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

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beam_id=RU10
emi_rcp=R
polar_disc=C
reason=C
n_bore=1
n_cont=9

[B1]
gain=0.00
p=-93.593;36.144

[C1]
gain=-2
n_point=39
p1=-92.729;40.054
p2=-92.021;39.779
p3=-91.304;39.300
p4=-91.258;39.257
p5=-90.624;38.469
p6=-90.622;38.464
p7=-90.300;37.691
p8=-90.141;36.924
p9=-90.133;36.168
p10=-90.269;35.421
p11=-90.545;34.683
p12=-90.897;34.073
p13=-90.981;33.954
p14=-91.618;33.291
p15=-91.694;33.233
p16=-92.311;32.857
p17=-92.990;32.608
p18=-93.662;32.520
p19=-94.330;32.591
p20=-95.000;32.825
p21=-95.658;33.222
p22=-95.675;33.236
p23=-96.334;33.939
p24=-96.364;33.983
p25=-96.734;34.665
p26=-96.983;35.401
p27=-97.088;36.147
p28=-97.049;36.903
p29=-96.857;37.670
p30=-96.497;38.449
p31=-96.459;38.508
p32=-95.832;39.241
p33=-95.739;39.325

p34=-95.000;39.798
p35=-94.322;40.049
p36=-94.252;40.071
p37=-93.502;40.147
p38=-92.756;40.063
p39=-92.729;40.054

[C2]

gain=-4
n_point=55
p1=-92.665;41.717
p2=-91.930;41.523
p3=-91.184;41.183
p4=-90.744;40.893
p5=-90.459;40.675
p6=-89.874;40.079
p7=-89.765;39.940
p8=-89.346;39.278
p9=-89.125;38.792
p10=-89.008;38.488
p11=-88.819;37.709
p12=-88.744;36.941
p13=-88.771;36.184
p14=-88.897;35.436
p15=-89.118;34.698
p16=-89.438;33.969
p17=-89.546;33.782
p18=-89.890;33.248
p19=-90.295;32.752
p20=-90.505;32.536
p21=-91.003;32.108
p22=-91.416;31.831
p23=-91.688;31.670
p24=-92.361;31.385
p25=-93.025;31.217
p26=-93.685;31.158
p27=-94.342;31.205
p28=-95.000;31.362
p29=-95.662;31.636
p30=-95.972;31.819
p31=-96.330;32.061
p32=-96.852;32.519
p33=-97.012;32.689
p34=-97.436;33.228
p35=-97.719;33.691
p36=-97.857;33.946
p37=-98.149;34.672
p38=-98.341;35.409
p39=-98.435;36.155
p40=-98.431;36.911
p41=-98.322;37.679
p42=-98.099;38.458
p43=-97.934;38.839
p44=-97.729;39.249
p45=-97.241;39.967
p46=-97.169;40.054
p47=-96.512;40.693

p48=-96.268;40.873
p49=-95.763;41.196
p50=-95.000;41.532
p51=-94.302;41.711
p52=-94.230;41.728
p53=-93.459;41.787
p54=-92.690;41.723
p55=-92.665;41.717

[C3]

gain=-6
n_point=69
p1=-91.295;42.583
p2=-91.093;42.506
p3=-90.345;42.092
p4=-89.878;41.742
p5=-89.620;41.524
p6=-89.055;40.914
p7=-88.930;40.751
p8=-88.512;40.098
p9=-88.293;39.648
p10=-88.143;39.295
p11=-87.909;38.504
p12=-87.779;37.725
p13=-87.776;37.671
p14=-87.743;36.957
p15=-87.790;36.198
p16=-87.915;35.450
p17=-88.068;34.894
p18=-88.118;34.712
p19=-88.404;33.982
p20=-88.777;33.261
p21=-88.922;33.035
p22=-89.262;32.548
p23=-89.667;32.072
p24=-89.891;31.844
p25=-90.375;31.417
p26=-90.751;31.146
p27=-91.060;30.946
p28=-91.731;30.609
p29=-92.171;30.454
p30=-92.393;30.379
p31=-93.048;30.245
p32=-93.700;30.197
p33=-94.350;30.235
p34=-95.000;30.359
p35=-95.267;30.447
p36=-95.653;30.580
p37=-96.311;30.908
p38=-96.652;31.131
p39=-96.979;31.370
p40=-97.482;31.824
p41=-97.660;32.011
p42=-98.082;32.525
p43=-98.367;32.951
p44=-98.539;33.235
p45=-98.885;33.953

