

[FormatInfo]  
format\_ver=1

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

[COHeader]  
beam\_id=RD1  
emi\_rcp=E  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=16

[B1]  
gain=0.00  
p=-127.814;49.053

[C1]  
gain=-2.00  
n\_point=59  
p1=-128.500;49.771  
p2=-128.000;49.748  
p3=-127.500;49.605  
p4=-127.120;49.500  
p5=-127.000;49.466  
p6=-126.500;49.340  
p7=-126.000;49.205  
p8=-125.500;49.031  
p9=-125.422;49.000  
p10=-125.000;48.761  
p11=-124.500;48.554  
p12=-124.219;48.500  
p13=-124.000;48.448  
p14=-123.500;48.312  
p15=-123.000;48.097  
p16=-122.873;48.000  
p17=-122.500;47.751  
p18=-122.208;47.500  
p19=-122.000;47.297  
p20=-121.712;47.000  
p21=-121.500;46.760  
p22=-121.282;46.500  
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p26=-120.731;45.000  
p27=-120.889;44.500  
p28=-121.000;44.359  
p29=-121.366;44.000  
p30=-121.500;43.869  
p31=-122.000;43.608  
p32=-122.270;43.500  
p33=-122.500;43.461

p34=-122.903;43.500  
p35=-123.000;43.515  
p36=-123.500;43.656  
p37=-124.000;43.818  
p38=-124.336;44.000  
p39=-124.500;44.150  
p40=-124.864;44.500  
p41=-125.000;44.637  
p42=-125.462;45.000  
p43=-125.500;45.054  
p44=-125.910;45.500  
p45=-126.000;45.622  
p46=-126.364;46.000  
p47=-126.500;46.122  
p48=-126.897;46.500  
p49=-127.000;46.571  
p50=-127.322;47.000  
p51=-127.500;47.174  
p52=-127.713;47.500  
p53=-128.000;47.946  
p54=-128.023;48.000  
p55=-128.314;48.500  
p56=-128.500;48.744  
p57=-128.662;49.000  
p58=-128.689;49.500  
p59=-128.500;49.771

[C2]

gain=-4.00  
n\_point=89  
p1=-130.000;46.883  
p2=-129.799;47.000  
p3=-129.500;47.126  
p4=-129.042;47.500  
p5=-129.000;47.832  
p6=-128.988;48.000  
p7=-129.000;48.033  
p8=-129.114;48.500  
p9=-129.366;49.000  
p10=-129.500;49.267  
p11=-129.616;49.500  
p12=-129.641;50.000  
p13=-129.519;50.500  
p14=-129.500;50.508  
p15=-129.000;50.598  
p16=-128.500;50.502  
p17=-128.492;50.500  
p18=-128.000;50.329  
p19=-127.500;50.193  
p20=-127.000;50.106  
p21=-126.500;50.060  
p22=-126.000;50.011  
p23=-125.500;50.176  
p24=-125.298;50.500  
p25=-125.176;51.000  
p26=-125.000;51.179  
p27=-124.500;51.019

p28=-124.441;51.000  
p29=-124.000;50.859  
p30=-123.500;50.639  
p31=-123.317;50.500  
p32=-123.000;50.300  
p33=-122.635;50.000  
p34=-122.500;49.853  
p35=-122.205;49.500  
p36=-122.000;49.244  
p37=-121.794;49.000  
p38=-121.500;48.641  
p39=-121.378;48.500  
p40=-121.000;48.063  
p41=-120.942;48.000  
p42=-120.500;47.504  
p43=-120.496;47.500  
p44=-120.072;47.000  
p45=-120.000;46.899  
p46=-119.713;46.500  
p47=-119.500;46.199  
p48=-119.375;46.000  
p49=-119.176;45.500  
p50=-119.062;45.000  
p51=-119.000;44.531  
p52=-118.996;44.500  
p53=-119.000;44.463  
p54=-119.058;44.000  
p55=-119.160;43.500  
p56=-119.470;43.000  
p57=-119.500;42.956  
p58=-119.912;42.500  
p59=-120.000;42.452  
p60=-120.500;42.282  
p61=-121.000;42.209  
p62=-121.500;42.214  
p63=-122.000;42.235  
p64=-122.500;42.312  
p65=-123.000;42.394  
p66=-123.449;42.500  
p67=-123.500;42.514  
p68=-124.000;42.697  
p69=-124.500;42.903  
p70=-124.680;43.000  
p71=-125.000;43.169  
p72=-125.453;43.500  
p73=-125.500;43.534  
p74=-126.000;43.932  
p75=-126.076;44.000  
p76=-126.500;44.314  
p77=-126.810;44.500  
p78=-127.000;44.620  
p79=-127.500;44.902  
p80=-127.676;45.000  
p81=-128.000;45.204  
p82=-128.500;45.478  
p83=-128.544;45.500  
p84=-129.000;45.764

