Randomized calibration (LOW FREQ.)

Initial poles:
-0.01234 + 0.01234i; -0.01234 - 0.01234i (360.03914 s)
Fit poles:
-0.01205 - 0.01136i; -0.01205 + 0.01136i (379.55236 s)
Residuals:
Initial (nom. resp curve): 4614.634558130659
Best fit: 3939.577577648128

— Initial param (STS-1_Q330HR_BH_20) magnitude — Calc. resp. (IU_MAJO_00_BHZ) magnitude — Fit resp. magnitude
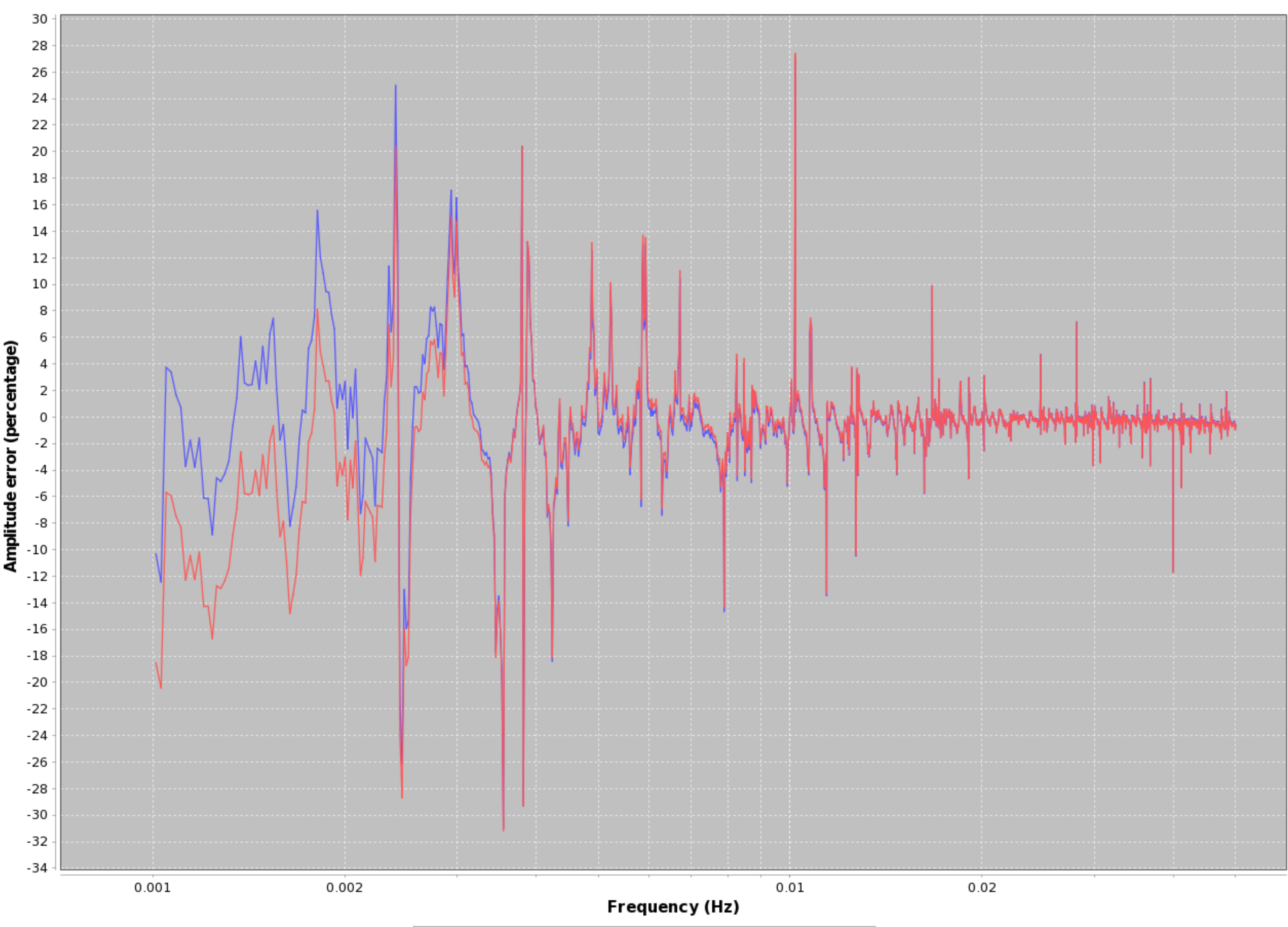
