

[FormatInfo]  
format\_ver=1

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

[COHeader]  
beam\_id=RU29  
emi\_rcp=R  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=7

[B1]  
gain=0.00  
p=-92.398;28.802

[C1]  
gain=-2.00  
n\_point=29  
p1=-94.000;30.039  
p2=-93.654;30.500  
p3=-93.500;30.643  
p4=-93.000;30.912  
p5=-92.500;30.996  
p6=-92.000;30.892  
p7=-91.500;30.597  
p8=-91.401;30.500  
p9=-91.048;30.000  
p10=-91.000;29.870  
p11=-90.905;29.500  
p12=-90.880;29.000  
p13=-90.957;28.500  
p14=-91.000;28.378  
p15=-91.185;28.000  
p16=-91.500;27.584  
p17=-91.602;27.500  
p18=-92.000;27.260  
p19=-92.500;27.145  
p20=-93.000;27.218  
p21=-93.500;27.482  
p22=-93.519;27.500  
p23=-93.918;28.000  
p24=-94.000;28.162  
p25=-94.120;28.500  
p26=-94.192;29.000  
p27=-94.158;29.500  
p28=-94.020;30.000  
p29=-94.000;30.039

[C2]  
gain=-4.00  
n\_point=41

p1=-94.500;30.565  
p2=-94.181;31.000  
p3=-94.000;31.197  
p4=-93.587;31.500  
p5=-93.500;31.553  
p6=-93.000;31.732  
p7=-92.500;31.789  
p8=-92.000;31.724  
p9=-91.500;31.535  
p10=-91.444;31.500  
p11=-91.000;31.161  
p12=-90.851;31.000  
p13=-90.500;30.514  
p14=-90.492;30.500  
p15=-90.302;30.000  
p16=-90.207;29.500  
p17=-90.193;29.000  
p18=-90.257;28.500  
p19=-90.397;28.000  
p20=-90.500;27.759  
p21=-90.643;27.500  
p22=-91.000;27.013  
p23=-91.013;27.000  
p24=-91.500;26.617  
p25=-91.743;26.500  
p26=-92.000;26.397  
p27=-92.500;26.325  
p28=-93.000;26.378  
p29=-93.329;26.500  
p30=-93.500;26.576  
p31=-94.000;26.949  
p32=-94.049;27.000  
p33=-94.430;27.500  
p34=-94.500;27.623  
p35=-94.663;28.000  
p36=-94.802;28.500  
p37=-94.860;29.000  
p38=-94.836;29.500  
p39=-94.730;30.000  
p40=-94.536;30.500  
p41=-94.500;30.565

[C3]

gain=-6.00  
n\_point=49  
p1=-95.000;30.717  
p2=-94.841;31.000  
p3=-94.500;31.485  
p4=-94.486;31.500  
p5=-94.000;31.942  
p6=-93.904;32.000  
p7=-93.500;32.213  
p8=-93.000;32.369  
p9=-92.500;32.419  
p10=-92.000;32.363  
p11=-91.500;32.201  
p12=-91.127;32.000

p13=-91.000;31.920  
p14=-90.527;31.500  
p15=-90.500;31.471  
p16=-90.166;31.000  
p17=-90.000;30.701  
p18=-89.912;30.500  
p19=-89.760;30.000  
p20=-89.686;29.500  
p21=-89.678;29.000  
p22=-89.733;28.500  
p23=-89.849;28.000  
p24=-90.000;27.565  
p25=-90.028;27.500  
p26=-90.313;27.000  
p27=-90.500;26.733  
p28=-90.712;26.500  
p29=-91.000;26.233  
p30=-91.355;26.000  
p31=-91.500;25.917  
p32=-92.000;25.746  
p33=-92.500;25.688  
p34=-93.000;25.743  
p35=-93.500;25.912  
p36=-93.657;26.000  
p37=-94.000;26.218  
p38=-94.316;26.500  
p39=-94.500;26.695  
p40=-94.721;27.000  
p41=-95.000;27.471  
p42=-95.014;27.500  
p43=-95.189;28.000  
p44=-95.303;28.500  
p45=-95.352;29.000  
p46=-95.334;29.500  
p47=-95.251;30.000  
p48=-95.096;30.500  
p49=-95.000;30.717

