

[FormatInfo]  
format\_ver=1

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

[COHeader]  
beam\_id=RU21  
emi\_rcp=R  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=7

[B1]  
gain=0.00  
p=-106.330;34.358

[C1]  
gain=-2.00  
n\_point=33  
p1=-108.000;35.175  
p2=-107.775;35.500  
p3=-107.500;35.767  
p4=-107.097;36.000  
p5=-107.000;36.042  
p6=-106.500;36.127  
p7=-106.000;36.081  
p8=-105.798;36.000  
p9=-105.500;35.850  
p10=-105.059;35.500  
p11=-105.000;35.439  
p12=-104.697;35.000  
p13=-104.500;34.537  
p14=-104.488;34.500  
p15=-104.423;34.000  
p16=-104.462;33.500  
p17=-104.500;33.359  
p18=-104.634;33.000  
p19=-104.976;32.500  
p20=-105.000;32.476  
p21=-105.500;32.157  
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p24=-107.000;32.204  
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p26=-107.500;32.541  
p27=-107.857;33.000  
p28=-108.000;33.259  
p29=-108.099;33.500  
p30=-108.195;34.000  
p31=-108.196;34.500  
p32=-108.086;35.000  
p33=-108.000;35.175

[C2]

gain=-4.00  
n\_point=47  
p1=-109.000;34.878  
p2=-108.983;35.000  
p3=-108.811;35.500  
p4=-108.541;36.000  
p5=-108.500;36.057  
p6=-108.071;36.500  
p7=-108.000;36.559  
p8=-107.500;36.840  
p9=-107.000;36.995  
p10=-106.937;37.000  
p11=-106.500;37.030  
p12=-106.205;37.000  
p13=-106.000;36.975  
p14=-105.500;36.812  
p15=-105.000;36.519  
p16=-104.976;36.500  
p17=-104.500;36.057  
p18=-104.453;36.000  
p19=-104.100;35.500  
p20=-104.000;35.315  
p21=-103.871;35.000  
p22=-103.757;34.500  
p23=-103.712;34.000  
p24=-103.738;33.500  
p25=-103.839;33.000  
p26=-104.000;32.582  
p27=-104.041;32.500  
p28=-104.410;32.000  
p29=-104.500;31.904  
p30=-105.000;31.515  
p31=-105.029;31.500  
p32=-105.500;31.300  
p33=-106.000;31.190  
p34=-106.500;31.183  
p35=-107.000;31.284  
p36=-107.496;31.500  
p37=-107.500;31.502  
p38=-108.000;31.877  
p39=-108.126;32.000  
p40=-108.500;32.449  
p41=-108.535;32.500  
p42=-108.779;33.000  
p43=-108.938;33.500  
p44=-109.000;33.842  
p45=-109.025;34.000  
p46=-109.043;34.500  
p47=-109.000;34.878

[C3]

gain=-6.00  
n\_point=55  
p1=-109.500;35.539  
p2=-109.302;36.000

p3=-109.011;36.500  
p4=-109.000;36.514  
p5=-108.552;37.000  
p6=-108.500;37.043  
p7=-108.000;37.363  
p8=-107.695;37.500  
p9=-107.500;37.576  
p10=-107.000;37.676  
p11=-106.500;37.696  
p12=-106.000;37.644  
p13=-105.500;37.521  
p14=-105.447;37.500  
p15=-105.000;37.292  
p16=-104.581;37.000  
p17=-104.500;36.934  
p18=-104.082;36.500  
p19=-104.000;36.403  
p20=-103.727;36.000  
p21=-103.500;35.596  
p22=-103.458;35.500  
p23=-103.307;35.000  
p24=-103.217;34.500  
p25=-103.181;34.000  
p26=-103.202;33.500  
p27=-103.283;33.000  
p28=-103.440;32.500  
p29=-103.500;32.370  
p30=-103.713;32.000  
p31=-104.000;31.609  
p32=-104.103;31.500  
p33=-104.500;31.151  
p34=-104.729;31.000  
p35=-105.000;30.845  
p36=-105.500;30.649  
p37=-106.000;30.539  
p38=-106.500;30.517  
p39=-107.000;30.584  
p40=-107.500;30.746  
p41=-107.971;31.000  
p42=-108.000;31.018  
p43=-108.500;31.433  
p44=-108.565;31.500  
p45=-108.981;32.000  
p46=-109.000;32.028  
p47=-109.260;32.500  
p48=-109.455;33.000  
p49=-109.500;33.163  
p50=-109.582;33.500  
p51=-109.656;34.000  
p52=-109.682;34.500  
p53=-109.636;35.000  
p54=-109.514;35.500  
p55=-109.500;35.539

