

[FormatInfo]
format_ver=1
[GeoMain]
ntc_id=1
adm=USA
sat_name=VIASAT-1
long_nom=-115.10
n_diag=1
[COHeader]
beam_id=BNL
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=23
P1=-112.3820;39.3120
P2=-112.3490;39.2640
P3=-112.2160;38.8930
P4=-112.1740;38.4770
P5=-112.2270;38.0640
P6=-112.3720;37.6540
P7=-112.4200;37.5700
P8=-112.7100;37.2470
P9=-112.8020;37.1700
P10=-113.1710;37.0700
P11=-113.5350;37.1890
P12=-113.5930;37.2430
P13=-113.8830;37.6480
P14=-113.8930;37.6760
P15=-113.9810;38.0570
P16=-113.9800;38.4690
P17=-113.8860;38.8860
P18=-113.8710;38.9210
P19=-113.6310;39.3070
P20=-113.4810;39.4700
P21=-113.0950;39.6580
P22=-112.7150;39.6090
P23=-112.3820;39.3120
[C2]
gain=-4.00
n_point=33
P1=-112.5840;40.1640
P2=-112.3160;40.0110
P3=-112.0920;39.7390
P4=-111.9590;39.4900
P5=-111.8940;39.3160
P6=-111.8120;38.8960
P7=-111.8010;38.4800
P8=-111.8510;38.0670
P9=-111.9620;37.6570

P10=-112.0570;37.4340
P11=-112.1540;37.2500
P12=-112.4470;36.8550
P13=-112.4590;36.8460
P14=-112.8210;36.6010
P15=-113.1860;36.5220
P16=-113.5480;36.6000
P17=-113.8870;36.8400
P18=-113.9070;36.8580
P19=-114.1590;37.2420
P20=-114.2640;37.5050
P21=-114.3090;37.6470
P22=-114.3720;38.0560
P23=-114.3670;38.4690
P24=-114.2940;38.8850
P25=-114.2460;39.0280
P26=-114.1380;39.3050
P27=-113.8770;39.7300
P28=-113.8550;39.7570
P29=-113.4650;40.0900
P30=-113.2820;40.1600
P31=-113.0760;40.2340
P32=-112.6920;40.2160
P33=-112.5840;40.1640

[C3]

gain=-6.00

n_point=41

P1=-112.4670;40.5970
P2=-112.2930;40.5260
P3=-111.9230;40.1890
P4=-111.9080;40.1680
P5=-111.6850;39.7420
P6=-111.5840;39.3890
P7=-111.5670;39.3180
P8=-111.5170;38.8990
P9=-111.5210;38.4820
P10=-111.5720;38.0690
P11=-111.6710;37.6590
P12=-111.6780;37.6400
P13=-111.8200;37.2520
P14=-112.0360;36.8480
P15=-112.0860;36.7750
P16=-112.3860;36.4470
P17=-112.4660;36.3760
P18=-112.8340;36.1750
P19=-113.1970;36.1110
P20=-113.5570;36.1690
P21=-113.9150;36.3620
P22=-114.0010;36.4410
P23=-114.2720;36.7530
P24=-114.3280;36.8390
P25=-114.5130;37.2410
P26=-114.6190;37.6470
P27=-114.6310;37.7440
P28=-114.6670;38.0560
P29=-114.6600;38.4680

P30=-114.6250;38.6990
P31=-114.5980;38.8850
P32=-114.4790;39.3050
P33=-114.2820;39.7290
P34=-114.2360;39.8040
P35=-113.9640;40.1580
P36=-113.8450;40.2810
P37=-113.4530;40.5500
P38=-113.3230;40.5920
P39=-113.0620;40.6760
P40=-112.6740;40.6720
P41=-112.4670;40.5970

