

[FormatInfo]  
format\_ver=1

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

[COHeader]  
beam\_id=RD21  
emi\_rcp=E  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=7

[B1]  
gain=0.00  
p=-106.276;34.563

[C1]  
gain=-2.00  
n\_point=41  
p1=-108.500;35.702  
p2=-108.283;36.000  
p3=-108.000;36.309  
p4=-107.787;36.500  
p5=-107.500;36.651  
p6=-107.000;36.739  
p7=-106.500;36.770  
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p9=-105.500;36.522  
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p12=-104.848;36.000  
p13=-104.500;35.693  
p14=-104.342;35.500  
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p16=-104.000;34.750  
p17=-103.895;34.500  
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p19=-103.827;33.500  
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p21=-104.000;32.920  
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p24=-104.711;32.000  
p25=-105.000;31.808  
p26=-105.500;31.687  
p27=-106.000;31.636  
p28=-106.500;31.723  
p29=-107.000;31.905  
p30=-107.179;32.000  
p31=-107.500;32.215  
p32=-107.809;32.500  
p33=-108.000;32.713

p34=-108.211;33.000  
p35=-108.492;33.500  
p36=-108.500;33.526  
p37=-108.637;34.000  
p38=-108.742;34.500  
p39=-108.693;35.000  
p40=-108.601;35.500  
p41=-108.500;35.702

[C2]

gain=-4.00  
n\_point=57  
p1=-109.500;36.267  
p2=-109.397;36.500  
p3=-109.000;36.971  
p4=-108.972;37.000  
p5=-108.500;37.434  
p6=-108.387;37.500  
p7=-108.000;37.664  
p8=-107.500;37.793  
p9=-107.000;37.856  
p10=-106.500;37.825  
p11=-106.000;37.754  
p12=-105.500;37.591  
p13=-105.267;37.500  
p14=-105.000;37.358  
p15=-104.532;37.000  
p16=-104.500;36.977  
p17=-104.000;36.556  
p18=-103.949;36.500  
p19=-103.608;36.000  
p20=-103.500;35.849  
p21=-103.290;35.500  
p22=-103.110;35.000  
p23=-103.000;34.681  
p24=-102.945;34.500  
p25=-102.904;34.000  
p26=-102.873;33.500  
p27=-102.957;33.000  
p28=-103.000;32.821  
p29=-103.086;32.500  
p30=-103.342;32.000  
p31=-103.500;31.762  
p32=-103.717;31.500  
p33=-104.000;31.226  
p34=-104.366;31.000  
p35=-104.500;30.937  
p36=-105.000;30.746  
p37=-105.500;30.662  
p38=-106.000;30.657  
p39=-106.500;30.709  
p40=-107.000;30.867  
p41=-107.370;31.000  
p42=-107.500;31.059  
p43=-108.000;31.428  
p44=-108.093;31.500  
p45=-108.500;31.844

p46=-108.638;32.000  
p47=-109.000;32.495  
p48=-109.004;32.500  
p49=-109.296;33.000  
p50=-109.500;33.451  
p51=-109.518;33.500  
p52=-109.649;34.000  
p53=-109.750;34.500  
p54=-109.764;35.000  
p55=-109.727;35.500  
p56=-109.588;36.000  
p57=-109.500;36.267

[C3]

gain=-6.00  
n\_point=71  
p1=-110.500;35.655  
p2=-110.441;36.000  
p3=-110.315;36.500  
p4=-110.062;37.000  
p5=-110.000;37.102  
p6=-109.738;37.500  
p7=-109.500;37.740  
p8=-109.164;38.000  
p9=-109.000;38.122  
p10=-108.500;38.383  
p11=-108.227;38.500  
p12=-108.000;38.573  
p13=-107.500;38.634  
p14=-107.000;38.679  
p15=-106.500;38.628  
p16=-106.000;38.569  
p17=-105.774;38.500  
p18=-105.500;38.389  
p19=-105.000;38.184  
p20=-104.718;38.000  
p21=-104.500;37.863  
p22=-104.000;37.544  
p23=-103.951;37.500  
p24=-103.511;37.000  
p25=-103.500;36.988  
p26=-103.080;36.500  
p27=-103.000;36.372  
p28=-102.818;36.000  
p29=-102.562;35.500  
p30=-102.500;35.316  
p31=-102.407;35.000  
p32=-102.268;34.500  
p33=-102.223;34.000  
p34=-102.190;33.500  
p35=-102.248;33.000  
p36=-102.332;32.500  
p37=-102.500;32.011  
p38=-102.505;32.000  
p39=-102.789;31.500  
p40=-103.000;31.208  
p41=-103.182;31.000

