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sat_name=SkyTerra-1
long_nom=-95.000
n_diag=1

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emi_rcp=E
polar_disc=C
reason=C
n_bore=1
n_cont=9

[B1]
gain=0.00
p=-110.825;36.412

[C1]
gain=-2
n_point=39
p1=-111.055;40.353
p2=-110.207;40.041
p3=-109.295;39.522
p4=-109.233;39.476
p5=-108.330;38.650
p6=-108.326;38.645
p7=-107.767;37.849
p8=-107.391;37.068
p9=-107.183;36.303
p10=-107.134;35.553
p11=-107.241;34.818
p12=-107.461;34.215
p13=-107.521;34.098
p14=-108.033;33.450
p15=-108.099;33.394
p16=-108.661;33.035
p17=-109.322;32.805
p18=-110.014;32.739
p19=-110.742;32.834
p20=-111.513;33.094
p21=-112.316;33.521
p22=-112.338;33.535
p23=-113.225;34.274
p24=-113.269;34.321
p25=-113.847;35.029
p26=-114.314;35.789
p27=-114.635;36.555
p28=-114.808;37.326
p29=-114.822;38.103
p30=-114.662;38.884
p31=-114.638;38.943
p32=-114.177;39.665
p33=-114.101;39.747

p34=-113.441;40.196
p35=-112.780;40.421
p36=-112.711;40.440
p37=-111.920;40.483
p38=-111.086;40.363
p39=-111.055;40.353

[C2]

gain=-4

n_point=55

p1=-111.552;42.045
p2=-110.693;41.811
p3=-109.779;41.430
p4=-109.215;41.115
p5=-108.842;40.880
p6=-108.036;40.250
p7=-107.878;40.104
p8=-107.238;39.415
p9=-106.865;38.915
p10=-106.654;38.602
p11=-106.240;37.808
p12=-105.953;37.031
p13=-105.784;36.268
p14=-105.724;35.519
p15=-105.771;34.783
p16=-105.929;34.060
p17=-105.997;33.875
p18=-106.231;33.349
p19=-106.539;32.862
p20=-106.709;32.651
p21=-107.133;32.235
p22=-107.504;31.969
p23=-107.754;31.816
p24=-108.398;31.549
p25=-109.061;31.400
p26=-109.746;31.361
p27=-110.454;31.430
p28=-111.191;31.610
p29=-111.962;31.910
p30=-112.338;32.106
p31=-112.780;32.364
p32=-113.453;32.848
p33=-113.667;33.026
p34=-114.261;33.591
p35=-114.687;34.073
p36=-114.904;34.338
p37=-115.416;35.092
p38=-115.828;35.852
p39=-116.143;36.620
p40=-116.359;37.395
p41=-116.469;38.177
p42=-116.463;38.967
p43=-116.401;39.351
p44=-116.304;39.762
p45=-115.997;40.477
p46=-115.946;40.562
p47=-115.430;41.187

p48=-115.220;41.359
p49=-114.771;41.666
p50=-114.044;41.973
p51=-113.337;42.120
p52=-113.265;42.134
p53=-112.441;42.157
p54=-111.582;42.053
p55=-111.552;42.045

[C3]

gain=-6
n_point=69
p1=-110.393;42.862
p2=-110.149;42.773
p3=-109.205;42.314
p4=-108.591;41.937
p5=-108.245;41.703
p6=-107.451;41.058
p7=-107.269;40.888
p8=-106.628;40.209
p9=-106.263;39.744
p10=-106.002;39.382
p11=-105.530;38.574
p12=-105.179;37.783
p13=-105.161;37.728
p14=-104.935;37.007
p15=-104.786;36.246
p16=-104.726;35.498
p17=-104.746;34.943
p18=-104.754;34.762
p19=-104.875;34.037
p20=-105.093;33.325
p21=-105.191;33.102
p22=-105.434;32.623
p23=-105.748;32.156
p24=-105.929;31.933
p25=-106.340;31.519
p26=-106.674;31.257
p27=-106.953;31.065
p28=-107.583;30.747
p29=-108.011;30.603
p30=-108.229;30.535
p31=-108.890;30.418
p32=-109.568;30.390
p33=-110.265;30.448
p34=-110.984;30.594
p35=-111.287;30.691
p36=-111.730;30.838
p37=-112.510;31.192
p38=-112.927;31.430
p39=-113.334;31.683
p40=-113.987;32.163
p41=-114.224;32.359
p42=-114.808;32.898
p43=-115.225;33.342
p44=-115.487;33.638
p45=-116.053;34.385

