

[FormatInfo]
format_ver=1

[GeoMain]
adm=USA
sat_name=SKYTERRA-2
long_nom=-95.000
n_diag=1

[COHeader]
beam_id=RU17
emi_rcp=R
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-79.660;39.828

[C1]
gain=-2.00
n_point=37
p1=-78.000;41.173
p2=-77.888;41.000
p3=-77.689;40.500
p4=-77.636;40.000
p5=-77.716;39.500
p6=-77.861;39.000
p7=-78.000;38.682
p8=-78.103;38.500
p9=-78.500;38.076
p10=-78.587;38.000
p11=-79.000;37.696
p12=-79.398;37.500
p13=-79.500;37.460
p14=-80.000;37.372
p15=-80.500;37.385
p16=-80.938;37.500
p17=-81.000;37.522
p18=-81.500;37.877
p19=-81.608;38.000
p20=-81.910;38.500
p21=-82.000;38.820
p22=-82.037;39.000
p23=-82.018;39.500
p24=-82.000;39.598
p25=-81.911;40.000
p26=-81.728;40.500
p27=-81.500;40.840
p28=-81.348;41.000
p29=-81.000;41.321
p30=-80.753;41.500
p31=-80.500;41.661
p32=-80.000;41.835
p33=-79.500;41.900

p34=-79.000;41.852
p35=-78.500;41.649
p36=-78.303;41.500
p37=-78.000;41.173

[C2]

gain=-4.00
n_point=51
p1=-77.000;41.640
p2=-76.924;41.500
p3=-76.759;41.000
p4=-76.668;40.500
p5=-76.651;40.000
p6=-76.725;39.500
p7=-76.862;39.000
p8=-77.000;38.642
p9=-77.060;38.500
p10=-77.363;38.000
p11=-77.500;37.823
p12=-77.803;37.500
p13=-78.000;37.315
p14=-78.397;37.000
p15=-78.500;36.932
p16=-79.000;36.692
p17=-79.500;36.537
p18=-79.729;36.500
p19=-80.000;36.464
p20=-80.500;36.466
p21=-80.688;36.500
p22=-81.000;36.567
p23=-81.500;36.776
p24=-81.863;37.000
p25=-82.000;37.117
p26=-82.325;37.500
p27=-82.500;37.775
p28=-82.610;38.000
p29=-82.779;38.500
p30=-82.869;39.000
p31=-82.855;39.500
p32=-82.768;40.000
p33=-82.627;40.500
p34=-82.500;40.791
p35=-82.393;41.000
p36=-82.067;41.500
p37=-82.000;41.586
p38=-81.594;42.000
p39=-81.500;42.081
p40=-81.000;42.438
p41=-80.870;42.500
p42=-80.500;42.654
p43=-80.000;42.805
p44=-79.500;42.892
p45=-79.000;42.875
p46=-78.500;42.777
p47=-78.000;42.588
p48=-77.847;42.500
p49=-77.500;42.255

p50=-77.248;42.000
p51=-77.000;41.640

[C3]

gain=-6.00
n_point=63
p1=-76.000;41.331
p2=-75.930;41.000
p3=-75.876;40.500
p4=-75.881;40.000
p5=-75.962;39.500
p6=-76.000;39.334
p7=-76.083;39.000
p8=-76.257;38.500
p9=-76.500;38.019
p10=-76.510;38.000
p11=-76.839;37.500
p12=-77.000;37.295
p13=-77.275;37.000
p14=-77.500;36.787
p15=-77.853;36.500
p16=-78.000;36.401
p17=-78.500;36.141
p18=-78.874;36.000
p19=-79.000;35.958
p20=-79.500;35.846
p21=-80.000;35.797
p22=-80.500;35.820
p23=-81.000;35.910
p24=-81.292;36.000
p25=-81.500;36.074
p26=-82.000;36.335
p27=-82.237;36.500
p28=-82.500;36.721
p29=-82.758;37.000
p30=-83.000;37.368
p31=-83.070;37.500
p32=-83.263;38.000
p33=-83.396;38.500
p34=-83.470;39.000
p35=-83.460;39.500
p36=-83.403;40.000
p37=-83.295;40.500
p38=-83.107;41.000
p39=-83.000;41.230
p40=-82.854;41.500
p41=-82.547;42.000
p42=-82.500;42.060
p43=-82.066;42.500
p44=-82.000;42.561
p45=-81.500;42.954
p46=-81.425;43.000
p47=-81.000;43.235
p48=-80.500;43.451
p49=-80.349;43.500
p50=-80.000;43.595
p51=-79.500;43.655

