

[FormatInfo]  
format\_ver=1

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

[COHeader]  
beam\_id=RU23  
emi\_rcp=R  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=7

[B1]  
gain=0.00  
p=-95.131;34.225

[C1]  
gain=-2.00  
n\_point=31  
p1=-96.500;35.380  
p2=-96.403;35.500  
p3=-96.000;35.816  
p4=-95.576;36.000  
p5=-95.500;36.026  
p6=-95.000;36.063  
p7=-94.679;36.000  
p8=-94.500;35.956  
p9=-94.000;35.637  
p10=-93.867;35.500  
p11=-93.557;35.000  
p12=-93.500;34.840  
p13=-93.412;34.500  
p14=-93.379;34.000  
p15=-93.442;33.500  
p16=-93.500;33.326  
p17=-93.645;33.000  
p18=-94.000;32.539  
p19=-94.048;32.500  
p20=-94.500;32.234  
p21=-95.000;32.108  
p22=-95.500;32.152  
p23=-96.000;32.364  
p24=-96.180;32.500  
p25=-96.500;32.824  
p26=-96.622;33.000  
p27=-96.823;33.500  
p28=-96.903;34.000  
p29=-96.865;34.500  
p30=-96.709;35.000  
p31=-96.500;35.380

[C2]

gain=-4.00  
n\_point=43  
p1=-97.500;35.162  
p2=-97.363;35.500  
p3=-97.038;36.000  
p4=-97.000;36.046  
p5=-96.500;36.499  
p6=-96.499;36.500  
p7=-96.000;36.758  
p8=-95.500;36.902  
p9=-95.000;36.933  
p10=-94.500;36.852  
p11=-94.000;36.636  
p12=-93.800;36.500  
p13=-93.500;36.255  
p14=-93.270;36.000  
p15=-93.000;35.621  
p16=-92.933;35.500  
p17=-92.760;35.000  
p18=-92.666;34.500  
p19=-92.649;34.000  
p20=-92.708;33.500  
p21=-92.847;33.000  
p22=-93.000;32.671  
p23=-93.100;32.500  
p24=-93.485;32.000  
p25=-93.500;31.984  
p26=-94.000;31.595  
p27=-94.201;31.500  
p28=-94.500;31.383  
p29=-95.000;31.298  
p30=-95.500;31.326  
p31=-96.000;31.467  
p32=-96.065;31.500  
p33=-96.500;31.766  
p34=-96.768;32.000  
p35=-97.000;32.251  
p36=-97.177;32.500  
p37=-97.450;33.000  
p38=-97.500;33.152  
p39=-97.591;33.500  
p40=-97.647;34.000  
p41=-97.633;34.500  
p42=-97.550;35.000  
p43=-97.500;35.162

[C3]

gain=-6.00  
n\_point=53  
p1=-98.000;35.473  
p2=-97.992;35.500  
p3=-97.744;36.000  
p4=-97.500;36.388  
p5=-97.409;36.500  
p6=-97.000;36.920  
p7=-96.893;37.000  
p8=-96.500;37.254

p9=-96.000;37.477  
p10=-95.907;37.500  
p11=-95.500;37.583  
p12=-95.000;37.605  
p13=-94.500;37.548  
p14=-94.345;37.500  
p15=-94.000;37.370  
p16=-93.500;37.076  
p17=-93.404;37.000  
p18=-93.000;36.626  
p19=-92.893;36.500  
p20=-92.542;36.000  
p21=-92.500;35.924  
p22=-92.312;35.500  
p23=-92.176;35.000  
p24=-92.106;34.500  
p25=-92.099;34.000  
p26=-92.156;33.500  
p27=-92.277;33.000  
p28=-92.474;32.500  
p29=-92.500;32.450  
p30=-92.781;32.000  
p31=-93.000;31.713  
p32=-93.203;31.500  
p33=-93.500;31.239  
p34=-93.866;31.000  
p35=-94.000;30.925  
p36=-94.500;30.753  
p37=-95.000;30.679  
p38=-95.500;30.703  
p39=-96.000;30.825  
p40=-96.399;31.000  
p41=-96.500;31.052  
p42=-97.000;31.420  
p43=-97.084;31.500  
p44=-97.500;31.971  
p45=-97.521;32.000  
p46=-97.813;32.500  
p47=-98.000;32.910  
p48=-98.033;33.000  
p49=-98.142;33.500  
p50=-98.192;34.000  
p51=-98.184;34.500  
p52=-98.118;35.000  
p53=-98.000;35.473