p46=-116.521;35.121
p47=-116.532;35.139
p48=-116.929;35.900
p49=-117.249;36.670
p50=-117.490;37.447
p51=-117.648;38.233
p52=-117.658;38.349
p53=-117.711;39.027
p54=-117.665;39.829
p55=-117.581;40.253
p56=-117.480;40.638
p57=-117.179;41.339
p58=-117.114;41.453
p59=-116.633;42.092
p60=-116.447;42.268
p61=-115.994;42.636
p62=-115.286;43.021
p63=-115.147;43.069
p64=-114.521;43.269
p65=-113.710;43.395
p66=-112.861;43.407
p67=-111.981;43.309
p68=-111.075;43.100
p69=-110.393;42.862

[C4]

gain=-8
n_point=77
p1=-110.228;43.736
p2=-109.504;43.422
p3=-108.537;42.886
p4=-108.393;42.790
p5=-107.560;42.195
p6=-107.198;41.893
p7=-106.570;41.302
p8=-106.308;41.026
p9=-105.622;40.182
p10=-105.562;40.095
p11=-105.087;39.359
p12=-104.674;38.554
p13=-104.472;38.046
p14=-104.363;37.765
p15=-104.143;36.991
p16=-104.008;36.230
p17=-103.952;35.482
p18=-103.973;34.746
p19=-103.995;34.582
p20=-104.072;34.022
p21=-104.253;33.308
p22=-104.460;32.770
p23=-104.530;32.606
p24=-104.920;31.913
p25=-105.016;31.776
p26=-105.464;31.232
p27=-105.603;31.088
p28=-106.209;30.583
p29=-106.238;30.564

p30=-106.828;30.210
p31=-107.461;29.941
p32=-107.553;29.915
p33=-108.106;29.760
p34=-108.764;29.660
p35=-109.436;29.636
p36=-110.125;29.688
p37=-110.833;29.818
p38=-111.520;30.018
p39=-111.564;30.031
p40=-112.322;30.334
p41=-113.114;30.743
p42=-113.123;30.748
p43=-113.954;31.287
p44=-114.204;31.474
p45=-114.862;32.015
p46=-115.070;32.202
p47=-115.793;32.936
p48=-115.883;33.040
p49=-116.412;33.676
p50=-116.946;34.423
p51=-117.201;34.840
p52=-117.408;35.178
p53=-117.802;35.940
p54=-118.130;36.711
p55=-118.389;37.491
p56=-118.576;38.279
p57=-118.639;38.746
p58=-118.684;39.077
p59=-118.702;39.883
p60=-118.613;40.691
p61=-118.612;40.698
p62=-118.384;41.520
p63=-118.251;41.833
p64=-117.969;42.348
p65=-117.747;42.668
p66=-117.269;43.178
p67=-117.144;43.294
p68=-116.463;43.760
p69=-115.951;43.993
p70=-115.722;44.093
p71=-114.929;44.310
p72=-114.094;44.418
p73=-113.223;44.422
p74=-112.324;44.328
p75=-111.402;44.133
p76=-110.460;43.833
p77=-110.228;43.736

[C5]

gain=-10
n_point=85
p1=-110.584;44.649
p2=-109.762;44.326
p3=-108.784;43.832
p4=-108.522;43.674
p5=-107.800;43.210

