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sat_name=SKYTERRA-2
long_nom=-95.000
n_diag=1

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

[B1]
gain=0.00
p=-84.032;34.556

[C1]
gain=-2.00
n_point=41
p1=-81.500;35.536
p2=-81.481;35.500
p3=-81.392;35.000
p4=-81.353;34.500
p5=-81.433;34.000
p6=-81.500;33.722
p7=-81.574;33.500
p8=-81.891;33.000
p9=-82.000;32.854
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p17=-85.000;31.820
p18=-85.344;32.000
p19=-85.500;32.108
p20=-85.897;32.500
p21=-86.000;32.664
p22=-86.133;33.000
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p28=-85.755;35.500
p29=-85.500;35.809
p30=-85.284;36.000
p31=-85.000;36.250
p32=-84.664;36.500
p33=-84.500;36.587

p34=-84.000;36.721
p35=-83.500;36.799
p36=-83.000;36.756
p37=-82.500;36.616
p38=-82.266;36.500
p39=-82.000;36.294
p40=-81.779;36.000
p41=-81.500;35.536

[C2]

gain=-4.00
n_point=57
p1=-80.500;35.990
p2=-80.363;35.500
p3=-80.335;35.000
p4=-80.341;34.500
p5=-80.421;34.000
p6=-80.500;33.710
p7=-80.573;33.500
p8=-80.812;33.000
p9=-81.000;32.657
p10=-81.097;32.500
p11=-81.479;32.000
p12=-81.500;31.978
p13=-82.000;31.500
p14=-82.000;31.500
p15=-82.500;31.163
p16=-82.795;31.000
p17=-83.000;30.907
p18=-83.500;30.757
p19=-84.000;30.681
p20=-84.500;30.660
p21=-85.000;30.756
p22=-85.500;30.896
p23=-85.697;31.000
p24=-86.000;31.199
p25=-86.347;31.500
p26=-86.500;31.675
p27=-86.746;32.000
p28=-87.000;32.431
p29=-87.029;32.500
p30=-87.138;33.000
p31=-87.220;33.500
p32=-87.193;34.000
p33=-87.153;34.500
p34=-87.000;34.979
p35=-86.992;35.000
p36=-86.811;35.500
p37=-86.531;36.000
p38=-86.500;36.056
p39=-86.159;36.500
p40=-86.000;36.646
p41=-85.620;37.000
p42=-85.500;37.112
p43=-85.000;37.423
p44=-84.875;37.500
p45=-84.500;37.669

p46=-84.000;37.781
p47=-83.500;37.880
p48=-83.000;37.860
p49=-82.500;37.821
p50=-82.000;37.645
p51=-81.666;37.500
p52=-81.500;37.392
p53=-81.089;37.000
p54=-81.000;36.912
p55=-80.700;36.500
p56=-80.503;36.000
p57=-80.500;35.990

[C3]

gain=-6.00
n_point=69
p1=-80.000;36.994
p2=-79.771;36.500
p3=-79.653;36.000
p4=-79.567;35.500
p5=-79.558;35.000
p6=-79.586;34.500
p7=-79.698;34.000
p8=-79.846;33.500
p9=-80.000;33.080
p10=-80.032;33.000
p11=-80.293;32.500
p12=-80.500;32.165
p13=-80.608;32.000
p14=-80.988;31.500
p15=-81.000;31.486
p16=-81.500;31.015
p17=-81.517;31.000
p18=-82.000;30.637
p19=-82.254;30.500
p20=-82.500;30.375
p21=-83.000;30.141
p22=-83.500;30.006
p23=-83.536;30.000
p24=-84.000;29.937
p25=-84.500;29.929
p26=-85.000;29.987
p27=-85.073;30.000
p28=-85.500;30.101
p29=-86.000;30.349
p30=-86.257;30.500
p31=-86.500;30.663
p32=-86.900;31.000
p33=-87.000;31.103
p34=-87.283;31.500
p35=-87.500;31.902
p36=-87.547;32.000
p37=-87.737;32.500
p38=-87.831;33.000
p39=-87.898;33.500
p40=-87.865;34.000
p41=-87.824;34.500