[C4]

gain=-8.00  
n\_point=65

p1=-110.000;35.734  
p2=-109.907;36.000  
p3=-109.672;36.500  
p4=-109.500;36.778  
p5=-109.335;37.000  
p6=-109.000;37.346  
p7=-108.814;37.500  
p8=-108.500;37.723  
p9=-108.000;37.991  
p10=-107.978;38.000  
p11=-107.500;38.161  
p12=-107.000;38.258  
p13=-106.500;38.276  
p14=-106.000;38.225  
p15=-105.500;38.109  
p16=-105.199;38.000  
p17=-105.000;37.921  
p18=-104.500;37.626  
p19=-104.339;37.500  
p20=-104.000;37.198  
p21=-103.820;37.000  
p22=-103.500;36.589  
p23=-103.443;36.500  
p24=-103.176;36.000  
p25=-103.000;35.581  
p26=-102.973;35.500  
p27=-102.851;35.000  
p28=-102.780;34.500  
p29=-102.754;34.000  
p30=-102.773;33.500  
p31=-102.842;33.000  
p32=-102.973;32.500  
p33=-103.000;32.428  
p34=-103.202;32.000  
p35=-103.500;31.500  
p36=-103.500;31.499  
p37=-103.948;31.000  
p38=-104.000;30.949  
p39=-104.500;30.564  
p40=-104.609;30.500  
p41=-105.000;30.293  
p42=-105.500;30.101  
p43=-105.935;30.000  
p44=-106.000;29.986  
p45=-106.500;29.950  
p46=-107.000;29.986  
p47=-107.062;30.000  
p48=-107.500;30.108  
p49=-108.000;30.322  
p50=-108.285;30.500  
p51=-108.500;30.653  
p52=-108.885;31.000  
p53=-109.000;31.118  
p54=-109.308;31.500  
p55=-109.500;31.775  
p56=-109.631;32.000  
p57=-109.852;32.500

p58=-110.000;32.937  
p59=-110.019;33.000  
p60=-110.128;33.500  
p61=-110.197;34.000  
p62=-110.217;34.500  
p63=-110.170;35.000  
p64=-110.070;35.500  
p65=-110.000;35.734

[C5]

gain=-10.00  
n\_point=73  
p1=-110.500;35.729  
p2=-110.422;36.000  
p3=-110.227;36.500  
p4=-110.000;36.931  
p5=-109.957;37.000  
p6=-109.556;37.500  
p7=-109.500;37.560  
p8=-109.000;37.999  
p9=-108.998;38.000  
p10=-108.500;38.307  
p11=-108.087;38.500  
p12=-108.000;38.536  
p13=-107.500;38.683  
p14=-107.000;38.773  
p15=-106.500;38.800  
p16=-106.000;38.754  
p17=-105.500;38.648  
p18=-105.056;38.500  
p19=-105.000;38.480  
p20=-104.500;38.228  
p21=-104.177;38.000  
p22=-104.000;37.863  
p23=-103.623;37.500  
p24=-103.500;37.364  
p25=-103.230;37.000  
p26=-103.000;36.635  
p27=-102.932;36.500  
p28=-102.729;36.000  
p29=-102.566;35.500  
p30=-102.500;35.213  
p31=-102.460;35.000  
p32=-102.407;34.500  
p33=-102.389;34.000  
p34=-102.409;33.500  
p35=-102.467;33.000  
p36=-102.500;32.852  
p37=-102.597;32.500  
p38=-102.794;32.000  
p39=-103.000;31.584  
p40=-103.051;31.500  
p41=-103.420;31.000  
p42=-103.500;30.905  
p43=-103.917;30.500  
p44=-104.000;30.428  
p45=-104.500;30.074

