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[GeoMain]
adm=USA
sat_name=SkyTerra-1
long_nom=-95.000
n_diag=1

[COHeader]
beam_id=RD6
emi_rcp=E
polar_disc=C
reason=C
n_bore=1
n_cont=12

[B1]
gain=0.00
p=-66.773;45.961

[C1]
gain=-2
n_point=39
p1=-61.183;51.449
p2=-60.453;51.210
p3=-59.811;50.628
p4=-59.755;50.500
p5=-59.652;49.553
p6=-59.662;49.464
p7=-60.029;48.420
p8=-60.608;47.386
p9=-61.366;46.366
p10=-62.284;45.361
p11=-63.350;44.370
p12=-64.385;43.538
p13=-64.584;43.392
p14=-65.982;42.509
p15=-66.161;42.415
p16=-67.246;41.919
p17=-68.342;41.565
p18=-69.312;41.413
p19=-70.174;41.456
p20=-70.938;41.699
p21=-71.513;42.091
p22=-71.598;42.173
p23=-72.031;42.925
p24=-72.071;43.074
p25=-72.150;43.798
p26=-72.030;44.705
p27=-71.686;45.646
p28=-71.106;46.625
p29=-70.260;47.648
p30=-69.103;48.724
p31=-69.007;48.799
p32=-67.394;49.876
p33=-67.139;50.020

p34=-65.470;50.788
p35=-64.251;51.187
p36=-63.932;51.281
p37=-62.569;51.505
p38=-61.384;51.498
p39=-61.183;51.449

[C2]

gain=-4
n_point=55
p1=-58.470;53.972
p2=-57.624;53.847
p3=-56.729;53.463
p4=-56.283;53.027
p5=-56.143;52.825
p6=-55.962;51.937
p7=-55.967;51.849
p8=-56.214;50.829
p9=-56.454;50.282
p10=-56.726;49.731
p11=-57.413;48.651
p12=-58.208;47.592
p13=-59.094;46.554
p14=-60.059;45.537
p15=-61.100;44.541
p16=-62.221;43.563
p17=-62.572;43.285
p18=-63.471;42.599
p19=-64.429;41.939
p20=-64.891;41.648
p21=-65.868;41.089
p22=-66.666;40.697
p23=-67.097;40.502
p24=-68.186;40.109
p25=-69.179;39.861
p26=-70.091;39.748
p27=-70.936;39.764
p28=-71.718;39.913
p29=-72.440;40.203
p30=-72.675;40.356
p31=-73.088;40.682
p32=-73.478;41.144
p33=-73.642;41.412
p34=-73.876;41.967
p35=-74.016;42.610
p36=-74.044;42.819
p37=-74.019;43.698
p38=-73.839;44.605
p39=-73.501;45.543
p40=-72.996;46.513
p41=-72.302;47.522
p42=-71.390;48.574
p43=-70.872;49.074
p44=-70.190;49.679
p45=-68.793;50.727
p46=-68.605;50.852
p47=-66.881;51.858

p48=-66.339;52.125
p49=-65.055;52.698
p50=-63.306;53.319
p51=-62.097;53.632
p52=-61.655;53.742
p53=-60.136;53.969
p54=-58.774;54.011
p55=-58.470;53.972

[C3]

gain=-6
n_point=69
p1=-53.971;55.647
p2=-53.880;55.620
p3=-53.113;55.106
p4=-52.785;54.557
p5=-52.711;54.345
p6=-52.731;53.392
p7=-52.760;53.267
p8=-53.156;52.220
p9=-53.439;51.698
p10=-53.807;51.066
p11=-54.597;49.935
p12=-55.357;48.975
p13=-55.468;48.830
p14=-56.403;47.753
p15=-57.383;46.701
p16=-58.403;45.674
p17=-59.367;44.766
p18=-59.466;44.670
p19=-60.582;43.687
p20=-61.759;42.724
p21=-62.181;42.403
p22=-63.033;41.776
p23=-63.966;41.145
p24=-64.450;40.841
p25=-65.400;40.287
p26=-66.130;39.911
p27=-66.641;39.663
p28=-67.751;39.211
p29=-68.534;38.962
p30=-68.768;38.890
p31=-69.711;38.688
p32=-70.593;38.591
p33=-71.422;38.596
p34=-72.203;38.708
p35=-72.376;38.758
p36=-72.937;38.934
p37=-73.623;39.289
p38=-73.884;39.484
p39=-74.251;39.807
p40=-74.626;40.261
p41=-74.806;40.545
p42=-75.057;41.068
p43=-75.234;41.653
p44=-75.290;41.899
p45=-75.362;42.754