p42=-87.694;35.000
p43=-87.564;35.500
p44=-87.500;35.651
p45=-87.299;36.000
p46=-87.013;36.500
p47=-87.000;36.517
p48=-86.617;37.000
p49=-86.500;37.146
p50=-86.138;37.500
p51=-86.000;37.608
p52=-85.500;37.961
p53=-85.425;38.000
p54=-85.000;38.233
p55=-84.500;38.466
p56=-84.386;38.500
p57=-84.000;38.590
p58=-83.500;38.669
p59=-83.000;38.682
p60=-82.500;38.658
p61=-82.000;38.552
p62=-81.809;38.500
p63=-81.500;38.389
p64=-81.000;38.067
p65=-80.905;38.000
p66=-80.500;37.681
p67=-80.336;37.500
p68=-80.004;37.000
p69=-80.000;36.994

[C4]

gain=-8.00
n_point=79
p1=-79.000;36.213
p2=-78.975;36.000
p3=-78.939;35.500
p4=-78.959;35.000
p5=-79.000;34.590
p6=-79.009;34.500
p7=-79.108;34.000
p8=-79.245;33.500
p9=-79.425;33.000
p10=-79.500;32.833
p11=-79.659;32.500
p12=-79.912;32.000
p13=-80.000;31.860
p14=-80.279;31.500
p15=-80.500;31.222
p16=-80.684;31.000
p17=-81.000;30.689
p18=-81.238;30.500
p19=-81.500;30.294
p20=-81.909;30.000
p21=-82.000;29.948
p22=-82.500;29.733
p23=-83.000;29.543
p24=-83.210;29.500
p25=-83.500;29.445

p26=-84.000;29.375
p27=-84.500;29.377
p28=-85.000;29.430
p29=-85.370;29.500
p30=-85.500;29.526
p31=-86.000;29.718
p32=-86.500;29.941
p33=-86.597;30.000
p34=-87.000;30.315
p35=-87.192;30.500
p36=-87.500;30.838
p37=-87.635;31.000
p38=-87.962;31.500
p39=-88.000;31.579
p40=-88.158;32.000
p41=-88.313;32.500
p42=-88.392;33.000
p43=-88.453;33.500
p44=-88.422;34.000
p45=-88.381;34.500
p46=-88.244;35.000
p47=-88.101;35.500
p48=-88.000;35.740
p49=-87.885;36.000
p50=-87.655;36.500
p51=-87.500;36.753
p52=-87.310;37.000
p53=-87.000;37.424
p54=-86.939;37.500
p55=-86.500;37.924
p56=-86.405;38.000
p57=-86.000;38.343
p58=-85.784;38.500
p59=-85.500;38.658
p60=-85.000;38.893
p61=-84.705;39.000
p62=-84.500;39.074
p63=-84.000;39.217
p64=-83.500;39.297
p65=-83.000;39.335
p66=-82.500;39.309
p67=-82.000;39.232
p68=-81.500;39.097
p69=-81.259;39.000
p70=-81.000;38.885
p71=-80.500;38.624
p72=-80.333;38.500
p73=-80.000;38.161
p74=-79.852;38.000
p75=-79.500;37.552
p76=-79.468;37.500
p77=-79.248;37.000
p78=-79.046;36.500
p79=-79.000;36.213

[C5]

gain=-10.00

n_point=87
p1=-78.500;36.459
p2=-78.446;36.000
p3=-78.418;35.500
p4=-78.435;35.000
p5=-78.480;34.500
p6=-78.500;34.401
p7=-78.602;34.000
p8=-78.746;33.500
p9=-78.904;33.000
p10=-79.000;32.738
p11=-79.107;32.500
p12=-79.371;32.000
p13=-79.500;31.783
p14=-79.677;31.500
p15=-80.000;31.023
p16=-80.018;31.000
p17=-80.476;30.500
p18=-80.500;30.474
p19=-81.000;30.009
p20=-81.011;30.000
p21=-81.500;29.667
p22=-81.797;29.500
p23=-82.000;29.391
p24=-82.500;29.182
p25=-83.000;29.012
p26=-83.061;29.000
p27=-83.500;28.929
p28=-84.000;28.873
p29=-84.500;28.886
p30=-85.000;28.930
p31=-85.422;29.000
p32=-85.500;29.017
p33=-86.000;29.202
p34=-86.500;29.416
p35=-86.638;29.500
p36=-87.000;29.727
p37=-87.375;30.000
p38=-87.500;30.121
p39=-87.863;30.500
p40=-88.000;30.663
p41=-88.212;31.000
p42=-88.470;31.500
p43=-88.500;31.577
p44=-88.640;32.000
p45=-88.770;32.500
p46=-88.828;33.000
p47=-88.869;33.500
p48=-88.836;34.000
p49=-88.797;34.500
p50=-88.691;35.000
p51=-88.575;35.500
p52=-88.500;35.717
p53=-88.371;36.000
p54=-88.150;36.500
p55=-88.000;36.775
p56=-87.860;37.000

