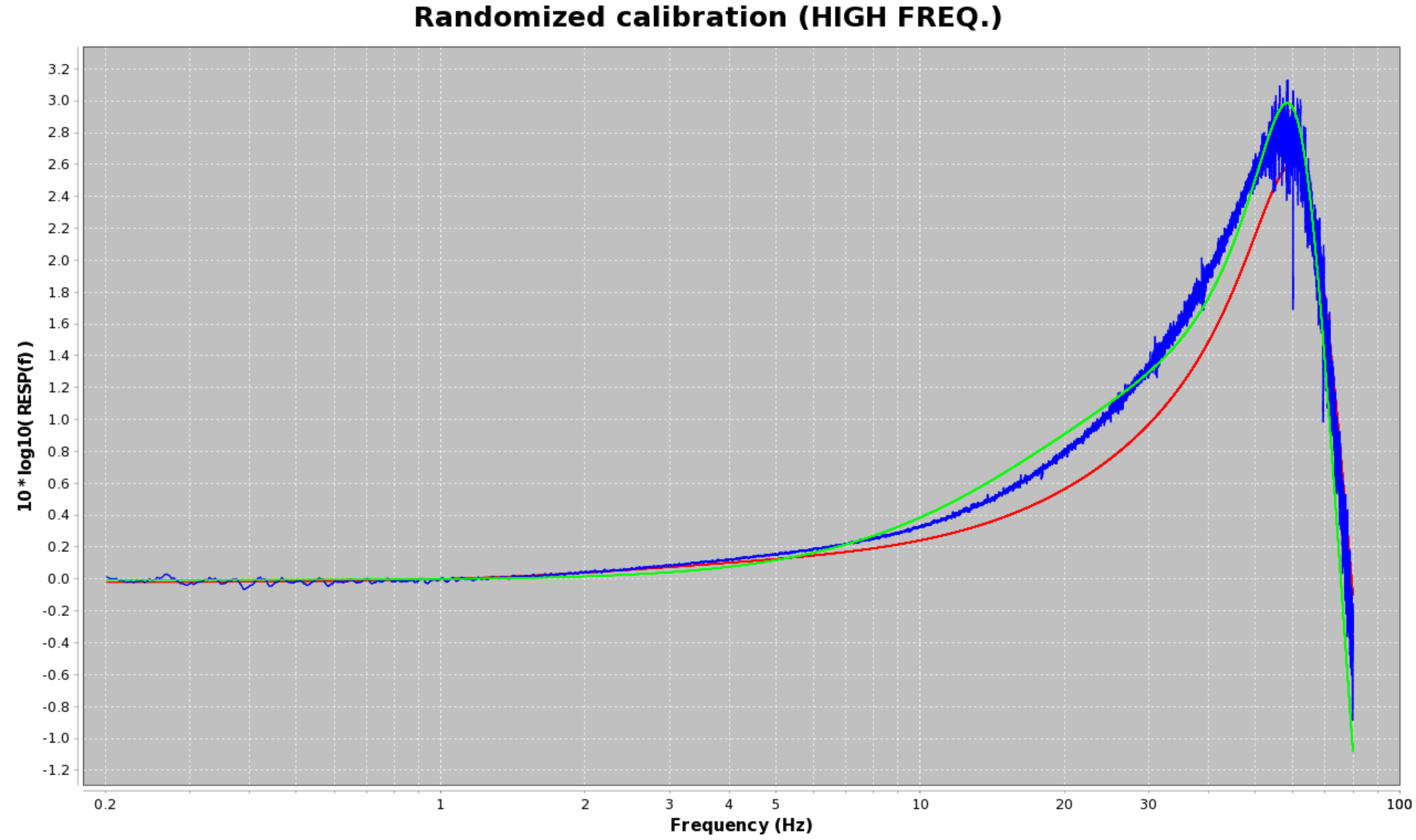