p6=-107.198;42.752
p7=-106.808;42.427
p8=-106.215;41.865
p9=-105.809;41.427
p10=-105.449;41.003
p11=-104.845;40.163
p12=-104.794;40.080
p13=-104.362;39.343
p14=-103.988;38.539
p15=-103.707;37.752
p16=-103.681;37.652
p17=-103.504;36.978
p18=-103.379;36.218
p19=-103.327;35.471
p20=-103.340;34.959
p21=-103.345;34.735
p22=-103.429;34.010
p23=-103.589;33.297
p24=-103.774;32.754
p25=-103.832;32.593
p26=-104.166;31.899
p27=-104.323;31.643
p28=-104.619;31.216
p29=-104.904;30.874
p30=-105.230;30.544
p31=-105.502;30.301
p32=-106.088;29.884
p33=-106.113;29.868
p34=-106.734;29.538
p35=-107.367;29.301
p36=-107.590;29.245
p37=-108.010;29.139
p38=-108.665;29.048
p39=-109.333;29.028
p40=-110.016;29.076
p41=-110.716;29.195
p42=-111.244;29.338
p43=-111.436;29.389
p44=-112.180;29.659
p45=-112.953;30.024
p46=-113.026;30.065
p47=-113.764;30.495
p48=-114.189;30.784
p49=-114.627;31.106
p50=-115.117;31.507
p51=-115.565;31.913
p52=-115.897;32.234
p53=-116.567;32.967
p54=-116.633;33.049
p55=-117.157;33.707
p56=-117.673;34.455
p57=-118.082;35.142
p58=-118.123;35.210
p59=-118.519;35.974
p60=-118.855;36.747
p61=-119.129;37.528
p62=-119.336;38.319

p63=-119.365;38.491
p64=-119.478;39.119
p65=-119.541;39.928
p66=-119.507;40.747
p67=-119.505;40.761
p68=-119.367;41.575
p69=-119.221;42.043
p70=-119.080;42.410
p71=-118.776;42.984
p72=-118.593;43.251
p73=-118.220;43.705
p74=-117.786;44.092
p75=-117.579;44.260
p76=-116.869;44.680
p77=-116.267;44.915
p78=-116.101;44.979
p79=-115.287;45.177
p80=-114.432;45.272
p81=-113.542;45.271
p82=-112.626;45.178
p83=-111.687;44.991
p84=-110.730;44.706
p85=-110.584;44.649

[C6]

gain=-15
n_point=97
p1=-112.233;46.588
p2=-111.272;46.343
p3=-110.275;46.003
p4=-109.268;45.558
p5=-109.189;45.517
p6=-108.262;45.025
p7=-107.508;44.538
p8=-107.252;44.364
p9=-106.292;43.603
p10=-106.243;43.562
p11=-105.349;42.701
p12=-105.236;42.578
p13=-104.591;41.823
p14=-104.228;41.325
p15=-103.977;40.969
p16=-103.477;40.134
p17=-103.200;39.569
p18=-103.075;39.317
p19=-102.751;38.516
p20=-102.509;37.730
p21=-102.338;36.958
p22=-102.232;36.199
p23=-102.185;35.452
p24=-102.198;34.716
p25=-102.272;33.992
p26=-102.412;33.278
p27=-102.450;33.142
p28=-102.606;32.573
p29=-102.877;31.878
p30=-102.980;31.670

p31=-103.227;31.193
p32=-103.549;30.697
p33=-103.678;30.517
p34=-104.135;29.973
p35=-104.255;29.850
p36=-104.732;29.410
p37=-105.019;29.194
p38=-105.338;28.966
p39=-105.953;28.622
p40=-106.116;28.551
p41=-106.575;28.350
p42=-107.206;28.152
p43=-107.846;28.021
p44=-108.496;27.951
p45=-108.649;27.947
p46=-109.156;27.934
p47=-109.781;27.974
p48=-109.829;27.977
p49=-110.515;28.076
p50=-111.218;28.235
p51=-111.940;28.465
p52=-112.532;28.709
p53=-112.686;28.772
p54=-113.459;29.151
p55=-113.917;29.419
p56=-114.268;29.632
p57=-114.987;30.130
p58=-115.123;30.231
p59=-115.882;30.845
p60=-116.042;30.988
p61=-116.660;31.566
p62=-117.063;31.990
p63=-117.346;32.292
p64=-117.958;33.026
p65=-118.287;33.473
p66=-118.507;33.767
p67=-119.008;34.516
p68=-119.453;35.273
p69=-119.848;36.039
p70=-120.197;36.815
p71=-120.499;37.600
p72=-120.751;38.394
p73=-120.944;39.199
p74=-121.070;40.014
p75=-121.096;40.438
p76=-121.127;40.839
p77=-121.106;41.675
p78=-121.043;42.124
p79=-120.981;42.521
p80=-120.750;43.318
p81=-120.730;43.377
p82=-120.312;44.240
p83=-120.312;44.241
p84=-119.769;44.978
p85=-119.640;45.108
p86=-119.142;45.570
p87=-118.528;45.970

p88=-118.439;46.028
p89=-117.681;46.390
p90=-116.866;46.641
p91=-116.087;46.782
p92=-116.005;46.798
p93=-115.111;46.878
p94=-114.185;46.870
p95=-113.231;46.775
p96=-112.256;46.594
p97=-112.233;46.588

