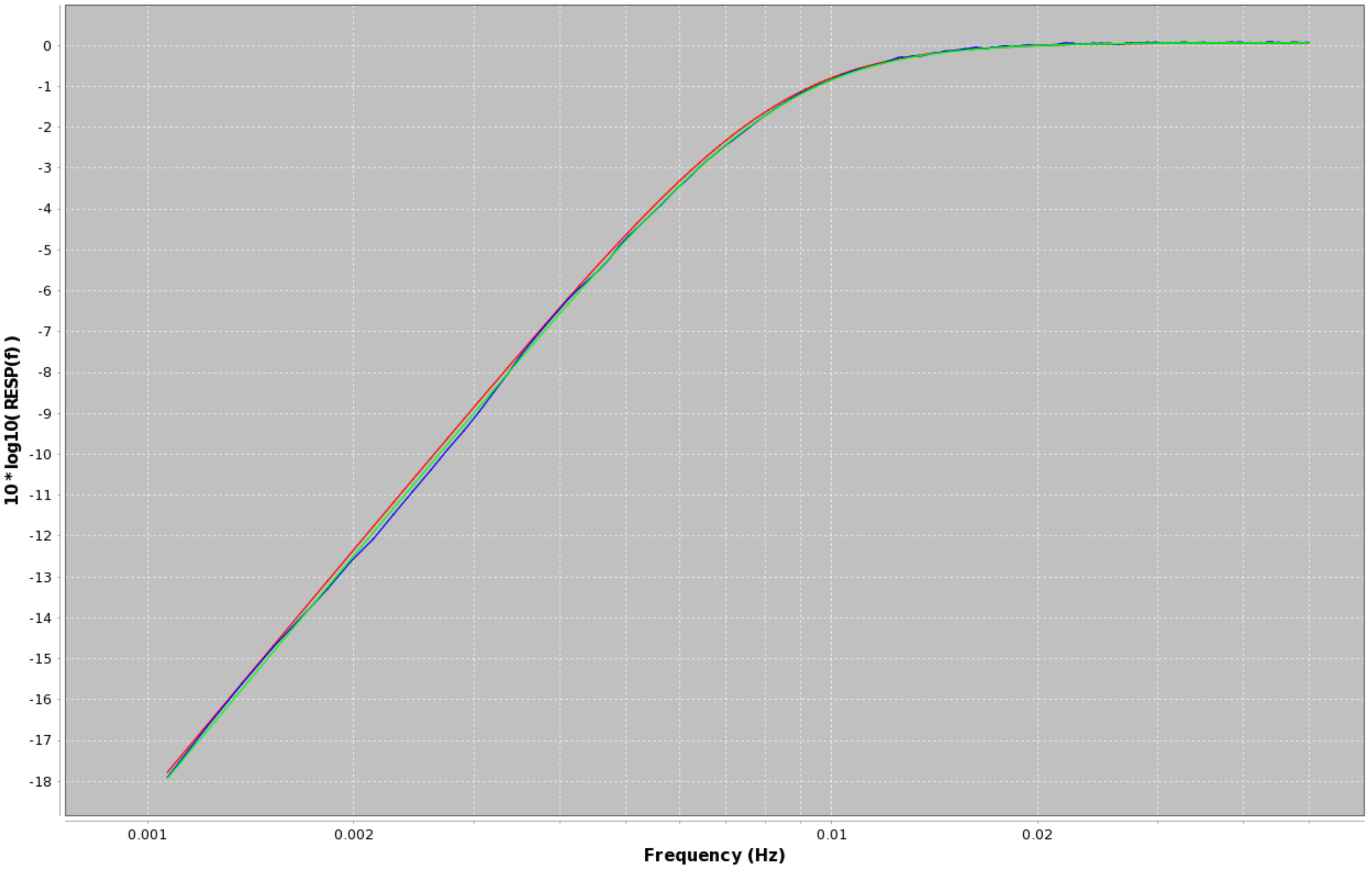
Randomized calibration (LOW FREQ.)