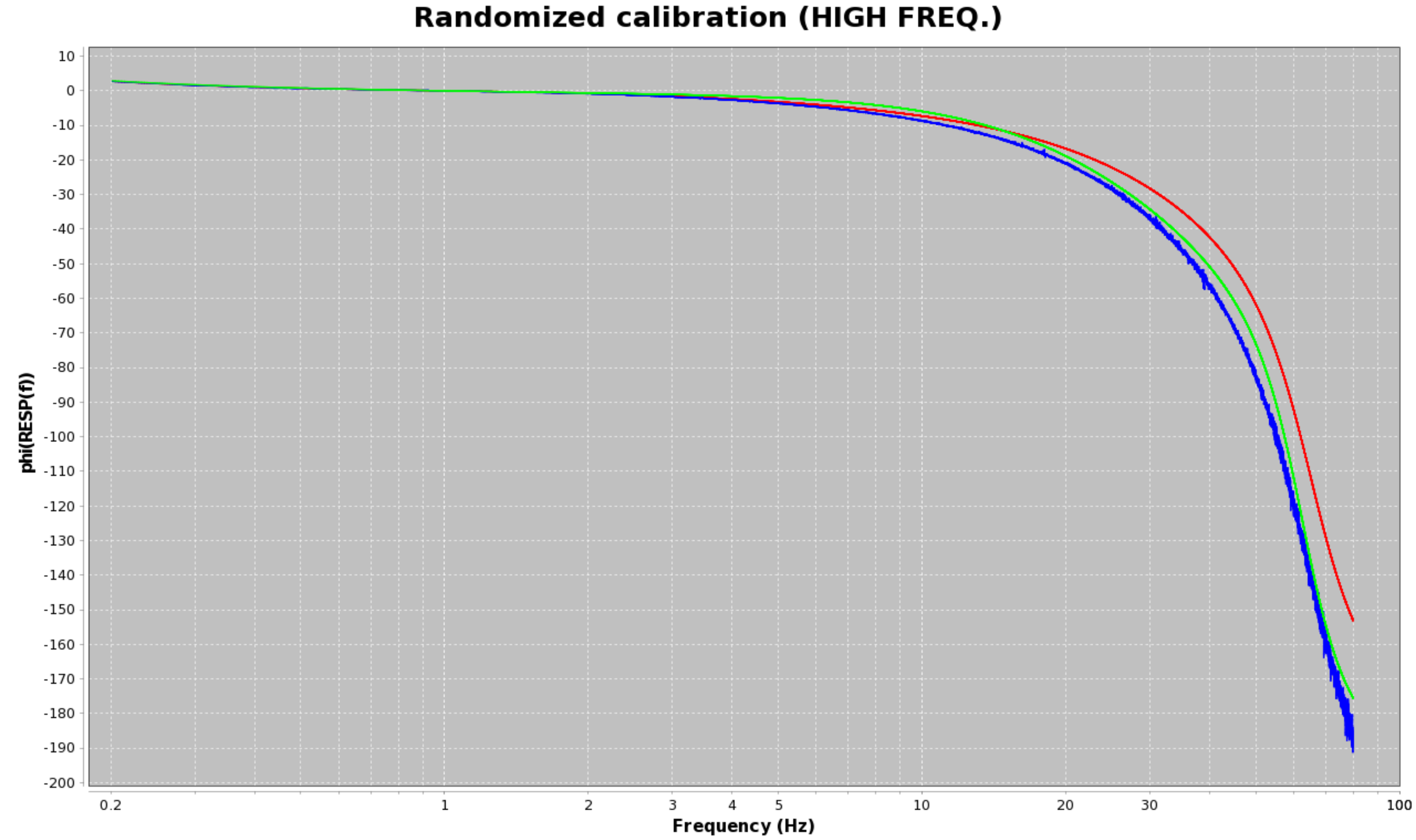


