

[FormatInfo]  
format\_ver=1

[GeoMain]  
adm=USA  
sat\_name=SKYTERRA-2  
long\_nom=-95.000  
n\_diag=1

[COHeader]  
beam\_id=RU4  
emi\_rcp=R  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=7

[B1]  
gain=0.00  
p=-102.245;45.675

[C1]  
gain=-2.00  
n\_point=39  
p1=-104.000;47.232  
p2=-103.832;47.500  
p3=-103.500;47.813  
p4=-103.201;48.000  
p5=-103.000;48.097  
p6=-102.500;48.237  
p7=-102.000;48.251  
p8=-101.500;48.136  
p9=-101.137;48.000  
p10=-101.000;47.940  
p11=-100.500;47.564  
p12=-100.437;47.500  
p13=-100.049;47.000  
p14=-100.000;46.926  
p15=-99.771;46.500  
p16=-99.656;46.000  
p17=-99.599;45.500  
p18=-99.658;45.000  
p19=-99.819;44.500  
p20=-100.000;44.114  
p21=-100.078;44.000  
p22=-100.500;43.619  
p23=-100.711;43.500  
p24=-101.000;43.374  
p25=-101.500;43.270  
p26=-102.000;43.274  
p27=-102.500;43.409  
p28=-102.685;43.500  
p29=-103.000;43.688  
p30=-103.405;44.000  
p31=-103.500;44.099  
p32=-103.787;44.500  
p33=-104.000;44.873

p34=-104.064;45.000  
p35=-104.203;45.500  
p36=-104.268;46.000  
p37=-104.260;46.500  
p38=-104.098;47.000  
p39=-104.000;47.232

[C2]

gain=-4.00  
n\_point=55  
p1=-105.000;47.778  
p2=-104.879;48.000  
p3=-104.516;48.500  
p4=-104.500;48.517  
p5=-104.000;48.942  
p6=-103.910;49.000  
p7=-103.500;49.208  
p8=-103.000;49.349  
p9=-102.500;49.402  
p10=-102.000;49.399  
p11=-101.500;49.297  
p12=-101.000;49.131  
p13=-100.698;49.000  
p14=-100.500;48.894  
p15=-100.005;48.500  
p16=-100.000;48.495  
p17=-99.505;48.000  
p18=-99.500;47.995  
p19=-99.179;47.500  
p20=-99.000;47.132  
p21=-98.946;47.000  
p22=-98.780;46.500  
p23=-98.711;46.000  
p24=-98.680;45.500  
p25=-98.732;45.000  
p26=-98.855;44.500  
p27=-99.000;44.065  
p28=-99.025;44.000  
p29=-99.356;43.500  
p30=-99.500;43.321  
p31=-99.817;43.000  
p32=-100.000;42.842  
p33=-100.500;42.515  
p34=-100.542;42.500  
p35=-101.000;42.378  
p36=-101.500;42.326  
p37=-102.000;42.345  
p38=-102.500;42.431  
p39=-102.693;42.500  
p40=-103.000;42.643  
p41=-103.500;42.941  
p42=-103.582;43.000  
p43=-104.000;43.331  
p44=-104.171;43.500  
p45=-104.500;43.906  
p46=-104.569;44.000  
p47=-104.856;44.500

p48=-105.000;44.783  
p49=-105.096;45.000  
p50=-105.216;45.500  
p51=-105.288;46.000  
p52=-105.312;46.500  
p53=-105.240;47.000  
p54=-105.126;47.500  
p55=-105.000;47.778

[C3]

gain=-6.00  
n\_point=69  
p1=-106.000;47.589  
p2=-105.859;48.000  
p3=-105.636;48.500  
p4=-105.500;48.725  
p5=-105.306;49.000  
p6=-105.000;49.337  
p7=-104.812;49.500  
p8=-104.500;49.748  
p9=-104.040;50.000  
p10=-104.000;50.018  
p11=-103.500;50.179  
p12=-103.000;50.287  
p13=-102.500;50.306  
p14=-102.000;50.280  
p15=-101.500;50.204  
p16=-101.000;50.053  
p17=-100.858;50.000  
p18=-100.500;49.841  
p19=-100.000;49.528  
p20=-99.963;49.500  
p21=-99.500;49.146  
p22=-99.334;49.000  
p23=-99.000;48.631  
p24=-98.905;48.500  
p25=-98.572;48.000  
p26=-98.500;47.863  
p27=-98.329;47.500  
p28=-98.150;47.000  
p29=-98.013;46.500  
p30=-98.000;46.377  
p31=-97.969;46.000  
p32=-97.960;45.500  
p33=-98.000;45.138  
p34=-98.018;45.000  
p35=-98.141;44.500  
p36=-98.296;44.000  
p37=-98.500;43.580  
p38=-98.546;43.500  
p39=-98.895;43.000  
p40=-99.000;42.870  
p41=-99.350;42.500  
p42=-99.500;42.382  
p43=-100.000;42.060  
p44=-100.124;42.000  
p45=-100.500;41.842

