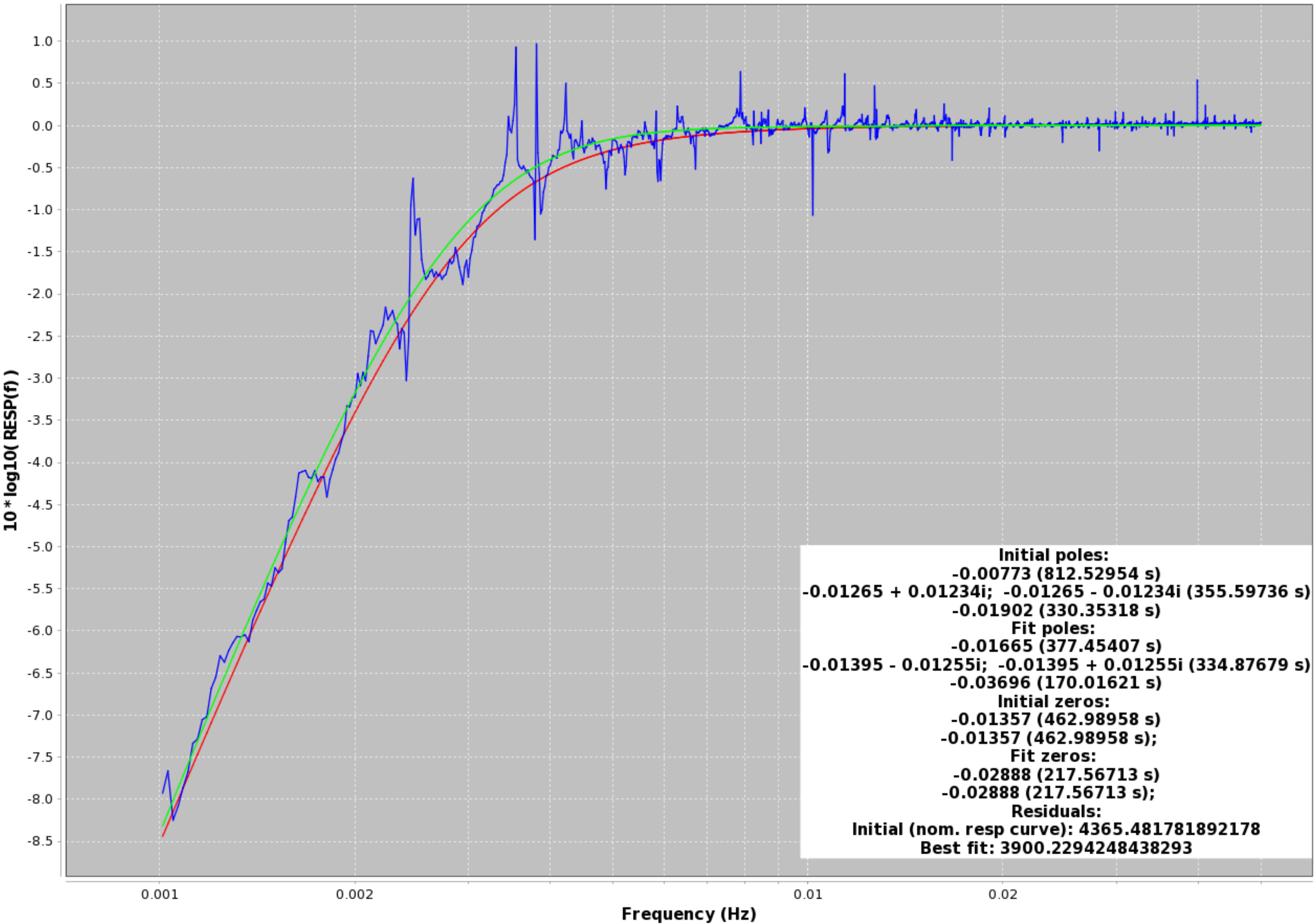
