

[FormatInfo]  
format\_ver=1

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

[COHeader]  
beam\_id=RD9  
emi\_rcp=E  
polar\_disc=C  
reason=C  
n\_bore=1  
n\_cont=11

[B1]  
gain=0.00  
p=-62.709;49.010

[C1]  
gain=-2.00  
n\_point=63  
p1=-61.000;49.528  
p2=-60.974;49.500  
p3=-60.987;49.000  
p4=-61.000;48.977  
p5=-61.329;48.500  
p6=-61.500;48.151  
p7=-61.597;48.000  
p8=-61.895;47.500  
p9=-62.000;47.333  
p10=-62.282;47.000  
p11=-62.500;46.645  
p12=-62.640;46.500  
p13=-63.000;46.114  
p14=-63.102;46.000  
p15=-63.500;45.557  
p16=-63.544;45.500  
p17=-64.000;45.004  
p18=-64.003;45.000  
p19=-64.500;44.564  
p20=-64.574;44.500  
p21=-65.000;44.068  
p22=-65.077;44.000  
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p25=-66.097;43.500  
p26=-66.500;43.348  
p27=-67.000;43.242  
p28=-67.500;43.182  
p29=-68.000;43.139  
p30=-68.500;43.233  
p31=-69.000;43.373  
p32=-69.197;43.500  
p33=-69.500;43.865

p34=-69.607;44.000  
p35=-69.921;44.500  
p36=-69.982;45.000  
p37=-69.933;45.500  
p38=-69.824;46.000  
p39=-69.500;46.405  
p40=-69.421;46.500  
p41=-69.004;47.000  
p42=-69.000;47.004  
p43=-68.517;47.500  
p44=-68.500;47.515  
p45=-68.000;47.965  
p46=-67.958;48.000  
p47=-67.500;48.400  
p48=-67.359;48.500  
p49=-67.000;48.868  
p50=-66.771;49.000  
p51=-66.500;49.286  
p52=-66.000;49.363  
p53=-65.500;49.414  
p54=-65.000;49.448  
p55=-64.500;49.464  
p56=-64.000;49.488  
p57=-63.900;49.500  
p58=-63.500;49.550  
p59=-63.000;49.630  
p60=-62.500;49.711  
p61=-62.000;49.734  
p62=-61.500;49.650  
p63=-61.000;49.528

[C2]

gain=-4.00  
n\_point=87  
p1=-60.500;50.436  
p2=-60.140;50.000  
p3=-60.162;49.500  
p4=-60.267;49.000  
p5=-60.447;48.500  
p6=-60.421;48.000  
p7=-60.386;47.500  
p8=-60.154;47.000  
p9=-60.059;46.500  
p10=-60.500;46.187  
p11=-60.753;46.000  
p12=-61.000;45.817  
p13=-61.419;45.500  
p14=-61.500;45.445  
p15=-62.000;45.110  
p16=-62.142;45.000  
p17=-62.500;44.766  
p18=-62.858;44.500  
p19=-63.000;44.398  
p20=-63.491;44.000  
p21=-63.500;43.992  
p22=-64.000;43.604  
p23=-64.154;43.500

p24=-64.500;43.263  
p25=-64.956;43.000  
p26=-65.000;42.977  
p27=-65.500;42.723  
p28=-66.000;42.503  
p29=-66.008;42.500  
p30=-66.500;42.364  
p31=-67.000;42.232  
p32=-67.500;42.126  
p33=-68.000;42.052  
p34=-68.341;42.000  
p35=-68.500;41.976  
p36=-69.000;41.959  
p37=-69.500;41.961  
p38=-69.763;42.000  
p39=-70.000;42.050  
p40=-70.500;42.262  
p41=-70.808;42.500  
p42=-71.000;42.794  
p43=-71.121;43.000  
p44=-71.349;43.500  
p45=-71.436;44.000  
p46=-71.479;44.500  
p47=-71.392;45.000  
p48=-71.264;45.500  
p49=-71.062;46.000  
p50=-71.000;46.117  
p51=-70.754;46.500  
p52=-70.500;46.895  
p53=-70.430;47.000  
p54=-70.013;47.500  
p55=-70.000;47.514  
p56=-69.557;48.000  
p57=-69.500;48.062  
p58=-69.095;48.500  
p59=-69.000;48.597  
p60=-68.637;49.000  
p61=-68.500;49.146  
p62=-68.192;49.500  
p63=-68.000;49.705  
p64=-67.736;50.000  
p65=-67.500;50.194  
p66=-67.086;50.500  
p67=-67.000;50.570  
p68=-66.500;50.910  
p69=-66.364;51.000  
p70=-66.000;51.238  
p71=-65.609;51.500  
p72=-65.500;51.533  
p73=-65.000;51.699  
p74=-64.500;51.511  
p75=-64.490;51.500  
p76=-64.288;51.000  
p77=-64.000;50.767  
p78=-63.666;50.500  
p79=-63.500;50.432  
p80=-63.000;50.331

