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format_ver=1

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

[COHeader]
beam_id=RD14
emi_rcp=E
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-98.487;39.466

[C1]
gain=-2.00
n_point=45
p1=-100.500;40.815
p2=-100.405;41.000
p3=-100.119;41.500
p4=-100.000;41.632
p5=-99.614;42.000
p6=-99.500;42.092
p7=-99.000;42.315
p8=-98.500;42.459
p9=-98.000;42.446
p10=-97.500;42.356
p11=-97.000;42.116
p12=-96.816;42.000
p13=-96.500;41.785
p14=-96.223;41.500
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p16=-95.921;41.000
p17=-95.655;40.500
p18=-95.574;40.000
p19=-95.500;39.548
p20=-95.494;39.500
p21=-95.500;39.460
p22=-95.588;39.000
p23=-95.703;38.500
p24=-95.978;38.000
p25=-96.000;37.964
p26=-96.320;37.500
p27=-96.500;37.327
p28=-97.000;37.070
p29=-97.162;37.000
p30=-97.500;36.869
p31=-98.000;36.858
p32=-98.500;36.911
p33=-98.731;37.000

p34=-99.000;37.114
p35=-99.500;37.411
p36=-99.608;37.500
p37=-100.000;37.979
p38=-100.014;38.000
p39=-100.335;38.500
p40=-100.500;38.983
p41=-100.505;39.000
p42=-100.636;39.500
p43=-100.619;40.000
p44=-100.603;40.500
p45=-100.500;40.815

[C2]

gain=-4.00
n_point=61
p1=-101.500;41.295
p2=-101.431;41.500
p3=-101.157;42.000
p4=-101.000;42.247
p5=-100.817;42.500
p6=-100.500;42.846
p7=-100.310;43.000
p8=-100.000;43.206
p9=-99.500;43.452
p10=-99.346;43.500
p11=-99.000;43.605
p12=-98.500;43.674
p13=-98.000;43.664
p14=-97.500;43.583
p15=-97.248;43.500
p16=-97.000;43.415
p17=-96.500;43.179
p18=-96.230;43.000
p19=-96.000;42.822
p20=-95.647;42.500
p21=-95.500;42.338
p22=-95.264;42.000
p23=-95.000;41.589
p24=-94.950;41.500
p25=-94.772;41.000
p26=-94.596;40.500
p27=-94.550;40.000
p28=-94.504;39.500
p29=-94.579;39.000
p30=-94.664;38.500
p31=-94.855;38.000
p32=-95.000;37.654
p33=-95.073;37.500
p34=-95.428;37.000
p35=-95.500;36.905
p36=-95.917;36.500
p37=-96.000;36.440
p38=-96.500;36.106
p39=-96.808;36.000
p40=-97.000;35.939
p41=-97.500;35.809

p42=-98.000;35.800
p43=-98.500;35.854
p44=-99.000;35.993
p45=-99.016;36.000
p46=-99.500;36.229
p47=-99.969;36.500
p48=-100.000;36.524
p49=-100.462;37.000
p50=-100.500;37.039
p51=-100.894;37.500
p52=-101.000;37.681
p53=-101.152;38.000
p54=-101.397;38.500
p55=-101.500;38.875
p56=-101.530;39.000
p57=-101.649;39.500
p58=-101.656;40.000
p59=-101.664;40.500
p60=-101.571;41.000
p61=-101.500;41.295

[C3]

gain=-6.00
n_point=73
p1=-102.000;42.210
p2=-101.861;42.500
p3=-101.557;43.000
p4=-101.500;43.071
p5=-101.095;43.500
p6=-101.000;43.602
p7=-100.508;44.000
p8=-100.500;44.004
p9=-100.000;44.253
p10=-99.500;44.413
p11=-99.136;44.500
p12=-99.000;44.533
p13=-98.500;44.571
p14=-98.000;44.563
p15=-97.604;44.500
p16=-97.500;44.484
p17=-97.000;44.352
p18=-96.500;44.164
p19=-96.175;44.000
p20=-96.000;43.887
p21=-95.500;43.505
p22=-95.495;43.500
p23=-95.000;43.001
p24=-94.999;43.000
p25=-94.619;42.500
p26=-94.500;42.308
p27=-94.345;42.000
p28=-94.113;41.500
p29=-94.000;41.114
p30=-93.971;41.000
p31=-93.849;40.500
p32=-93.822;40.000
p33=-93.795;39.500

