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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=10

[B1]
gain=0.00
p=-98.272;44.957

[C1]
gain=-2
n_point=39
p1=-97.693;49.880
p2=-96.801;49.511
p3=-95.888;48.882
p4=-95.829;48.826
p5=-95.003;47.813
p6=-95.000;47.807
p7=-94.559;46.830
p8=-94.319;45.875
p9=-94.259;44.944
p10=-94.368;44.035
p11=-94.638;43.147
p12=-95.000;42.420
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p15=-95.848;41.429
p16=-96.520;40.991
p17=-97.269;40.704
p18=-98.021;40.609
p19=-98.784;40.700
p20=-99.565;40.984
p21=-100.354;41.464
p22=-100.375;41.480
p23=-101.208;42.327
p24=-101.247;42.380
p25=-101.756;43.205
p26=-102.141;44.101
p27=-102.368;45.015
p28=-102.433;45.949
p29=-102.324;46.904
p30=-102.019;47.882
p31=-101.982;47.955
p32=-101.345;48.882
p33=-101.245;48.989

p34=-100.422;49.587
p35=-99.634;49.901
p36=-99.552;49.929
p37=-98.647;50.015
p38=-97.726;49.892
p39=-97.693;49.880

[C2]

gain=-4
n_point=55
p1=-97.841;52.084
p2=-96.902;51.809
p3=-95.940;51.343
p4=-95.369;50.951
p5=-95.000;50.659
p6=-94.239;49.870
p7=-94.096;49.688
p8=-93.545;48.828
p9=-93.251;48.205
p10=-93.092;47.818
p11=-92.826;46.837
p12=-92.696;45.881
p13=-92.689;44.950
p14=-92.795;44.041
p15=-93.011;43.152
p16=-93.338;42.282
p17=-93.451;42.060
p18=-93.812;41.430
p19=-94.242;40.848
p20=-94.466;40.595
p21=-95.000;40.098
p22=-95.447;39.778
p23=-95.742;39.593
p24=-96.476;39.268
p25=-97.208;39.078
p26=-97.942;39.016
p27=-98.683;39.078
p28=-99.435;39.268
p29=-100.205;39.596
p30=-100.573;39.814
p31=-101.003;40.102
p32=-101.644;40.648
p33=-101.845;40.851
p34=-102.392;41.496
p35=-102.775;42.052
p36=-102.967;42.358
p37=-103.403;43.237
p38=-103.734;44.133
p39=-103.961;45.049
p40=-104.081;45.985
p41=-104.085;46.943
p42=-103.960;47.925
p43=-103.832;48.409
p44=-103.661;48.932
p45=-103.205;49.854
p46=-103.134;49.966
p47=-102.450;50.794

p48=-102.182;51.027
p49=-101.616;51.447
p50=-100.727;51.882
p51=-99.886;52.108
p52=-99.799;52.129
p53=-98.843;52.194
p54=-97.874;52.093
p55=-97.841;52.084

[C3]

gain=-6
n_point=69
p1=-96.246;53.240
p2=-95.983;53.130
p3=-95.000;52.552
p4=-94.387;52.072
p5=-94.050;51.774
p6=-93.310;50.954
p7=-93.147;50.738
p8=-92.599;49.878
p9=-92.311;49.292
p10=-92.113;48.837
p11=-91.797;47.827
p12=-91.610;46.846
p13=-91.604;46.778
p14=-91.536;45.890
p15=-91.560;44.959
p16=-91.674;44.049
p17=-91.825;43.378
p18=-91.876;43.159
p19=-92.169;42.289
p20=-92.560;41.436
p21=-92.713;41.170
p22=-93.073;40.599
p23=-93.504;40.044
p24=-93.743;39.779
p25=-94.262;39.286
p26=-94.667;38.974
p27=-95.000;38.745
p28=-95.727;38.362
p29=-96.207;38.187
p30=-96.449;38.103
p31=-97.169;37.954
p32=-97.891;37.905
p33=-98.618;37.955
p34=-99.353;38.106
p35=-99.658;38.210
p36=-100.102;38.368
p37=-100.871;38.757
p38=-101.276;39.020
p39=-101.669;39.302
p40=-102.287;39.840
p41=-102.510;40.061
p42=-103.050;40.673
p43=-103.429;41.181
p44=-103.664;41.521
p45=-104.160;42.383