p81=-62.500;50.378  
p82=-62.000;50.452  
p83=-61.679;50.500  
p84=-61.500;50.518  
p85=-61.000;50.506  
p86=-60.920;50.500  
p87=-60.500;50.436

[C3]

gain=-6.00  
n\_point=109  
p1=-58.500;47.134  
p2=-58.464;47.000  
p3=-58.500;46.949  
p4=-58.790;46.500  
p5=-59.000;46.315  
p6=-59.388;46.000  
p7=-59.500;45.902  
p8=-60.000;45.519  
p9=-60.026;45.500  
p10=-60.500;45.192  
p11=-60.782;45.000  
p12=-61.000;44.857  
p13=-61.500;44.521  
p14=-61.530;44.500  
p15=-62.000;44.164  
p16=-62.233;44.000  
p17=-62.500;43.728  
p18=-62.743;43.500  
p19=-63.000;43.245  
p20=-63.280;43.000  
p21=-63.500;42.831  
p22=-64.000;42.501  
p23=-64.002;42.500  
p24=-64.500;42.223  
p25=-64.968;42.000  
p26=-65.000;41.985  
p27=-65.500;41.802  
p28=-66.000;41.642  
p29=-66.500;41.506  
p30=-66.527;41.500  
p31=-67.000;41.397  
p32=-67.500;41.285  
p33=-68.000;41.180  
p34=-68.500;41.103  
p35=-69.000;41.030  
p36=-69.500;41.004  
p37=-69.601;41.000  
p38=-70.000;40.987  
p39=-70.174;41.000  
p40=-70.500;41.032  
p41=-71.000;41.139  
p42=-71.500;41.376  
p43=-71.670;41.500  
p44=-72.000;41.811  
p45=-72.135;42.000  
p46=-72.345;42.500

p47=-72.498;43.000  
p48=-72.500;43.007  
p49=-72.575;43.500  
p50=-72.532;44.000  
p51=-72.500;44.321  
p52=-72.482;44.500  
p53=-72.344;45.000  
p54=-72.191;45.500  
p55=-72.000;45.979  
p56=-71.992;46.000  
p57=-71.730;46.500  
p58=-71.500;46.930  
p59=-71.461;47.000  
p60=-71.099;47.500  
p61=-71.000;47.630  
p62=-70.704;48.000  
p63=-70.500;48.245  
p64=-70.280;48.500  
p65=-70.000;48.774  
p66=-69.767;49.000  
p67=-69.500;49.257  
p68=-69.254;49.500  
p69=-69.000;49.725  
p70=-68.719;50.000  
p71=-68.500;50.165  
p72=-68.086;50.500  
p73=-68.000;50.569  
p74=-67.500;50.981  
p75=-67.477;51.000  
p76=-67.000;51.368  
p77=-66.845;51.500  
p78=-66.500;51.674  
p79=-66.000;51.878  
p80=-65.652;52.000  
p81=-65.500;52.051  
p82=-65.000;52.222  
p83=-64.500;52.383  
p84=-64.000;52.389  
p85=-63.555;52.000  
p86=-63.500;51.950  
p87=-63.231;51.500  
p88=-63.000;51.031  
p89=-62.974;51.000  
p90=-62.500;50.847  
p91=-62.000;50.893  
p92=-61.500;50.950  
p93=-61.076;51.000  
p94=-61.000;51.009  
p95=-60.500;51.024  
p96=-60.000;51.031  
p97=-59.500;51.033  
p98=-59.448;51.000  
p99=-59.377;50.500  
p100=-59.463;50.000  
p101=-59.482;49.500  
p102=-59.500;49.438  
p103=-59.672;49.000

p104=-59.763;48.500  
p105=-59.500;48.190  
p106=-59.020;48.000  
p107=-59.000;47.969  
p108=-58.698;47.500  
p109=-58.500;47.134

