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

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beam_id=RD19
emi_rcp=E
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-118.406;34.028

[C1]
gain=-2.00
n_point=47
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p2=-120.736;36.500
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p21=-115.393;34.000
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p30=-117.500;31.675
p31=-118.000;31.741
p32=-118.500;31.856
p33=-118.854;32.000

p34=-119.000;32.069
p35=-119.500;32.379
p36=-119.668;32.500
p37=-120.000;32.755
p38=-120.238;33.000
p39=-120.500;33.350
p40=-120.609;33.500
p41=-120.910;34.000
p42=-121.000;34.256
p43=-121.087;34.500
p44=-121.216;35.000
p45=-121.212;35.500
p46=-121.116;36.000
p47=-121.000;36.187

[C2]

gain=-4.00
n_point=65
p1=-122.500;36.321
p2=-122.471;36.500
p3=-122.247;37.000
p4=-122.000;37.338
p5=-121.838;37.500
p6=-121.500;37.748
p7=-121.106;38.000
p8=-121.000;38.045
p9=-120.500;38.143
p10=-120.000;38.224
p11=-119.500;38.213
p12=-119.000;38.189
p13=-118.500;38.084
p14=-118.170;38.000
p15=-118.000;37.943
p16=-117.500;37.721
p17=-117.097;37.500
p18=-117.000;37.445
p19=-116.500;37.148
p20=-116.315;37.000
p21=-116.000;36.707
p22=-115.790;36.500
p23=-115.500;36.186
p24=-115.344;36.000
p25=-115.000;35.538
p26=-114.978;35.500
p27=-114.731;35.000
p28=-114.513;34.500
p29=-114.500;34.466
p30=-114.357;34.000
p31=-114.304;33.500
p32=-114.280;33.000
p33=-114.373;32.500
p34=-114.500;32.056
p35=-114.519;32.000
p36=-114.904;31.500
p37=-115.000;31.400
p38=-115.493;31.000
p39=-115.500;30.996

p40=-116.000;30.822
p41=-116.500;30.680
p42=-117.000;30.636
p43=-117.500;30.626
p44=-118.000;30.688
p45=-118.500;30.788
p46=-119.000;30.957
p47=-119.107;31.000
p48=-119.500;31.169
p49=-120.000;31.468
p50=-120.053;31.500
p51=-120.500;31.825
p52=-120.689;32.000
p53=-121.000;32.303
p54=-121.179;32.500
p55=-121.500;32.919
p56=-121.560;33.000
p57=-121.872;33.500
p58=-122.000;33.750
p59=-122.124;34.000
p60=-122.311;34.500
p61=-122.449;35.000
p62=-122.500;35.396
p63=-122.514;35.500
p64=-122.537;36.000
p65=-122.500;36.321

[C3]

gain=-6.00
n_point=81
p1=-123.500;36.762
p2=-123.450;37.000
p3=-123.275;37.500
p4=-123.000;37.966
p5=-122.972;38.000
p6=-122.500;38.416
p7=-122.373;38.500
p8=-122.000;38.687
p9=-121.500;38.899
p10=-121.039;39.000
p11=-121.000;39.006
p12=-120.500;39.076
p13=-120.000;39.081
p14=-119.500;39.067
p15=-119.000;39.007
p16=-118.965;39.000
p17=-118.500;38.890
p18=-118.000;38.748
p19=-117.500;38.533
p20=-117.423;38.500
p21=-117.000;38.316
p22=-116.500;38.028
p23=-116.457;38.000
p24=-116.000;37.654
p25=-115.810;37.500
p26=-115.500;37.243
p27=-115.273;37.000

p28=-115.000;36.679
p29=-114.858;36.500
p30=-114.500;36.000
p31=-114.500;36.000
p32=-114.202;35.500
p33=-114.000;35.104
p34=-113.958;35.000
p35=-113.786;34.500
p36=-113.617;34.000
p37=-113.515;33.500
p38=-113.500;33.337
p39=-113.474;33.000
p40=-113.500;32.587
p41=-113.507;32.500
p42=-113.579;32.000
p43=-113.792;31.500
p44=-114.000;31.137
p45=-114.099;31.000
p46=-114.500;30.628
p47=-114.696;30.500
p48=-115.000;30.340
p49=-115.500;30.118
p50=-115.909;30.000
p51=-116.000;29.977
p52=-116.500;29.897
p53=-117.000;29.848
p54=-117.500;29.856
p55=-118.000;29.884
p56=-118.500;29.976
p57=-118.611;30.000
p58=-119.000;30.092
p59=-119.500;30.276
p60=-120.000;30.490
p61=-120.018;30.500
p62=-120.500;30.793
p63=-120.787;31.000
p64=-121.000;31.167
p65=-121.400;31.500
p66=-121.500;31.597
p67=-121.841;32.000
p68=-122.000;32.190
p69=-122.232;32.500
p70=-122.500;32.924
p71=-122.547;33.000
p72=-122.821;33.500
p73=-123.000;33.897
p74=-123.046;34.000
p75=-123.232;34.500
p76=-123.376;35.000
p77=-123.477;35.500
p78=-123.500;35.672
p79=-123.542;36.000
p80=-123.544;36.500
p81=-123.500;36.762