p46=-104.556;43.242
p47=-104.565;43.263
p48=-104.883;44.161
p49=-105.120;45.078
p50=-105.272;46.016
p51=-105.334;46.976
p52=-105.328;47.119
p53=-105.291;47.961
p54=-105.126;48.971
p55=-104.972;49.512
p56=-104.804;50.009
p57=-104.362;50.927
p58=-104.271;51.078
p59=-103.627;51.936
p60=-103.387;52.178
p61=-102.807;52.688
p62=-101.922;53.238
p63=-101.752;53.308
p64=-100.985;53.609
p65=-100.012;53.817
p66=-99.013;53.873
p67=-98.001;53.779
p68=-96.987;53.534
p69=-96.246;53.240

[C4]

gain=-8
n_point=77
p1=-95.772;54.457
p2=-95.000;54.056
p3=-94.011;53.364
p4=-93.869;53.240
p5=-93.067;52.469
p6=-92.734;52.079
p7=-92.180;51.318
p8=-91.959;50.964
p9=-91.417;49.888
p10=-91.373;49.777
p11=-91.043;48.847
p12=-90.802;47.837
p13=-90.715;47.204
p14=-90.668;46.856
p15=-90.628;45.900
p16=-90.674;44.968
p17=-90.797;44.057
p18=-90.998;43.167
p19=-91.060;42.969
p20=-91.273;42.296
p21=-91.629;41.442
p22=-91.969;40.801
p23=-92.079;40.605
p24=-92.641;39.784
p25=-92.772;39.621
p26=-93.358;38.977
p27=-93.535;38.807
p28=-94.274;38.209
p29=-94.309;38.185

p30=-95.000;37.765
p31=-95.717;37.442
p32=-95.819;37.409
p33=-96.430;37.219
p34=-97.140;37.090
p35=-97.853;37.048
p36=-98.570;37.092
p37=-99.294;37.224
p38=-99.986;37.437
p39=-100.030;37.451
p40=-100.781;37.779
p41=-101.554;38.229
p42=-101.562;38.234
p43=-102.359;38.833
p44=-102.595;39.041
p45=-103.211;39.649
p46=-103.404;39.861
p47=-104.065;40.694
p48=-104.145;40.813
p49=-104.618;41.542
p50=-105.082;42.405
p51=-105.296;42.892
p52=-105.471;43.286
p53=-105.789;44.185
p54=-106.037;45.104
p55=-106.213;46.043
p56=-106.310;47.005
p57=-106.316;47.581
p58=-106.321;47.991
p59=-106.234;49.004
p60=-106.027;50.037
p61=-106.025;50.046
p62=-105.659;51.118
p63=-105.465;51.533
p64=-105.074;52.225
p65=-104.774;52.660
p66=-104.150;53.367
p67=-103.987;53.531
p68=-103.122;54.198
p69=-102.483;54.545
p70=-102.195;54.694
p71=-101.219;55.034
p72=-100.206;55.225
p73=-99.168;55.274
p74=-98.117;55.185
p75=-97.064;54.956
p76=-96.021;54.581
p77=-95.772;54.457

[C5]

gain=-10
n_point=85
p1=-95.896;55.734
p2=-95.000;55.316
p3=-93.976;54.668
p4=-93.712;54.458
p5=-92.997;53.848

