Calibration data for probe number 2 (Copper-05-28)
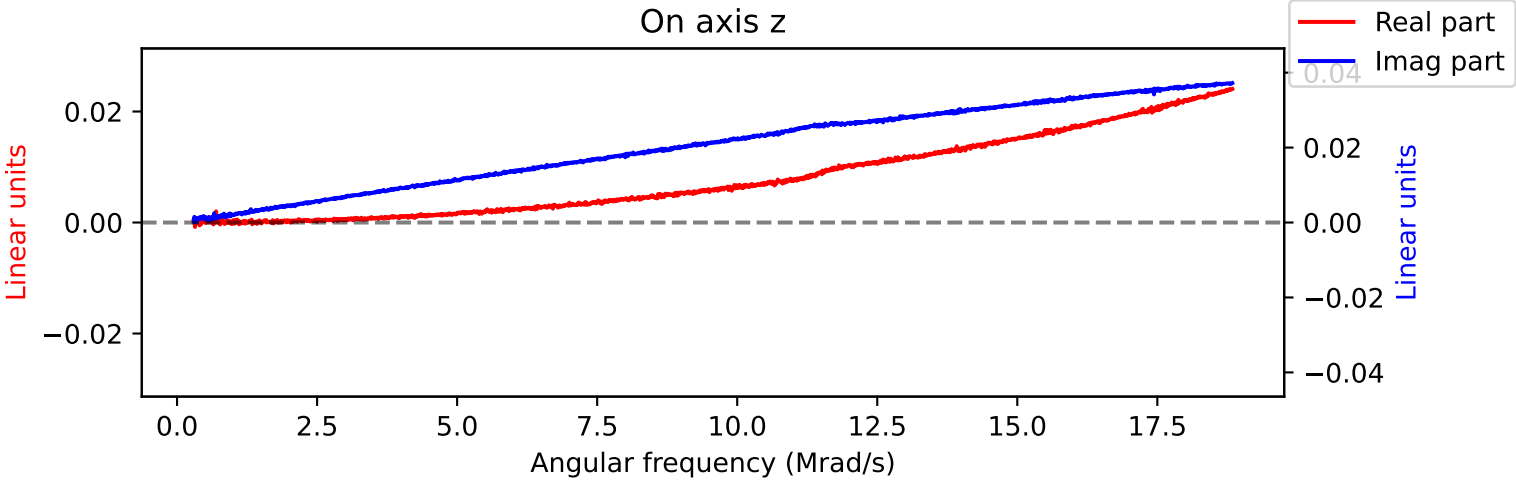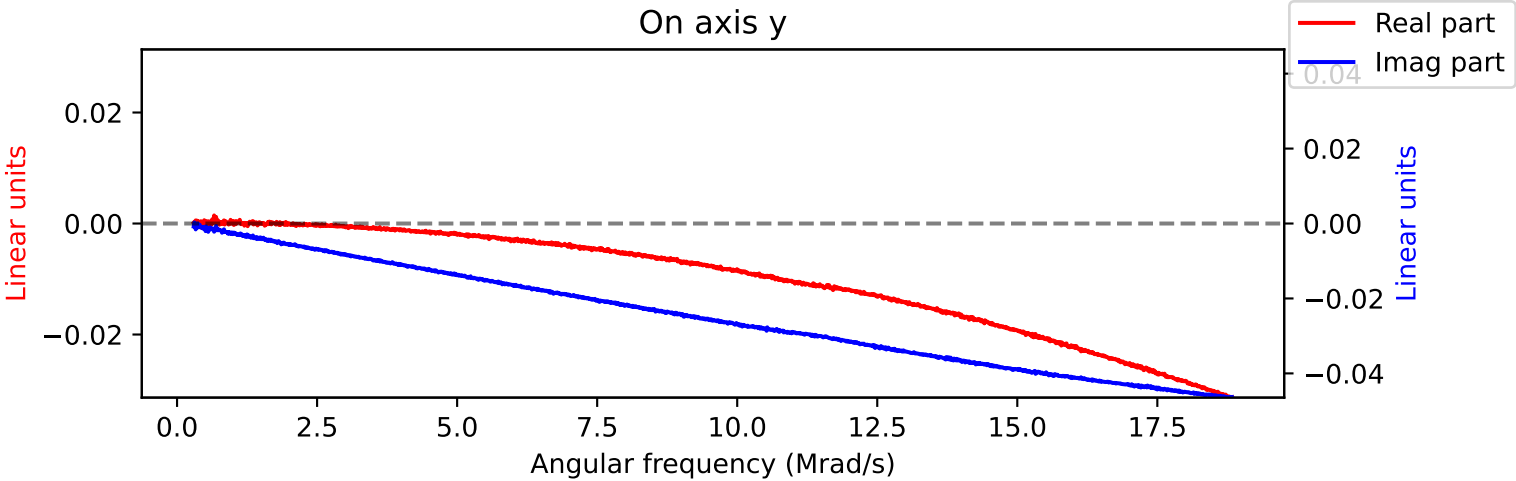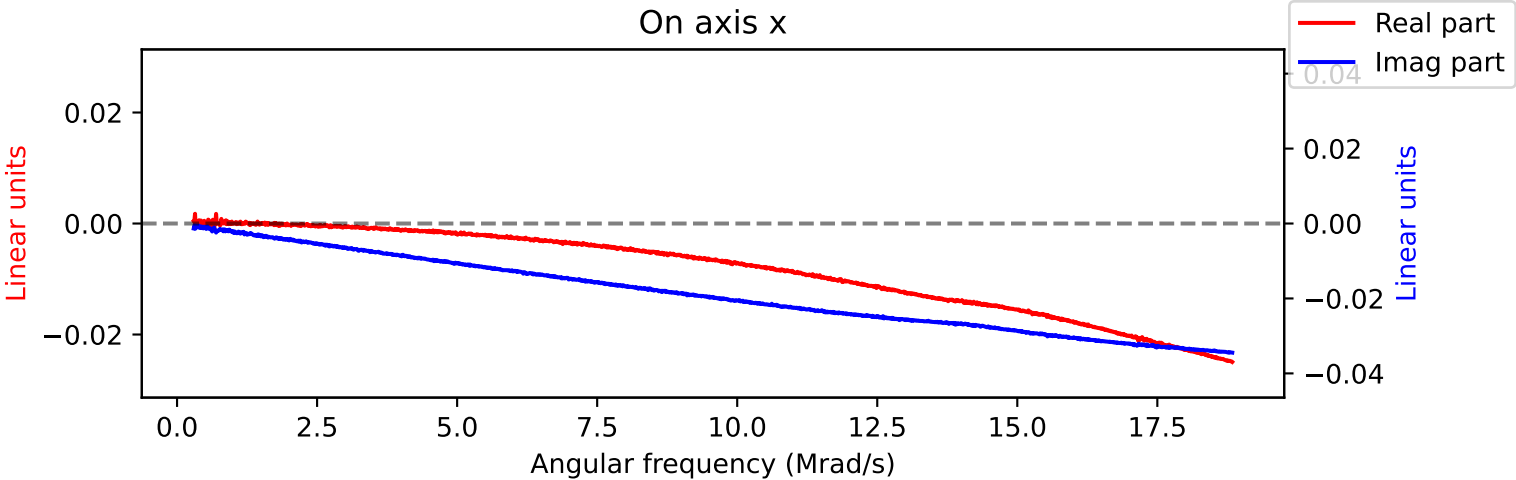Calibrated on 11:01:07 06/02/25 PDT

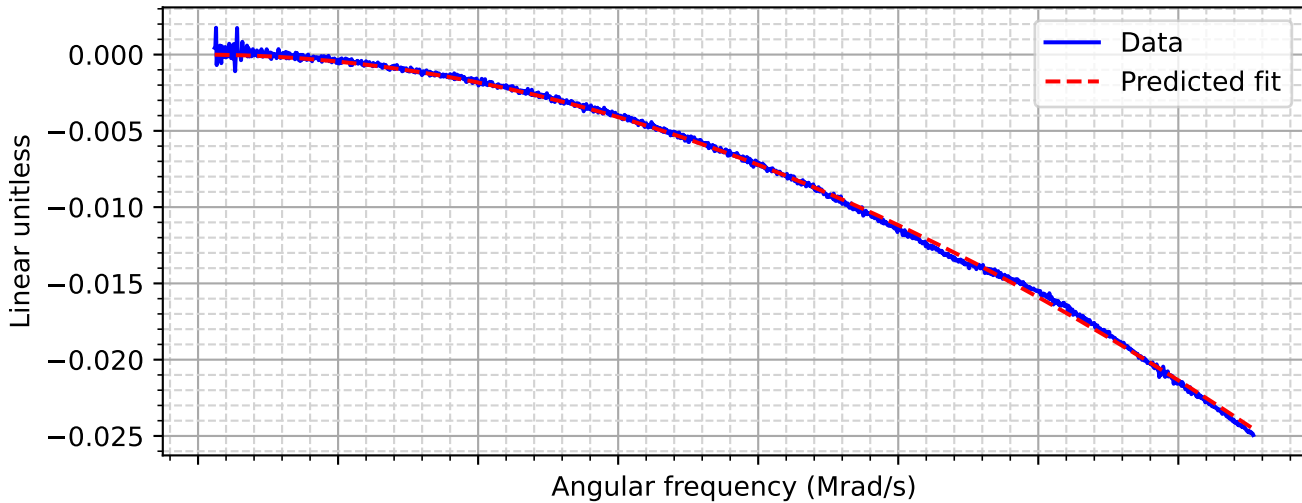## Fit results for probe on x axis
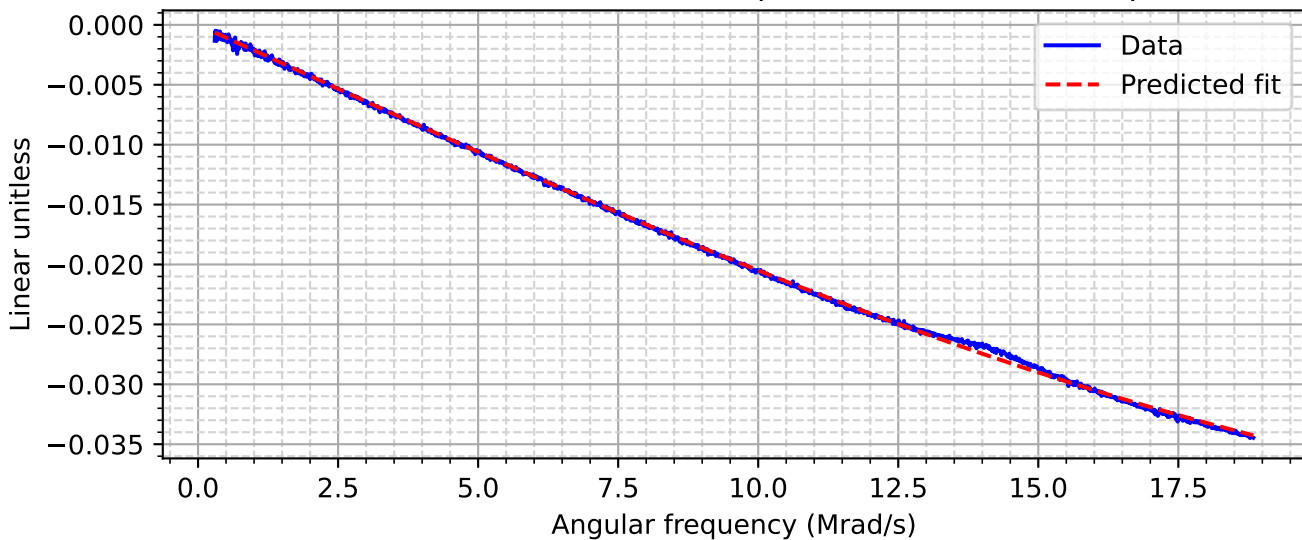
```
[[Fit Statistics]]
    # fitting method   = leastsq
    # function evals   = 228
    # data points      = 9480
    # variables        = 5
    chi-square         = 0.00170621
    reduced chi-square = 1.8007e-07
    Akaike info crit   = -147218.382
    Bayesian info crit = -147182.597
