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

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beam_id=RD2
emi_rcp=E
polar_disc=C
reason=C
n_bore=1
n_cont=10

[B1]
gain=0.00
p=-108.302;45.176

[C1]
gain=-2
n_point=39
p1=-108.854;50.147
p2=-107.816;49.742
p3=-106.700;49.076
p4=-106.624;49.017
p5=-105.523;47.967
p6=-105.519;47.961
p7=-104.843;46.963
p8=-104.391;45.993
p9=-104.140;45.053
p10=-104.075;44.141
p11=-104.188;43.254
p12=-104.430;42.531
p13=-104.496;42.391
p14=-105.060;41.620
p15=-105.133;41.554
p16=-105.752;41.129
p17=-106.480;40.857
p18=-107.245;40.778
p19=-108.054;40.888
p20=-108.919;41.193
p21=-109.829;41.697
p22=-109.855;41.713
p23=-110.886;42.592
p24=-110.938;42.647
p25=-111.635;43.496
p26=-112.224;44.415
p27=-112.660;45.350
p28=-112.938;46.302
p29=-113.043;47.271
p30=-112.955;48.258
p31=-112.934;48.332
p32=-112.487;49.256
p33=-112.408;49.361

p34=-111.683;49.942
p35=-110.923;50.235
p36=-110.843;50.260
p37=-109.901;50.316
p38=-108.892;50.160
p39=-108.854;50.147

[C2]

gain=-4
n_point=55
p1=-109.649;52.394
p2=-108.568;52.079
p3=-107.417;51.571
p4=-106.708;51.153
p5=-106.242;50.844
p6=-105.242;50.022
p7=-105.047;49.833
p8=-104.264;48.947
p9=-103.812;48.310
p10=-103.560;47.915
p11=-103.068;46.919
p12=-102.734;45.955
p13=-102.539;45.018
p14=-102.473;44.107
p15=-102.529;43.219
p16=-102.709;42.353
p17=-102.786;42.132
p18=-103.049;41.508
p19=-103.392;40.933
p20=-103.581;40.684
p21=-104.049;40.195
p22=-104.457;39.883
p23=-104.732;39.704
p24=-105.438;39.392
p25=-106.164;39.218
p26=-106.915;39.171
p27=-107.693;39.249
p28=-108.507;39.458
p29=-109.364;39.805
p30=-109.785;40.034
p31=-110.285;40.335
p32=-111.053;40.903
p33=-111.301;41.113
p34=-111.995;41.780
p35=-112.505;42.353
p36=-112.768;42.669
p37=-113.406;43.573
p38=-113.946;44.494
p39=-114.389;45.433
p40=-114.733;46.390
p41=-114.968;47.368
p42=-115.081;48.368
p43=-115.069;48.859
p44=-115.024;49.387
p45=-114.786;50.315
p46=-114.740;50.427
p47=-114.236;51.250

p48=-114.014;51.479
p49=-113.525;51.887
p50=-112.693;52.298
p51=-111.851;52.497
p52=-111.764;52.515
p53=-110.755;52.545
p54=-109.686;52.404
p55=-109.649;52.394

[C3]

gain=-6
n_point=69
p1=-108.323;53.511
p2=-108.010;53.389
p3=-106.795;52.764
p4=-106.010;52.254
p5=-105.572;51.941
p6=-104.575;51.086
p7=-104.347;50.862
p8=-103.558;49.976
p9=-103.115;49.376
p10=-102.802;48.912
p11=-102.243;47.886
p12=-101.835;46.894
p13=-101.815;46.826
p14=-101.559;45.932
p15=-101.396;44.997
p16=-101.338;44.086
p17=-101.368;43.417
p18=-101.380;43.199
p19=-101.525;42.332
p20=-101.778;41.485
p21=-101.889;41.221
p22=-102.164;40.657
p23=-102.516;40.109
p24=-102.718;39.848
p25=-103.172;39.364
p26=-103.540;39.059
p27=-103.846;38.836
p28=-104.536;38.465
p29=-105.003;38.299
p30=-105.240;38.220
p31=-105.961;38.084
p32=-106.700;38.050
p33=-107.461;38.116
p34=-108.248;38.283
p35=-108.582;38.395
p36=-109.069;38.564
p37=-109.934;38.973
p38=-110.401;39.248
p39=-110.860;39.542
p40=-111.602;40.101
p41=-111.874;40.330
p42=-112.554;40.963
p43=-113.047;41.487
p44=-113.360;41.837
p45=-114.056;42.727

