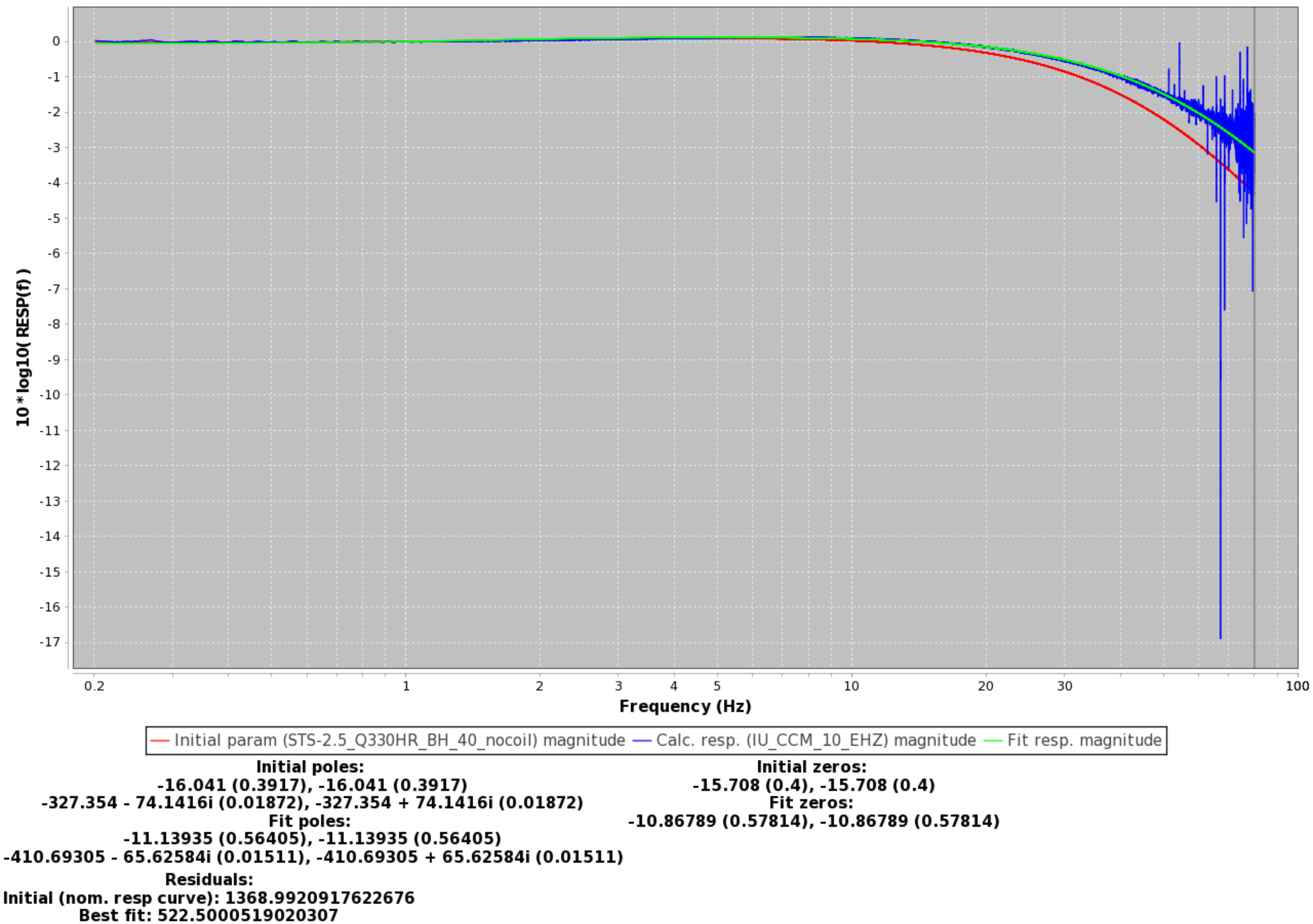