p46=-104.633;30.000  
p47=-105.000;29.812  
p48=-105.500;29.618  
p49=-105.961;29.500  
p50=-106.000;29.490  
p51=-106.500;29.437  
p52=-107.000;29.452  
p53=-107.286;29.500  
p54=-107.500;29.541  
p55=-108.000;29.716  
p56=-108.500;29.982  
p57=-108.526;30.000  
p58=-109.000;30.376  
p59=-109.129;30.500  
p60=-109.500;30.904  
p61=-109.576;31.000  
p62=-109.922;31.500  
p63=-110.000;31.637  
p64=-110.175;32.000  
p65=-110.367;32.500  
p66=-110.500;32.946  
p67=-110.515;33.000  
p68=-110.613;33.500  
p69=-110.670;34.000  
p70=-110.682;34.500  
p71=-110.642;35.000  
p72=-110.558;35.500  
p73=-110.500;35.729

[C6]

gain=-15.00  
n\_point=87  
p1=-111.500;35.889  
p2=-111.474;36.000  
p3=-111.321;36.500  
p4=-111.112;37.000  
p5=-111.000;37.213  
p6=-110.830;37.500  
p7=-110.500;37.971  
p8=-110.477;38.000  
p9=-110.017;38.500  
p10=-110.000;38.516  
p11=-109.500;38.914  
p12=-109.374;39.000  
p13=-109.000;39.221  
p14=-108.500;39.468  
p15=-108.415;39.500  
p16=-108.000;39.647  
p17=-107.500;39.772  
p18=-107.000;39.853  
p19=-106.500;39.892  
p20=-106.000;39.887  
p21=-105.500;39.821  
p22=-105.000;39.702  
p23=-104.500;39.531  
p24=-104.430;39.500  
p25=-104.000;39.287

p26=-103.575;39.000  
p27=-103.500;38.942  
p28=-103.028;38.500  
p29=-103.000;38.470  
p30=-102.625;38.000  
p31=-102.500;37.818  
p32=-102.320;37.500  
p33=-102.103;37.000  
p34=-102.000;36.702  
p35=-101.941;36.500  
p36=-101.826;36.000  
p37=-101.744;35.500  
p38=-101.696;35.000  
p39=-101.678;34.500  
p40=-101.683;34.000  
p41=-101.713;33.500  
p42=-101.780;33.000  
p43=-101.884;32.500  
p44=-102.000;32.091  
p45=-102.033;32.000  
p46=-102.259;31.500  
p47=-102.500;31.035  
p48=-102.522;31.000  
p49=-102.888;30.500  
p50=-103.000;30.359  
p51=-103.339;30.000  
p52=-103.500;29.841  
p53=-103.904;29.500  
p54=-104.000;29.419  
p55=-104.500;29.068  
p56=-104.619;29.000  
p57=-105.000;28.778  
p58=-105.500;28.550  
p59=-105.662;28.500  
p60=-106.000;28.399  
p61=-106.500;28.318  
p62=-107.000;28.304  
p63=-107.500;28.358  
p64=-108.000;28.475  
p65=-108.068;28.500  
p66=-108.500;28.674  
p67=-109.000;28.938  
p68=-109.092;29.000  
p69=-109.500;29.316  
p70=-109.698;29.500  
p71=-110.000;29.810  
p72=-110.160;30.000  
p73=-110.500;30.439  
p74=-110.542;30.500  
p75=-110.841;31.000  
p76=-111.000;31.315  
p77=-111.082;31.500  
p78=-111.277;32.000  
p79=-111.435;32.500  
p80=-111.500;32.758  
p81=-111.553;33.000  
p82=-111.621;33.500

p83=-111.662;34.000  
p84=-111.675;34.500  
p85=-111.645;35.000  
p86=-111.581;35.500  
p87=-111.500;35.889