[C4]

gain=-10.00

n_point=66

P1=-111.7770;40.9430
P2=-111.6100;40.7680
P3=-111.4570;40.5800
P4=-111.3480;40.3630
P5=-111.2480;40.1420
P6=-111.1800;39.9090
P7=-111.1240;39.6740
P8=-111.0910;39.4330
P9=-111.0710;39.1920
P10=-111.0660;38.9490
P11=-111.0730;38.7070
P12=-111.0910;38.4650
P13=-111.1200;38.2240
P14=-111.1590;37.9850
P15=-111.2080;37.7480
P16=-111.2690;37.5130
P17=-111.3380;37.2810
P18=-111.4190;37.0520
P19=-111.5120;36.8280
P20=-111.6230;36.6130
P21=-111.7450;36.4030
P22=-111.8990;36.2150
P23=-112.0540;36.0290
P24=-112.2420;35.8770
P25=-112.4390;35.7350
P26=-112.6570;35.6280
P27=-112.8860;35.5520
P28=-113.1260;35.5130
P29=-113.3680;35.5160
P30=-113.6050;35.5670
P31=-113.8350;35.6450
P32=-114.0440;35.7670
P33=-114.2410;35.9090
P34=-114.4160;36.0760
P35=-114.5690;36.2640
P36=-114.7100;36.4610
P37=-114.8200;36.6770
P38=-114.9190;36.8980
P39=-114.9920;37.1300
P40=-115.0540;37.3640
P41=-115.1010;37.6020

P42=-115.1290;37.8430
P43=-115.1430;38.0850
P44=-115.1410;38.3270
P45=-115.1250;38.5690
P46=-115.0940;38.8100
P47=-115.0470;39.0470
P48=-114.9910;39.2840
P49=-114.9210;39.5160
P50=-114.8380;39.7440
P51=-114.7350;39.9630
P52=-114.6220;40.1770
P53=-114.4790;40.3740
P54=-114.3360;40.5700
P55=-114.1700;40.7450
P56=-113.9820;40.8990
P57=-113.7890;41.0450
P58=-113.5770;41.1650
P59=-113.3550;41.2610
P60=-113.1210;41.3240
P61=-112.8800;41.3540
P62=-112.6380;41.3470
P63=-112.4000;41.3020
P64=-112.1730;41.2170
P65=-111.9620;41.0970
P66=-111.7770;40.9430

[C5]

gain=-8.00

n_point=66

P1=-112.5370;41.0070
P2=-112.3290;40.9440
P3=-112.1380;40.8400
P4=-111.9620;40.7130
P5=-111.8050;40.5650
P6=-111.6850;40.3810
P7=-111.5660;40.2010
P8=-111.4750;40.0030
P9=-111.4050;39.7970
P10=-111.3510;39.5870
P11=-111.3150;39.3720
P12=-111.2930;39.1560
P13=-111.2830;38.9390
P14=-111.2850;38.7220
P15=-111.2970;38.5050
P16=-111.3180;38.2880
P17=-111.3480;38.0730
P18=-111.3880;37.8590
P19=-111.4380;37.6480
P20=-111.4980;37.4390
P21=-111.5700;37.2340
P22=-111.6550;37.0340
P23=-111.7470;36.8370
P24=-111.8660;36.6540
P25=-111.9840;36.4730
P26=-112.1220;36.3040
P27=-112.2870;36.1620
P28=-112.4540;36.0240

P29=-112.6460;35.9220
P30=-112.8480;35.8420
P31=-113.0610;35.7980
P32=-113.2780;35.7900
P33=-113.4930;35.8190
P34=-113.7000;35.8850
P35=-113.8970;35.9780
P36=-114.0710;36.1070
P37=-114.2340;36.2510
P38=-114.3790;36.4120
P39=-114.4970;36.5950
P40=-114.6080;36.7820
P41=-114.6940;36.9810
P42=-114.7720;37.1840
P43=-114.8280;37.3940
P44=-114.8710;37.6070
P45=-114.8990;37.8220
P46=-114.9130;38.0390
P47=-114.9160;38.2560
P48=-114.9060;38.4740
P49=-114.8850;38.6900
P50=-114.8510;38.9050
P51=-114.8040;39.1170
P52=-114.7440;39.3260
P53=-114.6680;39.5290
P54=-114.5850;39.7300
P55=-114.4790;39.9200
P56=-114.3690;40.1080
P57=-114.2450;40.2860
P58=-114.0950;40.4440
P59=-113.9430;40.5980
P60=-113.7710;40.7320
P61=-113.5830;40.8410
P62=-113.3890;40.9400
P63=-113.1800;40.9980
P64=-112.9670;41.0380
P65=-112.7500;41.0410
P66=-112.5370;41.0070