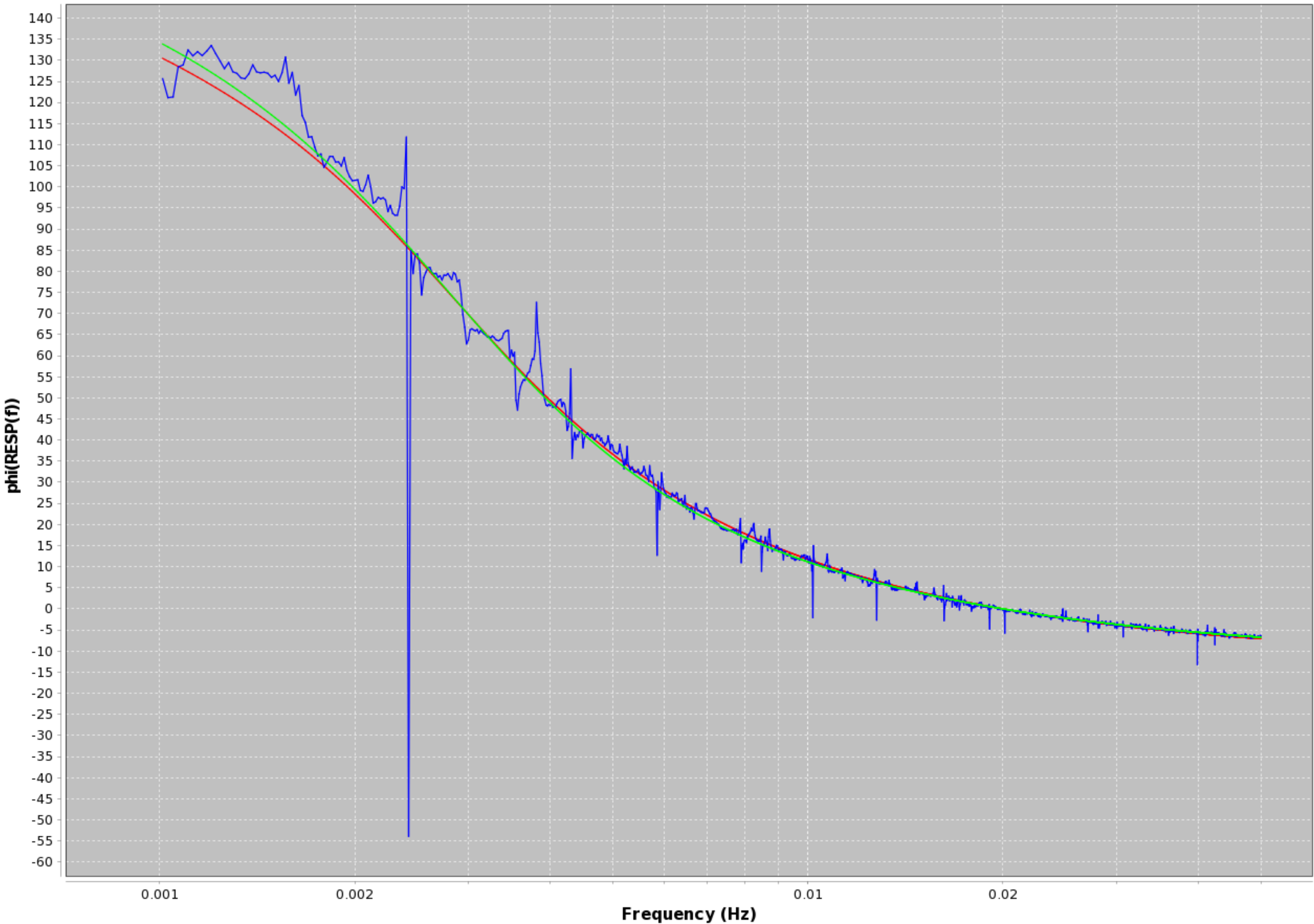