p46=-101.000;41.713  
p47=-101.500;41.670  
p48=-102.000;41.692  
p49=-102.500;41.774  
p50=-103.000;41.921  
p51=-103.184;42.000  
p52=-103.500;42.156  
p53=-104.000;42.450  
p54=-104.073;42.500  
p55=-104.500;42.866  
p56=-104.634;43.000  
p57=-105.000;43.408  
p58=-105.077;43.500  
p59=-105.422;44.000  
p60=-105.500;44.146  
p61=-105.667;44.500  
p62=-105.873;45.000  
p63=-106.000;45.479  
p64=-106.005;45.500  
p65=-106.092;46.000  
p66=-106.132;46.500  
p67=-106.093;47.000  
p68=-106.027;47.500  
p69=-106.000;47.589

[C4]

gain=-8.00  
n\_point=79  
p1=-106.500;48.501  
p2=-106.246;49.000  
p3=-106.000;49.404  
p4=-105.928;49.500  
p5=-105.500;49.980  
p6=-105.479;50.000  
p7=-105.000;50.357  
p8=-104.765;50.500  
p9=-104.500;50.651  
p10=-104.000;50.869  
p11=-103.500;50.997  
p12=-103.485;51.000  
p13=-103.000;51.068  
p14=-102.500;51.083  
p15=-102.000;51.042  
p16=-101.690;51.000  
p17=-101.500;50.970  
p18=-101.000;50.811  
p19=-100.500;50.616  
p20=-100.264;50.500  
p21=-100.000;50.368  
p22=-99.500;50.053  
p23=-99.424;50.000  
p24=-99.000;49.640  
p25=-98.866;49.500  
p26=-98.500;49.098  
p27=-98.419;49.000  
p28=-98.092;48.500  
p29=-98.000;48.345

p30=-97.822;48.000  
p31=-97.628;47.500  
p32=-97.500;47.040  
p33=-97.490;47.000  
p34=-97.400;46.500  
p35=-97.379;46.000  
p36=-97.385;45.500  
p37=-97.450;45.000  
p38=-97.500;44.778  
p39=-97.567;44.500  
p40=-97.717;44.000  
p41=-97.949;43.500  
p42=-98.000;43.406  
p43=-98.243;43.000  
p44=-98.500;42.618  
p45=-98.597;42.500  
p46=-99.000;42.121  
p47=-99.152;42.000  
p48=-99.500;41.757  
p49=-99.948;41.500  
p50=-100.000;41.474  
p51=-100.500;41.285  
p52=-101.000;41.161  
p53=-101.500;41.123  
p54=-102.000;41.145  
p55=-102.500;41.220  
p56=-103.000;41.347  
p57=-103.404;41.500  
p58=-103.500;41.542  
p59=-104.000;41.800  
p60=-104.336;42.000  
p61=-104.500;42.112  
p62=-104.976;42.500  
p63=-105.000;42.524  
p64=-105.441;43.000  
p65=-105.500;43.071  
p66=-105.830;43.500  
p67=-106.000;43.778  
p68=-106.125;44.000  
p69=-106.357;44.500  
p70=-106.500;44.844  
p71=-106.560;45.000  
p72=-106.681;45.500  
p73=-106.766;46.000  
p74=-106.813;46.500  
p75=-106.802;47.000  
p76=-106.769;47.500  
p77=-106.646;48.000  
p78=-106.501;48.500  
p79=-106.500;48.501

[C5]

gain=-10.00  
n\_point=87  
p1=-107.000;49.008  
p2=-106.746;49.500  
p3=-106.500;49.890

