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format_ver=1

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

[COHeader]
beam_id=RU27
emi_rcp=R
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-102.787;28.849

[C1]
gain=-2.00
n_point=31
p1=-104.500;30.014
p2=-104.140;30.500
p3=-104.000;30.633
p4=-103.500;30.918
p5=-103.067;31.000
p6=-103.000;31.010
p7=-102.941;31.000
p8=-102.500;30.904
p9=-102.000;30.617
p10=-101.876;30.500
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p12=-101.484;30.000
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p15=-101.335;28.500
p16=-101.500;28.020
p17=-101.510;28.000
p18=-101.924;27.500
p19=-102.000;27.433
p20=-102.500;27.182
p21=-103.000;27.114
p22=-103.500;27.229
p23=-103.953;27.500
p24=-104.000;27.538
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p27=-104.585;28.500
p28=-104.673;29.000
p29=-104.651;29.500
p30=-104.507;30.000
p31=-104.500;30.014

[C2]

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gain=-4.00
n_point=41
p1=-105.000;30.631
p2=-104.725;31.000
p3=-104.500;31.232
p4=-104.131;31.500
p5=-104.000;31.578
p6=-103.500;31.754
p7=-103.000;31.813
p8=-102.500;31.750
p9=-102.000;31.551
p10=-101.921;31.500
p11=-101.500;31.177
p12=-101.335;31.000
p13=-101.000;30.558
p14=-100.967;30.500
p15=-100.752;30.000
p16=-100.629;29.500
p17=-100.587;29.000
p18=-100.631;28.500
p19=-100.762;28.000
p20=-100.977;27.500
p21=-101.000;27.462
p22=-101.365;27.000
p23=-101.500;26.863
p24=-102.000;26.504
p25=-102.008;26.500
p26=-102.500;26.323
p27=-103.000;26.263
p28=-103.500;26.327
p29=-103.953;26.500
p30=-104.000;26.522
p31=-104.500;26.903
p32=-104.590;27.000
p33=-104.965;27.500
p34=-105.000;27.562
p35=-105.194;28.000
p36=-105.340;28.500
p37=-105.401;29.000
p38=-105.384;29.500
p39=-105.275;30.000
p40=-105.075;30.500
p41=-105.000;30.631
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[C3]

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gain=-6.00
n_point=49
p1=-105.500;30.913
p2=-105.451;31.000
p3=-105.078;31.500
p4=-105.000;31.585
p5=-104.505;32.000
p6=-104.500;32.004
p7=-104.000;32.255
p8=-103.500;32.405
p9=-103.000;32.453
p10=-102.500;32.400
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p11=-102.000;32.237
p12=-101.585;32.000
p13=-101.500;31.945
p14=-101.014;31.500
p15=-101.000;31.485
p16=-100.656;31.000
p17=-100.500;30.731
p18=-100.395;30.500
p19=-100.224;30.000
p20=-100.125;29.500
p21=-100.091;29.000
p22=-100.126;28.500
p23=-100.233;28.000
p24=-100.407;27.500
p25=-100.500;27.306
p26=-100.688;27.000
p27=-101.000;26.583
p28=-101.081;26.500
p29=-101.500;26.134
p30=-101.713;26.000
p31=-102.000;25.840
p32=-102.500;25.665
p33=-103.000;25.594
p34=-103.500;25.632
p35=-104.000;25.781
p36=-104.408;26.000
p37=-104.500;26.058
p38=-104.993;26.500
p39=-105.000;26.508
p40=-105.353;27.000
p41=-105.500;27.254
p42=-105.616;27.500
p43=-105.792;28.000
p44=-105.902;28.500
p45=-105.950;29.000
p46=-105.938;29.500
p47=-105.850;30.000
p48=-105.690;30.500
p49=-105.500;30.913

