

[FormatInfo]  
format\_ver=1

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

[COHeader]  
beam\_id=RD2  
emi\_rcp=E  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=7

[B1]  
gain=0.00  
p=-115.433;45.650

[C1]  
gain=-2.00  
n\_point=57  
p1=-119.500;49.216  
p2=-119.080;49.500  
p3=-119.000;49.543  
p4=-118.500;49.706  
p5=-118.000;49.713  
p6=-117.500;49.708  
p7=-117.000;49.594  
p8=-116.681;49.500  
p9=-116.500;49.434  
p10=-116.000;49.250  
p11=-115.544;49.000  
p12=-115.500;48.979  
p13=-115.000;48.672  
p14=-114.726;48.500  
p15=-114.500;48.340  
p16=-114.056;48.000  
p17=-114.000;47.942  
p18=-113.683;47.500  
p19=-113.500;47.276  
p20=-113.300;47.000  
p21=-113.040;46.500  
p22=-113.000;46.395  
p23=-112.856;46.000  
p24=-112.682;45.500  
p25=-112.650;45.000  
p26=-112.620;44.500  
p27=-112.726;44.000  
p28=-112.997;43.500  
p29=-113.000;43.496  
p30=-113.500;43.006  
p31=-113.513;43.000  
p32=-114.000;42.850  
p33=-114.500;42.778

p34=-115.000;42.811  
p35=-115.500;42.871  
p36=-115.868;43.000  
p37=-116.000;43.055  
p38=-116.500;43.256  
p39=-116.968;43.500  
p40=-117.000;43.519  
p41=-117.500;43.915  
p42=-117.609;44.000  
p43=-118.000;44.302  
p44=-118.242;44.500  
p45=-118.500;44.773  
p46=-118.683;45.000  
p47=-119.000;45.376  
p48=-119.096;45.500  
p49=-119.427;46.000  
p50=-119.500;46.162  
p51=-119.632;46.500  
p52=-119.817;47.000  
p53=-119.947;47.500  
p54=-119.942;48.000  
p55=-119.940;48.500  
p56=-119.687;49.000  
p57=-119.500;49.216

[C2]

gain=-4.00  
n\_point=81  
p1=-121.500;50.245  
p2=-121.179;50.500  
p3=-121.000;50.646  
p4=-120.500;50.971  
p5=-120.442;51.000  
p6=-120.000;51.213  
p7=-119.500;51.352  
p8=-119.000;51.345  
p9=-118.500;51.337  
p10=-118.000;51.231  
p11=-117.500;51.089  
p12=-117.174;51.000  
p13=-117.000;50.945  
p14=-116.500;50.751  
p15=-116.000;50.513  
p16=-115.972;50.500  
p17=-115.500;50.275  
p18=-115.000;50.029  
p19=-114.957;50.000  
p20=-114.500;49.694  
p21=-114.216;49.500  
p22=-114.000;49.317  
p23=-113.628;49.000  
p24=-113.500;48.888  
p25=-113.096;48.500  
p26=-113.000;48.409  
p27=-112.652;48.000  
p28=-112.500;47.768  
p29=-112.339;47.500

p30=-112.044;47.000  
p31=-112.000;46.907  
p32=-111.808;46.500  
p33=-111.642;46.000  
p34=-111.500;45.565  
p35=-111.479;45.500  
p36=-111.408;45.000  
p37=-111.345;44.500  
p38=-111.352;44.000  
p39=-111.445;43.500  
p40=-111.500;43.293  
p41=-111.598;43.000  
p42=-111.919;42.500  
p43=-112.000;42.390  
p44=-112.458;42.000  
p45=-112.500;41.977  
p46=-113.000;41.754  
p47=-113.500;41.650  
p48=-114.000;41.584  
p49=-114.500;41.608  
p50=-115.000;41.649  
p51=-115.500;41.770  
p52=-116.000;41.898  
p53=-116.267;42.000  
p54=-116.500;42.101  
p55=-117.000;42.351  
p56=-117.297;42.500  
p57=-117.500;42.616  
p58=-118.000;42.974  
p59=-118.035;43.000  
p60=-118.500;43.357  
p61=-118.688;43.500  
p62=-119.000;43.791  
p63=-119.206;44.000  
p64=-119.500;44.271  
p65=-119.719;44.500  
p66=-120.000;44.836  
p67=-120.134;45.000  
p68=-120.495;45.500  
p69=-120.500;45.507  
p70=-120.852;46.000  
p71=-121.000;46.374  
p72=-121.050;46.500  
p73=-121.259;47.000  
p74=-121.419;47.500  
p75=-121.500;47.816  
p76=-121.543;48.000  
p77=-121.635;48.500  
p78=-121.716;49.000  
p79=-121.756;49.500  
p80=-121.717;50.000  
p81=-121.500;50.245

