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format_ver=1

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

[COHeader]
beam_id=RU5
emi_rcp=R
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-95.159;45.605

[C1]
gain=-2.00
n_point=39
p1=-97.000;47.184
p2=-96.752;47.500
p3=-96.500;47.742
p4=-96.093;48.000
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p6=-95.500;48.155
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p8=-94.500;48.092
p9=-94.299;48.000
p10=-94.000;47.824
p11=-93.610;47.500
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p17=-92.922;45.500
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p20=-93.261;44.500
p21=-93.500;44.100
p22=-93.574;44.000
p23=-94.000;43.649
p24=-94.251;43.500
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p26=-95.000;43.286
p27=-95.500;43.314
p28=-96.000;43.451
p29=-96.102;43.500
p30=-96.500;43.733
p31=-96.783;44.000
p32=-97.000;44.329
p33=-97.093;44.500

p34=-97.303;45.000
p35=-97.419;45.500
p36=-97.409;46.000
p37=-97.339;46.500
p38=-97.112;47.000
p39=-97.000;47.184

[C2]

gain=-4.00
n_point=55
p1=-98.000;47.630
p2=-97.769;48.000
p3=-97.500;48.331
p4=-97.317;48.500
p5=-97.000;48.762
p6=-96.637;49.000
p7=-96.500;49.070
p8=-96.000;49.247
p9=-95.500;49.320
p10=-95.000;49.336
p11=-94.500;49.274
p12=-94.000;49.113
p13=-93.743;49.000
p14=-93.500;48.862
p15=-93.041;48.500
p16=-93.000;48.465
p17=-92.605;48.000
p18=-92.500;47.836
p19=-92.318;47.500
p20=-92.125;47.000
p21=-92.000;46.541
p22=-91.990;46.500
p23=-91.968;46.000
p24=-91.981;45.500
p25=-92.000;45.398
p26=-92.082;45.000
p27=-92.252;44.500
p28=-92.460;44.000
p29=-92.500;43.939
p30=-92.842;43.500
p31=-93.000;43.328
p32=-93.366;43.000
p33=-93.500;42.897
p34=-94.000;42.593
p35=-94.213;42.500
p36=-94.500;42.406
p37=-95.000;42.347
p38=-95.500;42.365
p39=-96.000;42.457
p40=-96.133;42.500
p41=-96.500;42.657
p42=-97.000;42.998
p43=-97.003;43.000
p44=-97.500;43.489
p45=-97.510;43.500
p46=-97.886;44.000
p47=-98.000;44.228

p48=-98.115;44.500
p49=-98.283;45.000
p50=-98.382;45.500
p51=-98.397;46.000
p52=-98.373;46.500
p53=-98.245;47.000
p54=-98.065;47.500
p55=-98.000;47.630

[C3]

gain=-6.00
n_point=67
p1=-99.000;47.254
p2=-98.932;47.500
p3=-98.725;48.000
p4=-98.500;48.393
p5=-98.430;48.500
p6=-98.057;49.000
p7=-98.000;49.058
p8=-97.500;49.491
p9=-97.486;49.500
p10=-97.000;49.791
p11=-96.563;50.000
p12=-96.500;50.024
p13=-96.000;50.166
p14=-95.500;50.220
p15=-95.000;50.232
p16=-94.500;50.183
p17=-94.000;50.057
p18=-93.830;50.000
p19=-93.500;49.863
p20=-93.000;49.566
p21=-92.915;49.500
p22=-92.500;49.164
p23=-92.327;49.000
p24=-92.000;48.592
p25=-91.939;48.500
p26=-91.638;48.000
p27=-91.500;47.692
p28=-91.430;47.500
p29=-91.307;47.000
p30=-91.222;46.500
p31=-91.221;46.000
p32=-91.251;45.500
p33=-91.349;45.000
p34=-91.500;44.510
p35=-91.503;44.500
p36=-91.711;44.000
p37=-92.000;43.518
p38=-92.012;43.500
p39=-92.395;43.000
p40=-92.500;42.879
p41=-92.905;42.500
p42=-93.000;42.431
p43=-93.500;42.129
p44=-93.768;42.000
p45=-94.000;41.902