[C4]

gain=-8.00  
n\_point=57  
p1=-95.500;30.620  
p2=-95.329;31.000  
p3=-95.049;31.500  
p4=-95.000;31.573  
p5=-94.641;32.000  
p6=-94.500;32.146  
p7=-94.051;32.500  
p8=-94.000;32.536  
p9=-93.500;32.771  
p10=-93.000;32.909  
p11=-92.500;32.953  
p12=-92.000;32.903  
p13=-91.500;32.759  
p14=-91.000;32.520  
p15=-90.971;32.500  
p16=-90.500;32.140

p17=-90.359;32.000  
p18=-90.000;31.585  
p19=-89.942;31.500  
p20=-89.656;31.000  
p21=-89.500;30.648  
p22=-89.447;30.500  
p23=-89.322;30.000  
p24=-89.263;29.500  
p25=-89.258;29.000  
p26=-89.305;28.500  
p27=-89.402;28.000  
p28=-89.500;27.662  
p29=-89.557;27.500  
p30=-89.787;27.000  
p31=-90.000;26.621  
p32=-90.085;26.500  
p33=-90.498;26.000  
p34=-90.500;25.997  
p35=-91.000;25.592  
p36=-91.162;25.500  
p37=-91.500;25.326  
p38=-92.000;25.176  
p39=-92.500;25.129  
p40=-93.000;25.188  
p41=-93.500;25.348  
p42=-93.789;25.500  
p43=-94.000;25.620  
p44=-94.475;26.000  
p45=-94.500;26.023  
p46=-94.908;26.500  
p47=-95.000;26.626  
p48=-95.217;27.000  
p49=-95.457;27.500  
p50=-95.500;27.620  
p51=-95.611;28.000  
p52=-95.706;28.500  
p53=-95.748;29.000  
p54=-95.736;29.500  
p55=-95.669;30.000  
p56=-95.543;30.500  
p57=-95.500;30.620

[C5]

gain=-10.00  
n\_point=65  
p1=-96.000;30.139  
p2=-95.908;30.500  
p3=-95.724;31.000  
p4=-95.500;31.493  
p5=-95.496;31.500  
p6=-95.161;32.000  
p7=-95.000;32.211  
p8=-94.721;32.500  
p9=-94.500;32.705  
p10=-94.080;33.000  
p11=-94.000;33.050  
p12=-93.500;33.257

p13=-93.000;33.378  
p14=-92.500;33.415  
p15=-92.000;33.369  
p16=-91.500;33.240  
p17=-91.000;33.029  
p18=-90.951;33.000  
p19=-90.500;32.694  
p20=-90.281;32.500  
p21=-90.000;32.221  
p22=-89.826;32.000  
p23=-89.500;31.535  
p24=-89.480;31.500  
p25=-89.248;31.000  
p26=-89.060;30.500  
p27=-89.000;30.263  
p28=-88.946;30.000  
p29=-88.897;29.500  
p30=-88.894;29.000  
p31=-88.934;28.500  
p32=-89.000;28.099  
p33=-89.020;28.000  
p34=-89.165;27.500  
p35=-89.354;27.000  
p36=-89.500;26.682  
p37=-89.602;26.500  
p38=-89.930;26.000  
p39=-90.000;25.907  
p40=-90.382;25.500  
p41=-90.500;25.386  
p42=-91.000;25.022  
p43=-91.042;25.000  
p44=-91.500;24.786  
p45=-92.000;24.652  
p46=-92.500;24.615  
p47=-93.000;24.676  
p48=-93.500;24.831  
p49=-93.835;25.000  
p50=-94.000;25.088  
p51=-94.500;25.462  
p52=-94.539;25.500  
p53=-95.000;25.984  
p54=-95.012;26.000  
p55=-95.353;26.500  
p56=-95.500;26.749  
p57=-95.620;27.000  
p58=-95.817;27.500  
p59=-95.968;28.000  
p60=-96.000;28.160  
p61=-96.055;28.500  
p62=-96.091;29.000  
p63=-96.082;29.500  
p64=-96.028;30.000  
p65=-96.000;30.139

[C6]

