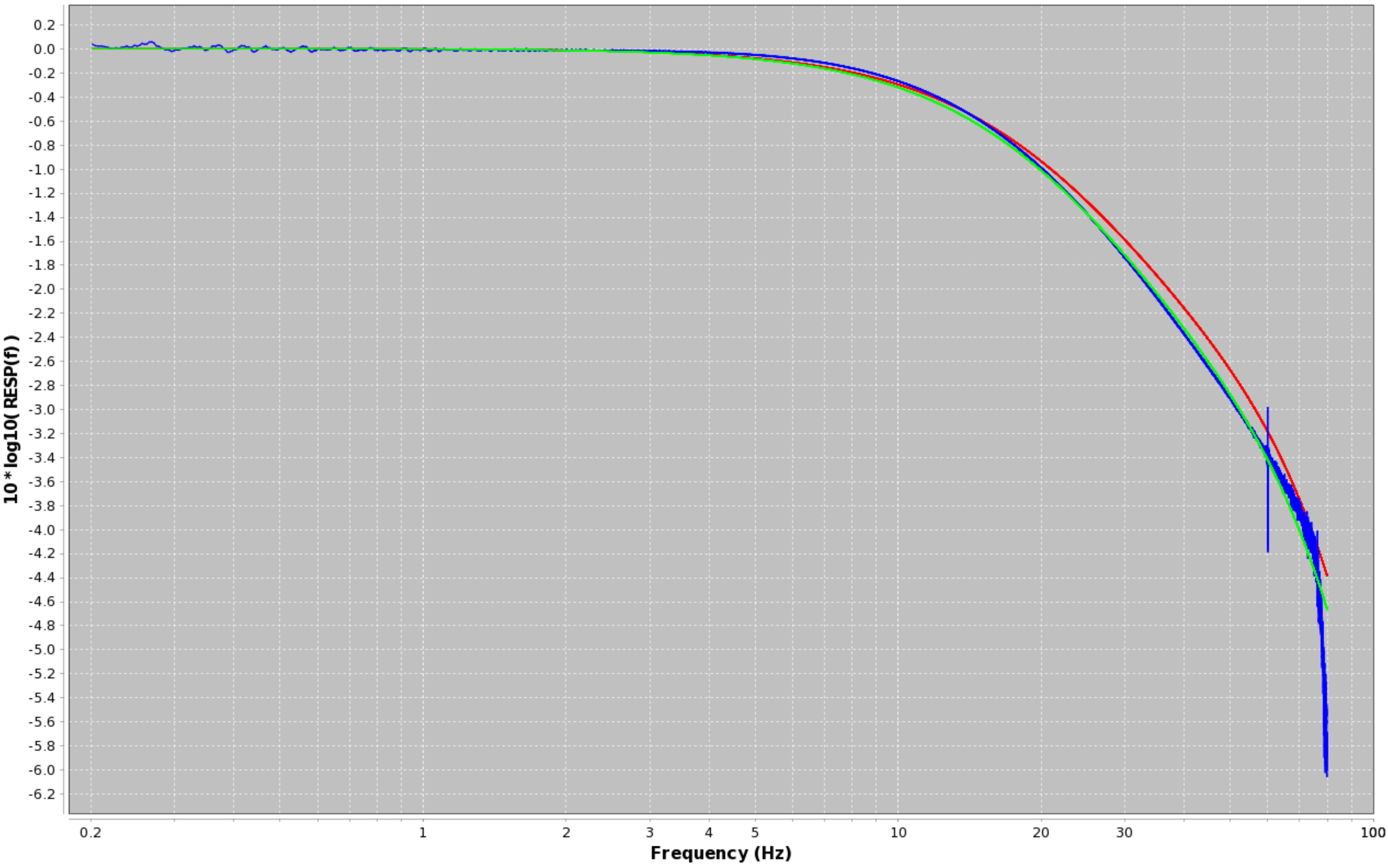