p46=-99.136;34.663
p47=-99.142;34.680
p48=-99.315;35.417
p49=-99.410;36.163
p50=-99.425;36.920
p51=-99.355;37.688
p52=-99.332;37.801
p53=-99.190;38.467
p54=-98.919;39.258
p55=-98.719;39.679
p56=-98.514;40.063
p57=-98.030;40.767
p58=-97.936;40.881
p59=-97.302;41.533
p60=-97.078;41.715
p61=-96.550;42.099
p62=-95.781;42.513
p63=-95.638;42.566
p64=-95.000;42.794
p65=-94.213;42.957
p66=-93.424;43.010
p67=-92.638;42.954
p68=-91.860;42.789
p69=-91.295;42.583

[C4]

gain=-8
n_point=77
p1=-90.831;43.463
p2=-90.251;43.185
p3=-89.506;42.694
p4=-89.399;42.605
p5=-88.790;42.048
p6=-88.537;41.762
p7=-88.114;41.197
p8=-87.944;40.931
p9=-87.527;40.115
p10=-87.494;40.029
p11=-87.242;39.311
p12=-87.063;38.519
p13=-87.004;38.017
p14=-86.972;37.739
p15=-86.959;36.970
p16=-87.019;36.211
p17=-87.148;35.463
p18=-87.345;34.723
p19=-87.405;34.558
p20=-87.610;33.994
p21=-87.949;33.272
p22=-88.269;32.727
p23=-88.374;32.559
p24=-88.902;31.854
p25=-89.025;31.714
p26=-89.573;31.157
p27=-89.738;31.008
p28=-90.427;30.486
p29=-90.460;30.466

p30=-91.100;30.096
p31=-91.762;29.810
p32=-91.856;29.781
p33=-92.416;29.611
p34=-93.065;29.493
p35=-93.711;29.451
p36=-94.355;29.484
p37=-95.000;29.593
p38=-95.608;29.772
p39=-95.647;29.784
p40=-96.298;30.063
p41=-96.956;30.446
p42=-96.963;30.450
p43=-97.625;30.959
p44=-97.818;31.136
p45=-98.311;31.651
p46=-98.462;31.830
p47=-98.966;32.531
p48=-99.025;32.631
p49=-99.364;33.241
p50=-99.676;33.960
p51=-99.808;34.363
p52=-99.913;34.687
p53=-100.081;35.424
p54=-100.179;36.171
p55=-100.206;36.928
p56=-100.159;37.696
p57=-100.085;38.153
p58=-100.032;38.476
p59=-99.815;39.267
p60=-99.494;40.065
p61=-99.491;40.072
p62=-99.035;40.891
p63=-98.817;41.205
p64=-98.401;41.724
p65=-98.098;42.049
p66=-97.502;42.574
p67=-97.350;42.695
p68=-96.581;43.186
p69=-96.038;43.442
p70=-95.796;43.552
p71=-95.000;43.805
p72=-94.198;43.953
p73=-93.395;44.000
p74=-92.594;43.951
p75=-91.800;43.802
p76=-91.017;43.548
p77=-90.831;43.463

[C5]

gain=-10
n_point=85
p1=-90.834;44.358
p2=-90.170;44.076
p3=-89.409;43.630
p4=-89.213;43.483
p5=-88.675;43.053

