Calibration data for probe number 2 (Shaved-05-28)
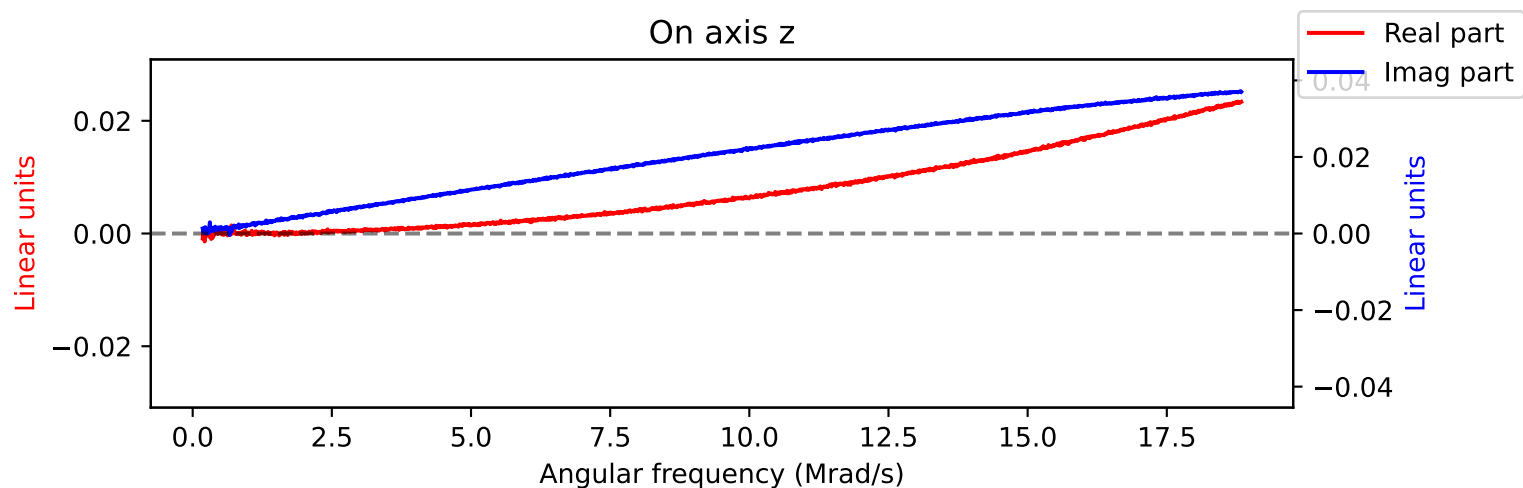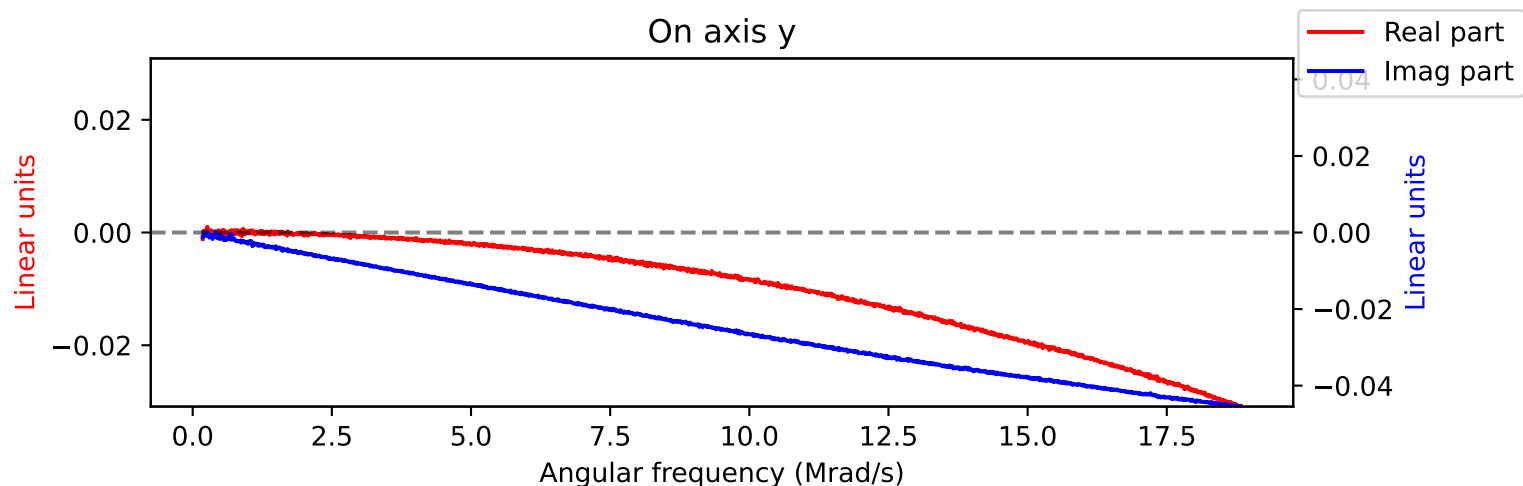## Calibrated on 16:01:21 05/29/25 PDT

On axis x

On axis y
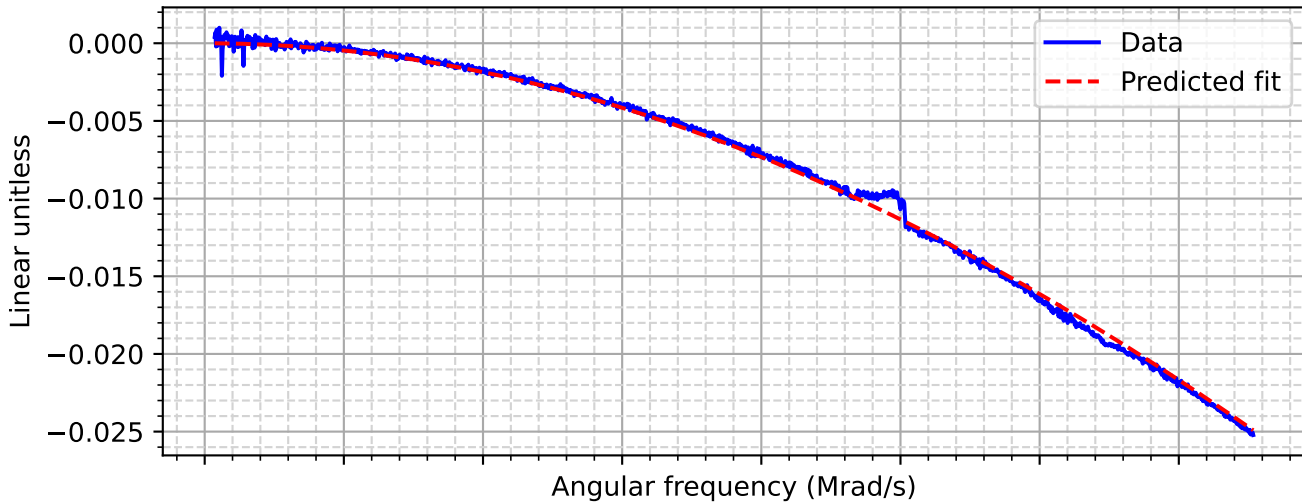
On axis z
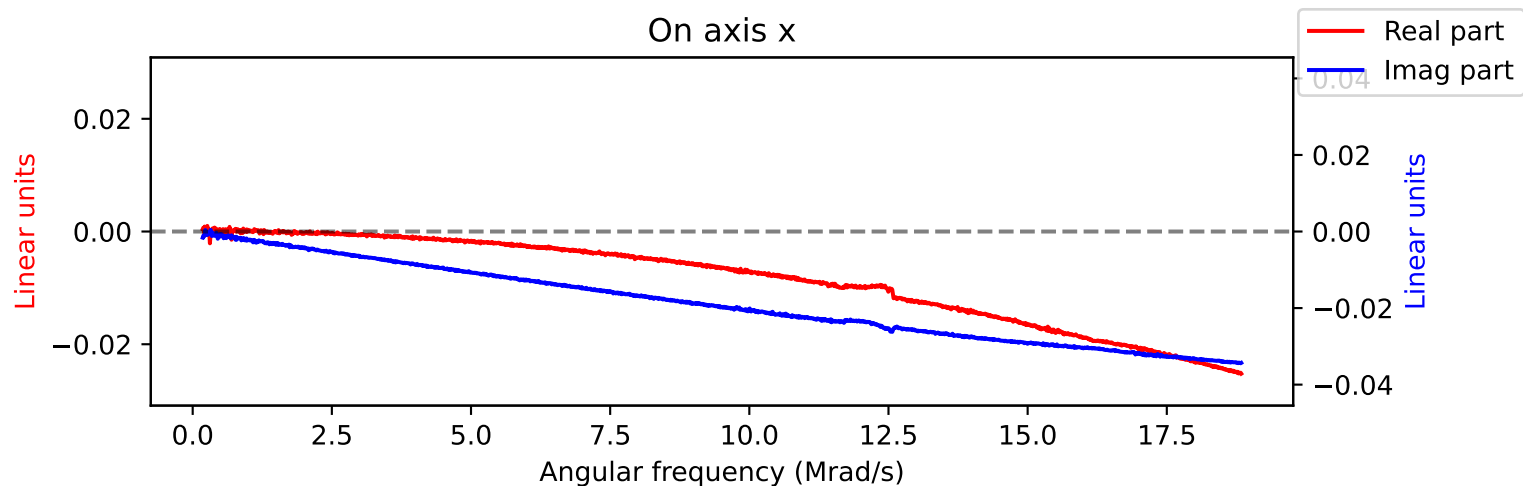
Fit results for probe on x axis
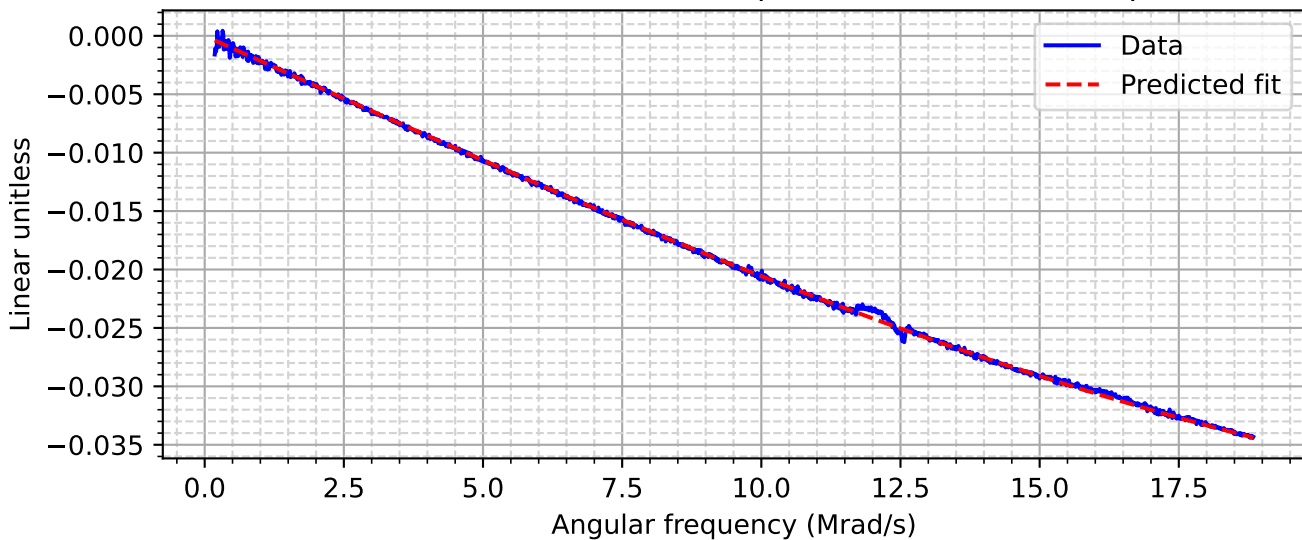
```