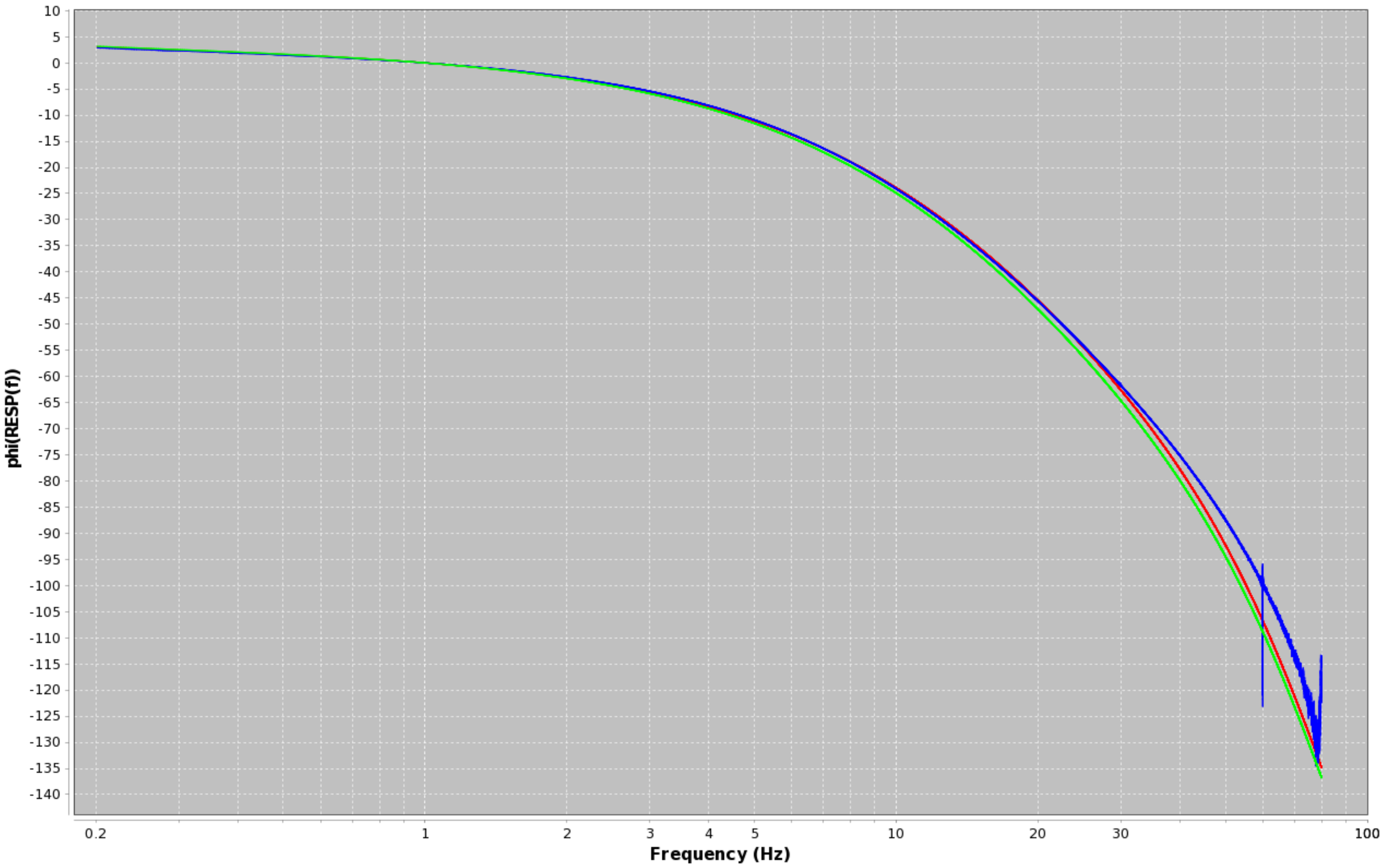
Randomized calibration (HIGH FREQ.)