p6=-92.429;53.248
p7=-92.073;52.822
p8=-91.555;52.090
p9=-91.220;51.522
p10=-90.934;50.975
p11=-90.495;49.899
p12=-90.463;49.793
p13=-90.190;48.858
p14=-90.000;47.848
p15=-89.907;46.866
p16=-89.905;46.742
p17=-89.891;45.909
p18=-89.953;44.977
p19=-90.086;44.066
p20=-90.228;43.445
p21=-90.287;43.175
p22=-90.552;42.303
p23=-90.889;41.449
p24=-91.209;40.803
p25=-91.307;40.612
p26=-91.814;39.789
p27=-92.035;39.486
p28=-92.438;38.982
p29=-92.809;38.578
p30=-93.221;38.189
p31=-93.555;37.902
p32=-94.255;37.409
p33=-94.283;37.391
p34=-95.000;36.999
p35=-95.709;36.715
p36=-95.954;36.646
p37=-96.414;36.516
p38=-97.118;36.398
p39=-97.824;36.360
p40=-98.533;36.400
p41=-99.249;36.520
p42=-99.780;36.670
p43=-99.974;36.724
p44=-100.713;37.014
p45=-101.471;37.412
p46=-101.541;37.457
p47=-102.254;37.931
p48=-102.658;38.252
p49=-103.072;38.611
p50=-103.531;39.059
p51=-103.946;39.516
p52=-104.251;39.879
p53=-104.858;40.712
p54=-104.917;40.805
p55=-105.382;41.560
p56=-105.828;42.425
p57=-106.172;43.227
p58=-106.207;43.306
p59=-106.529;44.206
p60=-106.788;45.126
p61=-106.982;46.067
p62=-107.106;47.030

p63=-107.115;47.243
p64=-107.158;48.018
p65=-107.125;49.033
p66=-106.985;50.078
p67=-106.981;50.096
p68=-106.724;51.154
p69=-106.502;51.773
p70=-106.295;52.264
p71=-105.874;53.045
p72=-105.629;53.412
p73=-105.137;54.047
p74=-104.577;54.601
p75=-104.310;54.844
p76=-103.410;55.465
p77=-102.656;55.828
p78=-102.447;55.928
p79=-101.436;56.252
p80=-100.387;56.432
p81=-99.312;56.477
p82=-98.224;56.390
p83=-97.135;56.168
p84=-96.056;55.808
p85=-95.896;55.734

[C6]

gain=-15
n_point=97
p1=-97.263;58.516
p2=-96.134;58.200
p3=-95.000;57.744
p4=-93.902;57.138
p5=-93.819;57.082
p6=-92.850;56.411
p7=-92.104;55.747
p8=-91.855;55.510
p9=-90.971;54.482
p10=-90.928;54.425
p11=-90.170;53.274
p12=-90.080;53.111
p13=-89.584;52.116
p14=-89.331;51.464
p15=-89.160;51.001
p16=-88.859;49.925
p17=-88.724;49.203
p18=-88.661;48.882
p19=-88.541;47.871
p20=-88.504;46.888
p21=-88.536;45.930
p22=-88.629;44.997
p23=-88.778;44.085
p24=-88.983;43.193
p25=-89.244;42.320
p26=-89.568;41.465
p27=-89.641;41.303
p28=-89.941;40.626
p29=-90.388;39.802
p30=-90.544;39.557

p31=-90.910;38.994
p32=-91.356;38.411
p33=-91.531;38.199
p34=-92.125;37.562
p35=-92.277;37.417
p36=-92.866;36.902
p37=-93.210;36.648
p38=-93.588;36.381
p39=-94.298;35.976
p40=-94.483;35.893
p41=-95.000;35.655
p42=-95.696;35.417
p43=-96.389;35.256
p44=-97.081;35.163
p45=-97.241;35.156
p46=-97.774;35.130
p47=-98.420;35.163
p48=-98.470;35.166
p49=-99.171;35.262
p50=-99.881;35.427
p51=-100.600;35.671
p52=-101.183;35.934
p53=-101.335;36.001
p54=-102.087;36.413
p55=-102.528;36.707
p56=-102.864;36.940
p57=-103.547;37.491
p58=-103.674;37.602
p59=-104.384;38.286
p60=-104.533;38.445
p61=-105.102;39.093
p62=-105.469;39.572
p63=-105.725;39.913
p64=-106.273;40.748
p65=-106.562;41.260
p66=-106.757;41.598
p67=-107.190;42.464
p68=-107.566;43.347
p69=-107.891;44.249
p70=-108.169;45.171
p71=-108.399;46.115
p72=-108.575;47.081
p73=-108.692;48.073
p74=-108.737;49.092
p75=-108.718;49.629
p76=-108.708;50.141
p77=-108.594;51.223
p78=-108.477;51.813
p79=-108.365;52.340
p80=-108.020;53.418
p81=-107.990;53.498
p82=-107.421;54.699
p83=-107.421;54.699
p84=-106.709;55.757
p85=-106.543;55.948
p86=-105.902;56.635
p87=-105.119;57.249

p88=-105.004;57.338
p89=-104.037;57.915
p90=-103.000;58.336
p91=-102.016;58.592
p92=-101.911;58.621
p93=-100.785;58.794
p94=-99.630;58.834
p95=-98.461;58.745
p96=-97.290;58.525
p97=-97.263;58.516

