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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=11

[B1]
gain=0.00
p=-78.203;45.312

[C1]
gain=-2
n_point=39
p1=-75.121;50.435
p2=-74.318;50.113
p3=-73.626;49.521
p4=-73.589;49.466
p5=-73.189;48.465
p6=-73.188;48.459
p7=-73.184;47.470
p8=-73.376;46.492
p9=-73.739;45.530
p10=-74.260;44.583
p11=-74.933;43.652
p12=-75.624;42.884
p13=-75.776;42.734
p14=-76.816;41.898
p15=-76.930;41.825
p16=-77.818;41.344
p17=-78.728;41.015
p18=-79.568;40.883
p19=-80.350;40.940
p20=-81.081;41.193
p21=-81.748;41.643
p22=-81.765;41.659
p23=-82.340;42.478
p24=-82.362;42.530
p25=-82.594;43.342
p26=-82.654;44.232
p27=-82.529;45.148
p28=-82.208;46.094
p29=-81.674;47.072
p30=-80.898;48.089
p31=-80.823;48.167
p32=-79.685;49.156
p33=-79.523;49.273

p34=-78.317;49.942
p35=-77.278;50.321
p36=-77.172;50.355
p37=-76.117;50.508
p38=-75.151;50.445
p39=-75.121;50.435

[C2]

gain=-4
n_point=55
p1=-73.914;52.732
p2=-73.005;52.518
p3=-72.185;52.102
p4=-71.766;51.733
p5=-71.517;51.453
p6=-71.108;50.679
p7=-71.050;50.497
p8=-70.908;49.632
p9=-70.916;48.998
p10=-70.944;48.602
p11=-71.155;47.592
p12=-71.487;46.602
p13=-71.924;45.632
p14=-72.457;44.680
p15=-73.084;43.747
p16=-73.808;42.831
p17=-74.022;42.596
p18=-74.667;41.928
p19=-75.359;41.309
p20=-75.698;41.038
p21=-76.459;40.503
p22=-77.057;40.154
p23=-77.440;39.952
p24=-78.341;39.587
p25=-79.189;39.362
p26=-79.992;39.266
p27=-80.759;39.297
p28=-81.493;39.458
p29=-82.198;39.756
p30=-82.514;39.961
p31=-82.870;40.234
p32=-83.359;40.758
p33=-83.500;40.953
p34=-83.850;41.581
p35=-84.054;42.125
p36=-84.145;42.426
p37=-84.277;43.293
p38=-84.281;44.183
p39=-84.154;45.098
p40=-83.892;46.040
p41=-83.482;47.011
p42=-82.904;48.016
p43=-82.540;48.517
p44=-82.104;49.061
p45=-81.150;50.033
p46=-81.015;50.152
p47=-79.830;51.049

p48=-79.409;51.308
p49=-78.549;51.782
p50=-77.307;52.298
p51=-76.226;52.598
p52=-76.115;52.627
p53=-74.991;52.769
p54=-73.945;52.739
p55=-73.914;52.732

[C3]

gain=-6
n_point=69
p1=-71.200;54.093
p2=-70.966;53.999
p3=-70.204;53.466
p4=-69.806;53.006
p5=-69.607;52.717
p6=-69.272;51.904
p7=-69.219;51.687
p8=-69.116;50.816
p9=-69.134;50.216
p10=-69.172;49.749
p11=-69.381;48.705
p12=-69.698;47.685
p13=-69.727;47.614
p14=-70.106;46.687
p15=-70.591;45.711
p16=-71.145;44.756
p17=-71.617;44.049
p18=-71.769;43.819
p19=-72.467;42.901
p20=-73.246;41.999
p21=-73.520;41.717
p22=-74.136;41.111
p23=-74.815;40.519
p24=-75.172;40.236
p25=-75.912;39.707
p26=-76.460;39.369
p27=-76.898;39.120
p28=-77.810;38.697
p29=-78.382;38.497
p30=-78.669;38.401
p31=-79.485;38.220
p32=-80.268;38.140
p33=-81.022;38.161
p34=-81.752;38.283
p35=-82.041;38.376
p36=-82.458;38.518
p37=-83.142;38.879
p38=-83.482;39.128
p39=-83.802;39.396
p40=-84.274;39.913
p41=-84.432;40.127
p42=-84.791;40.720
p43=-85.012;41.216
p44=-85.138;41.548
p45=-85.349;42.395

