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

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

[B1]
gain=0.00
p=-118.155;34.131

[C1]
gain=-2.00
n_point=37
p1=-120.500;35.036
p2=-120.264;35.500
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p21=-117.000;32.091
p22=-117.189;32.000
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p32=-120.442;33.500
p33=-120.500;33.744

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p35=-120.577;34.500
p36=-120.514;35.000
p37=-120.500;35.036

[C2]

gain=-4.00
n_point=53
p1=-121.500;35.471
p2=-121.492;35.500
p3=-121.229;36.000
p4=-121.000;36.302
p5=-120.810;36.500
p6=-120.500;36.746
p7=-120.056;37.000
p8=-120.000;37.026
p9=-119.500;37.171
p10=-119.000;37.240
p11=-118.500;37.244
p12=-118.000;37.166
p13=-117.500;37.005
p14=-117.488;37.000
p15=-117.000;36.763
p16=-116.629;36.500
p17=-116.500;36.393
p18=-116.115;36.000
p19=-116.000;35.860
p20=-115.773;35.500
p21=-115.528;35.000
p22=-115.500;34.929
p23=-115.353;34.500
p24=-115.240;34.000
p25=-115.227;33.500
p26=-115.285;33.000
p27=-115.426;32.500
p28=-115.500;32.343
p29=-115.711;32.000
p30=-116.000;31.670
p31=-116.198;31.500
p32=-116.500;31.296
p33=-117.000;31.047
p34=-117.149;31.000
p35=-117.500;30.907
p36=-118.000;30.844
p37=-118.500;30.851
p38=-119.000;30.939
p39=-119.174;31.000
p40=-119.500;31.135
p41=-120.000;31.413
p42=-120.123;31.500
p43=-120.500;31.828
p44=-120.659;32.000
p45=-121.000;32.417
p46=-121.059;32.500
p47=-121.329;33.000
p48=-121.500;33.473
p49=-121.509;33.500

p50=-121.618;34.000
p51=-121.647;34.500
p52=-121.613;35.000
p53=-121.500;35.471

[C3]

gain=-6.00
n_point=63
p1=-122.000;36.386
p2=-121.931;36.500
p3=-121.528;37.000
p4=-121.500;37.026
p5=-121.000;37.415
p6=-120.861;37.500
p7=-120.500;37.673
p8=-120.000;37.848
p9=-119.500;37.964
p10=-119.171;38.000
p11=-119.000;38.017
p12=-118.500;38.005
p13=-118.458;38.000
p14=-118.000;37.943
p15=-117.500;37.819
p16=-117.000;37.606
p17=-116.809;37.500
p18=-116.500;37.316
p19=-116.116;37.000
p20=-116.000;36.892
p21=-115.654;36.500
p22=-115.500;36.308
p23=-115.310;36.000
p24=-115.071;35.500
p25=-115.000;35.333
p26=-114.879;35.000
p27=-114.736;34.500
p28=-114.649;34.000
p29=-114.616;33.500
p30=-114.633;33.000
p31=-114.720;32.500
p32=-114.900;32.000
p33=-115.000;31.817
p34=-115.218;31.500
p35=-115.500;31.196
p36=-115.725;31.000
p37=-116.000;30.800
p38=-116.500;30.506
p39=-116.514;30.500
p40=-117.000;30.305
p41=-117.500;30.168
p42=-118.000;30.102
p43=-118.500;30.102
p44=-119.000;30.165
p45=-119.500;30.295
p46=-119.983;30.500
p47=-120.000;30.509
p48=-120.500;30.828
p49=-120.727;31.000

p50=-121.000;31.245
p51=-121.235;31.500
p52=-121.500;31.817
p53=-121.638;32.000
p54=-121.945;32.500
p55=-122.000;32.615
p56=-122.172;33.000
p57=-122.334;33.500
p58=-122.434;34.000
p59=-122.489;34.500
p60=-122.485;35.000
p61=-122.379;35.500
p62=-122.200;36.000
p63=-122.000;36.386

[C4]

gain=-8.00
n_point=75
p1=-123.000;36.046
p2=-122.802;36.500
p3=-122.504;37.000
p4=-122.500;37.005
p5=-122.046;37.500
p6=-122.000;37.540
p7=-121.500;37.910
p8=-121.352;38.000
p9=-121.000;38.184
p10=-120.500;38.386
p11=-120.096;38.500
p12=-120.000;38.525
p13=-119.500;38.611
p14=-119.000;38.661
p15=-118.500;38.665
p16=-118.000;38.615
p17=-117.500;38.517
p18=-117.441;38.500
p19=-117.000;38.362
p20=-116.500;38.119
p21=-116.307;38.000
p22=-116.000;37.787
p23=-115.691;37.500
p24=-115.500;37.299
p25=-115.265;37.000
p26=-115.000;36.629
p27=-114.927;36.500
p28=-114.701;36.000
p29=-114.506;35.500
p30=-114.500;35.485
p31=-114.358;35.000
p32=-114.254;34.500
p33=-114.174;34.000
p34=-114.126;33.500
p35=-114.117;33.000
p36=-114.177;32.500
p37=-114.306;32.000
p38=-114.500;31.543
p39=-114.523;31.500