[C4]

gain=-8.00

n_point=89
p1=-124.000;38.236
p2=-123.837;38.500
p3=-123.500;38.855
p4=-123.309;39.000
p5=-123.000;39.189
p6=-122.500;39.423
p7=-122.263;39.500
p8=-122.000;39.574
p9=-121.500;39.673
p10=-121.000;39.735
p11=-120.500;39.767
p12=-120.000;39.754
p13=-119.500;39.728
p14=-119.000;39.644
p15=-118.500;39.554
p16=-118.317;39.500
p17=-118.000;39.410
p18=-117.500;39.246
p19=-117.000;39.047
p20=-116.907;39.000
p21=-116.500;38.761
p22=-116.074;38.500
p23=-116.000;38.453
p24=-115.500;38.062
p25=-115.430;38.000
p26=-115.000;37.571
p27=-114.934;37.500
p28=-114.500;37.021
p29=-114.485;37.000
p30=-114.159;36.500
p31=-114.000;36.264
p32=-113.850;36.000
p33=-113.602;35.500
p34=-113.500;35.272
p35=-113.381;35.000
p36=-113.199;34.500
p37=-113.048;34.000
p38=-113.000;33.779
p39=-112.939;33.500
p40=-112.860;33.000
p41=-112.838;32.500
p42=-112.848;32.000
p43=-112.962;31.500
p44=-113.000;31.386
p45=-113.162;31.000
p46=-113.500;30.531
p47=-113.529;30.500
p48=-114.000;30.098
p49=-114.135;30.000
p50=-114.500;29.802
p51=-115.000;29.591
p52=-115.277;29.500
p53=-115.500;29.441
p54=-116.000;29.331
p55=-116.500;29.266
p56=-117.000;29.211

p57=-117.500;29.203
p58=-118.000;29.209
p59=-118.500;29.264
p60=-119.000;29.342
p61=-119.500;29.473
p62=-119.585;29.500
p63=-120.000;29.645
p64=-120.500;29.887
p65=-120.708;30.000
p66=-121.000;30.168
p67=-121.444;30.500
p68=-121.500;30.546
p69=-121.977;31.000
p70=-122.000;31.023
p71=-122.440;31.500
p72=-122.500;31.576
p73=-122.787;32.000
p74=-123.000;32.311
p75=-123.117;32.500
p76=-123.379;33.000
p77=-123.500;33.237
p78=-123.626;33.500
p79=-123.829;34.000
p80=-124.000;34.464
p81=-124.013;34.500
p82=-124.163;35.000
p83=-124.273;35.500
p84=-124.360;36.000
p85=-124.396;36.500
p86=-124.371;37.000
p87=-124.302;37.500
p88=-124.128;38.000
p89=-124.000;38.236

[C5]

gain=-10.00
n_point=99
p1=-125.000;38.233
p2=-124.917;38.500
p3=-124.607;39.000
p4=-124.500;39.125
p5=-124.128;39.500
p6=-124.000;39.584
p7=-123.500;39.827
p8=-123.096;40.000
p9=-123.000;40.033
p10=-122.500;40.152
p11=-122.000;40.252
p12=-121.500;40.304
p13=-121.000;40.348
p14=-120.500;40.347
p15=-120.000;40.341
p16=-119.500;40.298
p17=-119.000;40.238
p18=-118.500;40.158
p19=-118.000;40.038
p20=-117.858;40.000

p21=-117.500;39.892
p22=-117.000;39.688
p23=-116.595;39.500
p24=-116.500;39.455
p25=-116.000;39.182
p26=-115.740;39.000
p27=-115.500;38.815
p28=-115.127;38.500
p29=-115.000;38.388
p30=-114.632;38.000
p31=-114.500;37.857
p32=-114.231;37.500
p33=-114.000;37.171
p34=-113.888;37.000
p35=-113.587;36.500
p36=-113.500;36.344
p37=-113.332;36.000
p38=-113.070;35.500
p39=-113.000;35.340
p40=-112.890;35.000
p41=-112.726;34.500
p42=-112.552;34.000
p43=-112.500;33.826
p44=-112.419;33.500
p45=-112.335;33.000
p46=-112.278;32.500
p47=-112.247;32.000
p48=-112.291;31.500
p49=-112.390;31.000
p50=-112.500;30.750
p51=-112.633;30.500
p52=-113.000;30.027
p53=-113.024;30.000
p54=-113.500;29.641
p55=-113.737;29.500
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p57=-114.500;29.183
p58=-115.000;29.017
p59=-115.066;29.000
p60=-115.500;28.902
p61=-116.000;28.794
p62=-116.500;28.716
p63=-117.000;28.650
p64=-117.500;28.608
p65=-118.000;28.592
p66=-118.500;28.599
p67=-119.000;28.644
p68=-119.500;28.712
p69=-120.000;28.831
p70=-120.500;28.987
p71=-120.528;29.000
p72=-121.000;29.215
p73=-121.480;29.500
p74=-121.500;29.513
p75=-122.000;29.895
p76=-122.109;30.000
p77=-122.500;30.392