[C7]

gain=-20
n_point=167
p1=-111.925;55.326
p2=-110.665;54.805
p3=-109.387;54.302
p4=-108.435;53.918
p5=-108.141;53.765
p6=-106.902;53.114
p7=-105.983;52.638
p8=-105.713;52.466
p9=-104.539;51.694
p10=-104.186;51.445
p11=-103.390;50.795
p12=-102.834;50.315
p13=-102.271;49.764
p14=-101.775;49.235
p15=-101.185;48.555
p16=-100.904;48.196
p17=-100.144;47.200
p18=-100.138;47.191
p19=-99.549;46.218
p20=-99.146;45.614
p21=-98.957;45.272
p22=-98.459;44.350
p23=-98.207;43.918
p24=-97.999;43.452
p25=-97.625;42.575
p26=-97.317;41.895
p27=-97.257;41.716
p28=-97.022;40.876
p29=-96.813;40.052
p30=-96.620;39.243
p31=-96.459;38.527
p32=-96.448;38.449
p33=-96.366;37.668
p34=-96.310;36.900
p35=-96.281;36.144
p36=-96.280;35.399
p37=-96.309;34.664
p38=-96.364;33.950
p39=-96.366;33.939
p40=-96.517;33.224
p41=-96.668;32.519
p42=-96.818;31.821
p43=-96.971;31.132

p44=-96.973;31.125
p45=-97.232;30.451
p46=-97.455;29.777
p47=-97.578;29.439
p48=-97.738;29.111
p49=-98.047;28.452
p50=-98.179;28.191
p51=-98.422;27.799
p52=-98.776;27.201
p53=-98.811;27.153
p54=-99.294;26.513
p55=-99.371;26.415
p56=-99.848;25.880
p57=-99.965;25.755
p58=-100.479;25.253
p59=-100.557;25.183
p60=-101.149;24.697
p61=-101.231;24.633
p62=-101.743;24.297
p63=-102.134;24.019
p64=-102.334;23.905
p65=-102.928;23.582
p66=-103.207;23.413
p67=-103.522;23.280
p68=-104.118;23.037
p69=-104.614;22.818
p70=-104.714;22.788
p71=-105.318;22.639
p72=-105.924;22.508
p73=-106.532;22.397
p74=-107.144;22.312
p75=-107.761;22.260
p76=-107.889;22.258
p77=-108.386;22.257
p78=-108.892;22.276
p79=-109.016;22.283
p80=-109.656;22.356
p81=-110.304;22.461
p82=-110.959;22.590
p83=-111.622;22.740
p84=-112.294;22.908
p85=-112.492;22.966
p86=-112.987;23.168
p87=-113.690;23.445
p88=-114.139;23.627
p89=-114.412;23.774
p90=-115.152;24.153
p91=-115.410;24.287
p92=-115.920;24.604
p93=-116.521;24.950
p94=-116.706;25.074
p95=-117.518;25.592
p96=-117.558;25.619
p97=-118.369;26.195
p98=-118.503;26.293
p99=-119.257;26.854
p100=-119.408;26.974

p101=-120.194;27.597
p102=-120.268;27.661
p103=-121.038;28.353
p104=-121.215;28.508
p105=-121.742;29.050
p106=-122.360;29.657
p107=-122.449;29.757
p108=-123.038;30.466
p109=-123.677;31.186
p110=-123.744;31.262
p111=-124.221;31.911
p112=-124.764;32.646
p113=-125.331;33.391
p114=-125.694;33.864
p115=-125.883;34.146
p116=-126.373;34.908
p117=-126.856;35.681
p118=-127.330;36.465
p119=-127.796;37.260
p120=-128.255;38.068
p121=-128.711;38.889
p122=-129.169;39.724
p123=-129.630;40.575
p124=-129.899;41.087
p125=-130.051;41.438
p126=-130.417;42.314
p127=-130.805;43.210
p128=-131.210;44.126
p129=-131.231;44.178
p130=-131.446;45.048
p131=-131.774;46.000
p132=-131.816;46.137
p133=-131.938;46.960
p134=-132.146;47.731
p135=-132.159;47.950
p136=-132.318;48.962
p137=-132.347;49.146
p138=-132.383;49.994
p139=-132.410;50.397
p140=-132.402;51.054
p141=-132.366;51.530
p142=-132.302;52.137
p143=-132.187;52.532
p144=-131.993;53.239
p145=-131.884;53.425
p146=-131.403;54.166
p147=-131.296;54.346
p148=-130.756;54.771
p149=-130.097;55.374
p150=-130.015;55.444
p151=-129.207;55.781
p152=-128.282;56.161
p153=-127.555;56.484
p154=-127.344;56.534
p155=-126.205;56.718
p156=-125.036;56.865
p157=-123.839;56.976

