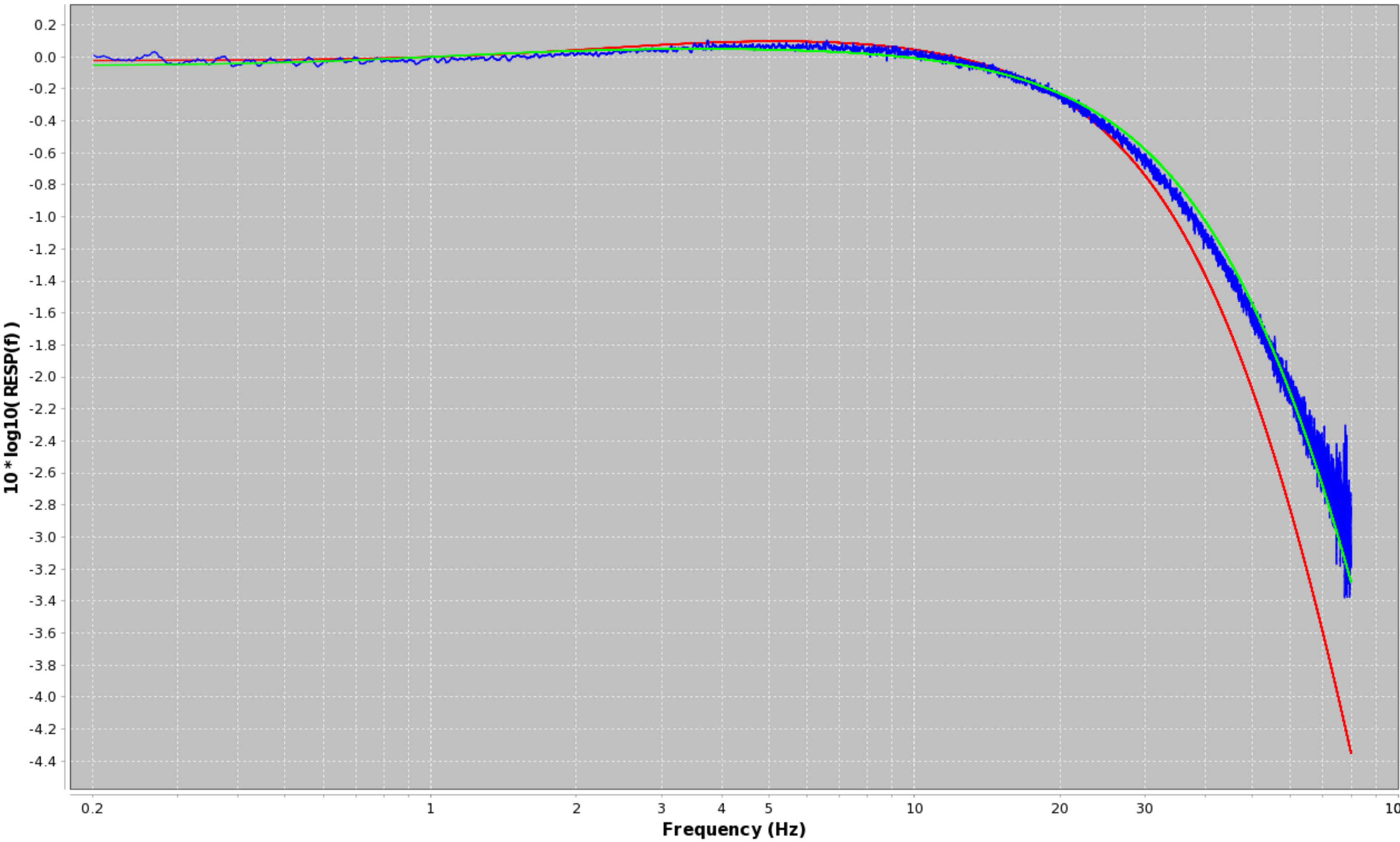


