

[FormatInfo]  
format\_ver=1

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

[COHeader]  
beam\_id=SPD22  
emi\_rcp=E  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=7

[B1]  
gain=0.00  
p=-122.904;45.185

[C1]  
gain=-2.00  
n\_point=23  
p1=-124.000;46.625  
p2=-123.500;46.546  
p3=-123.385;46.500  
p4=-123.000;46.227  
p5=-122.645;46.000  
p6=-122.500;45.891  
p7=-122.000;45.512  
p8=-121.990;45.500  
p9=-121.551;45.000  
p10=-121.581;44.500  
p11=-121.702;44.000  
p12=-122.000;43.850  
p13=-122.500;43.922  
p14=-122.747;44.000  
p15=-123.000;44.176  
p16=-123.480;44.500  
p17=-123.500;44.514  
p18=-124.000;44.913  
p19=-124.081;45.000  
p20=-124.401;45.500  
p21=-124.498;46.000  
p22=-124.340;46.500  
p23=-124.000;46.625

[C2]  
gain=-4.00  
n\_point=35  
p1=-125.000;47.072  
p2=-124.500;47.284  
p3=-124.000;47.229  
p4=-123.500;47.026  
p5=-123.435;47.000  
p6=-123.000;46.824

p7=-122.500;46.586  
p8=-122.383;46.500  
p9=-122.000;46.132  
p10=-121.861;46.000  
p11=-121.500;45.587  
p12=-121.422;45.500  
p13=-121.018;45.000  
p14=-121.000;44.932  
p15=-120.890;44.500  
p16=-120.765;44.000  
p17=-121.000;43.578  
p18=-121.129;43.500  
p19=-121.500;43.312  
p20=-122.000;43.273  
p21=-122.500;43.451  
p22=-122.640;43.500  
p23=-123.000;43.627  
p24=-123.500;43.895  
p25=-123.652;44.000  
p26=-124.000;44.371  
p27=-124.132;44.500  
p28=-124.500;44.893  
p29=-124.605;45.000  
p30=-124.988;45.500  
p31=-125.000;45.532  
p32=-125.180;46.000  
p33=-125.376;46.500  
p34=-125.115;47.000  
p35=-125.000;47.072

[C3]

gain=-6.00  
n\_point=43  
p1=-125.500;47.675  
p2=-125.000;47.880  
p3=-124.500;47.875  
p4=-124.000;47.700  
p5=-123.500;47.505  
p6=-123.491;47.500  
p7=-123.000;47.257  
p8=-122.641;47.000  
p9=-122.500;46.918  
p10=-122.000;46.545  
p11=-121.936;46.500  
p12=-121.500;46.084  
p13=-121.405;46.000  
p14=-121.000;45.551  
p15=-120.953;45.500  
p16=-120.516;45.000  
p17=-120.500;44.931  
p18=-120.401;44.500  
p19=-120.289;44.000  
p20=-120.408;43.500  
p21=-120.500;43.262  
p22=-120.781;43.000  
p23=-121.000;42.904  
p24=-121.500;42.738

p25=-122.000;42.856  
p26=-122.481;43.000  
p27=-122.500;43.007  
p28=-123.000;43.251  
p29=-123.351;43.500  
p30=-123.500;43.592  
p31=-124.000;43.941  
p32=-124.090;44.000  
p33=-124.500;44.401  
p34=-124.609;44.500  
p35=-125.000;44.900  
p36=-125.087;45.000  
p37=-125.500;45.476  
p38=-125.520;45.500  
p39=-125.720;46.000  
p40=-125.925;46.500  
p41=-125.888;47.000  
p42=-125.696;47.500  
p43=-125.500;47.675

[C4]

gain=-8.00  
n\_point=51  
p1=-126.000;48.172  
p2=-125.500;48.354  
p3=-125.000;48.465  
p4=-124.500;48.326  
p5=-124.000;48.161  
p6=-123.564;48.000  
p7=-123.500;47.976  
p8=-123.000;47.621  
p9=-122.852;47.500  
p10=-122.500;47.221  
p11=-122.205;47.000  
p12=-122.000;46.844  
p13=-121.517;46.500  
p14=-121.500;46.483  
p15=-121.000;46.038  
p16=-120.954;46.000  
p17=-120.500;45.508  
p18=-120.493;45.500  
p19=-120.027;45.000  
p20=-120.000;44.884  
p21=-119.908;44.500  
p22=-119.801;44.000  
p23=-119.952;43.500  
p24=-120.000;43.403  
p25=-120.175;43.000  
p26=-120.500;42.575  
p27=-120.667;42.500  
p28=-121.000;42.377  
p29=-121.500;42.348  
p30=-122.000;42.496  
p31=-122.013;42.500  
p32=-122.500;42.660  
p33=-123.000;42.935  
p34=-123.102;43.000

p35=-123.500;43.304  
p36=-123.779;43.500  
p37=-124.000;43.657  
p38=-124.500;43.986  
p39=-124.519;44.000  
p40=-125.000;44.449  
p41=-125.054;44.500  
p42=-125.500;44.996  
p43=-125.504;45.000  
p44=-125.915;45.500  
p45=-126.000;45.653  
p46=-126.174;46.000  
p47=-126.417;46.500  
p48=-126.440;47.000  
p49=-126.336;47.500  
p50=-126.201;48.000  
p51=-126.000;48.172

