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

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emi_rcp=E
polar_disc=C
reason=C
n_bore=1
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[B1]
gain=0.00
p=-111.620;33.761

[C1]
gain=-2.00
n_point=43
p1=-114.500;36.029
p2=-114.078;36.500
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p4=-113.500;36.813
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p6=-112.500;36.916
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p8=-111.500;36.634
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p17=-109.504;34.000
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p19=-109.469;33.500
p20=-109.500;33.270
p21=-109.550;33.000
p22=-109.797;32.500
p23=-110.000;32.255
p24=-110.263;32.000
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p26=-111.000;31.682
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p30=-113.000;31.993
p31=-113.012;32.000
p32=-113.500;32.408
p33=-113.604;32.500

p34=-114.000;32.884
p35=-114.096;33.000
p36=-114.397;33.500
p37=-114.500;33.675
p38=-114.646;34.000
p39=-114.737;34.500
p40=-114.788;35.000
p41=-114.715;35.500
p42=-114.520;36.000
p43=-114.500;36.029

[C2]

gain=-4.00
n_point=61
p1=-115.500;36.883
p2=-115.423;37.000
p3=-115.000;37.389
p4=-114.863;37.500
p5=-114.500;37.726
p6=-114.000;37.900
p7=-113.523;38.000
p8=-113.500;38.004
p9=-113.000;38.017
p10=-112.792;38.000
p11=-112.500;37.975
p12=-112.000;37.858
p13=-111.500;37.702
p14=-111.065;37.500
p15=-111.000;37.463
p16=-110.500;37.166
p17=-110.304;37.000
p18=-110.000;36.725
p19=-109.750;36.500
p20=-109.500;36.207
p21=-109.364;36.000
p22=-109.024;35.500
p23=-109.000;35.453
p24=-108.809;35.000
p25=-108.627;34.500
p26=-108.534;34.000
p27=-108.500;33.699
p28=-108.479;33.500
p29=-108.500;33.072
p30=-108.504;33.000
p31=-108.611;32.500
p32=-108.823;32.000
p33=-109.000;31.748
p34=-109.203;31.500
p35=-109.500;31.209
p36=-109.788;31.000
p37=-110.000;30.889
p38=-110.500;30.738
p39=-111.000;30.627
p40=-111.500;30.626
p41=-112.000;30.662
p42=-112.500;30.779
p43=-113.000;30.943

p44=-113.126;31.000
p45=-113.500;31.221
p46=-113.912;31.500
p47=-114.000;31.558
p48=-114.500;31.992
p49=-114.508;32.000
p50=-114.923;32.500
p51=-115.000;32.598
p52=-115.258;33.000
p53=-115.500;33.484
p54=-115.507;33.500
p55=-115.716;34.000
p56=-115.824;34.500
p57=-115.919;35.000
p58=-115.927;35.500
p59=-115.871;36.000
p60=-115.680;36.500
p61=-115.500;36.883

[C3]

gain=-6.00
n_point=73
p1=-116.500;37.104
p2=-116.242;37.500
p3=-116.000;37.810
p4=-115.822;38.000
p5=-115.500;38.231
p6=-115.043;38.500
p7=-115.000;38.522
p8=-114.500;38.677
p9=-114.000;38.803
p10=-113.500;38.826
p11=-113.000;38.837
p12=-112.500;38.755
p13=-112.000;38.666
p14=-111.500;38.501
p15=-111.498;38.500
p16=-111.000;38.286
p17=-110.500;38.006
p18=-110.491;38.000
p19=-110.000;37.659
p20=-109.798;37.500
p21=-109.500;37.237
p22=-109.292;37.000
p23=-109.000;36.652
p24=-108.872;36.500
p25=-108.546;36.000
p26=-108.500;35.925
p27=-108.288;35.500
p28=-108.090;35.000
p29=-108.000;34.768
p30=-107.915;34.500
p31=-107.823;34.000
p32=-107.772;33.500
p33=-107.783;33.000
p34=-107.841;32.500
p35=-107.971;32.000

p36=-108.000;31.932
p37=-108.207;31.500
p38=-108.500;31.037
p39=-108.531;31.000
p40=-109.000;30.604
p41=-109.160;30.500
p42=-109.500;30.302
p43=-110.000;30.059
p44=-110.231;30.000
p45=-110.500;29.948
p46=-111.000;29.884
p47=-111.500;29.873
p48=-112.000;29.917
p49=-112.500;29.997
p50=-112.511;30.000
p51=-113.000;30.170
p52=-113.500;30.369
p53=-113.732;30.500
p54=-114.000;30.658
p55=-114.500;30.989
p56=-114.513;31.000
p57=-115.000;31.467
p58=-115.031;31.500
p59=-115.477;32.000
p60=-115.500;32.034
p61=-115.813;32.500
p62=-116.000;32.787
p63=-116.115;33.000
p64=-116.317;33.500
p65=-116.500;33.907
p66=-116.536;34.000
p67=-116.645;34.500
p68=-116.741;35.000
p69=-116.772;35.500
p70=-116.774;36.000
p71=-116.672;36.500
p72=-116.550;37.000
p73=-116.500;37.104