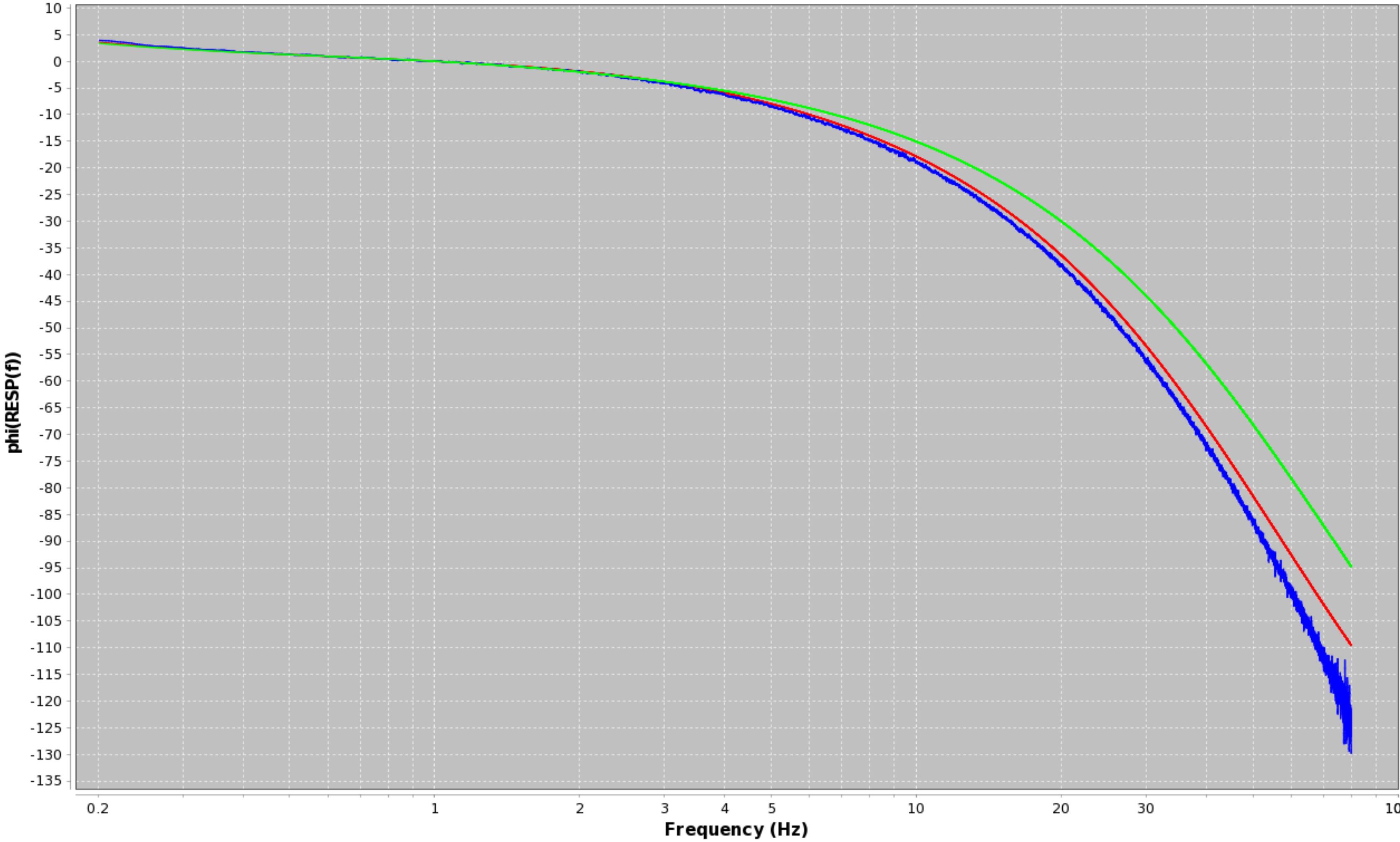
Randomized calibration (HIGH FREQ.)