[C3]

gain=-6.00  
n\_point=101  
p1=-123.000;51.306

p2=-122.785;51.500  
p3=-122.500;51.609  
p4=-122.000;51.849  
p5=-121.766;52.000  
p6=-121.500;52.222  
p7=-121.079;52.500  
p8=-121.000;52.552  
p9=-120.500;52.755  
p10=-120.000;52.729  
p11=-119.500;52.702  
p12=-119.000;52.636  
p13=-118.500;52.515  
p14=-118.436;52.500  
p15=-118.000;52.359  
p16=-117.500;52.195  
p17=-117.000;52.004  
p18=-116.990;52.000  
p19=-116.500;51.805  
p20=-116.000;51.601  
p21=-115.803;51.500  
p22=-115.500;51.358  
p23=-115.000;51.076  
p24=-114.869;51.000  
p25=-114.500;50.762  
p26=-114.099;50.500  
p27=-114.000;50.433  
p28=-113.500;50.006  
p29=-113.493;50.000  
p30=-113.000;49.555  
p31=-112.940;49.500  
p32=-112.500;49.028  
p33=-112.475;49.000  
p34=-112.036;48.500  
p35=-112.000;48.458  
p36=-111.657;48.000  
p37=-111.500;47.749  
p38=-111.373;47.500  
p39=-111.135;47.000  
p40=-111.000;46.715  
p41=-110.909;46.500  
p42=-110.757;46.000  
p43=-110.617;45.500  
p44=-110.522;45.000  
p45=-110.500;44.884  
p46=-110.443;44.500  
p47=-110.442;44.000  
p48=-110.493;43.500  
p49=-110.500;43.450  
p50=-110.568;43.000  
p51=-110.758;42.500  
p52=-110.988;42.000  
p53=-111.000;41.984  
p54=-111.476;41.500  
p55=-111.500;41.477  
p56=-112.000;41.138  
p57=-112.255;41.000  
p58=-112.500;40.898

p59=-113.000;40.795  
p60=-113.500;40.714  
p61=-114.000;40.721  
p62=-114.500;40.740  
p63=-115.000;40.816  
p64=-115.500;40.913  
p65=-115.840;41.000  
p66=-116.000;41.050  
p67=-116.500;41.251  
p68=-117.000;41.451  
p69=-117.095;41.500  
p70=-117.500;41.715  
p71=-118.000;41.997  
p72=-118.005;42.000  
p73=-118.500;42.320  
p74=-118.747;42.500  
p75=-119.000;42.708  
p76=-119.337;43.000  
p77=-119.500;43.141  
p78=-119.911;43.500  
p79=-120.000;43.593  
p80=-120.386;44.000  
p81=-120.500;44.120  
p82=-120.826;44.500  
p83=-121.000;44.706  
p84=-121.224;45.000  
p85=-121.500;45.398  
p86=-121.567;45.500  
p87=-121.905;46.000  
p88=-122.000;46.194  
p89=-122.147;46.500  
p90=-122.368;47.000  
p91=-122.500;47.301  
p92=-122.583;47.500  
p93=-122.710;48.000  
p94=-122.857;48.500  
p95=-123.000;48.971  
p96=-123.009;49.000  
p97=-123.178;49.500  
p98=-123.363;50.000  
p99=-123.385;50.500  
p100=-123.273;51.000  
p101=-123.000;51.306

