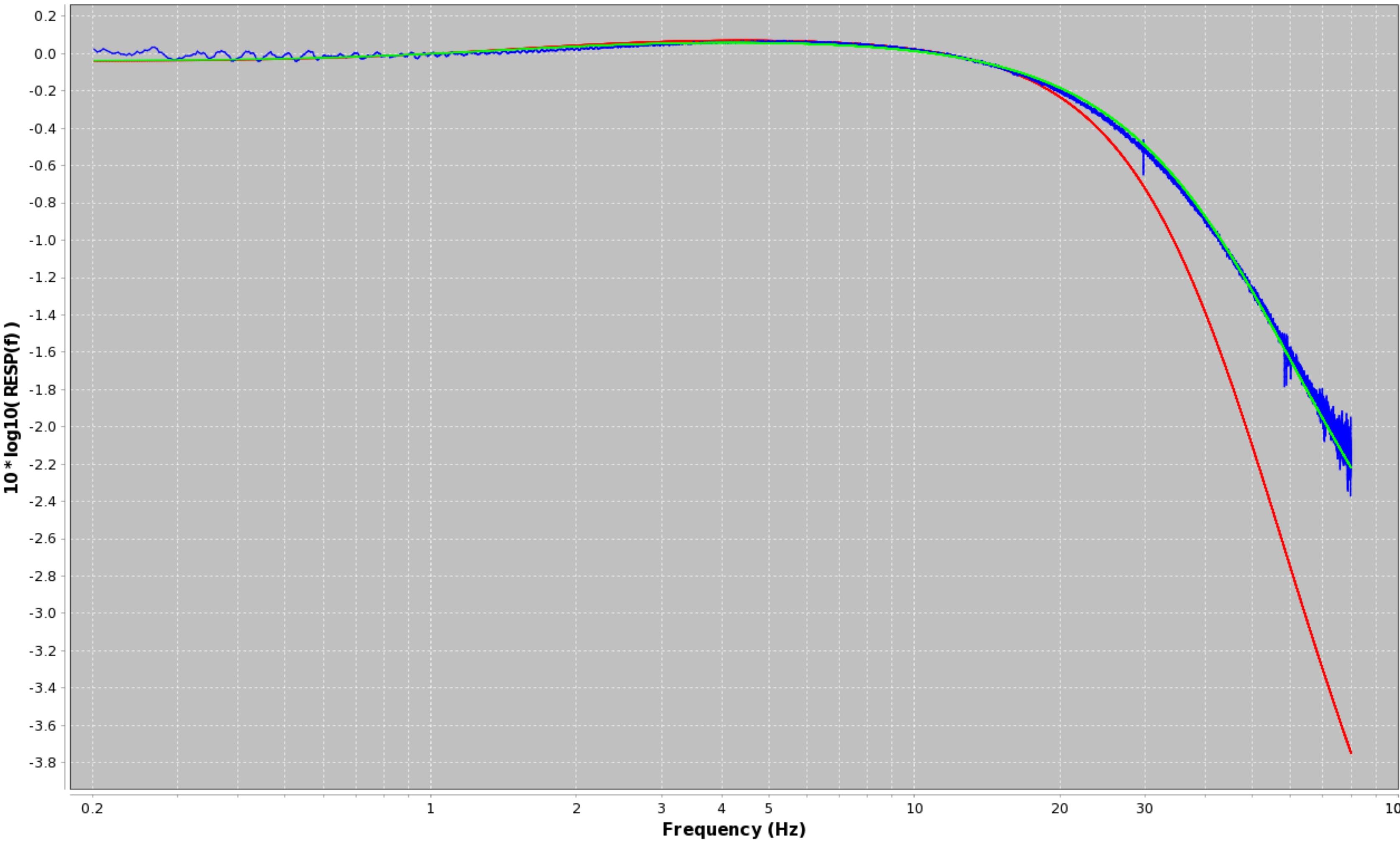


Randomized calibration (HIGH FREQ.)

