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

[COHeader]
beam_id=RD4
emi_rcp=E
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-102.045;45.171

[C1]
gain=-2.00
n_point=51
p1=-104.500;48.023
p2=-104.111;48.500
p3=-104.000;48.640
p4=-103.572;49.000
p5=-103.500;49.035
p6=-103.000;49.190
p7=-102.500;49.269
p8=-102.000;49.225
p9=-101.500;49.174
p10=-101.097;49.000
p11=-101.000;48.938
p12=-100.500;48.609
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p15=-99.872;48.000
p16=-99.500;47.510
p17=-99.493;47.500
p18=-99.256;47.000
p19=-99.013;46.500
p20=-99.000;46.426
p21=-98.947;46.000
p22=-98.922;45.500
p23=-98.934;45.000
p24=-99.000;44.739
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p26=-99.251;44.000
p27=-99.500;43.640
p28=-99.621;43.500
p29=-100.000;43.110
p30=-100.154;43.000
p31=-100.500;42.814
p32=-101.000;42.675
p33=-101.500;42.632

p34=-102.000;42.708
p35=-102.500;42.864
p36=-102.784;43.000
p37=-103.000;43.129
p38=-103.434;43.500
p39=-103.500;43.556
p40=-104.000;43.988
p41=-104.010;44.000
p42=-104.251;44.500
p43=-104.500;44.971
p44=-104.515;45.000
p45=-104.682;45.500
p46=-104.776;46.000
p47=-104.864;46.500
p48=-104.795;47.000
p49=-104.711;47.500
p50=-104.514;48.000
p51=-104.500;48.023

[C2]

gain=-4.00
n_point=73
p1=-106.000;48.039
p2=-105.845;48.500
p3=-105.637;49.000
p4=-105.500;49.202
p5=-105.287;49.500
p6=-105.000;49.834
p7=-104.782;50.000
p8=-104.500;50.218
p9=-104.078;50.500
p10=-104.000;50.534
p11=-103.500;50.638
p12=-103.000;50.743
p13=-102.500;50.718
p14=-102.000;50.682
p15=-101.500;50.583
p16=-101.250;50.500
p17=-101.000;50.393
p18=-100.500;50.181
p19=-100.253;50.000
p20=-100.000;49.806
p21=-99.611;49.500
p22=-99.500;49.414
p23=-99.052;49.000
p24=-99.000;48.932
p25=-98.735;48.500
p26=-98.500;48.112
p27=-98.432;48.000
p28=-98.165;47.500
p29=-98.002;47.000
p30=-98.000;46.994
p31=-97.878;46.500
p32=-97.829;46.000
p33=-97.811;45.500
p34=-97.820;45.000
p35=-97.918;44.500

p36=-98.000;44.079
p37=-98.019;44.000
p38=-98.257;43.500
p39=-98.500;43.011
p40=-98.507;43.000
p41=-98.915;42.500
p42=-99.000;42.414
p43=-99.473;42.000
p44=-99.500;41.979
p45=-100.000;41.723
p46=-100.500;41.513
p47=-100.601;41.500
p48=-101.000;41.461
p49=-101.500;41.436
p50=-101.870;41.500
p51=-102.000;41.527
p52=-102.500;41.655
p53=-103.000;41.894
p54=-103.207;42.000
p55=-103.500;42.174
p56=-103.924;42.500
p57=-104.000;42.561
p58=-104.478;43.000
p59=-104.500;43.027
p60=-104.877;43.500
p61=-105.000;43.642
p62=-105.241;44.000
p63=-105.471;44.500
p64=-105.500;44.561
p65=-105.695;45.000
p66=-105.862;45.500
p67=-105.968;46.000
p68=-106.000;46.149
p69=-106.077;46.500
p70=-106.068;47.000
p71=-106.062;47.500
p72=-106.009;48.000
p73=-106.000;48.039

