

[FormatInfo]  
format\_ver=1

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

[COHeader]  
beam\_id=RD18  
emi\_rcp=E  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=7

[B1]  
gain=0.00  
p=-72.822;40.019

[C1]  
gain=-2.00  
n\_point=49  
p1=-70.000;41.901  
p2=-69.861;41.500  
p3=-69.868;41.000  
p4=-69.961;40.500  
p5=-70.000;40.370  
p6=-70.108;40.000  
p7=-70.372;39.500  
p8=-70.500;39.279  
p9=-70.658;39.000  
p10=-71.000;38.612  
p11=-71.116;38.500  
p12=-71.500;38.055  
p13=-71.564;38.000  
p14=-72.000;37.755  
p15=-72.443;37.500  
p16=-72.500;37.468  
p17=-73.000;37.247  
p18=-73.500;37.111  
p19=-74.000;37.005  
p20=-74.500;37.056  
p21=-75.000;37.159  
p22=-75.500;37.461  
p23=-75.546;37.500  
p24=-75.936;38.000  
p25=-76.000;38.188  
p26=-76.093;38.500  
p27=-76.141;39.000  
p28=-76.078;39.500  
p29=-76.000;39.928  
p30=-75.982;40.000  
p31=-75.676;40.500  
p32=-75.500;40.855  
p33=-75.415;41.000

p34=-75.000;41.416  
p35=-74.915;41.500  
p36=-74.500;41.909  
p37=-74.386;42.000  
p38=-74.000;42.271  
p39=-73.517;42.500  
p40=-73.500;42.507  
p41=-73.000;42.718  
p42=-72.500;42.846  
p43=-72.000;42.896  
p44=-71.500;42.916  
p45=-71.000;42.767  
p46=-70.500;42.573  
p47=-70.407;42.500  
p48=-70.054;42.000  
p49=-70.000;41.901

[C2]

gain=-4.00  
n\_point=71  
p1=-68.500;42.631  
p2=-68.444;42.500  
p3=-68.412;42.000  
p4=-68.421;41.500  
p5=-68.500;41.092  
p6=-68.518;41.000  
p7=-68.647;40.500  
p8=-68.832;40.000  
p9=-69.000;39.661  
p10=-69.080;39.500  
p11=-69.360;39.000  
p12=-69.500;38.809  
p13=-69.728;38.500  
p14=-70.000;38.148  
p15=-70.117;38.000  
p16=-70.500;37.623  
p17=-70.651;37.500  
p18=-71.000;37.193  
p19=-71.246;37.000  
p20=-71.500;36.850  
p21=-72.000;36.556  
p22=-72.131;36.500  
p23=-72.500;36.343  
p24=-73.000;36.149  
p25=-73.500;36.013  
p26=-73.571;36.000  
p27=-74.000;35.941  
p28=-74.500;35.914  
p29=-75.000;35.944  
p30=-75.307;36.000  
p31=-75.500;36.048  
p32=-76.000;36.244  
p33=-76.384;36.500  
p34=-76.500;36.606  
p35=-76.869;37.000  
p36=-77.000;37.223  
p37=-77.119;37.500

p38=-77.253;38.000  
p39=-77.311;38.500  
p40=-77.274;39.000  
p41=-77.183;39.500  
p42=-77.072;40.000  
p43=-77.000;40.180  
p44=-76.836;40.500  
p45=-76.597;41.000  
p46=-76.500;41.162  
p47=-76.244;41.500  
p48=-76.000;41.819  
p49=-75.860;42.000  
p50=-75.500;42.350  
p51=-75.335;42.500  
p52=-75.000;42.809  
p53=-74.731;43.000  
p54=-74.500;43.152  
p55=-74.000;43.455  
p56=-73.920;43.500  
p57=-73.500;43.710  
p58=-73.000;43.882  
p59=-72.626;44.000  
p60=-72.500;44.040  
p61=-72.000;44.160  
p62=-71.500;44.201  
p63=-71.000;44.233  
p64=-70.500;44.158  
p65=-70.000;44.061  
p66=-69.854;44.000  
p67=-69.500;43.826  
p68=-69.000;43.541  
p69=-68.956;43.500  
p70=-68.700;43.000  
p71=-68.500;42.631

