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

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beam_id=RD15
emi_rcp=E
polar_disc=C
reason=C
n_bore=1
n_cont=9

[B1]
gain=0.00
p=-97.556;28.669

[C1]
gain=-2
n_point=39
p1=-96.972;32.053
p2=-96.326;31.813
p3=-95.660;31.395
p4=-95.616;31.358
p5=-95.002;30.673
p6=-95.000;30.669
p7=-94.663;29.996
p8=-94.473;29.326
p9=-94.421;28.663
p10=-94.501;28.007
p11=-94.711;27.356
p12=-95.000;26.817
p13=-95.071;26.712
p14=-95.622;26.124
p15=-95.689;26.073
p16=-96.239;25.741
p17=-96.854;25.521
p18=-97.471;25.446
p19=-98.092;25.514
p20=-98.719;25.728
p21=-99.340;26.088
p22=-99.357;26.100
p23=-99.987;26.732
p24=-100.016;26.772
p25=-100.377;27.381
p26=-100.626;28.034
p27=-100.744;28.692
p28=-100.730;29.356
p29=-100.579;30.025
p30=-100.279;30.699
p31=-100.246;30.750
p32=-99.708;31.379
p33=-99.627;31.451

p34=-98.985;31.851
p35=-98.390;32.061
p36=-98.329;32.079
p37=-97.664;32.139
p38=-96.996;32.061
p39=-96.972;32.053

[C2]

gain=-4
n_point=55
p1=-97.010;33.464
p2=-96.352;33.294
p3=-95.673;33.000
p4=-95.266;32.750
p5=-95.000;32.563
p6=-94.443;32.050
p7=-94.336;31.930
p8=-93.918;31.359
p9=-93.688;30.939
p10=-93.562;30.675
p11=-93.340;29.999
p12=-93.220;29.329
p13=-93.195;28.666
p14=-93.260;28.009
p15=-93.415;27.358
p16=-93.663;26.713
p17=-93.751;26.547
p18=-94.036;26.074
p19=-94.381;25.632
p20=-94.563;25.440
p21=-95.000;25.058
p22=-95.368;24.811
p23=-95.613;24.668
p24=-96.223;24.416
p25=-96.832;24.268
p26=-97.443;24.218
p27=-98.055;24.264
p28=-98.673;24.410
p29=-99.296;24.660
p30=-99.591;24.828
p31=-99.931;25.047
p32=-100.428;25.463
p33=-100.581;25.616
p34=-100.987;26.102
p35=-101.261;26.518
p36=-101.395;26.746
p37=-101.681;27.394
p38=-101.874;28.047
p39=-101.978;28.706
p40=-101.991;29.370
p41=-101.911;30.040
p42=-101.728;30.715
p43=-101.589;31.045
p44=-101.415;31.397
p45=-100.998;32.011
p46=-100.936;32.084
p47=-100.371;32.626

p48=-100.160;32.777
p49=-99.723;33.047
p50=-99.062;33.326
p51=-98.453;33.472
p52=-98.390;33.485
p53=-97.713;33.530
p54=-97.033;33.469
p55=-97.010;33.464

[C3]

gain=-6
n_point=69
p1=-95.864;34.179
p2=-95.683;34.112
p3=-95.000;33.758
p4=-94.566;33.460
p5=-94.324;33.273
p6=-93.782;32.752
p7=-93.660;32.613
p8=-93.242;32.053
p9=-93.014;31.666
p10=-92.854;31.362
p11=-92.586;30.678
p12=-92.412;30.002
p13=-92.406;29.955
p14=-92.324;29.333
p15=-92.313;28.669
p16=-92.375;28.012
p17=-92.476;27.522
p18=-92.510;27.361
p19=-92.723;26.716
p20=-93.020;26.076
p21=-93.139;25.875
p22=-93.424;25.442
p23=-93.770;25.016
p24=-93.964;24.812
p25=-94.388;24.431
p26=-94.724;24.188
p27=-95.000;24.009
p28=-95.608;23.709
p29=-96.009;23.570
p30=-96.213;23.504
p31=-96.818;23.386
p32=-97.423;23.346
p33=-98.031;23.383
p34=-98.642;23.500
p35=-98.894;23.581
p36=-99.259;23.704
p37=-99.882;24.005
p38=-100.206;24.209
p39=-100.517;24.426
p40=-100.998;24.839
p41=-101.168;25.008
p42=-101.572;25.474
p43=-101.845;25.857
p44=-102.012;26.113
p45=-102.346;26.756