[C3]

gain=-6.00
n_point=87
p1=-107.000;48.127
p2=-106.907;48.500
p3=-106.794;49.000
p4=-106.595;49.500
p5=-106.500;49.714
p6=-106.336;50.000
p7=-106.016;50.500
p8=-106.000;50.515
p9=-105.500;50.986
p10=-105.478;51.000
p11=-105.000;51.282
p12=-104.612;51.500
p13=-104.500;51.561
p14=-104.000;51.711
p15=-103.500;51.814

p16=-103.000;51.865
p17=-102.500;51.826
p18=-102.000;51.788
p19=-101.500;51.642
p20=-101.056;51.500
p21=-101.000;51.481
p22=-100.500;51.271
p23=-100.051;51.000
p24=-100.000;50.970
p25=-99.500;50.677
p26=-99.273;50.500
p27=-99.000;50.243
p28=-98.767;50.000
p29=-98.500;49.695
p30=-98.338;49.500
p31=-98.000;49.113
p32=-97.924;49.000
p33=-97.694;48.500
p34=-97.500;48.070
p35=-97.469;48.000
p36=-97.269;47.500
p37=-97.151;47.000
p38=-97.033;46.500
p39=-97.000;46.109
p40=-96.993;46.000
p41=-96.985;45.500
p42=-96.998;45.000
p43=-97.000;44.991
p44=-97.097;44.500
p45=-97.192;44.000
p46=-97.374;43.500
p47=-97.500;43.168
p48=-97.576;43.000
p49=-97.872;42.500
p50=-98.000;42.319
p51=-98.250;42.000
p52=-98.500;41.704
p53=-98.729;41.500
p54=-99.000;41.314
p55=-99.486;41.000
p56=-99.500;40.991
p57=-100.000;40.810
p58=-100.500;40.644
p59=-101.000;40.616
p60=-101.500;40.599
p61=-102.000;40.704
p62=-102.500;40.813
p63=-102.934;41.000
p64=-103.000;41.030
p65=-103.500;41.256
p66=-103.875;41.500
p67=-104.000;41.592
p68=-104.500;41.962
p69=-104.541;42.000
p70=-105.000;42.461
p71=-105.036;42.500
p72=-105.479;43.000

p73=-105.500;43.030
p74=-105.819;43.500
p75=-106.000;43.753
p76=-106.143;44.000
p77=-106.357;44.500
p78=-106.500;44.818
p79=-106.575;45.000
p80=-106.741;45.500
p81=-106.853;46.000
p82=-106.969;46.500
p83=-107.000;46.967
p84=-107.002;47.000
p85=-107.031;47.500
p86=-107.024;48.000
p87=-107.000;48.127

[C4]

gain=-8.00
n_point=99
p1=-107.500;49.681
p2=-107.363;50.000
p3=-107.147;50.500
p4=-107.000;50.718
p5=-106.792;51.000
p6=-106.500;51.363
p7=-106.358;51.500
p8=-106.000;51.859
p9=-105.833;52.000
p10=-105.500;52.188
p11=-105.000;52.395
p12=-104.732;52.500
p13=-104.500;52.588
p14=-104.000;52.672
p15=-103.500;52.757
p16=-103.000;52.753
p17=-102.500;52.718
p18=-102.000;52.664
p19=-101.500;52.520
p20=-101.430;52.500
p21=-101.000;52.380
p22=-100.500;52.183
p23=-100.116;52.000
p24=-100.000;51.935
p25=-99.500;51.659
p26=-99.300;51.500
p27=-99.000;51.247
p28=-98.714;51.000
p29=-98.500;50.820
p30=-98.157;50.500
p31=-98.000;50.324
p32=-97.765;50.000
p33=-97.500;49.597
p34=-97.435;49.500
p35=-97.095;49.000
p36=-97.000;48.795
p37=-96.892;48.500
p38=-96.713;48.000