[C7]

gain=-20
n_point=148
p1=-85.488;81.035
p2=-83.813;76.940
p3=-83.271;75.169
p4=-83.193;74.563
p5=-82.578;72.412
p6=-81.937;71.111
p7=-81.822;70.660
p8=-81.253;68.812
p9=-81.085;68.261
p10=-80.824;66.882
p11=-80.635;65.924
p12=-80.506;64.867
p13=-80.411;63.894
p14=-80.315;62.693
p15=-80.291;62.076
p16=-80.186;60.433
p17=-80.185;60.418
p18=-80.229;58.878
p19=-80.164;57.957
p20=-80.172;57.442
p21=-80.176;56.086
p22=-80.136;55.466
p23=-80.169;54.801
p24=-80.228;53.573
p25=-80.223;52.643
p26=-80.247;52.399
p27=-80.404;51.264
p28=-80.555;50.171
p29=-80.696;49.115
p30=-80.816;48.191
p31=-80.836;48.091
p32=-81.063;47.095
p33=-81.297;46.126
p34=-81.544;45.181
p35=-81.805;44.259
p36=-82.083;43.358
p37=-82.372;42.491
p38=-82.377;42.477
p39=-82.769;41.611
p40=-83.143;40.764
p41=-83.502;39.933
p42=-83.851;39.118
p43=-83.855;39.110

p44=-84.313;38.315
p45=-84.719;37.527
p46=-84.933;37.132
p47=-85.182;36.751
p48=-85.663;35.986
p49=-85.862;35.686
p50=-86.208;35.233
p51=-86.709;34.545
p52=-86.756;34.490
p53=-87.398;33.757
p54=-87.500;33.645
p55=-88.107;33.033
p56=-88.255;32.890
p57=-88.890;32.319
p58=-88.984;32.239
p59=-89.693;31.687
p60=-89.790;31.613
p61=-90.385;31.231
p62=-90.839;30.917
p63=-91.068;30.787
p64=-91.739;30.419
p65=-92.055;30.229
p66=-92.402;30.077
p67=-93.058;29.800
p68=-93.602;29.551
p69=-93.710;29.516
p70=-94.356;29.344
p71=-95.000;29.191
p72=-95.642;29.059
p73=-96.282;28.957
p74=-96.921;28.891
p75=-97.053;28.887
p76=-97.562;28.879
p77=-98.077;28.892
p78=-98.204;28.897
p79=-98.849;28.967
p80=-99.498;29.071
p81=-100.151;29.202
p82=-100.808;29.355
p83=-101.470;29.528
p84=-101.664;29.589
p85=-102.145;29.802
p86=-102.827;30.093
p87=-103.261;30.284
p88=-103.522;30.440
p89=-104.231;30.843
p90=-104.477;30.985
p91=-104.959;31.324
p92=-105.529;31.694
p93=-105.702;31.827
p94=-106.466;32.383
p95=-106.504;32.412
p96=-107.261;33.033
p97=-107.386;33.139
p98=-108.086;33.746
p99=-108.225;33.875
p100=-108.951;34.553