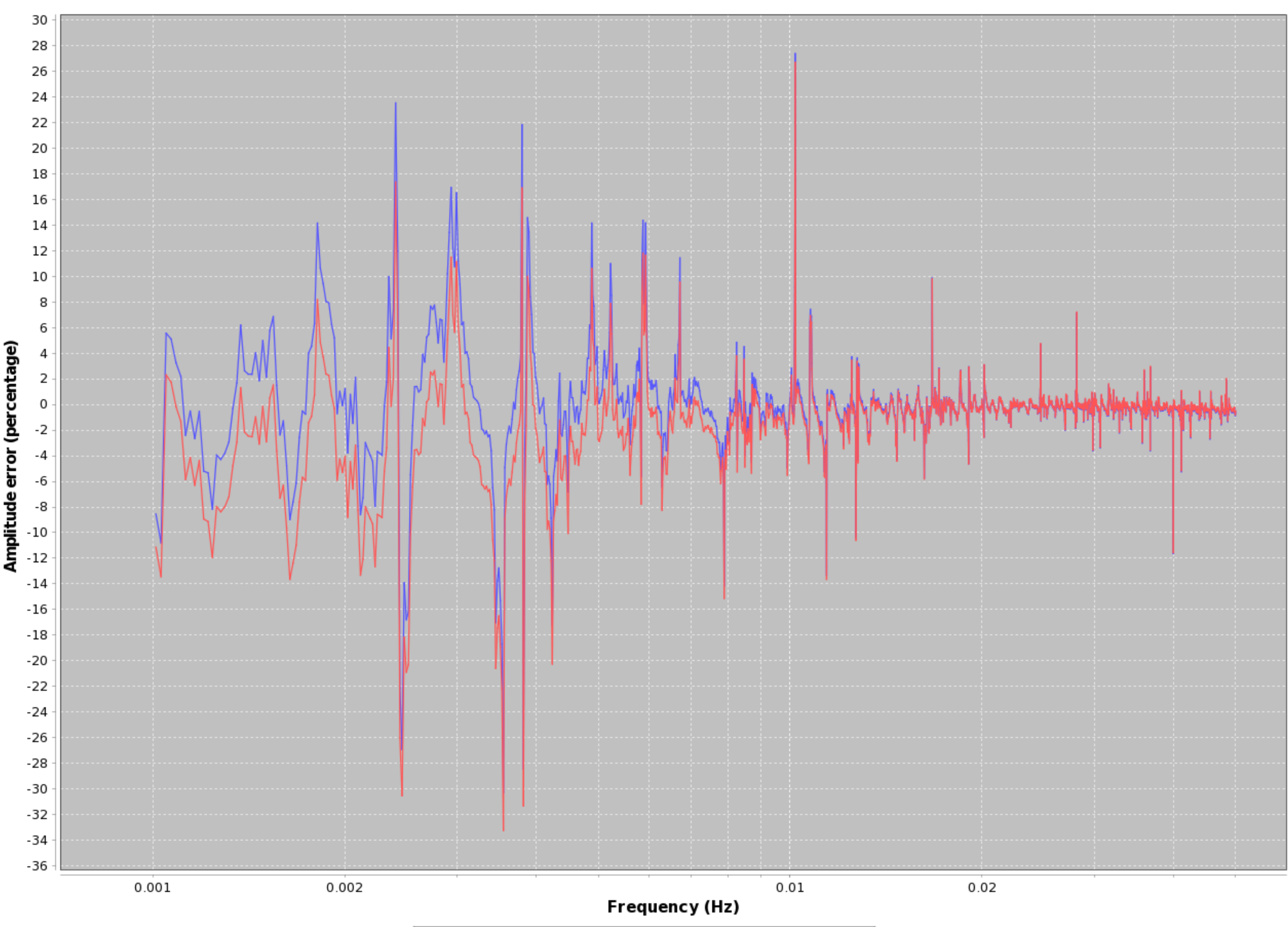
Randomized calibration (LOW FREQ.)