p39=-96.551;47.500
p40=-96.500;47.232
p41=-96.460;47.000
p42=-96.375;46.500
p43=-96.348;46.000
p44=-96.348;45.500
p45=-96.366;45.000
p46=-96.448;44.500
p47=-96.500;44.168
p48=-96.531;44.000
p49=-96.705;43.500
p50=-96.887;43.000
p51=-97.000;42.756
p52=-97.133;42.500
p53=-97.431;42.000
p54=-97.500;41.891
p55=-97.810;41.500
p56=-98.000;41.311
p57=-98.330;41.000
p58=-98.500;40.835
p59=-98.992;40.500
p60=-99.000;40.496
p61=-99.500;40.256
p62=-100.000;40.125
p63=-100.500;40.004
p64=-100.590;40.000
p65=-101.000;39.983
p66=-101.500;39.984
p67=-101.595;40.000
p68=-102.000;40.069
p69=-102.500;40.176
p70=-103.000;40.353
p71=-103.392;40.500
p72=-103.500;40.550
p73=-104.000;40.869
p74=-104.214;41.000
p75=-104.500;41.187
p76=-104.875;41.500
p77=-105.000;41.616
p78=-105.420;42.000
p79=-105.500;42.085
p80=-105.849;42.500
p81=-106.000;42.676
p82=-106.251;43.000
p83=-106.500;43.416
p84=-106.552;43.500
p85=-106.860;44.000
p86=-107.000;44.307
p87=-107.078;44.500
p88=-107.283;45.000
p89=-107.482;45.500
p90=-107.500;45.577
p91=-107.581;46.000
p92=-107.691;46.500
p93=-107.738;47.000
p94=-107.781;47.500
p95=-107.782;48.000

p96=-107.718;48.500
p97=-107.667;49.000
p98=-107.557;49.500
p99=-107.500;49.681

[C5]

gain=-10.00
n_point=109
p1=-108.000;50.528
p2=-107.748;51.000
p3=-107.500;51.395
p4=-107.431;51.500
p5=-107.133;52.000
p6=-107.000;52.140
p7=-106.501;52.500
p8=-106.500;52.500
p9=-106.000;52.889
p10=-105.773;53.000
p11=-105.500;53.128
p12=-105.000;53.356
p13=-104.500;53.494
p14=-104.465;53.500
p15=-104.000;53.557
p16=-103.500;53.610
p17=-103.000;53.578
p18=-102.500;53.548
p19=-102.181;53.500
p20=-102.000;53.467
p21=-101.500;53.322
p22=-101.000;53.181
p23=-100.593;53.000
p24=-100.500;52.958
p25=-100.000;52.705
p26=-99.605;52.500
p27=-99.500;52.448
p28=-99.000;52.103
p29=-98.845;52.000
p30=-98.500;51.730
p31=-98.247;51.500
p32=-98.000;51.256
p33=-97.777;51.000
p34=-97.500;50.692
p35=-97.324;50.500
p36=-97.000;50.064
p37=-96.964;50.000
p38=-96.704;49.500
p39=-96.500;49.123
p40=-96.435;49.000
p41=-96.258;48.500
p42=-96.088;48.000
p43=-96.000;47.706
p44=-95.947;47.500
p45=-95.878;47.000
p46=-95.809;46.500
p47=-95.795;46.000
p48=-95.805;45.500
p49=-95.831;45.000

p50=-95.917;44.500
p51=-95.998;44.000
p52=-96.000;43.993
p53=-96.164;43.500
p54=-96.332;43.000
p55=-96.500;42.590
p56=-96.544;42.500
p57=-96.832;42.000
p58=-97.000;41.721
p59=-97.145;41.500
p60=-97.500;41.057
p61=-97.558;41.000
p62=-98.000;40.555
p63=-98.056;40.500
p64=-98.500;40.178
p65=-98.851;40.000
p66=-99.000;39.923
p67=-99.500;39.669
p68=-100.000;39.529
p69=-100.122;39.500
p70=-100.500;39.439
p71=-101.000;39.423
p72=-101.500;39.433
p73=-102.000;39.498
p74=-102.011;39.500
p75=-102.500;39.626
p76=-103.000;39.814
p77=-103.451;40.000
p78=-103.500;40.020
p79=-104.000;40.284
p80=-104.403;40.500
p81=-104.500;40.562
p82=-105.000;40.956
p83=-105.059;41.000
p84=-105.500;41.361
p85=-105.643;41.500
p86=-106.000;41.877
p87=-106.117;42.000
p88=-106.500;42.472
p89=-106.521;42.500
p90=-106.909;43.000
p91=-107.000;43.144
p92=-107.194;43.500
p93=-107.470;44.000
p94=-107.500;44.066
p95=-107.685;44.500
p96=-107.883;45.000
p97=-108.000;45.342
p98=-108.055;45.500
p99=-108.175;46.000
p100=-108.300;46.500
p101=-108.358;47.000
p102=-108.407;47.500
p103=-108.438;48.000
p104=-108.412;48.500
p105=-108.398;49.000
p106=-108.283;49.500