[C4]

gain=-8.00  
n\_point=119  
p1=-58.000;48.132  
p2=-57.516;48.000  
p3=-57.552;47.500  
p4=-57.576;47.000  
p5=-57.959;46.500  
p6=-58.000;46.453  
p7=-58.474;46.000  
p8=-58.500;45.971  
p9=-58.996;45.500  
p10=-59.000;45.496  
p11=-59.500;45.085  
p12=-59.612;45.000  
p13=-60.000;44.691  
p14=-60.271;44.500  
p15=-60.500;44.304  
p16=-60.904;44.000  
p17=-61.000;43.893  
p18=-61.346;43.500  
p19=-61.500;43.323  
p20=-61.781;43.000  
p21=-62.000;42.811  
p22=-62.376;42.500  
p23=-62.500;42.397  
p24=-63.000;42.029  
p25=-63.042;42.000  
p26=-63.500;41.738  
p27=-63.928;41.500  
p28=-64.000;41.471  
p29=-64.500;41.302  
p30=-65.000;41.147  
p31=-65.470;41.000  
p32=-65.500;40.991  
p33=-66.000;40.847  
p34=-66.500;40.699  
p35=-67.000;40.539  
p36=-67.154;40.500  
p37=-67.500;40.429  
p38=-68.000;40.328  
p39=-68.500;40.245  
p40=-69.000;40.207  
p41=-69.500;40.177  
p42=-70.000;40.201  
p43=-70.500;40.231  
p44=-71.000;40.311  
p45=-71.500;40.402  
p46=-71.786;40.500  
p47=-72.000;40.589

p48=-72.500;40.843  
p49=-72.690;41.000  
p50=-73.000;41.461  
p51=-73.023;41.500  
p52=-73.247;42.000  
p53=-73.348;42.500  
p54=-73.395;43.000  
p55=-73.407;43.500  
p56=-73.331;44.000  
p57=-73.248;44.500  
p58=-73.112;45.000  
p59=-73.000;45.347  
p60=-72.943;45.500  
p61=-72.756;46.000  
p62=-72.533;46.500  
p63=-72.500;46.577  
p64=-72.306;47.000  
p65=-72.006;47.500  
p66=-72.000;47.510  
p67=-71.689;48.000  
p68=-71.500;48.271  
p69=-71.321;48.500  
p70=-71.000;48.856  
p71=-70.854;49.000  
p72=-70.500;49.362  
p73=-70.358;49.500  
p74=-70.000;49.823  
p75=-69.800;50.000  
p76=-69.500;50.234  
p77=-69.134;50.500  
p78=-69.000;50.598  
p79=-68.500;50.943  
p80=-68.425;51.000  
p81=-68.000;51.262  
p82=-67.668;51.500  
p83=-67.500;51.580  
p84=-67.000;51.837  
p85=-66.665;52.000  
p86=-66.500;52.081  
p87=-66.000;52.315  
p88=-65.553;52.500  
p89=-65.500;52.523  
p90=-65.000;52.700  
p91=-64.500;52.878  
p92=-64.162;53.000  
p93=-64.000;53.031  
p94=-63.500;53.047  
p95=-63.360;53.000  
p96=-63.000;52.567  
p97=-62.939;52.500  
p98=-62.589;52.000  
p99=-62.500;51.714  
p100=-62.417;51.500  
p101=-62.000;51.309  
p102=-61.500;51.374  
p103=-61.000;51.440  
p104=-60.559;51.500

p105=-60.500;51.508  
p106=-60.000;51.544  
p107=-59.500;51.576  
p108=-59.000;51.608  
p109=-58.783;51.500  
p110=-58.679;51.000  
p111=-58.757;50.500  
p112=-58.919;50.000  
p113=-59.000;49.742  
p114=-59.106;49.500  
p115=-59.211;49.000  
p116=-59.104;48.500  
p117=-59.000;48.434  
p118=-58.500;48.248  
p119=-58.000;48.132