p42=-103.500;30.719  
p43=-103.783;30.500  
p44=-104.000;30.352  
p45=-104.500;30.138  
p46=-104.922;30.000  
p47=-105.000;29.981  
p48=-105.500;29.913  
p49=-106.000;29.920  
p50=-106.500;29.955  
p51=-106.682;30.000  
p52=-107.000;30.103  
p53=-107.500;30.295  
p54=-107.871;30.500  
p55=-108.000;30.577  
p56=-108.500;30.910  
p57=-108.611;31.000  
p58=-109.000;31.393  
p59=-109.096;31.500  
p60=-109.500;31.966  
p61=-109.525;32.000  
p62=-109.814;32.500  
p63=-110.000;32.872  
p64=-110.064;33.000  
p65=-110.258;33.500  
p66=-110.397;34.000  
p67=-110.494;34.500  
p68=-110.500;34.604  
p69=-110.524;35.000  
p70=-110.523;35.500  
p71=-110.500;35.655

[C4]

gain=-8.00  
n\_point=79  
p1=-111.000;36.559  
p2=-110.842;37.000  
p3=-110.619;37.500  
p4=-110.500;37.679  
p5=-110.229;38.000  
p6=-110.000;38.259  
p7=-109.726;38.500  
p8=-109.500;38.644  
p9=-109.000;38.934  
p10=-108.809;39.000  
p11=-108.500;39.098  
p12=-108.000;39.240  
p13=-107.500;39.290  
p14=-107.000;39.314  
p15=-106.500;39.259  
p16=-106.000;39.176  
p17=-105.500;39.019  
p18=-105.450;39.000  
p19=-105.000;38.839  
p20=-104.500;38.585  
p21=-104.345;38.500  
p22=-104.000;38.264  
p23=-103.714;38.000

p24=-103.500;37.807  
p25=-103.159;37.500  
p26=-103.000;37.318  
p27=-102.794;37.000  
p28=-102.500;36.563  
p29=-102.458;36.500  
p30=-102.211;36.000  
p31=-102.000;35.559  
p32=-101.979;35.500  
p33=-101.860;35.000  
p34=-101.741;34.500  
p35=-101.695;34.000  
p36=-101.657;33.500  
p37=-101.703;33.000  
p38=-101.773;32.500  
p39=-101.926;32.000  
p40=-102.000;31.811  
p41=-102.135;31.500  
p42=-102.427;31.000  
p43=-102.500;30.902  
p44=-102.862;30.500  
p45=-103.000;30.361  
p46=-103.466;30.000  
p47=-103.500;29.980  
p48=-104.000;29.721  
p49=-104.500;29.543  
p50=-104.672;29.500  
p51=-105.000;29.424  
p52=-105.500;29.349  
p53=-106.000;29.359  
p54=-106.500;29.396  
p55=-106.969;29.500  
p56=-107.000;29.507  
p57=-107.500;29.667  
p58=-108.000;29.882  
p59=-108.212;30.000  
p60=-108.500;30.193  
p61=-108.898;30.500  
p62=-109.000;30.583  
p63=-109.438;31.000  
p64=-109.500;31.069  
p65=-109.838;31.500  
p66=-110.000;31.725  
p67=-110.180;32.000  
p68=-110.471;32.500  
p69=-110.500;32.555  
p70=-110.688;33.000  
p71=-110.855;33.500  
p72=-110.999;34.000  
p73=-111.000;34.005  
p74=-111.098;34.500  
p75=-111.151;35.000  
p76=-111.159;35.500  
p77=-111.106;36.000  
p78=-111.019;36.500  
p79=-111.000;36.559

[C5]

gain=-10.00  
n\_point=87  
p1=-111.500;36.969  
p2=-111.492;37.000  
p3=-111.291;37.500  
p4=-111.006;38.000  
p5=-111.000;38.009  
p6=-110.628;38.500  
p7=-110.500;38.621  
p8=-110.072;39.000  
p9=-110.000;39.056  
p10=-109.500;39.331  
p11=-109.172;39.500  
p12=-109.000;39.567  
p13=-108.500;39.698  
p14=-108.000;39.792  
p15=-107.500;39.835  
p16=-107.000;39.837  
p17=-106.500;39.795  
p18=-106.000;39.713  
p19=-105.500;39.590  
p20=-105.223;39.500  
p21=-105.000;39.411  
p22=-104.500;39.150  
p23=-104.249;39.000  
p24=-104.000;38.858  
p25=-103.504;38.500  
p26=-103.500;38.496  
p27=-103.000;38.014  
p28=-102.988;38.000  
p29=-102.569;37.500  
p30=-102.500;37.396  
p31=-102.239;37.000  
p32=-102.000;36.650  
p33=-101.926;36.500  
p34=-101.739;36.000  
p35=-101.544;35.500  
p36=-101.500;35.338  
p37=-101.415;35.000  
p38=-101.298;34.500  
p39=-101.252;34.000  
p40=-101.215;33.500  
p41=-101.252;33.000  
p42=-101.304;32.500  
p43=-101.419;32.000  
p44=-101.500;31.722  
p45=-101.587;31.500  
p46=-101.861;31.000  
p47=-102.000;30.796  
p48=-102.222;30.500  
p49=-102.500;30.177  
p50=-102.676;30.000  
p51=-103.000;29.747  
p52=-103.417;29.500  
p53=-103.500;29.454  
p54=-104.000;29.204