p6=-88.246;42.623
p7=-87.975;42.315
p8=-87.578;41.778
p9=-87.321;41.357
p10=-87.099;40.947
p11=-86.759;40.129
p12=-86.734;40.047
p13=-86.523;39.324
p14=-86.380;38.532
p15=-86.318;37.751
p16=-86.319;37.652
p17=-86.321;36.981
p18=-86.391;36.222
p19=-86.524;35.473
p20=-86.660;34.959
p21=-86.718;34.734
p22=-86.970;34.004
p23=-87.289;33.282
p24=-87.590;32.732
p25=-87.682;32.569
p26=-88.158;31.864
p27=-88.366;31.602
p28=-88.743;31.166
p29=-89.091;30.814
p30=-89.475;30.475
p31=-89.787;30.224
p32=-90.439;29.791
p33=-90.465;29.774
p34=-91.130;29.428
p35=-91.786;29.175
p36=-92.011;29.113
p37=-92.435;28.995
p38=-93.079;28.887
p39=-93.720;28.849
p40=-94.360;28.878
p41=-95.000;28.978
p42=-95.471;29.105
p43=-95.642;29.150
p44=-96.288;29.398
p45=-96.940;29.738
p46=-97.000;29.776
p47=-97.601;30.181
p48=-97.936;30.455
p49=-98.275;30.760
p50=-98.643;31.141
p51=-98.968;31.529
p52=-99.204;31.835
p53=-99.655;32.537
p54=-99.696;32.616
p55=-100.023;33.248
p56=-100.314;33.966
p57=-100.518;34.629
p58=-100.538;34.694
p59=-100.704;35.431
p60=-100.806;36.179
p61=-100.843;36.936
p62=-100.812;37.704

p63=-100.789;37.873
p64=-100.711;38.484
p65=-100.531;39.276
p66=-100.255;40.081
p67=-100.249;40.095
p68=-99.874;40.900
p69=-99.596;41.367
p70=-99.352;41.733
p71=-98.893;42.312
p72=-98.642;42.583
p73=-98.155;43.047
p74=-97.635;43.449
p75=-97.391;43.625
p76=-96.608;44.074
p77=-95.982;44.336
p78=-95.809;44.408
p79=-95.000;44.645
p80=-94.185;44.782
p81=-93.369;44.827
p82=-92.555;44.781
p83=-91.748;44.643
p84=-90.951;44.407
p85=-90.834;44.358

[C6]

gain=-15
n_point=97
p1=-91.624;46.205
p2=-90.820;46.013
p3=-90.011;45.726
p4=-89.221;45.333
p5=-89.161;45.296
p6=-88.454;44.851
p7=-87.903;44.401
p8=-87.717;44.238
p9=-87.050;43.521
p10=-87.017;43.482
p11=-86.433;42.658
p12=-86.363;42.540
p13=-85.973;41.811
p14=-85.772;41.325
p15=-85.635;40.977
p16=-85.393;40.158
p17=-85.285;39.601
p18=-85.234;39.352
p19=-85.138;38.558
p20=-85.113;37.776
p21=-85.147;37.005
p22=-85.236;36.245
p23=-85.376;35.495
p24=-85.566;34.755
p25=-85.809;34.024
p26=-86.110;33.302
p27=-86.178;33.164
p28=-86.458;32.588
p29=-86.875;31.882
p30=-87.020;31.670

p31=-87.363;31.184
p32=-87.780;30.678
p33=-87.943;30.493
p34=-88.499;29.936
p35=-88.641;29.809
p36=-89.192;29.355
p37=-89.513;29.131
p38=-89.867;28.895
p39=-90.529;28.535
p40=-90.700;28.460
p41=-91.181;28.247
p42=-91.826;28.033
p43=-92.466;27.886
p44=-93.102;27.799
p45=-93.248;27.792
p46=-93.735;27.765
p47=-94.322;27.789
p48=-94.367;27.791
p49=-95.000;27.871
p50=-95.634;28.011
p51=-96.271;28.220
p52=-96.781;28.446
p53=-96.913;28.504
p54=-97.562;28.859
p55=-97.936;29.112
p56=-98.219;29.312
p57=-98.785;29.785
p58=-98.890;29.880
p59=-99.462;30.465
p60=-99.579;30.601
p61=-100.022;31.152
p62=-100.298;31.558
p63=-100.489;31.847
p64=-100.879;32.550
p65=-101.074;32.979
p66=-101.204;33.261
p67=-101.475;33.981
p68=-101.688;34.709
p69=-101.846;35.447
p70=-101.954;36.194
p71=-102.010;36.953
p72=-102.011;37.722
p73=-101.950;38.502
p74=-101.819;39.295
p75=-101.714;39.709
p76=-101.617;40.100
p77=-101.334;40.920
p78=-101.134;41.362
p79=-100.949;41.754
p80=-100.479;42.545
p81=-100.441;42.603
p82=-99.775;43.470
p83=-99.775;43.470
p84=-99.034;44.220
p85=-98.873;44.355
p86=-98.265;44.834
p87=-97.573;45.260

p88=-97.471;45.321
p89=-96.660;45.718
p90=-95.835;46.009
p91=-95.080;46.190
p92=-95.000;46.211
p93=-94.159;46.338
p94=-93.317;46.380
p95=-92.477;46.338
p96=-91.644;46.210
p97=-91.624;46.205