[C4]

gain=-8.00
n_point=57
p1=-106.000;30.984
p2=-105.993;31.000
p3=-105.692;31.500
p4=-105.500;31.760
p5=-105.280;32.000
p6=-105.000;32.259
p7=-104.661;32.500
p8=-104.500;32.598
p9=-104.000;32.815
p10=-103.500;32.947
p11=-103.000;32.993
p12=-102.500;32.950
p13=-102.000;32.815
p14=-101.500;32.568

p15=-101.405;32.500
p16=-101.000;32.175
p17=-100.835;32.000
p18=-100.500;31.597
p19=-100.437;31.500
p20=-100.158;31.000
p21=-100.000;30.657
p22=-99.942;30.500
p23=-99.805;30.000
p24=-99.725;29.500
p25=-99.698;29.000
p26=-99.731;28.500
p27=-99.820;28.000
p28=-99.965;27.500
p29=-100.000;27.413
p30=-100.205;27.000
p31=-100.500;26.511
p32=-100.508;26.500
p33=-100.951;26.000
p34=-101.000;25.950
p35=-101.500;25.556
p36=-101.596;25.500
p37=-102.000;25.280
p38=-102.500;25.099
p39=-103.000;25.014
p40=-103.500;25.030
p41=-104.000;25.148
p42=-104.500;25.373
p43=-104.692;25.500
p44=-105.000;25.735
p45=-105.262;26.000
p46=-105.500;26.281
p47=-105.649;26.500
p48=-105.935;27.000
p49=-106.000;27.140
p50=-106.139;27.500
p51=-106.278;28.000
p52=-106.365;28.500
p53=-106.404;29.000
p54=-106.393;29.500
p55=-106.318;30.000
p56=-106.185;30.500
p57=-106.000;30.984

[C5]

gain=-10.00
n_point=67
p1=-106.500;30.830
p2=-106.435;31.000
p3=-106.184;31.500
p4=-106.000;31.798
p5=-105.850;32.000
p6=-105.500;32.400
p7=-105.392;32.500
p8=-105.000;32.806
p9=-104.684;33.000
p10=-104.500;33.100

p11=-104.000;33.297
p12=-103.500;33.420
p13=-103.000;33.467
p14=-102.500;33.435
p15=-102.000;33.323
p16=-101.500;33.115
p17=-101.318;33.000
p18=-101.000;32.774
p19=-100.710;32.500
p20=-100.500;32.277
p21=-100.296;32.000
p22=-100.000;31.543
p23=-99.978;31.500
p24=-99.756;31.000
p25=-99.573;30.500
p26=-99.500;30.238
p27=-99.448;30.000
p28=-99.385;29.500
p29=-99.366;29.000
p30=-99.395;28.500
p31=-99.470;28.000
p32=-99.500;27.875
p33=-99.614;27.500
p34=-99.819;27.000
p35=-100.000;26.639
p36=-100.086;26.500
p37=-100.444;26.000
p38=-100.500;25.930
p39=-100.925;25.500
p40=-101.000;25.427
p41=-101.500;25.047
p42=-101.583;25.000
p43=-102.000;24.773
p44=-102.500;24.588
p45=-102.957;24.500
p46=-103.000;24.492
p47=-103.500;24.487
p48=-103.574;24.500
p49=-104.000;24.582
p50=-104.500;24.776
p51=-104.884;25.000
p52=-105.000;25.076
p53=-105.483;25.500
p54=-105.500;25.517
p55=-105.879;26.000
p56=-106.000;26.179
p57=-106.180;26.500
p58=-106.415;27.000
p59=-106.500;27.227
p60=-106.586;27.500
p61=-106.696;28.000
p62=-106.768;28.500
p63=-106.798;29.000
p64=-106.787;29.500
p65=-106.721;30.000
p66=-106.607;30.500
p67=-106.500;30.830

[C6]

gain=-15.00
n_point=83
p1=-107.500;30.341
p2=-107.467;30.500
p3=-107.313;31.000
p4=-107.117;31.500
p5=-107.000;31.744
p6=-106.859;32.000
p7=-106.539;32.500
p8=-106.500;32.551
p9=-106.102;33.000
p10=-106.000;33.104
p11=-105.548;33.500
p12=-105.500;33.540
p13=-105.000;33.880
p14=-104.782;34.000
p15=-104.500;34.149
p16=-104.000;34.343
p17=-103.500;34.473
p18=-103.290;34.500
p19=-103.000;34.537
p20=-102.500;34.536
p21=-102.234;34.500
p22=-102.000;34.466
p23=-101.500;34.318
p24=-101.000;34.076
p25=-100.890;34.000
p26=-100.500;33.707
p27=-100.290;33.500
p28=-100.000;33.182
p29=-99.869;33.000
p30=-99.557;32.500
p31=-99.500;32.398
p32=-99.323;32.000
p33=-99.132;31.500
p34=-99.000;31.102
p35=-98.974;31.000
p36=-98.867;30.500
p37=-98.788;30.000
p38=-98.745;29.500
p39=-98.734;29.000
p40=-98.760;28.500
p41=-98.825;28.000
p42=-98.929;27.500
p43=-99.000;27.250
p44=-99.090;27.000
p45=-99.311;26.500
p46=-99.500;26.122
p47=-99.575;26.000
p48=-99.912;25.500
p49=-100.000;25.370
p50=-100.311;25.000
p51=-100.500;24.773
p52=-100.784;24.500
p53=-101.000;24.293