p34=-93.857;39.000
p35=-93.925;38.500
p36=-94.000;38.244
p37=-94.084;38.000
p38=-94.272;37.500
p39=-94.500;37.082
p40=-94.553;37.000
p41=-94.896;36.500
p42=-95.000;36.385
p43=-95.391;36.000
p44=-95.500;35.896
p45=-96.000;35.547
p46=-96.073;35.500
p47=-96.500;35.290
p48=-97.000;35.162
p49=-97.500;35.062
p50=-98.000;35.055
p51=-98.500;35.105
p52=-99.000;35.217
p53=-99.500;35.404
p54=-99.720;35.500
p55=-100.000;35.660
p56=-100.426;36.000
p57=-100.500;36.059
p58=-101.000;36.478
p59=-101.020;36.500
p60=-101.368;37.000
p61=-101.500;37.187
p62=-101.715;37.500
p63=-101.954;38.000
p64=-102.000;38.100
p65=-102.155;38.500
p66=-102.268;39.000
p67=-102.391;39.500
p68=-102.419;40.000
p69=-102.448;40.500
p70=-102.379;41.000
p71=-102.272;41.500
p72=-102.091;42.000
p73=-102.000;42.210

[C4]

gain=-8.00
n_point=85
p1=-103.000;40.913
p2=-102.991;41.000
p3=-102.925;41.500
p4=-102.794;42.000
p5=-102.622;42.500
p6=-102.500;42.783
p7=-102.386;43.000
p8=-102.056;43.500
p9=-102.000;43.589
p10=-101.666;44.000
p11=-101.500;44.138
p12=-101.045;44.500
p13=-101.000;44.538

p14=-100.500;44.826
p15=-100.176;45.000
p16=-100.000;45.075
p17=-99.500;45.191
p18=-99.000;45.291
p19=-98.500;45.310
p20=-98.000;45.302
p21=-97.500;45.228
p22=-97.000;45.119
p23=-96.629;45.000
p24=-96.500;44.947
p25=-96.000;44.679
p26=-95.722;44.500
p27=-95.500;44.364
p28=-95.022;44.000
p29=-95.000;43.979
p30=-94.559;43.500
p31=-94.500;43.433
p32=-94.187;43.000
p33=-94.000;42.702
p34=-93.886;42.500
p35=-93.659;42.000
p36=-93.500;41.618
p37=-93.460;41.500
p38=-93.356;41.000
p39=-93.253;40.500
p40=-93.235;40.000
p41=-93.217;39.500
p42=-93.281;39.000
p43=-93.351;38.500
p44=-93.493;38.000
p45=-93.500;37.977
p46=-93.665;37.500
p47=-93.909;37.000
p48=-94.000;36.819
p49=-94.193;36.500
p50=-94.500;36.108
p51=-94.598;36.000
p52=-95.000;35.569
p53=-95.073;35.500
p54=-95.500;35.184
p55=-95.832;35.000
p56=-96.000;34.909
p57=-96.500;34.662
p58=-97.000;34.531
p59=-97.159;34.500
p60=-97.500;34.451
p61=-98.000;34.444
p62=-98.500;34.486
p63=-98.586;34.500
p64=-99.000;34.593
p65=-99.500;34.792
p66=-99.975;35.000
p67=-100.000;35.011
p68=-100.500;35.339
p69=-100.749;35.500
p70=-101.000;35.708

p71=-101.265;36.000
p72=-101.500;36.257
p73=-101.726;36.500
p74=-102.000;36.879
p75=-102.068;37.000
p76=-102.347;37.500
p77=-102.500;37.866
p78=-102.555;38.000
p79=-102.757;38.500
p80=-102.872;39.000
p81=-102.989;39.500
p82=-103.000;39.705
p83=-103.015;40.000
p84=-103.039;40.500
p85=-103.000;40.913

[C5]

gain=-10.00
n_point=93
p1=-103.500;41.499
p2=-103.500;41.500
p3=-103.372;42.000
p4=-103.214;42.500
p5=-103.034;43.000
p6=-103.000;43.073
p7=-102.754;43.500
p8=-102.500;43.937
p9=-102.460;44.000
p10=-102.012;44.500
p11=-102.000;44.514
p12=-101.500;44.940
p13=-101.430;45.000
p14=-101.000;45.289
p15=-100.512;45.500
p16=-100.500;45.505
p17=-100.000;45.713
p18=-99.500;45.816
p19=-99.000;45.916
p20=-98.500;45.924
p21=-98.000;45.917
p22=-97.500;45.834
p23=-97.000;45.723
p24=-96.500;45.555
p25=-96.370;45.500
p26=-96.000;45.340
p27=-95.500;45.083
p28=-95.368;45.000
p29=-95.000;44.701
p30=-94.777;44.500
p31=-94.500;44.265
p32=-94.245;44.000
p33=-94.000;43.676
p34=-93.878;43.500
p35=-93.542;43.000
p36=-93.500;42.927
p37=-93.301;42.500
p38=-93.108;42.000