Initial param (TR360_Q330HR_BH_40_nocoil) magnitude — Calc. resp. (IU_COLA_00_EHZ) magnitude — Fit resp. magnitude

Initial poles: -146.467 (0.0429 s)
Fit poles: -142.71632 (0.04403 s)
Initial zeros: -350 (0.01795 s);
Fit zeros: -371.78806 (0.0169 s);
Residuals:
Initial (nom. resp curve): 660.8357408386122
Best fit: 412.23132056799705
NUMBER OF ITERATIONS: 7

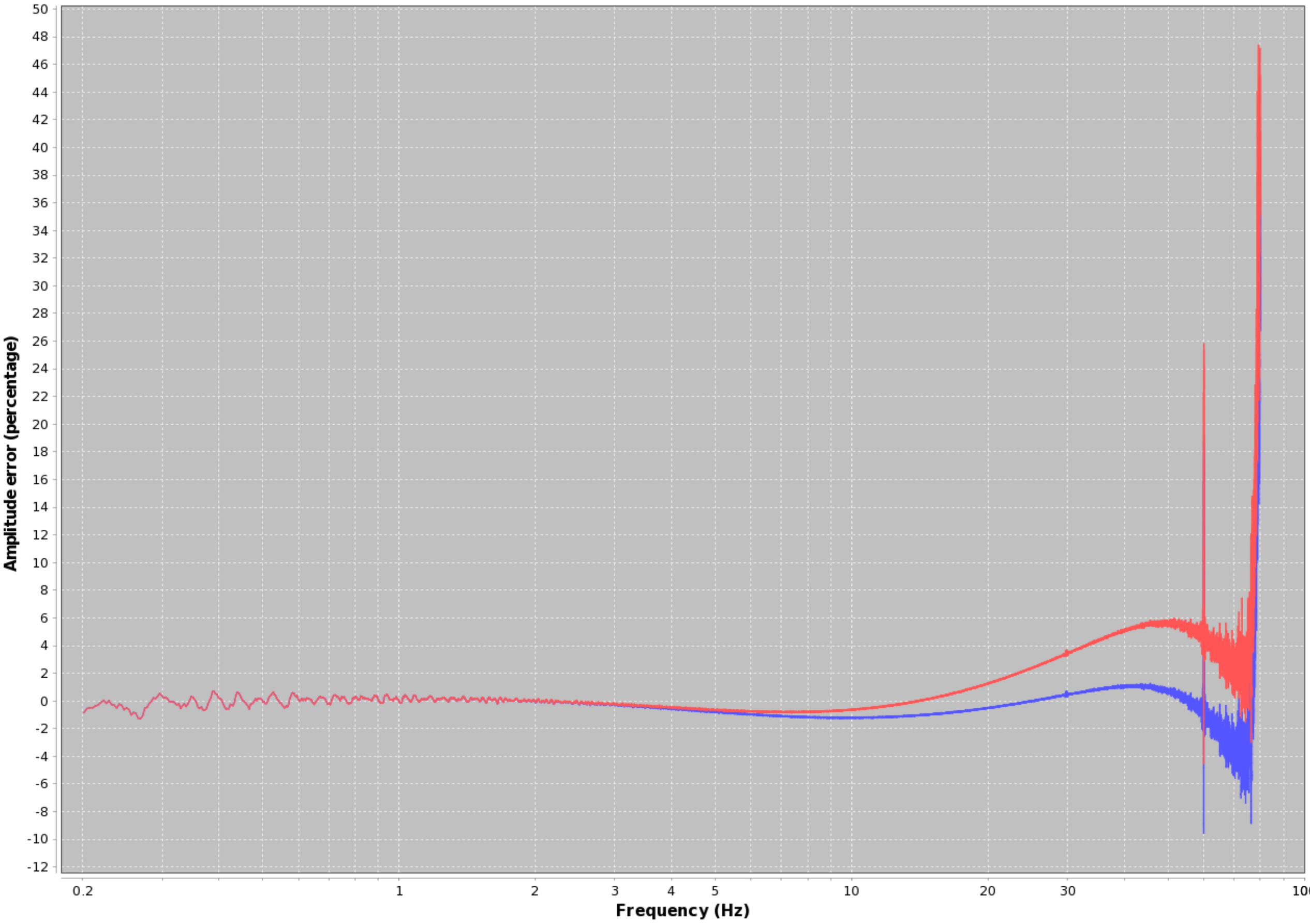
Randomized calibration (HIGH FREQ.)