p78=-122.598;30.500
p79=-122.989;31.000
p80=-123.000;31.015
p81=-123.346;31.500
p82=-123.500;31.757
p83=-123.627;32.000
p84=-123.902;32.500
p85=-124.000;32.705
p86=-124.123;33.000
p87=-124.336;33.500
p88=-124.500;33.912
p89=-124.530;34.000
p90=-124.689;34.500
p91=-124.844;35.000
p92=-124.969;35.500
p93=-125.000;35.674
p94=-125.059;36.000
p95=-125.135;36.500
p96=-125.168;37.000
p97=-125.157;37.500
p98=-125.067;38.000
p99=-125.000;38.233

[C6]

gain=-15.00
n_point=129
p1=-127.000;39.936
p2=-126.980;40.000
p3=-126.606;40.500
p4=-126.500;40.592
p5=-126.000;40.900
p6=-125.768;41.000
p7=-125.500;41.078
p8=-125.000;41.185
p9=-124.500;41.274
p10=-124.000;41.345
p11=-123.500;41.400
p12=-123.000;41.441
p13=-122.500;41.469
p14=-122.000;41.490
p15=-121.726;41.500
p16=-121.500;41.507
p17=-121.000;41.518
p18=-120.500;41.537
p19=-120.000;41.548
p20=-119.500;41.565
p21=-119.000;41.579
p22=-118.500;41.596
p23=-118.000;41.619
p24=-117.500;41.643
p25=-117.000;41.675
p26=-116.500;41.676
p27=-116.000;41.671
p28=-115.500;41.558
p29=-115.289;41.500
p30=-115.000;41.419
p31=-114.500;41.164

p32=-114.225;41.000
p33=-114.000;40.774
p34=-113.782;40.500
p35=-113.500;40.055
p36=-113.473;40.000
p37=-113.308;39.500
p38=-113.195;39.000
p39=-113.074;38.500
p40=-113.000;38.243
p41=-112.938;38.000
p42=-112.795;37.500
p43=-112.648;37.000
p44=-112.500;36.543
p45=-112.489;36.500
p46=-112.339;36.000
p47=-112.159;35.500
p48=-112.000;35.103
p49=-111.973;35.000
p50=-111.840;34.500
p51=-111.654;34.000
p52=-111.500;33.624
p53=-111.452;33.500
p54=-111.270;33.000
p55=-111.072;32.500
p56=-111.000;32.307
p57=-110.856;32.000
p58=-110.648;31.500
p59=-110.500;31.160
p60=-110.401;31.000
p61=-110.242;30.500
p62=-110.086;30.000
p63=-110.159;29.500
p64=-110.427;29.000
p65=-110.500;28.933
p66=-111.000;28.633
p67=-111.381;28.500
p68=-111.500;28.473
p69=-112.000;28.386
p70=-112.500;28.320
p71=-113.000;28.267
p72=-113.500;28.200
p73=-114.000;28.142
p74=-114.500;28.049
p75=-114.764;28.000
p76=-115.000;27.960
p77=-115.500;27.852
p78=-116.000;27.727
p79=-116.500;27.568
p80=-116.726;27.500
p81=-117.000;27.406
p82=-117.500;27.208
p83=-118.000;27.039
p84=-118.140;27.000
p85=-118.500;26.892
p86=-119.000;26.774
p87=-119.500;26.728
p88=-120.000;26.705

p89=-120.500;26.793
p90=-121.000;26.898
p91=-121.238;27.000
p92=-121.500;27.136
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p95=-122.500;27.721
p96=-122.909;28.000
p97=-123.000;28.074
p98=-123.494;28.500
p99=-123.500;28.505
p100=-123.955;29.000
p101=-124.000;29.055
p102=-124.348;29.500
p103=-124.500;29.734
p104=-124.669;30.000
p105=-124.944;30.500
p106=-125.000;30.632
p107=-125.141;31.000
p108=-125.334;31.500
p109=-125.464;32.000
p110=-125.500;32.121
p111=-125.606;32.500
p112=-125.713;33.000
p113=-125.841;33.500
p114=-125.957;34.000
p115=-126.000;34.137
p116=-126.101;34.500
p117=-126.228;35.000
p118=-126.381;35.500
p119=-126.500;35.907
p120=-126.525;36.000
p121=-126.658;36.500
p122=-126.794;37.000
p123=-126.918;37.500
p124=-127.000;37.864
p125=-127.034;38.000
p126=-127.113;38.500
p127=-127.153;39.000
p128=-127.110;39.500
p129=-127.000;39.936