p107=-108.136;50.000
p108=-108.012;50.500
p109=-108.000;50.528

[C6]

gain=-15.00
n_point=129
p1=-109.500;50.534
p2=-109.362;51.000
p3=-109.193;51.500
p4=-109.020;52.000
p5=-109.000;52.031
p6=-108.721;52.500
p7=-108.500;52.903
p8=-108.424;53.000
p9=-108.028;53.500
p10=-108.000;53.527
p11=-107.500;53.992
p12=-107.486;54.000
p13=-107.000;54.300
p14=-106.698;54.500
p15=-106.500;54.636
p16=-106.000;54.841
p17=-105.596;55.000
p18=-105.500;55.028
p19=-105.000;55.122
p20=-104.500;55.168
p21=-104.000;55.212
p22=-103.500;55.190
p23=-103.000;55.160
p24=-102.500;55.122
p25=-102.000;55.028
p26=-101.842;55.000
p27=-101.500;54.904
p28=-101.000;54.729
p29=-100.519;54.500
p30=-100.500;54.491
p31=-100.000;54.268
p32=-99.500;54.005
p33=-99.492;54.000
p34=-99.000;53.716
p35=-98.593;53.500
p36=-98.500;53.439
p37=-98.000;53.039
p38=-97.953;53.000
p39=-97.500;52.585
p40=-97.406;52.500
p41=-97.000;52.146
p42=-96.860;52.000
p43=-96.500;51.547
p44=-96.462;51.500
p45=-96.109;51.000
p46=-96.000;50.850
p47=-95.765;50.500
p48=-95.506;50.000
p49=-95.500;49.986
p50=-95.300;49.500

p51=-95.100;49.000
p52=-95.000;48.612
p53=-94.971;48.500
p54=-94.853;48.000
p55=-94.759;47.500
p56=-94.722;47.000
p57=-94.688;46.500
p58=-94.705;46.000
p59=-94.743;45.500
p60=-94.795;45.000
p61=-94.901;44.500
p62=-94.995;44.000
p63=-95.000;43.985
p64=-95.163;43.500
p65=-95.324;43.000
p66=-95.500;42.529
p67=-95.513;42.500
p68=-95.771;42.000
p69=-96.000;41.530
p70=-96.017;41.500
p71=-96.361;41.000
p72=-96.500;40.761
p73=-96.697;40.500
p74=-97.000;40.201
p75=-97.205;40.000
p76=-97.500;39.669
p77=-97.709;39.500
p78=-98.000;39.331
p79=-98.500;39.028
p80=-98.569;39.000
p81=-99.000;38.823
p82=-99.500;38.627
p83=-100.000;38.512
p84=-100.076;38.500
p85=-100.500;38.458
p86=-101.000;38.450
p87=-101.500;38.472
p88=-101.790;38.500
p89=-102.000;38.533
p90=-102.500;38.663
p91=-103.000;38.819
p92=-103.473;39.000
p93=-103.500;39.010
p94=-104.000;39.217
p95=-104.500;39.439
p96=-104.624;39.500
p97=-105.000;39.744
p98=-105.393;40.000
p99=-105.500;40.071
p100=-106.000;40.440
p101=-106.081;40.500
p102=-106.500;40.867
p103=-106.646;41.000
p104=-107.000;41.359
p105=-107.132;41.500
p106=-107.500;41.935
p107=-107.558;42.000

p108=-107.929;42.500
p109=-108.000;42.600
p110=-108.273;43.000
p111=-108.500;43.439
p112=-108.530;43.500
p113=-108.781;44.000
p114=-108.980;44.500
p115=-109.000;44.555
p116=-109.159;45.000
p117=-109.323;45.500
p118=-109.437;46.000
p119=-109.500;46.262
p120=-109.557;46.500
p121=-109.622;47.000
p122=-109.678;47.500
p123=-109.730;48.000
p124=-109.724;48.500
p125=-109.714;49.000
p126=-109.670;49.500
p127=-109.586;50.000
p128=-109.510;50.500
p129=-109.500;50.534