p85=-129.481;46.000  
p86=-129.500;46.010  
p87=-130.000;46.332  
p88=-130.244;46.500  
p89=-130.000;46.883

[C3]

gain=-6.00  
n\_point=107  
p1=-131.500;47.058  
p2=-131.000;47.408  
p3=-130.820;47.500  
p4=-130.500;47.684  
p5=-130.032;48.000  
p6=-130.000;48.018  
p7=-129.697;48.500  
p8=-129.840;49.000  
p9=-130.000;49.261  
p10=-130.147;49.500  
p11=-130.469;50.000  
p12=-130.500;50.103  
p13=-130.657;50.500  
p14=-130.500;50.713  
p15=-130.000;50.963  
p16=-129.695;51.000  
p17=-129.500;51.010  
p18=-129.442;51.000  
p19=-129.000;50.924  
p20=-128.500;50.838  
p21=-128.000;50.751  
p22=-127.500;50.728  
p23=-127.000;50.785  
p24=-126.500;50.931  
p25=-126.413;51.000  
p26=-126.307;51.500  
p27=-126.158;52.000  
p28=-126.000;52.105  
p29=-125.500;52.060  
p30=-125.164;52.000  
p31=-125.000;51.966  
p32=-124.500;51.871  
p33=-124.000;51.709  
p34=-123.533;51.500  
p35=-123.500;51.473  
p36=-123.000;51.064  
p37=-122.917;51.000  
p38=-122.500;50.650  
p39=-122.323;50.500  
p40=-122.000;50.223  
p41=-121.739;50.000  
p42=-121.500;49.740  
p43=-121.258;49.500  
p44=-121.000;49.216  
p45=-120.792;49.000  
p46=-120.500;48.688  
p47=-120.319;48.500  
p48=-120.000;48.158

p49=-119.856;48.000  
p50=-119.500;47.606  
p51=-119.407;47.500  
p52=-119.000;47.008  
p53=-118.994;47.000  
p54=-118.677;46.500  
p55=-118.500;46.216  
p56=-118.370;46.000  
p57=-118.161;45.500  
p58=-118.013;45.000  
p59=-118.000;44.948  
p60=-117.887;44.500  
p61=-117.855;44.000  
p62=-117.845;43.500  
p63=-117.937;43.000  
p64=-118.000;42.763  
p65=-118.082;42.500  
p66=-118.354;42.000  
p67=-118.500;41.835  
p68=-118.924;41.500  
p69=-119.000;41.454  
p70=-119.500;41.286  
p71=-120.000;41.205  
p72=-120.500;41.187  
p73=-121.000;41.227  
p74=-121.500;41.277  
p75=-122.000;41.360  
p76=-122.500;41.449  
p77=-122.793;41.500  
p78=-123.000;41.533  
p79=-123.500;41.615  
p80=-124.000;41.713  
p81=-124.500;41.870  
p82=-124.850;42.000  
p83=-125.000;42.057  
p84=-125.500;42.290  
p85=-125.829;42.500  
p86=-126.000;42.620  
p87=-126.463;43.000  
p88=-126.500;43.036  
p89=-126.923;43.500  
p90=-127.000;43.579  
p91=-127.373;44.000  
p92=-127.500;44.077  
p93=-128.000;44.367  
p94=-128.221;44.500  
p95=-128.500;44.655  
p96=-129.000;44.942  
p97=-129.093;45.000  
p98=-129.500;45.250  
p99=-129.882;45.500  
p100=-130.000;45.579  
p101=-130.500;45.925  
p102=-130.598;46.000  
p103=-131.000;46.284  
p104=-131.266;46.500  
p105=-131.500;46.923

p106=-131.547;47.000  
p107=-131.500;47.058

[C4]

