;45.7600
P26=-104.2050;45.8260
P27=-103.7130;46.2450
P28=-103.5410;46.3440
P29=-103.2060;46.5070
P30=-102.7300;46.6230
P31=-102.2840;46.6160
P32=-101.8710;46.4860
P33=-101.7500;46.4040
[C10]
gain=-6.00
n_point=41
P1=-101.6580;46.9140
P2=-101.3520;46.7260
P3=-101.0790;46.4280
P4=-101.0170;46.3310

P5=-100.8500;45.9370
P6=-100.7930;45.5750
P7=-100.7780;45.4470
P8=-100.8160;44.9590
P9=-100.9430;44.4740
P10=-101.1540;43.9920
P11=-101.2990;43.7580
P12=-101.4580;43.5130
P13=-101.8800;43.0350
P14=-101.9140;43.0040
P15=-102.4240;42.6190
P16=-102.5410;42.5570
P17=-102.8900;42.3900
P18=-103.3270;42.2720
P19=-103.7420;42.2490
P20=-104.1380;42.3160
P21=-104.5150;42.4840
P22=-104.5360;42.5000
P23=-104.8670;42.7920
P24=-104.9830;42.9450
P25=-105.1770;43.3400
P26=-105.2010;43.4020
P27=-105.2870;43.8680
P28=-105.2760;44.3410
P29=-105.1740;44.8220
P30=-104.9790;45.3130
P31=-104.6950;45.7800
P32=-104.6720;45.8130
P33=-104.2040;46.3250

P34=-104.1200;46.3980
P35=-103.5910;46.7580
P36=-103.3710;46.8560
P37=-103.0890;46.9720
P38=-102.6130;47.0700
P39=-102.1610;47.0660
P40=-101.7390;46.9570
P41=-101.6580;46.9140
[C11]
gain=-8.00
n_point=49
P1=-102.0180;47.4140
P2=-101.6310;47.3310
P3=-101.2310;47.1370
P4=-100.9950;46.9380
P5=-100.8740;46.8120
P6=-100.6420;46.4450
P7=-100.5810;46.2860
P8=-100.4860;45.9510
P9=-100.4540;45.4590
P10=-100.5000;45.0660
P11=-100.5110;44.9700
P12=-100.6440;44.4850
P13=-100.7150;44.3200
P14=-100.8500;44.0030
P15=-101.1320;43.5240
P16=-101.4720;43.0920
P17=-101.5110;43.0480
P18=-102.0180;42.5810
P19=-102.0290;42.5730
P20=-102.5060;42.2660
P21=-102.9070;42.0930
P22=-102.9610;42.0710
P23=-103.3920;41.9660
P24=-103.8050;41.9440
P25=-104.2000;42.0020
P26=-104.3380;42.0530
P27=-104.5790;42.1460
P28=-104.9410;42.3950
P29=-105.0330;42.4870
P30=-105.2760;42.8030
P31=-105.3530;42.9360
P32=-105.5200;43.3940
P33=-105.5490;43.5830
P34=-105.5870;43.8600
P35=-105.5700;44.3340
P36=-105.4730;44.8150
P37=-105.2940;45.3050
P38=-105.1840;45.5110
P39=-105.0220;45.8030
P40=-104.6290;46.3120
P41=-104.5660;46.3780
P42=-104.0400;46.8350
P43=-104.0150;46.8540
P44=-103.4930;47.1590
P45=-102.9940;47.3410

P46=-102.7240;47.3900
P47=-102.5160;47.4280
P48=-102.0610;47.4240
P49=-102.0180;47.4140
[C12]
gain=-10.00
n_point=49
P1=-101.1030;47.4480
P2=-100.7580;47.1900
P3=-100.5600;46.9550
P4=-100.4360;46.7570
P5=-100.3000;46.4580
P6=-100.2070;46.0390
P7=-100.1920;45.9620
P8=-100.1790;45.4690
P9=-100.2500;44.9800
P10=-100.3890;44.4940
P11=-100.5920;44.0120
P12=-100.8670;43.5330
P13=-100.9710;43.3910
P14=-101.2190;43.0580
P15=-101.5760;42.6820
P16=-101.6820;42.5840
P17=-102.0940;42.2600
P18=-102.3430;42.1100
P19=-102.5700;41.9830
P20=-103.0180;41.8080
P21=-103.4440;41.7170
P22=-103.8540;41.6970
P23=-104.2500;41.7460
P24=-104.6310;41.8710
P25=-104.9150;42.0380
P26=-104.9960;42.0910
P27=-105.3430;42.4270
P28=-105.3830;42.4790
P29=-105.6390;42.9300
P30=-105.6560;42.9780
P31=-105.7820;43.3880
P32=-105.8330;43.8540
P33=-105.8080;44.3280
P34=-105.7160;44.8090
P35=-105.5530;45.2980
P36=-105.3080;45.7960
P37=-105.0500;46.1740
P38=-104.9540;46.3040
P39=-104.4710;46.8120
P40=-104.4590;46.8230
P41=-103.9290;47.2210
P42=-103.6690;47.3600
P43=-103.4100;47.4930
P44=-102.9110;47.6610
P45=-102.4320;47.7380
P46=-101.9730;47.7340
P47=-101.5380;47.6480
P48=-101.1320;47.4680
P49=-101.1030;47.4480