[[Variables]]
    a_0:   -1.3968e-06 +/- 1.5783e-09 (0.11%) (init = 1e-06)
    a_1:    2.7982e-07 +/- 6.8263e-10 (0.24%) (init = 1e-06)
    a_2:   -1.8800e-07 +/- 6.4771e-10 (0.34%) (init = 1e-06)
    tau:   -2.0872e-08 +/- 1.5726e-10 (0.75%) (init = 1e-08)
    tau_s:  1.3376e-08 +/- 1.4880e-10 (1.11%) (init = 1e-08)
[[Correlations]] (unreported correlations are < 0.100)
    C(tau, tau_s) = +0.9787
    C(a_0, tau)   = -0.9173
    C(a_0, tau_s) = -0.9130
    C(a_1, tau)   = +0.4249
    C(a_1, tau_s) = +0.4229
    C(a_0, a_1)   = -0.3923
    C(a_2, tau)   = -0.3008
    C(a_2, tau_s) = -0.2994
    C(a_0, a_2)   = +0.2778
    C(a_1, a_2)   = -0.1287
```

Data v. Predicted Fit for Re Component of on axis for x probe

Data v. Predicted Fit for Im Component of on axis for x probe
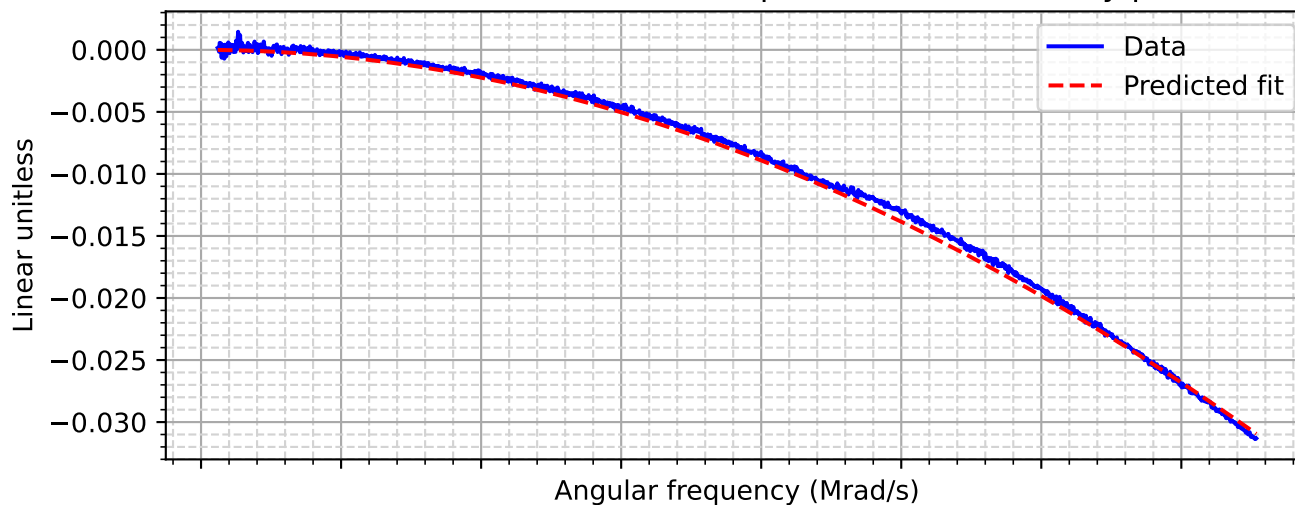
Fit results for probe on y axis
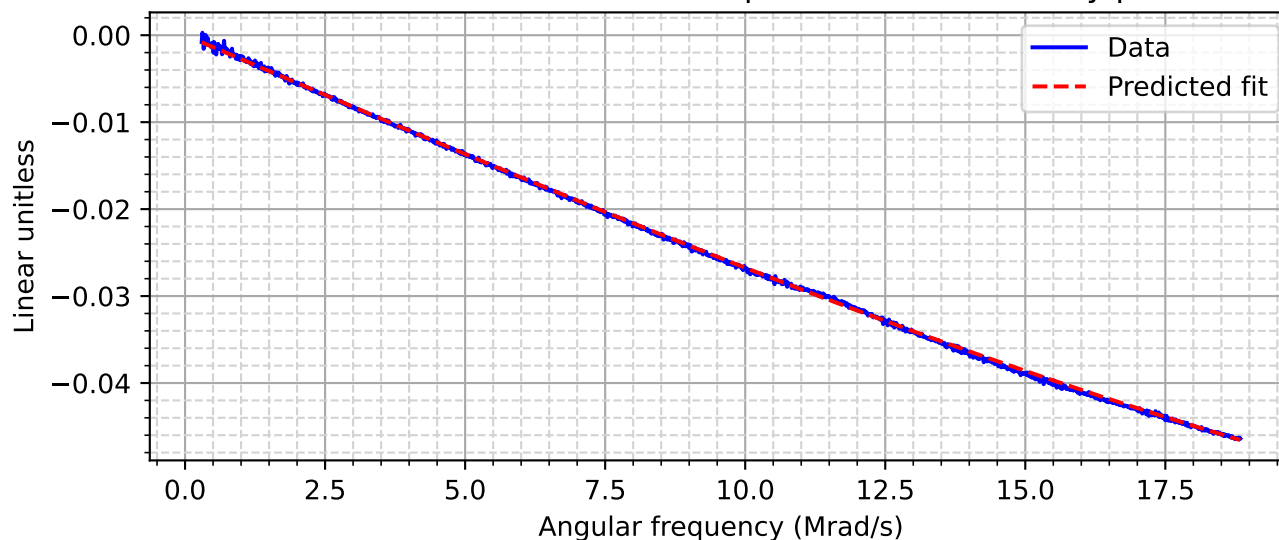
```
[[Fit Statistics]]
    # fitting method   = leastsq
    # function evals   = 243
    # data points      = 9480
    # variables        = 5
    chi-square         = 0.00259703
    reduced chi-square = 2.7409e-07
    Akaike info crit   = -143235.906
    Bayesian info crit = -143200.121