[C5]

gain=-10.00  
n\_point=131  
p1=-57.000;48.191  
p2=-56.596;48.000  
p3=-56.778;47.500  
p4=-56.943;47.000  
p5=-57.000;46.915  
p6=-57.324;46.500  
p7=-57.500;46.237  
p8=-57.705;46.000  
p9=-58.000;45.539  
p10=-58.034;45.500  
p11=-58.485;45.000  
p12=-58.500;44.979  
p13=-58.930;44.500  
p14=-59.000;44.425  
p15=-59.419;44.000  
p16=-59.500;43.923  
p17=-59.914;43.500  
p18=-60.000;43.415  
p19=-60.390;43.000  
p20=-60.500;42.905  
p21=-60.972;42.500  
p22=-61.000;42.476  
p23=-61.500;42.048  
p24=-61.557;42.000  
p25=-62.000;41.693  
p26=-62.294;41.500  
p27=-62.500;41.382  
p28=-63.000;41.132  
p29=-63.326;41.000  
p30=-63.500;40.925  
p31=-64.000;40.744  
p32=-64.500;40.584  
p33=-64.773;40.500  
p34=-65.000;40.430  
p35=-65.500;40.289  
p36=-66.000;40.163  
p37=-66.500;40.033  
p38=-66.616;40.000



p39=-67.000;39.899  
p40=-67.500;39.777  
p41=-68.000;39.677  
p42=-68.500;39.580  
p43=-69.000;39.536  
p44=-69.500;39.522  
p45=-70.000;39.535  
p46=-70.500;39.581  
p47=-71.000;39.634  
p48=-71.500;39.704  
p49=-72.000;39.791  
p50=-72.500;39.919  
p51=-72.729;40.000  
p52=-73.000;40.139  
p53=-73.467;40.500  
p54=-73.500;40.534  
p55=-73.825;41.000  
p56=-74.000;41.490  
p57=-74.003;41.500  
p58=-74.104;42.000  
p59=-74.137;42.500  
p60=-74.103;43.000  
p61=-74.037;43.500  
p62=-74.000;43.713  
p63=-73.949;44.000  
p64=-73.855;44.500  
p65=-73.713;45.000  
p66=-73.560;45.500  
p67=-73.500;45.708  
p68=-73.400;46.000  
p69=-73.196;46.500  
p70=-73.021;47.000  
p71=-73.000;47.052  
p72=-72.760;47.500  
p73=-72.523;48.000  
p74=-72.500;48.046  
p75=-72.209;48.500  
p76=-72.000;48.801  
p77=-71.837;49.000  
p78=-71.500;49.407  
p79=-71.417;49.500  
p80=-71.000;49.941  
p81=-70.939;50.000  
p82=-70.500;50.402  
p83=-70.378;50.500  
p84=-70.000;50.812  
p85=-69.746;51.000  
p86=-69.500;51.182  
p87=-69.000;51.490  
p88=-68.981;51.500  
p89=-68.500;51.742  
p90=-68.000;51.900  
p91=-67.580;52.000  
p92=-67.500;52.021  
p93=-67.000;52.268  
p94=-66.514;52.500  
p95=-66.500;52.506

p96=-66.000;52.742  
p97=-65.500;52.961  
p98=-65.402;53.000  
p99=-65.000;53.082  
p100=-64.500;53.176  
p101=-64.000;53.286  
p102=-63.500;53.391  
p103=-63.000;53.361  
p104=-62.500;53.103  
p105=-62.325;53.000  
p106=-62.016;52.500  
p107=-62.000;52.451  
p108=-61.855;52.000  
p109=-61.500;51.805  
p110=-61.000;51.878  
p111=-60.500;51.940  
p112=-60.094;52.000  
p113=-60.000;52.026  
p114=-59.500;52.158  
p115=-59.000;52.245  
p116=-58.500;52.304  
p117=-58.000;52.041  
p118=-57.985;52.000  
p119=-57.932;51.500  
p120=-58.000;51.125  
p121=-58.020;51.000  
p122=-58.372;50.500  
p123=-58.500;50.243  
p124=-58.650;50.000  
p125=-58.767;49.500  
p126=-58.759;49.000  
p127=-58.500;48.676  
p128=-58.122;48.500  
p129=-58.000;48.468  
p130=-57.500;48.346  
p131=-57.000;48.191