[C3]

gain=-6.00  
n\_point=85  
p1=-67.500;43.584  
p2=-67.468;43.500  
p3=-67.367;43.000  
p4=-67.279;42.500  
p5=-67.319;42.000  
p6=-67.370;41.500  
p7=-67.500;41.045  
p8=-67.513;41.000  
p9=-67.663;40.500  
p10=-67.866;40.000  
p11=-68.000;39.717  
p12=-68.103;39.500  
p13=-68.373;39.000  
p14=-68.500;38.803  
p15=-68.698;38.500  
p16=-69.000;38.068  
p17=-69.051;38.000  
p18=-69.482;37.500  
p19=-69.500;37.480

p20=-69.973;37.000  
p21=-70.000;36.976  
p22=-70.500;36.593  
p23=-70.625;36.500  
p24=-71.000;36.224  
p25=-71.362;36.000  
p26=-71.500;35.927  
p27=-72.000;35.701  
p28=-72.488;35.500  
p29=-72.500;35.495  
p30=-73.000;35.355  
p31=-73.500;35.225  
p32=-74.000;35.160  
p33=-74.500;35.107  
p34=-75.000;35.130  
p35=-75.500;35.169  
p36=-76.000;35.304  
p37=-76.500;35.473  
p38=-76.551;35.500  
p39=-77.000;35.788  
p40=-77.253;36.000  
p41=-77.500;36.280  
p42=-77.671;36.500  
p43=-77.922;37.000  
p44=-78.000;37.253  
p45=-78.059;37.500  
p46=-78.113;38.000  
p47=-78.120;38.500  
p48=-78.070;39.000  
p49=-78.000;39.435  
p50=-77.988;39.500  
p51=-77.853;40.000  
p52=-77.645;40.500  
p53=-77.500;40.854  
p54=-77.435;41.000  
p55=-77.130;41.500  
p56=-77.000;41.711  
p57=-76.819;42.000  
p58=-76.500;42.387  
p59=-76.395;42.500  
p60=-76.000;42.967  
p61=-75.965;43.000  
p62=-75.500;43.374  
p63=-75.343;43.500  
p64=-75.000;43.747  
p65=-74.639;44.000  
p66=-74.500;44.095  
p67=-74.000;44.363  
p68=-73.739;44.500  
p69=-73.500;44.599  
p70=-73.000;44.789  
p71=-72.500;44.923  
p72=-72.197;45.000  
p73=-72.000;45.049  
p74=-71.500;45.141  
p75=-71.000;45.177  
p76=-70.500;45.207

p77=-70.000;45.160  
p78=-69.500;45.096  
p79=-69.151;45.000  
p80=-69.000;44.945  
p81=-68.500;44.719  
p82=-68.197;44.500  
p83=-68.000;44.294  
p84=-67.730;44.000  
p85=-67.500;43.584

[C4]

gain=-8.00  
n\_point=99  
p1=-66.500;44.011  
p2=-66.496;44.000  
p3=-66.383;43.500  
p4=-66.370;43.000  
p5=-66.364;42.500  
p6=-66.440;42.000  
p7=-66.493;41.500  
p8=-66.500;41.478  
p9=-66.682;41.000  
p10=-66.832;40.500  
p11=-67.000;40.101  
p12=-67.046;40.000  
p13=-67.269;39.500  
p14=-67.500;39.053  
p15=-67.530;39.000  
p16=-67.822;38.500  
p17=-68.000;38.219  
p18=-68.152;38.000  
p19=-68.500;37.529  
p20=-68.524;37.500  
p21=-68.959;37.000  
p22=-69.000;36.957  
p23=-69.490;36.500  
p24=-69.500;36.491  
p25=-70.000;36.059  
p26=-70.078;36.000  
p27=-70.500;35.718  
p28=-70.876;35.500  
p29=-71.000;35.430  
p30=-71.500;35.164  
p31=-71.889;35.000  
p32=-72.000;34.960  
p33=-72.500;34.799  
p34=-73.000;34.682  
p35=-73.500;34.587  
p36=-74.000;34.525  
p37=-74.337;34.500  
p38=-74.500;34.489  
p39=-75.000;34.489  
p40=-75.203;34.500  
p41=-75.500;34.517  
p42=-76.000;34.603  
p43=-76.500;34.719  
p44=-77.000;34.922