p46=-114.653;43.611
p47=-114.667;43.632
p48=-115.200;44.555
p49=-115.660;45.498
p50=-116.045;46.460
p51=-116.349;47.444
p52=-116.380;47.589
p53=-116.558;48.450
p54=-116.656;49.481
p55=-116.641;50.030
p56=-116.602;50.535
p57=-116.394;51.461
p58=-116.341;51.613
p59=-115.905;52.471
p60=-115.719;52.710
p61=-115.248;53.211
p62=-114.460;53.740
p63=-114.297;53.805
p64=-113.559;54.081
p65=-112.567;54.254
p66=-111.500;54.270
p67=-110.375;54.131
p68=-109.208;53.840
p69=-108.323;53.511

[C4]

gain=-8
n_point=77
p1=-108.235;54.731
p2=-107.283;54.292
p3=-106.019;53.550
p4=-105.831;53.419
p5=-104.762;52.609
p6=-104.303;52.202
p7=-103.517;51.415
p8=-103.192;51.050
p9=-102.355;49.948
p10=-102.283;49.835
p11=-101.718;48.889
p12=-101.238;47.867
p13=-101.009;47.229
p14=-100.886;46.878
p15=-100.645;45.917
p16=-100.505;44.983
p17=-100.456;44.073
p18=-100.496;43.185
p19=-100.524;42.988
p20=-100.622;42.318
p21=-100.839;41.470
p22=-101.078;40.835
p23=-101.159;40.641
p24=-101.601;39.829
p25=-101.709;39.668
p26=-102.208;39.035
p27=-102.363;38.867
p28=-103.030;38.282
p29=-103.062;38.259

p30=-103.708;37.850
p31=-104.398;37.540
p32=-104.497;37.510
p33=-105.098;37.331
p34=-105.812;37.215
p35=-106.542;37.187
p36=-107.291;37.245
p37=-108.062;37.393
p38=-108.813;37.622
p39=-108.861;37.636
p40=-109.695;37.983
p41=-110.574;38.454
p42=-110.584;38.460
p43=-111.517;39.083
p44=-111.801;39.299
p45=-112.553;39.929
p46=-112.795;40.148
p47=-113.644;41.009
p48=-113.751;41.131
p49=-114.392;41.884
p50=-115.058;42.774
p51=-115.387;43.275
p52=-115.657;43.682
p53=-116.195;44.607
p54=-116.673;45.552
p55=-117.090;46.518
p56=-117.439;47.507
p57=-117.598;48.098
p58=-117.715;48.519
p59=-117.904;49.556
p60=-117.982;50.611
p61=-117.982;50.620
p62=-117.913;51.712
p63=-117.834;52.132
p64=-117.630;52.830
p65=-117.446;53.267
p66=-117.000;53.971
p67=-116.877;54.133
p68=-116.157;54.785
p69=-115.575;55.114
p70=-115.311;55.255
p71=-114.357;55.562
p72=-113.311;55.712
p73=-112.191;55.716
p74=-111.012;55.577
p75=-109.792;55.296
p76=-108.544;54.869
p77=-108.235;54.731

[C5]

gain=-10
n_point=85
p1=-108.838;56.041
p2=-107.730;55.575
p3=-106.421;54.872
p4=-106.073;54.649
p5=-105.124;54.002