Initial poles:
-15.64 (0.40174 s); -255.097 (0.02463 s)
-374.8 (0.01676 s)
-97.34 - 400.7i; -97.34 + 400.7i (0.01524 s)
Fit poles:
-55.67984 (0.11284 s); -203.31908 (0.0309 s)
-209.42541 (0.03 s)
-77.30073 - 387.02796i; -77.30073 + 387.02796i (0.01592 s)

Initial zeros:
-15.15 (0.41473 s)
-176.6 (0.03558 s);
Fit zeros:
-54.40106 (0.1155 s)
-106.91529 (0.05877 s);

Residuals:
Initial (nom. resp curve): 263.31529319026475
Best fit: 112.90359515939117

NUMBER OF ITERATIONS: 25



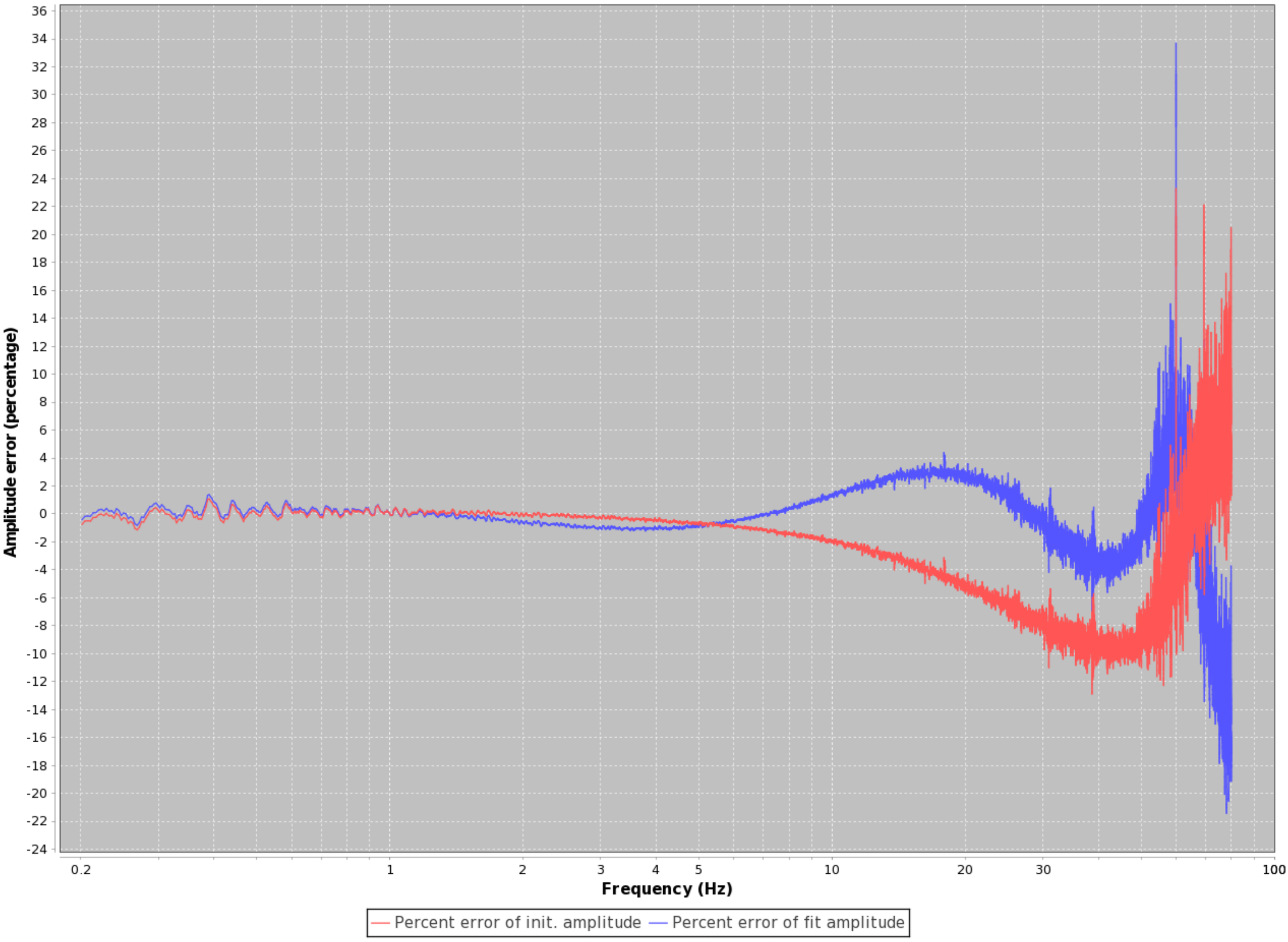
Initial poles:
-15.64 (0.40174 s); -255.097 (0.02463 s)
-374.8 (0.01676 s)
-97.34 - 400.7i; -97.34 + 400.7i (0.01524 s)
Fit poles:
-55.67984 (0.11284 s); -203.31908 (0.0309 s)
-209.42541 (0.03 s)
-77.30073 - 387.02796i; -77.30073 + 387.02796i (0.01592 s)

Initial zeros:
-15.15 (0.41473 s)
-176.6 (0.03558 s);
Fit zeros:
-54.40106 (0.1155 s)
-106.91529 (0.05877 s);

