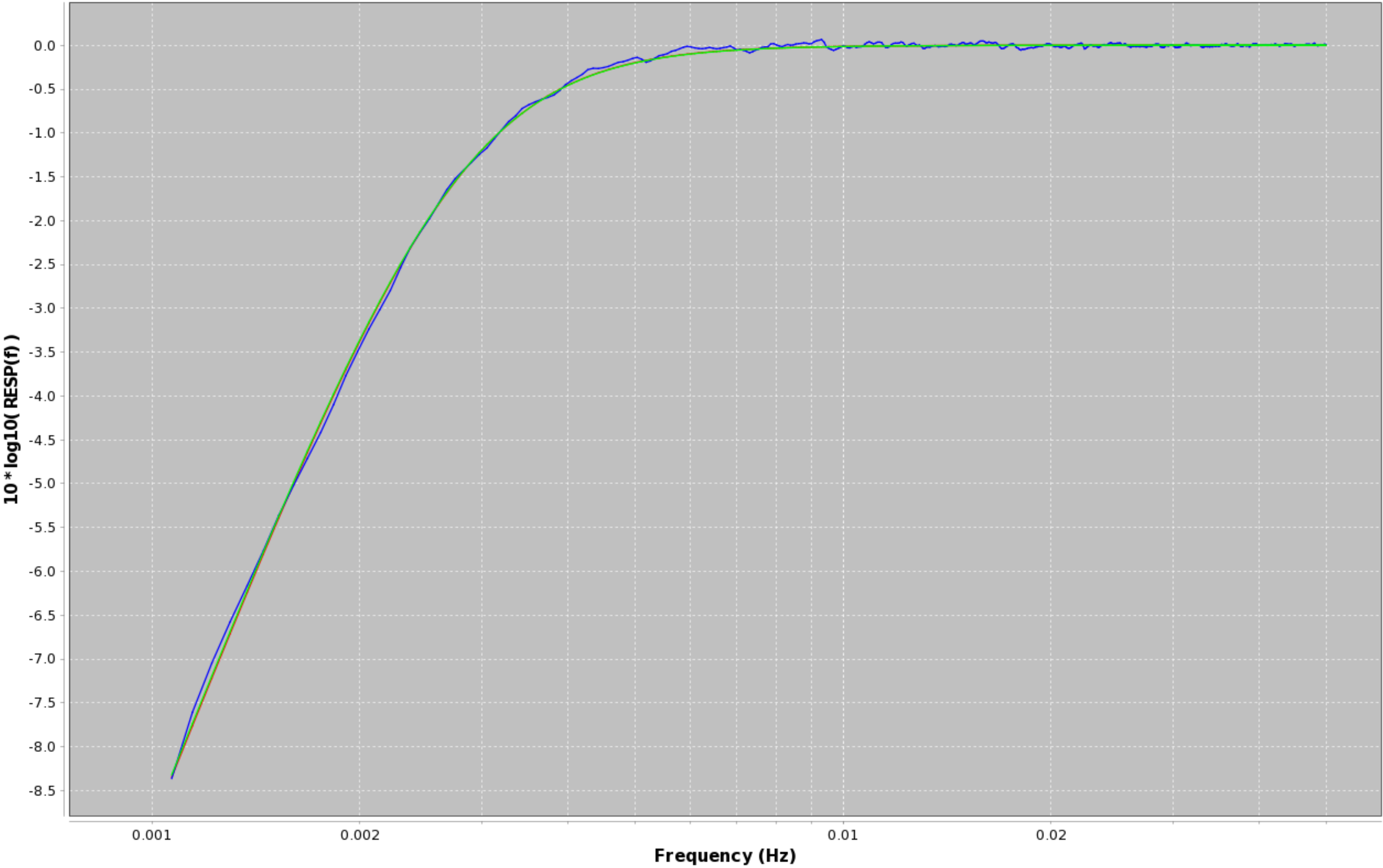


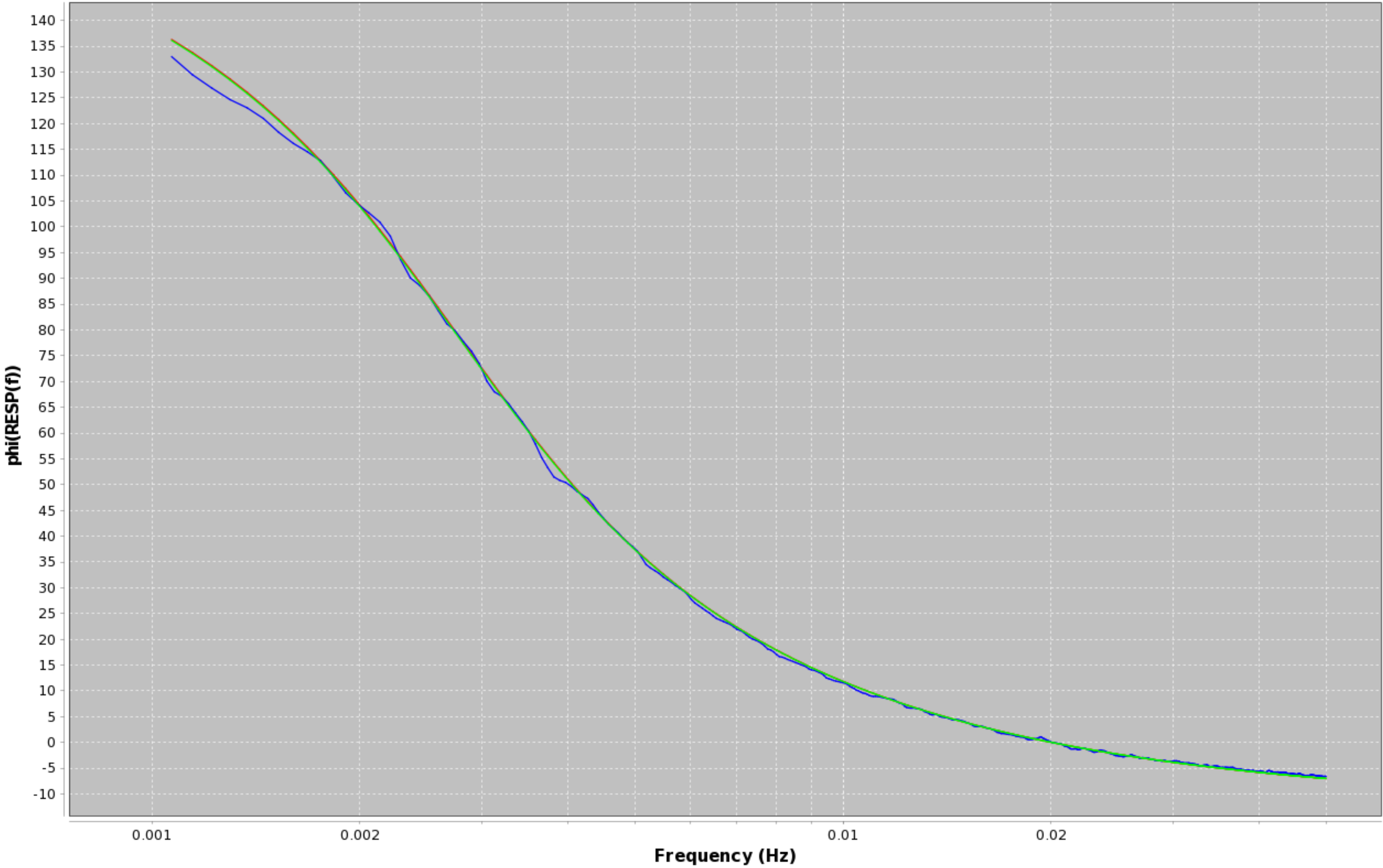
Randomized calibration (LOW FREQ.)



Initial param (STS-1_Q330HR_BH_20) magnitude Calc. resp. (IU_MAJO_00_BHZ) magnitude Fit resp. magnitude

Initial poles: $-0.01234 + 0.01234i$; $-0.01234 - 0.01234i$ (360.03914 s) Residuals: Initial (nom. resp curve): 1455.161706251913
Fit poles: $-0.01233 - 0.01227i$; $-0.01233 + 0.01227i$ (361.28812 s) Best fit: 1429.6699600215063
NUMBER OF ITERATIONS: 12