[C6]

gain=-15.00

n_point=65

P1=-112.2600;41.9170
P2=-111.9790;41.8200
P3=-111.7200;41.6740
P4=-111.4850;41.4910
P5=-111.2920;41.2640
P6=-111.1040;41.0350
P7=-110.9520;40.7780
P8=-110.8280;40.5080
P9=-110.7370;40.2240
P10=-110.6720;39.9340
P11=-110.6280;39.6400
P12=-110.6130;39.3430
P13=-110.6170;39.0450
P14=-110.6350;38.7480
P15=-110.6640;38.4520

P16=-110.7040;38.1570
P17=-110.7540;37.8630
P18=-110.8160;37.5720
P19=-110.8910;37.2840
P20=-110.9800;37.0000
P21=-111.0800;36.7200
P22=-111.2000;36.4470
P23=-111.3500;36.1900
P24=-111.5230;35.9490
P25=-111.7100;35.7170
P26=-111.9290;35.5170
P27=-112.1590;35.3280
P28=-112.4150;35.1740
P29=-112.6860;35.0530
P30=-112.9740;34.9810
P31=-113.2710;34.9600
P32=-113.5670;34.9920
P33=-113.8520;35.0760
P34=-114.1170;35.2110
P35=-114.3630;35.3780
P36=-114.5920;35.5680
P37=-114.7930;35.7870
P38=-114.9820;36.0170
P39=-115.1460;36.2660
P40=-115.2880;36.5260
P41=-115.4020;36.8010
P42=-115.4980;37.0830
P43=-115.5690;37.3720
P44=-115.6130;37.6670
P45=-115.6350;37.9630
P46=-115.6390;38.2610
P47=-115.6260;38.5580
P48=-115.5980;38.8540
P49=-115.5500;39.1480
P50=-115.4780;39.4370
P51=-115.3850;39.7200
P52=-115.2860;40.0010
P53=-115.1610;40.2710
P54=-115.0080;40.5250
P55=-114.8290;40.7640
P56=-114.6450;40.9970
P57=-114.4260;41.1980
P58=-114.2090;41.4020
P59=-113.9640;41.5710
P60=-113.7050;41.7180
P61=-113.4300;41.8310
P62=-113.1450;41.9170
P63=-112.8520;41.9670
P64=-112.5540;41.9640
P65=-112.2600;41.9170
[C7]
gain=-20.00
n_point=65
P1=-111.7070;42.3190
P2=-111.4230;42.1300
P3=-111.1910;41.8790

P4=-110.9800;41.6100
P5=-110.8020;41.3190
P6=-110.6370;41.0200
P7=-110.5010;40.7070
P8=-110.3970;40.3810
P9=-110.3160;40.0500
P10=-110.2640;39.7120
P11=-110.2450;39.3710
P12=-110.2530;39.0300
P13=-110.2800;38.6890
P14=-110.3210;38.3500
P15=-110.3750;38.0130
P16=-110.4400;37.6770
P17=-110.5210;37.3460
P18=-110.6180;37.0180
P19=-110.7240;36.6930
P20=-110.8610;36.3800
P21=-111.0300;36.0830
P22=-111.2240;35.8020
P23=-111.4330;35.5330
P24=-111.6690;35.2860
P25=-111.9220;35.0560
P26=-112.1960;34.8520
P27=-112.4740;34.6530
P28=-112.7900;34.5280
P29=-113.1230;34.4510
P30=-113.4610;34.4700
P31=-113.7920;34.5540
P32=-114.0960;34.7070
P33=-114.3690;34.9120
P34=-114.6380;35.1220
P35=-114.8800;35.3630
P36=-115.1140;35.6120
P37=-115.3230;35.8820
P38=-115.5220;36.1600
P39=-115.6900;36.4570
P40=-115.8500;36.7590
P41=-115.9730;37.0780
P42=-116.0540;37.4090
P43=-116.0990;37.7480
P44=-116.1290;38.0880
P45=-116.1300;38.4300
P46=-116.1100;38.7710
P47=-116.0770;39.1110
P48=-116.0170;39.4470
P49=-115.9190;39.7740
P50=-115.7750;40.0840
P51=-115.6280;40.3920
P52=-115.4440;40.6790
P53=-115.2360;40.9500
P54=-115.0020;41.1990
P55=-114.7570;41.4370
P56=-114.4920;41.6520
P57=-114.2160;41.8540
P58=-113.9350;42.0480
P59=-113.6400;42.2190