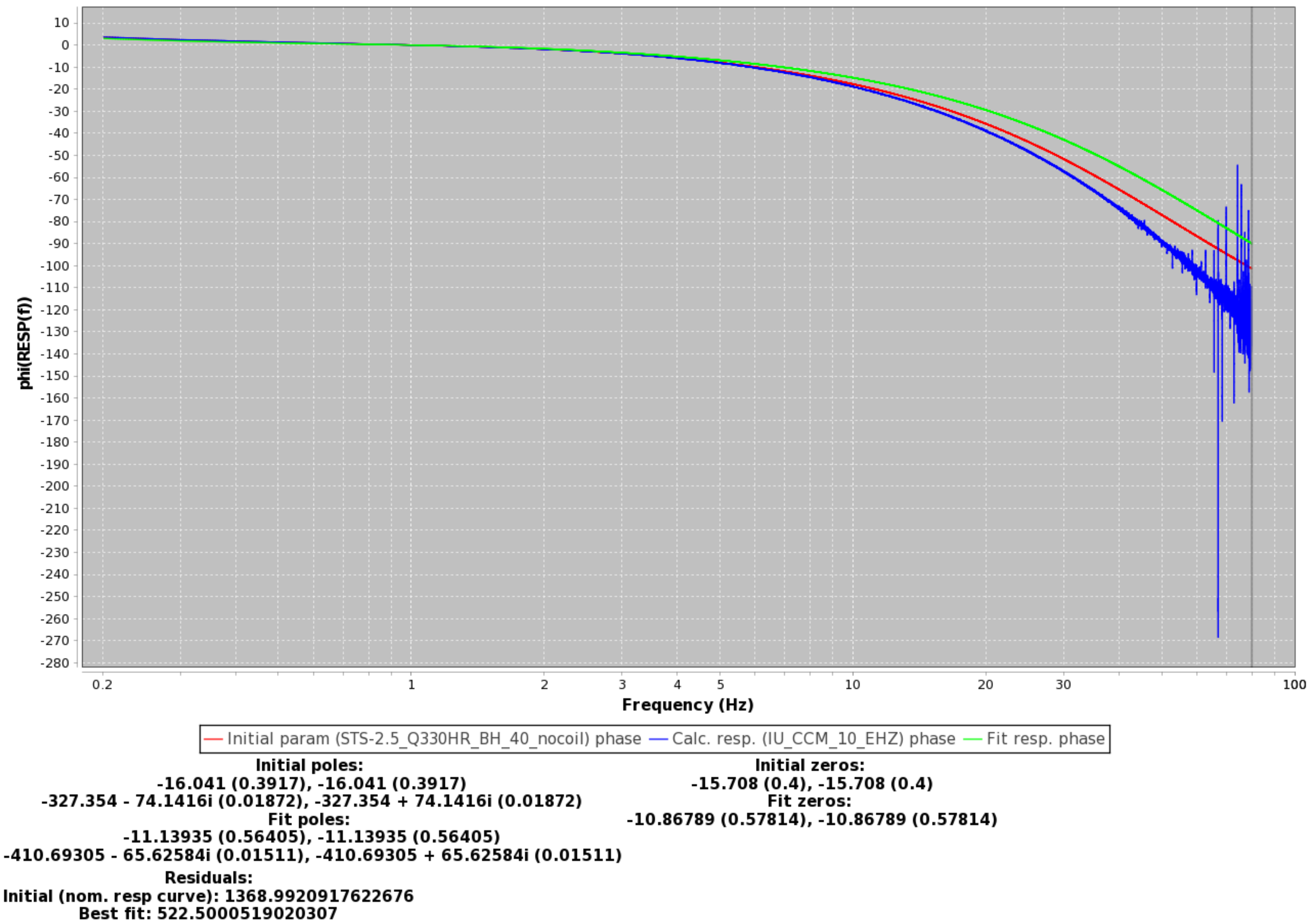