p101=-109.019;34.623
p102=-109.723;35.379
p103=-109.886;35.549
p104=-110.362;36.145
p105=-110.923;36.814
p106=-111.003;36.924
p107=-111.529;37.712
p108=-112.103;38.516
p109=-112.163;38.600
p110=-112.584;39.330
p111=-113.065;40.159
p112=-113.570;41.006
p113=-113.894;41.545
p114=-114.061;41.869
p115=-114.494;42.747
p116=-114.922;43.645
p117=-115.344;44.563
p118=-115.761;45.503
p119=-116.177;46.467
p120=-116.596;47.458
p121=-117.025;48.477
p122=-117.467;49.529
p123=-117.730;50.171
p124=-117.882;50.614
p125=-118.257;51.734
p126=-118.675;52.900
p127=-119.139;54.117
p128=-119.163;54.186
p129=-119.461;55.378
p130=-119.922;56.712
p131=-119.988;56.909
p132=-120.268;58.110
p133=-120.679;59.269
p134=-120.755;59.607
p135=-121.290;61.214
p136=-121.403;61.517
p137=-121.883;62.959
p138=-122.178;63.675
p139=-122.691;64.898
p140=-123.122;65.835
p141=-123.811;67.111
p142=-124.290;68.003
p143=-125.571;69.767
p144=-125.947;70.281
p145=-128.361;72.679
p146=-129.426;73.403
p147=-133.645;75.709
p148=-138.259;77.816

[C8]

gain=-20
n_point=0

[C9]

gain=-20
n_point=145
p1=-99.338;70.749

p2=-98.731;70.666
p3=-96.828;70.286
p4=-95.000;69.764
p5=-93.282;69.036
p6=-91.736;67.940
p7=-91.662;67.872
p8=-90.272;67.143
p9=-88.989;66.015
p10=-88.655;65.594
p11=-87.818;64.886
p12=-86.915;63.617
p13=-86.821;63.509
p14=-85.892;62.210
p15=-85.690;61.842
p16=-85.089;60.770
p17=-84.821;60.217
p18=-84.408;59.173
p19=-84.211;58.706
p20=-83.861;57.358
p21=-83.834;57.286
p22=-83.471;55.948
p23=-83.412;55.392
p24=-83.229;54.674
p25=-83.129;53.455
p26=-83.123;53.031
p27=-82.984;52.289
p28=-82.945;51.165
p29=-83.009;50.133
p30=-83.000;50.078
p31=-82.937;49.031
p32=-83.014;48.013
p33=-83.158;47.022
p34=-83.340;46.057
p35=-83.549;45.116
p36=-83.779;44.197
p37=-84.031;43.300
p38=-84.313;42.421
p39=-84.644;41.560
p40=-85.085;40.713
p41=-85.104;40.683
p42=-85.426;39.886
p43=-85.857;39.071
p44=-86.185;38.618
p45=-86.366;38.270
p46=-86.881;37.483
p47=-87.103;37.214
p48=-87.434;36.708
p49=-87.946;36.101
p50=-88.063;35.944
p51=-88.723;35.193
p52=-88.740;35.174
p53=-89.391;34.452
p54=-89.505;34.334
p55=-90.151;33.722
p56=-90.240;33.635
p57=-90.954;33.047
p58=-91.020;33.002

p59=-91.653;32.511
p60=-92.072;32.291
p61=-92.337;32.109
p62=-93.011;31.776
p63=-93.589;31.589
p64=-93.678;31.544
p65=-94.341;31.281
p66=-95.000;31.118
p67=-95.656;31.009
p68=-96.312;30.938
p69=-96.846;30.904
p70=-96.967;30.888
p71=-97.622;30.855
p72=-98.280;30.881
p73=-98.526;30.912
p74=-98.940;30.940
p75=-99.603;31.017
p76=-100.270;31.136
p77=-100.946;31.315
p78=-101.634;31.600
p79=-101.695;31.631
p80=-102.325;31.839
p81=-103.032;32.181
p82=-103.302;32.350
p83=-103.753;32.569
p84=-104.484;33.076
p85=-104.500;33.085
p86=-105.259;33.596
p87=-105.513;33.810
p88=-106.055;34.255
p89=-106.377;34.554
p90=-106.896;35.065
p91=-107.135;35.306
p92=-107.793;36.068
p93=-107.802;36.079
p94=-108.488;36.844
p95=-108.775;37.239
p96=-109.110;37.631
p97=-109.671;38.429
p98=-109.889;38.788
p99=-110.239;39.242
p100=-110.757;40.069
p101=-111.193;40.908
p102=-111.316;41.167
p103=-111.690;41.767
p104=-112.149;42.643
p105=-112.563;43.535
p106=-112.952;44.448
p107=-113.325;45.381
p108=-113.684;46.338
p109=-114.024;47.320
p110=-114.334;48.328
p111=-114.587;49.363
p112=-114.702;50.143
p113=-114.788;50.430
p114=-115.087;51.539
p115=-115.312;52.686