p46=-85.444;43.242
p47=-85.446;43.263
p48=-85.435;44.153
p49=-85.318;45.067
p50=-85.090;46.006
p51=-84.740;46.974
p52=-84.672;47.119
p53=-84.250;47.974
p54=-83.596;49.010
p55=-83.166;49.570
p56=-82.734;50.087
p57=-81.775;51.055
p58=-81.595;51.215
p59=-80.412;52.142
p60=-80.009;52.409
p61=-79.065;52.979
p62=-77.737;53.619
p63=-77.502;53.706
p64=-76.441;54.081
p65=-75.190;54.381
p66=-73.999;54.525
p67=-72.886;54.513
p68=-71.868;54.341
p69=-71.200;54.093

[C4]

gain=-8
n_point=77
p1=-69.641;55.445
p2=-69.015;55.085
p3=-68.342;54.430
p4=-68.263;54.309
p5=-67.859;53.551
p6=-67.738;53.160
p7=-67.604;52.390
p8=-67.579;52.029
p9=-67.639;50.923
p10=-67.658;50.807
p11=-67.844;49.843
p12=-68.155;48.790
p13=-68.412;48.126
p14=-68.548;47.762
p15=-69.008;46.758
p16=-69.529;45.778
p17=-70.105;44.818
p18=-70.737;43.879
p19=-70.895;43.669
p20=-71.424;42.958
p21=-72.175;42.055
p22=-72.806;41.375
p23=-73.004;41.168
p24=-73.933;40.294
p25=-74.136;40.121
p26=-75.007;39.432
p27=-75.259;39.249
p28=-76.267;38.604
p29=-76.312;38.579

p30=-77.197;38.119
p31=-78.071;37.760
p32=-78.191;37.722
p33=-78.903;37.504
p34=-79.701;37.343
p35=-80.470;37.272
p36=-81.215;37.288
p37=-81.938;37.393
p38=-82.600;37.580
p39=-82.642;37.593
p40=-83.329;37.894
p41=-83.998;38.317
p42=-84.005;38.323
p43=-84.648;38.894
p44=-84.828;39.094
p45=-85.272;39.681
p46=-85.403;39.886
p47=-85.812;40.697
p48=-85.855;40.813
p49=-86.094;41.526
p50=-86.268;42.374
p51=-86.313;42.854
p52=-86.347;43.242
p53=-86.335;44.132
p54=-86.228;45.045
p55=-86.023;45.982
p56=-85.710;46.948
p57=-85.460;47.530
p58=-85.277;47.945
p59=-84.706;48.976
p60=-83.973;50.037
p61=-83.966;50.046
p62=-83.009;51.163
p63=-82.574;51.600
p64=-81.759;52.336
p65=-81.177;52.804
p66=-80.061;53.581
p67=-79.778;53.762
p68=-78.383;54.524
p69=-77.431;54.938
p70=-77.000;55.119
p71=-75.643;55.562
p72=-74.328;55.855
p73=-73.072;56.003
p74=-71.893;56.006
p75=-70.810;55.860
p76=-69.845;55.555
p77=-69.641;55.445

