

[FormatInfo]
format_ver=1

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

[COHeader]
beam_id=RU7
emi_rcp=R
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-81.528;45.846

[C1]
gain=-2.00
n_point=39
p1=-79.500;47.791
p2=-79.266;47.500
p3=-79.072;47.000
p4=-79.012;46.500
p5=-79.058;46.000
p6=-79.220;45.500
p7=-79.417;45.000
p8=-79.500;44.867
p9=-79.774;44.500
p10=-80.000;44.244
p11=-80.256;44.000
p12=-80.500;43.806
p13=-81.000;43.510
p14=-81.022;43.500
p15=-81.500;43.352
p16=-82.000;43.309
p17=-82.500;43.363
p18=-82.939;43.500
p19=-83.000;43.529
p20=-83.500;43.938
p21=-83.548;44.000
p22=-83.806;44.500
p23=-83.967;45.000
p24=-83.949;45.500
p25=-83.864;46.000
p26=-83.709;46.500
p27=-83.500;46.895
p28=-83.423;47.000
p29=-83.019;47.500
p30=-83.000;47.517
p31=-82.500;47.902
p32=-82.298;48.000
p33=-82.000;48.140

p34=-81.500;48.328
p35=-81.000;48.378
p36=-80.500;48.329
p37=-80.000;48.165
p38=-79.764;48.000
p39=-79.500;47.791

[C2]

gain=-4.00
n_point=59
p1=-78.000;47.780
p2=-77.909;47.500
p3=-77.856;47.000
p4=-77.883;46.500
p5=-77.944;46.000
p6=-78.000;45.807
p7=-78.099;45.500
p8=-78.301;45.000
p9=-78.500;44.616
p10=-78.563;44.500
p11=-78.920;44.000
p12=-79.000;43.903
p13=-79.362;43.500
p14=-79.500;43.379
p15=-80.000;43.011
p16=-80.019;43.000
p17=-80.500;42.747
p18=-81.000;42.524
p19=-81.092;42.500
p20=-81.500;42.412
p21=-82.000;42.359
p22=-82.500;42.367
p23=-83.000;42.462
p24=-83.101;42.500
p25=-83.500;42.692
p26=-83.935;43.000
p27=-84.000;43.056
p28=-84.388;43.500
p29=-84.500;43.687
p30=-84.652;44.000
p31=-84.802;44.500
p32=-84.902;45.000
p33=-84.903;45.500
p34=-84.847;46.000
p35=-84.736;46.500
p36=-84.526;47.000
p37=-84.500;47.056
p38=-84.269;47.500
p39=-84.000;47.881
p40=-83.893;48.000
p41=-83.500;48.397
p42=-83.388;48.500
p43=-83.000;48.805
p44=-82.663;49.000
p45=-82.500;49.087
p46=-82.000;49.321
p47=-81.500;49.463

p48=-81.304;49.500
p49=-81.000;49.553
p50=-80.500;49.574
p51=-80.000;49.508
p52=-79.965;49.500
p53=-79.500;49.361
p54=-79.000;49.097
p55=-78.877;49.000
p56=-78.500;48.664
p57=-78.353;48.500
p58=-78.089;48.000
p59=-78.000;47.780

[C3]

gain=-6.00
n_point=71
p1=-77.000;47.784
p2=-76.961;47.500
p3=-76.947;47.000
p4=-76.994;46.500
p5=-77.000;46.455
p6=-77.064;46.000
p7=-77.231;45.500
p8=-77.412;45.000
p9=-77.500;44.799
p10=-77.646;44.500
p11=-77.965;44.000
p12=-78.000;43.949
p13=-78.329;43.500
p14=-78.500;43.317
p15=-78.829;43.000
p16=-79.000;42.853
p17=-79.464;42.500
p18=-79.500;42.476
p19=-80.000;42.191
p20=-80.388;42.000
p21=-80.500;41.956
p22=-81.000;41.813
p23=-81.500;41.717
p24=-82.000;41.664
p25=-82.500;41.673
p26=-83.000;41.756
p27=-83.500;41.904
p28=-83.722;42.000
p29=-84.000;42.151
p30=-84.486;42.500
p31=-84.500;42.513
p32=-84.904;43.000
p33=-85.000;43.137
p34=-85.199;43.500
p35=-85.412;44.000
p36=-85.500;44.342
p37=-85.534;44.500
p38=-85.606;45.000
p39=-85.611;45.500
p40=-85.570;46.000
p41=-85.500;46.469