[C13]

gain=-15.00

n_point=59

P1=-100.7250;47.9840

P2=-100.5410;47.8810

P3=-100.1810;47.5570

P4=-100.1230;47.4860

P5=-99.8710;47.0930

P6=-99.8160;46.9840

P7=-99.6710;46.4830

P8=-99.6590;46.3470

P9=-99.6160;45.9850

P10=-99.6500;45.4900

P11=-99.7520;44.9990

P12=-99.9050;44.5120

P13=-100.1100;44.0300

P14=-100.3710;43.5510

P15=-100.5890;43.2340

P16=-100.6950;43.0760

P17=-101.0870;42.6040

P18=-101.2100;42.4790

P19=-101.5870;42.1350

P20=-101.7420;42.0100

P21=-102.2270;41.6930

P22=-102.2840;41.6650

P23=-102.6860;41.4620

P24=-103.1220;41.3200

P25=-103.5410;41.2460

P26=-103.9470;41.2280

P27=-104.3410;41.2660

P28=-104.7240;41.3650

P29=-105.0940;41.5440

P30=-105.1560;41.5860

P31=-105.4530;41.7930

P32=-105.6740;42.0200

P33=-105.7930;42.1710

P34=-105.9810;42.4650

P35=-106.1030;42.7590

P36=-106.1660;42.9170

P37=-106.2690;43.3770

P38=-106.2960;43.8440

P39=-106.2690;44.2500

P40=-106.2660;44.3170

P41=-106.1810;44.7980

P42=-106.1660;44.8450

P43=-106.0410;45.2860

P44=-105.8400;45.7820

P45=-105.5530;46.2880

P46=-105.4320;46.4570

P47=-105.1730;46.8030

P48=-104.8430;47.1530

P49=-104.6450;47.3300

P50=-104.2870;47.6170

P51=-103.8430;47.8750

P52=-103.7580;47.9260

P53=-103.2400;48.1530

P54=-102.7440;48.2810
P55=-102.2640;48.3380
P56=-101.8000;48.3310
P57=-101.3550;48.2590
P58=-100.9350;48.1070
P59=-100.7250;47.9840
[C14]
gain=-20.00
n_point=66
P1=-100.5590;48.4380
P2=-100.2330;48.2640
P3=-99.9350;48.0460
P4=-99.6780;47.7800
P5=-99.4610;47.4820
P6=-99.3030;47.1480
P7=-99.2100;46.7910
P8=-99.1840;46.4220
P9=-99.1620;46.0530
P10=-99.2040;45.6860
P11=-99.2800;45.3250
P12=-99.3840;44.9710
P13=-99.5090;44.6230
P14=-99.6540;44.2830
P15=-99.8200;43.9520
P16=-100.0050;43.6330
P17=-100.2010;43.3200
P18=-100.4060;43.0120
P19=-100.6320;42.7200
P20=-100.8740;42.4410
P21=-101.1270;42.1720
P22=-101.4010;41.9250
P23=-101.6930;41.6970
P24=-101.9990;41.4920
P25=-102.3230;41.3130
P26=-102.6600;41.1610
P27=-103.0080;41.0380
P28=-103.3690;40.9600
P29=-103.7370;40.9210
P30=-104.1060;40.9220
P31=-104.4740;40.9620
P32=-104.8310;41.0550
P33=-105.1730;41.1950
P34=-105.4980;41.3700
P35=-105.7860;41.6010
P36=-106.0320;41.8770
P37=-106.2390;42.1820
P38=-106.4020;42.5130
P39=-106.5090;42.8670
P40=-106.5840;43.2290
P41=-106.6200;43.5960
P42=-106.6190;43.9650
P43=-106.5870;44.3330
P44=-106.5290;44.6980
P45=-106.4490;45.0590
P46=-106.3450;45.4130
P47=-106.2190;45.7610

P48=-106.0660;46.0970
P49=-105.8910;46.4220
P50=-105.7040;46.7410
P51=-105.4820;47.0360
P52=-105.2430;47.3180
P53=-104.9810;47.5780
P54=-104.7140;47.8340
P55=-104.4180;48.0550
P56=-104.1130;48.2620
P57=-103.7760;48.4170
P58=-103.4380;48.5660
P59=-103.0860;48.6780
P60=-102.7230;48.7460
P61=-102.3550;48.7800
P62=-101.9860;48.7820
P63=-101.6170;48.7530
P64=-101.2540;48.6840
P65=-100.9000;48.5800
P66=-100.5590;48.4380