gain=-8.00  
n\_point=119  
p1=-132.000;47.932  
p2=-131.843;48.000  
p3=-131.691;48.500  
p4=-131.500;48.626  
p5=-131.000;48.596  
p6=-130.500;48.625  
p7=-130.300;49.000  
p8=-130.500;49.337  
p9=-130.589;49.500  
p10=-131.000;49.956  
p11=-131.051;50.000  
p12=-131.500;50.491  
p13=-131.512;50.500  
p14=-131.758;51.000  
p15=-131.500;51.314  
p16=-131.000;51.409  
p17=-130.500;51.412  
p18=-130.000;51.392  
p19=-129.500;51.346  
p20=-129.000;51.272  
p21=-128.500;51.196  
p22=-128.000;51.200  
p23=-127.500;51.404  
p24=-127.358;51.500  
p25=-127.070;52.000  
p26=-127.000;52.115  
p27=-126.781;52.500  
p28=-126.500;52.713  
p29=-126.000;52.672  
p30=-125.500;52.573  
p31=-125.126;52.500  
p32=-125.000;52.475  
p33=-124.500;52.315  
p34=-124.000;52.111  
p35=-123.753;52.000  
p36=-123.500;51.890  
p37=-123.000;51.656  
p38=-122.676;51.500  
p39=-122.500;51.364  
p40=-122.000;51.012  
p41=-121.982;51.000  
p42=-121.500;50.613  
p43=-121.366;50.500  
p44=-121.000;50.193  
p45=-120.781;50.000  
p46=-120.500;49.725  
p47=-120.269;49.500  
p48=-120.000;49.225  
p49=-119.766;49.000  
p50=-119.500;48.728  
p51=-119.257;48.500

p52=-119.000;48.211  
p53=-118.823;48.000  
p54=-118.500;47.599  
p55=-118.431;47.500  
p56=-118.085;47.000  
p57=-118.000;46.845  
p58=-117.830;46.500  
p59=-117.585;46.000  
p60=-117.500;45.802  
p61=-117.379;45.500  
p62=-117.216;45.000  
p63=-117.064;44.500  
p64=-117.000;44.198  
p65=-116.965;44.000  
p66=-116.938;43.500  
p67=-116.950;43.000  
p68=-116.997;42.500  
p69=-117.000;42.484  
p70=-117.108;42.000  
p71=-117.354;41.500  
p72=-117.500;41.302  
p73=-117.756;41.000  
p74=-118.000;40.839  
p75=-118.500;40.634  
p76=-118.935;40.500  
p77=-119.000;40.483  
p78=-119.500;40.409  
p79=-120.000;40.349  
p80=-120.500;40.337  
p81=-121.000;40.332  
p82=-121.500;40.382  
p83=-122.000;40.438  
p84=-122.329;40.500  
p85=-122.500;40.538  
p86=-123.000;40.670  
p87=-123.500;40.791  
p88=-124.000;40.918  
p89=-124.339;41.000  
p90=-124.500;41.040  
p91=-125.000;41.166  
p92=-125.500;41.317  
p93=-126.000;41.482  
p94=-126.047;41.500  
p95=-126.500;41.756  
p96=-126.888;42.000  
p97=-127.000;42.088  
p98=-127.496;42.500  
p99=-127.500;42.504  
p100=-128.000;42.947  
p101=-128.063;43.000  
p102=-128.463;43.500  
p103=-128.500;43.546  
p104=-128.875;44.000  
p105=-129.000;44.078  
p106=-129.500;44.433  
p107=-129.582;44.500  
p108=-130.000;44.767

p109=-130.302;45.000  
p110=-130.500;45.137  
p111=-130.942;45.500  
p112=-131.000;45.546  
p113=-131.467;46.000  
p114=-131.500;46.027  
p115=-131.979;46.500  
p116=-132.000;46.528  
p117=-132.361;47.000  
p118=-132.418;47.500  
p119=-132.000;47.932

[C5]

gain=-8.00  
n\_point=15  
p1=-134.500;51.337  
p2=-134.000;51.226  
p3=-133.512;51.000  
p4=-133.500;50.981  
p5=-133.118;50.500  
p6=-133.000;50.172  
p7=-132.933;50.000  
p8=-133.000;49.958  
p9=-133.124;50.000  
p10=-133.500;50.164  
p11=-134.000;50.401  
p12=-134.151;50.500  
p13=-134.500;50.735  
p14=-134.917;51.000  
p15=-134.500;51.337

