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

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beam_id=RD16
emi_rcp=E
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-86.077;39.545

[C1]
gain=-2.00
n_point=47
p1=-83.500;41.124
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p8=-83.806;38.500
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p18=-86.899;37.000
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p21=-87.853;37.500
p22=-88.000;37.683
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p31=-88.024;41.000
p32=-88.000;41.040
p33=-87.647;41.500

p34=-87.500;41.649
p35=-87.048;42.000
p36=-87.000;42.032
p37=-86.500;42.302
p38=-86.000;42.435
p39=-85.633;42.500
p40=-85.500;42.523
p41=-85.360;42.500
p42=-85.000;42.435
p43=-84.500;42.290
p44=-84.083;42.000
p45=-84.000;41.924
p46=-83.671;41.500
p47=-83.500;41.124

[C2]

gain=-4.00
n_point=63
p1=-82.500;42.061
p2=-82.473;42.000
p3=-82.332;41.500
p4=-82.237;41.000
p5=-82.198;40.500
p6=-82.251;40.000
p7=-82.334;39.500
p8=-82.487;39.000
p9=-82.500;38.960
p10=-82.677;38.500
p11=-82.983;38.000
p12=-83.000;37.974
p13=-83.294;37.500
p14=-83.500;37.267
p15=-83.802;37.000
p16=-84.000;36.813
p17=-84.361;36.500
p18=-84.500;36.413
p19=-85.000;36.179
p20=-85.456;36.000
p21=-85.500;35.983
p22=-86.000;35.884
p23=-86.500;35.828
p24=-87.000;35.897
p25=-87.500;35.997
p26=-87.506;36.000
p27=-88.000;36.259
p28=-88.388;36.500
p29=-88.500;36.603
p30=-88.823;37.000
p31=-89.000;37.226
p32=-89.166;37.500
p33=-89.340;38.000
p34=-89.495;38.500
p35=-89.500;38.574
p36=-89.528;39.000
p37=-89.556;39.500
p38=-89.500;39.824
p39=-89.467;40.000

p40=-89.374;40.500
p41=-89.170;41.000
p42=-89.000;41.387
p43=-88.940;41.500
p44=-88.594;42.000
p45=-88.500;42.126
p46=-88.145;42.500
p47=-88.000;42.633
p48=-87.583;43.000
p49=-87.500;43.063
p50=-87.000;43.304
p51=-86.597;43.500
p52=-86.500;43.548
p53=-86.000;43.660
p54=-85.500;43.758
p55=-85.000;43.736
p56=-84.500;43.674
p57=-84.041;43.500
p58=-84.000;43.484
p59=-83.500;43.250
p60=-83.178;43.000
p61=-83.000;42.784
p62=-82.781;42.500
p63=-82.500;42.061

[C3]

gain=-6.00
n_point=75
p1=-81.500;42.002
p2=-81.499;42.000
p3=-81.431;41.500
p4=-81.390;41.000
p5=-81.395;40.500
p6=-81.455;40.000
p7=-81.500;39.738
p8=-81.543;39.500
p9=-81.701;39.000
p10=-81.880;38.500
p11=-82.000;38.270
p12=-82.140;38.000
p13=-82.408;37.500
p14=-82.500;37.373
p15=-82.820;37.000
p16=-83.000;36.778
p17=-83.249;36.500
p18=-83.500;36.289
p19=-83.884;36.000
p20=-84.000;35.910
p21=-84.500;35.594
p22=-84.675;35.500
p23=-85.000;35.365
p24=-85.500;35.220
p25=-86.000;35.123
p26=-86.500;35.082
p27=-87.000;35.116
p28=-87.500;35.190
p29=-88.000;35.371

p30=-88.313;35.500
p31=-88.500;35.608
p32=-88.956;36.000
p33=-89.000;36.038
p34=-89.440;36.500
p35=-89.500;36.592
p36=-89.732;37.000
p37=-90.000;37.482
p38=-90.008;37.500
p39=-90.132;38.000
p40=-90.244;38.500
p41=-90.267;39.000
p42=-90.285;39.500
p43=-90.213;40.000
p44=-90.139;40.500
p45=-90.000;40.937
p46=-89.976;41.000
p47=-89.779;41.500
p48=-89.520;42.000
p49=-89.500;42.036
p50=-89.179;42.500
p51=-89.000;42.724
p52=-88.769;43.000
p53=-88.500;43.284
p54=-88.217;43.500
p55=-88.000;43.666
p56=-87.572;44.000
p57=-87.500;44.043
p58=-87.000;44.247
p59=-86.500;44.435
p60=-86.231;44.500
p61=-86.000;44.559
p62=-85.500;44.636
p63=-85.000;44.663
p64=-84.500;44.619
p65=-84.000;44.531
p66=-83.913;44.500
p67=-83.500;44.349
p68=-83.000;44.113
p69=-82.835;44.000
p70=-82.500;43.694
p71=-82.331;43.500
p72=-82.000;43.104
p73=-81.923;43.000
p74=-81.693;42.500
p75=-81.500;42.002