p46=-102.592;27.389
p47=-102.598;27.405
p48=-102.772;28.058
p49=-102.872;28.718
p50=-102.900;29.382
p51=-102.851;30.053
p52=-102.833;30.151
p53=-102.717;30.729
p54=-102.489;31.411
p55=-102.319;31.772
p56=-102.143;32.100
p57=-101.728;32.697
p58=-101.648;32.794
p59=-101.103;33.342
p60=-100.911;33.495
p61=-100.456;33.815
p62=-99.794;34.157
p63=-99.671;34.200
p64=-99.120;34.386
p65=-98.439;34.516
p66=-97.751;34.553
p67=-97.061;34.500
p68=-96.371;34.355
p69=-95.864;34.179

[C4]

gain=-8
n_point=77
p1=-95.524;34.906
p2=-95.000;34.669
p3=-94.315;34.254
p4=-94.215;34.178
p5=-93.641;33.705
p6=-93.397;33.462
p7=-92.980;32.982
p8=-92.810;32.755
p9=-92.377;32.056
p10=-92.341;31.983
p11=-92.060;31.366
p12=-91.838;30.682
p13=-91.745;30.248
p14=-91.695;30.006
p15=-91.625;29.336
p16=-91.622;28.673
p17=-91.684;28.016
p18=-91.811;27.365
p19=-91.854;27.219
p20=-92.003;26.719
p21=-92.265;26.079
p22=-92.525;25.593
p23=-92.611;25.444
p24=-93.055;24.814
p25=-93.160;24.689
p26=-93.636;24.190
p27=-93.781;24.057
p28=-94.393;23.588
p29=-94.422;23.570

p30=-95.000;23.238
p31=-95.604;22.982
p32=-95.690;22.956
p33=-96.205;22.804
p34=-96.807;22.701
p35=-97.409;22.666
p36=-98.013;22.699
p37=-98.620;22.802
p38=-99.195;22.968
p39=-99.231;22.979
p40=-99.849;23.236
p41=-100.475;23.587
p42=-100.481;23.592
p43=-101.113;24.057
p44=-101.297;24.218
p45=-101.768;24.686
p46=-101.913;24.848
p47=-102.395;25.483
p48=-102.452;25.572
p49=-102.779;26.122
p50=-103.080;26.766
p51=-103.208;27.125
p52=-103.311;27.414
p53=-103.477;28.068
p54=-103.578;28.728
p55=-103.615;29.393
p56=-103.584;30.064
p57=-103.524;30.461
p58=-103.481;30.740
p59=-103.298;31.423
p60=-103.024;32.106
p61=-103.022;32.113
p62=-102.630;32.808
p63=-102.443;33.074
p64=-102.086;33.511
p65=-101.826;33.782
p66=-101.315;34.219
p67=-101.185;34.319
p68=-100.525;34.724
p69=-100.060;34.933
p70=-99.852;35.022
p71=-99.169;35.226
p72=-98.479;35.342
p73=-97.783;35.374
p74=-97.086;35.326
p75=-96.388;35.196
p76=-95.692;34.979
p77=-95.524;34.906

[C5]

gain=-10
n_point=85
p1=-95.593;35.644
p2=-95.000;35.406
p3=-94.308;35.030
p4=-94.126;34.907
p5=-93.625;34.544