[C6]

gain=-15.00  
n\_point=195  
p1=-53.000;56.129  
p2=-52.674;56.000  
p3=-52.831;55.500  
p4=-53.000;55.044  
p5=-53.015;55.000  
p6=-53.453;54.500  
p7=-53.500;54.465  
p8=-54.000;54.189  
p9=-54.153;54.000  
p10=-54.500;53.833  
p11=-54.830;53.500  
p12=-55.000;53.399  
p13=-55.400;53.000  
p14=-55.500;52.933  
p15=-56.000;52.517  
p16=-56.016;52.500  
p17=-56.500;52.088

p18=-56.567;52.000  
p19=-57.000;51.552  
p20=-57.039;51.500  
p21=-57.495;51.000  
p22=-57.500;50.992  
p23=-57.870;50.500  
p24=-58.000;50.155  
p25=-58.077;50.000  
p26=-58.000;49.732  
p27=-57.827;49.500  
p28=-57.500;49.231  
p29=-57.061;49.000  
p30=-57.000;48.981  
p31=-56.500;48.899  
p32=-56.000;48.864  
p33=-55.500;48.736  
p34=-55.345;48.500  
p35=-55.500;48.115  
p36=-55.547;48.000  
p37=-55.761;47.500  
p38=-55.812;47.000  
p39=-55.955;46.500  
p40=-55.677;46.000  
p41=-55.500;45.777  
p42=-55.221;45.500  
p43=-55.223;45.000  
p44=-55.380;44.500  
p45=-55.500;44.393  
p46=-55.972;44.000  
p47=-56.000;43.975  
p48=-56.500;43.554  
p49=-56.565;43.500  
p50=-57.000;43.108  
p51=-57.123;43.000  
p52=-57.500;42.644  
p53=-57.655;42.500  
p54=-58.000;42.166  
p55=-58.176;42.000  
p56=-58.500;41.659  
p57=-58.649;41.500  
p58=-59.000;41.120  
p59=-59.114;41.000  
p60=-59.500;40.687  
p61=-59.745;40.500  
p62=-60.000;40.308  
p63=-60.468;40.000  
p64=-60.500;39.979  
p65=-61.000;39.692  
p66=-61.330;39.500  
p67=-61.500;39.415  
p68=-62.000;39.174  
p69=-62.420;39.000  
p70=-62.500;38.967  
p71=-63.000;38.763  
p72=-63.500;38.572  
p73=-63.797;38.500  
p74=-64.000;38.459

p75=-64.500;38.360  
p76=-65.000;38.310  
p77=-65.500;38.323  
p78=-66.000;38.343  
p79=-66.500;38.393  
p80=-67.000;38.432  
p81=-67.500;38.462  
p82=-68.000;38.477  
p83=-68.500;38.497  
p84=-68.638;38.500  
p85=-69.000;38.507  
p86=-69.316;38.500  
p87=-69.500;38.496  
p88=-70.000;38.481  
p89=-70.500;38.452  
p90=-71.000;38.403  
p91=-71.500;38.351  
p92=-72.000;38.306  
p93=-72.500;38.253  
p94=-73.000;38.209  
p95=-73.500;38.162  
p96=-74.000;38.110  
p97=-74.500;38.046  
p98=-75.000;38.036  
p99=-75.500;38.073  
p100=-76.000;38.488  
p101=-76.009;38.500  
p102=-76.222;39.000  
p103=-76.297;39.500  
p104=-76.277;40.000  
p105=-76.197;40.500  
p106=-76.073;41.000  
p107=-76.000;41.176  
p108=-75.893;41.500  
p109=-75.711;42.000  
p110=-75.554;42.500  
p111=-75.500;42.653  
p112=-75.390;43.000  
p113=-75.242;43.500  
p114=-75.108;44.000  
p115=-75.000;44.380  
p116=-74.966;44.500  
p117=-74.830;45.000  
p118=-74.692;45.500  
p119=-74.544;46.000  
p120=-74.500;46.200  
p121=-74.416;46.500  
p122=-74.267;47.000  
p123=-74.120;47.500  
p124=-74.000;47.936  
p125=-73.980;48.000  
p126=-73.836;48.500  
p127=-73.654;49.000  
p128=-73.526;49.500  
p129=-73.500;49.621  
p130=-73.399;50.000  
p131=-73.324;50.500