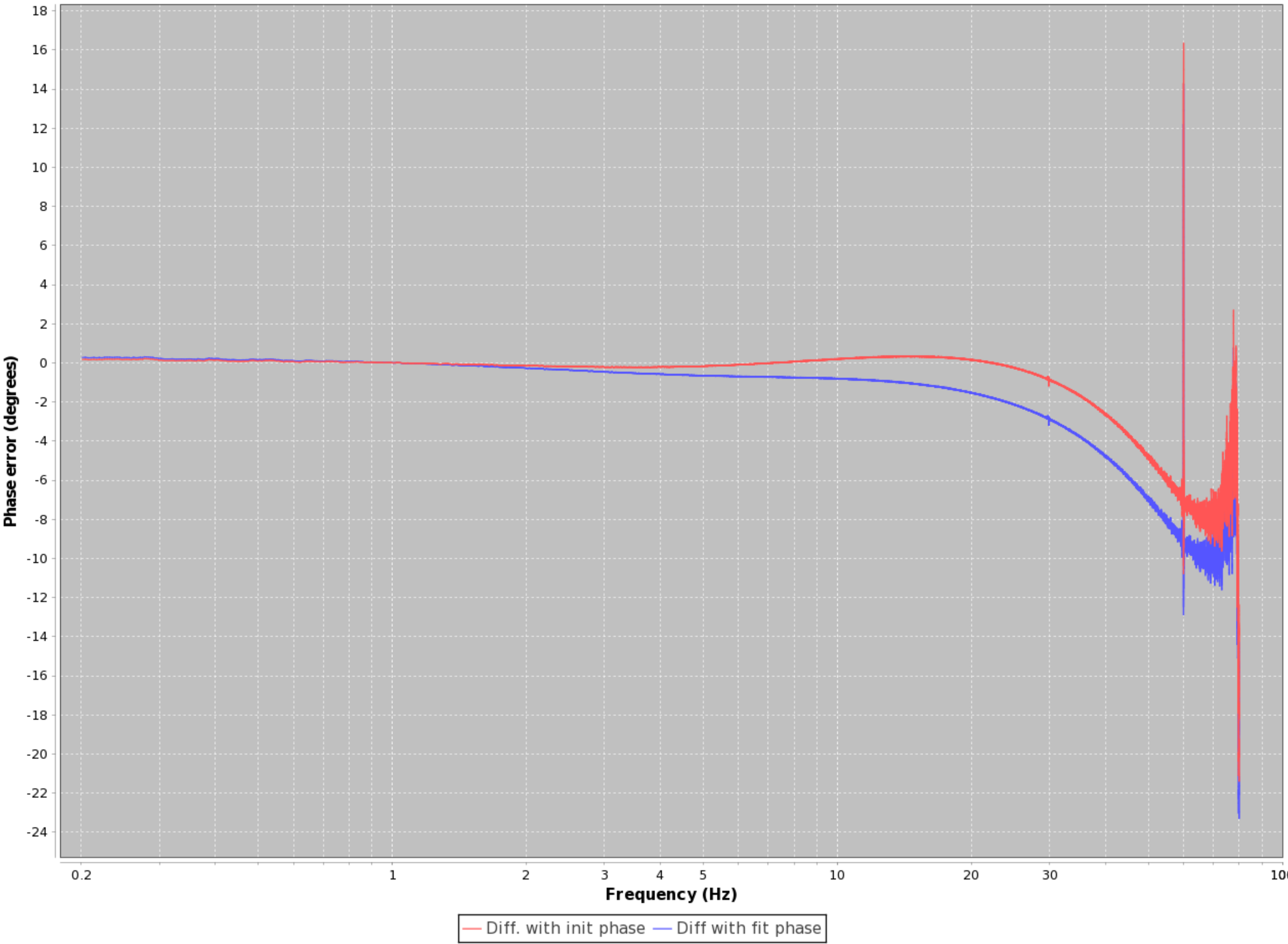
Initial param (TR360_Q330HR_BH_40_nocoil) phase — Calc. resp. (IU_COLA_00_EHZ) phase — Fit resp. phase

Initial poles: -146.467 (0.0429 s)
Fit poles: -142.71632 (0.04403 s)
Initial zeros: -350 (0.01795 s);
Fit zeros: -371.78806 (0.0169 s);
Residuals:
Initial (nom. resp curve): 660.8357408386122
Best fit: 412.23132056799705
NUMBER OF ITERATIONS: 7

Randomized calibration



Randomized calibration



Initial poles:
-146.467 (0.0429 s)
Fit poles:
-142.71632 (0.04403 s)
Initial zeros:
-350 (0.01795 s);
Fit zeros:
-371.78806 (0.0169 s);
Residuals:
Initial (nom. resp curve): 660.8357408386122
Best fit: 412.23132056799705

