

[FormatInfo]  
format\_ver=1

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

[COHeader]  
beam\_id=RU10  
emi\_rcp=R  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=10

[B1]  
gain=0.00  
p=-124.152;39.806

[C1]  
gain=-2.00  
n\_point=45  
p1=-127.000;41.165  
p2=-126.852;41.500  
p3=-126.500;41.840  
p4=-126.258;42.000  
p5=-126.000;42.110  
p6=-125.500;42.234  
p7=-125.000;42.259  
p8=-124.500;42.212  
p9=-124.000;42.094  
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p11=-123.500;41.886  
p12=-123.000;41.595  
p13=-122.875;41.500  
p14=-122.500;41.215  
p15=-122.278;41.000  
p16=-122.000;40.655  
p17=-121.886;40.500  
p18=-121.629;40.000  
p19=-121.500;39.646  
p20=-121.450;39.500  
p21=-121.370;39.000  
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p23=-121.500;38.406  
p24=-121.726;38.000  
p25=-122.000;37.713  
p26=-122.313;37.500  
p27=-122.500;37.411  
p28=-123.000;37.256  
p29=-123.500;37.199  
p30=-124.000;37.243  
p31=-124.500;37.344  
p32=-124.911;37.500  
p33=-125.000;37.541

p34=-125.500;37.819  
p35=-125.758;38.000  
p36=-126.000;38.211  
p37=-126.314;38.500  
p38=-126.500;38.759  
p39=-126.654;39.000  
p40=-126.927;39.500  
p41=-127.000;39.709  
p42=-127.094;40.000  
p43=-127.129;40.500  
p44=-127.056;41.000  
p45=-127.000;41.165

[C2]

gain=-4.00  
n\_point=63  
p1=-128.500;41.561  
p2=-128.305;42.000  
p3=-128.000;42.416  
p4=-127.922;42.500  
p5=-127.500;42.833  
p6=-127.220;43.000  
p7=-127.000;43.095  
p8=-126.500;43.247  
p9=-126.000;43.342  
p10=-125.500;43.386  
p11=-125.000;43.354  
p12=-124.500;43.286  
p13=-124.000;43.156  
p14=-123.534;43.000  
p15=-123.500;42.988  
p16=-123.000;42.745  
p17=-122.547;42.500  
p18=-122.500;42.471  
p19=-122.000;42.066  
p20=-121.927;42.000  
p21=-121.500;41.552  
p22=-121.460;41.500  
p23=-121.069;41.000  
p24=-121.000;40.880  
p25=-120.821;40.500  
p26=-120.596;40.000  
p27=-120.500;39.682  
p28=-120.455;39.500  
p29=-120.376;39.000  
p30=-120.364;38.500  
p31=-120.445;38.000  
p32=-120.500;37.833  
p33=-120.645;37.500  
p34=-121.000;37.057  
p35=-121.061;37.000  
p36=-121.500;36.697  
p37=-121.897;36.500  
p38=-122.000;36.457  
p39=-122.500;36.305  
p40=-123.000;36.213  
p41=-123.500;36.186

p42=-124.000;36.207  
p43=-124.500;36.290  
p44=-125.000;36.435  
p45=-125.182;36.500  
p46=-125.500;36.635  
p47=-126.000;36.919  
p48=-126.128;37.000  
p49=-126.500;37.267  
p50=-126.778;37.500  
p51=-127.000;37.695  
p52=-127.305;38.000  
p53=-127.500;38.239  
p54=-127.704;38.500  
p55=-128.000;38.965  
p56=-128.021;39.000  
p57=-128.286;39.500  
p58=-128.468;40.000  
p59=-128.500;40.166  
p60=-128.559;40.500  
p61=-128.566;41.000  
p62=-128.522;41.500  
p63=-128.500;41.561