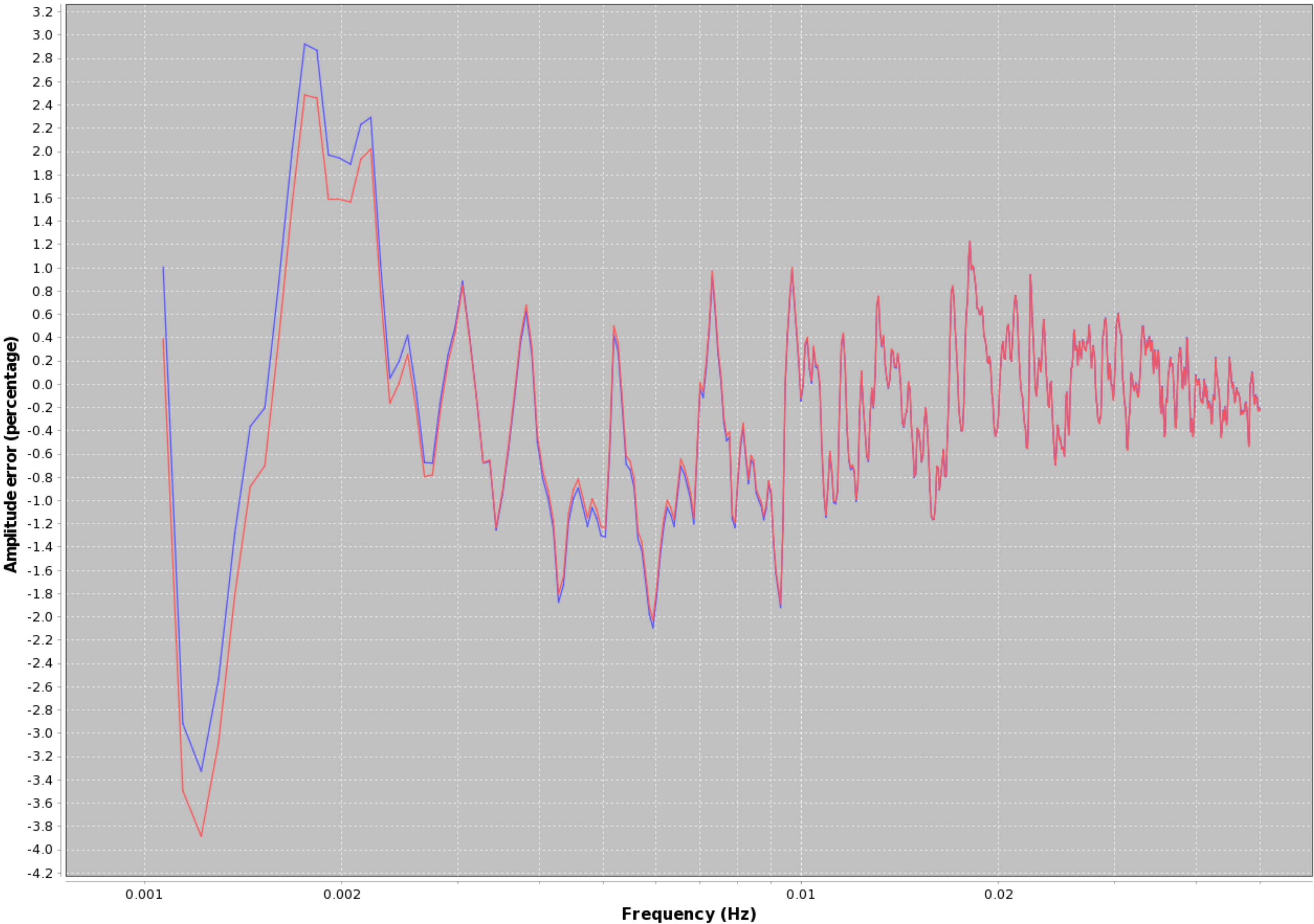
Randomized calibration (LOW FREQ.)