p46=-75.301;43.634
p47=-75.262;43.830
p48=-75.109;44.540
p49=-74.786;45.475
p50=-74.323;46.440
p51=-73.705;47.441
p52=-73.668;47.491
p53=-72.905;48.482
p54=-71.889;49.569
p55=-71.263;50.141
p56=-70.590;50.714
p57=-69.169;51.760
p58=-68.912;51.930
p59=-67.157;52.971
p60=-66.618;53.248
p61=-65.182;53.928
p62=-63.240;54.689
p63=-63.071;54.744
p64=-61.354;55.269
p65=-59.546;55.683
p66=-57.850;55.931
p67=-56.308;56.010
p68=-54.967;55.912
p69=-53.971;55.647

[C4]

gain=-8
n_point=77
p1=-50.606;57.299
p2=-50.044;57.028
p3=-49.504;56.367
p4=-49.457;56.152
p5=-49.430;55.437
p6=-49.567;54.913
p7=-49.877;54.181
p8=-50.151;53.672
p9=-50.948;52.467
p10=-50.959;52.451
p11=-51.885;51.262
p12=-52.871;50.105
p13=-53.340;49.599
p14=-53.889;48.981
p15=-54.929;47.888
p16=-55.988;46.825
p17=-57.065;45.789
p18=-58.163;44.777
p19=-58.542;44.449
p20=-59.287;43.789
p21=-60.450;42.822
p22=-61.413;42.073
p23=-61.671;41.874
p24=-62.978;40.941
p25=-63.257;40.755
p26=-64.424;40.020
p27=-64.738;39.835
p28=-66.017;39.151
p29=-66.113;39.106

p30=-67.162;38.634
p31=-68.209;38.248
p32=-68.458;38.176
p33=-69.184;37.969
p34=-70.096;37.789
p35=-70.958;37.702
p36=-71.775;37.703
p37=-72.550;37.796
p38=-73.098;37.937
p39=-73.287;37.987
p40=-73.986;38.281
p41=-74.575;38.654
p42=-74.642;38.701
p43=-75.250;39.277
p44=-75.363;39.416
p45=-75.790;40.071
p46=-75.861;40.205
p47=-76.167;41.017
p48=-76.215;41.230
p49=-76.328;41.851
p50=-76.362;42.708
p51=-76.304;43.356
p52=-76.281;43.587
p53=-76.090;44.492
p54=-75.781;45.424
p55=-75.349;46.386
p56=-74.778;47.382
p57=-74.434;47.877
p58=-74.050;48.415
p59=-73.137;49.493
p60=-72.033;50.585
p61=-71.994;50.622
p62=-70.552;51.814
p63=-69.903;52.286
p64=-68.694;53.088
p65=-67.805;53.620
p66=-66.188;54.475
p67=-65.707;54.711
p68=-63.610;55.608
p69=-62.332;56.063
p70=-61.518;56.343
p71=-59.455;56.924
p72=-57.453;57.353
p73=-55.552;57.630
p74=-53.798;57.749
p75=-52.252;57.699
p76=-50.979;57.465
p77=-50.606;57.299

[C5]

gain=-10
n_point=85
p1=-47.509;59.018
p2=-46.735;58.757
p3=-46.078;58.155
p4=-46.002;57.850
p5=-45.950;57.303

p6=-46.204;56.536
p7=-46.382;56.164
p8=-46.995;55.209
p9=-47.404;54.673
p10=-48.014;53.910
p11=-49.103;52.680
p12=-49.130;52.650
p13=-50.265;51.431
p14=-51.413;50.253
p15=-52.418;49.258
p16=-52.559;49.111
p17=-53.689;48.005
p18=-54.817;46.931
p19=-55.946;45.886
p20=-56.970;44.972
p21=-57.082;44.868
p22=-58.220;43.876
p23=-59.384;42.905
p24=-60.355;42.139
p25=-60.589;41.954
p26=-61.848;41.020
p27=-62.353;40.670
p28=-63.200;40.102
p29=-63.925;39.647
p30=-64.698;39.194
p31=-65.266;38.879
p32=-66.455;38.292
p33=-66.459;38.291
p34=-67.548;37.832
p35=-68.555;37.488
p36=-69.008;37.368
p37=-69.499;37.237
p38=-70.392;37.071
p39=-71.238;36.989
p40=-72.045;36.988
p41=-72.815;37.071
p42=-73.199;37.158
p43=-73.552;37.238
p44=-74.256;37.495
p45=-74.910;37.854
p46=-74.924;37.863
p47=-75.556;38.352
p48=-75.800;38.600
p49=-76.140;39.005
p50=-76.387;39.372
p51=-76.658;39.889
p52=-76.779;40.166
p53=-77.022;40.980
p54=-77.055;41.176
p55=-77.146;41.815
p56=-77.159;42.672
p57=-77.067;43.552
p58=-77.036;43.702
p59=-76.878;44.455
p60=-76.583;45.385
p61=-76.173;46.345
p62=-75.635;47.337