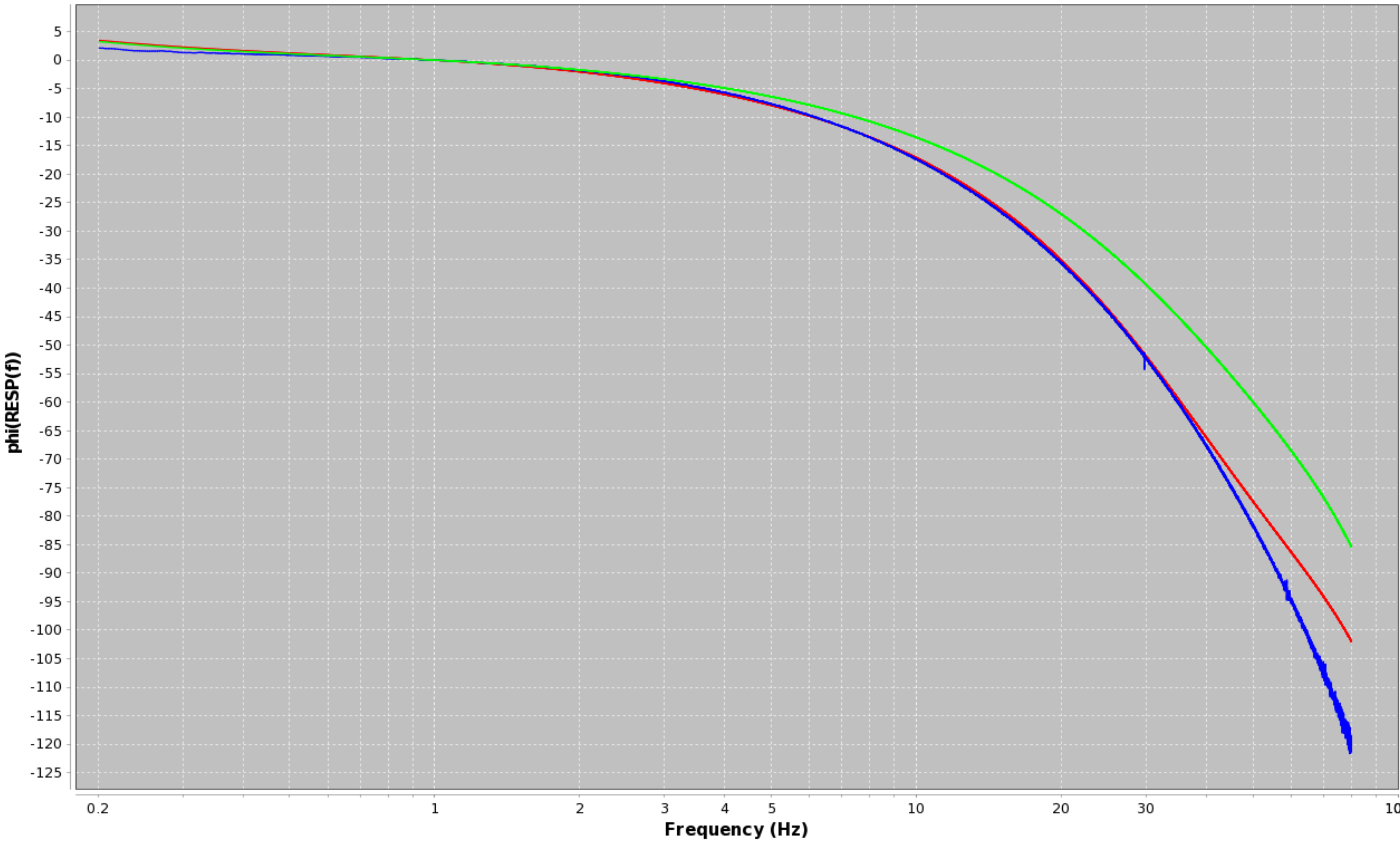


Initial param (RESP.IU.TUC.10.BHZ) magnitude Calc. resp. (IU_TUC_60_EHZ) magnitude Fit resp. magnitude

Initial poles: -9.73894 (0.64516 s) -219.911 + 138.23i; -219.911 - 138.23i (0.02419 s) Fit poles: -9.258 (0.67868 s) -318.47325 - 121.61612i; -318.47325 + 121.61612i (0.01843 s)	Initial zeros: -9.42478 (0.66667 s); Fit zeros: -8.99804 (0.69828 s);	Residuals: Initial (nom. resp curve): 2014.639157004783 Best fit: 319.5886970501636
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NUMBER OF ITERATIONS: 13

Randomized calibration (HIGH FREQ.)