[C4]

gain=-8.00
n_point=81
p1=-117.000;37.869
p2=-116.929;38.000
p3=-116.500;38.462
p4=-116.460;38.500
p5=-116.000;38.888
p6=-115.800;39.000
p7=-115.500;39.123
p8=-115.000;39.302
p9=-114.500;39.410
p10=-114.000;39.484
p11=-113.500;39.498
p12=-113.000;39.482
p13=-112.500;39.405
p14=-112.000;39.310
p15=-111.500;39.146

p16=-111.066;39.000
p17=-111.000;38.976
p18=-110.500;38.702
p19=-110.139;38.500
p20=-110.000;38.409
p21=-109.500;38.004
p22=-109.495;38.000
p23=-109.000;37.536
p24=-108.967;37.500
p25=-108.553;37.000
p26=-108.500;36.938
p27=-108.214;36.500
p28=-108.000;36.094
p29=-107.951;36.000
p30=-107.703;35.500
p31=-107.525;35.000
p32=-107.500;34.924
p33=-107.381;34.500
p34=-107.286;34.000
p35=-107.204;33.500
p36=-107.199;33.000
p37=-107.233;32.500
p38=-107.325;32.000
p39=-107.476;31.500
p40=-107.500;31.440
p41=-107.736;31.000
p42=-108.000;30.673
p43=-108.159;30.500
p44=-108.500;30.174
p45=-108.717;30.000
p46=-109.000;29.838
p47=-109.500;29.636
p48=-109.886;29.500
p49=-110.000;29.464
p50=-110.500;29.362
p51=-111.000;29.305
p52=-111.500;29.277
p53=-112.000;29.315
p54=-112.500;29.371
p55=-113.000;29.500
p56=-113.001;29.500
p57=-113.500;29.661
p58=-114.000;29.898
p59=-114.188;30.000
p60=-114.500;30.186
p61=-114.905;30.500
p62=-115.000;30.580
p63=-115.470;31.000
p64=-115.500;31.032
p65=-115.876;31.500
p66=-116.000;31.653
p67=-116.246;32.000
p68=-116.500;32.445
p69=-116.530;32.500
p70=-116.803;33.000
p71=-116.998;33.500
p72=-117.000;33.505

p73=-117.180;34.000
p74=-117.306;34.500
p75=-117.418;35.000
p76=-117.457;35.500
p77=-117.490;36.000
p78=-117.444;36.500
p79=-117.378;37.000
p80=-117.172;37.500
p81=-117.000;37.869

[C5]

gain=-10.00
n_point=93
p1=-118.000;37.183
p2=-117.916;37.500
p3=-117.757;38.000
p4=-117.500;38.408
p5=-117.435;38.500
p6=-117.042;39.000
p7=-117.000;39.033
p8=-116.500;39.356
p9=-116.231;39.500
p10=-116.000;39.613
p11=-115.500;39.815
p12=-115.000;39.942
p13=-114.712;40.000
p14=-114.500;40.032
p15=-114.000;40.058
p16=-113.500;40.068
p17=-113.000;40.032
p18=-112.717;40.000
p19=-112.500;39.971
p20=-112.000;39.863
p21=-111.500;39.722
p22=-111.000;39.552
p23=-110.883;39.500
p24=-110.500;39.310
p25=-110.000;39.049
p26=-109.930;39.000
p27=-109.500;38.678
p28=-109.275;38.500
p29=-109.000;38.255
p30=-108.766;38.000
p31=-108.500;37.712
p32=-108.331;37.500
p33=-108.000;37.012
p34=-107.993;37.000
p35=-107.677;36.500
p36=-107.500;36.168
p37=-107.434;36.000
p38=-107.241;35.500
p39=-107.078;35.000
p40=-107.000;34.765
p41=-106.924;34.500
p42=-106.830;34.000
p43=-106.752;33.500
p44=-106.731;33.000

