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sat_name=SKYTERRA-1
long_nom=-95.000
n_diag=1

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beam_id=RD22
emi_rcp=E
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-100.887;34.467

[C1]
gain=-2.00
n_point=41
p1=-103.000;34.528
p2=-102.892;35.000
p3=-102.755;35.500
p4=-102.500;35.863
p5=-102.379;36.000
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p19=-98.297;34.500
p20=-98.280;34.000
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p28=-100.000;31.662
p29=-100.500;31.614
p30=-101.000;31.709
p31=-101.500;31.875
p32=-101.678;32.000
p33=-102.000;32.256

p34=-102.280;32.500
p35=-102.500;32.778
p36=-102.617;33.000
p37=-102.845;33.500
p38=-102.930;34.000
p39=-103.000;34.462
p40=-103.005;34.500
p41=-103.000;34.528

[C2]

gain=-4.00
n_point=55
p1=-103.500;36.312
p2=-103.398;36.500
p3=-103.000;36.969
p4=-102.960;37.000
p5=-102.500;37.337
p6=-102.245;37.500
p7=-102.000;37.611
p8=-101.500;37.720
p9=-101.000;37.779
p10=-100.500;37.749
p11=-100.000;37.652
p12=-99.539;37.500
p13=-99.500;37.483
p14=-99.000;37.165
p15=-98.783;37.000
p16=-98.500;36.771
p17=-98.249;36.500
p18=-98.000;36.146
p19=-97.908;36.000
p20=-97.624;35.500
p21=-97.500;35.136
p22=-97.465;35.000
p23=-97.355;34.500
p24=-97.343;34.000
p25=-97.345;33.500
p26=-97.462;33.000
p27=-97.500;32.859
p28=-97.619;32.500
p29=-97.910;32.000
p30=-98.000;31.862
p31=-98.317;31.500
p32=-98.500;31.343
p33=-98.955;31.000
p34=-99.000;30.972
p35=-99.500;30.790
p36=-100.000;30.675
p37=-100.500;30.639
p38=-101.000;30.719
p39=-101.500;30.839
p40=-101.829;31.000
p41=-102.000;31.101
p42=-102.500;31.437
p43=-102.572;31.500
p44=-103.000;31.963
p45=-103.029;32.000

p46=-103.386;32.500
p47=-103.500;32.715
p48=-103.623;33.000
p49=-103.810;33.500
p50=-103.894;34.000
p51=-103.962;34.500
p52=-103.909;35.000
p53=-103.845;35.500
p54=-103.640;36.000
p55=-103.500;36.312

[C3]

gain=-6.00
n_point=69
p1=-104.500;35.914
p2=-104.469;36.000
p3=-104.293;36.500
p4=-104.000;36.999
p5=-103.999;37.000
p6=-103.611;37.500
p7=-103.500;37.594
p8=-103.000;37.993
p9=-102.986;38.000
p10=-102.500;38.253
p11=-102.000;38.463
p12=-101.834;38.500
p13=-101.500;38.556
p14=-101.000;38.584
p15=-100.500;38.561
p16=-100.167;38.500
p17=-100.000;38.461
p18=-99.500;38.295
p19=-99.000;38.034
p20=-98.942;38.000
p21=-98.500;37.732
p22=-98.223;37.500
p23=-98.000;37.269
p24=-97.756;37.000
p25=-97.500;36.701
p26=-97.371;36.500
p27=-97.129;36.000
p28=-97.000;35.712
p29=-96.909;35.500
p30=-96.780;35.000
p31=-96.673;34.500
p32=-96.662;34.000
p33=-96.665;33.500
p34=-96.777;33.000
p35=-96.901;32.500
p36=-97.000;32.278
p37=-97.138;32.000
p38=-97.419;31.500
p39=-97.500;31.390
p40=-97.839;31.000
p41=-98.000;30.841
p42=-98.466;30.500
p43=-98.500;30.478