p6=-93.217;34.181
p7=-92.955;33.920
p8=-92.563;33.466
p9=-92.302;33.108
p10=-92.073;32.759
p11=-91.704;32.060
p12=-91.675;31.991
p13=-91.427;31.370
p14=-91.235;30.686
p15=-91.115;30.010
p16=-91.108;29.924
p17=-91.057;29.340
p18=-91.060;28.677
p19=-91.124;28.019
p20=-91.209;27.566
p21=-91.246;27.368
p22=-91.423;26.722
p23=-91.665;26.082
p24=-91.906;25.592
p25=-91.980;25.447
p26=-92.373;24.817
p27=-92.549;24.583
p28=-92.872;24.191
p29=-93.174;23.876
p30=-93.512;23.571
p31=-93.789;23.346
p32=-94.373;22.956
p33=-94.397;22.941
p34=-95.000;22.630
p35=-95.601;22.402
p36=-95.808;22.347
p37=-96.200;22.242
p38=-96.798;22.147
p39=-97.398;22.115
p40=-97.999;22.145
p41=-98.602;22.239
p42=-99.048;22.358
p43=-99.210;22.400
p44=-99.823;22.629
p45=-100.443;22.942
p46=-100.500;22.977
p47=-101.073;23.349
p48=-101.394;23.600
p49=-101.717;23.878
p50=-102.069;24.226
p51=-102.380;24.578
p52=-102.606;24.856
p53=-103.038;25.490
p54=-103.078;25.561
p55=-103.392;26.130
p56=-103.672;26.774
p57=-103.870;27.365
p58=-103.890;27.423
p59=-104.052;28.077
p60=-104.155;28.737
p61=-104.199;29.402
p62=-104.180;30.073

p63=-104.161;30.220
p64=-104.099;30.750
p65=-103.946;31.434
p66=-103.709;32.124
p67=-103.704;32.136
p68=-103.381;32.820
p69=-103.142;33.215
p70=-102.932;33.523
p71=-102.538;34.008
p72=-102.322;34.233
p73=-101.905;34.619
p74=-101.460;34.950
p75=-101.252;35.094
p76=-100.583;35.460
p77=-100.049;35.671
p78=-99.902;35.729
p79=-99.211;35.917
p80=-98.513;36.023
p81=-97.811;36.053
p82=-97.106;36.008
p83=-96.401;35.887
p84=-95.699;35.686
p85=-95.593;35.644

[C6]

gain=-15
n_point=97
p1=-96.411;37.155
p2=-95.712;36.992
p3=-95.000;36.751
p4=-94.294;36.424
p5=-94.240;36.393
p6=-93.596;36.023
p7=-93.083;35.648
p8=-92.909;35.512
p9=-92.268;34.914
p10=-92.236;34.880
p11=-91.654;34.189
p12=-91.582;34.090
p13=-91.174;33.474
p14=-90.953;33.063
p15=-90.800;32.768
p16=-90.511;32.070
p17=-90.364;31.593
p18=-90.297;31.379
p19=-90.141;30.695
p20=-90.049;30.018
p21=-90.014;29.348
p22=-90.030;28.685
p23=-90.095;28.027
p24=-90.209;27.375
p25=-90.374;26.729
p26=-90.596;26.089
p27=-90.649;25.966
p28=-90.865;25.453
p29=-91.200;24.823
p30=-91.320;24.633

p31=-91.605;24.197
p32=-91.959;23.742
p33=-92.099;23.576
p34=-92.582;23.074
p35=-92.707;22.960
p36=-93.195;22.550
p37=-93.483;22.348
p38=-93.801;22.134
p39=-94.402;21.809
p40=-94.559;21.741
p41=-95.000;21.549
p42=-95.595;21.356
p43=-96.190;21.224
p44=-96.784;21.148
p45=-96.921;21.142
p46=-97.378;21.120
p47=-97.932;21.145
p48=-97.974;21.147
p49=-98.572;21.223
p50=-99.174;21.355
p51=-99.780;21.550
p52=-100.265;21.760
p53=-100.391;21.814
p54=-101.010;22.141
p55=-101.368;22.374
p56=-101.639;22.559
p57=-102.180;22.993
p58=-102.280;23.080
p59=-102.827;23.615
p60=-102.939;23.739
p61=-103.363;24.241
p62=-103.627;24.609
p63=-103.809;24.871
p64=-104.182;25.506
p65=-104.368;25.892
p66=-104.492;26.145
p67=-104.751;26.790
p68=-104.954;27.439
p69=-105.107;28.094
p70=-105.212;28.755
p71=-105.269;29.421
p72=-105.275;30.093
p73=-105.226;30.771
p74=-105.113;31.455
p75=-105.021;31.810
p76=-104.937;32.146
p77=-104.690;32.844
p78=-104.517;33.218
p79=-104.356;33.548
p80=-103.949;34.211
p81=-103.916;34.260
p82=-103.342;34.979
p83=-103.342;34.979
p84=-102.708;35.596
p85=-102.571;35.706
p86=-102.054;36.095
p87=-101.466;36.439

p88=-101.381;36.488
p89=-100.695;36.805
p90=-99.998;37.034
p91=-99.360;37.174
p92=-99.292;37.190
p93=-98.580;37.286
p94=-97.864;37.312
p95=-97.146;37.270
p96=-96.428;37.159
p97=-96.411;37.155