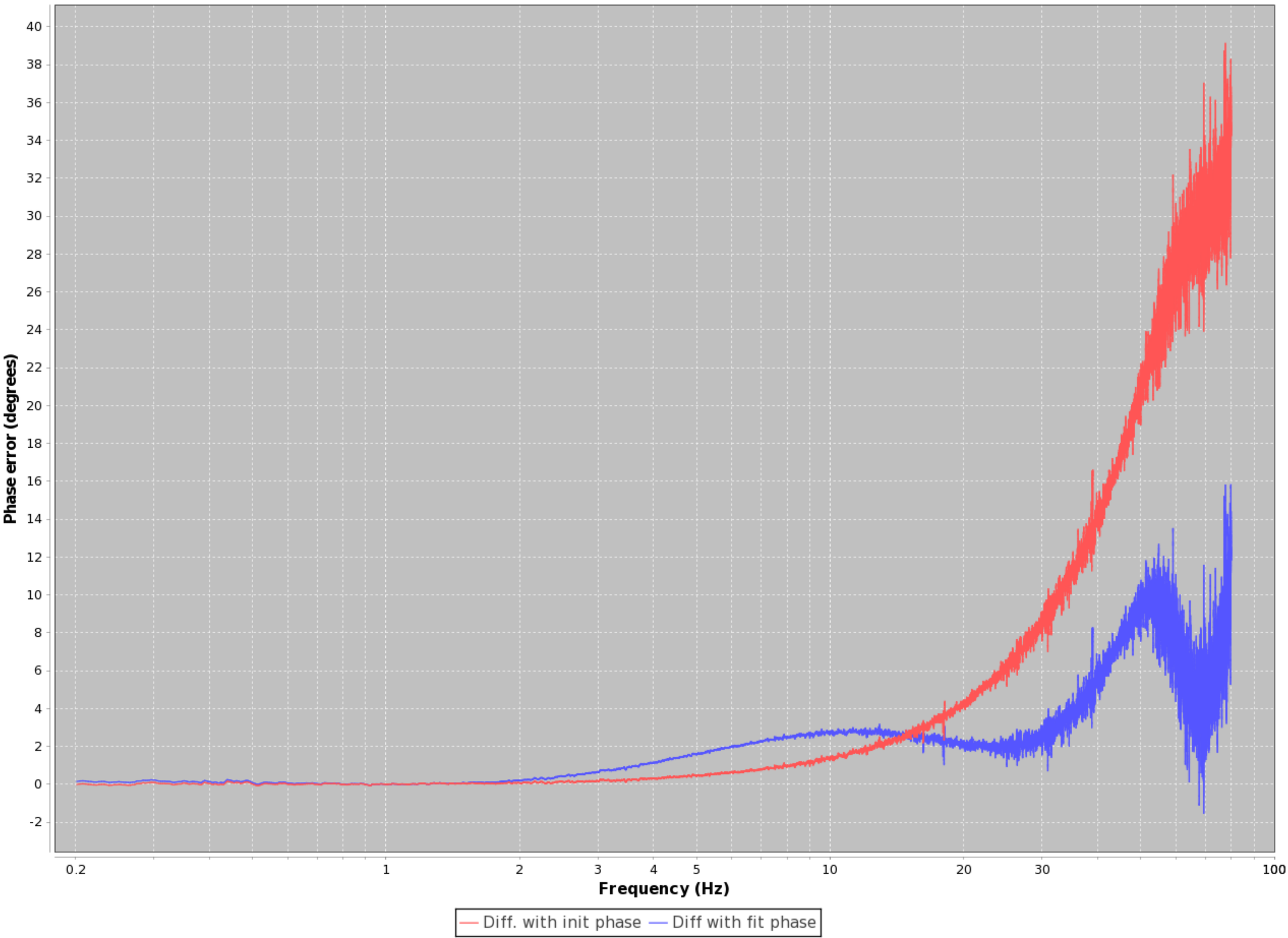
Residuals:
Initial (nom. resp curve): 263.31529319026475
Best fit: 112.90359515939117

NUMBER OF ITERATIONS: 25

Randomized calibration



Randomized calibration



Initial poles:
-15.64 (0.40174 s);   -255.097 (0.02463 s)
-374.8 (0.01676 s)
-97.34 - 400.7i; -97.34 + 400.7i (0.01524 s)
Fit poles:
-55.67984 (0.11284 s);   -203.31908 (0.0309 s)
-209.42541 (0.03 s)
-77.30073 - 387.02796i; -77.30073 + 387.02796i (0.01592 s)
Initial zeros:
-15.15 (0.41473 s)
-176.6 (0.03558 s);
Fit zeros:
-54.40106 (0.1155 s)
-106.91529 (0.05877 s);
Residuals:
Initial (nom. resp curve): 263.31529319026475
Best fit: 112.90359515939117