p63=-75.578;47.426
p64=-74.961;48.365
p65=-74.119;49.435
p66=-73.083;50.542
p67=-73.070;50.555
p68=-71.776;51.732
p69=-70.908;52.419
p70=-70.142;52.982
p71=-68.749;53.900
p72=-68.031;54.327
p73=-66.567;55.128
p74=-65.140;55.810
p75=-64.349;56.167
p76=-62.099;57.046
p77=-60.541;57.553
p78=-59.831;57.779
p79=-57.556;58.381
p80=-55.322;58.840
p81=-53.169;59.155
p82=-51.155;59.320
p83=-49.354;59.320
p84=-47.859;59.135
p85=-47.509;59.018

[C6]

gain=-15
n_point=95
p1=-39.470;63.047
p2=-37.209;63.113
p3=-34.735;62.975
p4=-33.528;62.489
p5=-33.565;62.321
p6=-33.673;61.670
p7=-34.950;60.664
p8=-35.184;60.476
p9=-37.353;59.009
p10=-37.448;58.946
p11=-39.828;57.328
p12=-39.930;57.257
p13=-41.934;55.817
p14=-42.875;55.135
p15=-43.821;54.397
p16=-45.540;53.052
p17=-46.439;52.346
p18=-47.113;51.773
p19=-48.573;50.549
p20=-49.963;49.373
p21=-51.292;48.238
p22=-52.570;47.142
p23=-53.808;46.079
p24=-55.019;45.047
p25=-56.217;44.042
p26=-57.420;43.062
p27=-57.729;42.820
p28=-58.618;42.104
p29=-59.845;41.167
p30=-60.256;40.869

p31=-61.110;40.247
p32=-62.086;39.582
p33=-62.446;39.343
p34=-63.594;38.624
p35=-63.887;38.451
p36=-64.909;37.874
p37=-65.510;37.568
p38=-66.090;37.279
p39=-67.173;36.808
p40=-67.505;36.684
p41=-68.184;36.428
p42=-69.135;36.137
p43=-70.034;35.928
p44=-70.891;35.791
p45=-71.713;35.719
p46=-72.503;35.713
p47=-73.264;35.773
p48=-73.998;35.905
p49=-74.704;36.118
p50=-75.146;36.312
p51=-75.383;36.415
p52=-76.038;36.799
p53=-76.330;37.024
p54=-76.662;37.295
p55=-77.111;37.764
p56=-77.252;37.930
p57=-77.668;38.524
p58=-77.795;38.749
p59=-78.070;39.304
p60=-78.264;39.856
p61=-78.345;40.103
p62=-78.517;40.920
p63=-78.572;41.544
p64=-78.591;41.756
p65=-78.587;42.613
p66=-78.491;43.491
p67=-78.306;44.392
p68=-78.033;45.319
p69=-77.663;46.274
p70=-77.188;47.260
p71=-76.591;48.280
p72=-75.848;49.340
p73=-75.441;49.843
p74=-74.946;50.445
p75=-73.849;51.602
p76=-73.178;52.221
p77=-72.499;52.822
p78=-70.947;54.027
p79=-70.819;54.120
p80=-68.685;55.518
p81=-68.663;55.532
p82=-66.288;56.839
p83=-65.840;57.058
p84=-63.801;57.999
p85=-61.697;58.829
p86=-61.214;59.014
p87=-58.482;59.932

p88=-55.656;60.721
p89=-53.559;61.209
p90=-52.710;61.407
p91=-49.625;62.004
p92=-46.468;62.483
p93=-43.283;62.836
p94=-40.179;63.044
p95=-39.470;63.047