[C7]

gain=-20
n_point=167
p1=-86.633;54.986
p2=-85.763;54.556
p3=-84.838;54.142
p4=-84.138;53.821
p5=-83.940;53.687
p6=-83.098;53.114
p7=-82.449;52.694
p8=-82.276;52.537
p9=-81.518;51.828
p10=-81.293;51.598
p11=-80.828;50.986
p12=-80.508;50.531
p13=-80.210;50.002
p14=-79.961;49.491
p15=-79.680;48.831
p16=-79.559;48.479
p17=-79.225;47.504
p18=-79.222;47.495
p19=-79.035;46.532
p20=-78.868;45.936
p21=-78.810;45.596
p22=-78.657;44.680
p23=-78.560;44.251
p24=-78.518;43.785
p25=-78.449;42.907
p26=-78.364;42.229
p27=-78.363;42.049
p28=-78.403;41.202
p29=-78.452;40.372
p30=-78.504;39.556
p31=-78.552;38.833
p32=-78.563;38.754
p33=-78.707;37.963
p34=-78.865;37.184
p35=-79.040;36.416
p36=-79.236;35.660
p37=-79.452;34.913
p38=-79.684;34.188
p39=-79.689;34.176
p40=-80.017;33.447
p41=-80.337;32.727
p42=-80.646;32.016
p43=-80.952;31.315

p44=-80.955;31.307
p45=-81.363;30.619
p46=-81.728;29.932
p47=-81.921;29.586
p48=-82.148;29.251
p49=-82.589;28.578
p50=-82.772;28.311
p51=-83.092;27.910
p52=-83.557;27.298
p53=-83.601;27.249
p54=-84.201;26.593
p55=-84.296;26.493
p56=-84.867;25.943
p57=-85.006;25.814
p58=-85.604;25.298
p59=-85.694;25.226
p60=-86.364;24.725
p61=-86.455;24.659
p62=-87.019;24.310
p63=-87.449;24.024
p64=-87.666;23.905
p65=-88.302;23.568
p66=-88.602;23.394
p67=-88.932;23.254
p68=-89.554;22.999
p69=-90.070;22.769
p70=-90.172;22.737
p71=-90.784;22.577
p72=-91.392;22.434
p73=-91.997;22.311
p74=-92.600;22.214
p75=-93.202;22.151
p76=-93.325;22.146
p77=-93.801;22.135
p78=-94.282;22.144
p79=-94.401;22.148
p80=-95.000;22.208
p81=-95.600;22.300
p82=-96.201;22.415
p83=-96.805;22.550
p84=-97.410;22.703
p85=-97.586;22.757
p86=-98.019;22.947
p87=-98.633;23.206
p88=-99.021;23.376
p89=-99.251;23.516
p90=-99.877;23.874
p91=-100.093;24.001
p92=-100.511;24.303
p93=-101.004;24.631
p94=-101.152;24.749
p95=-101.804;25.241
p96=-101.835;25.266
p97=-102.470;25.814
p98=-102.573;25.907
p99=-103.150;26.440
p100=-103.263;26.554

p101=-103.849;27.146
p102=-103.903;27.207
p103=-104.453;27.865
p104=-104.579;28.013
p105=-104.937;28.530
p106=-105.355;29.106
p107=-105.412;29.201
p108=-105.778;29.877
p109=-106.175;30.562
p110=-106.216;30.634
p111=-106.482;31.253
p112=-106.778;31.952
p113=-107.083;32.659
p114=-107.273;33.108
p115=-107.363;33.376
p116=-107.581;34.099
p117=-107.782;34.832
p118=-107.962;35.575
p119=-108.121;36.328
p120=-108.260;37.092
p121=-108.382;37.867
p122=-108.487;38.654
p123=-108.577;39.455
p124=-108.617;39.937
p125=-108.618;40.268
p126=-108.596;41.094
p127=-108.570;41.936
p128=-108.532;42.795
p129=-108.527;42.844
p130=-108.347;43.668
p131=-108.200;44.561
p132=-108.173;44.691
p133=-107.909;45.471
p134=-107.715;46.196
p135=-107.624;46.405
p136=-107.261;47.361
p137=-107.192;47.535
p138=-106.794;48.342
p139=-106.607;48.724
p140=-106.253;49.351
p141=-105.968;49.806
p142=-105.582;50.389
p143=-105.273;50.773
p144=-104.717;51.460
p145=-104.528;51.645
p146=-103.725;52.386
p147=-103.534;52.566
p148=-102.872;53.012
p149=-101.994;53.638
p150=-101.887;53.712
p151=-101.063;54.098
p152=-100.109;54.536
p153=-99.330;54.904
p154=-99.133;54.970
p155=-98.121;55.239
p156=-97.094;55.477
p157=-96.053;55.681