[C7]

gain=-20
n_point=167
p1=-93.350;43.740
p2=-92.618;43.423
p3=-91.841;43.114
p4=-91.249;42.873
p5=-91.074;42.774
p6=-90.323;42.345
p7=-89.746;42.028
p8=-89.583;41.910
p9=-88.864;41.373
p10=-88.646;41.198
p11=-88.169;40.731
p12=-87.833;40.382
p13=-87.501;39.975
p14=-87.211;39.579
p15=-86.868;39.065
p16=-86.708;38.789
p17=-86.269;38.019
p18=-86.265;38.011
p19=-85.950;37.244
p20=-85.714;36.764
p21=-85.612;36.489
p22=-85.339;35.744
p23=-85.191;35.392
p24=-85.084;35.009
p25=-84.895;34.283
p26=-84.724;33.717
p27=-84.697;33.567
p28=-84.612;32.857
p29=-84.542;32.156
p30=-84.479;31.463
p31=-84.429;30.845
p32=-84.429;30.777
p33=-84.456;30.098
p34=-84.502;29.425
p35=-84.569;28.759
p36=-84.658;28.098
p37=-84.771;27.444
p38=-84.904;26.805
p39=-84.907;26.795
p40=-85.129;26.151
p41=-85.348;25.513
p42=-85.563;24.880
p43=-85.778;24.252

p44=-85.781;24.245
p45=-86.094;23.628
p46=-86.372;23.009
p47=-86.522;22.696
p48=-86.705;22.394
p49=-87.061;21.784
p50=-87.210;21.542
p51=-87.478;21.177
p52=-87.868;20.619
p53=-87.905;20.574
p54=-88.421;19.975
p55=-88.503;19.883
p56=-89.002;19.379
p57=-89.124;19.261
p58=-89.655;18.787
p59=-89.735;18.721
p60=-90.337;18.260
p61=-90.420;18.199
p62=-90.932;17.878
p63=-91.325;17.614
p64=-91.523;17.504
p65=-92.109;17.193
p66=-92.386;17.032
p67=-92.692;16.903
p68=-93.272;16.667
p69=-93.754;16.454
p70=-93.850;16.425
p71=-94.426;16.277
p72=-95.000;16.146
p73=-95.574;16.033
p74=-96.147;15.944
p75=-96.720;15.887
p76=-96.837;15.883
p77=-97.293;15.875
p78=-97.754;15.885
p79=-97.867;15.889
p80=-98.443;15.948
p81=-99.020;16.036
p82=-99.600;16.146
p83=-100.181;16.275
p84=-100.765;16.421
p85=-100.935;16.472
p86=-101.354;16.651
p87=-101.947;16.897
p88=-102.322;17.057
p89=-102.545;17.189
p90=-103.149;17.526
p91=-103.358;17.645
p92=-103.762;17.928
p93=-104.238;18.236
p94=-104.381;18.346
p95=-105.009;18.806
p96=-105.039;18.830
p97=-105.650;19.341
p98=-105.749;19.428
p99=-106.302;19.923
p100=-106.411;20.029

p101=-106.971;20.578
p102=-107.022;20.634
p103=-107.547;21.243
p104=-107.667;21.379
p105=-108.006;21.855
p106=-108.401;22.384
p107=-108.455;22.472
p108=-108.798;23.091
p109=-109.169;23.716
p110=-109.206;23.781
p111=-109.453;24.344
p112=-109.724;24.977
p113=-110.003;25.615
p114=-110.175;26.018
p115=-110.256;26.259
p116=-110.449;26.907
p117=-110.623;27.560
p118=-110.777;28.219
p119=-110.910;28.884
p120=-111.022;29.555
p121=-111.117;30.232
p122=-111.194;30.916
p123=-111.255;31.608
p124=-111.278;32.022
p125=-111.269;32.305
p126=-111.225;33.010
p127=-111.175;33.722
p128=-111.113;34.444
p129=-111.107;34.484
p130=-110.920;35.171
p131=-110.758;35.908
p132=-110.730;36.014
p133=-110.470;36.652
p134=-110.274;37.240
p135=-110.188;37.408
p136=-109.838;38.173
p137=-109.773;38.311
p138=-109.403;38.948
p139=-109.229;39.247
p140=-108.907;39.734
p141=-108.652;40.086
p142=-108.309;40.532
p143=-108.040;40.823
p144=-107.559;41.340
p145=-107.398;41.478
p146=-106.722;42.027
p147=-106.563;42.159
p148=-106.018;42.484
p149=-105.304;42.935
p150=-105.218;42.987
p151=-104.559;43.261
p152=-103.804;43.567
p153=-103.195;43.823
p154=-103.042;43.868
p155=-102.256;44.049
p156=-101.465;44.207
p157=-100.667;44.340