[C4]

gain=-8.00  
n\_point=61  
p1=-98.500;35.421  
p2=-98.481;35.500  
p3=-98.279;36.000  
p4=-98.022;36.500  
p5=-98.000;36.535  
p6=-97.647;37.000  
p7=-97.500;37.167  
p8=-97.127;37.500

p9=-97.000;37.594  
p10=-96.500;37.860  
p11=-96.118;38.000  
p12=-96.000;38.039  
p13=-95.500;38.130  
p14=-95.000;38.150  
p15=-94.500;38.100  
p16=-94.145;38.000  
p17=-94.000;37.954  
p18=-93.500;37.711  
p19=-93.179;37.500  
p20=-93.000;37.358  
p21=-92.648;37.000  
p22=-92.500;36.826  
p23=-92.276;36.500  
p24=-92.000;36.012  
p25=-91.994;36.000  
p26=-91.812;35.500  
p27=-91.704;35.000  
p28=-91.651;34.500  
p29=-91.652;34.000  
p30=-91.706;33.500  
p31=-91.814;33.000  
p32=-91.986;32.500  
p33=-92.000;32.468  
p34=-92.246;32.000  
p35=-92.500;31.600  
p36=-92.576;31.500  
p37=-93.000;31.030  
p38=-93.034;31.000  
p39=-93.500;30.643  
p40=-93.754;30.500  
p41=-94.000;30.379  
p42=-94.500;30.227  
p43=-95.000;30.161  
p44=-95.500;30.181  
p45=-96.000;30.288  
p46=-96.500;30.481  
p47=-96.534;30.500  
p48=-97.000;30.798  
p49=-97.242;31.000  
p50=-97.500;31.247  
p51=-97.714;31.500  
p52=-98.000;31.897  
p53=-98.062;32.000  
p54=-98.305;32.500  
p55=-98.493;33.000  
p56=-98.500;33.030  
p57=-98.591;33.500  
p58=-98.638;34.000  
p59=-98.636;34.500  
p60=-98.585;35.000  
p61=-98.500;35.421

[C5]

gain=-10.00

n\_point=69

p1=-99.000;34.884  
p2=-98.989;35.000  
p3=-98.890;35.500  
p4=-98.724;36.000  
p5=-98.509;36.500  
p6=-98.500;36.517  
p7=-98.199;37.000  
p8=-98.000;37.273  
p9=-97.800;37.500  
p10=-97.500;37.779  
p11=-97.203;38.000  
p12=-97.000;38.136  
p13=-96.500;38.374  
p14=-96.118;38.500  
p15=-96.000;38.535  
p16=-95.500;38.619  
p17=-95.000;38.638  
p18=-94.500;38.592  
p19=-94.146;38.500  
p20=-94.000;38.459  
p21=-93.500;38.239  
p22=-93.094;38.000  
p23=-93.000;37.938  
p24=-92.500;37.522  
p25=-92.479;37.500  
p26=-92.078;37.000  
p27=-92.000;36.887  
p28=-91.780;36.500  
p29=-91.546;36.000  
p30=-91.500;35.871  
p31=-91.389;35.500  
p32=-91.300;35.000  
p33=-91.261;34.500  
p34=-91.267;34.000  
p35=-91.319;33.500  
p36=-91.416;33.000  
p37=-91.500;32.724  
p38=-91.580;32.500  
p39=-91.806;32.000  
p40=-92.000;31.641  
p41=-92.091;31.500  
p42=-92.464;31.000  
p43=-92.500;30.957  
p44=-92.972;30.500  
p45=-93.000;30.476  
p46=-93.500;30.137  
p47=-93.778;30.000  
p48=-94.000;29.900  
p49=-94.500;29.762  
p50=-95.000;29.701  
p51=-95.500;29.719  
p52=-96.000;29.814  
p53=-96.500;29.990  
p54=-96.520;30.000  
p55=-97.000;30.269  
p56=-97.312;30.500  
p57=-97.500;30.658

p58=-97.830;31.000  
p59=-98.000;31.200  
p60=-98.212;31.500  
p61=-98.500;31.980  
p62=-98.510;32.000  
p63=-98.715;32.500  
p64=-98.877;33.000  
p65=-98.980;33.500  
p66=-99.000;33.695  
p67=-99.027;34.000  
p68=-99.030;34.500  
p69=-99.000;34.884

[C6]

gain=-15.00  
n\_point=83  
p1=-99.500;36.358  
p2=-99.449;36.500  
p3=-99.228;37.000  
p4=-99.000;37.437  
p5=-98.961;37.500  
p6=-98.585;38.000  
p7=-98.500;38.101  
p8=-98.104;38.500  
p9=-98.000;38.596  
p10=-97.500;38.980  
p11=-97.467;39.000  
p12=-97.000;39.263  
p13=-96.500;39.465  
p14=-96.374;39.500  
p15=-96.000;39.591  
p16=-95.500;39.659  
p17=-95.000;39.675  
p18=-94.500;39.639  
p19=-94.000;39.531  
p20=-93.904;39.500  
p21=-93.500;39.352  
p22=-93.000;39.106  
p23=-92.829;39.000  
p24=-92.500;38.775  
p25=-92.170;38.500  
p26=-92.000;38.344  
p27=-91.694;38.000  
p28=-91.500;37.761  
p29=-91.325;37.500  
p30=-91.051;37.000  
p31=-91.000;36.891  
p32=-90.845;36.500  
p33=-90.683;36.000  
p34=-90.559;35.500  
p35=-90.500;35.087  
p36=-90.489;35.000  
p37=-90.464;34.500  
p38=-90.473;34.000  
p39=-90.500;33.680  
p40=-90.518;33.500  
p41=-90.612;33.000