[C6]

gain=-10.00  
n\_point=137  
p1=-135.500;51.539  
p2=-135.000;51.854  
p3=-134.500;51.798  
p4=-134.000;51.726  
p5=-133.500;51.540  
p6=-133.122;52.000  
p7=-133.000;52.058  
p8=-132.500;52.153  
p9=-132.000;52.122  
p10=-131.542;52.000  
p11=-131.500;51.990  
p12=-131.000;51.883  
p13=-130.500;51.804  
p14=-130.000;51.761  
p15=-129.500;51.704  
p16=-129.000;51.650  
p17=-128.500;51.679  
p18=-128.122;52.000  
p19=-128.000;52.136  
p20=-127.697;52.500  
p21=-127.500;52.852  
p22=-127.428;53.000  
p23=-127.000;53.170



p24=-126.500;53.145  
p25=-126.000;53.082  
p26=-125.500;53.031  
p27=-125.276;53.000  
p28=-125.000;52.918  
p29=-124.500;52.736  
p30=-124.000;52.530  
p31=-123.931;52.500  
p32=-123.500;52.320  
p33=-123.000;52.114  
p34=-122.689;52.000  
p35=-122.500;51.936  
p36=-122.000;51.736  
p37=-121.569;51.500  
p38=-121.500;51.453  
p39=-121.000;51.095  
p40=-120.866;51.000  
p41=-120.500;50.695  
p42=-120.242;50.500  
p43=-120.000;50.316  
p44=-119.589;50.000  
p45=-119.500;49.926  
p46=-119.005;49.500  
p47=-119.000;49.495  
p48=-118.500;49.000  
p49=-118.500;49.000  
p50=-118.049;48.500  
p51=-118.000;48.430  
p52=-117.805;48.000  
p53=-117.500;47.511  
p54=-117.495;47.500  
p55=-117.311;47.000  
p56=-117.087;46.500  
p57=-117.000;46.270  
p58=-116.924;46.000  
p59=-116.741;45.500  
p60=-116.577;45.000  
p61=-116.500;44.751  
p62=-116.430;44.500  
p63=-116.329;44.000  
p64=-116.244;43.500  
p65=-116.190;43.000  
p66=-116.176;42.500  
p67=-116.199;42.000  
p68=-116.306;41.500  
p69=-116.499;41.000  
p70=-116.500;40.998  
p71=-116.932;40.500  
p72=-117.000;40.445  
p73=-117.500;40.120  
p74=-117.808;40.000  
p75=-118.000;39.948  
p76=-118.500;39.836  
p77=-119.000;39.764  
p78=-119.500;39.701  
p79=-120.000;39.656  
p80=-120.500;39.612

p81=-121.000;39.630  
p82=-121.500;39.670  
p83=-122.000;39.753  
p84=-122.500;39.879  
p85=-122.999;40.000  
p86=-123.000;40.000  
p87=-123.500;40.127  
p88=-124.000;40.254  
p89=-124.500;40.381  
p90=-124.936;40.500  
p91=-125.000;40.517  
p92=-125.500;40.650  
p93=-126.000;40.795  
p94=-126.500;40.992  
p95=-126.520;41.000  
p96=-127.000;41.197  
p97=-127.500;41.446  
p98=-127.595;41.500  
p99=-128.000;41.766  
p100=-128.344;42.000  
p101=-128.500;42.133  
p102=-128.921;42.500  
p103=-129.000;42.568  
p104=-129.496;43.000  
p105=-129.500;43.004  
p106=-129.960;43.500  
p107=-130.000;43.544  
p108=-130.439;44.000  
p109=-130.500;44.055  
p110=-130.941;44.500  
p111=-131.000;44.550  
p112=-131.431;45.000  
p113=-131.500;45.063  
p114=-131.909;45.500  
p115=-132.000;45.611  
p116=-132.250;46.000  
p117=-132.500;46.298  
p118=-132.632;46.500  
p119=-133.000;46.982  
p120=-133.012;47.000  
p121=-133.142;47.500  
p122=-133.248;48.000  
p123=-133.000;48.348  
p124=-132.832;48.500  
p125=-132.811;49.000  
p126=-133.000;49.254  
p127=-133.132;49.500  
p128=-133.500;49.759  
p129=-133.830;50.000  
p130=-134.000;50.119  
p131=-134.500;50.449  
p132=-134.581;50.500  
p133=-135.000;50.772  
p134=-135.374;51.000  
p135=-135.500;51.455  
p136=-135.515;51.500  
p137=-135.500;51.539