[C5]

gain=-10
n_point=85
p1=-68.650;56.824
p2=-67.896;56.459
p3=-67.171;55.854
p4=-67.018;55.652
p5=-66.628;55.057

p6=-66.406;54.457
p7=-66.298;54.027
p8=-66.216;53.280
p9=-66.222;52.696
p10=-66.262;52.131
p11=-66.464;51.012
p12=-66.494;50.900
p13=-66.765;49.922
p14=-67.151;48.861
p15=-67.603;47.827
p16=-67.671;47.696
p17=-68.103;46.819
p18=-68.653;45.834
p19=-69.250;44.872
p20=-69.702;44.214
p21=-69.892;43.929
p22=-70.576;43.007
p23=-71.313;42.102
p24=-71.932;41.416
p25=-72.115;41.214
p26=-72.991;40.340
p27=-73.348;40.017
p28=-73.973;39.480
p29=-74.522;39.048
p30=-75.105;38.630
p31=-75.565;38.322
p32=-76.486;37.788
p33=-76.522;37.768
p34=-77.419;37.338
p35=-78.269;37.020
p36=-78.552;36.940
p37=-79.083;36.789
p38=-79.867;36.642
p39=-80.626;36.576
p40=-81.363;36.589
p41=-82.081;36.682
p42=-82.595;36.814
p43=-82.782;36.861
p44=-83.469;37.125
p45=-84.140;37.497
p46=-84.200;37.539
p47=-84.797;37.989
p48=-85.119;38.296
p49=-85.437;38.641
p50=-85.771;39.073
p51=-86.054;39.516
p52=-86.252;39.868
p53=-86.602;40.680
p54=-86.631;40.771
p55=-86.852;41.510
p56=-87.006;42.358
p57=-87.067;43.149
p58=-87.073;43.227
p59=-87.063;44.116
p60=-86.966;45.028
p61=-86.778;45.965
p62=-86.492;46.929

p63=-86.408;47.143
p64=-86.101;47.923
p65=-85.586;48.951
p66=-84.919;50.017
p67=-84.905;50.036
p68=-84.077;51.127
p69=-83.498;51.773
p70=-82.997;52.289
p71=-82.082;53.119
p72=-81.591;53.514
p73=-80.650;54.207
p74=-79.668;54.824
p75=-79.205;55.099
p76=-77.755;55.824
p77=-76.630;56.272
p78=-76.314;56.396
p79=-74.891;56.834
p80=-73.511;57.127
p81=-72.190;57.282
p82=-70.947;57.297
p83=-69.804;57.169
p84=-68.784;56.888
p85=-68.650;56.824

[C6]

gain=-15
n_point=97
p1=-67.472;59.758
p2=-66.333;59.542
p3=-65.327;59.167
p4=-64.520;58.617
p5=-64.470;58.563
p6=-63.882;57.923
p7=-63.571;57.262
p8=-63.477;57.025
p9=-63.304;55.974
p10=-63.300;55.916
p11=-63.353;54.718
p12=-63.378;54.547
p13=-63.573;53.502
p14=-63.769;52.813
p15=-63.907;52.323
p16=-64.316;51.182
p17=-64.648;50.415
p18=-64.783;50.075
p19=-65.282;49.001
p20=-65.828;47.955
p21=-66.408;46.937
p22=-67.016;45.944
p23=-67.652;44.975
p24=-68.316;44.027
p25=-69.013;43.100
p26=-69.753;42.191
p27=-69.905;42.019
p28=-70.520;41.301
p29=-71.345;40.425
p30=-71.613;40.163

p31=-72.229;39.565
p32=-72.933;38.944
p33=-73.200;38.718
p34=-74.071;38.037
p35=-74.286;37.882
p36=-75.097;37.329
p37=-75.553;37.055
p38=-76.047;36.767
p39=-76.939;36.325
p40=-77.163;36.232
p41=-77.789;35.970
p42=-78.603;35.701
p43=-79.388;35.511
p44=-80.149;35.391
p45=-80.321;35.378
p46=-80.891;35.332
p47=-81.563;35.341
p48=-81.614;35.342
p49=-82.323;35.413
p50=-83.019;35.554
p51=-83.701;35.774
p52=-84.234;36.017
p53=-84.372;36.080
p54=-85.034;36.467
p55=-85.406;36.746
p56=-85.685;36.967
p57=-86.227;37.495
p58=-86.326;37.602
p59=-86.849;38.261
p60=-86.953;38.415
p61=-87.335;39.043
p62=-87.560;39.508
p63=-87.712;39.840
p64=-87.996;40.654
p65=-88.119;41.156
p66=-88.201;41.485
p67=-88.337;42.334
p68=-88.398;43.202
p69=-88.388;44.091
p70=-88.307;45.002
p71=-88.152;45.937
p72=-87.916;46.899
p73=-87.589;47.890
p74=-87.152;48.913
p75=-86.870;49.455
p76=-86.600;49.972
p77=-85.911;51.073
p78=-85.464;51.679
p79=-85.047;52.221
p80=-84.041;53.342
p81=-83.960;53.426
p82=-82.580;54.699
p83=-82.579;54.699
p84=-81.074;55.848
p85=-80.755;56.060
p86=-79.529;56.830
p87=-78.166;57.545