p45=-77.168;35.000  
p46=-77.500;35.198  
p47=-77.861;35.500  
p48=-78.000;35.647  
p49=-78.260;36.000  
p50=-78.500;36.452  
p51=-78.523;36.500  
p52=-78.667;37.000  
p53=-78.753;37.500  
p54=-78.772;38.000  
p55=-78.757;38.500  
p56=-78.687;39.000  
p57=-78.587;39.500  
p58=-78.500;39.827  
p59=-78.452;40.000  
p60=-78.281;40.500  
p61=-78.085;41.000  
p62=-78.000;41.171  
p63=-77.824;41.500  
p64=-77.573;42.000  
p65=-77.500;42.111  
p66=-77.193;42.500  
p67=-77.000;42.773  
p68=-76.811;43.000  
p69=-76.500;43.320  
p70=-76.322;43.500  
p71=-76.000;43.799  
p72=-75.759;44.000  
p73=-75.500;44.218  
p74=-75.095;44.500  
p75=-75.000;44.558  
p76=-74.500;44.841  
p77=-74.193;45.000  
p78=-74.000;45.103  
p79=-73.500;45.312  
p80=-73.030;45.500  
p81=-73.000;45.511  
p82=-72.500;45.667  
p83=-72.000;45.781  
p84=-71.500;45.895  
p85=-71.000;45.969  
p86=-70.637;46.000  
p87=-70.500;46.009  
p88=-70.000;46.040  
p89=-69.500;46.006  
p90=-69.424;46.000  
p91=-69.000;45.955  
p92=-68.500;45.815  
p93=-68.000;45.624  
p94=-67.774;45.500  
p95=-67.500;45.329  
p96=-67.033;45.000  
p97=-67.000;44.961  
p98=-66.731;44.500  
p99=-66.500;44.011

gain=-10.00  
n\_point=107  
p1=-66.000;45.282  
p2=-65.798;45.000  
p3=-65.650;44.500  
p4=-65.548;44.000  
p5=-65.506;43.500  
p6=-65.528;43.000  
p7=-65.594;42.500  
p8=-65.703;42.000  
p9=-65.802;41.500  
p10=-65.969;41.000  
p11=-66.000;40.888  
p12=-66.116;40.500  
p13=-66.331;40.000  
p14=-66.500;39.556  
p15=-66.524;39.500  
p16=-66.783;39.000  
p17=-67.000;38.574  
p18=-67.041;38.500  
p19=-67.347;38.000  
p20=-67.500;37.758  
p21=-67.679;37.500  
p22=-68.000;37.060  
p23=-68.046;37.000  
p24=-68.478;36.500  
p25=-68.500;36.476  
p26=-68.963;36.000  
p27=-69.000;35.966  
p28=-69.500;35.560  
p29=-69.583;35.500  
p30=-70.000;35.209  
p31=-70.335;35.000  
p32=-70.500;34.907  
p33=-71.000;34.671  
p34=-71.433;34.500  
p35=-71.500;34.475  
p36=-72.000;34.310  
p37=-72.500;34.182  
p38=-73.000;34.077  
p39=-73.500;34.007  
p40=-73.564;34.000  
p41=-74.000;33.960  
p42=-74.500;33.945  
p43=-75.000;33.941  
p44=-75.500;33.970  
p45=-75.822;34.000  
p46=-76.000;34.022  
p47=-76.500;34.127  
p48=-77.000;34.273  
p49=-77.500;34.457  
p50=-77.589;34.500  
p51=-78.000;34.757  
p52=-78.324;35.000  
p53=-78.500;35.172  
p54=-78.759;35.500  
p55=-79.000;35.927