p39=-93.000;41.697
p40=-92.940;41.500
p41=-92.851;41.000
p42=-92.766;40.500
p43=-92.757;40.000
p44=-92.748;39.500
p45=-92.810;39.000
p46=-92.875;38.500
p47=-92.996;38.000
p48=-93.000;37.986
p49=-93.162;37.500
p50=-93.399;37.000
p51=-93.500;36.794
p52=-93.657;36.500
p53=-93.993;36.000
p54=-94.000;35.990
p55=-94.402;35.500
p56=-94.500;35.407
p57=-94.980;35.000
p58=-95.000;34.983
p59=-95.500;34.607
p60=-95.692;34.500
p61=-96.000;34.373
p62=-96.500;34.179
p63=-97.000;34.074
p64=-97.482;34.000
p65=-97.500;33.997
p66=-98.000;33.989
p67=-98.119;34.000
p68=-98.500;34.036
p69=-99.000;34.124
p70=-99.500;34.285
p71=-100.000;34.455
p72=-100.088;34.500
p73=-100.500;34.781
p74=-100.823;35.000
p75=-101.000;35.119
p76=-101.448;35.500
p77=-101.500;35.557
p78=-101.901;36.000
p79=-102.000;36.105
p80=-102.297;36.500
p81=-102.500;36.850
p82=-102.588;37.000
p83=-102.891;37.500
p84=-103.000;37.759
p85=-103.078;38.000
p86=-103.251;38.500
p87=-103.361;39.000
p88=-103.482;39.500
p89=-103.500;39.684
p90=-103.526;40.000
p91=-103.564;40.500
p92=-103.547;41.000
p93=-103.500;41.499

[C6]

gain=-15.00
n_point=109
p1=-104.500;41.597
p2=-104.424;42.000
p3=-104.303;42.500
p4=-104.171;43.000
p5=-104.002;43.500
p6=-104.000;43.506
p7=-103.807;44.000
p8=-103.500;44.421
p9=-103.446;44.500
p10=-103.137;45.000
p11=-103.000;45.167
p12=-102.633;45.500
p13=-102.500;45.618
p14=-102.067;46.000
p15=-102.000;46.056
p16=-101.500;46.370
p17=-101.285;46.500
p18=-101.000;46.626
p19=-100.500;46.785
p20=-100.000;46.940
p21=-99.627;47.000
p22=-99.500;47.021
p23=-99.000;47.103
p24=-98.500;47.095
p25=-98.000;47.088
p26=-97.500;47.002
p27=-97.487;47.000
p28=-97.000;46.908
p29=-96.500;46.759
p30=-96.000;46.590
p31=-95.778;46.500
p32=-95.500;46.358
p33=-95.000;46.061
p34=-94.905;46.000
p35=-94.500;45.707
p36=-94.266;45.500
p37=-94.000;45.271
p38=-93.686;45.000
p39=-93.500;44.783
p40=-93.310;44.500
p41=-93.000;44.092
p42=-92.932;44.000
p43=-92.660;43.500
p44=-92.500;43.199
p45=-92.417;43.000
p46=-92.238;42.500
p47=-92.090;42.000
p48=-92.000;41.675
p49=-91.961;41.500
p50=-91.901;41.000
p51=-91.846;40.500
p52=-91.851;40.000
p53=-91.856;39.500
p54=-91.915;39.000
p55=-91.971;38.500