p158=-122.614;57.042
p159=-121.353;57.051
p160=-120.052;56.990
p161=-118.717;56.852
p162=-117.359;56.642
p163=-115.997;56.374
p164=-114.646;56.063
p165=-113.316;55.721
p166=-112.012;55.355
p167=-111.925;55.326

[C8]

gain=-20
n_point=145
p1=-115.517;53.086
p2=-115.154;53.039
p3=-113.993;52.842
p4=-112.825;52.583
p5=-111.641;52.231
p6=-110.419;51.702
p7=-110.355;51.669
p8=-109.276;51.283
p9=-108.108;50.688
p10=-107.756;50.463
p11=-106.972;50.063
p12=-105.935;49.340
p13=-105.834;49.277
p14=-104.745;48.498
p15=-104.476;48.273
p16=-103.677;47.602
p17=-103.293;47.249
p18=-102.633;46.572
p19=-102.328;46.263
p20=-101.612;45.358
p21=-101.568;45.308
p22=-100.854;44.380
p23=-100.629;43.990
p24=-100.261;43.476
p25=-99.804;42.595
p26=-99.672;42.285
p27=-99.341;41.733
p28=-98.984;40.890
p29=-98.746;40.107
p30=-98.724;40.065
p31=-98.391;39.254
p32=-98.188;38.458
p33=-98.058;37.677
p34=-97.976;36.908
p35=-97.932;36.151
p36=-97.920;35.406
p37=-97.941;34.671
p38=-98.000;33.947
p39=-98.115;33.232
p40=-98.336;32.527
p41=-98.347;32.502
p42=-98.482;31.830
p43=-98.718;31.142

p44=-98.931;30.759
p45=-99.034;30.462
p46=-99.366;29.789
p47=-99.523;29.560
p48=-99.744;29.124
p49=-100.116;28.603
p50=-100.200;28.467
p51=-100.695;27.817
p52=-100.708;27.801
p53=-101.207;27.173
p54=-101.297;27.070
p55=-101.815;26.536
p56=-101.887;26.460
p57=-102.480;25.946
p58=-102.537;25.907
p59=-103.071;25.477
p60=-103.440;25.285
p61=-103.670;25.126
p62=-104.271;24.835
p63=-104.799;24.676
p64=-104.880;24.637
p65=-105.485;24.408
p66=-106.099;24.271
p67=-106.719;24.182
p68=-107.344;24.127
p69=-107.858;24.104
p70=-107.973;24.091
p71=-108.607;24.072
p72=-109.249;24.104
p73=-109.493;24.137
p74=-109.900;24.168
p75=-110.557;24.248
p76=-111.223;24.366
p77=-111.904;24.539
p78=-112.608;24.810
p79=-112.670;24.838
p80=-113.312;25.038
p81=-114.043;25.360
p82=-114.324;25.517
p83=-114.792;25.723
p84=-115.562;26.194
p85=-115.577;26.202
p86=-116.377;26.676
p87=-116.649;26.874
p88=-117.227;27.284
p89=-117.573;27.558
p90=-118.133;28.027
p91=-118.391;28.247
p92=-119.111;28.940
p93=-119.121;28.949
p94=-119.869;29.643
p95=-120.188;29.999
p96=-120.555;30.352
p97=-121.179;31.067
p98=-121.424;31.386
p99=-121.811;31.791
p100=-122.392;32.523