P60=-113.3240;42.3480
P61=-113.0070;42.4780
P62=-112.6770;42.5620
P63=-112.3360;42.5720
P64=-112.0100;42.4770
P65=-111.7070;42.3190

[C8]

gain=-2.00

n_point=21

P1=-102.0960;45.4000
P2=-101.9730;44.9180
P3=-102.0310;44.4360
P4=-102.2740;43.9540
P5=-102.6130;43.5950
P6=-102.8280;43.4680
P7=-103.0880;43.3590
P8=-103.5080;43.3520
P9=-103.7090;43.4420
P10=-103.8840;43.5540
P11=-104.1160;43.8980
P12=-104.1770;44.1590
P13=-104.2030;44.3690
P14=-104.1100;44.8510
P15=-103.9700;45.1170
P16=-103.8150;45.3450
P17=-103.4060;45.6840
P18=-102.9280;45.8440
P19=-102.5060;45.7720
P20=-102.1430;45.4770
P21=-102.0960;45.4000

[C9]

gain=-4.00

n_point=31

P1=-102.6510;46.3730
P2=-102.3600;46.3290
P3=-101.9740;46.1100
P4=-101.7920;45.9030
P5=-101.6520;45.6640
P6=-101.5630;45.4180
P7=-101.5160;44.9330
P8=-101.5910;44.4510
P9=-101.7840;43.9700
P10=-102.1170;43.4910
P11=-102.2480;43.3590
P12=-102.7400;43.0080
P13=-102.7510;43.0020
P14=-103.1990;42.8640
P15=-103.6120;42.8700
P16=-103.9020;42.9740
P17=-103.9970;43.0130
P18=-104.3480;43.3310
P19=-104.4110;43.4230
P20=-104.6020;43.8850
P21=-104.6220;44.0510
P22=-104.6490;44.3570
P23=-104.5750;44.8380

P24=-104.3770;45.3290
P25=-104.3460;45.3780
P26=-103.9920;45.8320
P27=-103.7630;46.0340
P28=-103.2550;46.3070
P29=-102.9650;46.3630
P30=-102.7890;46.3930
P31=-102.6510;46.3730

[C10]

gain=-8.00

n_point=41

P1=-101.6980;46.9120
P2=-101.3760;46.6450
P3=-101.2150;46.4230
P4=-101.0700;46.1520
P5=-100.9830;45.9320
P6=-100.8930;45.4420
P7=-100.8950;45.2220
P8=-100.8940;44.9560
P9=-100.9770;44.4720
P10=-101.1420;43.9920
P11=-101.3300;43.6380
P12=-101.3960;43.5150
P13=-101.7560;43.0400
P14=-101.9540;42.8430
P15=-102.3180;42.5640
P16=-102.4580;42.4710
P17=-102.9170;42.2710
P18=-103.3450;42.1900
P19=-103.7510;42.2060
P20=-104.1380;42.3170
P21=-104.4430;42.5030
P22=-104.5040;42.5410
P23=-104.8470;42.8970
P24=-104.8830;42.9480
P25=-105.1180;43.4040
P26=-105.1470;43.5050
P27=-105.2460;43.8690
P28=-105.2770;44.3410
P29=-105.2250;44.8210
P30=-105.0910;45.3100
P31=-104.8560;45.8080
P32=-104.6160;46.1480
P33=-104.4790;46.3170
P34=-104.0490;46.7070
P35=-103.8360;46.8410
P36=-103.5290;47.0110
P37=-103.0400;47.1650
P38=-102.5780;47.2010
P39=-102.1430;47.1320
P40=-101.7410;46.9470
P41=-101.6980;46.9120