[C4]

gain=-8.00  
n\_point=117  
p1=-124.500;51.701  
p2=-124.000;51.993  
p3=-123.982;52.000  
p4=-123.500;52.232  
p5=-123.074;52.500  
p6=-123.000;52.565  
p7=-122.596;53.000  
p8=-122.500;53.084  
p9=-122.000;53.388  
p10=-121.807;53.500

p11=-121.500;53.713  
p12=-121.000;53.761  
p13=-120.500;53.713  
p14=-120.000;53.660  
p15=-119.500;53.558  
p16=-119.282;53.500  
p17=-119.000;53.426  
p18=-118.500;53.295  
p19=-118.000;53.165  
p20=-117.500;53.021  
p21=-117.427;53.000  
p22=-117.000;52.877  
p23=-116.500;52.727  
p24=-116.000;52.541  
p25=-115.899;52.500  
p26=-115.500;52.287  
p27=-115.000;52.025  
p28=-114.960;52.000  
p29=-114.500;51.719  
p30=-114.212;51.500  
p31=-114.000;51.343  
p32=-113.562;51.000  
p33=-113.500;50.947  
p34=-113.000;50.517  
p35=-112.982;50.500  
p36=-112.500;50.058  
p37=-112.446;50.000  
p38=-112.000;49.522  
p39=-111.980;49.500  
p40=-111.587;49.000  
p41=-111.500;48.881  
p42=-111.228;48.500  
p43=-111.000;48.174  
p44=-110.882;48.000  
p45=-110.634;47.500  
p46=-110.500;47.217  
p47=-110.411;47.000  
p48=-110.201;46.500  
p49=-110.059;46.000  
p50=-110.000;45.785  
p51=-109.935;45.500  
p52=-109.858;45.000  
p53=-109.794;44.500  
p54=-109.767;44.000  
p55=-109.786;43.500  
p56=-109.806;43.000  
p57=-109.925;42.500  
p58=-110.000;42.241  
p59=-110.093;42.000  
p60=-110.377;41.500  
p61=-110.500;41.305  
p62=-110.770;41.000  
p63=-111.000;40.813  
p64=-111.433;40.500  
p65=-111.500;40.460  
p66=-112.000;40.264  
p67=-112.500;40.107

p68=-113.000;40.029  
p69=-113.339;40.000  
p70=-113.500;39.990  
p71=-113.828;40.000  
p72=-114.000;40.007  
p73=-114.500;40.048  
p74=-115.000;40.145  
p75=-115.500;40.248  
p76=-116.000;40.397  
p77=-116.329;40.500  
p78=-116.500;40.554  
p79=-117.000;40.738  
p80=-117.500;40.950  
p81=-117.613;41.000  
p82=-118.000;41.201  
p83=-118.500;41.497  
p84=-118.505;41.500  
p85=-119.000;41.829  
p86=-119.251;42.000  
p87=-119.500;42.183  
p88=-119.901;42.500  
p89=-120.000;42.587  
p90=-120.433;43.000  
p91=-120.500;43.063  
p92=-120.952;43.500  
p93=-121.000;43.555  
p94=-121.378;44.000  
p95=-121.500;44.148  
p96=-121.781;44.500  
p97=-122.000;44.794  
p98=-122.141;45.000  
p99=-122.465;45.500  
p100=-122.500;45.554  
p101=-122.773;46.000  
p102=-123.000;46.413  
p103=-123.046;46.500  
p104=-123.309;47.000  
p105=-123.500;47.396  
p106=-123.549;47.500  
p107=-123.713;48.000  
p108=-123.886;48.500  
p109=-124.000;48.879  
p110=-124.034;49.000  
p111=-124.207;49.500  
p112=-124.412;50.000  
p113=-124.500;50.289  
p114=-124.552;50.500  
p115=-124.619;51.000  
p116=-124.684;51.500  
p117=-124.500;51.701