p56=-92.000;38.358
p57=-92.107;38.000
p58=-92.261;37.500
p59=-92.477;37.000
p60=-92.500;36.949
p61=-92.699;36.500
p62=-92.966;36.000
p63=-93.000;35.930
p64=-93.302;35.500
p65=-93.500;35.286
p66=-93.756;35.000
p67=-94.000;34.698
p68=-94.201;34.500
p69=-94.500;34.287
p70=-94.916;34.000
p71=-95.000;33.937
p72=-95.500;33.611
p73=-95.730;33.500
p74=-96.000;33.417
p75=-96.500;33.266
p76=-97.000;33.179
p77=-97.500;33.117
p78=-98.000;33.105
p79=-98.500;33.143
p80=-99.000;33.207
p81=-99.500;33.337
p82=-100.000;33.477
p83=-100.057;33.500
p84=-100.500;33.748
p85=-100.939;34.000
p86=-101.000;34.035
p87=-101.500;34.373
p88=-101.673;34.500
p89=-102.000;34.804
p90=-102.189;35.000
p91=-102.500;35.318
p92=-102.665;35.500
p93=-103.000;35.950
p94=-103.033;36.000
p95=-103.360;36.500
p96=-103.500;36.772
p97=-103.614;37.000
p98=-103.877;37.500
p99=-104.000;37.802
p100=-104.062;38.000
p101=-104.212;38.500
p102=-104.311;39.000
p103=-104.421;39.500
p104=-104.480;40.000
p105=-104.500;40.164
p106=-104.532;40.500
p107=-104.537;41.000
p108=-104.512;41.500
p109=-104.500;41.597

[C7]

gain=-20.00

n_point=119
p1=-105.000;42.587
p2=-104.911;43.000
p3=-104.746;43.500
p4=-104.613;44.000
p5=-104.500;44.164
p6=-104.306;44.500
p7=-104.091;45.000
p8=-104.000;45.152
p9=-103.691;45.500
p10=-103.500;45.732
p11=-103.269;46.000
p12=-103.000;46.318
p13=-102.804;46.500
p14=-102.500;46.696
p15=-102.007;47.000
p16=-102.000;47.005
p17=-101.500;47.308
p18=-101.136;47.500
p19=-101.000;47.544
p20=-100.500;47.666
p21=-100.000;47.770
p22=-99.500;47.833
p23=-99.000;47.886
p24=-98.500;47.876
p25=-98.000;47.867
p26=-97.500;47.788
p27=-97.000;47.715
p28=-96.500;47.605
p29=-96.031;47.500
p30=-96.000;47.487
p31=-95.500;47.226
p32=-95.115;47.000
p33=-95.000;46.939
p34=-94.500;46.669
p35=-94.235;46.500
p36=-94.000;46.307
p37=-93.619;46.000
p38=-93.500;45.895
p39=-93.148;45.500
p40=-93.000;45.338
p41=-92.679;45.000
p42=-92.500;44.749
p43=-92.361;44.500
p44=-92.072;44.000
p45=-92.000;43.837
p46=-91.843;43.500
p47=-91.626;43.000
p48=-91.500;42.612
p49=-91.472;42.500
p50=-91.375;42.000
p51=-91.294;41.500
p52=-91.251;41.000
p53=-91.210;40.500
p54=-91.229;40.000
p55=-91.247;39.500
p56=-91.329;39.000

p57=-91.411;38.500
p58=-91.500;38.189
p59=-91.554;38.000
p60=-91.692;37.500
p61=-91.868;37.000
p62=-92.000;36.520
p63=-92.010;36.500
p64=-92.359;36.000
p65=-92.500;35.773
p66=-92.655;35.500
p67=-92.987;35.000
p68=-93.000;34.975
p69=-93.415;34.500
p70=-93.500;34.448
p71=-93.981;34.000
p72=-94.000;33.973
p73=-94.500;33.541
p74=-94.552;33.500
p75=-95.000;33.295
p76=-95.500;33.031
p77=-95.581;33.000
p78=-96.000;32.833
p79=-96.500;32.653
p80=-97.000;32.546
p81=-97.296;32.500
p82=-97.500;32.480
p83=-98.000;32.462
p84=-98.500;32.482
p85=-98.722;32.500
p86=-99.000;32.532
p87=-99.500;32.662
p88=-100.000;32.809
p89=-100.471;33.000
p90=-100.500;33.012
p91=-101.000;33.219
p92=-101.475;33.500
p93=-101.500;33.517
p94=-102.000;33.860
p95=-102.177;34.000
p96=-102.500;34.276
p97=-102.742;34.500
p98=-103.000;34.771
p99=-103.195;35.000
p100=-103.500;35.407
p101=-103.577;35.500
p102=-103.919;36.000
p103=-104.000;36.131
p104=-104.192;36.500
p105=-104.410;37.000
p106=-104.500;37.215
p107=-104.627;37.500
p108=-104.781;38.000
p109=-104.938;38.500
p110=-105.000;38.803
p111=-105.040;39.000
p112=-105.133;39.500
p113=-105.170;40.000

p114=-105.206;40.500
p115=-105.194;41.000
p116=-105.164;41.500
p117=-105.095;42.000
p118=-105.015;42.500
p119=-105.000;42.587