Iteration count from solver: 25
Input filenames, with SEED and RESP files paired as appropriate:
IU_HRV_CB_BC1
IU_HRV_10_EHZ
STS-2g3HG_Q330HR_BH_40
Residuals weighting:
    Amplitude: 319.7911026998516
    Phase: 0.3196250980579124

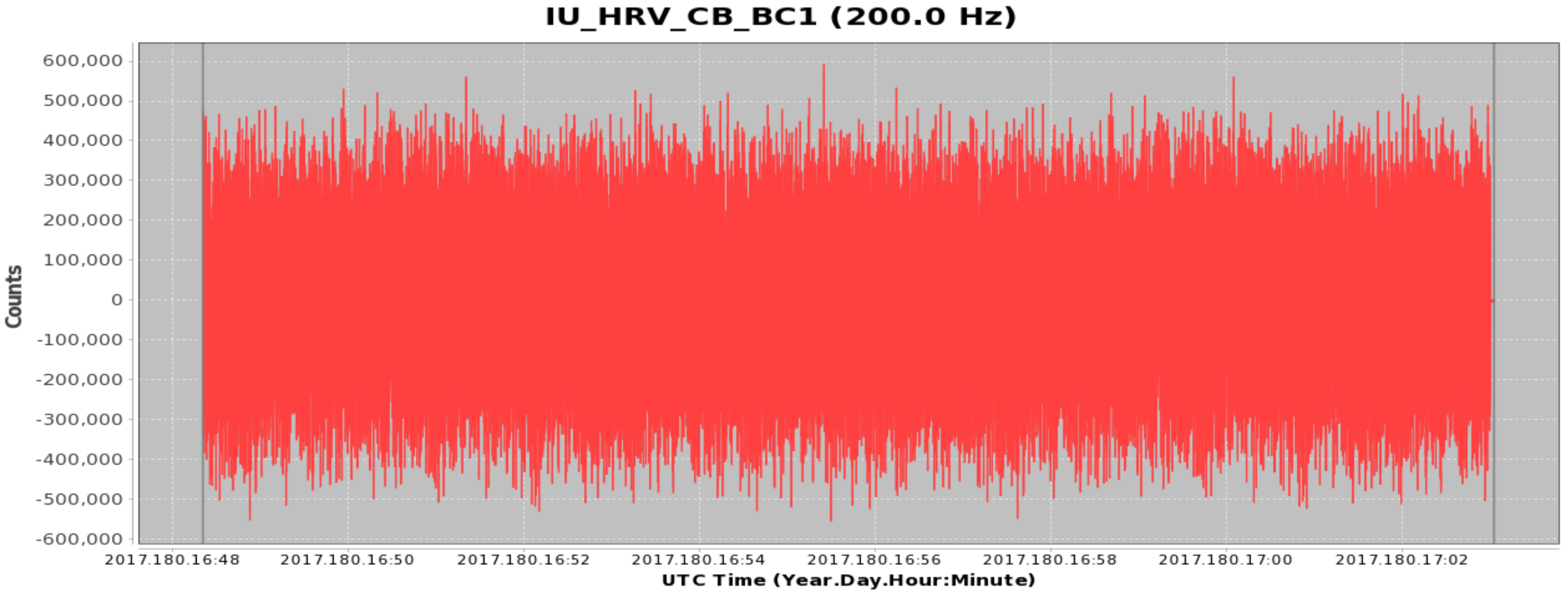
Time of report generation:
2017.268.17:06:53
Data start time:
2017.180.16:48:20
Data end time:
2017.180.17:03:02