[C5]

gain=-10.00  
n\_point=129  
p1=-125.500;51.915  
p2=-125.425;52.000  
p3=-125.000;52.397

p4=-124.854;52.500  
p5=-124.500;52.740  
p6=-124.133;53.000  
p7=-124.000;53.059  
p8=-123.500;53.333  
p9=-123.288;53.500  
p10=-123.004;54.000  
p11=-123.000;54.007  
p12=-122.500;54.390  
p13=-122.359;54.500  
p14=-122.000;54.590  
p15=-121.500;54.547  
p16=-121.024;54.500  
p17=-121.000;54.496  
p18=-120.500;54.425  
p19=-120.000;54.315  
p20=-119.500;54.207  
p21=-119.000;54.109  
p22=-118.500;54.021  
p23=-118.378;54.000  
p24=-118.000;53.894  
p25=-117.500;53.752  
p26=-117.000;53.603  
p27=-116.726;53.500  
p28=-116.500;53.417  
p29=-116.000;53.220  
p30=-115.500;53.020  
p31=-115.459;53.000  
p32=-115.000;52.797  
p33=-114.500;52.525  
p34=-114.457;52.500  
p35=-114.000;52.186  
p36=-113.734;52.000  
p37=-113.500;51.819  
p38=-113.118;51.500  
p39=-113.000;51.405  
p40=-112.560;51.000  
p41=-112.500;50.942  
p42=-112.066;50.500  
p43=-112.000;50.429  
p44=-111.611;50.000  
p45=-111.500;49.876  
p46=-111.179;49.500  
p47=-111.000;49.266  
p48=-110.821;49.000  
p49=-110.504;48.500  
p50=-110.500;48.494  
p51=-110.219;48.000  
p52=-110.007;47.500  
p53=-110.000;47.485  
p54=-109.809;47.000  
p55=-109.634;46.500  
p56=-109.509;46.000  
p57=-109.500;45.969  
p58=-109.384;45.500  
p59=-109.302;45.000  
p60=-109.245;44.500



p61=-109.208;44.000  
p62=-109.206;43.500  
p63=-109.202;43.000  
p64=-109.306;42.500  
p65=-109.410;42.000  
p66=-109.500;41.710  
p67=-109.583;41.500  
p68=-109.850;41.000  
p69=-110.000;40.798  
p70=-110.247;40.500  
p71=-110.500;40.264  
p72=-110.883;40.000  
p73=-111.000;39.932  
p74=-111.500;39.719  
p75=-112.000;39.569  
p76=-112.414;39.500  
p77=-112.500;39.488  
p78=-113.000;39.443  
p79=-113.500;39.445  
p80=-114.000;39.467  
p81=-114.300;39.500  
p82=-114.500;39.523  
p83=-115.000;39.601  
p84=-115.500;39.693  
p85=-116.000;39.809  
p86=-116.500;39.931  
p87=-116.725;40.000  
p88=-117.000;40.105  
p89=-117.500;40.303  
p90=-117.954;40.500  
p91=-118.000;40.520  
p92=-118.500;40.763  
p93=-118.938;41.000  
p94=-119.000;41.037  
p95=-119.500;41.356  
p96=-119.707;41.500  
p97=-120.000;41.715  
p98=-120.363;42.000  
p99=-120.500;42.112  
p100=-120.956;42.500  
p101=-121.000;42.542  
p102=-121.446;43.000  
p103=-121.500;43.054  
p104=-121.920;43.500  
p105=-122.000;43.602  
p106=-122.302;44.000  
p107=-122.500;44.280  
p108=-122.648;44.500  
p109=-122.977;45.000  
p110=-123.000;45.039  
p111=-123.253;45.500  
p112=-123.500;45.930  
p113=-123.539;46.000  
p114=-123.825;46.500  
p115=-124.000;46.805  
p116=-124.115;47.000  
p117=-124.407;47.500

p118=-124.500;47.732  
p119=-124.610;48.000  
p120=-124.817;48.500  
p121=-124.961;49.000  
p122=-125.000;49.345  
p123=-125.014;49.500  
p124=-125.154;50.000  
p125=-125.260;50.500  
p126=-125.397;51.000  
p127=-125.500;51.187  
p128=-125.638;51.500  
p129=-125.500;51.915