p4=-106.421;50.000  
p5=-106.000;50.464  
p6=-105.961;50.500  
p7=-105.500;50.904  
p8=-105.357;51.000  
p9=-105.000;51.197  
p10=-104.500;51.411  
p11=-104.240;51.500  
p12=-104.000;51.581  
p13=-103.500;51.679  
p14=-103.000;51.730  
p15=-102.500;51.746  
p16=-102.000;51.694  
p17=-101.500;51.615  
p18=-101.057;51.500  
p19=-101.000;51.485  
p20=-100.500;51.309  
p21=-100.000;51.103  
p22=-99.812;51.000  
p23=-99.500;50.803  
p24=-99.064;50.500  
p25=-99.000;50.455  
p26=-98.500;50.030  
p27=-98.469;50.000  
p28=-98.041;49.500  
p29=-98.000;49.450  
p30=-97.666;49.000  
p31=-97.500;48.706  
p32=-97.399;48.500  
p33=-97.179;48.000  
p34=-97.019;47.500  
p35=-97.000;47.415  
p36=-96.914;47.000  
p37=-96.843;46.500  
p38=-96.840;46.000  
p39=-96.861;45.500  
p40=-96.938;45.000  
p41=-97.000;44.741  
p42=-97.061;44.500  
p43=-97.215;44.000  
p44=-97.444;43.500  
p45=-97.500;43.395  
p46=-97.723;43.000  
p47=-98.000;42.559  
p48=-98.041;42.500  
p49=-98.488;42.000  
p50=-98.500;41.988  
p51=-99.000;41.560  
p52=-99.085;41.500  
p53=-99.500;41.236  
p54=-99.952;41.000  
p55=-100.000;40.980  
p56=-100.500;40.829  
p57=-101.000;40.725  
p58=-101.500;40.686  
p59=-102.000;40.700  
p60=-102.500;40.758

p61=-103.000;40.859  
p62=-103.468;41.000  
p63=-103.500;41.012  
p64=-104.000;41.241  
p65=-104.487;41.500  
p66=-104.500;41.508  
p67=-105.000;41.849  
p68=-105.194;42.000  
p69=-105.500;42.276  
p70=-105.729;42.500  
p71=-106.000;42.813  
p72=-106.148;43.000  
p73=-106.495;43.500  
p74=-106.500;43.508  
p75=-106.764;44.000  
p76=-106.992;44.500  
p77=-107.000;44.522  
p78=-107.170;45.000  
p79=-107.285;45.500  
p80=-107.381;46.000  
p81=-107.440;46.500  
p82=-107.436;47.000  
p83=-107.415;47.500  
p84=-107.314;48.000  
p85=-107.191;48.500  
p86=-107.004;49.000  
p87=-107.000;49.008

[C6]

gain=-15.00  
n\_point=107  
p1=-108.500;49.081  
p2=-108.363;49.500  
p3=-108.155;50.000  
p4=-108.000;50.301  
p5=-107.887;50.500  
p6=-107.562;51.000  
p7=-107.500;51.078  
p8=-107.120;51.500  
p9=-107.000;51.623  
p10=-106.588;52.000  
p11=-106.500;52.066  
p12=-106.000;52.390  
p13=-105.781;52.500  
p14=-105.500;52.636  
p15=-105.000;52.846  
p16=-104.532;53.000  
p17=-104.500;53.009  
p18=-104.000;53.097  
p19=-103.500;53.163  
p20=-103.000;53.181  
p21=-102.500;53.169  
p22=-102.000;53.131  
p23=-101.500;53.049  
p24=-101.247;53.000  
p25=-101.000;52.945  
p26=-100.500;52.780

p27=-100.000;52.595  
p28=-99.787;52.500  
p29=-99.500;52.369  
p30=-99.000;52.106  
p31=-98.815;52.000  
p32=-98.500;51.791  
p33=-98.123;51.500  
p34=-98.000;51.402  
p35=-97.526;51.000  
p36=-97.500;50.974  
p37=-97.085;50.500  
p38=-97.000;50.398  
p39=-96.689;50.000  
p40=-96.500;49.693  
p41=-96.390;49.500  
p42=-96.121;49.000  
p43=-96.000;48.687  
p44=-95.934;48.500  
p45=-95.779;48.000  
p46=-95.678;47.500  
p47=-95.620;47.000  
p48=-95.593;46.500  
p49=-95.628;46.000  
p50=-95.687;45.500  
p51=-95.798;45.000  
p52=-95.952;44.500  
p53=-96.000;44.367  
p54=-96.127;44.000  
p55=-96.372;43.500  
p56=-96.500;43.273  
p57=-96.653;43.000  
p58=-96.961;42.500  
p59=-97.000;42.452  
p60=-97.371;42.000  
p61=-97.500;41.858  
p62=-97.834;41.500  
p63=-98.000;41.333  
p64=-98.356;41.000  
p65=-98.500;40.896  
p66=-99.000;40.565  
p67=-99.121;40.500  
p68=-99.500;40.327  
p69=-100.000;40.131  
p70=-100.421;40.000  
p71=-100.500;39.979  
p72=-101.000;39.884  
p73=-101.500;39.826  
p74=-102.000;39.815  
p75=-102.500;39.835  
p76=-103.000;39.887  
p77=-103.500;39.971  
p78=-103.620;40.000  
p79=-104.000;40.102  
p80=-104.500;40.274  
p81=-105.000;40.489  
p82=-105.023;40.500  
p83=-105.500;40.766



p84=-105.847;41.000  
p85=-106.000;41.117  
p86=-106.453;41.500  
p87=-106.500;41.544  
p88=-106.945;42.000  
p89=-107.000;42.065  
p90=-107.332;42.500  
p91=-107.500;42.748  
p92=-107.660;43.000  
p93=-107.945;43.500  
p94=-108.000;43.621  
p95=-108.161;44.000  
p96=-108.354;44.500  
p97=-108.500;44.933  
p98=-108.520;45.000  
p99=-108.621;45.500  
p100=-108.710;46.000  
p101=-108.770;46.500  
p102=-108.787;47.000  
p103=-108.787;47.500  
p104=-108.725;48.000  
p105=-108.652;48.500  
p106=-108.524;49.000  
p107=-108.500;49.081