p42=-85.495;46.500
p43=-85.333;47.000
p44=-85.136;47.500
p45=-85.000;47.747
p46=-84.841;48.000
p47=-84.500;48.499
p48=-84.499;48.500
p49=-84.020;49.000
p50=-84.000;49.018
p51=-83.500;49.434
p52=-83.404;49.500
p53=-83.000;49.750
p54=-82.537;50.000
p55=-82.500;50.018
p56=-82.000;50.205
p57=-81.500;50.348
p58=-81.000;50.449
p59=-80.500;50.482
p60=-80.000;50.483
p61=-79.500;50.390
p62=-79.000;50.229
p63=-78.516;50.000
p64=-78.500;49.992
p65=-78.000;49.628
p66=-77.863;49.500
p67=-77.500;49.026
p68=-77.483;49.000
p69=-77.199;48.500
p70=-77.036;48.000
p71=-77.000;47.784

[C4]

gain=-8.00
n_point=81
p1=-76.500;49.026
p2=-76.488;49.000
p3=-76.309;48.500
p4=-76.216;48.000
p5=-76.175;47.500
p6=-76.174;47.000
p7=-76.239;46.500
p8=-76.327;46.000
p9=-76.465;45.500
p10=-76.500;45.400
p11=-76.651;45.000
p12=-76.871;44.500
p13=-77.000;44.262
p14=-77.155;44.000
p15=-77.488;43.500
p16=-77.500;43.484
p17=-77.899;43.000
p18=-78.000;42.895
p19=-78.426;42.500
p20=-78.500;42.436
p21=-79.000;42.045
p22=-79.068;42.000
p23=-79.500;41.763

p24=-80.000;41.529
p25=-80.076;41.500
p26=-80.500;41.356
p27=-81.000;41.232
p28=-81.500;41.145
p29=-82.000;41.102
p30=-82.500;41.120
p31=-83.000;41.191
p32=-83.500;41.318
p33=-83.990;41.500
p34=-84.000;41.504
p35=-84.500;41.810
p36=-84.742;42.000
p37=-85.000;42.248
p38=-85.218;42.500
p39=-85.500;42.920
p40=-85.546;43.000
p41=-85.792;43.500
p42=-85.982;44.000
p43=-86.000;44.075
p44=-86.093;44.500
p45=-86.177;45.000
p46=-86.200;45.500
p47=-86.179;46.000
p48=-86.127;46.500
p49=-86.001;47.000
p50=-86.000;47.003
p51=-85.843;47.500
p52=-85.619;48.000
p53=-85.500;48.220
p54=-85.324;48.500
p55=-85.000;48.950
p56=-84.961;49.000
p57=-84.500;49.498
p58=-84.498;49.500
p59=-84.000;49.929
p60=-83.909;50.000
p61=-83.500;50.275
p62=-83.098;50.500
p63=-83.000;50.554
p64=-82.500;50.794
p65=-82.000;50.973
p66=-81.915;51.000
p67=-81.500;51.117
p68=-81.000;51.196
p69=-80.500;51.255
p70=-80.000;51.257
p71=-79.500;51.218
p72=-79.000;51.137
p73=-78.581;51.000
p74=-78.500;50.969
p75=-78.000;50.722
p76=-77.658;50.500
p77=-77.500;50.371
p78=-77.143;50.000
p79=-77.000;49.842
p80=-76.746;49.500

p81=-76.500;49.026

[C5]