p6=-104.345;53.373
p7=-103.847;52.929
p8=-103.098;52.171
p9=-102.594;51.587
p10=-102.152;51.026
p11=-101.425;49.930
p12=-101.365;49.822
p13=-100.859;48.874
p14=-100.433;47.854
p15=-100.123;46.866
p16=-100.095;46.742
p17=-99.907;45.907
p18=-99.783;44.973
p19=-99.744;44.064
p20=-99.772;43.445
p21=-99.784;43.176
p22=-99.898;42.309
p23=-100.095;41.460
p24=-100.314;40.819
p25=-100.382;40.630
p26=-100.766;39.817
p27=-100.945;39.518
p28=-101.277;39.020
p29=-101.595;38.622
p30=-101.957;38.240
p31=-102.257;37.959
p32=-102.901;37.479
p33=-102.927;37.460
p34=-103.605;37.081
p35=-104.292;36.809
p36=-104.534;36.745
p37=-104.989;36.623
p38=-105.698;36.518
p39=-106.421;36.493
p40=-107.160;36.547
p41=-107.919;36.682
p42=-108.493;36.844
p43=-108.703;36.903
p44=-109.516;37.210
p45=-110.368;37.628
p46=-110.449;37.674
p47=-111.270;38.169
p48=-111.746;38.502
p49=-112.241;38.874
p50=-112.801;39.339
p51=-113.318;39.812
p52=-113.705;40.186
p53=-114.502;41.047
p54=-114.582;41.143
p55=-115.223;41.923
p56=-115.874;42.815
p57=-116.412;43.642
p58=-116.467;43.723
p59=-117.014;44.651
p60=-117.509;45.599
p61=-117.950;46.568
p62=-118.334;47.560

p63=-118.402;47.779
p64=-118.661;48.577
p65=-118.917;49.621
p66=-119.079;50.692
p67=-119.080;50.711
p68=-119.136;51.793
p69=-119.096;52.425
p70=-119.035;52.925
p71=-118.842;53.716
p72=-118.703;54.086
p73=-118.388;54.723
p74=-117.973;55.272
p75=-117.768;55.512
p76=-117.002;56.115
p77=-116.302;56.454
p78=-116.108;56.547
p79=-115.109;56.834
p80=-114.013;56.969
p81=-112.841;56.963
p82=-111.611;56.820
p83=-110.338;56.542
p84=-109.038;56.124
p85=-108.838;56.041

[C6]

gain=-15
n_point=97
p1=-111.512;58.968
p2=-110.133;58.584
p3=-108.708;58.059
p4=-107.285;57.386
p5=-107.174;57.325
p6=-105.890;56.598
p7=-104.864;55.890
p8=-104.520;55.640
p9=-103.252;54.563
p10=-103.189;54.505
p11=-102.047;53.315
p12=-101.905;53.147
p13=-101.108;52.128
p14=-100.669;51.464
p15=-100.370;50.993
p16=-99.787;49.903
p17=-99.474;49.175
p18=-99.334;48.852
p19=-98.979;47.835
p20=-98.726;46.849
p21=-98.558;45.891
p22=-98.465;44.959
p23=-98.441;44.050
p24=-98.484;43.162
p25=-98.593;42.295
p26=-98.775;41.446
p27=-98.823;41.285
p28=-99.015;40.615
p29=-99.337;39.800
p30=-99.456;39.557

p31=-99.741;39.001
p32=-100.107;38.426
p33=-100.253;38.217
p34=-100.764;37.590
p35=-100.898;37.448
p36=-101.425;36.943
p37=-101.740;36.695
p38=-102.089;36.434
p39=-102.759;36.041
p40=-102.936;35.960
p41=-103.433;35.731
p42=-104.114;35.505
p43=-104.804;35.356
p44=-105.503;35.275
p45=-105.668;35.271
p46=-106.213;35.255
p47=-106.886;35.300
p48=-106.937;35.303
p49=-107.677;35.413
p50=-108.435;35.593
p51=-109.218;35.853
p52=-109.863;36.129
p53=-110.031;36.200
p54=-110.878;36.631
p55=-111.385;36.938
p56=-111.773;37.180
p57=-112.578;37.751
p58=-112.730;37.867
p59=-113.592;38.575
p60=-113.776;38.739
p61=-114.491;39.410
p62=-114.966;39.905
p63=-115.301;40.258
p64=-116.043;41.120
p65=-116.453;41.649
p66=-116.730;41.998
p67=-117.375;42.893
p68=-117.974;43.805
p69=-118.534;44.737
p70=-119.060;45.690
p71=-119.551;46.665
p72=-120.005;47.666
p73=-120.416;48.691
p74=-120.773;49.745
p75=-120.921;50.299
p76=-121.076;50.829
p77=-121.316;51.947
p78=-121.394;52.556
p79=-121.462;53.099
p80=-121.486;54.208
p81=-121.484;54.290
p82=-121.328;55.519
p83=-121.328;55.520
p84=-120.973;56.593
p85=-120.868;56.785
p86=-120.443;57.473
p87=-119.828;58.076