[C3]

gain=-6.00  
n\_point=77  
p1=-129.500;42.317  
p2=-129.429;42.500  
p3=-129.085;43.000  
p4=-129.000;43.076  
p5=-128.500;43.451  
p6=-128.422;43.500  
p7=-128.000;43.737  
p8=-127.500;43.961  
p9=-127.374;44.000  
p10=-127.000;44.102  
p11=-126.500;44.193  
p12=-126.000;44.243  
p13=-125.500;44.246  
p14=-125.000;44.218  
p15=-124.500;44.144  
p16=-124.000;44.035  
p17=-123.879;44.000  
p18=-123.500;43.884  
p19=-123.000;43.686  
p20=-122.628;43.500  
p21=-122.500;43.428  
p22=-122.000;43.112  
p23=-121.857;43.000  
p24=-121.500;42.698  
p25=-121.287;42.500  
p26=-121.000;42.175  
p27=-120.872;42.000  
p28=-120.515;41.500  
p29=-120.500;41.476  
p30=-120.255;41.000  
p31=-120.026;40.500

p32=-120.000;40.426  
p33=-119.879;40.000  
p34=-119.737;39.500  
p35=-119.655;39.000  
p36=-119.625;38.500  
p37=-119.635;38.000  
p38=-119.726;37.500  
p39=-119.947;37.000  
p40=-120.000;36.920  
p41=-120.356;36.500  
p42=-120.500;36.372  
p43=-121.000;36.026  
p44=-121.048;36.000  
p45=-121.500;35.797  
p46=-122.000;35.620  
p47=-122.461;35.500  
p48=-122.500;35.491  
p49=-123.000;35.410  
p50=-123.500;35.370  
p51=-124.000;35.402  
p52=-124.500;35.483  
p53=-124.572;35.500  
p54=-125.000;35.612  
p55=-125.500;35.798  
p56=-125.982;36.000  
p57=-126.000;36.009  
p58=-126.500;36.296  
p59=-126.827;36.500  
p60=-127.000;36.627  
p61=-127.443;37.000  
p62=-127.500;37.050  
p63=-127.960;37.500  
p64=-128.000;37.544  
p65=-128.403;38.000  
p66=-128.500;38.137  
p67=-128.740;38.500  
p68=-129.000;38.920  
p69=-129.046;39.000  
p70=-129.316;39.500  
p71=-129.500;39.984  
p72=-129.506;40.000  
p73=-129.634;40.500  
p74=-129.697;41.000  
p75=-129.681;41.500  
p76=-129.601;42.000  
p77=-129.500;42.317

[C4]

gain=-8.00  
n\_point=91  
p1=-130.500;42.738  
p2=-130.415;43.000  
p3=-130.058;43.500  
p4=-130.000;43.554  
p5=-129.500;43.958  
p6=-129.440;44.000  
p7=-129.000;44.268

p8=-128.556;44.500  
p9=-128.500;44.526  
p10=-128.000;44.714  
p11=-127.500;44.841  
p12=-127.000;44.925  
p13=-126.500;44.988  
p14=-126.256;45.000  
p15=-126.000;45.012  
p16=-125.500;45.016  
p17=-125.201;45.000  
p18=-125.000;44.988  
p19=-124.500;44.921  
p20=-124.000;44.826  
p21=-123.500;44.682  
p22=-123.000;44.507  
p23=-122.984;44.500  
p24=-122.500;44.286  
p25=-122.000;44.021  
p26=-121.967;44.000  
p27=-121.500;43.686  
p28=-121.276;43.500  
p29=-121.000;43.245  
p30=-120.763;43.000  
p31=-120.500;42.699  
p32=-120.354;42.500  
p33=-120.041;42.000  
p34=-120.000;41.925  
p35=-119.802;41.500  
p36=-119.575;41.000  
p37=-119.500;40.771  
p38=-119.426;40.500  
p39=-119.285;40.000  
p40=-119.165;39.500  
p41=-119.088;39.000  
p42=-119.020;38.500  
p43=-119.000;38.086  
p44=-118.996;38.000  
p45=-119.000;37.954  
p46=-119.044;37.500  
p47=-119.173;37.000  
p48=-119.412;36.500  
p49=-119.500;36.378  
p50=-119.839;36.000  
p51=-120.000;35.866  
p52=-120.500;35.526  
p53=-120.546;35.500  
p54=-121.000;35.293  
p55=-121.500;35.095  
p56=-121.780;35.000  
p57=-122.000;34.932  
p58=-122.500;34.808  
p59=-123.000;34.731  
p60=-123.500;34.711  
p61=-124.000;34.735  
p62=-124.500;34.815  
p63=-125.000;34.935  
p64=-125.222;35.000