p88=-77.962;57.650
p89=-76.364;58.354
p90=-74.775;58.910
p91=-73.359;59.292
p92=-73.204;59.335
p93=-71.655;59.650
p94=-70.172;59.828
p95=-68.777;59.868
p96=-67.500;59.764
p97=-67.472;59.758

[C7]

gain=-20
n_point=130
p1=-25.591;64.086
p2=-33.627;62.312
p3=-40.132;59.964
p4=-41.907;59.069
p5=-43.686;58.139
p6=-46.337;56.520
p7=-47.881;55.361
p8=-48.301;55.058
p9=-50.155;53.671
p10=-51.710;52.372
p11=-53.036;51.144
p12=-54.082;50.087
p13=-54.201;49.973
p14=-55.378;48.839
p15=-56.457;47.748
p16=-57.464;46.694
p17=-58.417;45.673
p18=-59.329;44.682
p19=-60.193;43.731
p20=-60.208;43.717
p21=-61.168;42.768
p22=-62.059;41.846
p23=-62.889;40.947
p24=-63.671;40.070
p25=-63.680;40.061
p26=-64.565;39.203
p27=-65.359;38.359
p28=-65.761;37.936
p29=-66.195;37.527
p30=-67.030;36.711
p31=-67.364;36.390
p32=-67.917;35.905
p33=-68.714;35.173
p34=-68.785;35.115
p35=-69.744;34.332
p36=-69.892;34.213
p37=-70.758;33.560
p38=-70.964;33.408
p39=-71.835;32.798
p40=-71.962;32.712
p41=-72.898;32.122
p42=-73.024;32.043
p43=-73.780;31.632

p44=-74.357;31.296
p45=-74.639;31.155
p46=-75.461;30.759
p47=-75.848;30.555
p48=-76.261;30.389
p49=-77.033;30.087
p50=-77.672;29.817
p51=-77.796;29.779
p52=-78.525;29.585
p53=-79.244;29.411
p54=-79.951;29.259
p55=-80.648;29.137
p56=-81.334;29.052
p57=-81.472;29.045
p58=-82.007;29.022
p59=-82.542;29.020
p60=-82.673;29.022
p61=-83.329;29.074
p62=-83.979;29.161
p63=-84.625;29.275
p64=-85.268;29.410
p65=-85.909;29.565
p66=-86.094;29.620
p67=-86.541;29.820
p68=-87.173;30.093
p69=-87.571;30.272
p70=-87.802;30.421
p71=-88.431;30.803
p72=-88.647;30.938
p73=-89.058;31.264
p74=-89.546;31.616
p75=-89.690;31.744
p76=-90.324;32.276
p77=-90.354;32.304
p78=-90.961;32.900
p79=-91.060;33.001
p80=-91.605;33.584
p81=-91.711;33.709
p82=-92.256;34.360
p83=-92.305;34.427
p84=-92.801;35.156
p85=-92.915;35.319
p86=-93.222;35.896
p87=-93.585;36.540
p88=-93.632;36.647
p89=-93.922;37.410
p90=-94.241;38.186
p91=-94.274;38.268
p92=-94.461;38.974
p93=-94.664;39.777
p94=-94.872;40.595
p95=-95.000;41.115
p96=-95.050;41.428
p97=-95.154;42.279
p98=-95.233;43.147
p99=-95.283;44.035
p100=-95.302;44.943