p52=-79.000;43.665
p53=-78.500;43.621
p54=-78.000;43.502
p55=-77.994;43.500
p56=-77.500;43.270
p57=-77.078;43.000
p58=-77.000;42.937
p59=-76.584;42.500
p60=-76.500;42.390
p61=-76.256;42.000
p62=-76.042;41.500
p63=-76.000;41.331

[C4]

gain=-8.00
n_point=71
p1=-75.500;42.068
p2=-75.471;42.000
p3=-75.324;41.500
p4=-75.255;41.000
p5=-75.223;40.500
p6=-75.227;40.000
p7=-75.307;39.500
p8=-75.426;39.000
p9=-75.500;38.749
p10=-75.579;38.500
p11=-75.798;38.000
p12=-76.000;37.641
p13=-76.085;37.500
p14=-76.424;37.000
p15=-76.500;36.904
p16=-76.873;36.500
p17=-77.000;36.383
p18=-77.477;36.000
p19=-77.500;35.984
p20=-78.000;35.694
p21=-78.445;35.500
p22=-78.500;35.478
p23=-79.000;35.334
p24=-79.500;35.249
p25=-80.000;35.229
p26=-80.500;35.268
p27=-81.000;35.360
p28=-81.483;35.500
p29=-81.500;35.506
p30=-82.000;35.737
p31=-82.438;36.000
p32=-82.500;36.044
p33=-83.000;36.490
p34=-83.009;36.500
p35=-83.381;37.000
p36=-83.500;37.224
p37=-83.618;37.500
p38=-83.778;38.000
p39=-83.887;38.500
p40=-83.952;39.000
p41=-83.947;39.500

p42=-83.906;40.000
p43=-83.829;40.500
p44=-83.689;41.000
p45=-83.500;41.479
p46=-83.490;41.500
p47=-83.226;42.000
p48=-83.000;42.353
p49=-82.887;42.500
p50=-82.500;42.920
p51=-82.413;43.000
p52=-82.000;43.355
p53=-81.800;43.500
p54=-81.500;43.683
p55=-81.000;43.919
p56=-80.790;44.000
p57=-80.500;44.106
p58=-80.000;44.225
p59=-79.500;44.295
p60=-79.000;44.325
p61=-78.500;44.287
p62=-78.000;44.190
p63=-77.500;44.038
p64=-77.411;44.000
p65=-77.000;43.805
p66=-76.539;43.500
p67=-76.500;43.469
p68=-76.035;43.000
p69=-76.000;42.954
p70=-75.718;42.500
p71=-75.500;42.068

[C5]

gain=-10.00
n_point=79
p1=-75.000;42.458
p2=-74.836;42.000
p3=-74.703;41.500
p4=-74.649;41.000
p5=-74.636;40.500
p6=-74.655;40.000
p7=-74.725;39.500
p8=-74.838;39.000
p9=-74.985;38.500
p10=-75.000;38.459
p11=-75.180;38.000
p12=-75.433;37.500
p13=-75.500;37.385
p14=-75.744;37.000
p15=-76.000;36.626
p16=-76.099;36.500
p17=-76.500;36.082
p18=-76.588;36.000
p19=-77.000;35.654
p20=-77.214;35.500
p21=-77.500;35.320
p22=-78.000;35.071
p23=-78.183;35.000