p88=-119.738;58.164
p89=-118.900;58.716
p90=-117.909;59.098
p91=-116.902;59.310
p92=-116.796;59.335
p93=-115.595;59.452
p94=-114.305;59.428
p95=-112.949;59.270
p96=-111.547;58.979
p97=-111.512;58.968

[C7]

gain=-20
n_point=136
p1=-126.782;79.583
p2=-113.882;75.846
p3=-112.196;75.020
p4=-107.422;72.412
p5=-104.936;70.940
p6=-104.265;70.456
p7=-101.714;68.500
p8=-101.032;67.926
p9=-99.600;66.515
p10=-98.685;65.541
p11=-97.819;64.476
p12=-97.101;63.500
p13=-96.299;62.300
p14=-95.936;61.686
p15=-95.000;60.049
p16=-94.993;60.034
p17=-94.333;58.508
p18=-93.887;57.592
p19=-93.690;57.082
p20=-93.184;55.738
p21=-92.927;55.121
p22=-92.733;54.464
p23=-92.394;53.248
p24=-92.109;52.326
p25=-92.061;52.084
p26=-91.893;50.965
p27=-91.750;49.885
p28=-91.623;48.841
p29=-91.520;47.928
p30=-91.517;47.830
p31=-91.513;46.847
p32=-91.534;45.890
p33=-91.581;44.958
p34=-91.656;44.049
p35=-91.760;43.160
p36=-91.887;42.304
p37=-91.890;42.291
p38=-92.124;41.439
p39=-92.352;40.603
p40=-92.573;39.784
p41=-92.793;38.980
p42=-92.795;38.972
p43=-93.129;38.189

p44=-93.418;37.412
p45=-93.575;37.022
p46=-93.769;36.646
p47=-94.145;35.893
p48=-94.302;35.597
p49=-94.588;35.151
p50=-95.000;34.473
p51=-95.040;34.419
p52=-95.591;33.698
p53=-95.678;33.588
p54=-96.213;32.987
p55=-96.344;32.847
p56=-96.914;32.286
p57=-96.999;32.207
p58=-97.648;31.666
p59=-97.737;31.595
p60=-98.293;31.221
p61=-98.716;30.913
p62=-98.932;30.787
p63=-99.570;30.429
p64=-99.869;30.243
p65=-100.205;30.095
p66=-100.840;29.827
p67=-101.366;29.585
p68=-101.472;29.552
p69=-102.111;29.389
p70=-102.750;29.244
p71=-103.391;29.122
p72=-104.035;29.028
p73=-104.683;28.971
p74=-104.817;28.969
p75=-105.338;28.967
p76=-105.869;28.988
p77=-106.000;28.995
p78=-106.671;29.074
p79=-107.351;29.189
p80=-108.039;29.330
p81=-108.737;29.493
p82=-109.443;29.678
p83=-109.652;29.741
p84=-110.175;29.963
p85=-110.920;30.267
p86=-111.395;30.467
p87=-111.686;30.629
p88=-112.477;31.046
p89=-112.753;31.194
p90=-113.301;31.545
p91=-113.948;31.928
p92=-114.149;32.066
p93=-115.030;32.642
p94=-115.073;32.672
p95=-115.963;33.315
p96=-116.111;33.424
p97=-116.945;34.053
p98=-117.113;34.188
p99=-117.994;34.890
p100=-118.077;34.962