p101=-122.890;33.260
p102=-123.031;33.486
p103=-123.449;34.011
p104=-123.969;34.770
p105=-124.442;35.538
p106=-124.887;36.315
p107=-125.315;37.104
p108=-125.724;37.904
p109=-126.111;38.715
p110=-126.462;39.538
p111=-126.752;40.371
p112=-126.890;40.989
p113=-126.982;41.216
p114=-127.300;42.083
p115=-127.533;42.961
p116=-127.599;43.530
p117=-127.699;43.852
p118=-127.929;44.767
p119=-127.961;45.434
p120=-128.014;45.693
p121=-128.104;46.640
p122=-128.075;46.948
p123=-128.075;47.603
p124=-127.955;48.147
p125=-127.850;48.575
p126=-127.646;49.112
p127=-127.389;49.556
p128=-127.193;49.912
p129=-126.576;50.528
p130=-126.566;50.537
p131=-126.006;51.209
p132=-125.453;51.528
p133=-125.278;51.712
p134=-124.535;52.208
p135=-123.643;52.500
p136=-123.629;52.511
p137=-122.826;52.949
p138=-121.860;53.184
p139=-120.813;53.308
p140=-119.721;53.358
p141=-119.649;53.357
p142=-118.654;53.433
p143=-117.525;53.394
p144=-116.350;53.255
p145=-115.517;53.086

[C9]

gain=-20
n_point=105
p1=-112.240;47.560
p2=-111.656;47.422
p3=-110.638;47.104
p4=-109.610;46.690
p5=-109.138;46.459
p6=-108.582;46.189
p7=-107.554;45.581
p8=-107.366;45.453

p9=-106.532;44.861
p10=-106.083;44.495
p11=-105.513;43.990
p12=-105.083;43.571
p13=-104.500;42.932
p14=-104.279;42.674
p15=-103.621;41.802
p16=-103.492;41.605
p17=-103.068;40.950
p18=-102.624;40.117
p19=-102.474;39.778
p20=-102.256;39.302
p21=-101.962;38.502
p22=-101.743;37.718
p23=-101.589;36.946
p24=-101.493;36.188
p25=-101.452;35.441
p26=-101.465;34.706
p27=-101.533;33.981
p28=-101.661;33.267
p29=-101.749;32.937
p30=-101.842;32.562
p31=-102.081;31.867
p32=-102.286;31.417
p33=-102.395;31.180
p34=-102.786;30.503
p35=-102.856;30.399
p36=-103.268;29.834
p37=-103.440;29.630
p38=-103.878;29.175
p39=-104.034;29.026
p40=-104.636;28.547
p41=-104.669;28.525
p42=-105.244;28.151
p43=-105.782;27.888
p44=-105.859;27.850
p45=-106.480;27.602
p46=-107.109;27.427
p47=-107.747;27.312
p48=-108.052;27.282
p49=-108.392;27.244
p50=-109.047;27.229
p51=-109.714;27.269
p52=-110.139;27.331
p53=-110.394;27.364
p54=-111.086;27.507
p55=-111.797;27.713
p56=-112.529;27.993
p57=-112.659;28.053
p58=-113.283;28.330
p59=-114.059;28.756
p60=-114.069;28.762
p61=-114.888;29.274
p62=-115.154;29.461
p63=-115.757;29.910
p64=-116.079;30.170
p65=-116.694;30.708

p66=-116.886;30.884
p67=-117.604;31.604
p68=-117.737;31.753
p69=-118.259;32.331
p70=-118.840;33.065
p71=-118.990;33.277
p72=-119.381;33.807
p73=-119.873;34.557
p74=-120.316;35.316
p75=-120.715;36.084
p76=-121.076;36.861
p77=-121.396;37.648
p78=-121.672;38.446
p79=-121.898;39.254
p80=-122.064;40.072
p81=-122.142;40.761
p82=-122.161;40.901
p83=-122.211;41.743
p84=-122.162;42.520
p85=-122.158;42.594
p86=-122.024;43.458
p87=-121.932;43.789
p88=-121.753;44.331
p89=-121.549;44.785
p90=-121.305;45.212
p91=-121.051;45.589
p92=-120.593;46.098
p93=-120.458;46.239
p94=-119.789;46.770
p95=-119.421;46.978
p96=-119.054;47.192
p97=-118.261;47.517
p98=-117.412;47.739
p99=-116.966;47.807
p100=-116.525;47.886
p101=-115.603;47.956
p102=-114.649;47.941
p103=-113.668;47.846
p104=-112.667;47.669
p105=-112.240;47.560