[C6]

gain=-15.00  
n\_point=147  
p1=-126.500;53.301  
p2=-126.094;53.500  
p3=-126.000;53.551  
p4=-125.500;53.809  
p5=-125.186;54.000  
p6=-125.000;54.247  
p7=-124.833;54.500  
p8=-124.500;54.891  
p9=-124.420;55.000  
p10=-124.000;55.413  
p11=-123.792;55.500  
p12=-123.500;55.633  
p13=-123.000;55.785  
p14=-122.500;55.756  
p15=-122.000;55.690  
p16=-121.500;55.622  
p17=-121.000;55.535  
p18=-120.825;55.500  
p19=-120.500;55.434  
p20=-120.000;55.332  
p21=-119.500;55.235  
p22=-119.000;55.145  
p23=-118.500;55.057  
p24=-118.181;55.000  
p25=-118.000;54.968  
p26=-117.500;54.863  
p27=-117.000;54.745  
p28=-116.500;54.627  
p29=-116.000;54.508  
p30=-115.965;54.500  
p31=-115.500;54.390  
p32=-115.000;54.259  
p33=-114.500;54.120  
p34=-114.045;54.000  
p35=-114.000;53.982  
p36=-113.500;53.792  
p37=-113.000;53.548  
p38=-112.914;53.500  
p39=-112.500;53.237  
p40=-112.172;53.000  
p41=-112.000;52.874

p42=-111.566;52.500  
p43=-111.500;52.441  
p44=-111.064;52.000  
p45=-111.000;51.934  
p46=-110.591;51.500  
p47=-110.500;51.394  
p48=-110.120;51.000  
p49=-110.000;50.845  
p50=-109.748;50.500  
p51=-109.500;50.021  
p52=-109.491;50.000  
p53=-109.260;49.500  
p54=-109.083;49.000  
p55=-109.000;48.714  
p56=-108.946;48.500  
p57=-108.808;48.000  
p58=-108.698;47.500  
p59=-108.591;47.000  
p60=-108.500;46.561  
p61=-108.489;46.500  
p62=-108.417;46.000  
p63=-108.337;45.500  
p64=-108.282;45.000  
p65=-108.247;44.500  
p66=-108.199;44.000  
p67=-108.147;43.500  
p68=-108.115;43.000  
p69=-108.134;42.500  
p70=-108.164;42.000  
p71=-108.194;41.500  
p72=-108.256;41.000  
p73=-108.361;40.500  
p74=-108.500;40.094  
p75=-108.539;40.000  
p76=-108.818;39.500  
p77=-109.000;39.282  
p78=-109.322;39.000  
p79=-109.500;38.880  
p80=-110.000;38.638  
p81=-110.464;38.500  
p82=-110.500;38.492  
p83=-111.000;38.413  
p84=-111.500;38.380  
p85=-112.000;38.367  
p86=-112.500;38.375  
p87=-113.000;38.390  
p88=-113.500;38.419  
p89=-114.000;38.449  
p90=-114.500;38.488  
p91=-114.660;38.500  
p92=-115.000;38.530  
p93=-115.500;38.572  
p94=-116.000;38.616  
p95=-116.500;38.656  
p96=-117.000;38.699  
p97=-117.500;38.739  
p98=-118.000;38.784