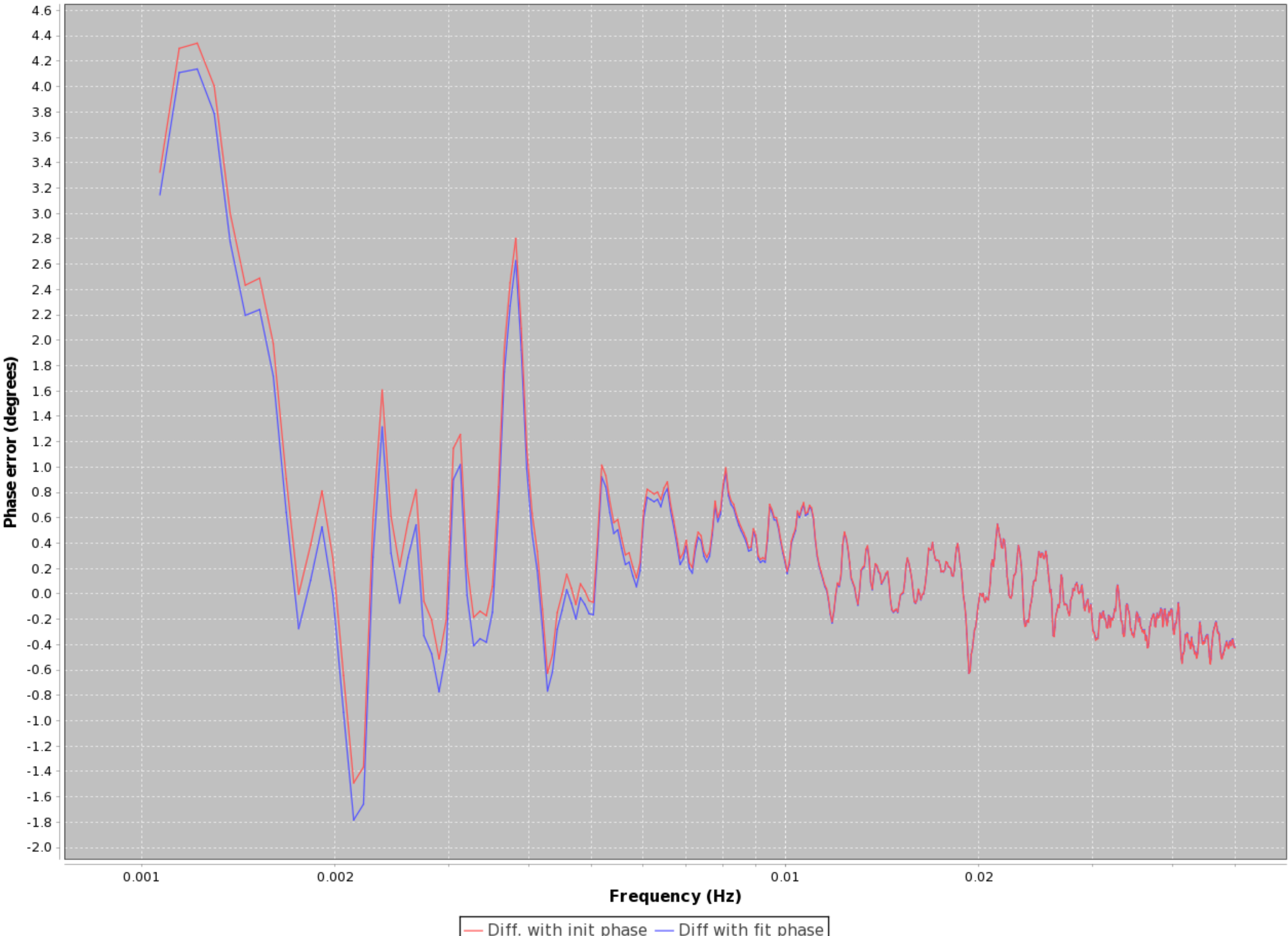
Initial param (STS-1_Q330HR_BH_20) phase Calc. resp. (IU_MAJO_00_BHZ) phase Fit resp. phase

Initial poles: $-0.01234 + 0.01234i$; $-0.01234 - 0.01234i$ (360.03914 s) Residuals: Initial (nom. resp curve): 1455.161706251913
Fit poles: $-0.01233 - 0.01227i$; $-0.01233 + 0.01227i$ (361.28812 s) Best fit: 1429.6699600215063
NUMBER OF ITERATIONS: 12

Randomized calibration



Randomized calibration



Initial poles:

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

Fit poles:

-0.01233 - 0.01227i; -0.01233 + 0.01227i (361.28812 s)

Residuals:

Initial (nom. resp curve): 1455.161706251913

Best fit: 1429.6699600215063

Iteration count from solver: 12

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: 15058.198051425337

Phase: 0.4308749882176093

Time of report generation:

2017.250.15:24:37

Data start time:

2017.213.23:34:28

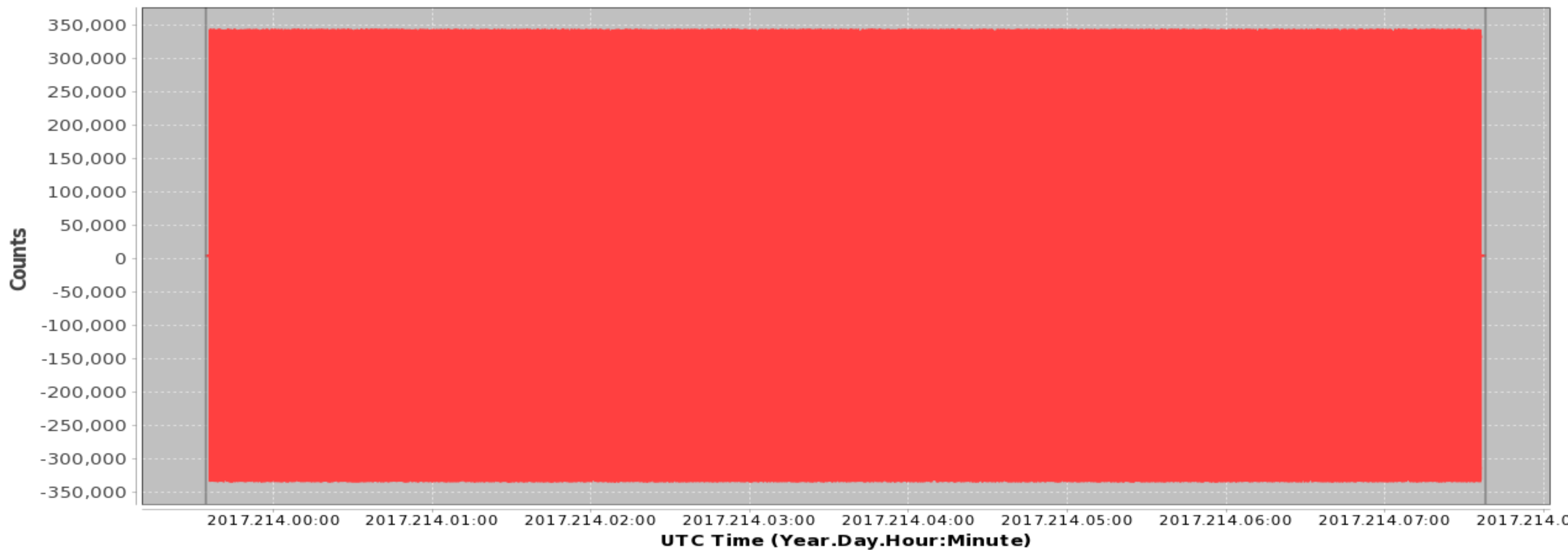
Data end time:

2017.214.07:38:03

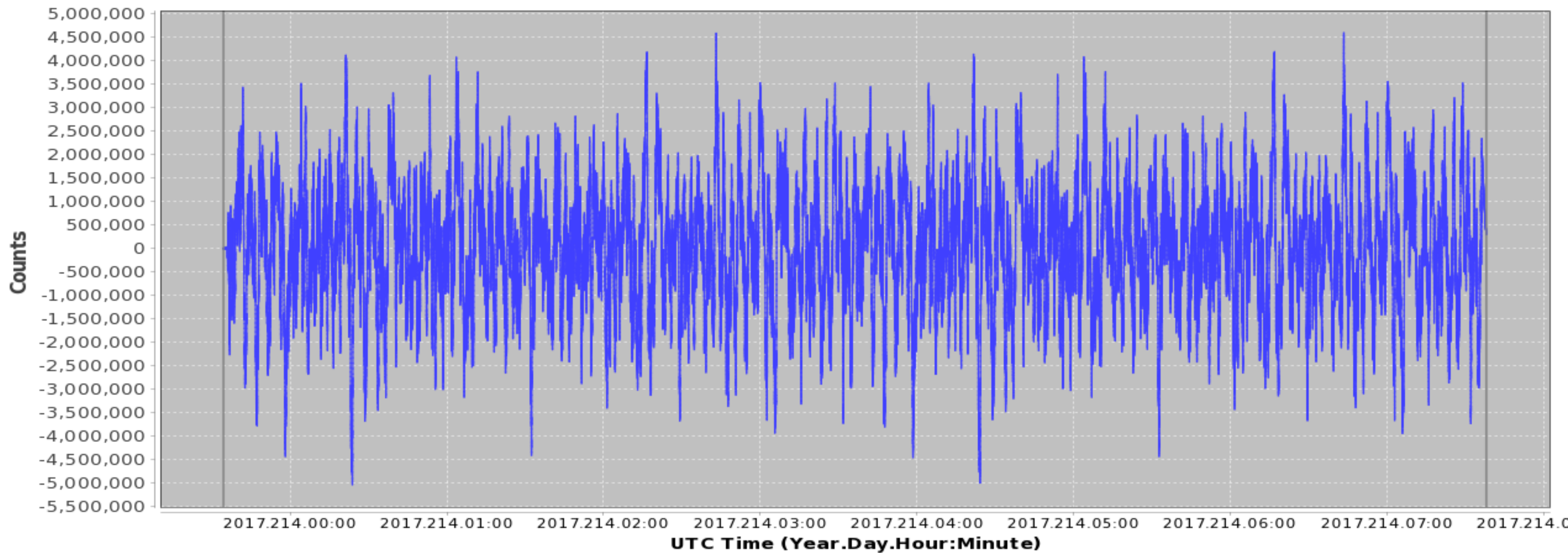
POLE VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-0.0123	-0.0123	-0	-0.0123	+0.0857
+0.0123	+0.0123	+0.0001	+0.0123	+0.6101

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: $-39.18 - 49.12i$