p44=-99.000;30.204
p45=-99.500;30.035
p46=-99.676;30.000
p47=-100.000;29.950
p48=-100.500;29.920
p49=-101.000;29.984
p50=-101.081;30.000
p51=-101.500;30.101
p52=-102.000;30.322
p53=-102.323;30.500
p54=-102.500;30.607
p55=-103.000;30.981
p56=-103.021;31.000
p57=-103.489;31.500
p58=-103.500;31.513
p59=-103.849;32.000
p60=-104.000;32.243
p61=-104.134;32.500
p62=-104.333;33.000
p63=-104.500;33.444
p64=-104.518;33.500
p65=-104.601;34.000
p66=-104.672;34.500
p67=-104.650;35.000
p68=-104.614;35.500
p69=-104.500;35.914

[C4]

gain=-8.00
n_point=77
p1=-105.000;36.355
p2=-104.962;36.500
p3=-104.709;37.000
p4=-104.500;37.406
p5=-104.446;37.500
p6=-104.023;38.000
p7=-104.000;38.028
p8=-103.500;38.458
p9=-103.446;38.500
p10=-103.000;38.747
p11=-102.500;38.948
p12=-102.326;39.000
p13=-102.000;39.097
p14=-101.500;39.190
p15=-101.000;39.207
p16=-100.500;39.183
p17=-100.000;39.076
p18=-99.717;39.000
p19=-99.500;38.942
p20=-99.000;38.719
p21=-98.534;38.500
p22=-98.500;38.480
p23=-98.000;38.056
p24=-97.934;38.000
p25=-97.500;37.621
p26=-97.399;37.500
p27=-97.060;37.000

p28=-97.000;36.908
p29=-96.738;36.500
p30=-96.500;36.017
p31=-96.494;36.000
p32=-96.336;35.500
p33=-96.239;35.000
p34=-96.157;34.500
p35=-96.149;34.000
p36=-96.152;33.500
p37=-96.242;33.000
p38=-96.341;32.500
p39=-96.500;32.049
p40=-96.523;32.000
p41=-96.784;31.500
p42=-97.000;31.177
p43=-97.133;31.000
p44=-97.500;30.579
p45=-97.580;30.500
p46=-98.000;30.130
p47=-98.202;30.000
p48=-98.500;29.847
p49=-99.000;29.618
p50=-99.403;29.500
p51=-99.500;29.473
p52=-100.000;29.398
p53=-100.500;29.364
p54=-101.000;29.429
p55=-101.356;29.500
p56=-101.500;29.530
p57=-102.000;29.711
p58=-102.500;29.948
p59=-102.592;30.000
p60=-103.000;30.279
p61=-103.252;30.500
p62=-103.500;30.733
p63=-103.772;31.000
p64=-104.000;31.264
p65=-104.160;31.500
p66=-104.464;32.000
p67=-104.500;32.066
p68=-104.723;32.500
p69=-104.916;33.000
p70=-105.000;33.253
p71=-105.068;33.500
p72=-105.147;34.000
p73=-105.220;34.500
p74=-105.214;35.000
p75=-105.202;35.500
p76=-105.081;36.000
p77=-105.000;36.355

[C5]