p158=-99.864;44.444
p159=-99.057;44.510
p160=-98.245;44.530
p161=-97.432;44.498
p162=-96.618;44.417
p163=-95.807;44.295
p164=-95.000;44.139
p165=-94.198;43.959
p166=-93.402;43.756
p167=-93.350;43.740

[C8]

gain=-20
n_point=145
p1=-96.791;41.997
p2=-96.546;41.978
p3=-95.772;41.880
p4=-95.000;41.736
p5=-94.233;41.522
p6=-93.475;41.174
p7=-93.437;41.152
p8=-92.723;40.902
p9=-91.985;40.493
p10=-91.771;40.333
p11=-91.257;40.054
p12=-90.614;39.531
p13=-90.549;39.485
p14=-89.853;38.911
p15=-89.685;38.742
p16=-89.177;38.236
p17=-88.935;37.967
p18=-88.526;37.443
p19=-88.333;37.202
p20=-87.905;36.487
p21=-87.877;36.448
p22=-87.438;35.705
p23=-87.315;35.389
p24=-87.085;34.972
p25=-86.838;34.247
p26=-86.772;33.990
p27=-86.570;33.532
p28=-86.386;32.824
p29=-86.293;32.160
p30=-86.280;32.124
p31=-86.099;31.433
p32=-86.028;30.748
p33=-86.017;30.070
p34=-86.046;29.398
p35=-86.104;28.733
p36=-86.187;28.073
p37=-86.297;27.420
p38=-86.439;26.772
p39=-86.629;26.129
p40=-86.916;25.491
p41=-86.929;25.468
p42=-87.131;24.859
p43=-87.427;24.231

p44=-87.667;23.879
p45=-87.796;23.608
p46=-88.178;22.989
p47=-88.349;22.777
p48=-88.600;22.375
p49=-89.003;21.890
p50=-89.095;21.764
p51=-89.624;21.158
p52=-89.638;21.144
p53=-90.168;20.557
p54=-90.262;20.461
p55=-90.799;19.959
p56=-90.874;19.888
p57=-91.477;19.403
p58=-91.534;19.365
p59=-92.075;18.958
p60=-92.437;18.775
p61=-92.666;18.623
p62=-93.253;18.344
p63=-93.759;18.188
p64=-93.837;18.149
p65=-94.419;17.928
p66=-95.000;17.791
p67=-95.580;17.698
p68=-96.159;17.637
p69=-96.632;17.608
p70=-96.738;17.594
p71=-97.318;17.566
p72=-97.898;17.585
p73=-98.115;17.612
p74=-98.480;17.634
p75=-99.063;17.697
p76=-99.648;17.795
p77=-100.237;17.943
p78=-100.831;18.181
p79=-100.883;18.206
p80=-101.427;18.379
p81=-102.029;18.662
p82=-102.256;18.802
p83=-102.638;18.982
p84=-103.244;19.399
p85=-103.257;19.407
p86=-103.882;19.824
p87=-104.087;19.999
p88=-104.521;20.361
p89=-104.775;20.603
p90=-105.178;21.016
p91=-105.362;21.210
p92=-105.854;21.821
p93=-105.860;21.829
p94=-106.366;22.436
p95=-106.567;22.748
p96=-106.806;23.055
p97=-107.185;23.678
p98=-107.325;23.956
p99=-107.559;24.306
p100=-107.880;24.938