Iteration count from solver: 7
Input filenames, with SEED and RESP files paired as appropriate:
IU_COLA_CB_BC0
IU_COLA_00_EHZ
TR360_Q330HR_BH_40_nocoil
Residuals weighting:
    Amplitude: 16821.54372218477
    Phase: 1.0

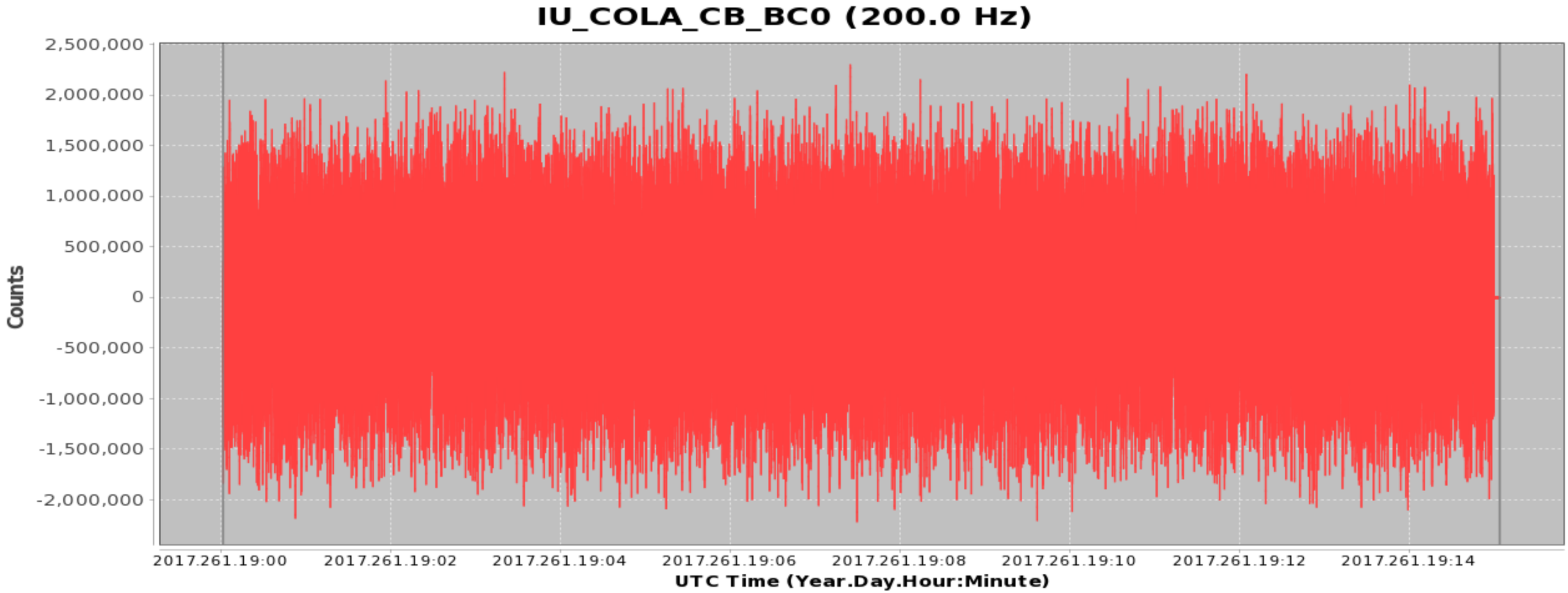
Time of report generation:
2017.268.15:21:55
Data start time:
2017.261.19:00:01
Data end time:
2017.261.19:15:04

