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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=RD5
emi_rcp=E
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-94.644;46.342

[C1]
gain=-2.00
n_point=49
p1=-97.500;47.735
p2=-97.323;48.000
p3=-97.000;48.423
p4=-96.906;48.500
p5=-96.500;48.813
p6=-96.204;49.000
p7=-96.000;49.086
p8=-95.500;49.196
p9=-95.000;49.216
p10=-94.500;49.190
p11=-94.000;49.019
p12=-93.942;49.000
p13=-93.500;48.777
p14=-93.248;48.500
p15=-93.000;48.213
p16=-92.816;48.000
p17=-92.500;47.583
p18=-92.458;47.500
p19=-92.328;47.000
p20=-92.201;46.500
p21=-92.185;46.000
p22=-92.217;45.500
p23=-92.285;45.000
p24=-92.469;44.500
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p26=-92.711;44.000
p27=-93.000;43.659
p28=-93.147;43.500
p29=-93.500;43.143
p30=-93.719;43.000
p31=-94.000;42.854
p32=-94.500;42.660
p33=-95.000;42.608

p34=-95.500;42.632
p35=-96.000;42.799
p36=-96.424;43.000
p37=-96.500;43.046
p38=-96.993;43.500
p39=-97.000;43.507
p40=-97.418;44.000
p41=-97.500;44.169
p42=-97.632;44.500
p43=-97.843;45.000
p44=-97.925;45.500
p45=-97.968;46.000
p46=-97.957;46.500
p47=-97.806;47.000
p48=-97.648;47.500
p49=-97.500;47.735

[C2]

gain=-4.00
n_point=71
p1=-99.000;47.452
p2=-98.990;47.500
p3=-98.787;48.000
p4=-98.547;48.500
p5=-98.500;48.597
p6=-98.298;49.000
p7=-98.000;49.365
p8=-97.836;49.500
p9=-97.500;49.786
p10=-97.251;50.000
p11=-97.000;50.195
p12=-96.500;50.405
p13=-96.257;50.500
p14=-96.000;50.581
p15=-95.500;50.655
p16=-95.000;50.670
p17=-94.500;50.654
p18=-94.000;50.527
p19=-93.893;50.500
p20=-93.500;50.377
p21=-93.000;50.057
p22=-92.916;50.000
p23=-92.500;49.683
p24=-92.323;49.500
p25=-92.000;49.168
p26=-91.858;49.000
p27=-91.589;48.500
p28=-91.500;48.331
p29=-91.358;48.000
p30=-91.185;47.500
p31=-91.108;47.000
p32=-91.033;46.500
p33=-91.046;46.000
p34=-91.090;45.500
p35=-91.161;45.000
p36=-91.317;44.500
p37=-91.470;44.000

p38=-91.500;43.940
p39=-91.785;43.500
p40=-92.000;43.168
p41=-92.115;43.000
p42=-92.500;42.546
p43=-92.550;42.500
p44=-93.000;42.144
p45=-93.210;42.000
p46=-93.500;41.819
p47=-94.000;41.602
p48=-94.331;41.500
p49=-94.500;41.460
p50=-95.000;41.427
p51=-95.500;41.441
p52=-95.777;41.500
p53=-96.000;41.561
p54=-96.500;41.750
p55=-96.916;42.000
p56=-97.000;42.055
p57=-97.500;42.427
p58=-97.574;42.500
p59=-98.000;42.976
p60=-98.020;43.000
p61=-98.345;43.500
p62=-98.500;43.748
p63=-98.637;44.000
p64=-98.807;44.500
p65=-98.991;45.000
p66=-99.000;45.049
p67=-99.065;45.500
p68=-99.110;46.000
p69=-99.127;46.500
p70=-99.064;47.000
p71=-99.000;47.452