[C7]

gain=-20.00  
n\_point=101  
p1=-112.500;34.683  
p2=-112.480;35.000  
p3=-112.422;35.500  
p4=-112.335;36.000  
p5=-112.215;36.500  
p6=-112.044;37.000  
p7=-112.000;37.104  
p8=-111.818;37.500  
p9=-111.542;38.000  
p10=-111.500;38.063  
p11=-111.186;38.500  
p12=-111.000;38.711  
p13=-110.717;39.000  
p14=-110.500;39.194  
p15=-110.112;39.500  
p16=-110.000;39.581  
p17=-109.500;39.896  
p18=-109.310;40.000  
p19=-109.000;40.159  
p20=-108.500;40.381  
p21=-108.179;40.500  
p22=-108.000;40.558  
p23=-107.500;40.690  
p24=-107.000;40.781  
p25=-106.500;40.837  
p26=-106.000;40.858  
p27=-105.500;40.840  
p28=-105.000;40.769  
p29=-104.500;40.647  
p30=-104.059;40.500  
p31=-104.000;40.478  
p32=-103.500;40.240  
p33=-103.118;40.000  
p34=-103.000;39.918  
p35=-102.500;39.507  
p36=-102.493;39.500  
p37=-102.040;39.000  
p38=-102.000;38.946  
p39=-101.716;38.500  
p40=-101.500;38.078  
p41=-101.464;38.000  
p42=-101.279;37.500  
p43=-101.164;37.000  
p44=-101.097;36.500  
p45=-101.066;36.000  
p46=-101.062;35.500  
p47=-101.083;35.000  
p48=-101.116;34.500



p49=-101.165;34.000  
p50=-101.225;33.500  
p51=-101.301;33.000  
p52=-101.398;32.500  
p53=-101.500;32.055  
p54=-101.518;32.000  
p55=-101.714;31.500  
p56=-101.937;31.000  
p57=-102.000;30.884  
p58=-102.247;30.500  
p59=-102.500;30.134  
p60=-102.609;30.000  
p61=-103.000;29.555  
p62=-103.055;29.500  
p63=-103.500;29.053  
p64=-103.562;29.000  
p65=-104.000;28.593  
p66=-104.120;28.500  
p67=-104.500;28.192  
p68=-104.797;28.000  
p69=-105.000;27.873  
p70=-105.500;27.641  
p71=-105.939;27.500  
p72=-106.000;27.483  
p73=-106.500;27.404  
p74=-107.000;27.384  
p75=-107.500;27.420  
p76=-107.932;27.500  
p77=-108.000;27.514  
p78=-108.500;27.674  
p79=-109.000;27.894  
p80=-109.187;28.000  
p81=-109.500;28.190  
p82=-109.912;28.500  
p83=-110.000;28.572  
p84=-110.434;29.000  
p85=-110.500;29.071  
p86=-110.845;29.500  
p87=-111.000;29.706  
p88=-111.193;30.000  
p89=-111.495;30.500  
p90=-111.500;30.510  
p91=-111.721;31.000  
p92=-111.938;31.500  
p93=-112.000;31.660  
p94=-112.117;32.000  
p95=-112.252;32.500  
p96=-112.353;33.000  
p97=-112.433;33.500  
p98=-112.488;34.000  
p99=-112.500;34.261  
p100=-112.510;34.500  
p101=-112.500;34.683