p132=-73.414;51.000  
p133=-73.235;51.500  
p134=-73.095;52.000  
p135=-73.000;52.254  
p136=-72.878;52.500  
p137=-72.500;52.832  
p138=-72.261;53.000  
p139=-72.000;53.173  
p140=-71.513;53.500  
p141=-71.500;53.508  
p142=-71.000;53.848  
p143=-70.784;54.000  
p144=-70.500;54.113  
p145=-70.000;54.372  
p146=-69.791;54.500  
p147=-69.500;54.631  
p148=-69.000;54.836  
p149=-68.551;55.000  
p150=-68.500;55.019  
p151=-68.000;55.132  
p152=-67.590;55.000  
p153=-67.500;54.965  
p154=-67.000;54.788  
p155=-66.857;54.500  
p156=-66.983;54.000  
p157=-66.650;53.500  
p158=-66.500;53.457  
p159=-66.000;53.483  
p160=-65.903;53.500  
p161=-65.500;53.575  
p162=-65.000;53.656  
p163=-64.500;53.734  
p164=-64.000;53.832  
p165=-63.500;53.942  
p166=-63.238;54.000  
p167=-63.000;54.053  
p168=-62.500;54.078  
p169=-62.127;54.000  
p170=-62.000;53.967  
p171=-61.500;53.841  
p172=-61.000;53.721  
p173=-60.500;53.600  
p174=-60.161;53.500  
p175=-60.000;53.440  
p176=-59.877;53.500  
p177=-59.500;53.596  
p178=-59.000;53.744  
p179=-58.500;53.937  
p180=-58.361;54.000  
p181=-58.000;54.121  
p182=-57.500;54.277  
p183=-57.000;54.475  
p184=-56.923;54.500  
p185=-56.500;54.608  
p186=-56.000;54.765  
p187=-55.500;54.982  
p188=-55.465;55.000

p189=-55.000;55.172  
p190=-54.500;55.394  
p191=-54.364;55.500  
p192=-54.000;55.709  
p193=-53.500;55.931  
p194=-53.381;56.000  
p195=-53.000;56.129

[C7]

gain=-15.00  
n\_point=5  
p1=-52.500;56.553  
p2=-52.361;56.500  
p3=-52.500;56.250  
p4=-52.579;56.500  
p5=-52.500;56.553

[C8]

gain=-20.00  
n\_point=273  
p1=-48.000;58.418  
p2=-47.612;58.000  
p3=-48.000;57.841  
p4=-48.375;57.500  
p5=-48.500;57.438  
p6=-49.000;57.203  
p7=-49.193;57.000  
p8=-49.500;56.835  
p9=-49.998;56.500  
p10=-50.000;56.499  
p11=-50.500;56.210  
p12=-50.770;56.000  
p13=-51.000;55.818  
p14=-51.453;55.500  
p15=-51.500;55.456  
p16=-52.000;55.045  
p17=-52.063;55.000  
p18=-52.500;54.566  
p19=-52.579;54.500  
p20=-53.000;54.237  
p21=-53.308;54.000  
p22=-53.500;53.912  
p23=-54.000;53.625  
p24=-54.171;53.500  
p25=-54.500;53.315  
p26=-54.935;53.000  
p27=-55.000;52.961  
p28=-55.500;52.617  
p29=-55.637;52.500  
p30=-56.000;52.159  
p31=-56.167;52.000  
p32=-56.500;51.668  
p33=-56.666;51.500  
p34=-57.000;51.152  
p35=-57.144;51.000  
p36=-57.451;50.500  
p37=-57.477;50.000