p99=-118.500;38.862  
p100=-119.000;38.965  
p101=-119.114;39.000  
p102=-119.500;39.121  
p103=-120.000;39.338  
p104=-120.333;39.500  
p105=-120.500;39.582  
p106=-121.000;39.879  
p107=-121.190;40.000  
p108=-121.500;40.214  
p109=-121.902;40.500  
p110=-122.000;40.577  
p111=-122.495;41.000  
p112=-122.500;41.004  
p113=-123.000;41.494  
p114=-123.006;41.500  
p115=-123.369;42.000  
p116=-123.500;42.177  
p117=-123.731;42.500  
p118=-124.000;42.936  
p119=-124.037;43.000  
p120=-124.337;43.500  
p121=-124.500;43.800  
p122=-124.605;44.000  
p123=-124.825;44.500  
p124=-125.000;44.865  
p125=-125.063;45.000  
p126=-125.219;45.500  
p127=-125.394;46.000  
p128=-125.500;46.224  
p129=-125.627;46.500  
p130=-125.900;47.000  
p131=-126.000;47.167  
p132=-126.194;47.500  
p133=-126.455;48.000  
p134=-126.500;48.086  
p135=-126.717;48.500  
p136=-126.974;49.000  
p137=-126.742;49.500  
p138=-126.691;50.000  
p139=-126.500;50.378  
p140=-126.464;50.500  
p141=-126.500;50.583  
p142=-126.582;51.000  
p143=-126.820;51.500  
p144=-126.870;52.000  
p145=-126.868;52.500  
p146=-126.940;53.000  
p147=-126.500;53.301

[C7]

gain=-20.00  
n\_point=207  
p1=-128.000;50.075  
p2=-127.500;50.447  
p3=-127.443;50.500  
p4=-127.000;50.908

p5=-126.967;51.000  
p6=-127.000;51.047  
p7=-127.202;51.500  
p8=-127.500;51.915  
p9=-127.556;52.000  
p10=-127.814;52.500  
p11=-127.925;53.000  
p12=-127.930;53.500  
p13=-127.500;53.780  
p14=-127.024;54.000  
p15=-127.000;54.020  
p16=-126.555;54.500  
p17=-126.500;54.568  
p18=-126.072;55.000  
p19=-126.000;55.084  
p20=-125.644;55.500  
p21=-125.500;55.762  
p22=-125.389;56.000  
p23=-125.000;56.303  
p24=-124.500;56.400  
p25=-124.000;56.453  
p26=-123.500;56.456  
p27=-123.000;56.403  
p28=-122.500;56.353  
p29=-122.000;56.311  
p30=-121.500;56.280  
p31=-121.000;56.242  
p32=-120.500;56.194  
p33=-120.000;56.136  
p34=-119.500;56.080  
p35=-119.000;56.021  
p36=-118.829;56.000  
p37=-118.500;55.949  
p38=-118.000;55.847  
p39=-117.500;55.749  
p40=-117.000;55.655  
p41=-116.500;55.592  
p42=-116.000;55.543  
p43=-115.622;55.500  
p44=-115.500;55.484  
p45=-115.189;55.500  
p46=-115.000;55.516  
p47=-114.500;55.821  
p48=-114.316;56.000  
p49=-114.004;56.500  
p50=-114.000;56.510  
p51=-113.774;57.000  
p52=-113.583;57.500  
p53=-113.500;57.565  
p54=-113.000;57.533  
p55=-112.804;57.500  
p56=-112.500;57.438  
p57=-112.000;57.345  
p58=-111.500;57.146  
p59=-111.203;57.000  
p60=-111.000;56.840  
p61=-110.513;56.500