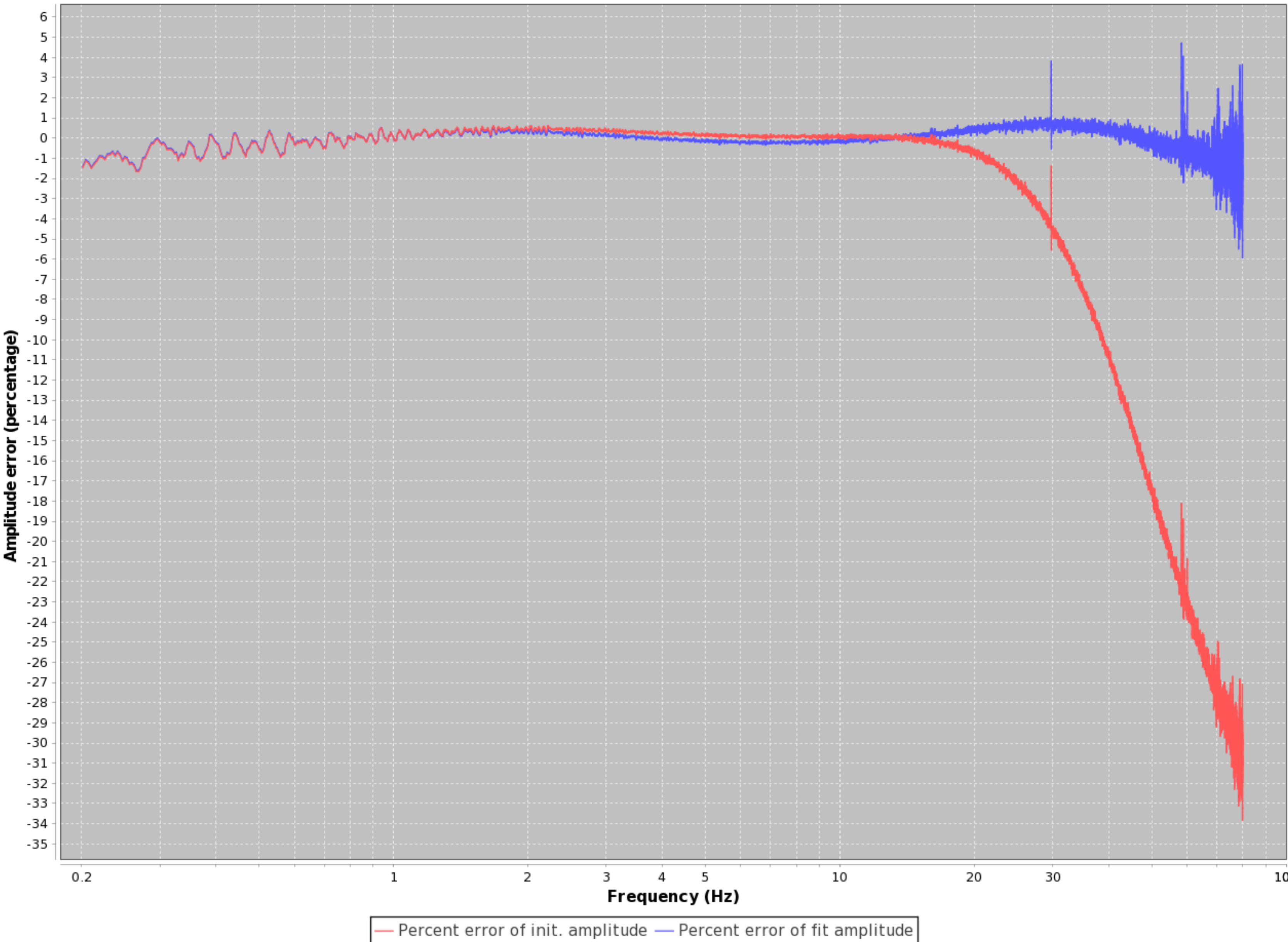


Initial param (RESP.IU.TUC.10.BHZ) phase Calc. resp. (IU_TUC_60_EHZ) phase Fit resp. phase