Initial poles: -16.047 (0.39155 s); -16.047 (0.39155 s) -339.3 + 115.6i; -339.3 - 115.6i (0.01753 s) Fit poles: -7.00435 (0.89704 s); -7.00435 (0.89704 s) -458.40248 - 60.74799i; -458.40248 + 60.74799i (0.01359 s)	Initial zeros: -15.708 (0.4 s) -15.708 (0.4 s); Fit zeros: -6.90327 (0.91018 s) -6.90327 (0.91018 s);	Residuals: Initial (nom. resp curve): 1161.9607059074615 Best fit: 341.2497644058233
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NUMBER OF ITERATIONS: 19

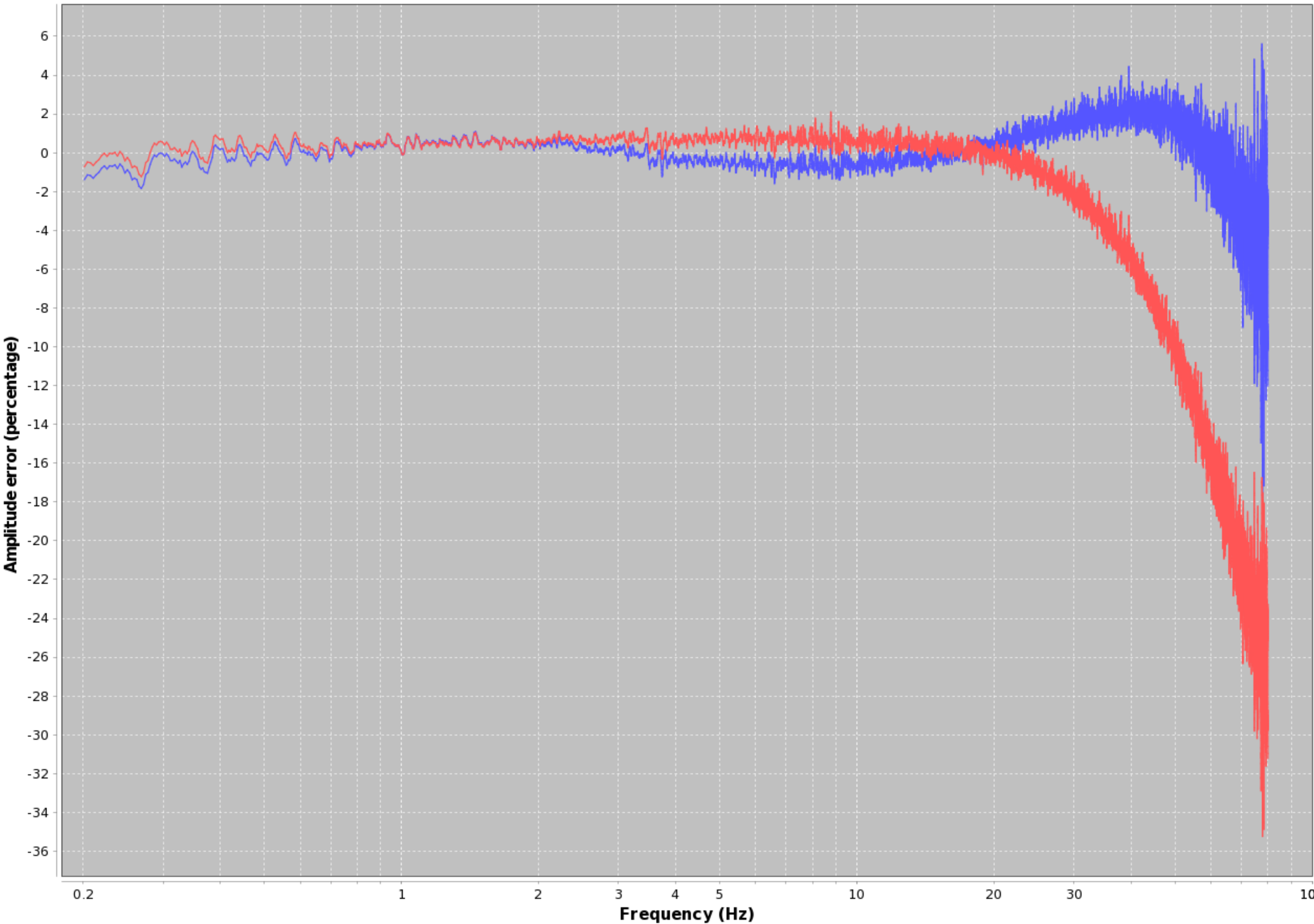
Randomized calibration (HIGH FREQ.)