p101=-118.956;35.745
p102=-119.159;35.922
p103=-119.773;36.539
p104=-120.499;37.233
p105=-120.606;37.348
p106=-121.322;38.164
p107=-122.106;38.999
p108=-122.189;39.088
p109=-122.800;39.845
p110=-123.508;40.708
p111=-124.262;41.592
p112=-124.753;42.156
p113=-125.019;42.494
p114=-125.728;43.414
p115=-126.455;44.355
p116=-127.201;45.321
p117=-127.971;46.314
p118=-128.773;47.335
p119=-129.620;48.390
p120=-130.527;49.481
p121=-131.510;50.615
p122=-132.127;51.310
p123=-132.527;51.791
p124=-133.575;53.013
p125=-134.792;54.301
p126=-136.221;55.667
p127=-136.303;55.746
p128=-137.627;57.096
p129=-139.532;58.659
p130=-139.836;58.893
p131=-141.663;60.341
p132=-144.092;61.825
p133=-144.827;62.270
p134=-149.995;64.630
p135=-151.488;65.156
p136=-161.124;67.684

[C8]

gain=-20
n_point=0

[C9]

gain=-20
n_point=136
p1=-146.007;75.862
p2=-132.221;74.215
p3=-127.621;73.140
p4=-126.230;72.869
p5=-122.139;71.958
p6=-118.535;71.010
p7=-115.228;69.930
p8=-112.066;68.537
p9=-111.907;68.455
p10=-109.605;67.540
p11=-107.222;66.243
p12=-106.534;65.779
p13=-105.127;64.986

p14=-103.342;63.624
p15=-103.179;63.509
p16=-101.471;62.135
p17=-101.067;61.752
p18=-99.911;60.638
p19=-99.376;60.068
p20=-98.489;59.001
p21=-98.092;58.524
p22=-97.198;57.160
p23=-97.143;57.087
p24=-96.291;55.736
p25=-96.038;55.179
p26=-95.619;54.456
p27=-95.134;53.238
p28=-95.000;52.816
p29=-94.648;52.072
p30=-94.299;50.951
p31=-94.091;49.926
p32=-94.068;49.871
p33=-93.751;48.827
p34=-93.589;47.816
p35=-93.510;46.833
p36=-93.485;45.877
p37=-93.500;44.946
p38=-93.550;44.037
p39=-93.633;43.149
p40=-93.755;42.281
p41=-93.935;41.430
p42=-94.232;40.596
p43=-94.246;40.566
p44=-94.439;39.778
p45=-94.743;38.974
p46=-95.000;38.529
p47=-95.130;38.185
p48=-95.530;37.409
p49=-95.714;37.145
p50=-95.975;36.646
p51=-96.405;36.049
p52=-96.502;35.895
p53=-97.065;35.155
p54=-97.080;35.137
p55=-97.642;34.427
p56=-97.742;34.311
p57=-98.317;33.709
p58=-98.397;33.624
p59=-99.046;33.047
p60=-99.108;33.003
p61=-99.691;32.522
p62=-100.089;32.308
p63=-100.337;32.130
p64=-100.983;31.807
p65=-101.547;31.629
p66=-101.633;31.585
p67=-102.278;31.331
p68=-102.931;31.178
p69=-103.589;31.078
p70=-104.251;31.017

p71=-104.795;30.991
p72=-104.916;30.976
p73=-105.586;30.954
p74=-106.265;30.989
p75=-106.522;31.025
p76=-106.952;31.059
p77=-107.646;31.147
p78=-108.352;31.277
p79=-109.074;31.468
p80=-109.823;31.767
p81=-109.889;31.799
p82=-110.573;32.020
p83=-111.355;32.377
p84=-111.658;32.552
p85=-112.160;32.781
p86=-112.994;33.306
p87=-113.012;33.316
p88=-113.882;33.846
p89=-114.181;34.068
p90=-114.818;34.529
p91=-115.202;34.837
p92=-115.830;35.367
p93=-116.121;35.616
p94=-116.943;36.403
p95=-116.954;36.413
p96=-117.816;37.206
p97=-118.191;37.615
p98=-118.621;38.021
p99=-119.373;38.847
p100=-119.675;39.219
p101=-120.145;39.691
p102=-120.876;40.549
p103=-121.530;41.420
p104=-121.721;41.688
p105=-122.269;42.314
p106=-122.985;43.227
p107=-123.669;44.158
p108=-124.346;45.112
p109=-125.029;46.090
p110=-125.724;47.094
p111=-126.430;48.128
p112=-127.136;49.192
p113=-127.815;50.288
p114=-128.255;51.112
p115=-128.477;51.419
p116=-129.325;52.607
p117=-130.152;53.840
p118=-130.625;54.656
p119=-130.997;55.126
p120=-132.079;56.496
p121=-132.779;57.525
p122=-133.137;57.934
p123=-134.463;59.483
p124=-134.864;60.002
p125=-135.959;61.152
p126=-136.827;62.145
p127=-137.622;62.964