gain=-10.00
n_point=85
p1=-105.500;36.534
p2=-105.289;37.000
p3=-105.088;37.500

p4=-105.000;37.643
p5=-104.711;38.000
p6=-104.500;38.267
p7=-104.308;38.500
p8=-104.000;38.754
p9=-103.613;39.000
p10=-103.500;39.077
p11=-103.000;39.364
p12=-102.691;39.500
p13=-102.500;39.560
p14=-102.000;39.661
p15=-101.500;39.733
p16=-101.000;39.737
p17=-100.500;39.719
p18=-100.000;39.629
p19=-99.500;39.526
p20=-99.431;39.500
p21=-99.000;39.290
p22=-98.500;39.046
p23=-98.437;39.000
p24=-98.000;38.692
p25=-97.720;38.500
p26=-97.500;38.311
p27=-97.241;38.000
p28=-97.000;37.715
p29=-96.819;37.500
p30=-96.500;37.039
p31=-96.481;37.000
p32=-96.241;36.500
p33=-96.056;36.000
p34=-96.000;35.834
p35=-95.896;35.500
p36=-95.800;35.000
p37=-95.720;34.500
p38=-95.712;34.000
p39=-95.716;33.500
p40=-95.804;33.000
p41=-95.901;32.500
p42=-96.000;32.213
p43=-96.080;32.000
p44=-96.289;31.500
p45=-96.500;31.103
p46=-96.571;31.000
p47=-96.965;30.500
p48=-97.000;30.461
p49=-97.458;30.000
p50=-97.500;29.965
p51=-98.000;29.599
p52=-98.185;29.500
p53=-98.500;29.340
p54=-99.000;29.114
p55=-99.378;29.000
p56=-99.500;28.972
p57=-100.000;28.912
p58=-100.500;28.881
p59=-101.000;28.930
p60=-101.428;29.000

p61=-101.500;29.015
p62=-102.000;29.189
p63=-102.500;29.426
p64=-102.638;29.500
p65=-103.000;29.705
p66=-103.392;30.000
p67=-103.500;30.095
p68=-103.941;30.500
p69=-104.000;30.559
p70=-104.348;31.000
p71=-104.500;31.219
p72=-104.691;31.500
p73=-105.000;31.997
p74=-105.002;32.000
p75=-105.204;32.500
p76=-105.372;33.000
p77=-105.500;33.403
p78=-105.528;33.500
p79=-105.615;34.000
p80=-105.688;34.500
p81=-105.693;35.000
p82=-105.692;35.500
p83=-105.603;36.000
p84=-105.512;36.500
p85=-105.500;36.534

[C6]

gain=-15.00
n_point=101
p1=-106.500;36.552
p2=-106.344;37.000
p3=-106.194;37.500
p4=-106.000;37.923
p5=-105.955;38.000
p6=-105.674;38.500
p7=-105.500;38.693
p8=-105.227;39.000
p9=-105.000;39.273
p10=-104.766;39.500
p11=-104.500;39.681
p12=-104.000;39.985
p13=-103.972;40.000
p14=-103.500;40.270
p15=-103.000;40.481
p16=-102.951;40.500
p17=-102.500;40.618
p18=-102.000;40.686
p19=-101.500;40.751
p20=-101.000;40.746
p21=-100.500;40.737
p22=-100.000;40.656
p23=-99.500;40.573
p24=-99.270;40.500
p25=-99.000;40.383
p26=-98.500;40.168
p27=-98.231;40.000
p28=-98.000;39.863

p29=-97.500;39.572
p30=-97.410;39.500
p31=-97.000;39.086
p32=-96.916;39.000
p33=-96.500;38.599
p34=-96.423;38.500
p35=-96.101;38.000
p36=-96.000;37.845
p37=-95.790;37.500
p38=-95.534;37.000
p39=-95.500;36.932
p40=-95.340;36.500
p41=-95.193;36.000
p42=-95.053;35.500
p43=-95.000;35.191
p44=-94.977;35.000
p45=-94.923;34.500
p46=-94.918;34.000
p47=-94.920;33.500
p48=-94.981;33.000
p49=-95.000;32.860
p50=-95.063;32.500
p51=-95.218;32.000
p52=-95.383;31.500
p53=-95.500;31.221
p54=-95.624;31.000
p55=-95.943;30.500
p56=-96.000;30.420
p57=-96.308;30.000
p58=-96.500;29.783
p59=-96.808;29.500
p60=-97.000;29.319
p61=-97.376;29.000
p62=-97.500;28.925
p63=-98.000;28.626
p64=-98.293;28.500
p65=-98.500;28.413
p66=-99.000;28.219
p67=-99.500;28.073
p68=-99.941;28.000
p69=-100.000;27.992
p70=-100.500;27.946
p71=-101.000;27.965
p72=-101.303;28.000
p73=-101.500;28.026
p74=-102.000;28.137
p75=-102.500;28.318
p76=-102.901;28.500
p77=-103.000;28.545
p78=-103.500;28.854
p79=-103.693;29.000
p80=-104.000;29.243
p81=-104.270;29.500
p82=-104.500;29.733
p83=-104.728;30.000
p84=-105.000;30.341
p85=-105.109;30.500