p57=-87.547;37.500
p58=-87.500;37.559
p59=-87.100;38.000
p60=-87.000;38.117
p61=-86.610;38.500
p62=-86.500;38.586
p63=-86.000;38.936
p64=-85.887;39.000
p65=-85.500;39.221
p66=-85.000;39.484
p67=-84.957;39.500
p68=-84.500;39.631
p69=-84.000;39.759
p70=-83.500;39.822
p71=-83.000;39.869
p72=-82.500;39.847
p73=-82.000;39.805
p74=-81.500;39.692
p75=-81.000;39.550
p76=-80.879;39.500
p77=-80.500;39.304
p78=-80.033;39.000
p79=-80.000;38.976
p80=-79.500;38.573
p81=-79.431;38.500
p82=-79.091;38.000
p83=-79.000;37.852
p84=-78.809;37.500
p85=-78.636;37.000
p86=-78.505;36.500
p87=-78.500;36.459

[C6]

gain=-15.00
n_point=103
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p2=-77.472;37.000
p3=-77.418;36.500
p4=-77.405;36.000
p5=-77.415;35.500
p6=-77.445;35.000
p7=-77.500;34.609
p8=-77.521;34.500
p9=-77.643;34.000
p10=-77.765;33.500
p11=-77.889;33.000
p12=-78.000;32.634
p13=-78.052;32.500
p14=-78.255;32.000
p15=-78.470;31.500
p16=-78.500;31.434
p17=-78.718;31.000
p18=-79.000;30.500
p19=-79.000;30.500
p20=-79.333;30.000
p21=-79.500;29.770
p22=-79.733;29.500

p23=-80.000;29.213
p24=-80.238;29.000
p25=-80.500;28.776
p26=-80.938;28.500
p27=-81.000;28.461
p28=-81.500;28.202
p29=-82.000;28.043
p30=-82.175;28.000
p31=-82.500;27.924
p32=-83.000;27.866
p33=-83.500;27.849
p34=-84.000;27.860
p35=-84.500;27.921
p36=-85.000;27.993
p37=-85.028;28.000
p38=-85.500;28.123
p39=-86.000;28.285
p40=-86.500;28.450
p41=-86.612;28.500
p42=-87.000;28.697
p43=-87.500;28.949
p44=-87.590;29.000
p45=-88.000;29.335
p46=-88.179;29.500
p47=-88.500;29.824
p48=-88.665;30.000
p49=-89.000;30.473
p50=-89.016;30.500
p51=-89.261;31.000
p52=-89.458;31.500
p53=-89.500;31.648
p54=-89.582;32.000
p55=-89.662;32.500
p56=-89.688;33.000
p57=-89.700;33.500
p58=-89.656;34.000
p59=-89.607;34.500
p60=-89.516;35.000
p61=-89.500;35.082
p62=-89.392;35.500
p63=-89.229;36.000
p64=-89.076;36.500
p65=-89.000;36.708
p66=-88.859;37.000
p67=-88.617;37.500
p68=-88.500;37.709
p69=-88.312;38.000
p70=-88.000;38.482
p71=-87.986;38.500
p72=-87.529;39.000
p73=-87.500;39.030
p74=-87.020;39.500
p75=-87.000;39.518
p76=-86.500;39.864
p77=-86.283;40.000
p78=-86.000;40.168
p79=-85.500;40.392

p80=-85.252;40.500
p81=-85.000;40.596
p82=-84.500;40.716
p83=-84.000;40.819
p84=-83.500;40.869
p85=-83.000;40.905
p86=-82.500;40.891
p87=-82.000;40.863
p88=-81.500;40.783
p89=-81.000;40.691
p90=-80.500;40.543
p91=-80.363;40.500
p92=-80.000;40.353
p93=-79.500;40.081
p94=-79.353;40.000
p95=-79.000;39.759
p96=-78.704;39.500
p97=-78.500;39.288
p98=-78.255;39.000
p99=-78.000;38.600
p100=-77.943;38.500
p101=-77.716;38.000
p102=-77.562;37.500
p103=-77.500;37.168