[C4]

gain=-8.00
n_point=85
p1=-81.000;42.798
p2=-80.920;42.500
p3=-80.784;42.000
p4=-80.739;41.500
p5=-80.719;41.000
p6=-80.741;40.500
p7=-80.808;40.000

p8=-80.907;39.500
p9=-81.000;39.191
p10=-81.063;39.000
p11=-81.234;38.500
p12=-81.452;38.000
p13=-81.500;37.901
p14=-81.732;37.500
p15=-82.000;37.109
p16=-82.080;37.000
p17=-82.455;36.500
p18=-82.500;36.453
p19=-82.958;36.000
p20=-83.000;35.957
p21=-83.500;35.541
p22=-83.552;35.500
p23=-84.000;35.215
p24=-84.443;35.000
p25=-84.500;34.973
p26=-85.000;34.751
p27=-85.500;34.603
p28=-85.941;34.500
p29=-86.000;34.490
p30=-86.500;34.460
p31=-87.000;34.474
p32=-87.227;34.500
p33=-87.500;34.544
p34=-88.000;34.718
p35=-88.500;34.919
p36=-88.623;35.000
p37=-89.000;35.249
p38=-89.346;35.500
p39=-89.500;35.654
p40=-89.783;36.000
p41=-90.000;36.267
p42=-90.153;36.500
p43=-90.384;37.000
p44=-90.500;37.267
p45=-90.597;37.500
p46=-90.719;38.000
p47=-90.826;38.500
p48=-90.849;39.000
p49=-90.866;39.500
p50=-90.797;40.000
p51=-90.731;40.500
p52=-90.589;41.000
p53=-90.500;41.313
p54=-90.437;41.500
p55=-90.196;42.000
p56=-90.000;42.370
p57=-89.925;42.500
p58=-89.602;43.000
p59=-89.500;43.140
p60=-89.157;43.500
p61=-89.000;43.663
p62=-88.684;44.000
p63=-88.500;44.151
p64=-88.000;44.460

p65=-87.933;44.500
p66=-87.500;44.765
p67=-87.016;45.000
p68=-87.000;45.007
p69=-86.500;45.168
p70=-86.000;45.302
p71=-85.500;45.371
p72=-85.000;45.429
p73=-84.500;45.392
p74=-84.000;45.351
p75=-83.500;45.199
p76=-83.000;45.044
p77=-82.922;45.000
p78=-82.500;44.716
p79=-82.180;44.500
p80=-82.000;44.363
p81=-81.667;44.000
p82=-81.500;43.759
p83=-81.345;43.500
p84=-81.058;43.000
p85=-81.000;42.798

[C5]

gain=-10.00
n_point=93
p1=-80.500;43.287
p2=-80.381;43.000
p3=-80.283;42.500
p4=-80.191;42.000
p5=-80.168;41.500
p6=-80.157;41.000
p7=-80.191;40.500
p8=-80.272;40.000
p9=-80.378;39.500
p10=-80.500;39.038
p11=-80.512;39.000
p12=-80.683;38.500
p13=-80.917;38.000
p14=-81.000;37.827
p15=-81.159;37.500
p16=-81.472;37.000
p17=-81.500;36.956
p18=-81.816;36.500
p19=-82.000;36.275
p20=-82.264;36.000
p21=-82.500;35.761
p22=-82.758;35.500
p23=-83.000;35.300
p24=-83.451;35.000
p25=-83.500;34.968
p26=-84.000;34.648
p27=-84.301;34.500
p28=-84.500;34.423
p29=-85.000;34.239
p30=-85.500;34.127
p31=-86.000;34.031
p32=-86.500;34.005

