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long_nom=-111.100
n_diag=1

[COHeader]
beam_id=KSU3
emi_rcp=R
polar_disc=C
reason=C
n_bore=1
n_cont=7

[B1]
gain=0.00
p=-109.934;47.017

[C1]
gain=-2.00
n_point=51
p1=-110.557;43.844
p2=-110.854;43.932
p3=-111.164;44.070
p4=-111.478;44.267
p5=-111.738;44.479
p6=-112.008;44.768
p7=-112.247;45.102
p8=-112.435;45.433
p9=-112.584;45.790
p10=-112.705;46.183
p11=-112.781;46.591
p12=-112.818;46.994
p13=-112.812;47.400
p14=-112.760;47.821
p15=-112.666;48.240
p16=-112.525;48.621
p17=-112.347;48.996
p18=-112.104;49.368
p19=-111.816;49.701
p20=-111.518;49.972
p21=-111.190;50.197
p22=-110.839;50.370
p23=-110.454;50.498
p24=-110.083;50.565
p25=-109.676;50.577
p26=-109.294;50.530
p27=-108.936;50.430
p28=-108.592;50.280
p29=-108.254;50.064
p30=-107.950;49.792
p31=-107.672;49.463
p32=-107.428;49.078
p33=-107.271;48.714

p34=-107.145;48.336
p35=-107.066;47.924
p36=-107.029;47.479
p37=-107.037;47.087
p38=-107.093;46.672
p39=-107.185;46.253
p40=-107.319;45.879
p41=-107.484;45.509
p42=-107.684;45.177
p43=-107.928;44.851
p44=-108.195;44.564
p45=-108.493;44.320
p46=-108.785;44.131
p47=-109.094;43.980
p48=-109.445;43.863
p49=-109.767;43.803
p50=-110.123;43.788
p51=-110.459;43.824

[C2]

gain=-4.00
n_point=51
p1=-110.780;42.668
p2=-111.186;42.788
p3=-111.609;42.975
p4=-112.041;43.243
p5=-112.400;43.531
p6=-112.774;43.924
p7=-113.109;44.381
p8=-113.375;44.834
p9=-113.588;45.325
p10=-113.767;45.866
p11=-113.885;46.430
p12=-113.948;46.991
p13=-113.954;47.558
p14=-113.895;48.147
p15=-113.778;48.737
p16=-113.593;49.276
p17=-113.354;49.809
p18=-113.021;50.340
p19=-112.620;50.819
p20=-112.200;51.209
p21=-111.735;51.536
p22=-111.233;51.787
p23=-110.679;51.973
p24=-110.145;52.071
p25=-109.557;52.088
p26=-109.006;52.021
p27=-108.492;51.876
p28=-108.000;51.657
p29=-107.521;51.345
p30=-107.093;50.951
p31=-106.708;50.479
p32=-106.374;49.928
p33=-106.166;49.409
p34=-106.003;48.873
p35=-105.907;48.292

p36=-105.871;47.668
p37=-105.896;47.121
p38=-105.986;46.543
p39=-106.126;45.962
p40=-106.322;45.446
p41=-106.559;44.938
p42=-106.841;44.483
p43=-107.182;44.037
p44=-107.552;43.646
p45=-107.964;43.314
p46=-108.364;43.058
p47=-108.787;42.852
p48=-109.266;42.694
p49=-109.705;42.613
p50=-110.189;42.593
p51=-110.646;42.641

[C3]

gain=-6.00
n_point=51
p1=-110.936;41.833
p2=-111.419;41.975
p3=-111.923;42.196
p4=-112.438;42.514
p5=-112.867;42.855
p6=-113.317;43.322
p7=-113.722;43.865
p8=-114.046;44.406
p9=-114.309;44.991
p10=-114.533;45.638
p11=-114.685;46.316
p12=-114.773;46.991
p13=-114.791;47.675
p14=-114.733;48.388
p15=-114.605;49.105
p16=-114.392;49.764
p17=-114.112;50.416
p18=-113.717;51.070
p19=-113.234;51.660
p20=-112.724;52.144
p21=-112.156;52.551
p22=-111.538;52.864
p23=-110.853;53.096
p24=-110.191;53.218
p25=-109.462;53.240
p26=-108.779;53.156
p27=-108.144;52.974
p28=-107.539;52.702
p29=-106.953;52.313
p30=-106.435;51.825
p31=-105.972;51.241
p32=-105.577;50.562
p33=-105.336;49.926
p34=-105.151;49.271
p35=-105.049;48.565
p36=-105.020;47.808
p37=-105.062;47.147

p38=-105.183;46.451
p39=-105.362;45.754
p40=-105.605;45.136
p41=-105.896;44.529
p42=-106.240;43.986
p43=-106.652;43.456
p44=-107.096;42.992
p45=-107.588;42.597
p46=-108.066;42.294
p47=-108.570;42.051
p48=-109.139;41.863
p49=-109.660;41.767
p50=-110.235;41.744
p51=-110.778;41.802