Randomized calibration (LOW FREQ.)
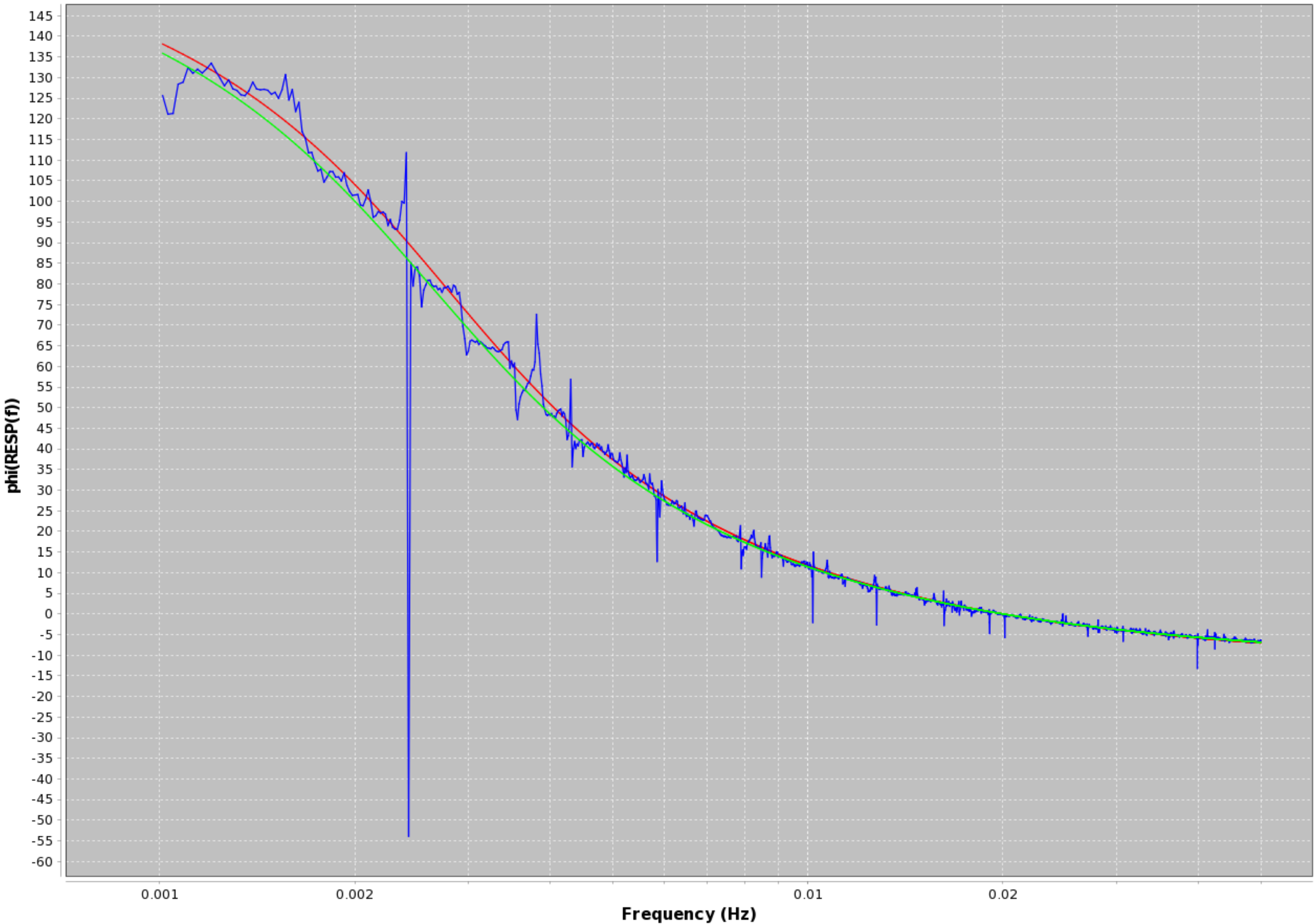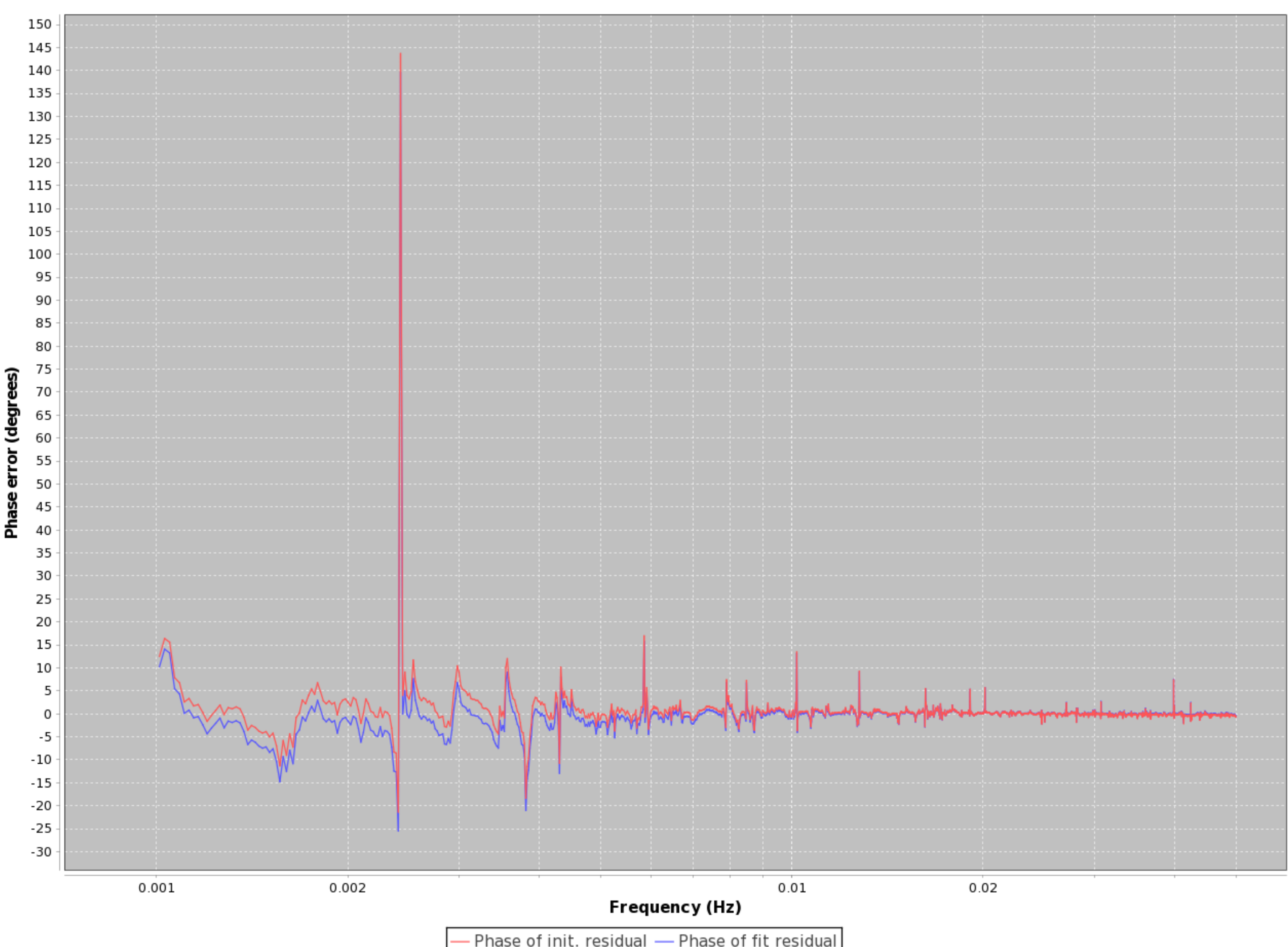
— Initial param (STS-1_Q330HR_BH_20) phase — Calc. resp. (IU_MAJO_00_BHZ) phase — Fit resp. phase