[C5]

gain=-10.00  
n\_point=61  
p1=-126.500;48.537  
p2=-126.000;48.774  
p3=-125.611;49.000  
p4=-125.500;49.061  
p5=-125.324;49.000  
p6=-125.000;48.922  
p7=-124.500;48.791  
p8=-124.000;48.614  
p9=-123.834;48.500  
p10=-123.500;48.315  
p11=-123.104;48.000  
p12=-123.000;47.924  
p13=-122.500;47.515  
p14=-122.482;47.500  
p15=-122.000;47.132  
p16=-121.816;47.000  
p17=-121.500;46.769  
p18=-121.117;46.500  
p19=-121.000;46.395  
p20=-120.521;46.000  
p21=-120.500;45.977  
p22=-120.048;45.500  
p23=-120.000;45.448  
p24=-119.564;45.000  
p25=-119.500;44.789  
p26=-119.405;44.500  
p27=-119.288;44.000  
p28=-119.472;43.500  
p29=-119.500;43.467  
p30=-119.765;43.000  
p31=-120.000;42.523  
p32=-120.016;42.500  
p33=-120.500;42.131  
p34=-120.831;42.000  
p35=-121.000;41.935  
p36=-121.294;42.000

p37=-121.500;42.034  
p38=-122.000;42.191  
p39=-122.500;42.375  
p40=-122.695;42.500  
p41=-123.000;42.698  
p42=-123.472;43.000  
p43=-123.500;43.021  
p44=-124.000;43.381  
p45=-124.151;43.500  
p46=-124.500;43.747  
p47=-124.835;44.000  
p48=-125.000;44.154  
p49=-125.363;44.500  
p50=-125.500;44.652  
p51=-125.828;45.000  
p52=-126.000;45.201  
p53=-126.277;45.500  
p54=-126.500;45.935  
p55=-126.534;46.000  
p56=-126.802;46.500  
p57=-126.904;47.000  
p58=-126.866;47.500  
p59=-126.784;48.000  
p60=-126.527;48.500  
p61=-126.500;48.537

[C6]

gain=-15.00  
n\_point=89  
p1=-127.500;51.457  
p2=-127.000;51.426  
p3=-126.500;51.370  
p4=-126.000;51.243  
p5=-125.500;51.013  
p6=-125.479;51.000  
p7=-125.000;50.684  
p8=-124.694;50.500  
p9=-124.500;50.313  
p10=-124.209;50.000  
p11=-124.000;49.783  
p12=-123.755;49.500  
p13=-123.500;49.229  
p14=-123.312;49.000  
p15=-123.000;48.752  
p16=-122.706;48.500  
p17=-122.500;48.325  
p18=-122.191;48.000  
p19=-122.000;47.835  
p20=-121.623;47.500  
p21=-121.500;47.407  
p22=-121.000;47.039  
p23=-120.942;47.000  
p24=-120.500;46.695  
p25=-120.184;46.500  
p26=-120.000;46.358  
p27=-119.500;46.099  
p28=-119.268;46.000

p29=-119.000;45.804  
p30=-118.617;45.500  
p31=-118.500;45.407  
p32=-118.026;45.000  
p33=-118.000;44.945  
p34=-117.848;44.500  
p35=-117.658;44.000  
p36=-117.758;43.500  
p37=-118.000;43.295  
p38=-118.306;43.000  
p39=-118.500;42.867  
p40=-119.000;42.588  
p41=-119.083;42.500  
p42=-119.500;42.080  
p43=-119.551;42.000  
p44=-119.804;41.500  
p45=-119.500;41.030  
p46=-119.486;41.000  
p47=-119.488;40.500  
p48=-119.500;40.477  
p49=-120.000;40.212  
p50=-120.500;40.275  
p51=-120.948;40.500  
p52=-121.000;40.535  
p53=-121.500;40.869  
p54=-121.612;41.000  
p55=-122.000;41.301  
p56=-122.154;41.500  
p57=-122.500;41.770  
p58=-122.775;42.000  
p59=-123.000;42.152  
p60=-123.500;42.468  
p61=-123.540;42.500  
p62=-124.000;42.819  
p63=-124.241;43.000  
p64=-124.500;43.220  
p65=-124.855;43.500  
p66=-125.000;43.616  
p67=-125.500;43.971  
p68=-125.549;44.000  
p69=-126.000;44.385  
p70=-126.200;44.500  
p71=-126.500;44.803  
p72=-126.769;45.000  
p73=-127.000;45.214  
p74=-127.420;45.500  
p75=-127.500;45.774  
p76=-127.574;46.000  
p77=-127.829;46.500  
p78=-127.879;47.000  
p79=-127.890;47.500  
p80=-127.928;48.000  
p81=-127.618;48.500  
p82=-127.500;48.771  
p83=-127.419;49.000  
p84=-127.464;49.500  
p85=-127.500;49.604