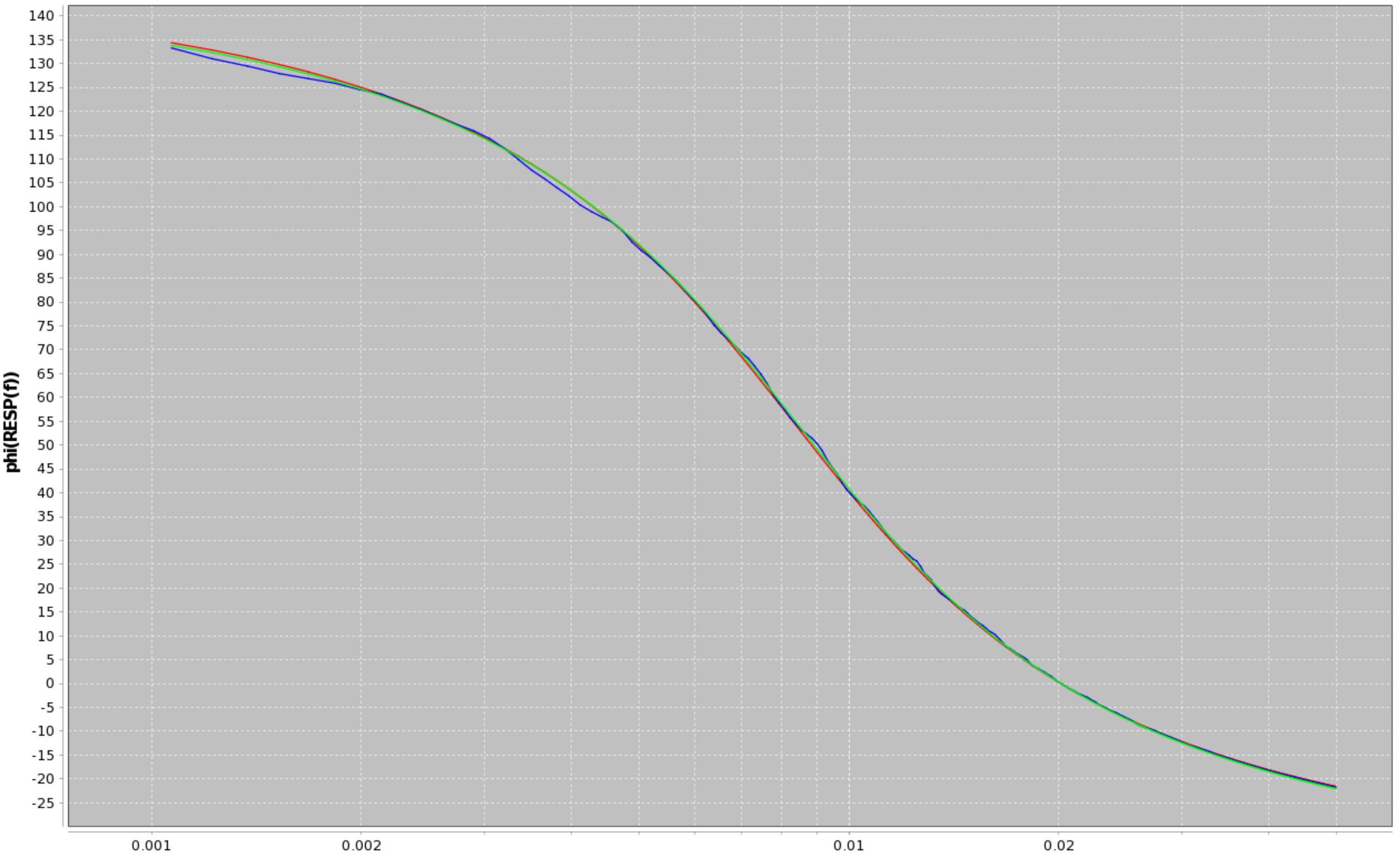


Initial poles:
-0.037 - 0.037i; -0.037 + 0.037i (120.07792 s)
Fit poles:
-0.03772 - 0.0376i; -0.03772 + 0.0376i (117.96625 s)

Residuals:
Initial (nom. resp curve): 2118.2494196928274
Best fit: 1143.6337019927844

NUMBER OF ITERATIONS: 6

Randomized calibration (LOW FREQ.)