p40=-114.902;31.000
p41=-115.000;30.899
p42=-115.457;30.500
p43=-115.500;30.468
p44=-116.000;30.146
p45=-116.270;30.000
p46=-116.500;29.886
p47=-117.000;29.690
p48=-117.500;29.550
p49=-117.804;29.500
p50=-118.000;29.471
p51=-118.500;29.466
p52=-118.842;29.500
p53=-119.000;29.518
p54=-119.500;29.634
p55=-120.000;29.808
p56=-120.388;30.000
p57=-120.500;30.064
p58=-121.000;30.405
p59=-121.120;30.500
p60=-121.500;30.850
p61=-121.638;31.000
p62=-122.000;31.425
p63=-122.058;31.500
p64=-122.391;32.000
p65=-122.500;32.194
p66=-122.664;32.500
p67=-122.877;33.000
p68=-123.000;33.400
p69=-123.029;33.500
p70=-123.139;34.000
p71=-123.199;34.500
p72=-123.203;35.000
p73=-123.140;35.500
p74=-123.018;36.000
p75=-123.000;36.046

[C5]

gain=-10.00
n_point=83
p1=-123.500;36.638
p2=-123.323;37.000
p3=-123.000;37.451
p4=-122.961;37.500
p5=-122.500;37.959
p6=-122.452;38.000
p7=-122.000;38.327
p8=-121.711;38.500
p9=-121.500;38.611
p10=-121.000;38.828
p11=-120.502;39.000
p12=-120.500;39.001
p13=-120.000;39.127
p14=-119.500;39.213
p15=-119.000;39.263
p16=-118.500;39.279
p17=-118.000;39.254

p18=-117.500;39.173
p19=-117.000;39.043
p20=-116.876;39.000
p21=-116.500;38.856
p22=-116.000;38.577
p23=-115.886;38.500
p24=-115.500;38.212
p25=-115.281;38.000
p26=-115.000;37.667
p27=-114.882;37.500
p28=-114.568;37.000
p29=-114.500;36.867
p30=-114.349;36.500
p31=-114.179;36.000
p32=-114.029;35.500
p33=-114.000;35.383
p34=-113.927;35.000
p35=-113.846;34.500
p36=-113.772;34.000
p37=-113.715;33.500
p38=-113.698;33.000
p39=-113.724;32.500
p40=-113.801;32.000
p41=-113.956;31.500
p42=-114.000;31.413
p43=-114.249;31.000
p44=-114.500;30.699
p45=-114.694;30.500
p46=-115.000;30.240
p47=-115.319;30.000
p48=-115.500;29.878
p49=-116.000;29.578
p50=-116.153;29.500
p51=-116.500;29.336
p52=-117.000;29.148
p53=-117.500;29.013
p54=-117.585;29.000
p55=-118.000;28.941
p56=-118.500;28.920
p57=-119.000;28.959
p58=-119.218;29.000
p59=-119.500;29.060
p60=-120.000;29.218
p61=-120.500;29.428
p62=-120.631;29.500
p63=-121.000;29.730
p64=-121.377;30.000
p65=-121.500;30.097
p66=-121.929;30.500
p67=-122.000;30.577
p68=-122.360;31.000
p69=-122.500;31.178
p70=-122.725;31.500
p71=-123.000;31.951
p72=-123.028;32.000
p73=-123.287;32.500
p74=-123.485;33.000

p75=-123.500;33.046
p76=-123.644;33.500
p77=-123.760;34.000
p78=-123.832;34.500
p79=-123.861;35.000
p80=-123.819;35.500
p81=-123.720;36.000
p82=-123.561;36.500
p83=-123.500;36.638

[C6]

gain=-15.00
n_point=103
p1=-125.000;37.270
p2=-124.892;37.500
p3=-124.568;38.000
p4=-124.500;38.081
p5=-124.121;38.500
p6=-124.000;38.604
p7=-123.504;39.000
p8=-123.500;39.003
p9=-123.000;39.311
p10=-122.654;39.500
p11=-122.500;39.575
p12=-122.000;39.792
p13=-121.500;39.982
p14=-121.446;40.000
p15=-121.000;40.144
p16=-120.500;40.291
p17=-120.000;40.420
p18=-119.601;40.500
p19=-119.500;40.520
p20=-119.000;40.597
p21=-118.500;40.649
p22=-118.000;40.656
p23=-117.500;40.622
p24=-117.000;40.556
p25=-116.755;40.500
p26=-116.500;40.436
p27=-116.000;40.263
p28=-115.500;40.049
p29=-115.413;40.000
p30=-115.000;39.726
p31=-114.708;39.500
p32=-114.500;39.322
p33=-114.194;39.000
p34=-114.000;38.765
p35=-113.807;38.500
p36=-113.520;38.000
p37=-113.500;37.951
p38=-113.344;37.500
p39=-113.215;37.000
p40=-113.130;36.500
p41=-113.108;36.000
p42=-113.097;35.500
p43=-113.075;35.000
p44=-113.031;34.500