p65=-125.500;35.091  
p66=-126.000;35.295  
p67=-126.442;35.500  
p68=-126.500;35.529  
p69=-127.000;35.831  
p70=-127.257;36.000  
p71=-127.500;36.175  
p72=-127.892;36.500  
p73=-128.000;36.594  
p74=-128.421;37.000  
p75=-128.500;37.084  
p76=-128.885;37.500  
p77=-129.000;37.642  
p78=-129.275;38.000  
p79=-129.500;38.338  
p80=-129.601;38.500  
p81=-129.904;39.000  
p82=-130.000;39.179  
p83=-130.166;39.500  
p84=-130.374;40.000  
p85=-130.500;40.396  
p86=-130.534;40.500  
p87=-130.643;41.000  
p88=-130.647;41.500  
p89=-130.631;42.000  
p90=-130.563;42.500  
p91=-130.500;42.738

[C5]

gain=-10.00  
n\_point=101  
p1=-131.500;42.770  
p2=-131.490;43.000  
p3=-131.373;43.500  
p4=-131.044;44.000  
p5=-131.000;44.034  
p6=-130.500;44.387  
p7=-130.335;44.500  
p8=-130.000;44.735  
p9=-129.575;45.000  
p10=-129.500;45.043  
p11=-129.000;45.263  
p12=-128.500;45.410  
p13=-128.045;45.500  
p14=-128.000;45.507  
p15=-127.500;45.574  
p16=-127.000;45.636  
p17=-126.500;45.684  
p18=-126.000;45.717  
p19=-125.500;45.719  
p20=-125.000;45.686  
p21=-124.500;45.625  
p22=-124.000;45.532  
p23=-123.852;45.500  
p24=-123.500;45.420  
p25=-123.000;45.268  
p26=-122.500;45.089

p27=-122.300;45.000  
p28=-122.000;44.853  
p29=-121.500;44.564  
p30=-121.406;44.500  
p31=-121.000;44.221  
p32=-120.729;44.000  
p33=-120.500;43.775  
p34=-120.252;43.500  
p35=-120.000;43.182  
p36=-119.875;43.000  
p37=-119.566;42.500  
p38=-119.500;42.358  
p39=-119.357;42.000  
p40=-119.167;41.500  
p41=-119.017;41.000  
p42=-119.000;40.936  
p43=-118.898;40.500  
p44=-118.785;40.000  
p45=-118.695;39.500  
p46=-118.603;39.000  
p47=-118.525;38.500  
p48=-118.500;38.202  
p49=-118.485;38.000  
p50=-118.471;37.500  
p51=-118.500;37.104  
p52=-118.510;37.000  
p53=-118.655;36.500  
p54=-118.934;36.000  
p55=-119.000;35.923  
p56=-119.433;35.500  
p57=-119.500;35.453  
p58=-120.000;35.138  
p59=-120.257;35.000  
p60=-120.500;34.886  
p61=-121.000;34.681  
p62=-121.491;34.500  
p63=-121.500;34.497  
p64=-122.000;34.350  
p65=-122.500;34.235  
p66=-123.000;34.162  
p67=-123.500;34.144  
p68=-124.000;34.183  
p69=-124.500;34.249  
p70=-125.000;34.349  
p71=-125.500;34.476  
p72=-125.581;34.500  
p73=-126.000;34.644  
p74=-126.500;34.861  
p75=-126.775;35.000  
p76=-127.000;35.121  
p77=-127.500;35.449  
p78=-127.571;35.500  
p79=-128.000;35.822  
p80=-128.209;36.000  
p81=-128.500;36.253  
p82=-128.757;36.500  
p83=-129.000;36.753

p84=-129.233;37.000  
p85=-129.500;37.307  
p86=-129.663;37.500  
p87=-130.000;37.945  
p88=-130.039;38.000  
p89=-130.366;38.500  
p90=-130.500;38.727  
p91=-130.657;39.000  
p92=-130.927;39.500  
p93=-131.000;39.666  
p94=-131.150;40.000  
p95=-131.339;40.500  
p96=-131.484;41.000  
p97=-131.500;41.237  
p98=-131.518;41.500  
p99=-131.532;42.000  
p100=-131.511;42.500  
p101=-131.500;42.770