Initial poles:
-0.037 - 0.037i; -0.037 + 0.037i (120.07792 s)
Fit poles:
-0.03772 - 0.0376i; -0.03772 + 0.0376i (117.96625 s)

Residuals:
Initial (nom. resp curve): 2118.2494196928274
Best fit: 1143.6337019927844

NUMBER OF ITERATIONS: 6

Randomized calibration

Amplitude error (percentage)

7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 -1.0 -1.5 -2.0 -2.5 -3.0

0.001 0.002 0.01 0.02

Frequency (Hz)

Percent error of init. amplitude — Percent error of fit amplitude

Randomized calibration

Phase error (degrees)

2.0 1.9 1.8 1.7 1.6 1.5 1.4 1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.0 -0.1 -0.2 -0.3 -0.4 -0.5 -0.6 -0.7 -0.8 -0.9 -1.0 -1.1 -1.2 -1.3 -1.4 -1.5 -1.6 -1.7 -1.8 -1.9

0.001 0.002 0.01 0.02

Frequency (Hz)

Diff. with init phase — Diff with fit phase

Initial poles:
-0.037 - 0.037i; -0.037 + 0.037i (120.07792 s)
Fit poles:
-0.03772 - 0.0376i; -0.03772 + 0.0376i (117.96625 s)
Residuals:
Initial (nom. resp curve): 2118.2494196928274
Best fit: 1143.6337019927844

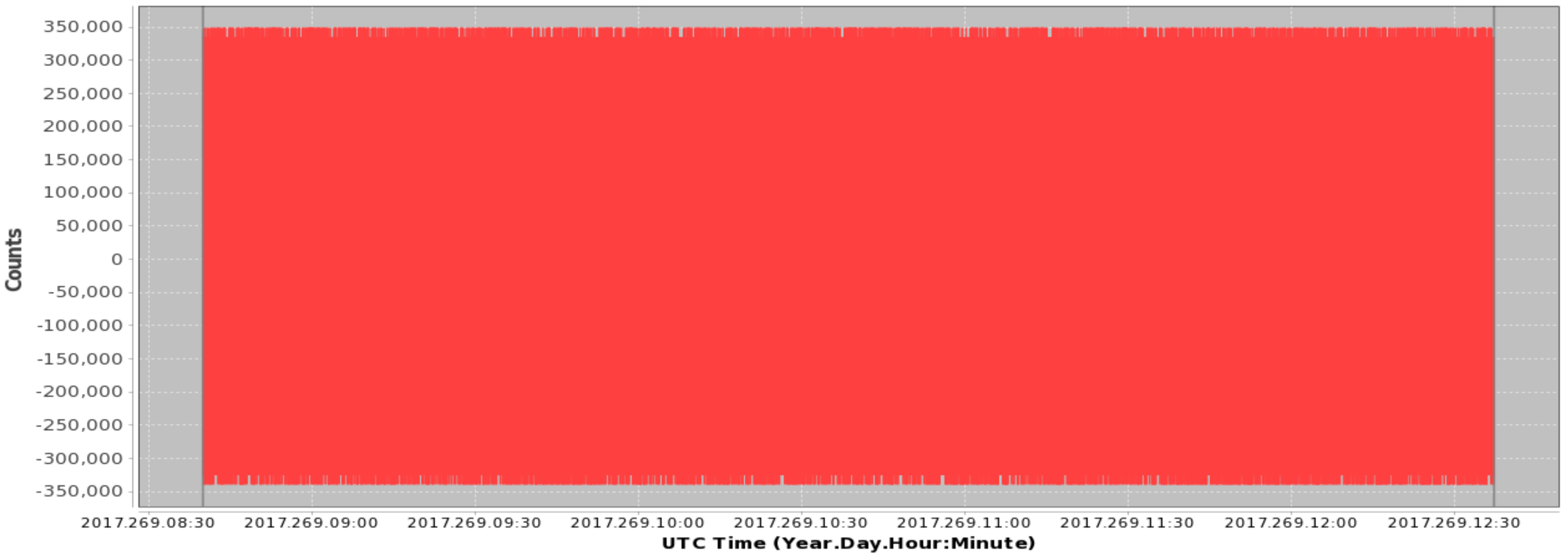
Iteration count from solver: 6
Input filenames, with SEED and RESP files paired as appropriate:
IU_COLA_ _BC1
IU_COLA_10_BHZ
STS-5A_Q330HR_BH_40
Residuals weighting:
    Amplitude: 11517.04947766914
    Phase: 0.42993581809116094