[C3]

gain=-6.00
n_point=83
p1=-99.500;48.786
p2=-99.424;49.000
p3=-99.111;49.500
p4=-99.000;49.677
p5=-98.757;50.000
p6=-98.500;50.309
p7=-98.324;50.500
p8=-98.000;50.770
p9=-97.626;51.000
p10=-97.500;51.080
p11=-97.000;51.399
p12=-96.693;51.500
p13=-96.500;51.556
p14=-96.000;51.703
p15=-95.500;51.767
p16=-95.000;51.780
p17=-94.500;51.769
p18=-94.000;51.649
p19=-93.500;51.532

p20=-93.429;51.500
p21=-93.000;51.280
p22=-92.508;51.000
p23=-92.500;50.996
p24=-92.000;50.646
p25=-91.832;50.500
p26=-91.500;50.133
p27=-91.388;50.000
p28=-91.026;49.500
p29=-91.000;49.464
p30=-90.730;49.000
p31=-90.555;48.500
p32=-90.500;48.346
p33=-90.390;48.000
p34=-90.267;47.500
p35=-90.222;47.000
p36=-90.177;46.500
p37=-90.206;46.000
p38=-90.257;45.500
p39=-90.329;45.000
p40=-90.461;44.500
p41=-90.500;44.358
p42=-90.628;44.000
p43=-90.898;43.500
p44=-91.000;43.308
p45=-91.169;43.000
p46=-91.500;42.505
p47=-91.504;42.500
p48=-91.960;42.000
p49=-92.000;41.958
p50=-92.491;41.500
p51=-92.500;41.494
p52=-93.000;41.188
p53=-93.365;41.000
p54=-93.500;40.931
p55=-94.000;40.750
p56=-94.500;40.624
p57=-95.000;40.588
p58=-95.500;40.603
p59=-96.000;40.718
p60=-96.500;40.871
p61=-96.754;41.000
p62=-97.000;41.125
p63=-97.500;41.402
p64=-97.631;41.500
p65=-98.000;41.842
p66=-98.163;42.000
p67=-98.500;42.352
p68=-98.615;42.500
p69=-98.967;43.000
p70=-99.000;43.056
p71=-99.234;43.500
p72=-99.495;44.000
p73=-99.500;44.016
p74=-99.643;44.500
p75=-99.805;45.000
p76=-99.899;45.500

p77=-99.967;46.000
p78=-99.995;46.500
p79=-99.938;47.000
p80=-99.883;47.500
p81=-99.751;48.000
p82=-99.591;48.500
p83=-99.500;48.786

[C4]

gain=-8.00
n_point=99
p1=-100.500;48.076
p2=-100.394;48.500
p3=-100.266;49.000
p4=-100.015;49.500
p5=-100.000;49.531
p6=-99.754;50.000
p7=-99.500;50.446
p8=-99.462;50.500
p9=-99.000;50.982
p10=-98.981;51.000
p11=-98.500;51.476
p12=-98.472;51.500
p13=-98.000;51.848
p14=-97.736;52.000
p15=-97.500;52.116
p16=-97.000;52.354
p17=-96.500;52.482
p18=-96.433;52.500
p19=-96.000;52.616
p20=-95.500;52.670
p21=-95.000;52.682
p22=-94.500;52.674
p23=-94.000;52.564
p24=-93.700;52.500
p25=-93.500;52.458
p26=-93.000;52.266
p27=-92.500;52.045
p28=-92.412;52.000
p29=-92.000;51.748
p30=-91.699;51.500
p31=-91.500;51.318
p32=-91.148;51.000
p33=-91.000;50.867
p34=-90.708;50.500
p35=-90.500;50.164
p36=-90.397;50.000
p37=-90.109;49.500
p38=-90.000;49.308
p39=-89.871;49.000
p40=-89.757;48.500
p41=-89.638;48.000
p42=-89.544;47.500
p43=-89.514;47.000
p44=-89.500;46.788
p45=-89.484;46.500
p46=-89.500;46.269