[C6]

gain=-15.00  
n\_point=127  
p1=-134.000;44.964  
p2=-133.977;45.000  
p3=-133.500;45.153  
p4=-133.000;45.316  
p5=-132.589;45.500  
p6=-132.500;45.549  
p7=-132.000;45.995  
p8=-131.995;46.000  
p9=-131.630;46.500  
p10=-131.500;46.609  
p11=-131.000;46.794  
p12=-130.500;46.858  
p13=-130.000;46.865  
p14=-129.500;46.881  
p15=-129.000;46.897  
p16=-128.500;46.968  
p17=-128.313;47.000  
p18=-128.000;47.053  
p19=-127.500;47.159  
p20=-127.000;47.243  
p21=-126.500;47.299  
p22=-126.000;47.307  
p23=-125.500;47.293  
p24=-125.000;47.255  
p25=-124.500;47.206  
p26=-124.000;47.138  
p27=-123.500;47.052  
p28=-123.280;47.000  
p29=-123.000;46.933  
p30=-122.500;46.792  
p31=-122.000;46.615  
p32=-121.709;46.500  
p33=-121.500;46.407  
p34=-121.000;46.137  
p35=-120.766;46.000



p36=-120.500;45.837  
p37=-120.013;45.500  
p38=-120.000;45.490  
p39=-119.500;45.055  
p40=-119.444;45.000  
p41=-119.000;44.533  
p42=-118.973;44.500  
p43=-118.592;44.000  
p44=-118.500;43.848  
p45=-118.316;43.500  
p46=-118.087;43.000  
p47=-118.000;42.731  
p48=-117.936;42.500  
p49=-117.865;42.000  
p50=-117.817;41.500  
p51=-117.809;41.000  
p52=-117.816;40.500  
p53=-117.793;40.000  
p54=-117.748;39.500  
p55=-117.676;39.000  
p56=-117.570;38.500  
p57=-117.500;38.236  
p58=-117.440;38.000  
p59=-117.301;37.500  
p60=-117.152;37.000  
p61=-117.025;36.500  
p62=-117.000;36.320  
p63=-116.946;36.000  
p64=-116.997;35.500  
p65=-117.000;35.491  
p66=-117.262;35.000  
p67=-117.500;34.788  
p68=-117.973;34.500  
p69=-118.000;34.489  
p70=-118.500;34.307  
p71=-119.000;34.137  
p72=-119.373;34.000  
p73=-119.500;33.960  
p74=-120.000;33.776  
p75=-120.500;33.590  
p76=-120.755;33.500  
p77=-121.000;33.422  
p78=-121.500;33.278  
p79=-122.000;33.156  
p80=-122.500;33.061  
p81=-123.000;33.013  
p82=-123.500;33.010  
p83=-124.000;33.032  
p84=-124.500;33.076  
p85=-125.000;33.129  
p86=-125.500;33.193  
p87=-126.000;33.279  
p88=-126.500;33.412  
p89=-126.759;33.500  
p90=-127.000;33.586  
p91=-127.500;33.820  
p92=-127.831;34.000

p93=-128.000;34.104  
p94=-128.500;34.451  
p95=-128.565;34.500  
p96=-129.000;34.847  
p97=-129.176;35.000  
p98=-129.500;35.292  
p99=-129.716;35.500  
p100=-130.000;35.795  
p101=-130.187;36.000  
p102=-130.500;36.376  
p103=-130.591;36.500  
p104=-130.972;37.000  
p105=-131.000;37.037  
p106=-131.323;37.500  
p107=-131.500;37.765  
p108=-131.645;38.000  
p109=-131.978;38.500  
p110=-132.000;38.535  
p111=-132.298;39.000  
p112=-132.500;39.347  
p113=-132.590;39.500  
p114=-132.873;40.000  
p115=-133.000;40.236  
p116=-133.148;40.500  
p117=-133.402;41.000  
p118=-133.500;41.227  
p119=-133.629;41.500  
p120=-133.799;42.000  
p121=-133.864;42.500  
p122=-133.897;43.000  
p123=-133.982;43.500  
p124=-134.000;43.556  
p125=-134.149;44.000  
p126=-134.209;44.500  
p127=-134.000;44.964