[C11]

gain=-10.00

n_point=47

P1=-101.9800;47.4160

P2=-101.6440;47.2850
P3=-101.2720;46.9980
P4=-101.2140;46.9300
P5=-100.9460;46.5710
P6=-100.8750;46.4360
P7=-100.7070;45.9420
P8=-100.6990;45.8920
P9=-100.6330;45.4520
P10=-100.6510;44.9650
P11=-100.7410;44.4810
P12=-100.8970;44.0010
P13=-101.1250;43.5240
P14=-101.4510;43.0500
P15=-101.4960;42.9980
P16=-101.9070;42.5770
P17=-102.0460;42.4610
P18=-102.5290;42.1630
P19=-102.6970;42.1000
P20=-102.9780;41.9920
P21=-103.4010;41.9220
P22=-103.8040;41.9450
P23=-104.1760;42.0570
P24=-104.1880;42.0610
P25=-104.5600;42.2490
P26=-104.8340;42.4920
P27=-104.9090;42.5670
P28=-105.1770;42.9410
P29=-105.2310;43.0490
P30=-105.3860;43.3980
P31=-105.4880;43.8620
P32=-105.4900;43.9070
P33=-105.5290;44.3340
P34=-105.4890;44.8150
P35=-105.3710;45.3030
P36=-105.1620;45.8000
P37=-105.1080;45.8920
P38=-104.8500;46.3060
P39=-104.4950;46.7050
P40=-104.3610;46.8260
P41=-103.9500;47.1320
P42=-103.4570;47.3660
P43=-103.4390;47.3740
P44=-102.9520;47.5050
P45=-102.4890;47.5280
P46=-102.0540;47.4490
P47=-101.9800;47.4160
[C12]
gain=-15.00
n_point=55
P1=-101.4340;47.9570
P2=-101.0510;47.7330
P3=-100.7880;47.4600
P4=-100.7030;47.3690
P5=-100.4460;46.9590
P6=-100.4020;46.8660
P7=-100.2450;46.4600

P8=-100.1820;46.1210
P9=-100.1490;45.9640
P10=-100.1160;45.4720
P11=-100.1580;44.9830
P12=-100.2550;44.4990
P13=-100.4000;44.0190
P14=-100.5980;43.5430
P15=-100.8640;43.0700
P16=-101.1580;42.6810
P17=-101.2220;42.5990
P18=-101.6920;42.1310
P19=-101.7170;42.1100
P20=-102.2110;41.7610
P21=-102.4280;41.6600
P22=-102.6680;41.5450
P23=-103.1010;41.4200
P24=-103.5140;41.3770
P25=-103.9130;41.4030
P26=-104.2960;41.5070
P27=-104.4840;41.6020
P28=-104.6670;41.6800
P29=-105.0250;41.9330
P30=-105.1260;42.0330
P31=-105.3670;42.2910
P32=-105.5020;42.4760
P33=-105.6860;42.8050
P34=-105.7510;42.9270
P35=-105.9180;43.3850
P36=-105.9600;43.6120
P37=-106.0160;43.8500
P38=-106.0560;44.3220
P39=-106.0270;44.8020
P40=-105.9370;45.2890
P41=-105.7770;45.7840
P42=-105.5300;46.2890
P43=-105.4370;46.4320
P44=-105.1880;46.8030
P45=-104.8340;47.1920
P46=-104.6860;47.3290
P47=-104.2810;47.6460
P48=-103.8630;47.8740
P49=-103.7570;47.9310
P50=-103.2500;48.1180
P51=-102.7640;48.2060
P52=-102.2990;48.2120
P53=-101.8570;48.1360
P54=-101.4440;47.9640
P55=-101.4340;47.9570
[C13]
gain=-6.00
n_point=66
P1=-101.5830;46.3130
P2=-101.4640;46.1570
P3=-101.3680;45.9870
P4=-101.2920;45.8060
P5=-101.2360;45.6190