[C7]

gain=-10.00  
n\_point=5  
p1=-131.500;49.729  
p2=-131.681;49.500  
p3=-131.500;49.400  
p4=-131.112;49.500  
p5=-131.500;49.729

[C8]

gain=-15.00  
n\_point=199  
p1=-141.500;56.364  
p2=-141.000;56.255  
p3=-140.500;56.167  
p4=-140.000;56.070  
p5=-139.500;56.017  
p6=-139.458;56.000  
p7=-139.000;55.727  
p8=-138.500;55.580  
p9=-138.300;55.500  
p10=-138.000;55.349  
p11=-137.500;55.150  
p12=-137.106;55.000  
p13=-137.000;54.953  
p14=-136.500;54.746  
p15=-136.000;54.566  
p16=-135.806;54.500  
p17=-135.500;54.372  
p18=-135.000;54.255  
p19=-134.500;54.179  
p20=-134.000;54.220  
p21=-133.500;54.248  
p22=-133.000;54.202  
p23=-132.500;54.114  
p24=-132.001;54.000  
p25=-132.000;54.000  
p26=-131.500;53.839  
p27=-131.000;53.729  
p28=-130.500;53.682  
p29=-130.000;53.704  
p30=-129.500;53.730  
p31=-129.000;53.749  
p32=-128.500;53.835  
p33=-128.000;53.885  
p34=-127.500;53.854  
p35=-127.000;53.777  
p36=-126.500;53.689  
p37=-126.000;53.613  
p38=-125.500;53.547  
p39=-125.116;53.500  
p40=-125.000;53.485  
p41=-124.500;53.428  
p42=-124.000;53.403  
p43=-123.500;53.475  
p44=-123.413;53.500

p45=-123.028;54.000  
p46=-123.000;54.090  
p47=-122.767;54.500  
p48=-122.500;54.826  
p49=-122.000;54.918  
p50=-121.500;54.796  
p51=-121.000;54.657  
p52=-120.500;54.500  
p53=-120.500;54.500  
p54=-120.000;54.158  
p55=-119.759;54.000  
p56=-119.500;53.739  
p57=-119.235;53.500  
p58=-119.000;53.277  
p59=-118.664;53.000  
p60=-118.500;52.842  
p61=-118.060;52.500  
p62=-118.000;52.410  
p63=-117.664;52.000  
p64=-117.500;51.786  
p65=-117.258;51.500  
p66=-117.000;51.209  
p67=-116.855;51.000  
p68=-116.836;50.500  
p69=-116.721;50.000  
p70=-116.593;49.500  
p71=-116.518;49.000  
p72=-116.500;48.957  
p73=-116.356;48.500  
p74=-116.217;48.000  
p75=-116.102;47.500  
p76=-116.000;47.212  
p77=-115.942;47.000  
p78=-115.835;46.500  
p79=-115.700;46.000  
p80=-115.543;45.500  
p81=-115.500;45.355  
p82=-115.415;45.000  
p83=-115.254;44.500  
p84=-115.108;44.000  
p85=-115.000;43.609  
p86=-114.971;43.500  
p87=-114.825;43.000  
p88=-114.676;42.500  
p89=-114.536;42.000  
p90=-114.500;41.874  
p91=-114.375;41.500  
p92=-114.229;41.000  
p93=-114.131;40.500  
p94=-114.084;40.000  
p95=-114.119;39.500  
p96=-114.272;39.000  
p97=-114.500;38.641  
p98=-114.646;38.500  
p99=-115.000;38.324  
p100=-115.500;38.259  
p101=-116.000;38.250