p56=-79.033;36.000  
p57=-79.201;36.500  
p58=-79.275;37.000  
p59=-79.319;37.500  
p60=-79.313;38.000  
p61=-79.275;38.500  
p62=-79.186;39.000  
p63=-79.095;39.500  
p64=-79.000;39.980  
p65=-78.995;40.000  
p66=-78.811;40.500  
p67=-78.622;41.000  
p68=-78.500;41.306  
p69=-78.406;41.500  
p70=-78.156;42.000  
p71=-78.000;42.256  
p72=-77.844;42.500  
p73=-77.514;43.000  
p74=-77.500;43.019  
p75=-77.122;43.500  
p76=-77.000;43.645  
p77=-76.646;44.000  
p78=-76.500;44.147  
p79=-76.096;44.500  
p80=-76.000;44.575  
p81=-75.500;44.938  
p82=-75.399;45.000  
p83=-75.000;45.258  
p84=-74.558;45.500  
p85=-74.500;45.528  
p86=-74.000;45.762  
p87=-73.500;45.967  
p88=-73.404;46.000  
p89=-73.000;46.129  
p90=-72.500;46.283  
p91=-72.000;46.403  
p92=-71.500;46.497  
p93=-71.486;46.500  
p94=-71.000;46.592  
p95=-70.500;46.633  
p96=-70.000;46.665  
p97=-69.500;46.676  
p98=-69.000;46.642  
p99=-68.500;46.607  
p100=-68.003;46.500  
p101=-68.000;46.499  
p102=-67.500;46.372  
p103=-67.000;46.159  
p104=-66.707;46.000  
p105=-66.500;45.843  
p106=-66.174;45.500  
p107=-66.000;45.282

[C6]

gain=-15.00  
n\_point=131  
p1=-64.000;46.881



p2=-63.790;46.500  
p3=-63.625;46.000  
p4=-63.559;45.500  
p5=-63.580;45.000  
p6=-63.616;44.500  
p7=-63.707;44.000  
p8=-63.814;43.500  
p9=-63.940;43.000  
p10=-64.000;42.785  
p11=-64.079;42.500  
p12=-64.221;42.000  
p13=-64.366;41.500  
p14=-64.500;41.000  
p15=-64.500;41.000  
p16=-64.651;40.500  
p17=-64.810;40.000  
p18=-64.954;39.500  
p19=-65.000;39.363  
p20=-65.131;39.000  
p21=-65.301;38.500  
p22=-65.484;38.000  
p23=-65.500;37.951  
p24=-65.663;37.500  
p25=-65.859;37.000  
p26=-66.000;36.657  
p27=-66.069;36.500  
p28=-66.331;36.000  
p29=-66.500;35.733  
p30=-66.655;35.500  
p31=-67.000;35.055  
p32=-67.044;35.000  
p33=-67.500;34.504  
p34=-67.505;34.500  
p35=-68.000;34.039  
p36=-68.049;34.000  
p37=-68.500;33.673  
p38=-68.747;33.500  
p39=-69.000;33.340  
p40=-69.500;33.073  
p41=-69.672;33.000  
p42=-70.000;32.874  
p43=-70.500;32.711  
p44=-71.000;32.647  
p45=-71.500;32.603  
p46=-72.000;32.634  
p47=-72.500;32.666  
p48=-73.000;32.723  
p49=-73.500;32.772  
p50=-74.000;32.827  
p51=-74.500;32.873  
p52=-75.000;32.914  
p53=-75.500;32.952  
p54=-76.000;32.986  
p55=-76.168;33.000  
p56=-76.500;33.040  
p57=-77.000;33.107  
p58=-77.500;33.181