p47=-89.522;46.000
p48=-89.583;45.500
p49=-89.672;45.000
p50=-89.826;44.500
p51=-89.976;44.000
p52=-90.000;43.951
p53=-90.209;43.500
p54=-90.441;43.000
p55=-90.500;42.897
p56=-90.769;42.500
p57=-91.000;42.184
p58=-91.144;42.000
p59=-91.500;41.577
p60=-91.574;41.500
p61=-92.000;41.134
p62=-92.177;41.000
p63=-92.500;40.753
p64=-92.884;40.500
p65=-93.000;40.443
p66=-93.500;40.248
p67=-94.000;40.103
p68=-94.500;40.004
p69=-94.565;40.000
p70=-95.000;39.975
p71=-95.500;39.987
p72=-95.573;40.000
p73=-96.000;40.078
p74=-96.500;40.198
p75=-97.000;40.398
p76=-97.243;40.500
p77=-97.500;40.648
p78=-97.947;41.000
p79=-98.000;41.041
p80=-98.500;41.433
p81=-98.567;41.500
p82=-98.987;42.000
p83=-99.000;42.016
p84=-99.369;42.500
p85=-99.500;42.693
p86=-99.680;43.000
p87=-99.931;43.500
p88=-100.000;43.636
p89=-100.164;44.000
p90=-100.309;44.500
p91=-100.459;45.000
p92=-100.500;45.239
p93=-100.546;45.500
p94=-100.608;46.000
p95=-100.650;46.500
p96=-100.623;47.000
p97=-100.599;47.500
p98=-100.516;48.000
p99=-100.500;48.076

[C5]

gain=-10.00
n_point=109

p1=-101.000;48.702
p2=-100.938;49.000
p3=-100.737;49.500
p4=-100.554;50.000
p5=-100.500;50.133
p6=-100.293;50.500
p7=-100.000;50.871
p8=-99.902;51.000
p9=-99.551;51.500
p10=-99.500;51.566
p11=-99.023;52.000
p12=-99.000;52.016
p13=-98.500;52.397
p14=-98.331;52.500
p15=-98.000;52.707
p16=-97.500;52.973
p17=-97.444;53.000
p18=-97.000;53.196
p19=-96.500;53.320
p20=-96.000;53.447
p21=-95.500;53.494
p22=-95.224;53.500
p23=-95.000;53.504
p24=-94.572;53.500
p25=-94.500;53.499
p26=-94.000;53.395
p27=-93.500;53.294
p28=-93.000;53.117
p29=-92.731;53.000
p30=-92.500;52.890
p31=-92.000;52.629
p32=-91.829;52.500
p33=-91.500;52.265
p34=-91.109;52.000
p35=-91.000;51.912
p36=-90.636;51.500
p37=-90.500;51.324
p38=-90.248;51.000
p39=-90.000;50.704
p40=-89.865;50.500
p41=-89.629;50.000
p42=-89.500;49.691
p43=-89.422;49.500
p44=-89.201;49.000
p45=-89.083;48.500
p46=-89.000;48.131
p47=-88.978;48.000
p48=-88.924;47.500
p49=-88.919;47.000
p50=-88.911;46.500
p51=-88.963;46.000
p52=-89.000;45.730
p53=-89.033;45.500
p54=-89.127;45.000
p55=-89.267;44.500
p56=-89.396;44.000
p57=-89.500;43.747

p58=-89.628;43.500
p59=-89.876;43.000
p60=-90.000;42.788
p61=-90.172;42.500
p62=-90.500;42.001
p63=-90.501;42.000
p64=-90.898;41.500
p65=-91.000;41.390
p66=-91.405;41.000
p67=-91.500;40.906
p68=-91.945;40.500
p69=-92.000;40.462
p70=-92.500;40.173
p71=-92.831;40.000
p72=-93.000;39.908
p73=-93.500;39.694
p74=-94.000;39.533
p75=-94.157;39.500
p76=-94.500;39.449
p77=-95.000;39.426
p78=-95.500;39.435
p79=-95.961;39.500
p80=-96.000;39.508
p81=-96.500;39.638
p82=-97.000;39.860
p83=-97.307;40.000
p84=-97.500;40.086
p85=-98.000;40.396
p86=-98.175;40.500
p87=-98.500;40.762
p88=-98.727;41.000
p89=-99.000;41.272
p90=-99.235;41.500
p91=-99.500;41.814
p92=-99.629;42.000
p93=-99.966;42.500
p94=-100.000;42.555
p95=-100.260;43.000
p96=-100.500;43.495
p97=-100.502;43.500
p98=-100.724;44.000
p99=-100.882;44.500
p100=-101.000;44.846
p101=-101.043;45.000
p102=-101.128;45.500
p103=-101.186;46.000
p104=-101.233;46.500
p105=-101.220;47.000
p106=-101.208;47.500
p107=-101.140;48.000
p108=-101.040;48.500
p109=-101.000;48.702