p102=-116.500;38.279  
p103=-117.000;38.306  
p104=-117.500;38.333  
p105=-118.000;38.365  
p106=-118.500;38.405  
p107=-119.000;38.442  
p108=-119.500;38.481  
p109=-119.760;38.500  
p110=-120.000;38.518  
p111=-120.500;38.532  
p112=-121.000;38.536  
p113=-121.500;38.538  
p114=-122.000;38.535  
p115=-122.500;38.527  
p116=-123.000;38.524  
p117=-123.500;38.511  
p118=-123.886;38.500  
p119=-124.000;38.497  
p120=-124.500;38.483  
p121=-125.000;38.497  
p122=-125.098;38.500  
p123=-125.500;38.514  
p124=-126.000;38.576  
p125=-126.500;38.694  
p126=-127.000;38.852  
p127=-127.336;39.000  
p128=-127.500;39.069  
p129=-128.000;39.299  
p130=-128.443;39.500  
p131=-128.500;39.527  
p132=-129.000;39.790  
p133=-129.371;40.000  
p134=-129.500;40.076  
p135=-130.000;40.392  
p136=-130.162;40.500  
p137=-130.500;40.750  
p138=-130.825;41.000  
p139=-131.000;41.196  
p140=-131.227;41.500  
p141=-131.500;41.814  
p142=-131.650;42.000  
p143=-132.000;42.311  
p144=-132.205;42.500  
p145=-132.500;42.751  
p146=-132.781;43.000  
p147=-133.000;43.174  
p148=-133.376;43.500  
p149=-133.500;43.595  
p150=-133.986;44.000  
p151=-134.000;44.011  
p152=-134.500;44.422  
p153=-134.589;44.500  
p154=-134.760;45.000  
p155=-134.750;45.500  
p156=-134.500;45.722  
p157=-134.216;46.000  
p158=-134.000;46.312

p159=-133.944;46.500  
p160=-134.000;46.634  
p161=-134.120;47.000  
p162=-134.192;47.500  
p163=-134.500;47.952  
p164=-134.524;48.000  
p165=-134.879;48.500  
p166=-135.000;48.861  
p167=-135.083;49.000  
p168=-135.000;49.096  
p169=-134.500;49.317  
p170=-134.327;49.500  
p171=-134.500;49.623  
p172=-134.877;50.000  
p173=-135.000;50.077  
p174=-135.500;50.336  
p175=-135.732;50.500  
p176=-136.000;50.637  
p177=-136.500;50.977  
p178=-136.527;51.000  
p179=-136.932;51.500  
p180=-136.831;52.000  
p181=-136.800;52.500  
p182=-137.000;52.677  
p183=-137.292;53.000  
p184=-137.500;53.135  
p185=-138.000;53.420  
p186=-138.128;53.500  
p187=-138.500;53.711  
p188=-138.981;54.000  
p189=-139.000;54.012  
p190=-139.500;54.289  
p191=-139.860;54.500  
p192=-140.000;54.610  
p193=-140.500;54.959  
p194=-140.564;55.000  
p195=-141.000;55.323  
p196=-141.257;55.500  
p197=-141.500;55.718  
p198=-141.963;56.000  
p199=-141.500;56.364

[C9]

gain=-15.00  
n\_point=7  
p1=-142.500;56.588  
p2=-142.000;56.504  
p3=-141.979;56.500  
p4=-142.000;56.414  
p5=-142.500;56.400  
p6=-142.665;56.500  
p7=-142.500;56.588

[C10]

gain=-20.00  
n\_point=269  
p1=-146.000;58.006

p2=-145.500;58.038  
p3=-145.315;58.000  
p4=-145.000;57.872  
p5=-144.500;57.818  
p6=-144.000;57.711  
p7=-143.500;57.608  
p8=-143.000;57.507  
p9=-142.965;57.500  
p10=-142.500;57.399  
p11=-142.000;57.283  
p12=-141.500;57.169  
p13=-141.000;57.039  
p14=-140.897;57.000  
p15=-140.500;56.871  
p16=-140.000;56.714  
p17=-139.500;56.504  
p18=-139.492;56.500  
p19=-139.000;56.319  
p20=-138.500;56.101  
p21=-138.305;56.000  
p22=-138.000;55.868  
p23=-137.500;55.667  
p24=-137.093;55.500  
p25=-137.000;55.460  
p26=-136.500;55.292  
p27=-136.000;55.133  
p28=-135.500;55.087  
p29=-135.000;55.062  
p30=-134.500;55.031  
p31=-134.167;55.000  
p32=-134.000;54.982  
p33=-133.500;54.854  
p34=-133.000;54.732  
p35=-132.500;54.608  
p36=-132.052;54.500  
p37=-132.000;54.487  
p38=-131.500;54.414  
p39=-131.000;54.462  
p40=-130.821;54.500  
p41=-130.500;54.642  
p42=-130.000;54.696  
p43=-129.500;54.637  
p44=-129.000;54.577  
p45=-128.500;54.521  
p46=-128.390;54.500  
p47=-128.000;54.423  
p48=-127.500;54.316  
p49=-127.000;54.209  
p50=-126.500;54.119  
p51=-126.000;54.064  
p52=-125.500;54.072  
p53=-125.000;54.108  
p54=-124.500;54.375  
p55=-124.415;54.500  
p56=-124.348;55.000  
p57=-124.422;55.500  
p58=-124.351;56.000