p46=-94.500;41.753
p47=-95.000;41.699
p48=-95.500;41.716
p49=-96.000;41.800
p50=-96.500;41.948
p51=-96.611;42.000
p52=-97.000;42.207
p53=-97.444;42.500
p54=-97.500;42.548
p55=-97.958;43.000
p56=-98.000;43.048
p57=-98.350;43.500
p58=-98.500;43.727
p59=-98.657;44.000
p60=-98.853;44.500
p61=-99.000;44.950
p62=-99.015;45.000
p63=-99.111;45.500
p64=-99.143;46.000
p65=-99.145;46.500
p66=-99.062;47.000
p67=-99.000;47.254

[C4]

gain=-8.00
n_point=75
p1=-99.500;47.970
p2=-99.490;48.000
p3=-99.256;48.500
p4=-99.000;48.983
p5=-98.989;49.000
p6=-98.562;49.500
p7=-98.500;49.569
p8=-98.055;50.000
p9=-98.000;50.042
p10=-97.500;50.378
p11=-97.244;50.500
p12=-97.000;50.614
p13=-96.500;50.797
p14=-96.000;50.935
p15=-95.500;50.984
p16=-95.000;50.995
p17=-94.500;50.948
p18=-94.000;50.828
p19=-93.500;50.669
p20=-93.142;50.500
p21=-93.000;50.431
p22=-92.500;50.122
p23=-92.330;50.000
p24=-92.000;49.704
p25=-91.817;49.500
p26=-91.500;49.134
p27=-91.401;49.000
p28=-91.123;48.500
p29=-91.000;48.244
p30=-90.895;48.000
p31=-90.740;47.500

p32=-90.641;47.000
p33=-90.578;46.500
p34=-90.592;46.000
p35=-90.634;45.500
p36=-90.733;45.000
p37=-90.881;44.500
p38=-91.000;44.173
p39=-91.070;44.000
p40=-91.358;43.500
p41=-91.500;43.286
p42=-91.704;43.000
p43=-92.000;42.632
p44=-92.116;42.500
p45=-92.500;42.159
p46=-92.718;42.000
p47=-93.000;41.817
p48=-93.500;41.542
p49=-93.596;41.500
p50=-94.000;41.345
p51=-94.500;41.209
p52=-95.000;41.160
p53=-95.500;41.175
p54=-96.000;41.252
p55=-96.500;41.388
p56=-96.770;41.500
p57=-97.000;41.610
p58=-97.500;41.909
p59=-97.632;42.000
p60=-98.000;42.286
p61=-98.247;42.500
p62=-98.500;42.781
p63=-98.671;43.000
p64=-99.000;43.481
p65=-99.012;43.500
p66=-99.288;44.000
p67=-99.484;44.500
p68=-99.500;44.548
p69=-99.638;45.000
p70=-99.738;45.500
p71=-99.781;46.000
p72=-99.797;46.500
p73=-99.736;47.000
p74=-99.641;47.500
p75=-99.500;47.970

[C5]

gain=-10.00
n_point=87
p1=-100.000;48.353
p2=-99.942;48.500
p3=-99.710;49.000
p4=-99.500;49.335
p5=-99.385;49.500
p6=-99.019;50.000
p7=-99.000;50.020
p8=-98.500;50.465
p9=-98.454;50.500

p10=-98.000;50.834
p11=-97.740;51.000
p12=-97.500;51.130
p13=-97.000;51.330
p14=-96.500;51.483
p15=-96.430;51.500
p16=-96.000;51.599
p17=-95.500;51.638
p18=-95.000;51.647
p19=-94.500;51.608
p20=-94.000;51.509
p21=-93.964;51.500
p22=-93.500;51.376
p23=-93.000;51.173
p24=-92.654;51.000
p25=-92.500;50.909
p26=-92.000;50.568
p27=-91.922;50.500
p28=-91.500;50.122
p29=-91.379;50.000
p30=-91.000;49.508
p31=-90.995;49.500
p32=-90.665;49.000
p33=-90.500;48.659
p34=-90.432;48.500
p35=-90.245;48.000
p36=-90.115;47.500
p37=-90.039;47.000
p38=-90.000;46.559
p39=-89.995;46.500
p40=-90.000;46.414
p41=-90.024;46.000
p42=-90.077;45.500
p43=-90.183;45.000
p44=-90.335;44.500
p45=-90.500;44.041
p46=-90.515;44.000
p47=-90.783;43.500
p48=-91.000;43.153
p49=-91.103;43.000
p50=-91.482;42.500
p51=-91.500;42.482
p52=-91.997;42.000
p53=-92.000;41.998
p54=-92.500;41.604
p55=-92.658;41.500
p56=-93.000;41.299
p57=-93.500;41.048
p58=-93.621;41.000
p59=-94.000;40.883
p60=-94.500;40.773
p61=-95.000;40.733
p62=-95.500;40.745
p63=-96.000;40.807
p64=-96.500;40.917
p65=-96.751;41.000
p66=-97.000;41.106