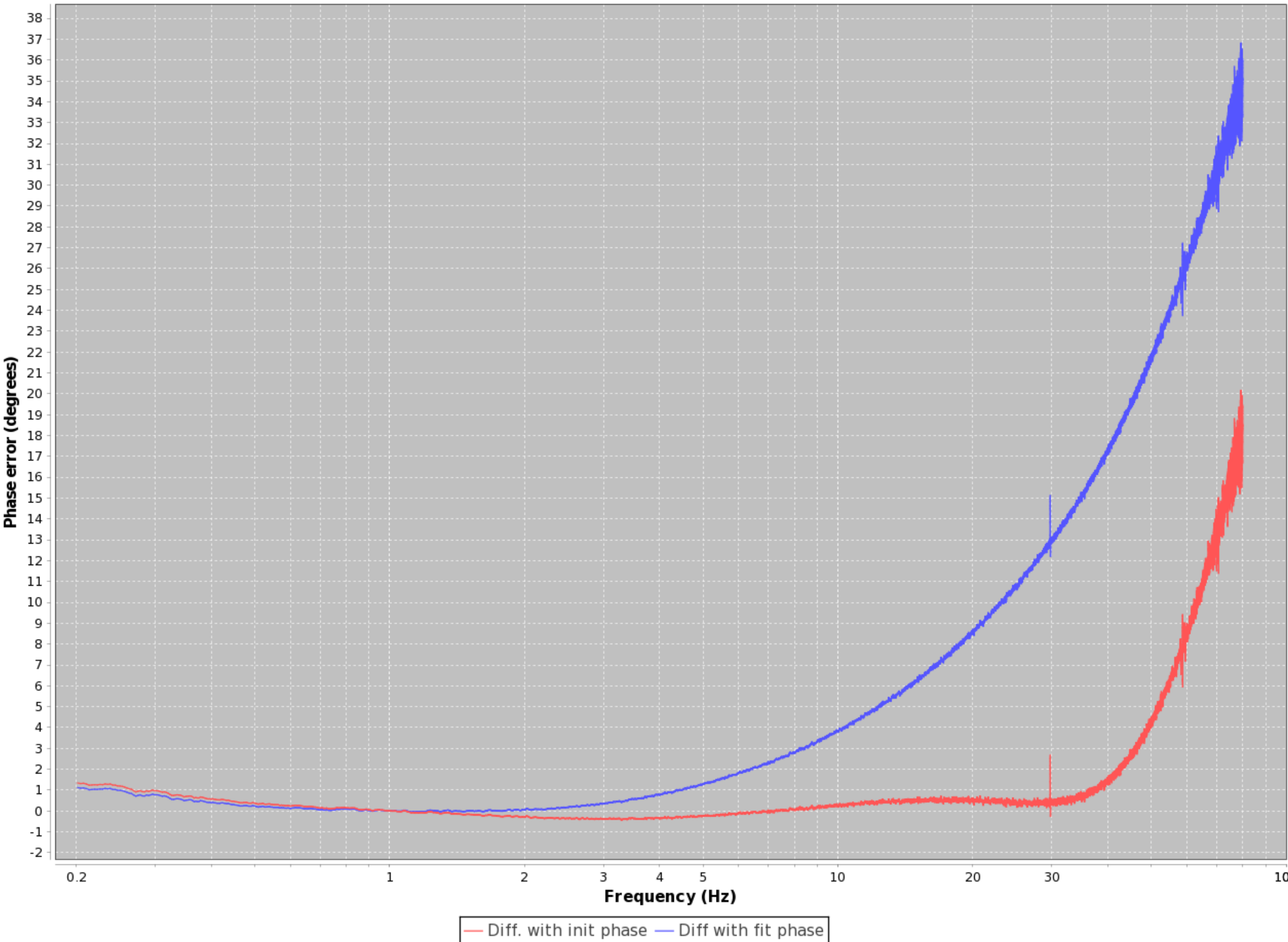
Initial poles: -9.73894 (0.64516 s) -219.911 + 138.23i; -219.911 - 138.23i (0.02419 s) Fit poles: -9.258 (0.67868 s) -318.47325 - 121.61612i; -318.47325 + 121.61612i (0.01843 s)	Initial zeros: -9.42478 (0.66667 s); Fit zeros: -8.99804 (0.69828 s);	Residuals: Initial (nom. resp curve): 2014.639157004783 Best fit: 319.5886970501636
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NUMBER OF ITERATIONS: 13