Randomized calibration (HIGH FREQ.)

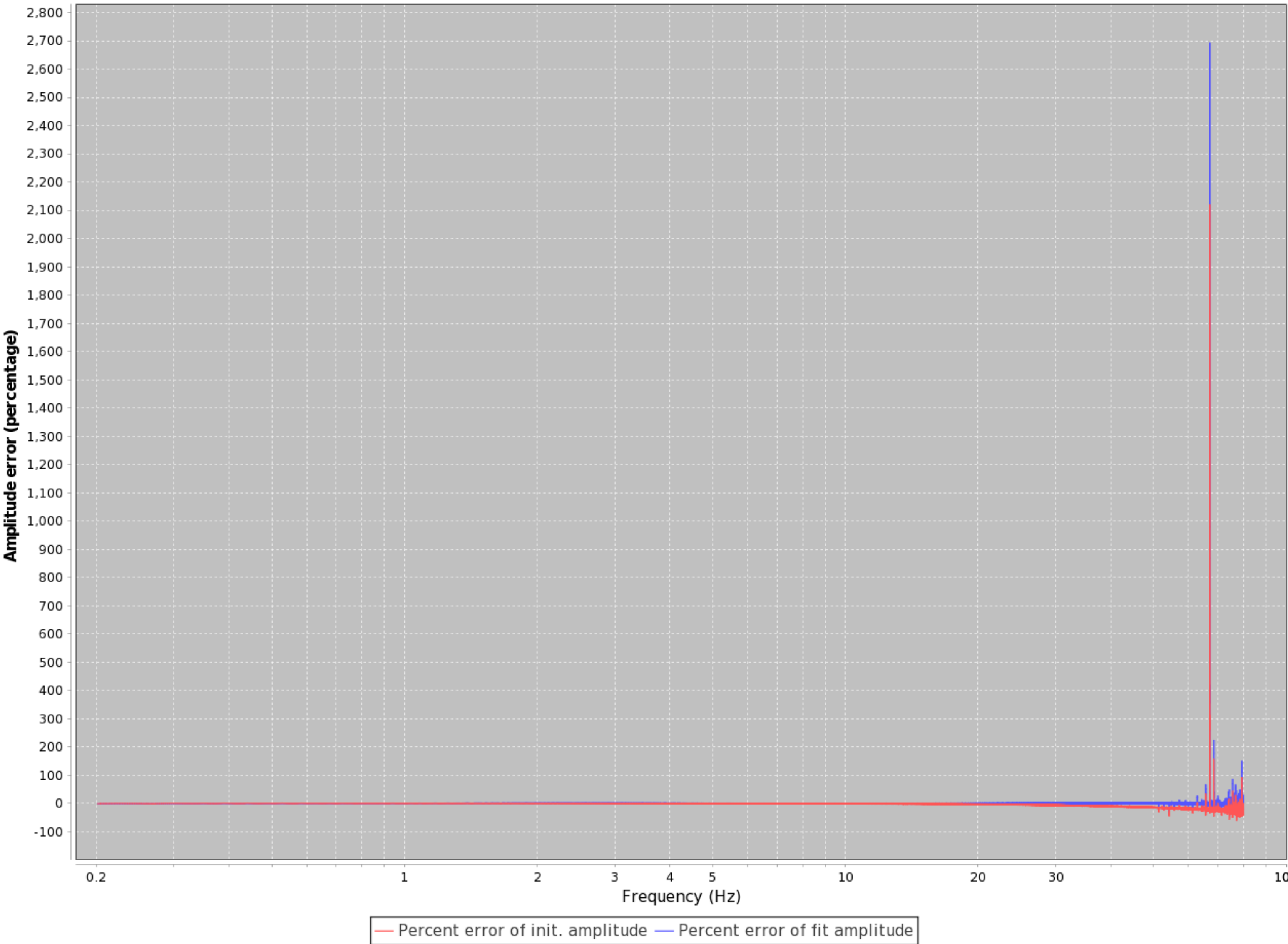


NUMBER OF ITERATIONS: 56

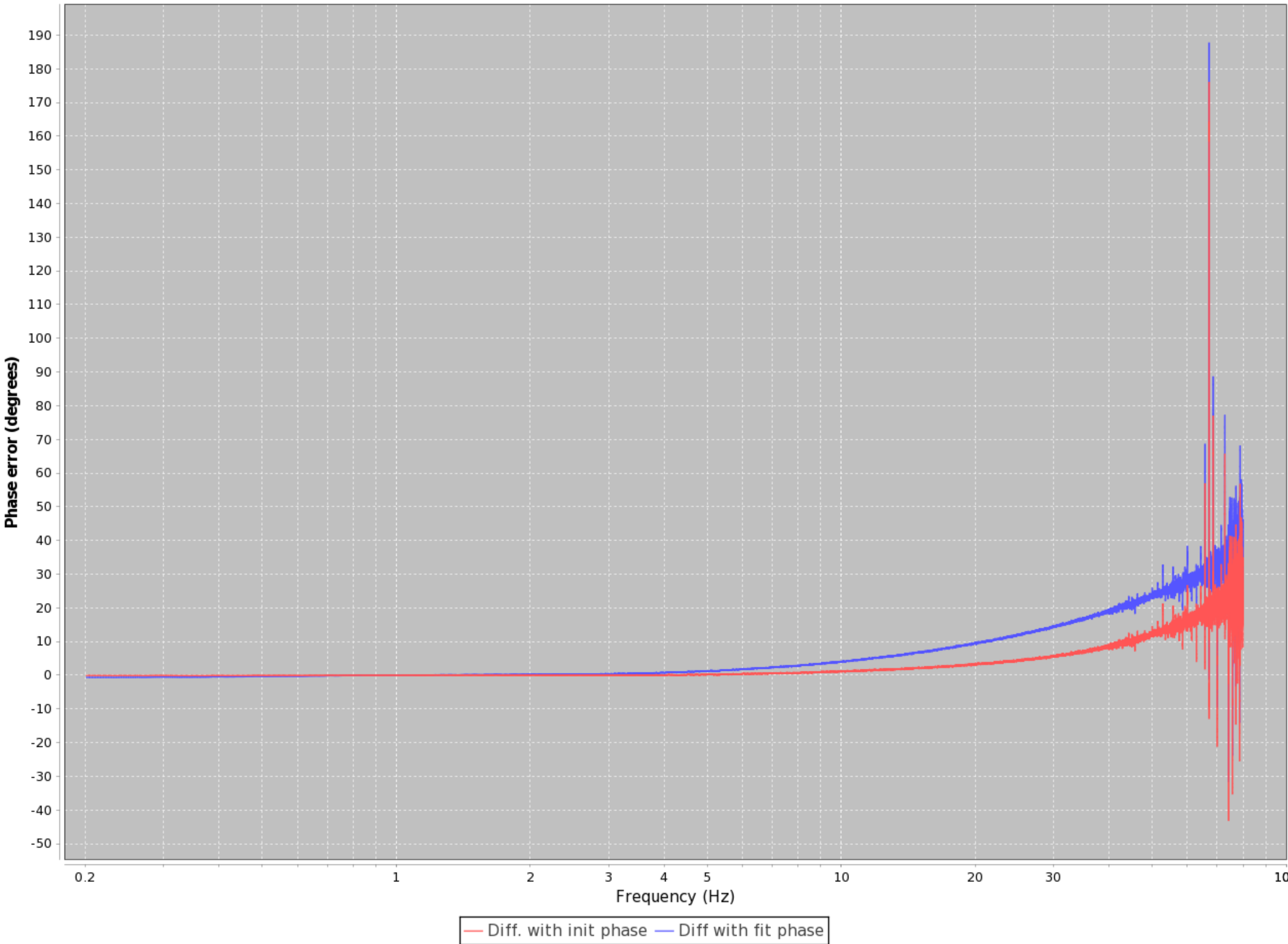
Randomized calibration (HIGH FREQ.)



Randomized calibration



Randomized calibration



Initial poles:

-16.041 (0.3917), -16.041 (0.3917)  
-327.354 - 74.1416i (0.01872), -327.354 + 74.1416i (0.01872)

Fit poles:

-11.13935 (0.56405), -11.13935 (0.56405)  
-410.69305 - 65.62584i (0.01511), -410.69305 + 65.62584i  
(0.01511)

Initial zeros:

-15.708 (0.4), -15.708 (0.4)

Fit zeros:

-10.86789 (0.57814), -10.86789 (0.57814)

Residuals:

Initial (nom. resp curve): 1368.9920917622676

Best fit: 522.5000519020307

Iteration count from solver: 56

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

IU\_CCM\_10\_BC1

IU\_CCM\_10\_EHZ

STS-2.5\_Q330HR\_BH\_40\_nocoil

Residuals weighting:

Amplitude: 7977.814777435791

Phase: 0.33415428890411153

Time of report generation:

2017.313.18:59:30

Data start time:

2017.151.22:28:59

Data end time:

2017.151.22:44:00

POLE VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-16.041	-11.1393	-4.9017	-13.5902	+44.0031
+0	+0	+0	+0	+0
-16.041	-11.1393	-4.9017	-13.5902	+44.0031
+0	+0	+0	+0	+0
-327.354	-410.693	+83.339	-369.0235	-20.2923
-74.1416	-65.6258	-8.5158	-69.8837	+12.9762

ZERO VARIABLES, AS CSV:

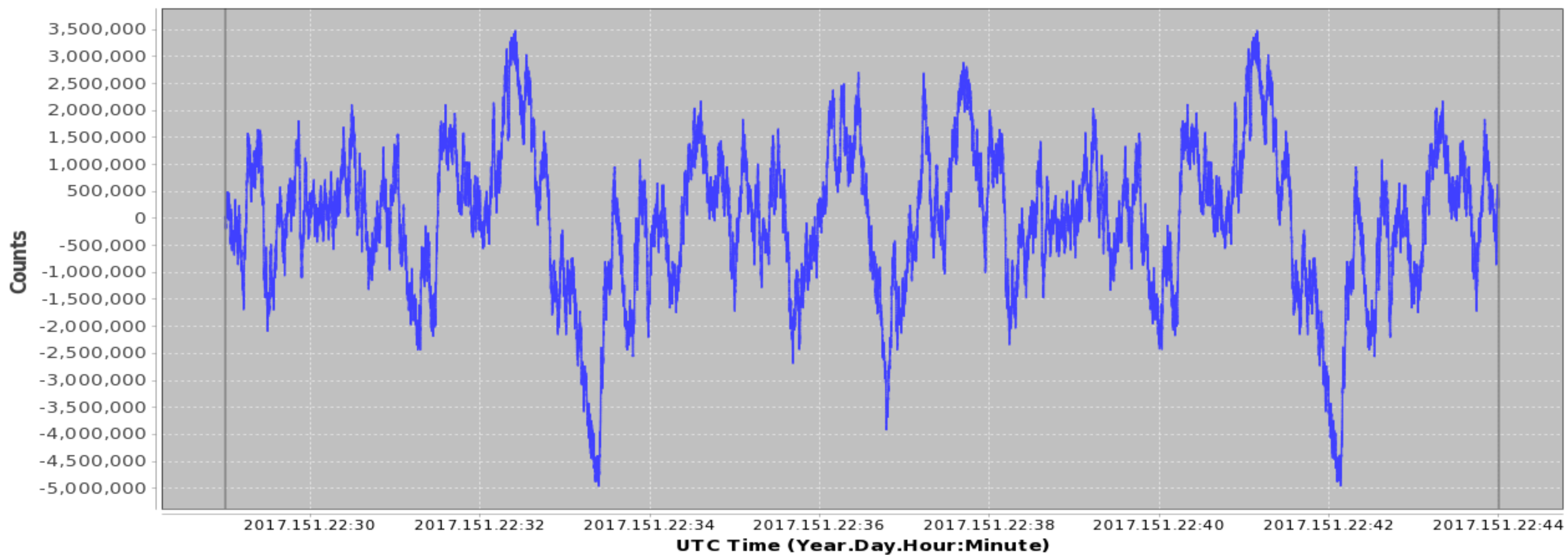
Init	Fit	Diff	Mean	PctDiff
-15.708	-10.8679	-4.8401	-13.2879	+44.5359
+0	+0	+0	+0	+0
-15.708	-10.8679	-4.8401	-13.2879	+44.5359
+0	+0	+0	+0	+0



**IU\_CCM\_10\_BC1 (200.0 Hz)**



**IU\_CCM\_10\_EHZ (200.0 Hz)**



Response name: STS-2.5\_Q330HR\_BH\_40\_nocoil

Gain stage values:

0: 2,516,581,500

1: 1,500

2: 1,677,721

Normalization: 180579.920306

Normalization frequency (Hz): 1.0

Transfer function is LAPLACIAN

Response input units: velocity (m/s)

Response zeros:

0: 0

1: 0

2: -15.708

3: -15.708

4: -630.203

Response poles:

0:  $-0.037 + 0.037i$

1:  $-0.037 - 0.037i$

2: -16.041

3: -16.041

4:  $-327.354 - 74.1416i$

5:  $-327.354 + 74.1416i$

6: -973.894