p59=-78.000;33.268  
p60=-78.500;33.368  
p61=-78.976;33.500  
p62=-79.000;33.509  
p63=-79.500;33.749  
p64=-79.875;34.000  
p65=-80.000;34.131  
p66=-80.250;34.500  
p67=-80.436;35.000  
p68=-80.500;35.392  
p69=-80.514;35.500  
p70=-80.531;36.000  
p71=-80.505;36.500  
p72=-80.500;36.547  
p73=-80.457;37.000  
p74=-80.394;37.500  
p75=-80.318;38.000  
p76=-80.220;38.500  
p77=-80.112;39.000  
p78=-80.028;39.500  
p79=-80.000;39.689  
p80=-79.929;40.000  
p81=-79.787;40.500  
p82=-79.650;41.000  
p83=-79.516;41.500  
p84=-79.500;41.559  
p85=-79.359;42.000  
p86=-79.190;42.500  
p87=-79.000;42.995  
p88=-78.998;43.000  
p89=-78.795;43.500  
p90=-78.572;44.000  
p91=-78.500;44.149  
p92=-78.302;44.500  
p93=-78.000;44.960  
p94=-77.967;45.000  
p95=-77.506;45.500  
p96=-77.500;45.506  
p97=-77.000;45.962  
p98=-76.952;46.000  
p99=-76.500;46.340  
p100=-76.199;46.500  
p101=-76.000;46.606  
p102=-75.500;46.827  
p103=-75.039;47.000  
p104=-75.000;47.015  
p105=-74.500;47.184  
p106=-74.000;47.318  
p107=-73.500;47.433  
p108=-73.158;47.500  
p109=-73.000;47.531  
p110=-72.500;47.624  
p111=-72.000;47.710  
p112=-71.500;47.785  
p113=-71.000;47.843  
p114=-70.500;47.898  
p115=-70.000;47.942

p116=-69.500;47.969  
p117=-69.000;47.997  
p118=-68.858;48.000  
p119=-68.500;48.007  
p120=-68.000;48.010  
p121=-67.500;48.008  
p122=-67.369;48.000  
p123=-67.000;47.975  
p124=-66.500;47.935  
p125=-66.000;47.868  
p126=-65.500;47.763  
p127=-65.000;47.606  
p128=-64.766;47.500  
p129=-64.500;47.337  
p130=-64.085;47.000  
p131=-64.000;46.881

[C7]

gain=-20.00  
n\_point=197  
p1=-60.500;50.305  
p2=-60.157;50.000  
p3=-60.260;49.500  
p4=-60.384;49.000  
p5=-60.452;48.500  
p6=-60.456;48.000  
p7=-60.441;47.500  
p8=-60.500;47.093  
p9=-60.512;47.000  
p10=-60.682;46.500  
p11=-61.000;46.133  
p12=-61.086;46.000  
p13=-61.474;45.500  
p14=-61.500;45.465  
p15=-61.774;45.000  
p16=-62.000;44.590  
p17=-62.042;44.500  
p18=-62.323;44.000  
p19=-62.500;43.566  
p20=-62.527;43.500  
p21=-62.741;43.000  
p22=-62.936;42.500  
p23=-63.000;42.307  
p24=-63.104;42.000  
p25=-63.244;41.500  
p26=-63.347;41.000  
p27=-63.396;40.500  
p28=-63.464;40.000  
p29=-63.455;39.500  
p30=-63.500;39.139  
p31=-63.519;39.000  
p32=-63.525;38.500  
p33=-63.634;38.000  
p34=-63.722;37.500  
p35=-63.898;37.000  
p36=-64.000;36.734  
p37=-64.088;36.500

p38=-64.347;36.000  
p39=-64.500;35.726  
p40=-64.624;35.500  
p41=-64.957;35.000  
p42=-65.000;34.940  
p43=-65.309;34.500  
p44=-65.500;34.262  
p45=-65.733;34.000  
p46=-66.000;33.675  
p47=-66.165;33.500  
p48=-66.500;33.191  
p49=-66.699;33.000  
p50=-67.000;32.730  
p51=-67.259;32.500  
p52=-67.500;32.307  
p53=-67.967;32.000  
p54=-68.000;31.979  
p55=-68.500;31.679  
p56=-68.824;31.500  
p57=-69.000;31.411  
p58=-69.500;31.205  
p59=-69.979;31.000  
p60=-70.000;30.992  
p61=-70.500;30.855  
p62=-71.000;30.713  
p63=-71.500;30.651  
p64=-72.000;30.609  
p65=-72.500;30.703  
p66=-73.000;30.865  
p67=-73.178;31.000  
p68=-73.500;31.222  
p69=-73.811;31.500  
p70=-74.000;31.627  
p71=-74.500;31.911  
p72=-74.673;32.000  
p73=-75.000;32.114  
p74=-75.500;32.233  
p75=-76.000;32.306  
p76=-76.500;32.338  
p77=-77.000;32.331  
p78=-77.500;32.285  
p79=-78.000;32.187  
p80=-78.500;32.025  
p81=-78.561;32.000  
p82=-79.000;31.714  
p83=-79.353;31.500  
p84=-79.500;31.390  
p85=-80.000;31.100  
p86=-80.398;31.000  
p87=-80.500;30.982  
p88=-81.000;30.955  
p89=-81.196;31.000  
p90=-81.500;31.099  
p91=-82.000;31.308  
p92=-82.277;31.500  
p93=-82.500;31.664  
p94=-82.853;32.000