[C6]

gain=-15.00
n_point=127
p1=-102.000;49.779

p2=-101.934;50.000
p3=-101.766;50.500
p4=-101.502;51.000
p5=-101.500;51.003
p6=-101.223;51.500
p7=-101.000;51.876
p8=-100.919;52.000
p9=-100.500;52.493
p10=-100.493;52.500
p11=-100.045;53.000
p12=-100.000;53.047
p13=-99.545;53.500
p14=-99.500;53.535
p15=-99.000;53.838
p16=-98.758;54.000
p17=-98.500;54.190
p18=-98.000;54.426
p19=-97.843;54.500
p20=-97.500;54.660
p21=-97.000;54.853
p22=-96.500;54.972
p23=-96.385;55.000
p24=-96.000;55.065
p25=-95.500;55.090
p26=-95.000;55.097
p27=-94.500;55.096
p28=-94.000;55.027
p29=-93.801;55.000
p30=-93.500;54.941
p31=-93.000;54.786
p32=-92.500;54.575
p33=-92.314;54.500
p34=-92.000;54.371
p35=-91.500;54.041
p36=-91.435;54.000
p37=-91.000;53.745
p38=-90.646;53.500
p39=-90.500;53.372
p40=-90.121;53.000
p41=-90.000;52.873
p42=-89.666;52.500
p43=-89.500;52.325
p44=-89.248;52.000
p45=-89.000;51.614
p46=-88.924;51.500
p47=-88.649;51.000
p48=-88.500;50.740
p49=-88.387;50.500
p50=-88.226;50.000
p51=-88.070;49.500
p52=-88.000;49.293
p53=-87.909;49.000
p54=-87.842;48.500
p55=-87.773;48.000
p56=-87.734;47.500
p57=-87.747;47.000
p58=-87.758;46.500

p59=-87.827;46.000
p60=-87.908;45.500
p61=-88.000;45.052
p62=-88.011;45.000
p63=-88.164;44.500
p64=-88.304;44.000
p65=-88.500;43.530
p66=-88.514;43.500
p67=-88.759;43.000
p68=-89.000;42.582
p69=-89.046;42.500
p70=-89.355;42.000
p71=-89.500;41.783
p72=-89.703;41.500
p73=-90.000;41.141
p74=-90.126;41.000
p75=-90.500;40.570
p76=-90.563;40.500
p77=-91.000;40.123
p78=-91.162;40.000
p79=-91.500;39.722
p80=-91.772;39.500
p81=-92.000;39.372
p82=-92.500;39.134
p83=-92.788;39.000
p84=-93.000;38.896
p85=-93.500;38.712
p86=-94.000;38.566
p87=-94.353;38.500
p88=-94.500;38.483
p89=-95.000;38.464
p90=-95.500;38.471
p91=-95.750;38.500
p92=-96.000;38.546
p93=-96.500;38.659
p94=-97.000;38.858
p95=-97.369;39.000
p96=-97.500;39.049
p97=-98.000;39.324
p98=-98.388;39.500
p99=-98.500;39.576
p100=-98.961;40.000
p101=-99.000;40.032
p102=-99.500;40.406
p103=-99.601;40.500
p104=-100.000;40.988
p105=-100.010;41.000
p106=-100.463;41.500
p107=-100.500;41.549
p108=-100.793;42.000
p109=-101.000;42.330
p110=-101.105;42.500
p111=-101.386;43.000
p112=-101.500;43.250
p113=-101.614;43.500
p114=-101.846;44.000
p115=-102.000;44.472

p116=-102.008;44.500
p117=-102.153;45.000
p118=-102.250;45.500
p119=-102.328;46.000
p120=-102.398;46.500
p121=-102.409;47.000
p122=-102.423;47.500
p123=-102.386;48.000
p124=-102.309;48.500
p125=-102.236;49.000
p126=-102.080;49.500
p127=-102.000;49.779