[C4]

gain=-8.00
n_point=51
p1=-111.059;41.173
p2=-111.602;41.331
p3=-112.170;41.580
p4=-112.750;41.936
p5=-113.236;42.320
p6=-113.747;42.844
p7=-114.208;43.455
p8=-114.579;44.064
p9=-114.884;44.726
p10=-115.146;45.457
p11=-115.327;46.225
p12=-115.437;46.992
p13=-115.470;47.770
p14=-115.415;48.585
p15=-115.282;49.407
p16=-115.049;50.163
p17=-114.740;50.915
p18=-114.296;51.671
p19=-113.749;52.356
p20=-113.166;52.920
p21=-112.512;53.395
p22=-111.797;53.761
p23=-111.000;54.034
p24=-110.229;54.177
p25=-109.380;54.204
p26=-108.584;54.104
p27=-107.845;53.892
p28=-107.146;53.572
p29=-106.471;53.118
p30=-105.879;52.549
p31=-105.356;51.870
p32=-104.915;51.085
p33=-104.650;50.351
p34=-104.451;49.598
p35=-104.348;48.788
p36=-104.329;47.923
p37=-104.388;47.170
p38=-104.536;46.378
p39=-104.749;45.588

p40=-105.033;44.889
p41=-105.369;44.203
p42=-105.762;43.591
p43=-106.232;42.995
p44=-106.736;42.472
p45=-107.292;42.029
p46=-107.831;41.690
p47=-108.398;41.417
p48=-109.038;41.206
p49=-109.624;41.099
p50=-110.270;41.072
p51=-110.881;41.137

[C5]

gain=-10.00
n_point=51
p1=-111.157;40.641
p2=-111.749;40.813
p3=-112.368;41.082
p4=-113.002;41.470
p5=-113.533;41.887
p6=-114.093;42.458
p7=-114.600;43.124
p8=-115.011;43.788
p9=-115.350;44.510
p10=-115.643;45.310
p11=-115.851;46.151
p12=-115.981;46.993
p13=-116.026;47.850
p14=-115.978;48.748
p15=-115.843;49.656
p16=-115.597;50.494
p17=-115.266;51.329
p18=-114.784;52.172
p19=-114.184;52.938
p20=-113.541;53.571
p21=-112.815;54.105
p22=-112.017;54.517
p23=-111.126;54.825
p24=-110.261;54.987
p25=-109.308;55.017
p26=-108.415;54.905
p27=-107.588;54.665
p28=-106.808;54.305
p29=-106.059;53.794
p30=-105.408;53.155
p31=-104.836;52.396
p32=-104.359;51.519
p33=-104.078;50.703
p34=-103.870;49.868
p35=-103.770;48.972
p36=-103.761;48.018
p37=-103.836;47.189
p38=-104.009;46.320
p39=-104.251;45.454
p40=-104.569;44.688
p41=-104.942;43.939

p42=-105.376;43.272
p43=-105.893;42.622
p44=-106.445;42.053
p45=-107.054;41.571
p46=-107.642;41.202
p47=-108.260;40.905
p48=-108.957;40.677
p49=-109.595;40.560
p50=-110.299;40.532
p51=-110.963;40.602

[C6]

gain=-15.00
n_point=51
p1=-111.340;39.645
p2=-112.021;39.842
p3=-112.736;40.152
p4=-113.470;40.596
p5=-114.087;41.076
p6=-114.740;41.734
p7=-115.336;42.501
p8=-115.822;43.269
p9=-116.227;44.105
p10=-116.585;45.034
p11=-116.846;46.014
p12=-117.018;46.998
p13=-117.094;48.003
p14=-117.063;49.062
p15=-116.931;50.138
p16=-116.667;51.136
p17=-116.300;52.138
p18=-115.752;53.153
p19=-115.055;54.083
p20=-114.297;54.855
p21=-113.430;55.511
p22=-112.467;56.020
p23=-111.382;56.402
p24=-110.324;56.604
p25=-109.156;56.641
p26=-108.064;56.502
p27=-107.058;56.205
p28=-106.116;55.760
p29=-105.223;55.131
p30=-104.458;54.350
p31=-103.798;53.426
p32=-103.260;52.368
p33=-102.956;51.388
p34=-102.739;50.391
p35=-102.650;49.329
p36=-102.669;48.202
p37=-102.781;47.228
p38=-103.005;46.210
p39=-103.307;45.201
p40=-103.692;44.311
p41=-104.138;43.443
p42=-104.652;42.671
p43=-105.257;41.921

p44=-105.902;41.267
p45=-106.608;40.712
p46=-107.288;40.288
p47=-108.003;39.948
p48=-108.806;39.686
p49=-109.541;39.552
p50=-110.351;39.520
p51=-111.116;39.600

[C7]

gain=-20.00
n_point=51
p1=-111.460;38.979
p2=-112.203;39.193
p3=-112.981;39.529
p4=-113.782;40.012
p5=-114.456;40.533
p6=-115.172;41.248
p7=-115.829;42.083
p8=-116.366;42.920
p9=-116.819;43.833
p10=-117.221;44.848
p11=-117.521;45.922
p12=-117.725;47.003
p13=-117.827;48.110
p14=-117.812;49.280
p15=-117.688;50.473
p16=-117.417;51.584
p17=-117.032;52.703
p18=-116.443;53.843
p19=-115.684;54.892
p20=-114.847;55.768
p21=-113.881;56.516
p22=-112.798;57.098
p23=-111.571;57.536
p24=-110.369;57.769
p25=-109.040;57.813
p26=-107.799;57.653
p27=-106.661;57.312
p28=-105.602;56.802
p29=-104.608;56.084
p30=-103.767;55.196
p31=-103.051;54.152
p32=-102.479;52.962
p33=-102.166;51.865
p34=-101.949;50.755
p35=-101.874;49.575
p36=-101.918;48.329
p37=-102.059;47.256
p38=-102.322;46.138
p39=-102.668;45.031
p40=-103.100;44.058
p41=-103.597;43.109
p42=-104.165;42.268
p43=-104.832;41.452
p44=-105.539;40.740
p45=-106.310;40.137

p46=-107.053;39.677
p47=-107.831;39.308
p48=-108.705;39.024
p49=-109.504;38.879
p50=-110.385;38.843
p51=-111.217;38.931