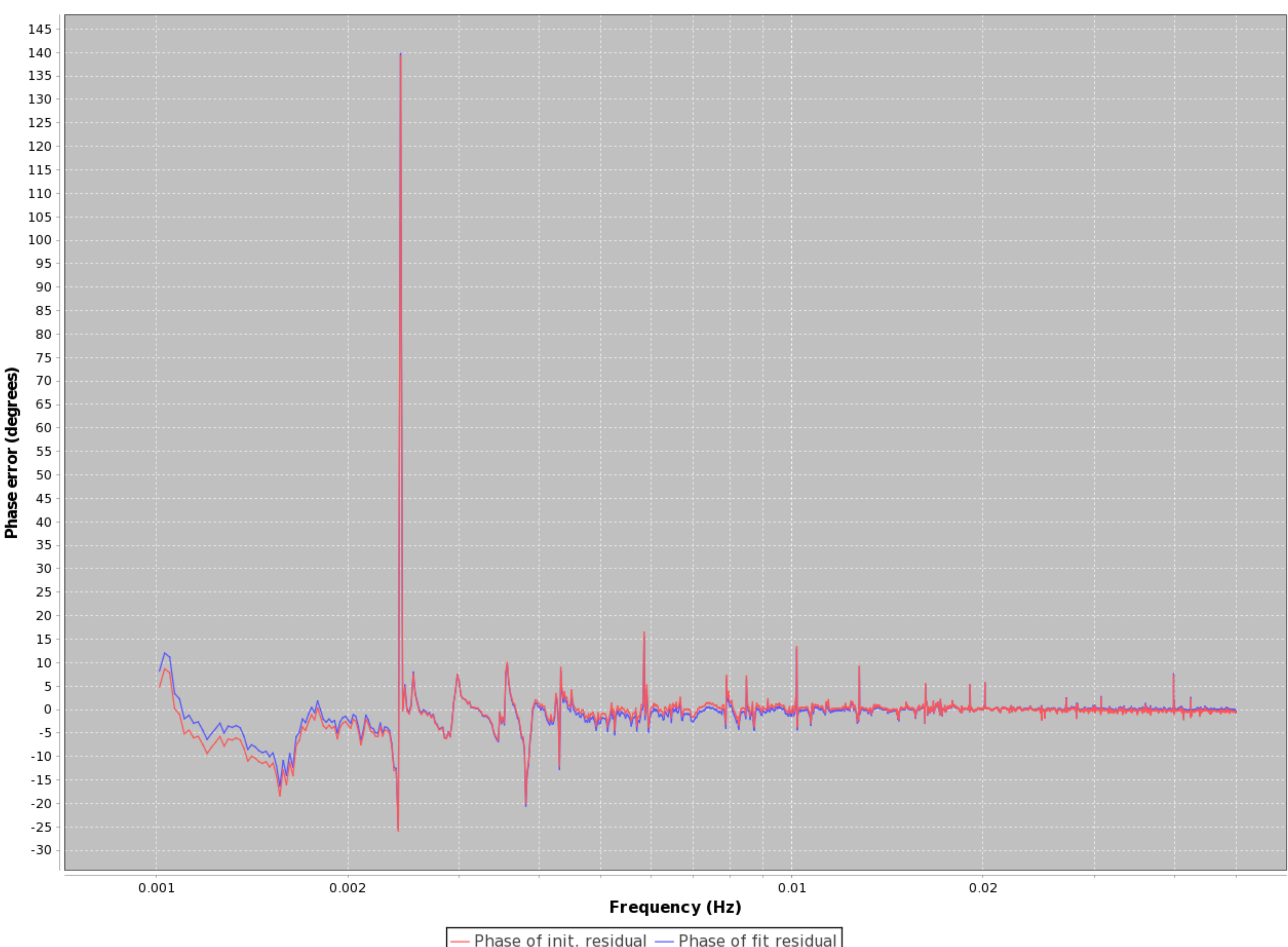
Randomized calibration (LOW FREQ.)