p59=-124.115;56.500  
p60=-124.000;56.590  
p61=-123.500;56.726  
p62=-123.000;56.724  
p63=-122.500;56.732  
p64=-122.000;56.695  
p65=-121.500;56.600  
p66=-121.045;56.500  
p67=-121.000;56.491  
p68=-120.500;56.384  
p69=-120.000;56.266  
p70=-119.500;56.172  
p71=-119.000;56.080  
p72=-118.604;56.000  
p73=-118.500;55.973  
p74=-118.000;55.772  
p75=-117.500;55.582  
p76=-117.270;55.500  
p77=-117.000;55.371  
p78=-116.500;55.092  
p79=-116.398;55.000  
p80=-116.000;54.686  
p81=-115.806;54.500  
p82=-115.500;54.206  
p83=-115.295;54.000  
p84=-115.000;53.579  
p85=-114.941;53.500  
p86=-114.598;53.000  
p87=-114.500;52.850  
p88=-114.247;52.500  
p89=-114.000;52.035  
p90=-113.977;52.000  
p91=-113.776;51.500  
p92=-113.632;51.000  
p93=-113.817;50.500  
p94=-113.779;50.000  
p95=-113.786;49.500  
p96=-113.699;49.000  
p97=-113.649;48.500  
p98=-113.719;48.000  
p99=-114.000;47.760  
p100=-114.454;47.500  
p101=-114.500;47.471  
p102=-114.862;47.000  
p103=-114.896;46.500  
p104=-114.858;46.000  
p105=-114.770;45.500  
p106=-114.644;45.000  
p107=-114.513;44.500  
p108=-114.500;44.466  
p109=-114.309;44.000  
p110=-114.080;43.500  
p111=-114.000;43.330  
p112=-113.817;43.000  
p113=-113.500;42.544  
p114=-113.455;42.500  
p115=-113.000;42.026



p116=-112.936;42.000  
p117=-112.500;41.702  
p118=-112.156;41.500  
p119=-112.000;41.407  
p120=-111.500;41.098  
p121=-111.368;41.000  
p122=-111.000;40.532  
p123=-110.979;40.500  
p124=-110.745;40.000  
p125=-110.618;39.500  
p126=-110.573;39.000  
p127=-110.572;38.500  
p128=-110.660;38.000  
p129=-110.798;37.500  
p130=-111.000;37.110  
p131=-111.059;37.000  
p132=-111.389;36.500  
p133=-111.500;36.386  
p134=-111.974;36.000  
p135=-112.000;35.982  
p136=-112.500;35.742  
p137=-113.000;35.544  
p138=-113.215;35.500  
p139=-113.500;35.451  
p140=-114.000;35.377  
p141=-114.500;35.402  
p142=-115.000;35.456  
p143=-115.109;35.500  
p144=-115.500;35.684  
p145=-116.000;35.932  
p146=-116.081;36.000  
p147=-116.500;36.388  
p148=-116.637;36.500  
p149=-117.000;36.751  
p150=-117.417;37.000  
p151=-117.500;37.033  
p152=-118.000;37.275  
p153=-118.500;37.449  
p154=-118.646;37.500  
p155=-119.000;37.615  
p156=-119.500;37.749  
p157=-120.000;37.790  
p158=-120.500;37.724  
p159=-121.000;37.613  
p160=-121.330;37.500  
p161=-121.500;37.422  
p162=-122.000;37.217  
p163=-122.500;37.023  
p164=-122.555;37.000  
p165=-122.782;36.500  
p166=-123.000;36.143  
p167=-123.135;36.000  
p168=-123.500;35.901  
p169=-124.000;35.987  
p170=-124.062;36.000  
p171=-124.500;36.123  
p172=-125.000;36.340