p54=-101.389;24.000
p55=-101.500;23.921
p56=-102.000;23.653
p57=-102.411;23.500
p58=-102.500;23.470
p59=-103.000;23.378
p60=-103.500;23.361
p61=-104.000;23.416
p62=-104.325;23.500
p63=-104.500;23.551
p64=-105.000;23.780
p65=-105.353;24.000
p66=-105.500;24.102
p67=-105.956;24.500
p68=-106.000;24.543
p69=-106.388;25.000
p70=-106.500;25.148
p71=-106.724;25.500
p72=-107.000;25.993
p73=-107.003;26.000
p74=-107.208;26.500
p75=-107.372;27.000
p76=-107.494;27.500
p77=-107.500;27.535
p78=-107.571;28.000
p79=-107.617;28.500
p80=-107.633;29.000
p81=-107.617;29.500
p82=-107.562;30.000
p83=-107.500;30.341

[C7]

gain=-20.00
n_point=95
p1=-108.000;31.049
p2=-107.838;31.500
p3=-107.617;32.000
p4=-107.500;32.219
p5=-107.337;32.500
p6=-107.000;32.979
p7=-106.983;33.000
p8=-106.546;33.500
p9=-106.500;33.548
p10=-106.025;34.000
p11=-106.000;34.023
p12=-105.500;34.422
p13=-105.386;34.500
p14=-105.000;34.760
p15=-104.575;35.000
p16=-104.500;35.041
p17=-104.000;35.258
p18=-103.500;35.418
p19=-103.059;35.500
p20=-103.000;35.511
p21=-102.500;35.542
p22=-102.000;35.514
p23=-101.924;35.500

p24=-101.500;35.417
p25=-101.000;35.247
p26=-100.525;35.000
p27=-100.500;34.986
p28=-100.000;34.599
p29=-99.899;34.500
p30=-99.500;34.057
p31=-99.458;34.000
p32=-99.141;33.500
p33=-99.000;33.226
p34=-98.904;33.000
p35=-98.735;32.500
p36=-98.602;32.000
p37=-98.500;31.550
p38=-98.491;31.500
p39=-98.418;31.000
p40=-98.361;30.500
p41=-98.317;30.000
p42=-98.290;29.500
p43=-98.282;29.000
p44=-98.299;28.500
p45=-98.347;28.000
p46=-98.431;27.500
p47=-98.500;27.220
p48=-98.569;27.000
p49=-98.763;26.500
p50=-98.981;26.000
p51=-99.000;25.961
p52=-99.273;25.500
p53=-99.500;25.097
p54=-99.568;25.000
p55=-99.910;24.500
p56=-100.000;24.364
p57=-100.305;24.000
p58=-100.500;23.774
p59=-100.795;23.500
p60=-101.000;23.327
p61=-101.479;23.000
p62=-101.500;22.987
p63=-102.000;22.759
p64=-102.500;22.591
p65=-102.958;22.500
p66=-103.000;22.492
p67=-103.500;22.463
p68=-104.000;22.500
p69=-104.002;22.500
p70=-104.500;22.607
p71=-105.000;22.787
p72=-105.405;23.000
p73=-105.500;23.053
p74=-106.000;23.420
p75=-106.085;23.500
p76=-106.500;23.906
p77=-106.578;24.000
p78=-106.978;24.500
p79=-107.000;24.530
p80=-107.293;25.000

p81=-107.500;25.356
p82=-107.571;25.500
p83=-107.793;26.000
p84=-107.982;26.500
p85=-108.000;26.562
p86=-108.108;27.000
p87=-108.206;27.500
p88=-108.275;28.000
p89=-108.314;28.500
p90=-108.324;29.000
p91=-108.301;29.500
p92=-108.241;30.000
p93=-108.147;30.500
p94=-108.017;31.000
p95=-108.000;31.049