[C7]

gain=-20.00  
n\_point=122  
p1=-136.803;43.500  
p2=-136.824;44.000  
p3=-136.812;44.500  
p4=-136.867;45.000  
p5=-136.905;45.500  
p6=-136.587;46.000  
p7=-136.500;46.014  
p8=-136.000;46.072  
p9=-135.500;46.087  
p10=-135.000;46.096  
p11=-134.500;46.143  
p12=-134.000;46.271  
p13=-133.639;46.500  
p14=-133.500;46.697  
p15=-133.333;47.000  
p16=-133.260;47.500  
p17=-133.000;47.812  
p18=-132.500;47.986

p19=-132.000;47.997  
p20=-131.500;47.965  
p21=-131.000;47.915  
p22=-130.500;47.902  
p23=-130.000;47.922  
p24=-129.520;48.000  
p25=-129.500;48.004  
p26=-129.000;48.167  
p27=-128.500;48.378  
p28=-128.092;48.500  
p29=-128.000;48.522  
p30=-127.500;48.593  
p31=-127.000;48.601  
p32=-126.500;48.601  
p33=-126.000;48.593  
p34=-125.500;48.588  
p35=-125.000;48.577  
p36=-124.500;48.554  
p37=-124.000;48.507  
p38=-123.944;48.500  
p39=-123.500;48.440  
p40=-123.000;48.349  
p41=-122.500;48.248  
p42=-122.000;48.126  
p43=-121.526;48.000  
p44=-121.500;47.993  
p45=-121.000;47.872  
p46=-120.500;47.717  
p47=-120.000;47.524  
p48=-119.953;47.500  
p49=-119.500;47.276  
p50=-119.104;47.000  
p51=-119.000;46.924  
p52=-118.532;46.500  
p53=-118.500;46.468  
p54=-118.108;46.000  
p55=-118.000;45.861  
p56=-117.766;45.500  
p57=-117.500;45.007  
p58=-117.497;45.000  
p59=-117.263;44.500  
p60=-117.064;44.000  
p61=-117.000;43.815  
p62=-116.905;43.500  
p63=-116.767;43.000  
p64=-116.677;42.500  
p65=-116.644;42.000  
p66=-116.652;41.500  
p67=-116.749;41.000  
p68=-116.887;40.500  
p69=-116.986;40.000  
p70=-117.000;39.882  
p71=-117.042;39.500  
p72=-117.000;39.203  
p73=-116.975;39.000  
p74=-116.838;38.500  
p75=-116.613;38.000

p76=-116.500;37.809  
p77=-116.269;37.500  
p78=-116.000;37.136  
p79=-115.874;37.000  
p80=-115.500;36.502  
p81=-115.499;36.500  
p82=-115.259;36.000  
p83=-115.161;35.500  
p84=-115.157;35.000  
p85=-115.270;34.500  
p86=-115.500;34.066  
p87=-115.545;34.000  
p88=-116.000;33.617  
p89=-116.176;33.500  
p90=-116.500;33.344  
p91=-117.000;33.168  
p92=-117.500;33.059  
p93=-117.985;33.000  
p94=-118.000;32.998  
p95=-118.500;32.959  
p96=-119.000;32.883  
p97=-119.500;32.759  
p98=-120.000;32.631  
p99=-120.500;32.519  
p100=-120.592;32.500  
p101=-121.000;32.431  
p102=-121.500;32.349  
p103=-122.000;32.264  
p104=-122.500;32.192  
p105=-123.000;32.140  
p106=-123.500;32.109  
p107=-124.000;32.088  
p108=-124.500;32.052  
p109=-125.000;32.005  
p110=-125.056;32.000  
p111=-125.500;31.951  
p112=-126.000;31.972  
p113=-126.165;32.000  
p114=-126.500;32.055  
p115=-127.000;32.187  
p116=-127.500;32.355  
p117=-127.894;32.500  
p118=-128.000;32.542  
p119=-128.500;32.778  
p120=-128.873;33.000  
p121=-129.000;33.077  
p122=-129.500;33.488

[C8]

gain=-20.00  
n\_point=2  
p1=-136.000;42.239  
p2=-135.807;42.000

[C9]

gain=-20.00  
n\_point=2

```
p1=-135.500;41.682  
p2=-135.344;41.500
```

```
[C10]  
gain=-20.00  
n_point=2  
p1=-135.000;41.089  
p2=-134.931;41.000
```