p62=-110.500;56.491  
p63=-110.000;56.175  
p64=-109.750;56.000  
p65=-109.500;55.849  
p66=-109.006;55.500  
p67=-109.000;55.495  
p68=-108.500;55.095  
p69=-108.371;55.000  
p70=-108.000;54.654  
p71=-107.886;54.500  
p72=-107.500;54.104  
p73=-107.422;54.000  
p74=-107.060;53.500  
p75=-107.000;53.401  
p76=-106.768;53.000  
p77=-106.500;52.551  
p78=-106.468;52.500  
p79=-106.153;52.000  
p80=-106.000;51.689  
p81=-105.904;51.500  
p82=-105.624;51.000  
p83=-105.500;50.786  
p84=-105.369;50.500  
p85=-105.229;50.000  
p86=-105.034;49.500  
p87=-105.000;49.402  
p88=-104.911;49.000  
p89=-104.940;48.500  
p90=-105.000;48.115  
p91=-105.050;48.000  
p92=-105.500;47.623  
p93=-106.000;47.552  
p94=-106.500;47.639  
p95=-107.000;47.587  
p96=-107.052;47.500  
p97=-107.280;47.000  
p98=-107.408;46.500  
p99=-107.500;46.169  
p100=-107.529;46.000  
p101=-107.556;45.500  
p102=-107.563;45.000  
p103=-107.564;44.500  
p104=-107.539;44.000  
p105=-107.500;43.677  
p106=-107.478;43.500  
p107=-107.423;43.000  
p108=-107.311;42.500  
p109=-107.190;42.000  
p110=-107.026;41.500  
p111=-107.000;41.429  
p112=-106.779;41.000  
p113=-106.500;40.619  
p114=-106.133;40.500  
p115=-106.000;40.430  
p116=-105.500;40.271  
p117=-105.175;40.000  
p118=-105.000;39.800

p119=-104.848;39.500  
p120=-104.856;39.000  
p121=-104.843;38.500  
p122=-104.992;38.000  
p123=-105.000;37.971  
p124=-105.182;37.500  
p125=-105.500;37.076  
p126=-105.562;37.000  
p127=-105.926;36.500  
p128=-106.000;36.441  
p129=-106.500;36.053  
p130=-106.612;36.000  
p131=-107.000;35.819  
p132=-107.500;35.611  
p133=-108.000;35.558  
p134=-108.500;35.589  
p135=-109.000;35.750  
p136=-109.435;36.000  
p137=-109.500;36.039  
p138=-109.959;36.500  
p139=-110.000;36.534  
p140=-110.500;36.883  
p141=-110.652;37.000  
p142=-111.000;37.194  
p143=-111.500;37.371  
p144=-111.970;37.500  
p145=-112.000;37.507  
p146=-112.500;37.617  
p147=-113.000;37.699  
p148=-113.500;37.765  
p149=-114.000;37.757  
p150=-114.500;37.724  
p151=-115.000;37.666  
p152=-115.500;37.564  
p153=-115.778;37.500  
p154=-116.000;37.427  
p155=-116.500;37.201  
p156=-116.927;37.000  
p157=-117.000;36.920  
p158=-117.500;36.577  
p159=-118.000;36.517  
p160=-118.500;36.566  
p161=-119.000;36.690  
p162=-119.500;36.803  
p163=-120.000;36.979  
p164=-120.062;37.000  
p165=-120.500;37.220  
p166=-121.000;37.498  
p167=-121.004;37.500  
p168=-121.500;37.822  
p169=-121.794;38.000  
p170=-122.000;38.150  
p171=-122.462;38.500  
p172=-122.500;38.529  
p173=-123.000;38.951  
p174=-123.063;39.000  
p175=-123.500;39.369

p176=-123.662;39.500  
p177=-124.000;39.809  
p178=-124.180;40.000  
p179=-124.500;40.299  
p180=-124.690;40.500  
p181=-125.000;40.891  
p182=-125.088;41.000  
p183=-125.493;41.500  
p184=-125.500;41.509  
p185=-125.855;42.000  
p186=-126.000;42.208  
p187=-126.211;42.500  
p188=-126.500;42.948  
p189=-126.535;43.000  
p190=-126.807;43.500  
p191=-127.000;43.850  
p192=-127.085;44.000  
p193=-127.259;44.500  
p194=-127.447;45.000  
p195=-127.500;45.245  
p196=-127.552;45.500  
p197=-127.612;46.000  
p198=-127.684;46.500  
p199=-127.657;47.000  
p200=-127.765;47.500  
p201=-127.903;48.000  
p202=-128.000;48.253  
p203=-128.084;48.500  
p204=-128.335;49.000  
p205=-128.223;49.500  
p206=-128.052;50.000  
p207=-128.000;50.075