p86=-105.426;31.000
p87=-105.500;31.130
p88=-105.689;31.500
p89=-105.932;32.000
p90=-106.000;32.145
p91=-106.127;32.500
p92=-106.268;33.000
p93=-106.395;33.500
p94=-106.488;34.000
p95=-106.500;34.071
p96=-106.564;34.500
p97=-106.588;35.000
p98=-106.608;35.500
p99=-106.571;36.000
p100=-106.513;36.500
p101=-106.500;36.552

[C7]

gain=-20.00
n_point=111
p1=-107.000;37.343
p2=-106.966;37.500
p3=-106.773;38.000
p4=-106.545;38.500
p5=-106.500;38.576
p6=-106.226;39.000
p7=-106.000;39.308
p8=-105.844;39.500
p9=-105.500;39.818
p10=-105.268;40.000
p11=-105.000;40.206
p12=-104.641;40.500
p13=-104.500;40.571
p14=-104.000;40.768
p15=-103.510;41.000
p16=-103.500;41.005
p17=-103.000;41.155
p18=-102.500;41.326
p19=-102.000;41.412
p20=-101.500;41.494
p21=-101.000;41.498
p22=-100.500;41.490
p23=-100.000;41.412
p24=-99.500;41.323
p25=-99.000;41.175
p26=-98.500;41.016
p27=-98.459;41.000
p28=-98.000;40.793
p29=-97.520;40.500
p30=-97.500;40.487
p31=-97.000;40.088
p32=-96.889;40.000
p33=-96.500;39.668
p34=-96.363;39.500
p35=-96.000;39.018
p36=-95.986;39.000
p37=-95.619;38.500

p38=-95.500;38.307
p39=-95.361;38.000
p40=-95.122;37.500
p41=-95.000;37.206
p42=-94.927;37.000
p43=-94.787;36.500
p44=-94.673;36.000
p45=-94.537;35.500
p46=-94.500;35.287
p47=-94.463;35.000
p48=-94.403;34.500
p49=-94.391;34.000
p50=-94.387;33.500
p51=-94.436;33.000
p52=-94.493;32.500
p53=-94.500;32.465
p54=-94.622;32.000
p55=-94.772;31.500
p56=-94.998;31.000
p57=-95.000;30.997
p58=-95.268;30.500
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p63=-96.466;29.000
p64=-96.500;28.976
p65=-97.000;28.652
p66=-97.221;28.500
p67=-97.500;28.291
p68=-97.916;28.000
p69=-98.000;27.950
p70=-98.500;27.745
p71=-99.000;27.532
p72=-99.097;27.500
p73=-99.500;27.314
p74=-100.000;27.169
p75=-100.500;27.045
p76=-100.835;27.000
p77=-101.000;26.966
p78=-101.500;26.909
p79=-102.000;26.875
p80=-102.500;26.936
p81=-102.753;27.000
p82=-103.000;27.045
p83=-103.500;27.230
p84=-103.877;27.500
p85=-104.000;27.576
p86=-104.380;28.000
p87=-104.500;28.105
p88=-104.864;28.500
p89=-105.000;28.682
p90=-105.163;29.000
p91=-105.489;29.500
p92=-105.500;29.517
p93=-105.773;30.000
p94=-106.000;30.430

p95=-106.030;30.500
p96=-106.233;31.000
p97=-106.435;31.500
p98=-106.500;31.672
p99=-106.610;32.000
p100=-106.759;32.500
p101=-106.906;33.000
p102=-107.000;33.276
p103=-107.044;33.500
p104=-107.093;34.000
p105=-107.142;34.500
p106=-107.174;35.000
p107=-107.211;35.500
p108=-107.201;36.000
p109=-107.163;36.500
p110=-107.063;37.000
p111=-107.000;37.343