[C7]

gain=-20
n_point=113
p1=-19.869;53.205
p2=-26.549;52.070
p3=-32.644;50.292
p4=-36.328;48.859
p5=-39.142;47.570
p6=-41.473;46.372
p7=-43.491;45.239
p8=-43.809;45.056
p9=-45.438;44.144
p10=-47.171;43.097
p11=-48.703;42.095
p12=-50.086;41.128
p13=-50.178;41.064
p14=-51.548;40.176
p15=-52.830;39.259
p16=-53.499;38.773
p17=-54.114;38.360
p18=-55.363;37.481
p19=-55.869;37.125
p20=-56.637;36.618
p21=-57.767;35.831
p22=-57.856;35.775
p23=-59.158;34.941
p24=-59.355;34.815
p25=-60.497;34.120
p26=-60.758;33.963
p27=-61.884;33.311
p28=-62.032;33.229
p29=-63.198;32.609
p30=-63.384;32.510
p31=-64.277;32.089
p32=-65.014;31.718
p33=-65.317;31.585
p34=-66.292;31.170
p35=-66.806;30.932
p36=-67.236;30.775
p37=-68.131;30.459
p38=-68.945;30.146
p39=-69.012;30.127
p40=-69.838;29.919
p41=-70.644;29.734
p42=-71.432;29.573
p43=-72.201;29.442
p44=-72.952;29.350
p45=-73.683;29.302

p46=-74.397;29.301
p47=-75.096;29.341
p48=-75.782;29.416
p49=-76.460;29.518
p50=-77.130;29.642
p51=-77.794;29.787
p52=-77.880;29.811
p53=-78.433;30.048
p54=-79.073;30.306
p55=-79.389;30.444
p56=-79.698;30.642
p57=-80.320;31.005
p58=-80.469;31.098
p59=-80.927;31.467
p60=-81.331;31.766
p61=-81.533;31.952
p62=-82.110;32.445
p63=-82.137;32.471
p64=-82.731;33.082
p65=-82.778;33.135
p66=-83.319;33.764
p67=-83.375;33.835
p68=-83.901;34.536
p69=-83.908;34.547
p70=-84.317;35.271
p71=-84.460;35.513
p72=-84.672;36.007
p73=-84.995;36.724
p74=-85.005;36.754
p75=-85.196;37.516
p76=-85.405;38.290
p77=-85.459;38.497
p78=-85.535;39.078
p79=-85.619;39.881
p80=-85.700;40.699
p81=-85.761;41.395
p82=-85.761;41.533
p83=-85.724;42.386
p84=-85.651;43.258
p85=-85.538;44.151
p86=-85.382;45.065
p87=-85.182;46.004
p88=-84.937;46.969
p89=-84.644;47.962
p90=-84.300;48.988
p91=-84.120;49.459
p92=-83.846;50.050
p93=-83.288;51.153
p94=-82.664;52.301
p95=-81.957;53.500
p96=-81.946;53.517
p97=-80.972;54.765
p98=-79.929;56.098
p99=-79.788;56.264
p100=-78.540;57.525
p101=-77.394;58.681
p102=-76.957;59.057

p103=-74.978;60.729
p104=-74.586;61.040
p105=-72.392;62.596
p106=-71.205;63.382
p107=-68.925;64.745
p108=-66.849;65.858
p109=-63.655;67.389
p110=-60.634;68.632
p111=-52.342;71.418
p112=-46.644;72.868
p113=-39.100;74.089

[C8]

gain=-20
n_point=0

[C9]

gain=-20
n_point=105
p1=-20.686;55.356
p2=-26.592;54.248
p3=-33.008;52.345
p4=-36.832;50.828
p5=-39.731;49.470
p6=-42.107;48.214
p7=-44.145;47.033
p8=-45.949;45.908
p9=-47.598;44.830
p10=-49.167;43.786
p11=-50.777;42.765
p12=-50.996;42.634
p13=-52.135;41.790
p14=-53.504;40.836
p15=-54.430;40.265
p16=-54.923;39.899
p17=-56.249;38.989
p18=-56.787;38.659
p19=-57.573;38.099
p20=-58.683;37.396
p21=-58.934;37.223
p22=-60.276;36.366
p23=-60.305;36.348
p24=-61.572;35.529
p25=-61.769;35.405
p26=-62.940;34.703
p27=-63.073;34.621
p28=-64.265;33.952
p29=-64.395;33.888
p30=-65.382;33.350
p31=-66.044;33.078
p32=-66.400;32.896
p33=-67.366;32.505
p34=-68.222;32.258
p35=-68.262;32.241
p36=-69.160;31.924
p37=-70.004;31.718
p38=-70.815;31.570