p38=-57.000;49.817  
p39=-56.500;49.780  
p40=-56.054;49.500  
p41=-56.000;49.489  
p42=-55.771;49.500  
p43=-55.500;49.570  
p44=-55.000;49.567  
p45=-54.517;49.500  
p46=-54.562;49.000  
p47=-54.572;48.500  
p48=-54.669;48.000  
p49=-54.500;47.563  
p50=-54.460;47.500  
p51=-54.500;47.371  
p52=-54.589;47.000  
p53=-54.500;46.871  
p54=-54.000;46.642  
p55=-53.500;46.597  
p56=-53.000;46.525  
p57=-52.961;46.500  
p58=-52.756;46.000  
p59=-53.000;45.521  
p60=-53.011;45.500  
p61=-53.230;45.000  
p62=-53.500;44.548  
p63=-53.529;44.500  
p64=-53.892;44.000  
p65=-54.000;43.792  
p66=-54.186;43.500  
p67=-54.500;43.134  
p68=-54.621;43.000  
p69=-55.000;42.541  
p70=-55.036;42.500  
p71=-55.500;42.035  
p72=-55.535;42.000  
p73=-56.000;41.577  
p74=-56.085;41.500  
p75=-56.500;41.120  
p76=-56.629;41.000  
p77=-57.000;40.683  
p78=-57.222;40.500  
p79=-57.500;40.268  
p80=-57.819;40.000  
p81=-58.000;39.848  
p82=-58.430;39.500  
p83=-58.500;39.442  
p84=-59.000;39.051  
p85=-59.069;39.000  
p86=-59.500;38.686  
p87=-59.783;38.500  
p88=-60.000;38.360  
p89=-60.500;38.066  
p90=-60.614;38.000  
p91=-61.000;37.788  
p92=-61.500;37.508  
p93=-61.517;37.500  
p94=-62.000;37.325

p95=-62.500;37.169  
p96=-63.000;37.003  
p97=-63.009;37.000  
p98=-63.500;36.841  
p99=-64.000;36.655  
p100=-64.356;36.500  
p101=-64.500;36.450  
p102=-65.000;36.315  
p103=-65.500;36.178  
p104=-66.000;36.056  
p105=-66.500;36.174  
p106=-67.000;36.400  
p107=-67.086;36.500  
p108=-67.500;36.819  
p109=-67.781;37.000  
p110=-68.000;37.108  
p111=-68.500;37.313  
p112=-68.831;37.500  
p113=-69.000;37.576  
p114=-69.500;37.721  
p115=-70.000;37.746  
p116=-70.500;37.750  
p117=-71.000;37.647  
p118=-71.409;37.500  
p119=-71.500;37.466  
p120=-72.000;37.269  
p121=-72.500;37.053  
p122=-72.608;37.000  
p123=-73.000;36.700  
p124=-73.295;36.500  
p125=-73.500;36.325  
p126=-73.861;36.000  
p127=-74.000;35.891  
p128=-74.500;35.550  
p129=-74.638;35.500  
p130=-75.000;35.390  
p131=-75.500;35.268  
p132=-76.000;35.278  
p133=-76.500;35.307  
p134=-77.000;35.407  
p135=-77.355;35.500  
p136=-77.500;35.546  
p137=-78.000;35.778  
p138=-78.333;36.000  
p139=-78.500;36.136  
p140=-78.901;36.500  
p141=-79.000;36.632  
p142=-79.207;37.000  
p143=-79.463;37.500  
p144=-79.500;37.612  
p145=-79.603;38.000  
p146=-79.695;38.500  
p147=-79.696;39.000  
p148=-79.666;39.500  
p149=-79.557;40.000  
p150=-79.500;40.162  
p151=-79.363;40.500