p55=-104.500;29.022  
p56=-104.592;29.000  
p57=-105.000;28.926  
p58=-105.500;28.857  
p59=-106.000;28.859  
p60=-106.500;28.887  
p61=-107.000;28.969  
p62=-107.118;29.000  
p63=-107.500;29.117  
p64=-108.000;29.311  
p65=-108.355;29.500  
p66=-108.500;29.580  
p67=-109.000;29.894  
p68=-109.130;30.000  
p69=-109.500;30.347  
p70=-109.653;30.500  
p71=-110.000;30.867  
p72=-110.104;31.000  
p73=-110.444;31.500  
p74=-110.500;31.584  
p75=-110.747;32.000  
p76=-110.991;32.500  
p77=-111.000;32.521  
p78=-111.200;33.000  
p79=-111.378;33.500  
p80=-111.500;33.955  
p81=-111.510;34.000  
p82=-111.594;34.500  
p83=-111.650;35.000  
p84=-111.680;35.500  
p85=-111.651;36.000  
p86=-111.598;36.500  
p87=-111.500;36.969

[C6]

gain=-15.00  
n\_point=103  
p1=-112.500;37.695  
p2=-112.388;38.000  
p3=-112.169;38.500  
p4=-112.000;38.800  
p5=-111.856;39.000  
p6=-111.500;39.392  
p7=-111.396;39.500  
p8=-111.000;39.822  
p9=-110.734;40.000  
p10=-110.500;40.134  
p11=-110.000;40.370  
p12=-109.703;40.500  
p13=-109.500;40.570  
p14=-109.000;40.687  
p15=-108.500;40.796  
p16=-108.000;40.845  
p17=-107.500;40.890  
p18=-107.000;40.875  
p19=-106.500;40.856  
p20=-106.000;40.780

p21=-105.500;40.692  
p22=-105.000;40.542  
p23=-104.884;40.500  
p24=-104.500;40.349  
p25=-104.000;40.098  
p26=-103.828;40.000  
p27=-103.500;39.803  
p28=-103.099;39.500  
p29=-103.000;39.417  
p30=-102.569;39.000  
p31=-102.500;38.932  
p32=-102.126;38.500  
p33=-102.000;38.338  
p34=-101.785;38.000  
p35=-101.500;37.535  
p36=-101.481;37.500  
p37=-101.244;37.000  
p38=-101.000;36.516  
p39=-100.994;36.500  
p40=-100.848;36.000  
p41=-100.709;35.500  
p42=-100.605;35.000  
p43=-100.500;34.511  
p44=-100.498;34.500  
p45=-100.444;34.000  
p46=-100.397;33.500  
p47=-100.404;33.000  
p48=-100.423;32.500  
p49=-100.493;32.000  
p50=-100.500;31.965  
p51=-100.611;31.500  
p52=-100.797;31.000  
p53=-101.000;30.593  
p54=-101.049;30.500  
p55=-101.375;30.000  
p56=-101.500;29.861  
p57=-101.864;29.500  
p58=-102.000;29.373  
p59=-102.452;29.000  
p60=-102.500;28.973  
p61=-103.000;28.698  
p62=-103.436;28.500  
p63=-103.500;28.474  
p64=-104.000;28.288  
p65=-104.500;28.115  
p66=-104.975;28.000  
p67=-105.000;27.994  
p68=-105.500;27.898  
p69=-106.000;27.842  
p70=-106.500;27.814  
p71=-107.000;27.809  
p72=-107.500;27.864  
p73=-108.000;27.952  
p74=-108.161;28.000  
p75=-108.500;28.106  
p76=-109.000;28.322  
p77=-109.289;28.500



p78=-109.500;28.630  
p79=-109.955;29.000  
p80=-110.000;29.038  
p81=-110.442;29.500  
p82=-110.500;29.566  
p83=-110.827;30.000  
p84=-111.000;30.245  
p85=-111.154;30.500  
p86=-111.425;31.000  
p87=-111.500;31.149  
p88=-111.662;31.500  
p89=-111.877;32.000  
p90=-112.000;32.325  
p91=-112.057;32.500  
p92=-112.216;33.000  
p93=-112.374;33.500  
p94=-112.498;34.000  
p95=-112.500;34.012  
p96=-112.570;34.500  
p97=-112.635;35.000  
p98=-112.693;35.500  
p99=-112.702;36.000  
p100=-112.689;36.500  
p101=-112.646;37.000  
p102=-112.557;37.500  
p103=-112.500;37.695