p39=-71.604;31.462
p40=-72.373;31.387
p41=-72.993;31.348
p42=-73.128;31.337
p43=-73.311;31.336
p44=-73.866;31.323
p45=-74.591;31.337
p46=-75.302;31.386
p47=-75.999;31.479
p48=-76.677;31.638
p49=-77.277;31.886
p50=-77.329;31.899
p51=-77.995;32.102
p52=-78.633;32.436
p53=-78.780;32.538
p54=-79.270;32.779
p55=-79.810;33.215
p56=-79.880;33.262
p57=-80.489;33.770
p58=-80.615;33.908
p59=-81.080;34.396
p60=-81.250;34.615
p61=-81.645;35.181
p62=-81.748;35.336
p63=-82.152;36.070
p64=-82.186;36.141
p65=-82.546;36.815
p66=-82.702;37.282
p67=-82.839;37.574
p68=-83.080;38.347
p69=-83.158;38.798
p70=-83.273;39.134
p71=-83.424;39.936
p72=-83.463;40.755
p73=-83.456;41.173
p74=-83.507;41.590
p75=-83.517;42.443
p76=-83.447;43.316
p77=-83.316;44.211
p78=-83.130;45.129
p79=-82.886;46.071
p80=-82.575;47.041
p81=-82.178;48.041
p82=-81.662;49.077
p83=-81.242;49.752
p84=-81.041;50.151
p85=-80.410;51.264
p86=-79.602;52.427
p87=-78.990;53.156
p88=-78.630;53.648
p89=-77.573;54.931
p90=-76.594;55.888
p91=-76.203;56.297
p92=-74.603;57.759
p93=-73.974;58.249
p94=-72.565;59.349
p95=-71.099;60.323

p96=-69.822;61.119
p97=-67.890;62.206
p98=-65.977;63.161
p99=-64.167;64.015
p100=-59.887;65.699
p101=-59.849;65.714
p102=-53.161;68.002
p103=-46.892;69.636
p104=-38.422;71.485
p105=-34.537;71.834

[C10]

gain=-20
n_point=0

[C11]

gain=-20
n_point=93
p1=-23.705;61.363
p2=-27.895;60.241
p3=-32.631;58.772
p4=-34.463;58.025
p5=-38.078;56.300
p6=-38.433;56.114
p7=-40.730;54.770
p8=-42.976;53.350
p9=-43.522;52.994
p10=-44.875;52.023
p11=-46.587;50.764
p12=-48.169;49.559
p13=-49.644;48.403
p14=-51.034;47.290
p15=-52.357;46.214
p16=-53.633;45.171
p17=-54.878;44.157
p18=-56.114;43.169
p19=-56.780;42.655
p20=-57.338;42.206
p21=-58.558;41.264
p22=-59.414;40.638
p23=-59.812;40.341
p24=-61.100;39.436
p25=-61.314;39.292
p26=-62.448;38.546
p27=-62.874;38.279
p28=-63.902;37.667
p29=-64.227;37.481
p30=-65.438;36.843
p31=-65.533;36.798
p32=-66.554;36.312
p33=-67.517;35.927
p34=-67.583;35.900
p35=-68.558;35.552
p36=-69.477;35.292
p37=-70.352;35.105
p38=-71.030;35.004
p39=-71.191;34.978

p40=-72.000;34.908
p41=-72.778;34.904
p42=-72.935;34.916
p43=-73.532;34.957
p44=-74.262;35.071
p45=-74.968;35.256
p46=-75.648;35.528
p47=-75.673;35.541
p48=-76.311;35.858
p49=-76.870;36.243
p50=-76.946;36.297
p51=-77.559;36.833
p52=-77.689;36.971
p53=-78.140;37.507
p54=-78.292;37.719
p55=-78.677;38.368
p56=-78.739;38.484
p57=-79.071;39.267
p58=-79.147;39.519
p59=-79.306;40.067
p60=-79.442;40.885
p61=-79.466;41.250
p62=-79.503;41.721
p63=-79.489;42.577
p64=-79.391;43.455
p65=-79.213;44.355
p66=-78.954;45.280
p67=-78.609;46.232
p68=-78.168;47.215
p69=-77.617;48.230
p70=-76.933;49.284
p71=-76.291;50.128
p72=-76.098;50.381
p73=-75.110;51.528
p74=-74.022;52.602
p75=-73.885;52.734
p76=-72.408;54.010
p77=-71.753;54.514
p78=-70.557;55.377
p79=-69.396;56.134
p80=-68.179;56.862
p81=-66.914;57.561
p82=-64.968;58.517
p83=-64.285;58.835
p84=-61.468;60.001
p85=-60.180;60.463
p86=-58.429;61.075
p87=-55.134;62.066
p88=-51.572;62.962
p89=-50.409;63.213
p90=-47.514;63.841
p91=-42.752;64.710
p92=-36.426;65.691
p93=-27.527;66.348

[C12]
gain=-20

n_point=0