Randomized calibration

Amplitude error (percentage) vs Frequency (Hz)

Amplitude of init. residual — Amplitude of fit residual

Randomized calibration

Phase error (degrees) vs Frequency (Hz)

Phase of init. residual — Phase of fit residual

Initial poles:

-0.01234 + 0.01234i; -0.01234 - 0.01234i (360.03914 s)

Fit poles:

-0.01205 - 0.01136i; -0.01205 + 0.01136i (379.55236 s)

Residuals:

Initial (nom. resp curve): 4614.634558130659

Best fit: 3939.577577648128

Iteration count from solver: 5

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

IU_MAJO_ _BC0

IU_MAJO_00_BHZ

STS-1_Q330HR_BH_20

Residuals weighting:

    Amplitude: 1033.2279903543981

    Phase: 0.42919141085629936

Time of report generation:

2017.237.20:54:28

Data start time:
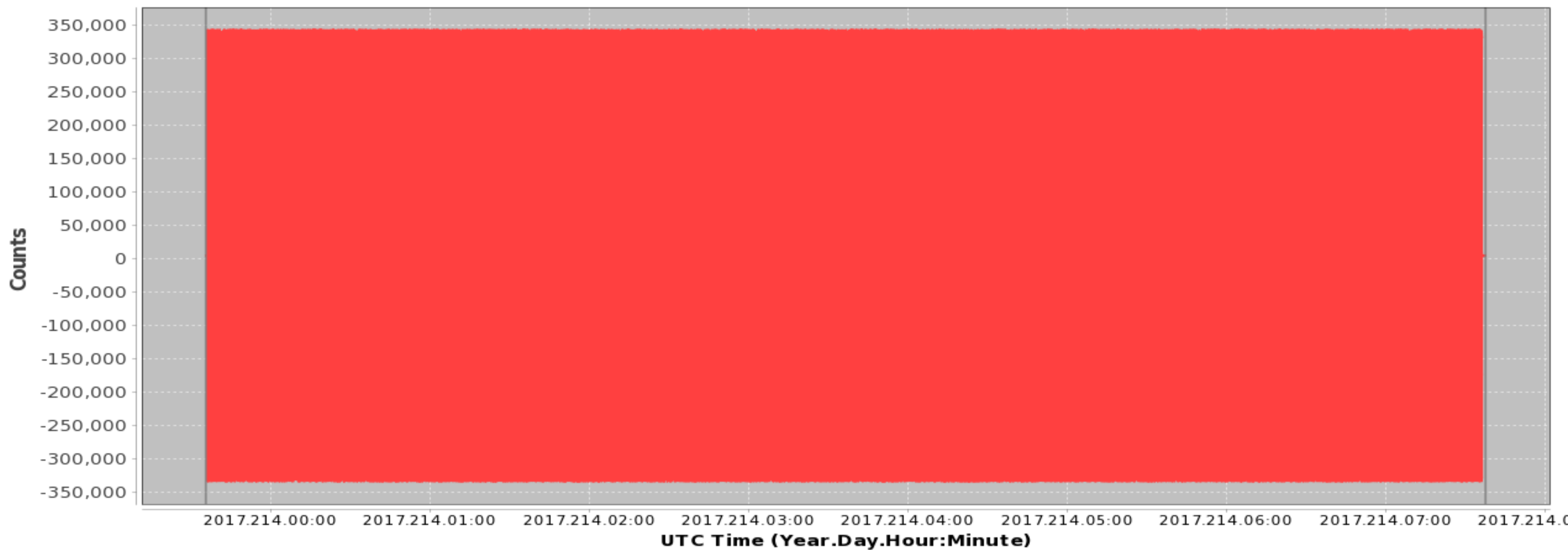
2017.213.23:35:29

Data end time:

2017.214.07:37:35
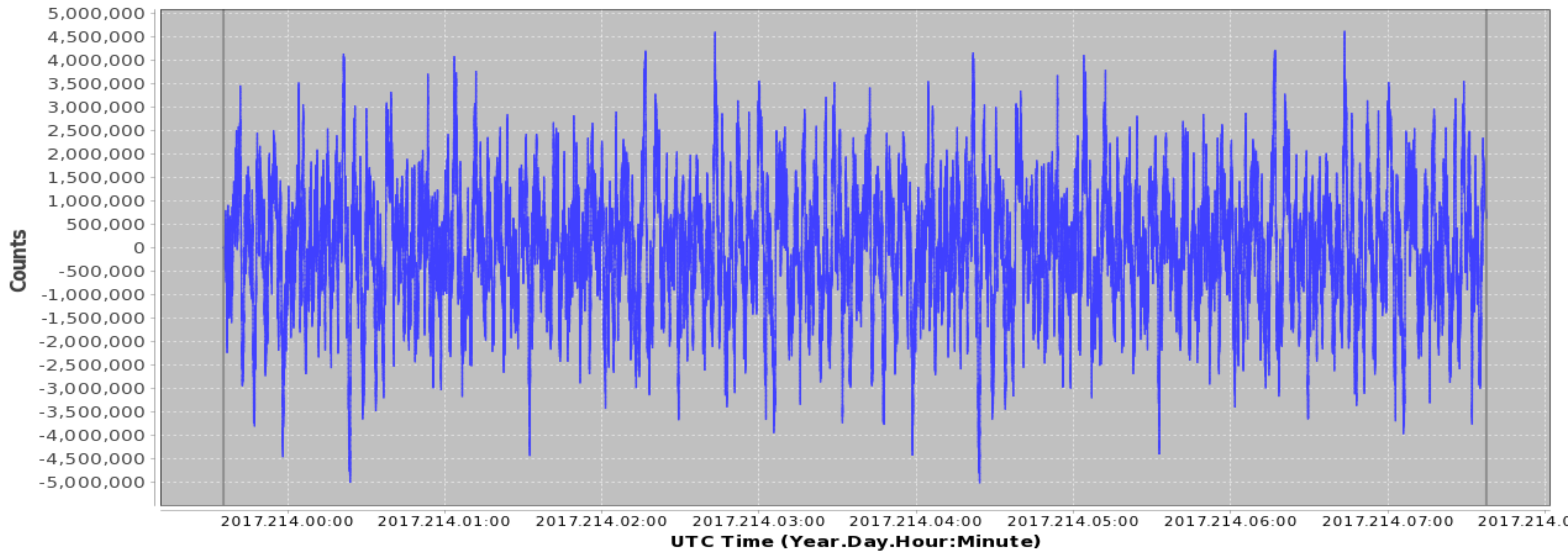
POLE VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-0.0123	-0.012	-0.0003	-0.0122	+2.4441
+0.0123	+0.0114	+0.001	+0.0118	+8.6707

IU_MAJO_ _BC0 (20.0 Hz)

IU_MAJO_00_BHZ (20.0 Hz)

Response name: STS-1_Q330HR_BH_20

Gain stage values:

0: 4,026,530,000

1: 2,400

2: 1,677,721

Normalization: 3948.58

Normalization frequency (Hz): 0.02

Transfer function is LAPLACIAN

Response input units: velocity (m/s)

Response zeros:

0: 0

1: 0

Response poles:

0: -0.0123 + 0.0123i

1: -0.0123 - 0.0123i

2: -39.18 + 49.12i

3: -39.18 - 49.12i