[[Variables]]
    a_0:  -4.4145e-07 +/- 8.6462e-10 (0.20%) (init = 1e-06)
    a_1:  -1.7938e-06 +/- 1.9232e-09 (0.11%) (init = 1e-06)
    a_2:   7.5163e-08 +/- 7.5022e-10 (1.00%) (init = 1e-06)
    tau:  -2.3347e-08 +/- 1.5960e-10 (0.68%) (init = 1e-08)
    tau_s: 9.2348e-09 +/- 1.4449e-10 (1.56%) (init = 1e-08)
[[Correlations]] (unreported correlations are < 0.100)
    C(tau, tau_s) = +0.9811
    C(a_1, tau)   = -0.9202
    C(a_1, tau_s) = -0.9126
    C(a_0, tau)   = -0.5037
    C(a_0, tau_s) = -0.4996
    C(a_0, a_1)   = +0.4649
```

Data v. Predicted Fit for Re Component of on axis for y probe

Data v. Predicted Fit for Im Component of on axis for y probe
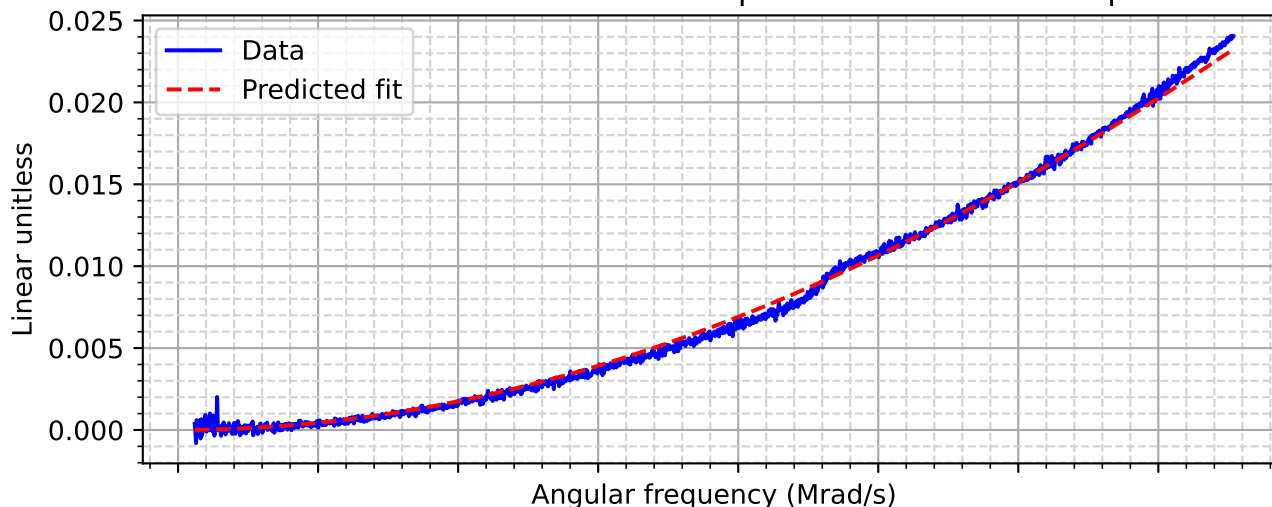
Fit results for probe on z axis

```
[[Fit Statistics]]
    # fitting method   = leastsq
    # function evals   = 235
    # data points      = 9480
    # variables        = 5
    chi-square         = 8.8361e-04
    reduced chi-square = 9.3257e-08
    Akaike info crit   = -153456.351
    Bayesian info crit = -153420.567
[[Variables]]
    a_0:   2.3515e-07 +/- 4.8153e-10 (0.20%) (init = 1e-06)
    a_1:   4.3381e-07 +/- 5.4085e-10 (0.12%) (init = 1e-06)
    a_2:   1.5148e-06 +/- 1.1197e-09 (0.07%) (init = 1e-06)
    tau:  -1.5598e-08 +/- 1.1152e-10 (0.71%) (init = 1e-08)
    tau_s: 1.4673e-08 +/- 1.1084e-10 (0.76%) (init = 1e-08)
[[Correlations]] (unreported correlations are < 0.100)
    C(tau, tau_s) = +0.9827
    C(a_2, tau)   = +0.9102
    C(a_2, tau_s) = +0.9097
    C(a_1, tau)   = +0.5396
    C(a_1, tau_s) = +0.5393
    C(a_1, a_2)   = +0.4952
    C(a_0, tau)   = +0.3285
    C(a_0, tau_s) = +0.3284
    C(a_0, a_2)   = +0.3015
    C(a_0, a_1)   = +0.1787
```


Data v. Predicted Fit for Re Component of on axis for z probe

Data v. Predicted Fit for Im Component of on axis for z probe