Initial poles: -16.047 (0.39155 s); -16.047 (0.39155 s) -339.3 + 115.6i; -339.3 - 115.6i (0.01753 s) Fit poles: -7.00435 (0.89704 s); -7.00435 (0.89704 s) -458.40248 - 60.74799i; -458.40248 + 60.74799i (0.01359 s)	Initial zeros: -15.708 (0.4 s) -15.708 (0.4 s); Fit zeros: -6.90327 (0.91018 s) -6.90327 (0.91018 s);	Residuals: Initial (nom. resp curve): 1161.9607059074615 Best fit: 341.2497644058233
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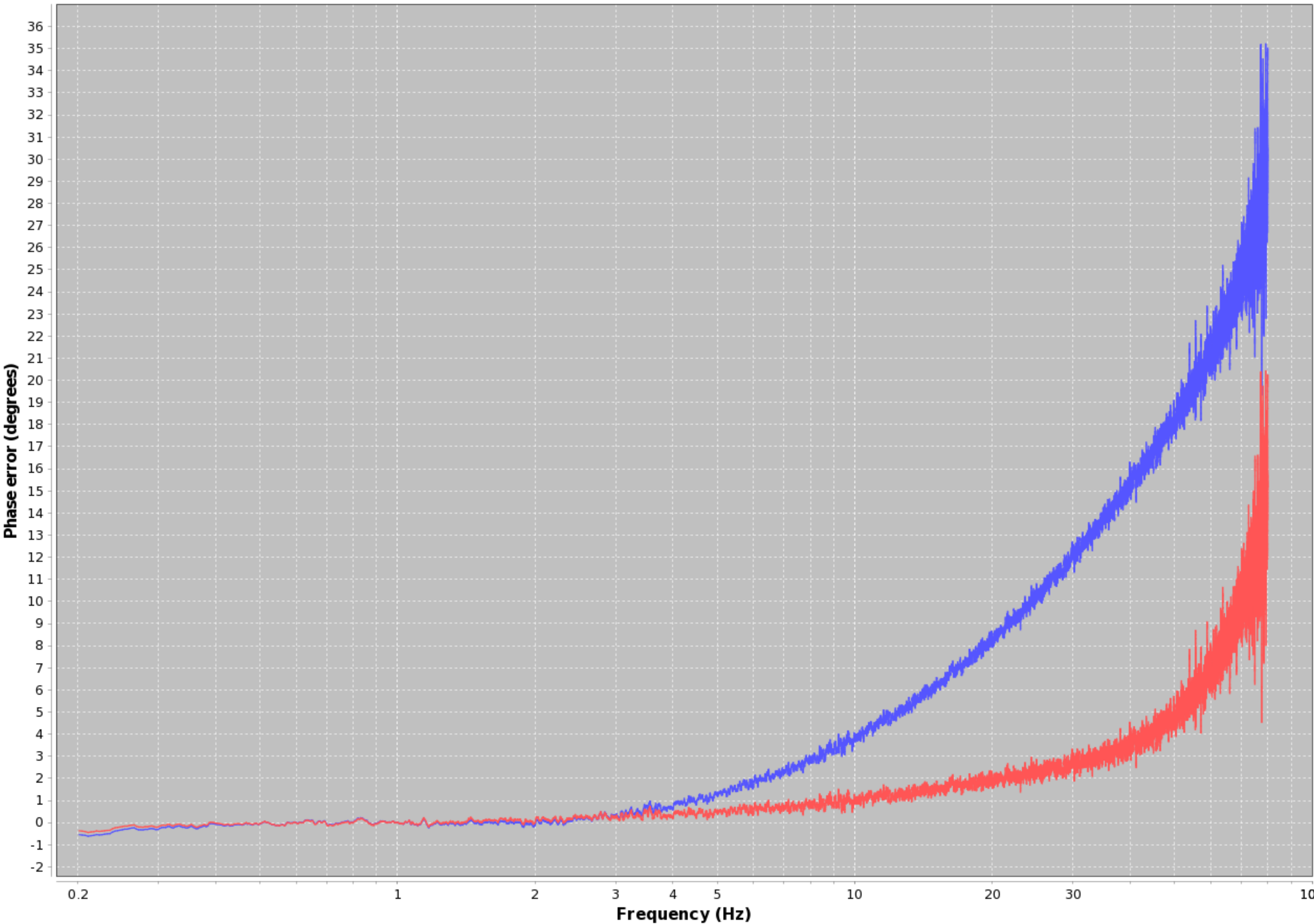
NUMBER OF ITERATIONS: 19