p158=-95.000;55.846
p159=-93.939;55.958
p160=-92.875;56.003
p161=-91.814;55.975
p162=-90.761;55.877
p163=-89.722;55.719
p164=-88.697;55.515
p165=-87.688;55.276
p166=-86.697;55.008
p167=-86.633;54.986

[C8]

gain=-20
n_point=145
p1=-91.435;52.474
p2=-91.132;52.453
p3=-90.176;52.336
p4=-89.233;52.158
p5=-88.312;51.885
p6=-87.434;51.435
p7=-87.390;51.406
p8=-86.551;51.089
p9=-85.719;50.563
p10=-85.489;50.358
p11=-84.913;50.003
p12=-84.236;49.335
p13=-84.166;49.277
p14=-83.438;48.552
p15=-83.270;48.340
p16=-82.762;47.705
p17=-82.527;47.368
p18=-82.145;46.717
p19=-81.963;46.419
p20=-81.600;45.537
p21=-81.574;45.489
p22=-81.201;44.582
p23=-81.117;44.197
p24=-80.927;43.693
p25=-80.772;42.819
p26=-80.743;42.510
p27=-80.589;41.965
p28=-80.499;41.125
p29=-80.503;40.340
p30=-80.493;40.297
p31=-80.396;39.488
p32=-80.422;38.689
p33=-80.510;37.901
p34=-80.638;37.125
p35=-80.795;36.360
p36=-80.976;35.605
p37=-81.181;34.861
p38=-81.417;34.126
p39=-81.701;33.399
p40=-82.089;32.680
p41=-82.106;32.654
p42=-82.390;31.971
p43=-82.778;31.270

p44=-83.075;30.877
p45=-83.240;30.575
p46=-83.711;29.888
p47=-83.916;29.653
p48=-84.222;29.208
p49=-84.696;28.673
p50=-84.806;28.534
p51=-85.422;27.867
p52=-85.438;27.851
p53=-86.048;27.208
p54=-86.155;27.102
p55=-86.763;26.554
p56=-86.847;26.476
p57=-87.520;25.946
p58=-87.583;25.905
p59=-88.181;25.462
p60=-88.577;25.262
p61=-88.827;25.097
p62=-89.464;24.793
p63=-90.007;24.622
p64=-90.091;24.581
p65=-90.716;24.340
p66=-91.335;24.189
p67=-91.950;24.087
p68=-92.562;24.018
p69=-93.060;23.984
p70=-93.173;23.969
p71=-93.782;23.936
p72=-94.391;23.954
p73=-94.618;23.982
p74=-95.000;24.004
p75=-95.610;24.069
p76=-96.220;24.172
p77=-96.833;24.329
p78=-97.451;24.581
p79=-97.505;24.608
p80=-98.070;24.791
p81=-98.696;25.093
p82=-98.932;25.242
p83=-99.329;25.434
p84=-99.958;25.881
p85=-99.971;25.889
p86=-100.621;26.337
p87=-100.834;26.526
p88=-101.287;26.915
p89=-101.551;27.177
p90=-101.972;27.623
p91=-102.164;27.833
p92=-102.679;28.495
p93=-102.685;28.504
p94=-103.216;29.165
p95=-103.428;29.505
p96=-103.680;29.840
p97=-104.082;30.523
p98=-104.229;30.829
p99=-104.479;31.214
p100=-104.822;31.911