P6=-101.1930;45.4280
P7=-101.1820;45.2320
P8=-101.1790;45.0370
P9=-101.1920;44.8420
P10=-101.2230;44.6480
P11=-101.2660;44.4570
P12=-101.3230;44.2700
P13=-101.3930;44.0870
P14=-101.4760;43.9100
P15=-101.5710;43.7380
P16=-101.6730;43.5710
P17=-101.7850;43.4110
P18=-101.9170;43.2660
P19=-102.0530;43.1250
P20=-102.1950;42.9910
P21=-102.3500;42.8710
P22=-102.5180;42.7690
P23=-102.6910;42.6800
P24=-102.8710;42.6030
P25=-103.0600;42.5430
P26=-103.2510;42.5160
P27=-103.4470;42.5030
P28=-103.6440;42.5070
P29=-103.8330;42.5540
P30=-104.0190;42.6200
P31=-104.1910;42.7110
P32=-104.3520;42.8230
P33=-104.5000;42.9500
P34=-104.6140;43.1100
P35=-104.7250;43.2710
P36=-104.8190;43.4410
P37=-104.8760;43.6300
P38=-104.9320;43.8170
P39=-104.9630;44.0100
P40=-104.9770;44.2060
P41=-104.9760;44.4010
P42=-104.9570;44.5960
P43=-104.9310;44.7910
P44=-104.8790;44.9790
P45=-104.8200;45.1660
P46=-104.7450;45.3460
P47=-104.6560;45.5210
P48=-104.5570;45.6900
P49=-104.4470;45.8520
P50=-104.3240;46.0040
P51=-104.1910;46.1480
P52=-104.0490;46.2820
P53=-103.8930;46.4000
P54=-103.7310;46.5110
P55=-103.5590;46.6050
P56=-103.3780;46.6800
P57=-103.1940;46.7440
P58=-103.0030;46.7890
P59=-102.8080;46.8100
P60=-102.6120;46.8080
P61=-102.4170;46.7860

P62=-102.2260;46.7420
P63=-102.0440;46.6700
P64=-101.8730;46.5740
P65=-101.7180;46.4550
P66=-101.5830;46.3130
[C14]
gain=-20.00
n_point=66
P1=-101.1740;48.4430
P2=-100.8670;48.2740
P3=-100.6020;48.0470
P4=-100.3730;47.7820
P5=-100.1640;47.5020
P6=-100.0220;47.1820
P7=-99.8910;46.8580
P8=-99.7940;46.5210
P9=-99.7560;46.1730
P10=-99.7270;45.8250
P11=-99.7220;45.4750
P12=-99.7530;45.1260
P13=-99.8110;44.7810
P14=-99.8920;44.4400
P15=-99.9920;44.1050
P16=-100.1130;43.7770
P17=-100.2540;43.4570
P18=-100.4160;43.1460
P19=-100.6030;42.8510
P20=-100.8050;42.5640
P21=-101.0270;42.2940
P22=-101.2580;42.0310
P23=-101.5180;41.7970
P24=-101.7920;41.5780
P25=-102.0890;41.3950
P26=-102.4000;41.2340
P27=-102.7260;41.1060
P28=-103.0640;41.0150
P29=-103.4110;40.9710
P30=-103.7610;40.9700
P31=-104.1080;41.0180
P32=-104.4440;41.1180
P33=-104.7660;41.2550
P34=-105.0650;41.4360
P35=-105.3360;41.6570
P36=-105.5800;41.9080
P37=-105.7930;42.1860
P38=-105.9770;42.4830
P39=-106.1320;42.7980
P40=-106.2570;43.1240
P41=-106.3480;43.4620
P42=-106.4120;43.8060
P43=-106.4510;44.1540
P44=-106.4560;44.5040
P45=-106.4280;44.8530
P46=-106.3720;45.1980
P47=-106.2890;45.5380
P48=-106.1780;45.8700

P49=-106.0420;46.1930
P50=-105.8820;46.5040
P51=-105.7030;46.8050
P52=-105.5020;47.0910
P53=-105.2860;47.3670
P54=-105.0340;47.6100
P55=-104.7790;47.8490
P56=-104.4950;48.0530
P57=-104.1970;48.2380
P58=-103.8820;48.3910
P59=-103.5600;48.5250
P60=-103.2240;48.6250
P61=-102.8810;48.6930
P62=-102.5320;48.7220
P63=-102.1820;48.7150
P64=-101.8340;48.6690
P65=-101.4970;48.5770
P66=-101.1740;48.4430