Randomized calibration



Randomized calibration



Initial poles:

-0.00773 (812.52954 s)

-0.01265 + 0.01234i; -0.01265 - 0.01234i (355.59736 s)

-0.01902 (330.35318 s)

Fit poles:

-0.01665 (377.45407 s)

-0.01395 - 0.01255i; -0.01395 + 0.01255i (334.87679 s)

-0.03696 (170.01621 s)

Initial zeros:

-0.01357 (462.98958 s)

-0.01357 (462.98958 s);

Fit zeros:

-0.02888 (217.56713 s)

-0.02888 (217.56713 s);

Residuals:

Initial (nom. resp curve): 4365.481781892178

Best fit: 3900.2294248438293

Iteration count from solver: 29

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

IU_MAJO_ _BC0

IU_MAJO_00_BHZ

RESP.IU.MAJO.00.BHZ

Residuals weighting:

Amplitude: 1033.2279903543981

Phase: 0.42919141085629936

Time of report generation:

2017.237.21:21:00

Data start time:

2017.213.23:35:29

Data end time:

2017.214.07:37:35

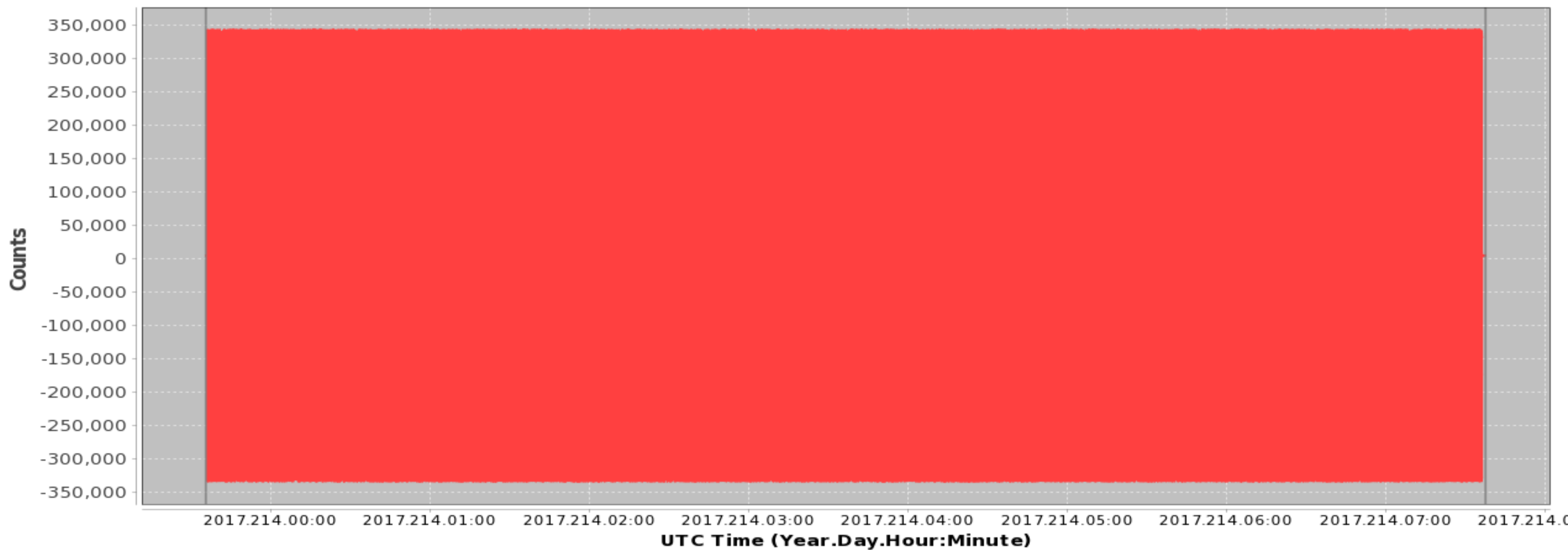
POLE VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-0.0077	-0.0166	+0.0089	-0.0122	-53.5458
+0	+0	+0	+0	+0
-0.0126	-0.014	+0.0013	-0.0133	-9.3476
+0.0123	+0.0125	-0.0002	+0.0124	-1.6487
-0.019	-0.037	+0.0179	-0.028	-48.535
+0	+0	+0	+0	+0