[C7]

gain=-20.00
n_point=143
p1=-110.500;50.721
p2=-110.442;51.000
p3=-110.314;51.500
p4=-110.175;52.000
p5=-110.000;52.435
p6=-109.973;52.500
p7=-109.775;53.000
p8=-109.560;53.500
p9=-109.500;53.605
p10=-109.275;54.000
p11=-109.000;54.397
p12=-108.897;54.500
p13=-108.500;54.924
p14=-108.433;55.000
p15=-108.000;55.427
p16=-107.880;55.500
p17=-107.500;55.699
p18=-107.000;55.945
p19=-106.818;56.000
p20=-106.500;56.091
p21=-106.000;56.217
p22=-105.500;56.319
p23=-105.000;56.344
p24=-104.500;56.369
p25=-104.000;56.356
p26=-103.500;56.300
p27=-103.000;56.246
p28=-102.500;56.140
p29=-102.000;56.007
p30=-101.971;56.000
p31=-101.500;55.883

p32=-101.000;55.699
p33=-100.500;55.510
p34=-100.471;55.500
p35=-100.000;55.345
p36=-99.500;55.150
p37=-99.103;55.000
p38=-99.000;54.934
p39=-98.500;54.629
p40=-98.316;54.500
p41=-98.000;54.273
p42=-97.611;54.000
p43=-97.500;53.924
p44=-97.000;53.600
p45=-96.855;53.500
p46=-96.500;53.178
p47=-96.324;53.000
p48=-96.000;52.655
p49=-95.812;52.500
p50=-95.500;52.197
p51=-95.321;52.000
p52=-95.000;51.525
p53=-94.983;51.500
p54=-94.662;51.000
p55=-94.500;50.704
p56=-94.328;50.500
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p62=-93.711;48.000
p63=-93.686;47.500
p64=-93.702;47.000
p65=-93.718;46.500
p66=-93.786;46.000
p67=-93.873;45.500
p68=-93.978;45.000
p69=-94.000;44.939
p70=-94.123;44.500
p71=-94.247;44.000
p72=-94.424;43.500
p73=-94.500;43.275
p74=-94.606;43.000
p75=-94.834;42.500
p76=-95.000;42.190
p77=-95.096;42.000
p78=-95.362;41.500
p79=-95.500;41.266
p80=-95.684;41.000
p81=-95.937;40.500
p82=-96.000;40.401
p83=-96.332;40.000
p84=-96.500;39.745
p85=-96.721;39.500
p86=-97.000;39.233
p87=-97.270;39.000
p88=-97.500;38.804

p89=-97.970;38.500
p90=-98.000;38.479
p91=-98.500;38.212
p92=-99.000;38.057
p93=-99.227;38.000
p94=-99.500;37.938
p95=-100.000;37.870
p96=-100.500;37.839
p97=-101.000;37.846
p98=-101.500;37.898
p99=-102.000;37.970
p100=-102.133;38.000
p101=-102.500;38.081
p102=-103.000;38.195
p103=-103.500;38.307
p104=-104.000;38.441
p105=-104.188;38.500
p106=-104.500;38.642
p107=-105.000;38.875
p108=-105.354;39.000
p109=-105.500;39.060
p110=-106.000;39.301
p111=-106.415;39.500
p112=-106.500;39.546
p113=-107.000;39.809
p114=-107.358;40.000
p115=-107.500;40.097
p116=-108.000;40.323
p117=-108.239;40.500
p118=-108.500;40.793
p119=-108.900;41.000
p120=-109.000;41.056
p121=-109.420;41.500
p122=-109.500;41.615
p123=-109.731;42.000
p124=-109.903;42.500
p125=-110.000;42.863
p126=-110.063;43.000
p127=-110.273;43.500
p128=-110.383;44.000
p129=-110.418;44.500
p130=-110.500;44.903
p131=-110.534;45.000
p132=-110.661;45.500
p133=-110.678;46.000
p134=-110.745;46.500
p135=-110.772;47.000
p136=-110.788;47.500
p137=-110.814;48.000
p138=-110.756;48.500
p139=-110.723;49.000
p140=-110.662;49.500
p141=-110.573;50.000
p142=-110.537;50.500
p143=-110.500;50.721