p116=-115.378;53.445
p117=-115.483;53.876
p118=-115.740;55.124
p119=-115.799;56.060
p120=-115.869;56.426
p121=-116.036;57.801
p122=-116.034;58.260
p123=-116.115;59.255
p124=-116.063;60.109
p125=-116.021;60.798
p126=-115.901;61.688
p127=-115.710;62.452
p128=-115.578;63.080
p129=-115.023;64.223
p130=-115.013;64.241
p131=-114.579;65.554
p132=-114.001;66.226
p133=-113.864;66.617
p134=-113.132;67.734
p135=-112.040;68.464
p136=-112.027;68.490
p137=-111.150;69.617
p138=-109.833;70.314
p139=-108.244;70.753
p140=-106.475;71.005
p141=-106.355;71.011
p142=-104.715;71.341
p143=-102.768;71.368
p144=-100.738;71.115
p145=-99.338;70.749

[C10]

gain=-20
n_point=105
p1=-96.901;60.041
p2=-96.195;59.858
p3=-95.000;59.420
p4=-93.844;58.839
p5=-93.335;58.512
p6=-92.737;58.133
p7=-91.691;57.279
p8=-91.508;57.100
p9=-90.713;56.276
p10=-90.310;55.769
p11=-89.815;55.076
p12=-89.461;54.504
p13=-89.010;53.641
p14=-88.844;53.296
p15=-88.392;52.137
p16=-88.313;51.879
p17=-88.052;51.022
p18=-87.829;49.944
p19=-87.772;49.508
p20=-87.679;48.901
p21=-87.603;47.889
p22=-87.600;46.905
p23=-87.658;45.947

p24=-87.770;45.012
p25=-87.932;44.099
p26=-88.142;43.207
p27=-88.403;42.333
p28=-88.720;41.477
p29=-88.895;41.083
p30=-89.084;40.637
p31=-89.501;39.813
p32=-89.822;39.283
p33=-89.990;39.003
p34=-90.551;38.208
p35=-90.648;38.085
p36=-91.202;37.425
p37=-91.425;37.186
p38=-91.978;36.655
p39=-92.171;36.481
p40=-92.896;35.922
p41=-92.935;35.897
p42=-93.607;35.460
p43=-94.220;35.151
p44=-94.307;35.106
p45=-95.000;34.814
p46=-95.688;34.604
p47=-96.373;34.462
p48=-96.697;34.423
p49=-97.058;34.373
p50=-97.743;34.342
p51=-98.432;34.375
p52=-98.865;34.435
p53=-99.125;34.468
p54=-99.825;34.614
p55=-100.534;34.830
p56=-101.256;35.130
p57=-101.382;35.194
p58=-101.992;35.493
p59=-102.740;35.957
p60=-102.750;35.963
p61=-103.533;36.523
p62=-103.784;36.730
p63=-104.352;37.225
p64=-104.653;37.513
p65=-105.223;38.112
p66=-105.400;38.308
p67=-106.056;39.116
p68=-106.177;39.284
p69=-106.648;39.937
p70=-107.164;40.773
p71=-107.296;41.016
p72=-107.640;41.624
p73=-108.066;42.491
p74=-108.442;43.376
p75=-108.775;44.279
p76=-109.067;45.203
p77=-109.318;46.148
p78=-109.526;47.118
p79=-109.682;48.112
p80=-109.776;49.134

p81=-109.791;50.007
p82=-109.799;50.186
p83=-109.771;51.272
p84=-109.645;52.295
p85=-109.633;52.393
p86=-109.406;53.557
p87=-109.273;54.011
p88=-109.024;54.765
p89=-108.751;55.407
p90=-108.433;56.024
p91=-108.105;56.575
p92=-107.521;57.339
p93=-107.347;57.552
p94=-106.495;58.380
p95=-106.027;58.715
p96=-105.554;59.062
p97=-104.535;59.611
p98=-103.441;60.009
p99=-102.870;60.144
p100=-102.296;60.295
p101=-101.107;60.463
p102=-99.888;60.499
p103=-98.652;60.408
p104=-97.416;60.187
p105=-96.901;60.041