[C7]

gain=-20.00  
n\_point=123  
p1=-109.500;49.847  
p2=-109.451;50.000  
p3=-109.266;50.500  
p4=-109.041;51.000  
p5=-109.000;51.081  
p6=-108.753;51.500  
p7=-108.500;51.884  
p8=-108.415;52.000  
p9=-108.000;52.463  
p10=-107.964;52.500  
p11=-107.500;52.936  
p12=-107.423;53.000  
p13=-107.000;53.307  
p14=-106.667;53.500  
p15=-106.500;53.596  
p16=-106.000;53.835  
p17=-105.606;54.000  
p18=-105.500;54.040  
p19=-105.000;54.172  
p20=-104.500;54.275  
p21=-104.000;54.345  
p22=-103.500;54.373  
p23=-103.000;54.385  
p24=-102.500;54.350  
p25=-102.000;54.302  
p26=-101.500;54.220  
p27=-101.000;54.119  
p28=-100.511;54.000  
p29=-100.500;53.997

p30=-100.000;53.815  
p31=-99.500;53.619  
p32=-99.250;53.500  
p33=-99.000;53.383  
p34=-98.500;53.140  
p35=-98.251;53.000  
p36=-98.000;52.833  
p37=-97.518;52.500  
p38=-97.500;52.487  
p39=-97.000;52.096  
p40=-96.887;52.000  
p41=-96.500;51.617  
p42=-96.386;51.500  
p43=-96.000;51.084  
p44=-95.931;51.000  
p45=-95.587;50.500  
p46=-95.500;50.368  
p47=-95.266;50.000  
p48=-95.024;49.500  
p49=-95.000;49.447  
p50=-94.806;49.000  
p51=-94.658;48.500  
p52=-94.531;48.000  
p53=-94.500;47.799  
p54=-94.458;47.500  
p55=-94.422;47.000  
p56=-94.414;46.500  
p57=-94.463;46.000  
p58=-94.500;45.747  
p59=-94.537;45.500  
p60=-94.669;45.000  
p61=-94.847;44.500  
p62=-95.000;44.147  
p63=-95.060;44.000  
p64=-95.346;43.500  
p65=-95.500;43.275  
p66=-95.674;43.000  
p67=-96.000;42.572  
p68=-96.048;42.500  
p69=-96.491;42.000  
p70=-96.500;41.991  
p71=-96.948;41.500  
p72=-97.000;41.449  
p73=-97.444;41.000  
p74=-97.500;40.958  
p75=-98.000;40.572  
p76=-98.095;40.500  
p77=-98.500;40.239  
p78=-98.873;40.000  
p79=-99.000;39.929  
p80=-99.500;39.695  
p81=-99.978;39.500  
p82=-100.000;39.493  
p83=-100.500;39.363  
p84=-101.000;39.253  
p85=-101.500;39.165  
p86=-102.000;39.105

p87=-102.500;39.069  
p88=-103.000;39.052  
p89=-103.500;39.060  
p90=-104.000;39.099  
p91=-104.500;39.190  
p92=-105.000;39.340  
p93=-105.402;39.500  
p94=-105.500;39.542  
p95=-106.000;39.806  
p96=-106.295;40.000  
p97=-106.500;40.144  
p98=-106.955;40.500  
p99=-107.000;40.538  
p100=-107.478;41.000  
p101=-107.500;41.024  
p102=-107.897;41.500  
p103=-108.000;41.628  
p104=-108.281;42.000  
p105=-108.500;42.339  
p106=-108.591;42.500  
p107=-108.857;43.000  
p108=-109.000;43.276  
p109=-109.107;43.500  
p110=-109.298;44.000  
p111=-109.466;44.500  
p112=-109.500;44.610  
p113=-109.612;45.000  
p114=-109.715;45.500  
p115=-109.799;46.000  
p116=-109.848;46.500  
p117=-109.883;47.000  
p118=-109.900;47.500  
p119=-109.858;48.000  
p120=-109.811;48.500  
p121=-109.711;49.000  
p122=-109.603;49.500  
p123=-109.500;49.847