Randomized calibration



Percent error of init. amplitude Percent error of fit amplitude

Randomized calibration



Diff. with init phase Diff with fit phase

Initial poles:

-16.047 (0.39155 s); -16.047 (0.39155 s)
-339.3 + 115.6i; -339.3 - 115.6i (0.01753 s)

Fit poles:

-7.00435 (0.89704 s); -7.00435 (0.89704 s)
-458.40248 - 60.74799i; -458.40248 + 60.74799i (0.01359 s)

Initial zeros:

-15.708 (0.4 s)
-15.708 (0.4 s);

Fit zeros:

-6.90327 (0.91018 s)
-6.90327 (0.91018 s);

Residuals:

Initial (nom. resp curve): 1161.9607059074615

Best fit: 341.2497644058233

Iteration count from solver: 19

Input filenames, with SEED and RESP files paired as appropriate:

IU_COLA_CB_BC1

IU_COLA_10_EHZ

STS-5A_Q330HR_BH_40_nocoil

Residuals weighting:

 Amplitude: 9716.163816854092

 Phase: 0.437881558258781

Time of report generation:

2017.268.15:30:01

Data start time:

2017.261.18:57:21

Data end time:

2017.261.19:11:42

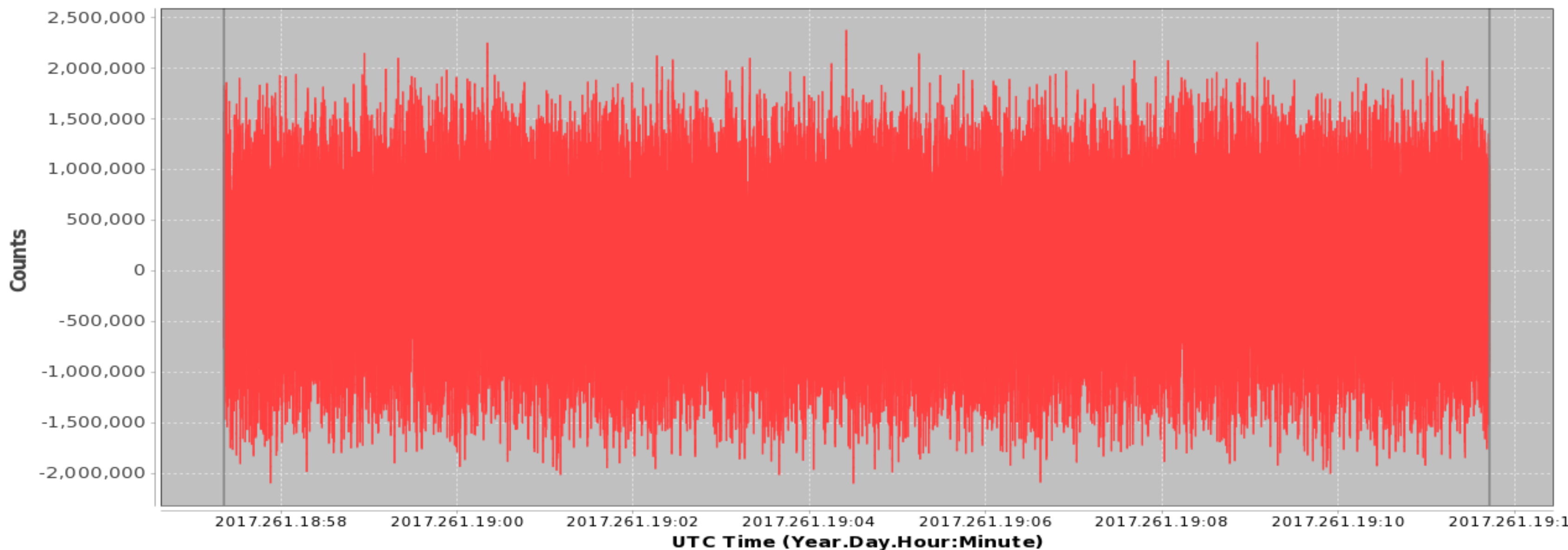
POLE VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-16.047	-7.0044	-9.0426	-11.5257	+129.1004
+0	+0	+0	+0	+0
-16.047	-7.0044	-9.0426	-11.5257	+129.1004
+0	+0	+0	+0	+0
-339.3	-458.4025	+119.1025	-398.8512	-25.9821
+115.6	+60.748	+54.852	+88.174	+90.2944