[C7]

gain=-20.00
n_point=191
p1=-131.000;42.148
p2=-130.883;42.500
p3=-130.658;43.000
p4=-130.500;43.154
p5=-130.069;43.500
p6=-130.000;43.548
p7=-129.500;43.829
p8=-129.000;43.935
p9=-128.500;43.870
p10=-128.000;43.799
p11=-127.500;43.609
p12=-127.266;43.500

p13=-127.000;43.373
p14=-126.500;43.154
p15=-126.112;43.000
p16=-126.000;42.963
p17=-125.500;42.776
p18=-125.000;42.628
p19=-124.500;42.506
p20=-124.464;42.500
p21=-124.000;42.431
p22=-123.500;42.366
p23=-123.000;42.332
p24=-122.500;42.334
p25=-122.000;42.338
p26=-121.500;42.387
p27=-121.000;42.478
p28=-120.902;42.500
p29=-120.500;42.629
p30=-120.000;42.949
p31=-119.920;43.000
p32=-119.500;43.431
p33=-119.447;43.500
p34=-119.298;44.000
p35=-119.000;44.474
p36=-118.978;44.500
p37=-118.500;44.762
p38=-118.000;44.824
p39=-117.500;44.861
p40=-117.000;44.794
p41=-116.500;44.711
p42=-116.000;44.603
p43=-115.678;44.500
p44=-115.500;44.422
p45=-115.000;44.219
p46=-114.547;44.000
p47=-114.500;43.979
p48=-114.000;43.700
p49=-113.616;43.500
p50=-113.500;43.434
p51=-113.000;43.080
p52=-112.888;43.000
p53=-112.500;42.668
p54=-112.297;42.500
p55=-112.000;42.265
p56=-111.733;42.000
p57=-111.500;41.726
p58=-111.314;41.500
p59=-111.000;41.122
p60=-110.897;41.000
p61=-110.536;40.500
p62=-110.500;40.440
p63=-110.281;40.000
p64=-110.014;39.500
p65=-110.000;39.467
p66=-109.847;39.000
p67=-109.744;38.500
p68=-109.769;38.000
p69=-110.000;37.537

p70=-110.056;37.500
p71=-110.500;37.400
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p79=-111.412;35.000
p80=-111.243;34.500
p81=-111.000;34.018
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p127=-117.000;25.894
p128=-117.500;25.583
p129=-117.677;25.500
p130=-118.000;25.375
p131=-118.500;25.268
p132=-119.000;25.205
p133=-119.500;25.162
p134=-120.000;25.211
p135=-120.500;25.277
p136=-121.000;25.427
p137=-121.218;25.500
p138=-121.500;25.600
p139=-122.000;25.795
p140=-122.459;26.000
p141=-122.500;26.020
p142=-123.000;26.292
p143=-123.334;26.500
p144=-123.500;26.605
p145=-124.000;26.972
p146=-124.030;27.000
p147=-124.500;27.469
p148=-124.530;27.500
p149=-124.996;28.000
p150=-125.000;28.005
p151=-125.387;28.500
p152=-125.500;28.644
p153=-125.730;29.000
p154=-126.000;29.426
p155=-126.044;29.500
p156=-126.314;30.000
p157=-126.500;30.386
p158=-126.555;30.500
p159=-126.752;31.000
p160=-126.910;31.500
p161=-127.000;31.873
p162=-127.028;32.000
p163=-127.104;32.500
p164=-127.123;33.000
p165=-127.162;33.500
p166=-127.186;34.000
p167=-127.253;34.500
p168=-127.357;35.000
p169=-127.492;35.500
p170=-127.500;35.521
p171=-127.678;36.000
p172=-127.869;36.500
p173=-128.000;36.752
p174=-128.148;37.000
p175=-128.424;37.500
p176=-128.500;37.622
p177=-128.773;38.000
p178=-129.000;38.320
p179=-129.159;38.500
p180=-129.500;38.949
p181=-129.544;39.000
p182=-129.951;39.500
p183=-130.000;39.575

p184=-130.289;40.000
p185=-130.500;40.343
p186=-130.589;40.500
p187=-130.856;41.000
p188=-130.933;41.500
p189=-131.000;41.817
p190=-131.038;42.000
p191=-131.000;42.148