p95=-83.000;32.179  
p96=-83.252;32.500  
p97=-83.500;32.929  
p98=-83.531;33.000  
p99=-83.722;33.500  
p100=-83.827;34.000  
p101=-83.938;34.500  
p102=-83.876;35.000  
p103=-83.775;35.500  
p104=-83.500;35.916  
p105=-83.392;36.000  
p106=-83.000;36.227  
p107=-82.500;36.428  
p108=-82.321;36.500  
p109=-82.000;36.582  
p110=-81.585;37.000  
p111=-81.500;37.073  
p112=-81.278;37.500  
p113=-81.052;38.000  
p114=-81.000;38.117  
p115=-80.861;38.500  
p116=-80.725;39.000  
p117=-80.600;39.500  
p118=-80.513;40.000  
p119=-80.500;40.150  
p120=-80.464;40.500  
p121=-80.438;41.000  
p122=-80.450;41.500  
p123=-80.500;41.860  
p124=-80.582;42.000  
p125=-81.000;42.331  
p126=-81.415;42.500  
p127=-81.500;42.533  
p128=-82.000;42.579  
p129=-82.500;42.772  
p130=-82.573;43.000  
p131=-82.521;43.500  
p132=-82.500;43.634  
p133=-82.440;44.000  
p134=-82.268;44.500  
p135=-82.083;45.000  
p136=-82.000;45.179  
p137=-81.822;45.500  
p138=-81.538;46.000  
p139=-81.500;46.079  
p140=-81.222;46.500  
p141=-81.000;46.748  
p142=-80.791;47.000  
p143=-80.500;47.335  
p144=-80.360;47.500  
p145=-80.000;47.934  
p146=-79.930;48.000  
p147=-79.500;48.334  
p148=-79.274;48.500  
p149=-79.000;48.705  
p150=-78.634;49.000  
p151=-78.500;49.098

p152=-78.000;49.436  
p153=-77.884;49.500  
p154=-77.500;49.667  
p155=-77.000;49.902  
p156=-76.761;50.000  
p157=-76.500;50.119  
p158=-76.000;50.278  
p159=-75.500;50.451  
p160=-75.304;50.500  
p161=-75.000;50.580  
p162=-74.500;50.615  
p163=-74.000;50.650  
p164=-73.672;50.500  
p165=-73.500;50.365  
p166=-73.150;50.000  
p167=-73.000;49.833  
p168=-72.812;49.500  
p169=-72.500;49.295  
p170=-72.000;49.095  
p171=-71.612;49.000  
p172=-71.500;48.983  
p173=-71.000;48.933  
p174=-70.500;48.907  
p175=-70.000;48.894  
p176=-69.500;48.893  
p177=-69.000;48.924  
p178=-68.500;48.957  
p179=-68.079;49.000  
p180=-68.000;49.008  
p181=-67.500;49.071  
p182=-67.000;49.144  
p183=-66.500;49.216  
p184=-66.000;49.278  
p185=-65.500;49.348  
p186=-65.000;49.426  
p187=-64.534;49.500  
p188=-64.500;49.505  
p189=-64.000;49.582  
p190=-63.500;49.676  
p191=-63.000;49.794  
p192=-62.500;49.939  
p193=-62.314;50.000  
p194=-62.000;50.095  
p195=-61.500;50.203  
p196=-61.000;50.264  
p197=-60.500;50.305