Time of report generation:
2017.269.18:31:56
Data start time:
2017.269.08:39:55
Data end time:
2017.269.12:37:15

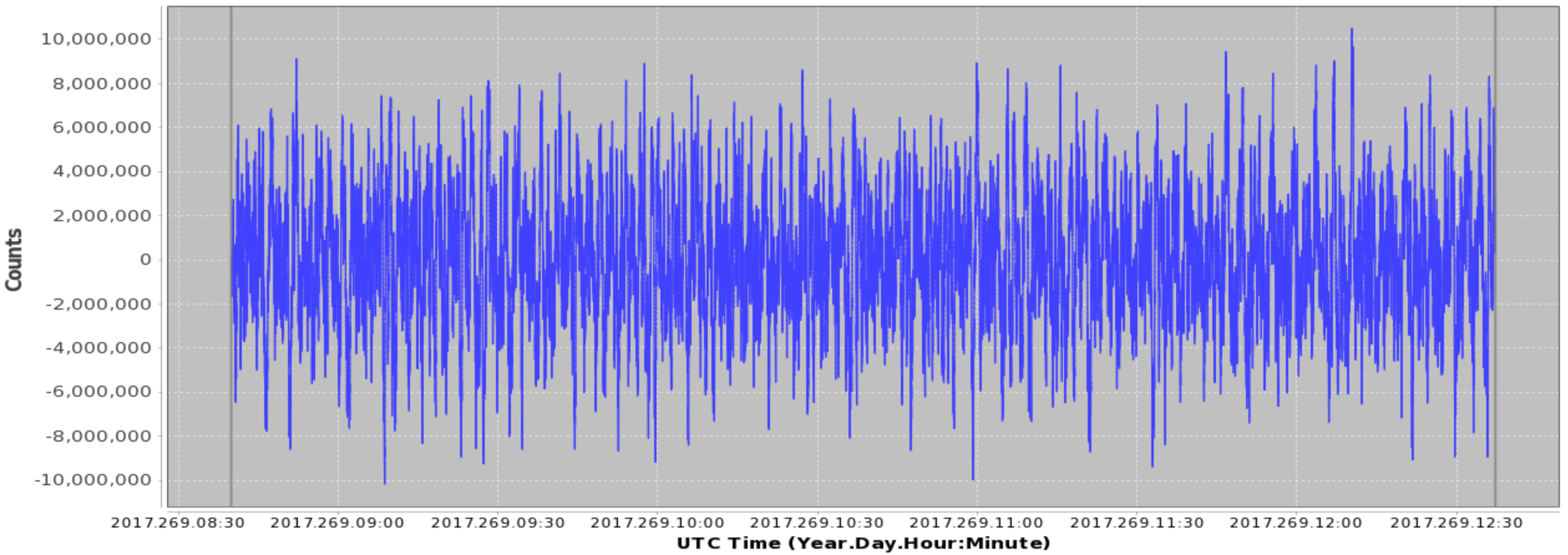
POLE VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-0.037	-0.0377	+0.0007	-0.0374	-1.9162
-0.037	-0.0376	+0.0006	-0.0373	-1.6002

IU_COLA_ _BC1 (40.0 Hz)



IU_COLA_10_BHZ (40.0 Hz)



Response name: STS-5A_Q330HR_BH_40
Gain stage values:
0: 2,516,581,500
1: 1,500
2: 1,677,721
Normalization: 1.853486E-4
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: -605.07
5: -961.33
6: -521.5 + 961.33i
7: -521.5 - 961.33i
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