p45=-106.738;32.500
p46=-106.798;32.000
p47=-106.917;31.500
p48=-107.000;31.267
p49=-107.106;31.000
p50=-107.411;30.500
p51=-107.500;30.381
p52=-107.837;30.000
p53=-108.000;29.870
p54=-108.500;29.547
p55=-108.582;29.500
p56=-109.000;29.285
p57=-109.500;29.099
p58=-109.816;29.000
p59=-110.000;28.953
p60=-110.500;28.852
p61=-111.000;28.797
p62=-111.500;28.756
p63=-112.000;28.772
p64=-112.500;28.808
p65=-113.000;28.894
p66=-113.421;29.000
p67=-113.500;29.022
p68=-114.000;29.205
p69=-114.500;29.450
p70=-114.584;29.500
p71=-115.000;29.768
p72=-115.298;30.000
p73=-115.500;30.169
p74=-115.827;30.500
p75=-116.000;30.691
p76=-116.258;31.000
p77=-116.500;31.330
p78=-116.606;31.500
p79=-116.912;32.000
p80=-117.000;32.158
p81=-117.164;32.500
p82=-117.390;33.000
p83=-117.500;33.295
p84=-117.572;33.500
p85=-117.748;34.000
p86=-117.863;34.500
p87=-117.989;35.000
p88=-118.000;35.074
p89=-118.057;35.500
p90=-118.107;36.000
p91=-118.079;36.500
p92=-118.045;37.000
p93=-118.000;37.183

[C6]

gain=-15.00
n_point=111
p1=-119.000;39.165
p2=-118.797;39.500
p3=-118.500;39.822
p4=-118.311;40.000

p5=-118.000;40.217
p6=-117.500;40.476
p7=-117.442;40.500
p8=-117.000;40.668
p9=-116.500;40.826
p10=-116.000;40.966
p11=-115.845;41.000
p12=-115.500;41.048
p13=-115.000;41.102
p14=-114.500;41.134
p15=-114.000;41.152
p16=-113.500;41.158
p17=-113.000;41.142
p18=-112.500;41.116
p19=-112.000;41.058
p20=-111.598;41.000
p21=-111.500;40.984
p22=-111.000;40.870
p23=-110.500;40.733
p24=-110.000;40.535
p25=-109.929;40.500
p26=-109.500;40.297
p27=-109.034;40.000
p28=-109.000;39.977
p29=-108.500;39.532
p30=-108.471;39.500
p31=-108.015;39.000
p32=-108.000;38.982
p33=-107.666;38.500
p34=-107.500;38.243
p35=-107.369;38.000
p36=-107.128;37.500
p37=-107.000;37.232
p38=-106.903;37.000
p39=-106.706;36.500
p40=-106.500;36.022
p41=-106.493;36.000
p42=-106.368;35.500
p43=-106.249;35.000
p44=-106.112;34.500
p45=-106.000;34.073
p46=-105.983;34.000
p47=-105.879;33.500
p48=-105.798;33.000
p49=-105.734;32.500
p50=-105.701;32.000
p51=-105.701;31.500
p52=-105.757;31.000
p53=-105.892;30.500
p54=-106.000;30.263
p55=-106.129;30.000
p56=-106.500;29.569
p57=-106.561;29.500
p58=-107.000;29.133
p59=-107.189;29.000
p60=-107.500;28.841
p61=-108.000;28.618

p62=-108.283;28.500
p63=-108.500;28.428
p64=-109.000;28.278
p65=-109.500;28.129
p66=-109.972;28.000
p67=-110.000;27.993
p68=-110.500;27.859
p69=-111.000;27.747
p70=-111.500;27.635
p71=-112.000;27.529
p72=-112.200;27.500
p73=-112.500;27.440
p74=-113.000;27.342
p75=-113.500;27.315
p76=-114.000;27.324
p77=-114.500;27.399
p78=-114.843;27.500
p79=-115.000;27.548
p80=-115.500;27.772
p81=-115.843;28.000
p82=-116.000;28.106
p83=-116.476;28.500
p84=-116.500;28.524
p85=-116.912;29.000
p86=-117.000;29.105
p87=-117.272;29.500
p88=-117.500;29.899
p89=-117.552;30.000
p90=-117.794;30.500
p91=-117.995;31.000
p92=-118.000;31.014
p93=-118.172;31.500
p94=-118.336;32.000
p95=-118.482;32.500
p96=-118.500;32.559
p97=-118.628;33.000
p98=-118.755;33.500
p99=-118.886;34.000
p100=-118.995;34.500
p101=-119.000;34.520
p102=-119.112;35.000
p103=-119.204;35.500
p104=-119.288;36.000
p105=-119.344;36.500
p106=-119.401;37.000
p107=-119.385;37.500
p108=-119.353;38.000
p109=-119.261;38.500
p110=-119.086;39.000
p111=-119.000;39.165