p33=-87.000;34.016
p34=-87.500;34.080
p35=-88.000;34.206
p36=-88.500;34.356
p37=-88.801;34.500
p38=-89.000;34.633
p39=-89.500;34.994
p40=-89.507;35.000
p41=-90.000;35.455
p42=-90.042;35.500
p43=-90.384;36.000
p44=-90.500;36.173
p45=-90.704;36.500
p46=-90.933;37.000
p47=-91.000;37.151
p48=-91.110;37.500
p49=-91.202;38.000
p50=-91.287;38.500
p51=-91.310;39.000
p52=-91.328;39.500
p53=-91.276;40.000
p54=-91.222;40.500
p55=-91.097;41.000
p56=-91.000;41.371
p57=-90.961;41.500
p58=-90.752;42.000
p59=-90.534;42.500
p60=-90.500;42.569
p61=-90.229;43.000
p62=-90.000;43.312
p63=-89.860;43.500
p64=-89.500;44.000
p65=-89.500;44.000
p66=-89.000;44.401
p67=-88.880;44.500
p68=-88.500;44.823
p69=-88.239;45.000
p70=-88.000;45.138
p71=-87.500;45.395
p72=-87.266;45.500
p73=-87.000;45.613
p74=-86.500;45.767
p75=-86.000;45.916
p76=-85.500;45.980
p77=-85.345;46.000
p78=-85.000;46.045
p79=-84.500;46.024
p80=-84.144;46.000
p81=-84.000;45.990
p82=-83.500;45.881
p83=-83.000;45.744
p84=-82.500;45.534
p85=-82.431;45.500
p86=-82.000;45.245
p87=-81.704;45.000
p88=-81.500;44.798
p89=-81.204;44.500

p90=-81.000;44.267
p91=-80.834;44.000
p92=-80.608;43.500
p93=-80.500;43.287

[C6]

gain=-15.00
n_point=109
p1=-79.500;44.149
p2=-79.440;44.000
p3=-79.298;43.500
p4=-79.176;43.000
p5=-79.133;42.500
p6=-79.077;42.000
p7=-79.084;41.500
p8=-79.089;41.000
p9=-79.136;40.500
p10=-79.219;40.000
p11=-79.326;39.500
p12=-79.445;39.000
p13=-79.500;38.788
p14=-79.588;38.500
p15=-79.787;38.000
p16=-79.992;37.500
p17=-80.000;37.484
p18=-80.248;37.000
p19=-80.500;36.540
p20=-80.524;36.500
p21=-80.864;36.000
p22=-81.000;35.818
p23=-81.258;35.500
p24=-81.500;35.238
p25=-81.738;35.000
p26=-82.000;34.755
p27=-82.312;34.500
p28=-82.500;34.363
p29=-83.000;34.043
p30=-83.079;34.000
p31=-83.500;33.779
p32=-84.000;33.551
p33=-84.134;33.500
p34=-84.500;33.385
p35=-85.000;33.256
p36=-85.500;33.173
p37=-86.000;33.106
p38=-86.500;33.098
p39=-87.000;33.107
p40=-87.500;33.169
p41=-88.000;33.263
p42=-88.500;33.382
p43=-88.853;33.500
p44=-89.000;33.575
p45=-89.500;33.846
p46=-89.702;34.000
p47=-90.000;34.216
p48=-90.367;34.500
p49=-90.500;34.644

p50=-90.790;35.000
p51=-91.000;35.245
p52=-91.170;35.500
p53=-91.426;36.000
p54=-91.500;36.147
p55=-91.675;36.500
p56=-91.852;37.000
p57=-92.000;37.440
p58=-92.013;37.500
p59=-92.082;38.000
p60=-92.152;38.500
p61=-92.176;39.000
p62=-92.199;39.500
p63=-92.167;40.000
p64=-92.135;40.500
p65=-92.049;41.000
p66=-92.000;41.265
p67=-91.949;41.500
p68=-91.797;42.000
p69=-91.631;42.500
p70=-91.500;42.830
p71=-91.417;43.000
p72=-91.133;43.500
p73=-91.000;43.728
p74=-90.838;44.000
p75=-90.500;44.454
p76=-90.456;44.500
p77=-90.000;44.991
p78=-89.992;45.000
p79=-89.500;45.446
p80=-89.427;45.500
p81=-89.000;45.806
p82=-88.710;46.000
p83=-88.500;46.135
p84=-88.000;46.433
p85=-87.861;46.500
p86=-87.500;46.634
p87=-87.000;46.820
p88=-86.500;46.947
p89=-86.291;47.000
p90=-86.000;47.075
p91=-85.500;47.157
p92=-85.000;47.213
p93=-84.500;47.241
p94=-84.000;47.217
p95=-83.500;47.182
p96=-83.000;47.073
p97=-82.650;47.000
p98=-82.500;46.967
p99=-82.000;46.771
p100=-81.500;46.580
p101=-81.364;46.500
p102=-81.000;46.189
p103=-80.768;46.000
p104=-80.500;45.780
p105=-80.248;45.500
p106=-80.000;45.143