p101=-95.291;45.874
p102=-95.251;46.830
p103=-95.181;47.813
p104=-95.081;48.825
p105=-95.000;49.442
p106=-94.911;49.870
p107=-94.650;50.950
p108=-94.362;52.072
p109=-94.035;53.239
p110=-94.013;53.306
p111=-93.499;54.459
p112=-92.966;55.740
p113=-92.879;55.928
p114=-92.200;57.092
p115=-91.597;58.202
p116=-91.369;58.530
p117=-90.337;60.073
p118=-90.135;60.362
p119=-89.024;61.750
p120=-88.459;62.433
p121=-87.391;63.602
p122=-86.502;64.496
p123=-85.216;65.705
p124=-84.184;66.555
p125=-82.060;68.206
p126=-81.334;68.692
p127=-77.725;70.889
p128=-76.637;71.502
p129=-72.687;73.339
p130=-55.476;78.507

[C8]

gain=-20
n_point=0

[C9]

gain=-20
n_point=126
p1=-29.001;67.798
p2=-35.653;65.875
p3=-38.655;64.823
p4=-42.374;63.156
p5=-43.528;62.490
p6=-46.592;60.638
p7=-46.706;60.547
p8=-48.833;58.855
p9=-49.747;58.159
p10=-50.601;57.300
p11=-52.221;55.838
p12=-52.773;55.336
p13=-53.452;54.486
p14=-54.645;53.193
p15=-55.773;52.013
p16=-55.811;51.952
p17=-56.649;50.787
p18=-57.592;49.651
p19=-58.536;48.550

p20=-59.451;47.484
p21=-60.330;46.451
p22=-61.176;45.448
p23=-61.997;44.471
p24=-62.809;43.519
p25=-63.643;42.587
p26=-64.578;41.669
p27=-64.614;41.636
p28=-65.347;40.781
p29=-66.198;39.907
p30=-66.768;39.417
p31=-67.115;39.045
p32=-68.008;38.202
p33=-68.363;37.913
p34=-68.922;37.373
p35=-69.714;36.723
p36=-69.899;36.556
p37=-70.888;35.753
p38=-70.913;35.733
p39=-71.861;34.965
p40=-72.023;34.839
p41=-72.919;34.186
p42=-73.042;34.094
p43=-73.992;33.466
p44=-74.078;33.416
p45=-74.901;32.893
p46=-75.416;32.653
p47=-75.750;32.459
p48=-76.566;32.097
p49=-77.236;31.888
p50=-77.343;31.838
p51=-78.118;31.549
p52=-78.860;31.363
p53=-79.584;31.232
p54=-80.295;31.139
p55=-80.867;31.088
p56=-80.998;31.068
p57=-81.692;31.015
p58=-82.374;31.020
p59=-82.624;31.044
p60=-83.048;31.059
p61=-83.717;31.117
p62=-84.380;31.216
p63=-85.034;31.375
p64=-85.677;31.641
p65=-85.732;31.670
p66=-86.327;31.860
p67=-86.968;32.181
p68=-87.203;32.342
p69=-87.608;32.547
p70=-88.228;33.032
p71=-88.241;33.041
p72=-88.882;33.527
p73=-89.085;33.734
p74=-89.518;34.160
p75=-89.765;34.448
p76=-90.153;34.942