p101=-105.085;32.616
p102=-105.154;32.832
p103=-105.387;33.331
p104=-105.646;34.053
p105=-105.853;34.785
p106=-106.026;35.526
p107=-106.171;36.277
p108=-106.289;37.039
p109=-106.374;37.812
p110=-106.416;38.596
p111=-106.394;39.392
p112=-106.309;39.984
p113=-106.309;40.200
p114=-106.274;41.025
p115=-106.155;41.863
p116=-106.003;42.411
p117=-105.964;42.717
p118=-105.798;43.590
p119=-105.562;44.232
p120=-105.500;44.479
p121=-105.178;45.388
p122=-105.024;45.687
p123=-104.739;46.318
p124=-104.403;46.850
p125=-104.124;47.269
p126=-103.714;47.799
p127=-103.301;48.244
p128=-102.974;48.600
p129=-102.183;49.234
p130=-102.170;49.243
p131=-101.381;49.929
p132=-100.773;50.275
p133=-100.534;50.465
p134=-99.668;50.996
p135=-98.782;51.341
p136=-98.764;51.352
p137=-97.856;51.833
p138=-96.917;52.130
p139=-95.963;52.325
p140=-95.000;52.450
p141=-94.938;52.455
p142=-94.030;52.599
p143=-93.058;52.641
p144=-92.090;52.584
p145=-91.435;52.474

[C9]

gain=-20
n_point=105
p1=-91.217;47.174
p2=-90.728;47.069
p3=-89.898;46.808
p4=-89.088;46.449
p5=-88.729;46.243
p6=-88.301;46.002
p7=-87.542;45.446
p8=-87.407;45.327

p9=-86.815;44.775
p10=-86.511;44.429
p11=-86.132;43.949
p12=-85.856;43.548
p13=-85.500;42.932
p14=-85.367;42.682
p15=-85.001;41.833
p16=-84.936;41.641
p17=-84.720;40.999
p18=-84.532;40.179
p19=-84.483;39.842
p20=-84.404;39.371
p21=-84.338;38.577
p22=-84.335;37.794
p23=-84.386;37.023
p24=-84.487;36.262
p25=-84.632;35.511
p26=-84.823;34.770
p27=-85.061;34.039
p28=-85.352;33.316
p29=-85.513;32.981
p30=-85.688;32.602
p31=-86.075;31.895
p32=-86.373;31.438
p33=-86.530;31.196
p34=-87.054;30.505
p35=-87.144;30.399
p36=-87.662;29.821
p37=-87.871;29.612
p38=-88.388;29.143
p39=-88.569;28.990
p40=-89.248;28.495
p41=-89.284;28.472
p42=-89.913;28.083
p43=-90.485;27.806
p44=-90.566;27.766
p45=-91.212;27.503
p46=-91.851;27.312
p47=-92.485;27.182
p48=-92.783;27.145
p49=-93.116;27.099
p50=-93.744;27.066
p51=-94.372;27.090
p52=-94.764;27.141
p53=-95.000;27.168
p54=-95.629;27.292
p55=-96.261;27.478
p56=-96.897;27.737
p57=-97.008;27.792
p58=-97.539;28.051
p59=-98.180;28.452
p60=-98.188;28.458
p61=-98.848;28.941
p62=-99.057;29.119
p63=-99.523;29.546
p64=-99.766;29.793
p65=-100.218;30.306

p66=-100.356;30.473
p67=-100.856;31.161
p68=-100.945;31.303
p69=-101.289;31.856
p70=-101.647;32.560
p71=-101.734;32.763
p72=-101.960;33.271
p73=-102.219;33.991
p74=-102.425;34.720
p75=-102.583;35.458
p76=-102.696;36.206
p77=-102.763;36.965
p78=-102.781;37.734
p79=-102.744;38.515
p80=-102.644;39.309
p81=-102.499;39.979
p82=-102.472;40.115
p83=-102.246;40.935
p84=-101.947;41.697
p85=-101.919;41.769
p86=-101.507;42.619
p87=-101.312;42.947
p88=-100.965;43.486
p89=-100.624;43.940
p90=-100.255;44.371
p91=-99.894;44.753
p92=-99.302;45.276
p93=-99.130;45.420
p94=-98.340;45.977
p95=-97.936;46.202
p96=-97.528;46.432
p97=-96.697;46.796
p98=-95.853;47.062
p99=-95.428;47.155
p100=-95.000;47.257
p101=-94.141;47.378
p102=-93.280;47.418
p103=-92.422;47.378
p104=-91.570;47.258
p105=-91.217;47.174