gain=-10.00

n_point=91

p1=-75.500;48.136

p2=-75.482;48.000

p3=-75.469;47.500

p4=-75.489;47.000

p5=-75.500;46.924

p6=-75.564;46.500

p7=-75.651;46.000

p8=-75.798;45.500

p9=-75.967;45.000

p10=-76.000;44.914

p11=-76.173;44.500

p12=-76.447;44.000

p13=-76.500;43.906

p14=-76.749;43.500

p15=-77.000;43.154

p16=-77.120;43.000

p17=-77.500;42.558

p18=-77.556;42.500

p19=-78.000;42.085

p20=-78.099;42.000

p21=-78.500;41.697

p22=-78.812;41.500

p23=-79.000;41.395

p24=-79.500;41.149

p25=-79.863;41.000

p26=-80.000;40.950

p27=-80.500;40.811

p28=-81.000;40.708

p29=-81.500;40.639

p30=-82.000;40.620

p31=-82.500;40.645

p32=-83.000;40.712

p33=-83.500;40.823

p34=-84.000;40.990

p35=-84.022;41.000

p36=-84.500;41.267

p37=-84.835;41.500

p38=-85.000;41.631

p39=-85.386;42.000

p40=-85.500;42.131

p41=-85.774;42.500

p42=-86.000;42.888

p43=-86.057;43.000

p44=-86.282;43.500

p45=-86.462;44.000

p46=-86.500;44.160

p47=-86.575;44.500

p48=-86.666;45.000

p49=-86.706;45.500

p50=-86.710;46.000

p51=-86.690;46.500

p52=-86.595;47.000

p53=-86.500;47.398
p54=-86.472;47.500
p55=-86.279;48.000
p56=-86.045;48.500
p57=-86.000;48.583
p58=-85.742;49.000
p59=-85.500;49.320
p60=-85.352;49.500
p61=-85.000;49.903
p62=-84.901;50.000
p63=-84.500;50.334
p64=-84.284;50.500
p65=-84.000;50.713
p66=-83.539;51.000
p67=-83.500;51.021
p68=-83.000;51.275
p69=-82.500;51.477
p70=-82.434;51.500
p71=-82.000;51.652
p72=-81.500;51.780
p73=-81.000;51.875
p74=-80.500;51.934
p75=-80.000;51.949
p76=-79.500;51.944
p77=-79.000;51.878
p78=-78.500;51.780
p79=-78.000;51.632
p80=-77.711;51.500
p81=-77.500;51.380
p82=-77.000;51.015
p83=-76.983;51.000
p84=-76.500;50.517
p85=-76.486;50.500
p86=-76.146;50.000
p87=-76.000;49.763
p88=-75.859;49.500
p89=-75.684;49.000
p90=-75.552;48.500
p91=-75.500;48.136

[C6]

gain=-15.00
n_point=111
p1=-74.000;48.786
p2=-73.981;48.500
p3=-73.966;48.000
p4=-73.985;47.500
p5=-74.000;47.352
p6=-74.040;47.000
p7=-74.132;46.500
p8=-74.233;46.000
p9=-74.373;45.500
p10=-74.500;45.107
p11=-74.537;45.000
p12=-74.729;44.500
p13=-74.971;44.000
p14=-75.000;43.940

p15=-75.235;43.500
p16=-75.500;43.056
p17=-75.535;43.000
p18=-75.882;42.500
p19=-76.000;42.344
p20=-76.283;42.000
p21=-76.500;41.749
p22=-76.738;41.500
p23=-77.000;41.261
p24=-77.312;41.000
p25=-77.500;40.849
p26=-77.993;40.500
p27=-78.000;40.496
p28=-78.500;40.227
p29=-78.983;40.000
p30=-79.000;39.993
p31=-79.500;39.835
p32=-80.000;39.718
p33=-80.500;39.641
p34=-81.000;39.609
p35=-81.500;39.619
p36=-82.000;39.658
p37=-82.500;39.721
p38=-83.000;39.806
p39=-83.500;39.920
p40=-83.775;40.000
p41=-84.000;40.074
p42=-84.500;40.280
p43=-84.954;40.500
p44=-85.000;40.527
p45=-85.500;40.887
p46=-85.632;41.000
p47=-86.000;41.372
p48=-86.102;41.500
p49=-86.492;42.000
p50=-86.500;42.011
p51=-86.784;42.500
p52=-87.000;42.926
p53=-87.033;43.000
p54=-87.249;43.500
p55=-87.444;44.000
p56=-87.500;44.187
p57=-87.594;44.500
p58=-87.733;45.000
p59=-87.832;45.500
p60=-87.897;46.000
p61=-87.945;46.500
p62=-87.917;47.000
p63=-87.866;47.500
p64=-87.756;48.000
p65=-87.600;48.500
p66=-87.500;48.760
p67=-87.400;49.000
p68=-87.123;49.500
p69=-87.000;49.704
p70=-86.810;50.000
p71=-86.500;50.391

p72=-86.404;50.500
p73=-86.000;50.939
p74=-85.941;51.000
p75=-85.500;51.376
p76=-85.336;51.500
p77=-85.000;51.748
p78=-84.640;52.000
p79=-84.500;52.083
p80=-84.000;52.341
p81=-83.678;52.500
p82=-83.500;52.587
p83=-83.000;52.792
p84=-82.500;52.984
p85=-82.445;53.000
p86=-82.000;53.117
p87=-81.500;53.237
p88=-81.000;53.322
p89=-80.500;53.390
p90=-80.000;53.429
p91=-79.500;53.441
p92=-79.000;53.430
p93=-78.500;53.384
p94=-78.000;53.321
p95=-77.500;53.217
p96=-77.000;53.085
p97=-76.744;53.000
p98=-76.500;52.908
p99=-76.000;52.641
p100=-75.787;52.500
p101=-75.500;52.224
p102=-75.309;52.000
p103=-75.000;51.589
p104=-74.941;51.500
p105=-74.668;51.000
p106=-74.500;50.674
p107=-74.419;50.500
p108=-74.244;50.000
p109=-74.103;49.500
p110=-74.016;49.000
p111=-74.000;48.786