[C7]

gain=-20.00
n_point=141
p1=-103.000;50.066
p2=-102.856;50.500
p3=-102.582;51.000
p4=-102.500;51.178
p5=-102.359;51.500
p6=-102.131;52.000
p7=-102.000;52.185
p8=-101.727;52.500
p9=-101.500;52.811
p10=-101.376;53.000
p11=-101.042;53.500
p12=-101.000;53.547
p13=-100.500;53.931
p14=-100.420;54.000
p15=-100.000;54.443
p16=-99.936;54.500
p17=-99.500;54.900
p18=-99.367;55.000
p19=-99.000;55.166
p20=-98.500;55.424
p21=-98.273;55.500
p22=-98.000;55.600
p23=-97.500;55.801
p24=-97.000;55.957
p25=-96.796;56.000
p26=-96.500;56.065
p27=-96.000;56.179
p28=-95.500;56.206
p29=-95.000;56.216
p30=-94.500;56.217
p31=-94.000;56.122
p32=-93.500;56.031
p33=-93.384;56.000
p34=-93.000;55.901
p35=-92.500;55.713
p36=-92.000;55.544
p37=-91.917;55.500
p38=-91.500;55.302
p39=-91.000;55.081
p40=-90.810;55.000
p41=-90.500;54.760

p42=-90.268;54.500
p43=-90.000;54.236
p44=-89.726;54.000
p45=-89.500;53.834
p46=-89.177;53.500
p47=-89.000;53.263
p48=-88.776;53.000
p49=-88.500;52.642
p50=-88.405;52.500
p51=-88.047;52.000
p52=-88.000;51.906
p53=-87.794;51.500
p54=-87.550;51.000
p55=-87.500;50.910
p56=-87.279;50.500
p57=-87.136;50.000
p58=-87.008;49.500
p59=-87.000;49.468
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p61=-86.793;48.500
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p70=-87.127;44.500
p71=-87.322;44.000
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p73=-87.622;43.500
p74=-87.832;43.000
p75=-88.000;42.712
p76=-88.114;42.500
p77=-88.427;42.000
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p79=-88.796;41.500
p80=-89.000;41.305
p81=-89.253;41.000
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p84=-90.000;40.211
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p87=-90.749;39.500
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p90=-91.581;39.000
p91=-92.000;38.676
p92=-92.302;38.500
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p99=-95.000;37.876
p100=-95.500;37.886
p101=-96.000;37.966
p102=-96.182;38.000
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p104=-97.000;38.243
p105=-97.500;38.383
p106=-97.820;38.500
p107=-98.000;38.620
p108=-98.500;38.922
p109=-98.594;39.000
p110=-99.000;39.283
p111=-99.427;39.500
p112=-99.500;39.563
p113=-99.915;40.000
p114=-100.000;40.080
p115=-100.500;40.485
p116=-100.519;40.500
p117=-100.939;41.000
p118=-101.000;41.075
p119=-101.348;41.500
p120=-101.500;41.719
p121=-101.756;42.000
p122=-102.000;42.355
p123=-102.093;42.500
p124=-102.363;43.000
p125=-102.500;43.309
p126=-102.608;43.500
p127=-102.829;44.000
p128=-102.950;44.500
p129=-103.000;44.664
p130=-103.184;45.000
p131=-103.322;45.500
p132=-103.397;46.000
p133=-103.452;46.500
p134=-103.431;47.000
p135=-103.415;47.500
p136=-103.391;48.000
p137=-103.336;48.500
p138=-103.284;49.000
p139=-103.162;49.500
p140=-103.022;50.000
p141=-103.000;50.066