p67=-97.500;41.377
p68=-97.697;41.500
p69=-98.000;41.712
p70=-98.370;42.000
p71=-98.500;42.113
p72=-98.891;42.500
p73=-99.000;42.638
p74=-99.267;43.000
p75=-99.500;43.356
p76=-99.590;43.500
p77=-99.858;44.000
p78=-100.000;44.366
p79=-100.048;44.500
p80=-100.196;45.000
p81=-100.297;45.500
p82=-100.347;46.000
p83=-100.373;46.500
p84=-100.328;47.000
p85=-100.254;47.500
p86=-100.127;48.000
p87=-100.000;48.353

[C6]

gain=-15.00
n_point=107
p1=-101.500;48.000
p2=-101.500;48.000
p3=-101.365;48.500
p4=-101.201;49.000
p5=-101.000;49.443
p6=-100.972;49.500
p7=-100.718;50.000
p8=-100.500;50.320
p9=-100.364;50.500
p10=-100.000;50.981
p11=-99.983;51.000
p12=-99.500;51.448
p13=-99.439;51.500
p14=-99.000;51.858
p15=-98.804;52.000
p16=-98.500;52.190
p17=-98.000;52.438
p18=-97.861;52.500
p19=-97.500;52.655
p20=-97.000;52.825
p21=-96.500;52.946
p22=-96.224;53.000
p23=-96.000;53.039
p24=-95.500;53.068
p25=-95.000;53.075
p26=-94.500;53.044
p27=-94.200;53.000
p28=-94.000;52.967
p29=-93.500;52.862
p30=-93.000;52.691
p31=-92.519;52.500
p32=-92.500;52.492

p33=-92.000;52.248
p34=-91.588;52.000
p35=-91.500;51.938
p36=-91.000;51.552
p37=-90.942;51.500
p38=-90.500;51.096
p39=-90.408;51.000
p40=-90.018;50.500
p41=-90.000;50.476
p42=-89.664;50.000
p43=-89.500;49.690
p44=-89.407;49.500
p45=-89.174;49.000
p46=-89.008;48.500
p47=-89.000;48.473
p48=-88.878;48.000
p49=-88.790;47.500
p50=-88.748;47.000
p51=-88.727;46.500
p52=-88.769;46.000
p53=-88.830;45.500
p54=-88.934;45.000
p55=-89.000;44.776
p56=-89.084;44.500
p57=-89.264;44.000
p58=-89.500;43.521
p59=-89.511;43.500
p60=-89.805;43.000
p61=-90.000;42.712
p62=-90.146;42.500
p63=-90.500;42.100
p64=-90.592;42.000
p65=-91.000;41.608
p66=-91.118;41.500
p67=-91.500;41.193
p68=-91.750;41.000
p69=-92.000;40.846
p70=-92.500;40.566
p71=-92.636;40.500
p72=-93.000;40.346
p73=-93.500;40.168
p74=-94.000;40.024
p75=-94.116;40.000
p76=-94.500;39.933
p77=-95.000;39.900
p78=-95.500;39.908
p79=-96.000;39.956
p80=-96.254;40.000
p81=-96.500;40.050
p82=-97.000;40.199
p83=-97.500;40.389
p84=-97.753;40.500
p85=-98.000;40.624
p86=-98.500;40.904
p87=-98.655;41.000
p88=-99.000;41.266
p89=-99.289;41.500

p90=-99.500;41.696
p91=-99.814;42.000
p92=-100.000;42.204
p93=-100.257;42.500
p94=-100.500;42.855
p95=-100.596;43.000
p96=-100.885;43.500
p97=-101.000;43.734
p98=-101.127;44.000
p99=-101.303;44.500
p100=-101.454;45.000
p101=-101.500;45.213
p102=-101.558;45.500
p103=-101.616;46.000
p104=-101.655;46.500
p105=-101.631;47.000
p106=-101.588;47.500
p107=-101.500;48.000