p152=-79.045;41.000  
p153=-79.000;41.044  
p154=-78.500;41.405  
p155=-78.325;41.500  
p156=-78.000;41.664  
p157=-77.500;41.904  
p158=-77.405;42.000  
p159=-77.000;42.277  
p160=-76.798;42.500  
p161=-76.500;42.868  
p162=-76.417;43.000  
p163=-76.130;43.500  
p164=-76.000;43.743  
p165=-75.880;44.000  
p166=-75.688;44.500  
p167=-75.555;45.000  
p168=-75.500;45.227  
p169=-75.426;45.500  
p170=-75.344;46.000  
p171=-75.318;46.500  
p172=-75.352;47.000  
p173=-75.500;47.415  
p174=-75.796;47.500  
p175=-76.000;47.547  
p176=-76.500;47.666  
p177=-77.000;47.735  
p178=-77.500;47.873  
p179=-77.649;48.000  
p180=-77.779;48.500  
p181=-77.926;49.000  
p182=-78.000;49.347  
p183=-78.013;49.500  
p184=-78.000;49.565  
p185=-77.820;50.000  
p186=-77.632;50.500  
p187=-77.501;51.000  
p188=-77.500;51.002  
p189=-77.012;51.500  
p190=-77.000;51.521  
p191=-76.600;52.000  
p192=-76.500;52.102  
p193=-76.164;52.500  
p194=-76.000;52.660  
p195=-75.695;53.000  
p196=-75.500;53.215  
p197=-75.269;53.500  
p198=-75.000;53.806  
p199=-74.848;54.000  
p200=-74.500;54.308  
p201=-74.272;54.500  
p202=-74.000;54.734  
p203=-73.662;55.000  
p204=-73.500;55.128  
p205=-73.000;55.497  
p206=-72.996;55.500  
p207=-72.500;55.774  
p208=-72.079;56.000

p209=-72.000;56.036  
p210=-71.500;56.164  
p211=-71.000;56.271  
p212=-70.500;56.375  
p213=-70.000;56.473  
p214=-69.811;56.500  
p215=-69.500;56.547  
p216=-69.000;56.620  
p217=-68.500;56.690  
p218=-68.000;56.755  
p219=-67.500;56.800  
p220=-67.000;56.844  
p221=-66.500;56.840  
p222=-66.000;56.680  
p223=-65.517;56.500  
p224=-65.511;56.000  
p225=-65.692;55.500  
p226=-65.767;55.000  
p227=-65.670;54.500  
p228=-65.500;54.370  
p229=-65.000;54.330  
p230=-64.500;54.323  
p231=-64.000;54.346  
p232=-63.500;54.442  
p233=-63.248;54.500  
p234=-63.000;54.575  
p235=-62.500;54.706  
p236=-62.000;54.765  
p237=-61.500;54.685  
p238=-61.000;54.538  
p239=-60.846;54.500  
p240=-60.500;54.421  
p241=-60.000;54.331  
p242=-59.500;54.231  
p243=-59.000;54.293  
p244=-58.500;54.452  
p245=-58.378;54.500  
p246=-58.000;54.635  
p247=-57.500;54.830  
p248=-57.106;55.000  
p249=-57.000;55.047  
p250=-56.500;55.256  
p251=-56.000;55.471  
p252=-55.936;55.500  
p253=-55.500;55.908  
p254=-55.388;56.000  
p255=-55.000;56.374  
p256=-54.887;56.500  
p257=-54.500;56.863  
p258=-54.347;57.000  
p259=-54.000;57.236  
p260=-53.683;57.500  
p261=-53.500;57.566  
p262=-53.000;57.719  
p263=-52.500;57.831  
p264=-52.000;57.998  
p265=-51.992;58.000

p266=-51.500;58.073  
p267=-51.000;58.159  
p268=-50.500;58.236  
p269=-50.000;58.311  
p270=-49.500;58.353  
p271=-49.000;58.414  
p272=-48.500;58.431  
p273=-48.000;58.418

[C9]

gain=-20.00  
n\_point=7  
p1=-40.000;63.016  
p2=-39.943;63.000  
p3=-40.000;62.991  
p4=-40.500;62.995  
p5=-40.570;63.000  
p6=-40.500;63.005  
p7=-40.000;63.016

[C10]

gain=-20.00  
n\_point=5  
p1=-54.500;51.071  
p2=-54.320;51.000  
p3=-54.500;50.837  
p4=-54.608;51.000  
p5=-54.500;51.071

[C11]

gain=-20.00  
n\_point=5  
p1=-55.000;50.522  
p2=-54.962;50.500  
p3=-55.000;50.457  
p4=-55.047;50.500  
p5=-55.000;50.522