p86=-127.624;50.000  
p87=-127.730;50.500  
p88=-127.702;51.000  
p89=-127.500;51.457

[C7]

gain=-20.00  
n\_point=121  
p1=-129.500;52.780  
p2=-129.334;53.000  
p3=-129.000;53.204  
p4=-128.500;53.204  
p5=-128.000;53.213  
p6=-127.500;53.130  
p7=-127.261;53.000  
p8=-127.000;52.877  
p9=-126.500;52.572  
p10=-126.400;52.500  
p11=-126.000;52.243  
p12=-125.694;52.000  
p13=-125.500;51.874  
p14=-125.000;51.554  
p15=-124.936;51.500  
p16=-124.500;51.187  
p17=-124.285;51.000  
p18=-124.000;50.785  
p19=-123.682;50.500  
p20=-123.500;50.309  
p21=-123.270;50.000  
p22=-123.000;49.620  
p23=-122.924;49.500  
p24=-122.624;49.000  
p25=-122.500;48.885  
p26=-122.127;48.500  
p27=-122.000;48.369  
p28=-121.574;48.000  
p29=-121.500;47.932  
p30=-121.000;47.567  
p31=-120.875;47.500  
p32=-120.500;47.238  
p33=-120.000;47.036  
p34=-119.840;47.000  
p35=-119.500;46.923  
p36=-119.000;46.794  
p37=-118.581;46.500  
p38=-118.500;46.453  
p39=-118.000;46.042  
p40=-117.944;46.000  
p41=-117.524;45.500  
p42=-117.500;45.471  
p43=-117.097;45.000  
p44=-117.000;44.822  
p45=-116.797;44.500  
p46=-116.636;44.000  
p47=-116.512;43.500  
p48=-116.596;43.000  
p49=-116.766;42.500

p50=-117.000;42.383  
p51=-117.500;42.274  
p52=-118.000;42.178  
p53=-118.500;42.092  
p54=-118.766;42.000  
p55=-119.000;41.865  
p56=-119.193;41.500  
p57=-119.000;41.162  
p58=-118.892;41.000  
p59=-118.514;40.500  
p60=-118.500;40.331  
p61=-118.471;40.000  
p62=-118.500;39.817  
p63=-118.560;39.500  
p64=-119.000;39.029  
p65=-119.154;39.000  
p66=-119.500;38.949  
p67=-119.716;39.000  
p68=-120.000;39.059  
p69=-120.500;39.271  
p70=-121.000;39.458  
p71=-121.058;39.500  
p72=-121.500;39.905  
p73=-121.616;40.000  
p74=-122.000;40.312  
p75=-122.278;40.500  
p76=-122.500;40.781  
p77=-122.650;41.000  
p78=-122.974;41.500  
p79=-123.000;41.522  
p80=-123.500;41.985  
p81=-123.512;42.000  
p82=-124.000;42.409  
p83=-124.119;42.500  
p84=-124.500;42.798  
p85=-124.789;43.000  
p86=-125.000;43.171  
p87=-125.457;43.500  
p88=-125.500;43.532  
p89=-126.000;43.721  
p90=-126.500;43.829  
p91=-127.000;43.975  
p92=-127.036;44.000  
p93=-127.500;44.304  
p94=-127.779;44.500  
p95=-128.000;44.707  
p96=-128.301;45.000  
p97=-128.500;45.197  
p98=-128.828;45.500  
p99=-129.000;45.738  
p100=-129.199;46.000  
p101=-129.500;46.472  
p102=-129.518;46.500  
p103=-129.818;47.000  
p104=-129.849;47.500  
p105=-129.500;47.698  
p106=-129.000;47.858



p107=-128.908;48.000  
p108=-128.602;48.500  
p109=-128.500;48.695  
p110=-128.344;49.000  
p111=-128.271;49.500  
p112=-128.500;49.833  
p113=-128.626;50.000  
p114=-128.979;50.500  
p115=-129.000;50.538  
p116=-129.285;51.000  
p117=-129.466;51.500  
p118=-129.500;51.580  
p119=-129.665;52.000  
p120=-129.708;52.500  
p121=-129.500;52.780