[C7]

gain=-20.00
n_point=131
p1=-73.000;51.065
p2=-72.981;51.000
p3=-72.871;50.500
p4=-72.791;50.000
p5=-72.739;49.500
p6=-72.721;49.000
p7=-72.745;48.500
p8=-72.772;48.000
p9=-72.841;47.500
p10=-72.916;47.000
p11=-73.000;46.512
p12=-73.002;46.500
p13=-73.131;46.000

p14=-73.272;45.500
p15=-73.432;45.000
p16=-73.500;44.814
p17=-73.627;44.500
p18=-73.836;44.000
p19=-74.000;43.655
p20=-74.082;43.500
p21=-74.339;43.000
p22=-74.500;42.721
p23=-74.642;42.500
p24=-74.970;42.000
p25=-75.000;41.957
p26=-75.340;41.500
p27=-75.500;41.313
p28=-75.785;41.000
p29=-76.000;40.778
p30=-76.296;40.500
p31=-76.500;40.326
p32=-76.907;40.000
p33=-77.000;39.933
p34=-77.500;39.613
p35=-77.698;39.500
p36=-78.000;39.336
p37=-78.500;39.095
p38=-78.746;39.000
p39=-79.000;38.911
p40=-79.500;38.771
p41=-80.000;38.671
p42=-80.500;38.637
p43=-81.000;38.658
p44=-81.500;38.725
p45=-82.000;38.827
p46=-82.500;38.950
p47=-82.670;39.000
p48=-83.000;39.097
p49=-83.500;39.257
p50=-84.000;39.420
p51=-84.228;39.500
p52=-84.500;39.607
p53=-85.000;39.830
p54=-85.323;40.000
p55=-85.500;40.108
p56=-86.000;40.484
p57=-86.017;40.500
p58=-86.493;41.000
p59=-86.500;41.008
p60=-86.828;41.500
p61=-87.000;41.745
p62=-87.153;42.000
p63=-87.475;42.500
p64=-87.500;42.549
p65=-87.733;43.000
p66=-88.000;43.473
p67=-88.018;43.500
p68=-88.298;44.000
p69=-88.500;44.441
p70=-88.532;44.500

p71=-88.769;45.000
p72=-88.948;45.500
p73=-89.000;45.714
p74=-89.073;46.000
p75=-89.165;46.500
p76=-89.175;47.000
p77=-89.159;47.500
p78=-89.093;48.000
p79=-89.000;48.425
p80=-88.982;48.500
p81=-88.834;49.000
p82=-88.619;49.500
p83=-88.500;49.754
p84=-88.379;50.000
p85=-88.055;50.500
p86=-88.000;50.582
p87=-87.699;51.000
p88=-87.500;51.219
p89=-87.233;51.500
p90=-87.000;51.745
p91=-86.736;52.000
p92=-86.500;52.185
p93=-86.083;52.500
p94=-86.000;52.564
p95=-85.500;52.904
p96=-85.352;53.000
p97=-85.000;53.189
p98=-84.500;53.429
p99=-84.346;53.500
p100=-84.000;53.661
p101=-83.500;53.863
p102=-83.143;54.000
p103=-83.000;54.047
p104=-82.500;54.184
p105=-82.000;54.314
p106=-81.500;54.420
p107=-81.102;54.500
p108=-81.000;54.519
p109=-80.500;54.596
p110=-80.000;54.665
p111=-79.500;54.717
p112=-79.000;54.746
p113=-78.500;54.739
p114=-78.000;54.682
p115=-77.500;54.598
p116=-77.124;54.500
p117=-77.000;54.465
p118=-76.500;54.328
p119=-76.000;54.170
p120=-75.517;54.000
p121=-75.500;53.994
p122=-75.000;53.816
p123=-74.500;53.591
p124=-74.337;53.500
p125=-74.000;53.135
p126=-73.892;53.000
p127=-73.569;52.500

p128=-73.500;52.358
p129=-73.337;52.000
p130=-73.148;51.500
p131=-73.000;51.065