p173=-125.429;36.500  
p174=-125.500;36.536  
p175=-126.000;36.725  
p176=-126.500;36.882  
p177=-126.904;37.000  
p178=-127.000;37.029  
p179=-127.500;37.181  
p180=-128.000;37.356  
p181=-128.382;37.500  
p182=-128.500;37.560  
p183=-129.000;37.819  
p184=-129.319;38.000  
p185=-129.500;38.107  
p186=-130.000;38.411  
p187=-130.143;38.500  
p188=-130.500;38.730  
p189=-130.905;39.000  
p190=-131.000;39.065  
p191=-131.500;39.436  
p192=-131.576;39.500  
p193=-132.000;39.841  
p194=-132.180;40.000  
p195=-132.500;40.274  
p196=-132.766;40.500  
p197=-133.000;40.697  
p198=-133.364;41.000  
p199=-133.500;41.123  
p200=-133.965;41.500  
p201=-134.000;41.530  
p202=-134.500;41.930  
p203=-134.582;42.000  
p204=-135.000;42.393  
p205=-135.111;42.500  
p206=-135.491;43.000  
p207=-135.500;43.011  
p208=-135.854;43.500  
p209=-136.000;43.910  
p210=-136.026;44.000  
p211=-136.331;44.500  
p212=-136.500;44.755  
p213=-136.648;45.000  
p214=-136.937;45.500  
p215=-137.000;45.591  
p216=-137.271;46.000  
p217=-137.000;46.315  
p218=-136.500;46.426  
p219=-136.000;46.486  
p220=-135.959;46.500  
p221=-135.500;46.795  
p222=-135.318;47.000  
p223=-135.000;47.225  
p224=-134.836;47.500  
p225=-134.976;48.000  
p226=-135.000;48.029  
p227=-135.342;48.500  
p228=-135.500;48.672  
p229=-135.864;49.000

p230=-136.000;49.157  
p231=-136.384;49.500  
p232=-136.500;49.659  
p233=-136.875;50.000  
p234=-137.000;50.159  
p235=-137.354;50.500  
p236=-137.500;50.662  
p237=-137.835;51.000  
p238=-138.000;51.186  
p239=-138.271;51.500  
p240=-138.398;52.000  
p241=-138.268;52.500  
p242=-138.411;53.000  
p243=-138.500;53.054  
p244=-139.000;53.355  
p245=-139.198;53.500  
p246=-139.500;53.679  
p247=-140.000;53.990  
p248=-140.013;54.000  
p249=-140.500;54.260  
p250=-140.860;54.500  
p251=-141.000;54.593  
p252=-141.500;54.873  
p253=-141.664;55.000  
p254=-142.000;55.225  
p255=-142.444;55.500  
p256=-142.500;55.537  
p257=-143.000;55.841  
p258=-143.258;56.000  
p259=-143.500;56.151  
p260=-144.000;56.436  
p261=-144.106;56.500  
p262=-144.500;56.768  
p263=-144.935;57.000  
p264=-145.000;57.064  
p265=-145.500;57.423  
p266=-145.649;57.500  
p267=-146.000;57.982  
p268=-146.022;58.000  
p269=-146.000;58.006

[C11]

gain=-20.00  
n\_point=7  
p1=-142.000;51.104  
p2=-141.500;51.061  
p3=-141.409;51.000  
p4=-141.500;50.657  
p5=-142.000;50.929  
p6=-142.093;51.000  
p7=-142.000;51.104

[C12]

gain=-20.00  
n\_point=7  
p1=-140.500;50.136  
p2=-140.000;50.011

p3=-139.987;50.000  
p4=-140.000;49.957  
p5=-140.500;49.939  
p6=-140.605;50.000  
p7=-140.500;50.136

[C13]  
gain=-20.00  
n\_point=5  
p1=-143.500;52.014  
p2=-143.418;52.000  
p3=-143.500;51.979  
p4=-143.531;52.000  
p5=-143.500;52.014

[C14]  
gain=-20.00  
n\_point=5  
p1=-142.500;51.622  
p2=-142.266;51.500  
p3=-142.500;51.284  
p4=-142.803;51.500  
p5=-142.500;51.622

[C15]  
gain=-20.00  
n\_point=5  
p1=-141.000;50.681  
p2=-140.702;50.500  
p3=-141.000;50.244  
p4=-141.423;50.500  
p5=-141.000;50.681

[C16]  
gain=-20.00  
n\_point=5  
p1=-139.500;49.570  
p2=-139.428;49.500  
p3=-139.500;49.399  
p4=-139.678;49.500  
p5=-139.500;49.570