p42=-90.753;32.500  
p43=-90.926;32.000  
p44=-91.000;31.821  
p45=-91.152;31.500  
p46=-91.424;31.000  
p47=-91.500;30.875  
p48=-91.768;30.500  
p49=-92.000;30.207  
p50=-92.196;30.000  
p51=-92.500;29.702  
p52=-92.756;29.500  
p53=-93.000;29.316  
p54=-93.500;29.025  
p55=-93.560;29.000  
p56=-94.000;28.822  
p57=-94.500;28.696  
p58=-95.000;28.641  
p59=-95.500;28.654  
p60=-96.000;28.737  
p61=-96.500;28.891  
p62=-96.738;29.000  
p63=-97.000;29.124  
p64=-97.500;29.443  
p65=-97.571;29.500  
p66=-98.000;29.864  
p67=-98.130;30.000  
p68=-98.500;30.416  
p69=-98.562;30.500  
p70=-98.896;31.000  
p71=-99.000;31.177  
p72=-99.163;31.500  
p73=-99.379;32.000  
p74=-99.500;32.332  
p75=-99.554;32.500  
p76=-99.680;33.000  
p77=-99.763;33.500  
p78=-99.809;34.000  
p79=-99.819;34.500  
p80=-99.793;35.000  
p81=-99.726;35.500  
p82=-99.610;36.000  
p83=-99.500;36.358

[C7]

gain=-20.00  
n\_point=95  
p1=-100.000;37.016  
p2=-99.779;37.500  
p3=-99.505;38.000  
p4=-99.500;38.008  
p5=-99.145;38.500  
p6=-99.000;38.683  
p7=-98.707;39.000  
p8=-98.500;39.203  
p9=-98.146;39.500  
p10=-98.000;39.608  
p11=-97.500;39.919

p12=-97.341;40.000  
p13=-97.000;40.161  
p14=-96.500;40.335  
p15=-96.000;40.451  
p16=-95.630;40.500  
p17=-95.500;40.516  
p18=-95.000;40.531  
p19=-94.512;40.500  
p20=-94.500;40.499  
p21=-94.000;40.396  
p22=-93.500;40.241  
p23=-93.000;40.037  
p24=-92.929;40.000  
p25=-92.500;39.762  
p26=-92.111;39.500  
p27=-92.000;39.416  
p28=-91.560;39.000  
p29=-91.500;38.938  
p30=-91.141;38.500  
p31=-91.000;38.312  
p32=-90.799;38.000  
p33=-90.510;37.500  
p34=-90.500;37.478  
p35=-90.307;37.000  
p36=-90.138;36.500  
p37=-90.002;36.000  
p38=-90.000;35.989  
p39=-89.913;35.500  
p40=-89.863;35.000  
p41=-89.846;34.500  
p42=-89.857;34.000  
p43=-89.896;33.500  
p44=-89.965;33.000  
p45=-90.000;32.833  
p46=-90.079;32.500  
p47=-90.226;32.000  
p48=-90.402;31.500  
p49=-90.500;31.258  
p50=-90.618;31.000  
p51=-90.875;30.500  
p52=-91.000;30.281  
p53=-91.184;30.000  
p54=-91.500;29.561  
p55=-91.551;29.500  
p56=-92.000;29.004  
p57=-92.004;29.000  
p58=-92.500;28.571  
p59=-92.600;28.500  
p60=-93.000;28.237  
p61=-93.452;28.000  
p62=-93.500;27.977  
p63=-94.000;27.805  
p64=-94.500;27.692  
p65=-95.000;27.640  
p66=-95.500;27.652  
p67=-96.000;27.725  
p68=-96.500;27.860



p69=-96.861;28.000  
p70=-97.000;28.059  
p71=-97.500;28.340  
p72=-97.732;28.500  
p73=-98.000;28.701  
p74=-98.331;29.000  
p75=-98.500;29.165  
p76=-98.791;29.500  
p77=-99.000;29.762  
p78=-99.162;30.000  
p79=-99.466;30.500  
p80=-99.500;30.562  
p81=-99.712;31.000  
p82=-99.922;31.500  
p83=-100.000;31.712  
p84=-100.094;32.000  
p85=-100.231;32.500  
p86=-100.340;33.000  
p87=-100.412;33.500  
p88=-100.455;34.000  
p89=-100.467;34.500  
p90=-100.449;35.000  
p91=-100.395;35.500  
p92=-100.295;36.000  
p93=-100.164;36.500  
p94=-100.006;37.000  
p95=-100.000;37.016