gain=-15.00

n\_point=79

p1=-96.500;30.989  
p2=-96.497;31.000  
p3=-96.307;31.500  
p4=-96.087;32.000  
p5=-96.000;32.176  
p6=-95.800;32.500  
p7=-95.500;32.939  
p8=-95.448;33.000  
p9=-95.000;33.475  
p10=-94.970;33.500  
p11=-94.500;33.864  
p12=-94.262;34.000  
p13=-94.000;34.140  
p14=-93.500;34.317  
p15=-93.000;34.415  
p16=-92.500;34.440  
p17=-92.000;34.392  
p18=-91.500;34.271  
p19=-91.000;34.077  
p20=-90.860;34.000  
p21=-90.500;33.794  
p22=-90.113;33.500  
p23=-90.000;33.409  
p24=-89.590;33.000  
p25=-89.500;32.899  
p26=-89.208;32.500  
p27=-89.000;32.188  
p28=-88.897;32.000  
p29=-88.654;31.500  
p30=-88.500;31.127  
p31=-88.457;31.000  
p32=-88.323;30.500  
p33=-88.225;30.000  
p34=-88.176;29.500  
p35=-88.167;29.000  
p36=-88.201;28.500  
p37=-88.268;28.000  
p38=-88.367;27.500  
p39=-88.496;27.000  
p40=-88.500;26.986  
p41=-88.680;26.500  
p42=-88.898;26.000  
p43=-89.000;25.796  
p44=-89.178;25.500  
p45=-89.500;25.022  
p46=-89.518;25.000  
p47=-89.973;24.500  
p48=-90.000;24.473  
p49=-90.500;24.074  
p50=-90.622;24.000  
p51=-91.000;23.793  
p52=-91.500;23.600  
p53=-91.967;23.500  
p54=-92.000;23.494  
p55=-92.500;23.473  
p56=-92.746;23.500  
p57=-93.000;23.531

p58=-93.500;23.674  
p59=-94.000;23.902  
p60=-94.156;24.000  
p61=-94.500;24.234  
p62=-94.802;24.500  
p63=-95.000;24.686  
p64=-95.266;25.000  
p65=-95.500;25.291  
p66=-95.635;25.500  
p67=-95.941;26.000  
p68=-96.000;26.105  
p69=-96.180;26.500  
p70=-96.381;27.000  
p71=-96.500;27.350  
p72=-96.541;27.500  
p73=-96.646;28.000  
p74=-96.717;28.500  
p75=-96.751;29.000  
p76=-96.746;29.500  
p77=-96.703;30.000  
p78=-96.618;30.500  
p79=-96.500;30.989

[C7]

gain=-20.00  
n\_point=89  
p1=-97.000;31.189  
p2=-96.905;31.500  
p3=-96.732;32.000  
p4=-96.537;32.500  
p5=-96.500;32.585  
p6=-96.277;33.000  
p7=-96.000;33.464  
p8=-95.973;33.500  
p9=-95.576;34.000  
p10=-95.500;34.088  
p11=-95.057;34.500  
p12=-95.000;34.549  
p13=-94.500;34.890  
p14=-94.276;35.000  
p15=-94.000;35.128  
p16=-93.500;35.279  
p17=-93.000;35.358  
p18=-92.500;35.369  
p19=-92.000;35.314  
p20=-91.500;35.192  
p21=-91.000;35.002  
p22=-90.996;35.000  
p23=-90.500;34.718  
p24=-90.202;34.500  
p25=-90.000;34.349  
p26=-89.626;34.000  
p27=-89.500;33.879  
p28=-89.176;33.500  
p29=-89.000;33.287  
p30=-88.805;33.000  
p31=-88.500;32.519

p32=-88.490;32.500  
p33=-88.257;32.000  
p34=-88.041;31.500  
p35=-88.000;31.388  
p36=-87.885;31.000  
p37=-87.763;30.500  
p38=-87.672;30.000  
p39=-87.622;29.500  
p40=-87.605;29.000  
p41=-87.620;28.500  
p42=-87.670;28.000  
p43=-87.745;27.500  
p44=-87.846;27.000  
p45=-87.970;26.500  
p46=-88.000;26.399  
p47=-88.141;26.000  
p48=-88.352;25.500  
p49=-88.500;25.191  
p50=-88.609;25.000  
p51=-88.930;24.500  
p52=-89.000;24.403  
p53=-89.343;24.000  
p54=-89.500;23.832  
p55=-89.871;23.500  
p56=-90.000;23.395  
p57=-90.500;23.065  
p58=-90.627;23.000  
p59=-91.000;22.829  
p60=-91.500;22.670  
p61=-92.000;22.581  
p62=-92.500;22.563  
p63=-93.000;22.617  
p64=-93.500;22.741  
p65=-94.000;22.933  
p66=-94.130;23.000  
p67=-94.500;23.217  
p68=-94.888;23.500  
p69=-95.000;23.591  
p70=-95.408;24.000  
p71=-95.500;24.101  
p72=-95.796;24.500  
p73=-96.000;24.798  
p74=-96.112;25.000  
p75=-96.372;25.500  
p76=-96.500;25.760  
p77=-96.594;26.000  
p78=-96.778;26.500  
p79=-96.944;27.000  
p80=-97.000;27.198  
p81=-97.066;27.500  
p82=-97.152;28.000  
p83=-97.212;28.500  
p84=-97.242;29.000  
p85=-97.240;29.500  
p86=-97.205;30.000  
p87=-97.138;30.500  
p88=-97.044;31.000



p89=-97.000;31.189