p24=-78.500;34.889
p25=-79.000;34.771
p26=-79.500;34.720
p27=-80.000;34.726
p28=-80.500;34.780
p29=-81.000;34.879
p30=-81.429;35.000
p31=-81.500;35.022
p32=-82.000;35.239
p33=-82.477;35.500
p34=-82.500;35.514
p35=-83.000;35.910
p36=-83.094;36.000
p37=-83.500;36.455
p38=-83.533;36.500
p39=-83.840;37.000
p40=-84.000;37.346
p41=-84.058;37.500
p42=-84.195;38.000
p43=-84.300;38.500
p44=-84.359;39.000
p45=-84.364;39.500
p46=-84.338;40.000
p47=-84.283;40.500
p48=-84.184;41.000
p49=-84.034;41.500
p50=-84.000;41.590
p51=-83.819;42.000
p52=-83.544;42.500
p53=-83.500;42.567
p54=-83.179;43.000
p55=-83.000;43.211
p56=-82.706;43.500
p57=-82.500;43.678
p58=-82.070;44.000
p59=-82.000;44.047
p60=-81.500;44.314
p61=-81.086;44.500
p62=-81.000;44.537
p63=-80.500;44.701
p64=-80.000;44.809
p65=-79.500;44.883
p66=-79.000;44.905
p67=-78.500;44.876
p68=-78.000;44.808
p69=-77.500;44.689
p70=-77.000;44.506
p71=-76.986;44.500
p72=-76.500;44.227
p73=-76.182;44.000
p74=-76.000;43.852
p75=-75.642;43.500
p76=-75.500;43.328
p77=-75.266;43.000
p78=-75.017;42.500
p79=-75.000;42.458

[C6]

gain=-15.00
n_point=99
p1=-73.500;42.100
p2=-73.479;42.000
p3=-73.402;41.500
p4=-73.384;41.000
p5=-73.395;40.500
p6=-73.424;40.000
p7=-73.499;39.500
p8=-73.500;39.498
p9=-73.622;39.000
p10=-73.755;38.500
p11=-73.922;38.000
p12=-74.000;37.818
p13=-74.145;37.500
p14=-74.383;37.000
p15=-74.500;36.788
p16=-74.681;36.500
p17=-75.000;36.022
p18=-75.016;36.000
p19=-75.430;35.500
p20=-75.500;35.424
p21=-75.933;35.000
p22=-76.000;34.938
p23=-76.500;34.528
p24=-76.541;34.500
p25=-77.000;34.224
p26=-77.438;34.000
p27=-77.500;33.971
p28=-78.000;33.787
p29=-78.500;33.663
p30=-79.000;33.598
p31=-79.500;33.588
p32=-80.000;33.635
p33=-80.500;33.733
p34=-81.000;33.878
p35=-81.318;34.000
p36=-81.500;34.068
p37=-82.000;34.297
p38=-82.405;34.500
p39=-82.500;34.551
p40=-83.000;34.863
p41=-83.198;35.000
p42=-83.500;35.258
p43=-83.742;35.500
p44=-84.000;35.797
p45=-84.147;36.000
p46=-84.454;36.500
p47=-84.500;36.588
p48=-84.673;37.000
p49=-84.842;37.500
p50=-84.981;38.000
p51=-85.000;38.082
p52=-85.080;38.500
p53=-85.166;39.000
p54=-85.218;39.500

p55=-85.247;40.000
p56=-85.260;40.500
p57=-85.237;41.000
p58=-85.171;41.500
p59=-85.072;42.000
p60=-85.000;42.250
p61=-84.920;42.500
p62=-84.695;43.000
p63=-84.500;43.353
p64=-84.410;43.500
p65=-84.038;44.000
p66=-84.000;44.045
p67=-83.547;44.500
p68=-83.500;44.543
p69=-83.000;44.950
p70=-82.931;45.000
p71=-82.500;45.261
p72=-82.013;45.500
p73=-82.000;45.506
p74=-81.500;45.712
p75=-81.000;45.868
p76=-80.500;45.991
p77=-80.454;46.000
p78=-80.000;46.079
p79=-79.500;46.119
p80=-79.000;46.137
p81=-78.500;46.128
p82=-78.000;46.075
p83=-77.516;46.000
p84=-77.500;45.997
p85=-77.000;45.871
p86=-76.500;45.691
p87=-76.070;45.500
p88=-76.000;45.466
p89=-75.500;45.173
p90=-75.252;45.000
p91=-75.000;44.802
p92=-74.672;44.500
p93=-74.500;44.294
p94=-74.283;44.000
p95=-74.000;43.534
p96=-73.982;43.500
p97=-73.749;43.000
p98=-73.595;42.500
p99=-73.500;42.100