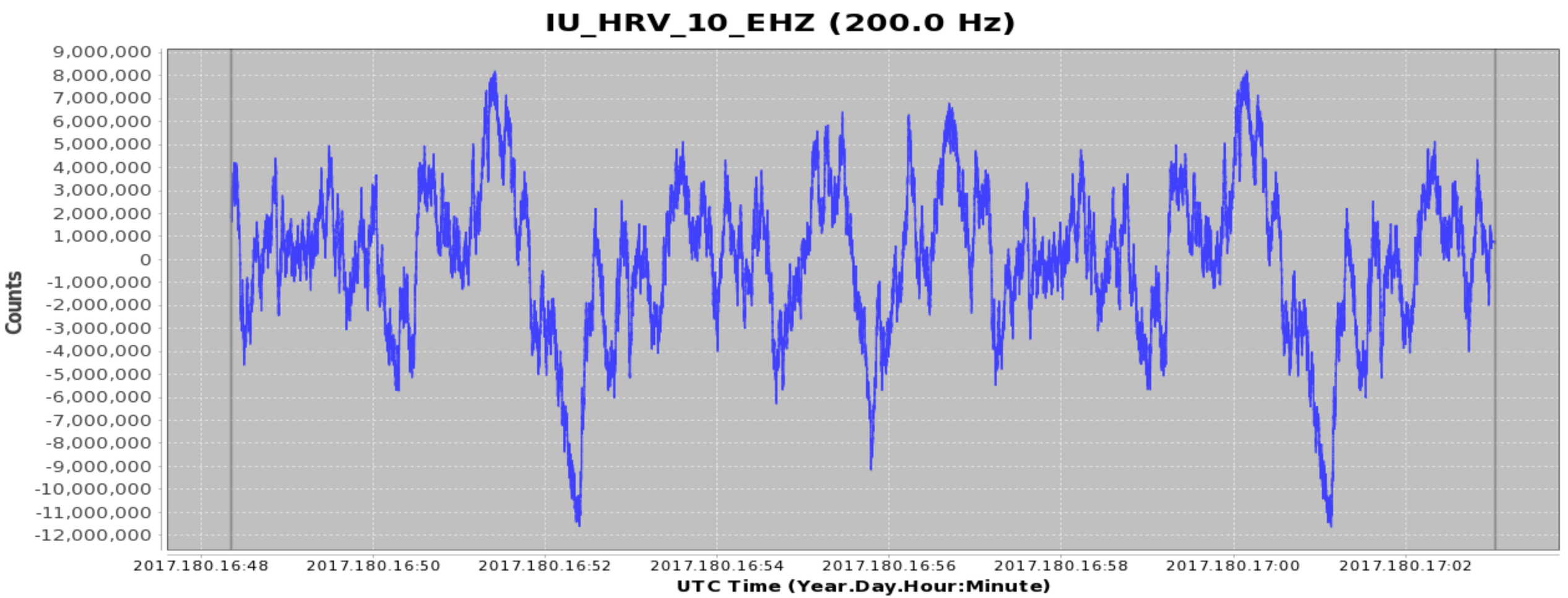
POLE VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-15.64	-55.6798	+40.0398	-35.6599	-71.9108
+0	+0	+0	+0	+0
-255.097	-203.3191	-51.7779	-229.208	+25.4663
+0	+0	+0	+0	+0
-374.8	-209.4254	-165.3746	-292.1127	+78.9659
+0	+0	+0	+0	+0
-97.34	-77.3007	-20.0393	-87.3204	+25.9238
-400.7	-387.028	-13.672	-393.864	+3.5326

ZERO VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-15.15	-54.4011	+39.2511	-34.7755	-72.1513
+0	+0	+0	+0	+0
-176.6	-106.9153	-69.6847	-141.7576	+65.1775
+0	+0	+0	+0	+0


IU_HRV_CB_BC1 (200.0 Hz)
Counts
600,000
500,000
400,000
300,000
200,000
100,000
0
-100,000
-200,000
-300,000
-400,000
-500,000
-600,000
2017.180.16:48
2017.180.16:50
2017.180.16:52
2017.180.16:54
2017.180.16:56
2017.180.16:58
2017.180.17:00
2017.180.17:02
UTC Time (Year.Day.Hour:Minute)


IU_HRV_10_EHZ (200.0 Hz)
Counts
9,000,000
8,000,000
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
-1,000,000
-2,000,000
-3,000,000
-4,000,000
-5,000,000
-6,000,000
-7,000,000
-8,000,000
-9,000,000
-10,000,000
-11,000,000
-12,000,000
2017.180.16:48
2017.180.16:50
2017.180.16:52
2017.180.16:54
2017.180.16:56
2017.180.16:58
2017.180.17:00
2017.180.17:02
UTC Time (Year.Day.Hour:Minute)

Response name: STS-2g3HG_Q330HR_BH_40
Gain stage values:
0: 33,554,420,000
1: 20,000
2: 1,677,721
Normalization: 3.4684E17
Normalization frequency (Hz): 1.0
Transfer function is LAPLACIAN
Response input units: velocity (m/s)
Response zeros:
0: 0
1: 0
2: -15.15
3: -176.6
4: -463.1 - 430.5i
5: -463.1 + 430.5i
Response poles:
0: -0.037 - 0.037i
1: -0.037 + 0.037i
2: -15.64
3: -255.097
4: -374.8
5: -97.34 - 400.7i
6: -97.34 + 400.7i
7: -520.3
8: -13,300
9: -10,530 - 10,050i
10: -10,530 + 10,050i