p128=-138.687;64.038
p129=-139.607;64.975
p130=-140.558;65.775
p131=-142.049;67.240
p132=-142.073;67.263
p133=-145.565;69.227
p134=-147.228;70.268
p135=-150.036;71.162
p136=-153.352;72.967

[C10]

gain=-20
n_point=105
p1=-111.893;60.532
p2=-111.017;60.301
p3=-109.493;59.784
p4=-107.973;59.125
p5=-107.282;58.764
p6=-106.483;58.347
p7=-105.031;57.428
p8=-104.769;57.238
p9=-103.629;56.367
p10=-103.029;55.838
p11=-102.279;55.118
p12=-101.726;54.527
p13=-100.990;53.641
p14=-100.716;53.289
p15=-99.918;52.108
p16=-99.765;51.846
p17=-99.269;50.977
p18=-98.765;49.890
p19=-98.600;49.451
p20=-98.361;48.841
p21=-98.050;47.826
p22=-97.832;46.841
p23=-97.690;45.884
p24=-97.616;44.952
p25=-97.604;44.043
p26=-97.651;43.156
p27=-97.759;42.288
p28=-97.933;41.439
p29=-98.044;41.049
p30=-98.162;40.607
p31=-98.452;39.791
p32=-98.694;39.267
p33=-98.822;38.991
p34=-99.272;38.206
p35=-99.352;38.085
p36=-99.818;37.435
p37=-100.010;37.200
p38=-100.497;36.678
p39=-100.670;36.508
p40=-101.331;35.961
p41=-101.367;35.936
p42=-101.994;35.510
p43=-102.578;35.212
p44=-102.661;35.168

p45=-103.331;34.887
p46=-104.008;34.688
p47=-104.693;34.558
p48=-105.020;34.524
p49=-105.385;34.480
p50=-106.087;34.462
p51=-106.802;34.507
p52=-107.258;34.575
p53=-107.531;34.613
p54=-108.276;34.773
p55=-109.042;35.004
p56=-109.835;35.320
p57=-109.977;35.387
p58=-110.656;35.701
p59=-111.507;36.184
p60=-111.518;36.190
p61=-112.425;36.773
p62=-112.721;36.987
p63=-113.398;37.500
p64=-113.763;37.798
p65=-114.466;38.418
p66=-114.687;38.621
p67=-115.526;39.456
p68=-115.684;39.629
p69=-116.308;40.306
p70=-117.022;41.169
p71=-117.212;41.420
p72=-117.706;42.049
p73=-118.350;42.946
p74=-118.954;43.861
p75=-119.529;44.796
p76=-120.077;45.753
p77=-120.601;46.733
p78=-121.098;47.738
p79=-121.563;48.770
p80=-121.987;49.831
p81=-122.291;50.737
p82=-122.361;50.923
p83=-122.714;52.052
p84=-122.956;53.114
p85=-122.981;53.216
p86=-123.193;54.424
p87=-123.233;54.895
p88=-123.278;55.676
p89=-123.256;56.340
p90=-123.179;56.974
p91=-123.067;57.540
p92=-122.769;58.317
p93=-122.677;58.534
p94=-122.113;59.362
p95=-121.742;59.690
p96=-121.375;60.030
p97=-120.475;60.550
p98=-119.406;60.903
p99=-118.805;61.008
p100=-118.217;61.132
p101=-116.921;61.232

p102=-115.526;61.192
p103=-114.060;61.019
p104=-112.545;60.714
p105=-111.893;60.532