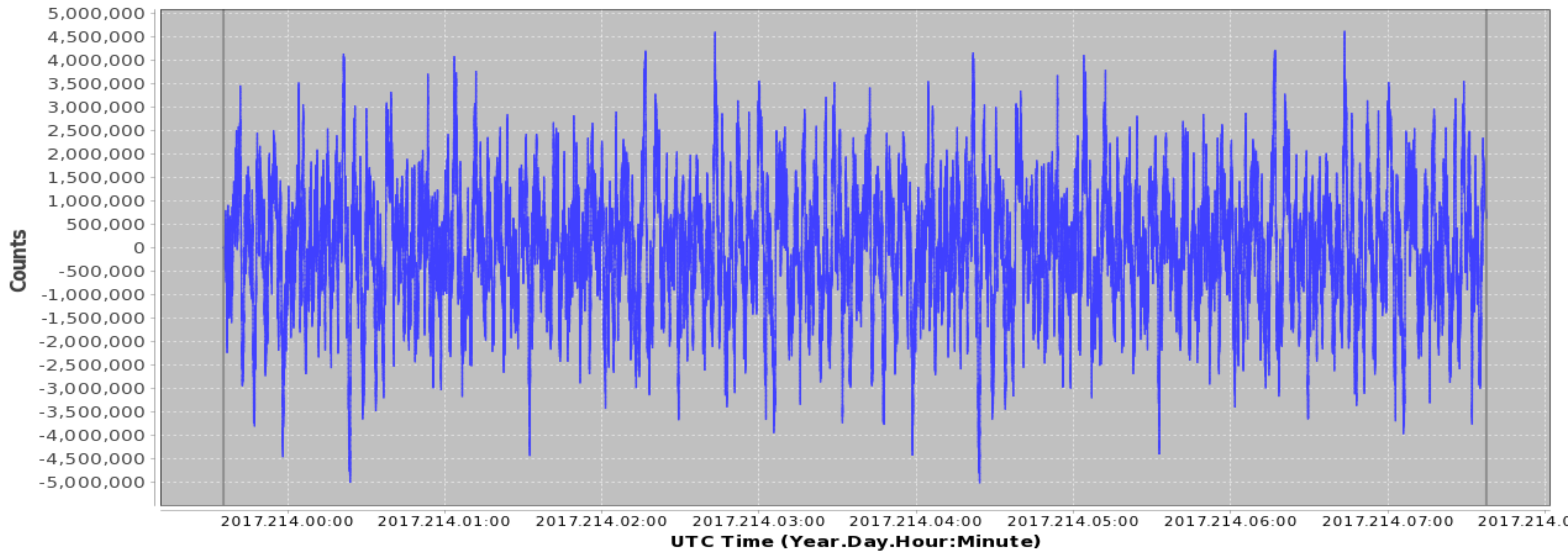
ZERO VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-0.0136	-0.0289	+0.0153	-0.0212	-53.0082
+0	+0	+0	+0	+0
-0.0136	-0.0289	+0.0153	-0.0212	-53.0082
+0	+0	+0	+0	+0

IU_MAJO_ _BC0 (20.0 Hz)



IU_MAJO_00_BHZ (20.0 Hz)



Response name: RESP.IU.MAJO.00.BHZ

Gain stage values:

0: 6,007,140,000

1: 3,580.54

2: 1,677,720

3: 1

4: 1

5: 1

6: 1

Normalization: 3949.21

Normalization frequency (Hz): 0.05

Transfer function is LAPLACIAN

Response input units: velocity (m/s)

Response zeros:

0: 0

1: 0

2: -0.0136

3: -0.0136

Response poles:

0: -0.0077

1: -0.0126 + 0.0123i

2: -0.0126 - 0.0123i

3: -0.019

4: -39.18 + 49.12i

5: -39.18 - 49.12i