p45=-113.000;34.286
p46=-112.968;34.000
p47=-112.918;33.500
p48=-112.848;33.000
p49=-112.773;32.500
p50=-112.721;32.000
p51=-112.716;31.500
p52=-112.805;31.000
p53=-113.000;30.598
p54=-113.052;30.500
p55=-113.500;30.014
p56=-113.514;30.000
p57=-114.000;29.633
p58=-114.180;29.500
p59=-114.500;29.299
p60=-114.962;29.000
p61=-115.000;28.977
p62=-115.500;28.680
p63=-115.824;28.500
p64=-116.000;28.410
p65=-116.500;28.193
p66=-117.000;28.023
p67=-117.097;28.000
p68=-117.500;27.916
p69=-118.000;27.847
p70=-118.500;27.813
p71=-119.000;27.816
p72=-119.500;27.858
p73=-120.000;27.949
p74=-120.181;28.000
p75=-120.500;28.098
p76=-121.000;28.300
p77=-121.387;28.500
p78=-121.500;28.564
p79=-122.000;28.917
p80=-122.099;29.000
p81=-122.500;29.350
p82=-122.645;29.500
p83=-123.000;29.904
p84=-123.073;30.000
p85=-123.451;30.500
p86=-123.500;30.571
p87=-123.756;31.000
p88=-124.000;31.405
p89=-124.052;31.500
p90=-124.306;32.000
p91=-124.500;32.408
p92=-124.542;32.500
p93=-124.747;33.000
p94=-124.927;33.500
p95=-125.000;33.721
p96=-125.091;34.000
p97=-125.213;34.500
p98=-125.297;35.000
p99=-125.336;35.500
p100=-125.327;36.000
p101=-125.262;36.500

p102=-125.120;37.000
p103=-125.000;37.270

[C7]

gain=-20.00
n_point=125
p1=-127.000;37.040
p2=-126.930;37.500
p3=-126.751;38.000
p4=-126.500;38.424
p5=-126.453;38.500
p6=-126.031;39.000
p7=-126.000;39.028
p8=-125.500;39.447
p9=-125.430;39.500
p10=-125.000;39.765
p11=-124.569;40.000
p12=-124.500;40.031
p13=-124.000;40.249
p14=-123.500;40.448
p15=-123.366;40.500
p16=-123.000;40.626
p17=-122.500;40.790
p18=-122.000;40.952
p19=-121.852;41.000
p20=-121.500;41.103
p21=-121.000;41.248
p22=-120.500;41.391
p23=-120.081;41.500
p24=-120.000;41.520
p25=-119.500;41.628
p26=-119.000;41.721
p27=-118.500;41.784
p28=-118.000;41.817
p29=-117.500;41.829
p30=-117.000;41.808
p31=-116.500;41.750
p32=-116.000;41.661
p33=-115.500;41.511
p34=-115.471;41.500
p35=-115.000;41.319
p36=-114.500;41.053
p37=-114.420;41.000
p38=-114.000;40.702
p39=-113.776;40.500
p40=-113.500;40.231
p41=-113.307;40.000
p42=-113.000;39.571
p43=-112.957;39.500
p44=-112.682;39.000
p45=-112.500;38.605
p46=-112.458;38.500
p47=-112.304;38.000
p48=-112.189;37.500
p49=-112.131;37.000
p50=-112.134;36.500
p51=-112.219;36.000

p52=-112.328;35.500
p53=-112.407;35.000
p54=-112.433;34.500
p55=-112.417;34.000
p56=-112.314;33.500
p57=-112.137;33.000
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p59=-111.898;32.500
p60=-111.565;32.000
p61=-111.500;31.860
p62=-111.315;31.500
p63=-111.185;31.000
p64=-111.188;30.500
p65=-111.354;30.000
p66=-111.500;29.772
p67=-111.737;29.500
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p69=-112.500;29.012
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p81=-116.500;27.334
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p84=-117.896;27.000
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p86=-118.500;26.884
p87=-119.000;26.811
p88=-119.500;26.769
p89=-120.000;26.766
p90=-120.500;26.812
p91=-121.000;26.915
p92=-121.236;27.000
p93=-121.500;27.105
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p95=-122.205;27.500
p96=-122.500;27.706
p97=-122.843;28.000
p98=-123.000;28.145
p99=-123.338;28.500
p100=-123.500;28.686
p101=-123.732;29.000
p102=-124.000;29.397
p103=-124.062;29.500
p104=-124.340;30.000
p105=-124.500;30.310
p106=-124.588;30.500
p107=-124.831;31.000
p108=-125.000;31.359

p109=-125.059;31.500
p110=-125.294;32.000
p111=-125.500;32.450
p112=-125.521;32.500
p113=-125.747;33.000
p114=-125.977;33.500
p115=-126.000;33.556
p116=-126.201;34.000
p117=-126.419;34.500
p118=-126.500;34.719
p119=-126.618;35.000
p120=-126.787;35.500
p121=-126.921;36.000
p122=-126.992;36.500
p123=-127.000;36.803
p124=-127.006;37.000
p125=-127.000;37.040