[C7]

gain=-20.00
n_point=115
p1=-72.500;42.995
p2=-72.403;42.500
p3=-72.351;42.000
p4=-72.333;41.500
p5=-72.347;41.000
p6=-72.385;40.500
p7=-72.458;40.000
p8=-72.500;39.777

p9=-72.554;39.500
p10=-72.674;39.000
p11=-72.826;38.500
p12=-72.979;38.000
p13=-73.000;37.936
p14=-73.172;37.500
p15=-73.401;37.000
p16=-73.500;36.784
p17=-73.641;36.500
p18=-73.919;36.000
p19=-74.000;35.870
p20=-74.252;35.500
p21=-74.500;35.151
p22=-74.621;35.000
p23=-75.000;34.566
p24=-75.064;34.500
p25=-75.500;34.086
p26=-75.602;34.000
p27=-76.000;33.697
p28=-76.313;33.500
p29=-76.500;33.388
p30=-77.000;33.138
p31=-77.335;33.000
p32=-77.500;32.938
p33=-78.000;32.799
p34=-78.500;32.703
p35=-79.000;32.649
p36=-79.500;32.644
p37=-80.000;32.703
p38=-80.500;32.827
p39=-80.960;33.000
p40=-81.000;33.015
p41=-81.500;33.266
p42=-81.909;33.500
p43=-82.000;33.549
p44=-82.500;33.851
p45=-82.749;34.000
p46=-83.000;34.156
p47=-83.500;34.474
p48=-83.540;34.500
p49=-84.000;34.869
p50=-84.146;35.000
p51=-84.500;35.407
p52=-84.570;35.500
p53=-84.867;36.000
p54=-85.000;36.272
p55=-85.087;36.500
p56=-85.247;37.000
p57=-85.397;37.500
p58=-85.500;37.870
p59=-85.528;38.000
p60=-85.652;38.500
p61=-85.794;39.000
p62=-85.918;39.500
p63=-86.000;39.871
p64=-86.035;40.000
p65=-86.147;40.500

p66=-86.219;41.000
p67=-86.233;41.500
p68=-86.206;42.000
p69=-86.127;42.500
p70=-86.000;42.923
p71=-85.975;43.000
p72=-85.778;43.500
p73=-85.525;44.000
p74=-85.500;44.040
p75=-85.175;44.500
p76=-85.000;44.723
p77=-84.764;45.000
p78=-84.500;45.262
p79=-84.225;45.500
p80=-84.000;45.677
p81=-83.539;46.000
p82=-83.500;46.025
p83=-83.000;46.308
p84=-82.591;46.500
p85=-82.500;46.538
p86=-82.000;46.722
p87=-81.500;46.864
p88=-81.000;46.981
p89=-80.898;47.000
p90=-80.500;47.068
p91=-80.000;47.119
p92=-79.500;47.151
p93=-79.000;47.154
p94=-78.500;47.131
p95=-78.000;47.091
p96=-77.500;47.025
p97=-77.358;47.000
p98=-77.000;46.927
p99=-76.500;46.804
p100=-76.000;46.650
p101=-75.608;46.500
p102=-75.500;46.455
p103=-75.000;46.216
p104=-74.619;46.000
p105=-74.500;45.921
p106=-74.000;45.543
p107=-73.949;45.500
p108=-73.500;45.027
p109=-73.476;45.000
p110=-73.120;44.500
p111=-73.000;44.289
p112=-72.848;44.000
p113=-72.649;43.500
p114=-72.501;43.000
p115=-72.500;42.995