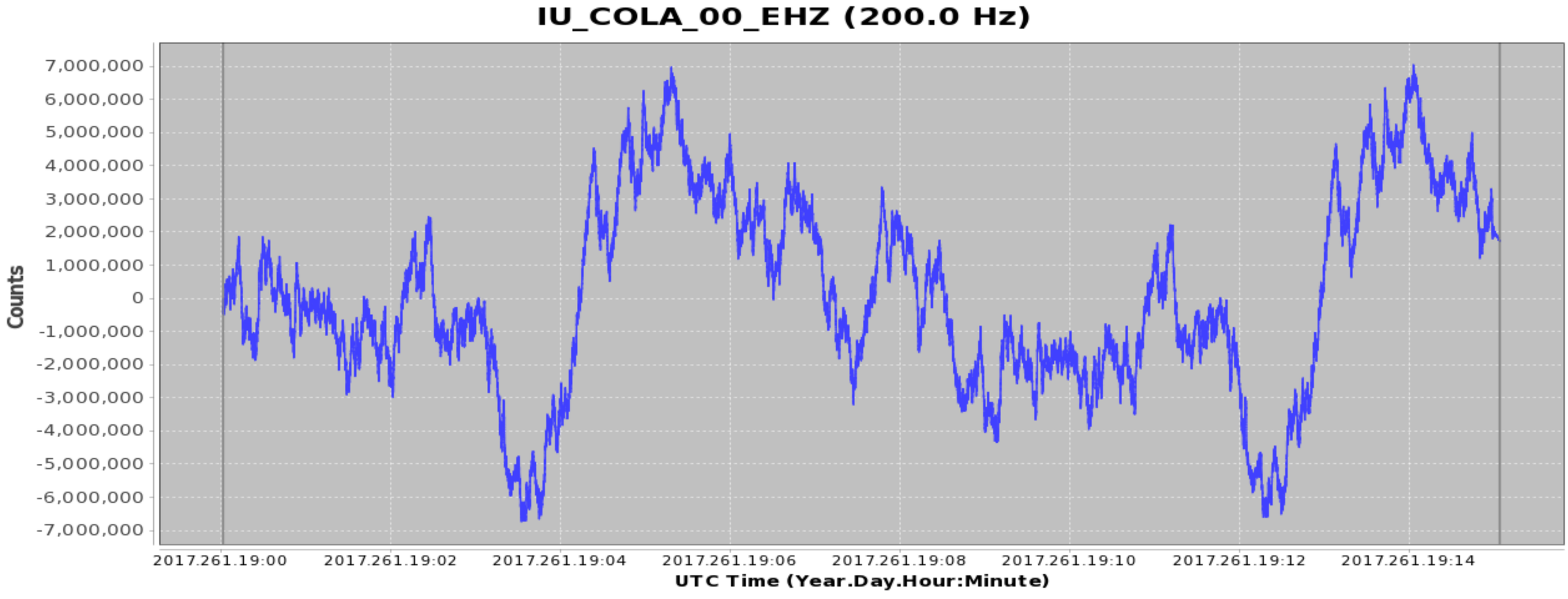
POLE VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-146.467	-142.7163	-3.7507	-144.5917	+2.6281
+0	+0	+0	+0	+0

ZERO VARIABLES, AS CSV:

Init	Fit	Diff	Mean	PctDiff
-350	-371.7881	+21.7881	-360.894	-5.8603
+0	+0	+0	+0	+0


IU_COLA_CB_BC0 (200.0 Hz)
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
-500,000
-1,000,000
-1,500,000
-2,000,000
Counts
2017.261.19:00
2017.261.19:02
2017.261.19:04
2017.261.19:06
2017.261.19:08
2017.261.19:10
2017.261.19:12
2017.261.19:14
UTC Time (Year.Day.Hour:Minute)


IU_COLA_00_EHZ (200.0 Hz)
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
-1,000,000
-2,000,000
-3,000,000
-4,000,000
-5,000,000
-6,000,000
-7,000,000
Counts
2017.261.19:00
2017.261.19:02
2017.261.19:04
2017.261.19:06
2017.261.19:08
2017.261.19:10
2017.261.19:12
2017.261.19:14
UTC Time (Year.Day.Hour:Minute)

Response name: TR360_Q330HR_BH_40_nocoil
Gain stage values:
0: 2,013,265,200
1: 1,200
2: 1,677,721
Normalization: 4.22360752854E23
Normalization frequency (Hz): 0.02
Transfer function is LAPLACIAN
Response input units: velocity (m/s)
Response zeros:
0: 0
1: 0
2: -350
Response poles:
0: -0.0119 - 0.0119i
1: -0.0119 + 0.0119i
2: -146.467
3: -360 - 405i
4: -360 + 405i
5: -1,234.28
6: -4,900 - 5,200i
7: -4,900 + 5,200i
8: -7,200 - 1,700i
9: -7,200 + 1,700i