[C7]

gain=-20.00  
n\_point=121  
p1=-113.500;37.630  
p2=-113.465;38.000  
p3=-113.382;38.500  
p4=-113.229;39.000  
p5=-113.000;39.389  
p6=-112.937;39.500  
p7=-112.567;40.000  
p8=-112.500;40.055  
p9=-112.000;40.432  
p10=-111.894;40.500  
p11=-111.500;40.712  
p12=-111.000;40.954  
p13=-110.886;41.000  
p14=-110.500;41.105  
p15=-110.000;41.230  
p16=-109.500;41.347  
p17=-109.000;41.450  
p18=-108.751;41.500  
p19=-108.500;41.537  
p20=-108.000;41.592  
p21=-107.500;41.653  
p22=-107.000;41.679  
p23=-106.500;41.703  
p24=-106.000;41.688  
p25=-105.500;41.664  
p26=-105.000;41.599  
p27=-104.502;41.500

p28=-104.500;41.500  
p29=-104.000;41.429  
p30=-103.500;41.314  
p31=-103.000;41.174  
p32=-102.757;41.000  
p33=-102.500;40.738  
p34=-102.234;40.500  
p35=-102.000;40.361  
p36=-101.735;40.000  
p37=-101.576;39.500  
p38=-101.500;39.390  
p39=-101.211;39.000  
p40=-101.037;38.500  
p41=-101.000;38.424  
p42=-100.834;38.000  
p43=-100.694;37.500  
p44=-100.540;37.000  
p45=-100.500;36.872  
p46=-100.391;36.500  
p47=-100.285;36.000  
p48=-100.181;35.500  
p49=-100.028;35.000  
p50=-100.000;34.910  
p51=-99.932;34.500  
p52=-99.876;34.000  
p53=-99.796;33.500  
p54=-99.750;33.000  
p55=-99.699;32.500  
p56=-99.697;32.000  
p57=-99.722;31.500  
p58=-99.821;31.000  
p59=-100.000;30.510  
p60=-100.003;30.500  
p61=-100.227;30.000  
p62=-100.500;29.713  
p63=-100.655;29.500  
p64=-101.000;29.158  
p65=-101.183;29.000  
p66=-101.500;28.807  
p67=-102.000;28.515  
p68=-102.026;28.500  
p69=-102.500;28.271  
p70=-103.000;28.040  
p71=-103.085;28.000  
p72=-103.500;27.841  
p73=-104.000;27.638  
p74=-104.320;27.500  
p75=-104.500;27.406  
p76=-105.000;27.210  
p77=-105.474;27.000  
p78=-105.500;26.985  
p79=-106.000;26.729  
p80=-106.491;26.500  
p81=-106.500;26.486  
p82=-106.971;26.000  
p83=-107.000;25.978  
p84=-107.500;25.767

p85=-108.000;25.740  
p86=-108.500;25.772  
p87=-109.000;25.911  
p88=-109.260;26.000  
p89=-109.500;26.092  
p90=-110.000;26.339  
p91=-110.268;26.500  
p92=-110.500;26.674  
p93=-110.909;27.000  
p94=-111.000;27.077  
p95=-111.435;27.500  
p96=-111.500;27.583  
p97=-111.794;28.000  
p98=-112.000;28.313  
p99=-112.112;28.500  
p100=-112.336;29.000  
p101=-112.499;29.500  
p102=-112.500;29.505  
p103=-112.585;30.000  
p104=-112.639;30.500  
p105=-112.698;31.000  
p106=-112.751;31.500  
p107=-112.822;32.000  
p108=-112.908;32.500  
p109=-113.000;33.000  
p110=-113.000;33.001  
p111=-113.084;33.500  
p112=-113.177;34.000  
p113=-113.257;34.500  
p114=-113.333;35.000  
p115=-113.400;35.500  
p116=-113.461;36.000  
p117=-113.500;36.373  
p118=-113.513;36.500  
p119=-113.542;37.000  
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p121=-113.500;37.630