Randomized calibration



Randomized calibration



Initial poles:

-9.73894 (0.64516 s)

-219.911 + 138.23i; -219.911 - 138.23i (0.02419 s)

Fit poles:

-9.258 (0.67868 s)

-318.47325 - 121.61612i; -318.47325 + 121.61612i (0.01843 s)

Initial zeros:

-9.42478 (0.66667 s);

Fit zeros:

-8.99804 (0.69828 s);

Residuals:

Initial (nom. resp curve): 2014.639157004783

Best fit: 319.5886970501636

Iteration count from solver: 13

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

IU_TUC_CB_BC6

IU_TUC_60_EHZ

RESP.IU.TUC.10.BHZ

Residuals weighting:

Amplitude: 14261.774968711406

Phase: 0.46380072072354617

Time of report generation:

2017.268.21:17:12

Data start time:

2017.160.16:14:33

Data end time:

2017.160.16:28:32

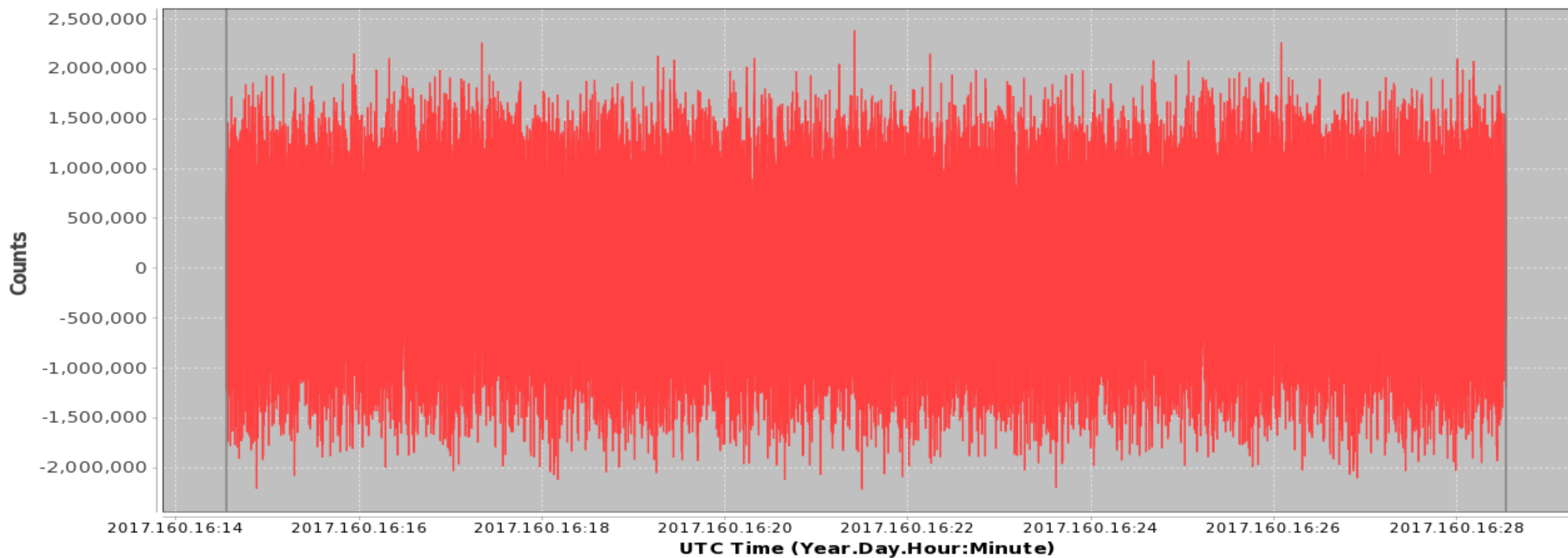
POLE VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-9.7389	-9.258	-0.4809	-9.4985	+5.1949
+0	+0	+0	+0	+0
-219.911	-318.4733	+98.5623	-269.1921	-30.9484
+138.23	+121.6161	+16.6139	+129.9231	+13.6609