p77=-90.328;35.174
p78=-90.783;35.911
p79=-90.789;35.922
p80=-91.259;36.660
p81=-91.433;37.044
p82=-91.651;37.421
p83=-91.972;38.195
p84=-92.080;38.544
p85=-92.284;38.983
p86=-92.534;39.784
p87=-92.690;40.602
p88=-92.725;40.853
p89=-92.884;41.434
p90=-93.025;42.283
p91=-93.102;43.151
p92=-93.134;44.039
p93=-93.126;44.948
p94=-93.076;45.879
p95=-92.979;46.836
p96=-92.819;47.819
p97=-92.569;48.833
p98=-92.292;49.601
p99=-92.226;49.881
p100=-91.918;50.964
p101=-91.482;52.090
p102=-91.093;52.841
p103=-90.926;53.263
p104=-90.356;54.490
p105=-89.766;55.420
p106=-89.567;55.781
p107=-88.674;57.146
p108=-88.301;57.608
p109=-87.531;58.603
p110=-86.706;59.472
p111=-86.002;60.177
p112=-84.976;61.099
p113=-83.954;61.906
p114=-83.092;62.573
p115=-81.087;63.840
p116=-81.054;63.859
p117=-78.702;65.329
p118=-76.977;66.156
p119=-76.136;66.617
p120=-73.069;68.040
p121=-69.920;69.160
p122=-69.833;69.197
p123=-65.046;70.966
p124=-59.256;72.589
p125=-49.282;74.819
p126=-42.400;75.342

[C10]

gain=-20
n_point=0

[C11]

gain=-20

n_point=105
p1=-64.978;61.556
p2=-64.228;61.445
p3=-63.117;61.106
p4=-62.236;60.592
p5=-61.936;60.281
p6=-61.566;59.922
p7=-61.141;59.072
p8=-61.100;58.889
p9=-60.947;58.042
p10=-60.956;57.512
p11=-61.021;56.783
p12=-61.128;56.177
p13=-61.366;55.258
p14=-61.469;54.890
p15=-61.906;53.649
p16=-62.023;53.371
p17=-62.383;52.454
p18=-62.921;51.298
p19=-63.166;50.829
p20=-63.474;50.181
p21=-64.049;49.097
p22=-64.657;48.043
p23=-65.287;47.019
p24=-65.935;46.020
p25=-66.599;45.046
p26=-67.283;44.095
p27=-67.992;43.164
p28=-68.735;42.252
p29=-69.104;41.832
p30=-69.503;41.359
p31=-70.304;40.482
p32=-70.870;39.917
p33=-71.163;39.620
p34=-72.078;38.773
p35=-72.229;38.642
p36=-73.069;37.938
p37=-73.395;37.683
p38=-74.176;37.114
p39=-74.444;36.928
p40=-75.410;36.326
p41=-75.459;36.299
p42=-76.320;35.826
p43=-77.073;35.488
p44=-77.180;35.438
p45=-78.007;35.114
p46=-78.802;34.875
p47=-79.571;34.706
p48=-79.925;34.654
p49=-80.320;34.591
p50=-81.052;34.535
p51=-81.767;34.543
p52=-82.205;34.589
p53=-82.469;34.613
p54=-83.160;34.736
p55=-83.839;34.928
p56=-84.507;35.205

p57=-84.621;35.265
p58=-85.169;35.544
p59=-85.813;35.983
p60=-85.821;35.989
p61=-86.467;36.523
p62=-86.667;36.721
p63=-87.105;37.198
p64=-87.329;37.475
p65=-87.732;38.054
p66=-87.854;38.243
p67=-88.274;39.027
p68=-88.344;39.190
p69=-88.614;39.826
p70=-88.864;40.640
p71=-88.917;40.878
p72=-89.058;41.472
p73=-89.184;42.321
p74=-89.242;43.189
p75=-89.235;44.078
p76=-89.166;44.988
p77=-89.031;45.922
p78=-88.824;46.882
p79=-88.534;47.871
p80=-88.145;48.892
p81=-87.728;49.769
p82=-87.644;49.948
p83=-87.042;51.044
p84=-86.341;52.087
p85=-86.272;52.187
p86=-85.339;53.382
p87=-84.916;53.853
p88=-84.162;54.641
p89=-83.435;55.320
p90=-82.658;55.979
p91=-81.895;56.575
p92=-80.666;57.419
p93=-80.302;57.657
p94=-78.652;58.605
p95=-77.825;59.006
p96=-76.959;59.424
p97=-75.234;60.122
p98=-73.511;60.679
p99=-72.667;60.894
p100=-71.783;61.132
p101=-70.079;61.469
p102=-68.443;61.670
p103=-66.904;61.734
p104=-65.498;61.653
p105=-64.978;61.556