[C7]

gain=-20.00
n_point=119
p1=-77.000;39.192
p2=-76.902;39.000
p3=-76.766;38.500
p4=-76.648;38.000
p5=-76.597;37.500
p6=-76.591;37.000
p7=-76.617;36.500
p8=-76.654;36.000
p9=-76.705;35.500
p10=-76.764;35.000
p11=-76.871;34.500
p12=-76.941;34.000
p13=-77.000;33.571
p14=-77.014;33.500
p15=-77.117;33.000
p16=-77.223;32.500
p17=-77.313;32.000
p18=-77.408;31.500
p19=-77.500;31.030
p20=-77.506;31.000
p21=-77.552;30.500
p22=-77.598;30.000
p23=-77.693;29.500
p24=-77.839;29.000
p25=-78.000;28.553
p26=-78.023;28.500
p27=-78.378;28.000
p28=-78.500;27.825
p29=-78.731;27.500

p30=-79.000;27.236
p31=-79.286;27.000
p32=-79.500;26.822
p33=-79.896;26.500
p34=-80.000;26.436
p35=-80.500;26.205
p36=-80.924;26.000
p37=-81.000;25.968
p38=-81.500;25.865
p39=-82.000;25.788
p40=-82.500;25.823
p41=-82.966;26.000
p42=-83.000;26.019
p43=-83.500;26.459
p44=-83.525;26.500
p45=-84.000;26.740
p46=-84.500;26.987
p47=-84.526;27.000
p48=-85.000;27.179
p49=-85.500;27.417
p50=-85.671;27.500
p51=-86.000;27.628
p52=-86.500;27.825
p53=-86.918;28.000
p54=-87.000;28.042
p55=-87.500;28.275
p56=-87.951;28.500
p57=-88.000;28.529
p58=-88.500;28.802
p59=-88.775;29.000
p60=-89.000;29.211
p61=-89.357;29.500
p62=-89.500;29.688
p63=-89.763;30.000
p64=-90.000;30.426
p65=-90.036;30.500
p66=-90.177;31.000
p67=-90.264;31.500
p68=-90.315;32.000
p69=-90.346;32.500
p70=-90.328;33.000
p71=-90.296;33.500
p72=-90.208;34.000
p73=-90.133;34.500
p74=-90.047;35.000
p75=-90.000;35.281
p76=-89.952;35.500
p77=-89.817;36.000
p78=-89.687;36.500
p79=-89.560;37.000
p80=-89.500;37.223
p81=-89.408;37.500
p82=-89.250;38.000
p83=-89.000;38.463
p84=-88.980;38.500
p85=-88.795;39.000
p86=-88.500;39.497

p87=-88.497;39.500
p88=-88.258;40.000
p89=-88.000;40.241
p90=-87.701;40.500
p91=-87.500;40.751
p92=-87.142;41.000
p93=-87.000;41.076
p94=-86.500;41.285
p95=-86.000;41.404
p96=-85.500;41.491
p97=-85.447;41.500
p98=-85.000;41.599
p99=-84.500;41.662
p100=-84.000;41.698
p101=-83.500;41.706
p102=-83.000;41.688
p103=-82.500;41.652
p104=-82.000;41.595
p105=-81.500;41.536
p106=-81.264;41.500
p107=-81.000;41.447
p108=-80.500;41.336
p109=-80.000;41.210
p110=-79.500;41.082
p111=-79.227;41.000
p112=-79.000;40.901
p113=-78.500;40.654
p114=-78.257;40.500
p115=-78.000;40.320
p116=-77.572;40.000
p117=-77.500;39.914
p118=-77.186;39.500
p119=-77.000;39.192