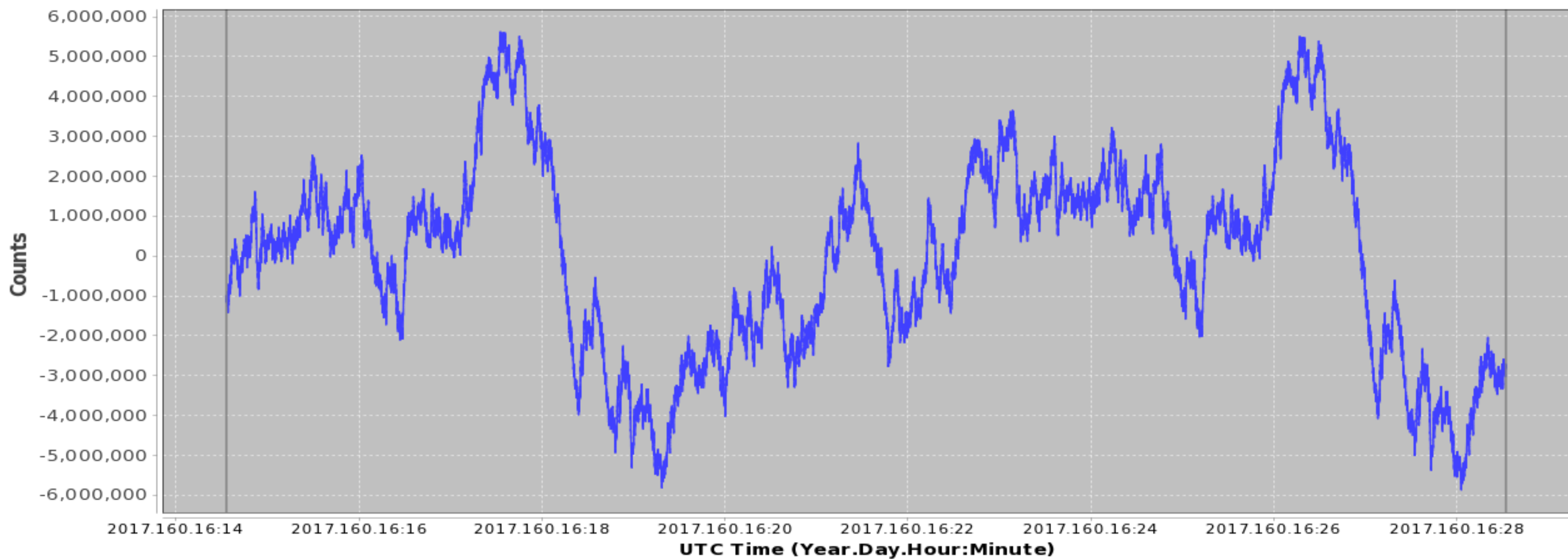
ZERO VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-9.4248	-8.998	-0.4267	-9.2114	+4.7425
+0	+0	+0	+0	+0

IU_TUC_CB_BC6 (200.0 Hz)



IU_TUC_60_EHZ (200.0 Hz)



Response name: RESP.IU.TUC.10.BHZ

Gain stage values:

0: 2,447,790,000

1: 1,459

2: 1,677,720

3: 1

Normalization: 45.5532

Normalization frequency (Hz): 0.02

Transfer function is LAPLACIAN

Response input units: velocity (m/s)

Response zeros:

0: 0

1: 0

2: -9.4248

3: -628.319

4: -565.487 + 979.452i

5: -565.487 - 979.452i

Response poles:

0: -0.037 + 0.037i

1: -0.037 - 0.037i

2: -9.7389

3: -219.911 + 138.23i

4: -219.911 - 138.23i

5: -219.911 + 684.867i

6: -219.911 - 684.867i