[C7]

gain=-20.00
n_point=121
p1=-102.500;48.669
p2=-102.408;49.000
p3=-102.216;49.500
p4=-102.020;50.000
p5=-102.000;50.037
p6=-101.733;50.500
p7=-101.500;50.922
p8=-101.450;51.000
p9=-101.046;51.500
p10=-101.000;51.559
p11=-100.616;52.000
p12=-100.500;52.107
p13=-100.056;52.500
p14=-100.000;52.550
p15=-99.500;52.936
p16=-99.405;53.000
p17=-99.000;53.230
p18=-98.500;53.499
p19=-98.497;53.500
p20=-98.000;53.715
p21=-97.500;53.903
p22=-97.190;54.000
p23=-97.000;54.051
p24=-96.500;54.142
p25=-96.000;54.218
p26=-95.500;54.245
p27=-95.000;54.251
p28=-94.500;54.223
p29=-94.000;54.158
p30=-93.500;54.077
p31=-93.212;54.000
p32=-93.000;53.934
p33=-92.500;53.761
p34=-92.000;53.544
p35=-91.915;53.500

p36=-91.500;53.289
p37=-91.000;53.021
p38=-90.968;53.000
p39=-90.500;52.636
p40=-90.338;52.500
p41=-90.000;52.213
p42=-89.762;52.000
p43=-89.500;51.715
p44=-89.332;51.500
p45=-89.000;51.085
p46=-88.937;51.000
p47=-88.646;50.500
p48=-88.500;50.252
p49=-88.360;50.000
p50=-88.158;49.500
p51=-88.000;49.098
p52=-87.964;49.000
p53=-87.833;48.500
p54=-87.726;48.000
p55=-87.653;47.500
p56=-87.621;47.000
p57=-87.603;46.500
p58=-87.642;46.000
p59=-87.699;45.500
p60=-87.792;45.000
p61=-87.929;44.500
p62=-88.000;44.274
p63=-88.091;44.000
p64=-88.306;43.500
p65=-88.500;43.106
p66=-88.557;43.000
p67=-88.862;42.500
p68=-89.000;42.314
p69=-89.248;42.000
p70=-89.500;41.716
p71=-89.708;41.500
p72=-90.000;41.237
p73=-90.283;41.000
p74=-90.500;40.843
p75=-91.000;40.517
p76=-91.027;40.500
p77=-91.500;40.238
p78=-91.995;40.000
p79=-92.000;39.998
p80=-92.500;39.793
p81=-93.000;39.619
p82=-93.392;39.500
p83=-93.500;39.473
p84=-94.000;39.374
p85=-94.500;39.306
p86=-95.000;39.278
p87=-95.500;39.282
p88=-96.000;39.316
p89=-96.500;39.381
p90=-97.000;39.481
p91=-97.073;39.500
p92=-97.500;39.630

p93=-98.000;39.801
p94=-98.496;40.000
p95=-98.500;40.002
p96=-99.000;40.245
p97=-99.457;40.500
p98=-99.500;40.527
p99=-100.000;40.860
p100=-100.185;41.000
p101=-100.500;41.275
p102=-100.737;41.500
p103=-101.000;41.784
p104=-101.179;42.000
p105=-101.500;42.427
p106=-101.550;42.500
p107=-101.841;43.000
p108=-102.000;43.305
p109=-102.094;43.500
p110=-102.300;44.000
p111=-102.456;44.500
p112=-102.500;44.662
p113=-102.586;45.000
p114=-102.676;45.500
p115=-102.735;46.000
p116=-102.772;46.500
p117=-102.754;47.000
p118=-102.723;47.500
p119=-102.649;48.000
p120=-102.543;48.500
p121=-102.500;48.669