[C7]

gain=-20.00
n_point=159
p1=-121.000;41.618
p2=-120.500;41.836
p3=-120.000;41.814

p4=-119.500;41.786
p5=-119.000;41.754
p6=-118.500;41.734
p7=-118.000;41.726
p8=-117.500;41.726
p9=-117.000;41.733
p10=-116.500;41.756
p11=-116.000;41.781
p12=-115.500;41.829
p13=-115.000;41.879
p14=-114.500;41.932
p15=-114.000;41.994
p16=-113.931;42.000
p17=-113.500;42.045
p18=-113.000;42.142
p19=-112.500;42.274
p20=-112.054;42.500
p21=-112.000;42.545
p22=-111.500;42.944
p23=-111.445;43.000
p24=-111.171;43.500
p25=-111.000;43.698
p26=-110.500;43.987
p27=-110.000;43.992
p28=-109.500;43.925
p29=-109.000;43.779
p30=-108.500;43.572
p31=-108.329;43.500
p32=-108.000;43.375
p33=-107.500;43.087
p34=-107.331;43.000
p35=-107.000;42.758
p36=-106.714;42.500
p37=-106.500;42.325
p38=-106.131;42.000
p39=-106.000;41.861
p40=-105.642;41.500
p41=-105.500;41.344
p42=-105.269;41.000
p43=-105.000;40.594
p44=-104.929;40.500
p45=-104.698;40.000
p46=-104.500;39.606
p47=-104.456;39.500
p48=-104.431;39.000
p49=-104.446;38.500
p50=-104.500;38.456
p51=-105.000;38.277
p52=-105.500;38.138
p53=-105.739;38.000
p54=-106.000;37.624
p55=-106.018;37.500
p56=-106.022;37.000
p57=-106.000;36.686
p58=-105.987;36.500
p59=-105.890;36.000
p60=-105.801;35.500

p61=-105.661;35.000
p62=-105.521;34.500
p63=-105.500;34.428
p64=-105.383;34.000
p65=-105.185;33.500
p66=-105.000;33.000
p67=-105.000;32.999
p68=-104.687;32.500
p69=-104.500;32.229
p70=-104.178;32.000
p71=-104.000;31.850
p72=-103.500;31.887
p73=-103.000;31.684
p74=-102.850;31.500
p75=-102.677;31.000
p76=-102.652;30.500
p77=-102.684;30.000
p78=-102.809;29.500
p79=-102.932;29.000
p80=-103.000;28.865
p81=-103.279;28.500
p82=-103.500;28.198
p83=-103.675;28.000
p84=-104.000;27.714
p85=-104.285;27.500
p86=-104.500;27.369
p87=-105.000;27.286
p88=-105.500;27.299
p89=-106.000;27.481
p90=-106.033;27.500
p91=-106.500;27.695
p92=-107.000;27.809
p93=-107.500;27.806
p94=-108.000;27.777
p95=-108.500;27.688
p96=-109.000;27.562
p97=-109.189;27.500
p98=-109.500;27.426
p99=-110.000;27.259
p100=-110.500;27.013
p101=-110.527;27.000
p102=-111.000;26.667
p103=-111.258;26.500
p104=-111.500;26.218
p105=-111.724;26.000
p106=-112.000;25.753
p107=-112.466;25.500
p108=-112.500;25.484
p109=-113.000;25.400
p110=-113.500;25.368
p111=-114.000;25.422
p112=-114.447;25.500
p113=-114.500;25.509
p114=-115.000;25.655
p115=-115.500;25.847
p116=-115.834;26.000
p117=-116.000;26.091

p118=-116.500;26.410
p119=-116.630;26.500
p120=-117.000;26.781
p121=-117.270;27.000
p122=-117.500;27.199
p123=-117.809;27.500
p124=-118.000;27.718
p125=-118.253;28.000
p126=-118.500;28.290
p127=-118.644;28.500
p128=-118.936;29.000
p129=-119.000;29.106
p130=-119.215;29.500
p131=-119.391;30.000
p132=-119.500;30.343
p133=-119.550;30.500
p134=-119.627;31.000
p135=-119.667;31.500
p136=-119.671;32.000
p137=-119.668;32.500
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p139=-119.718;33.500
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p141=-119.855;34.500
p142=-119.957;35.000
p143=-120.000;35.147
p144=-120.091;35.500
p145=-120.198;36.000
p146=-120.343;36.500
p147=-120.471;37.000
p148=-120.500;37.105
p149=-120.632;37.500
p150=-120.769;38.000
p151=-120.945;38.500
p152=-121.000;38.692
p153=-121.119;39.000
p154=-121.278;39.500
p155=-121.414;40.000
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p157=-121.455;41.000
p158=-121.189;41.500
p159=-121.000;41.618