p107=-79.914;45.000
p108=-79.648;44.500
p109=-79.500;44.149

[C7]

gain=-20.00
n_point=123
p1=-78.500;43.850
p2=-78.436;43.500
p3=-78.371;43.000
p4=-78.350;42.500
p5=-78.304;42.000
p6=-78.336;41.500
p7=-78.350;41.000
p8=-78.391;40.500
p9=-78.438;40.000
p10=-78.500;39.542
p11=-78.506;39.500
p12=-78.591;39.000
p13=-78.685;38.500
p14=-78.778;38.000
p15=-78.891;37.500
p16=-79.000;37.176
p17=-79.051;37.000
p18=-79.186;36.500
p19=-79.307;36.000
p20=-79.485;35.500
p21=-79.500;35.456
p22=-79.668;35.000
p23=-79.926;34.500
p24=-80.000;34.373
p25=-80.245;34.000
p26=-80.500;33.673
p27=-80.681;33.500
p28=-81.000;33.217
p29=-81.366;33.000
p30=-81.500;32.931
p31=-82.000;32.764
p32=-82.500;32.696
p33=-83.000;32.627
p34=-83.500;32.583
p35=-84.000;32.521
p36=-84.197;32.500
p37=-84.500;32.465
p38=-85.000;32.422
p39=-85.500;32.410
p40=-86.000;32.409
p41=-86.500;32.441
p42=-87.000;32.473
p43=-87.190;32.500
p44=-87.500;32.561
p45=-88.000;32.665
p46=-88.500;32.790
p47=-89.000;32.945
p48=-89.146;33.000
p49=-89.500;33.141
p50=-90.000;33.385

p51=-90.201;33.500
p52=-90.500;33.740
p53=-90.779;34.000
p54=-91.000;34.206
p55=-91.266;34.500
p56=-91.500;34.835
p57=-91.607;35.000
p58=-91.925;35.500
p59=-92.000;35.636
p60=-92.140;36.000
p61=-92.291;36.500
p62=-92.429;37.000
p63=-92.500;37.253
p64=-92.562;37.500
p65=-92.622;38.000
p66=-92.666;38.500
p67=-92.713;39.000
p68=-92.776;39.500
p69=-92.782;40.000
p70=-92.793;40.500
p71=-92.754;41.000
p72=-92.706;41.500
p73=-92.606;42.000
p74=-92.500;42.354
p75=-92.462;42.500
p76=-92.323;43.000
p77=-92.155;43.500
p78=-92.000;43.888
p79=-91.947;44.000
p80=-91.650;44.500
p81=-91.500;44.660
p82=-91.261;45.000
p83=-91.000;45.384
p84=-90.899;45.500
p85=-90.500;45.859
p86=-90.331;46.000
p87=-90.000;46.266
p88=-89.699;46.500
p89=-89.500;46.640
p90=-89.000;46.899
p91=-88.796;47.000
p92=-88.500;47.141
p93=-88.000;47.359
p94=-87.641;47.500
p95=-87.500;47.550
p96=-87.000;47.700
p97=-86.500;47.804
p98=-86.000;47.895
p99=-85.500;47.974
p100=-85.251;48.000
p101=-85.000;48.020
p102=-84.500;48.061
p103=-84.000;48.060
p104=-83.500;48.058
p105=-83.000;48.025
p106=-82.760;48.000
p107=-82.500;47.961

p108=-82.000;47.845
p109=-81.500;47.668
p110=-81.125;47.500
p111=-81.000;47.441
p112=-80.500;47.157
p113=-80.246;47.000
p114=-80.000;46.805
p115=-79.717;46.500
p116=-79.500;46.249
p117=-79.308;46.000
p118=-79.010;45.500
p119=-79.000;45.476
p120=-78.805;45.000
p121=-78.629;44.500
p122=-78.527;44.000
p123=-78.500;43.850