p101=-108.123;25.574
p102=-108.187;25.768
p103=-108.402;26.217
p104=-108.639;26.864
p105=-108.826;27.516
p106=-108.980;28.174
p107=-109.106;28.837
p108=-109.205;29.506
p109=-109.272;30.182
p110=-109.300;30.863
p111=-109.268;31.551
p112=-109.181;32.060
p113=-109.178;32.244
p114=-109.133;32.948
p115=-109.011;33.657
p116=-108.866;34.118
p117=-108.826;34.374
p118=-108.663;35.101
p119=-108.443;35.632
p120=-108.384;35.835
p121=-108.086;36.579
p122=-107.947;36.821
p123=-107.689;37.331
p124=-107.390;37.758
p125=-107.144;38.092
p126=-106.787;38.511
p127=-106.431;38.860
p128=-106.150;39.138
p129=-105.479;39.630
p130=-105.468;39.637
p131=-104.808;40.163
p132=-104.303;40.424
p133=-104.107;40.569
p134=-103.397;40.967
p135=-102.676;41.221
p136=-102.662;41.229
p137=-101.933;41.583
p138=-101.182;41.797
p139=-100.419;41.933
p140=-99.649;42.017
p141=-99.600;42.020
p142=-98.879;42.117
p143=-98.103;42.138
p144=-97.325;42.085
p145=-96.791;41.997

[C9]

gain=-20
n_point=105
p1=-96.143;37.926
p2=-95.722;37.837
p3=-95.000;37.619
p4=-94.284;37.324
p5=-93.961;37.154
p6=-93.576;36.955
p7=-92.879;36.496
p8=-92.753;36.398

p9=-92.194;35.941
p10=-91.899;35.654
p11=-91.526;35.255
p12=-91.248;34.921
p13=-90.878;34.406
p14=-90.739;34.197
p15=-90.335;33.482
p16=-90.260;33.319
p17=-90.007;32.775
p18=-89.762;32.077
p19=-89.686;31.789
p20=-89.572;31.386
p21=-89.438;30.702
p22=-89.363;30.025
p23=-89.340;29.355
p24=-89.363;28.691
p25=-89.431;28.033
p26=-89.543;27.381
p27=-89.701;26.735
p28=-89.910;26.094
p29=-90.033;25.796
p30=-90.165;25.458
p31=-90.470;24.827
p32=-90.713;24.418
p33=-90.842;24.201
p34=-91.281;23.580
p35=-91.358;23.484
p36=-91.803;22.963
p37=-91.985;22.774
p38=-92.440;22.351
p39=-92.600;22.212
p40=-93.207;21.763
p41=-93.240;21.743
p42=-93.809;21.390
p43=-94.331;21.140
p44=-94.406;21.103
p45=-95.000;20.865
p46=-95.592;20.693
p47=-96.184;20.576
p48=-96.463;20.543
p49=-96.775;20.502
p50=-97.366;20.476
p51=-97.959;20.501
p52=-98.331;20.549
p53=-98.554;20.575
p54=-99.152;20.692
p55=-99.753;20.866
p56=-100.360;21.108
p57=-100.466;21.159
p58=-100.973;21.399
p59=-101.587;21.770
p60=-101.595;21.775
p61=-102.226;22.221
p62=-102.426;22.385
p63=-102.872;22.776
p64=-103.104;23.003
p65=-103.536;23.472

p66=-103.669;23.625
p67=-104.146;24.251
p68=-104.231;24.380
p69=-104.559;24.881
p70=-104.900;25.516
p71=-104.983;25.700
p72=-105.197;26.156
p73=-105.443;26.801
p74=-105.638;27.451
p75=-105.789;28.106
p76=-105.896;28.767
p77=-105.961;29.434
p78=-105.980;30.106
p79=-105.949;30.785
p80=-105.861;31.470
p81=-105.732;32.045
p82=-105.709;32.161
p83=-105.509;32.860
p84=-105.246;33.504
p85=-105.221;33.565
p86=-104.862;34.278
p87=-104.692;34.551
p88=-104.391;34.999
p89=-104.097;35.373
p90=-103.780;35.727
p91=-103.471;36.038
p92=-102.967;36.462
p93=-102.821;36.579
p94=-102.153;37.026
p95=-101.811;37.205
p96=-101.468;37.387
p97=-100.771;37.674
p98=-100.063;37.880
p99=-99.706;37.950
p100=-99.348;38.028
p101=-98.627;38.117
p102=-97.901;38.140
p103=-97.174;38.101
p104=-96.447;37.997
p105=-96.143;37.926