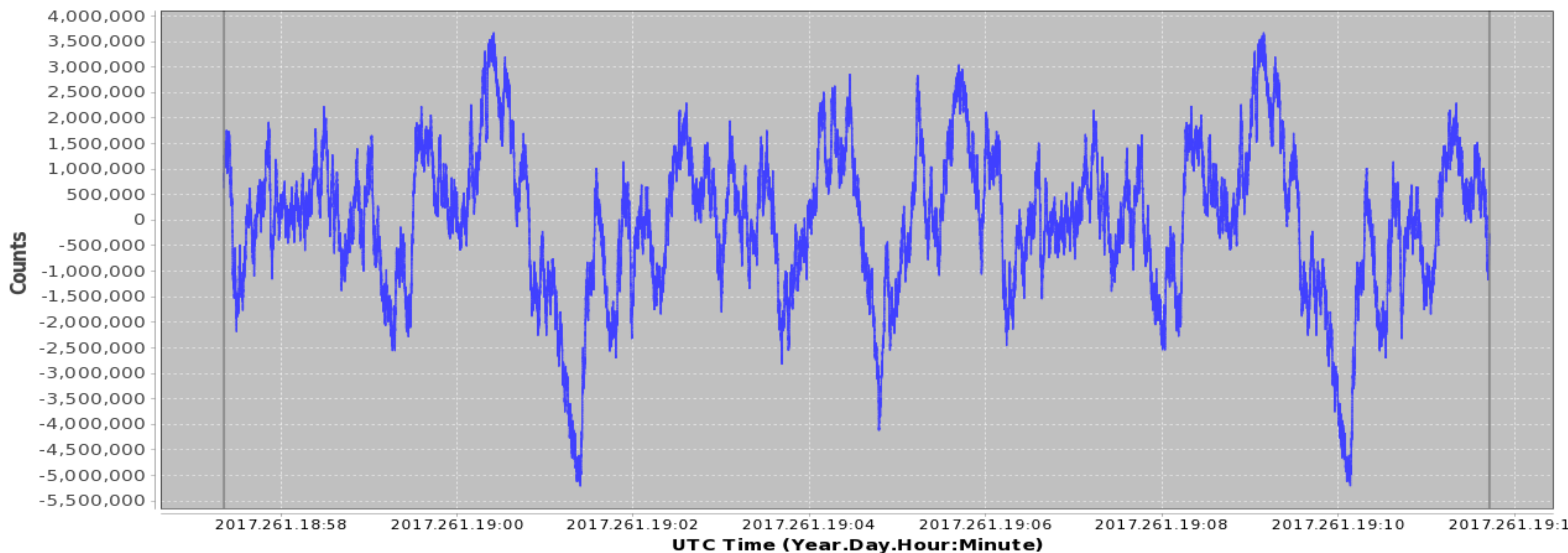
ZERO VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-15.708	-6.9033	-8.8047	-11.3056	+127.5445
+0	+0	+0	+0	+0
-15.708	-6.9033	-8.8047	-11.3056	+127.5445
+0	+0	+0	+0	+0

IU_COLA_CB_BC1 (200.0 Hz)



IU_COLA_10_EHZ (200.0 Hz)



Response name: STS-5A_Q330HR_BH_40_nocoil

Gain stage values:

0: 2,516,581,500

1: 1,500

2: 1,677,721

Normalization: 133352.839525

Normalization frequency (Hz): 0.05

Transfer function is LAPLACIAN

Response input units: velocity (m/s)

Response zeros:

0: 0

1: 0

2: -15.708

3: -15.708

4: -961.33

Response poles:

0: -0.037 - 0.037i

1: -0.037 + 0.037i

2: -16.047

3: -16.047

4: -339.3 + 115.6i

5: -339.3 - 115.6i

6: -961.33