[[Fit Statistics]]
    # fitting method   = leastsq
    # function evals   = 224
    # data points      = 9540
    # variables        = 5
    chi-square         = 0.00102307
    reduced chi-square = 1.0730e-07
    Akaike info crit   = -153089.775
    Bayesian info crit = -153053.959
[[Variables]]
    a_0:   -1.4013e-06 +/- 1.2207e-09 (0.09%) (init = 1e-06)
    a_1:    2.7293e-07 +/- 5.2337e-10 (0.19%) (init = 1e-06)
    a_2:   -1.6500e-07 +/- 4.9344e-10 (0.30%) (init = 1e-06)
    tau:   -2.1423e-08 +/- 1.2059e-10 (0.56%) (init = 1e-08)
    tau_s:  1.3187e-08 +/- 1.1342e-10 (0.86%) (init = 1e-08)
[[Correlations]] (unreported correlations are < 0.100)
    C(tau, tau_s)  = +0.9784
    C(a_0, tau)    = -0.9182
    C(a_0, tau_s)  = -0.9134
    C(a_1, tau)    = +0.4171
    C(a_1, tau_s)  = +0.4150
    C(a_0, a_1)    = -0.3854
    C(a_2, tau)    = -0.2675
    C(a_2, tau_s)  = -0.2661
    C(a_0, a_2)    = +0.2471
    C(a_1, a_2)    = -0.1123
```

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
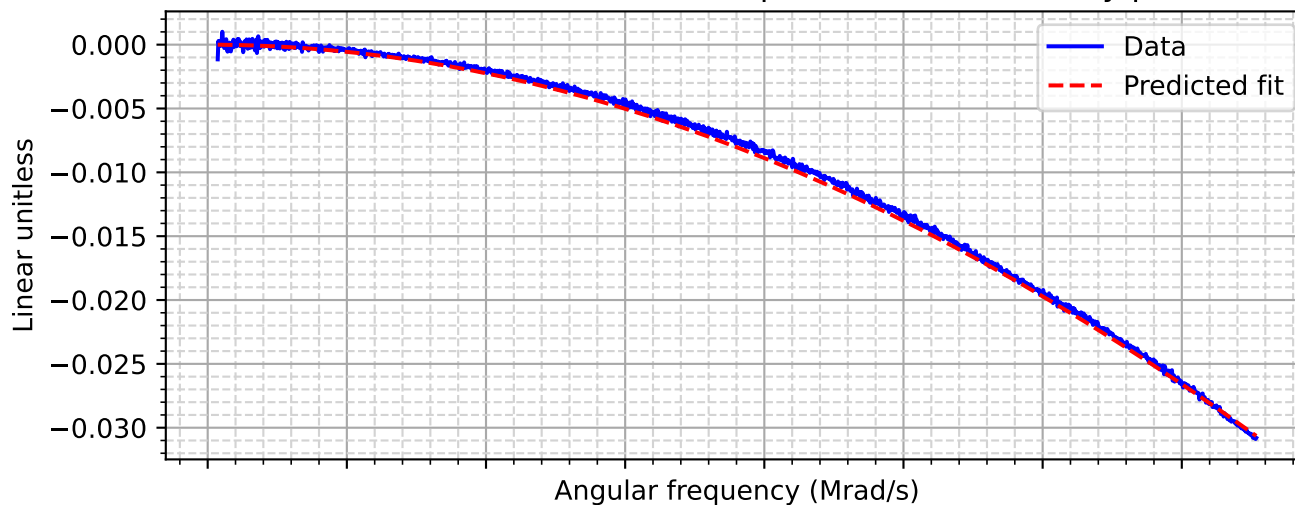
Fit results for probe on y axis
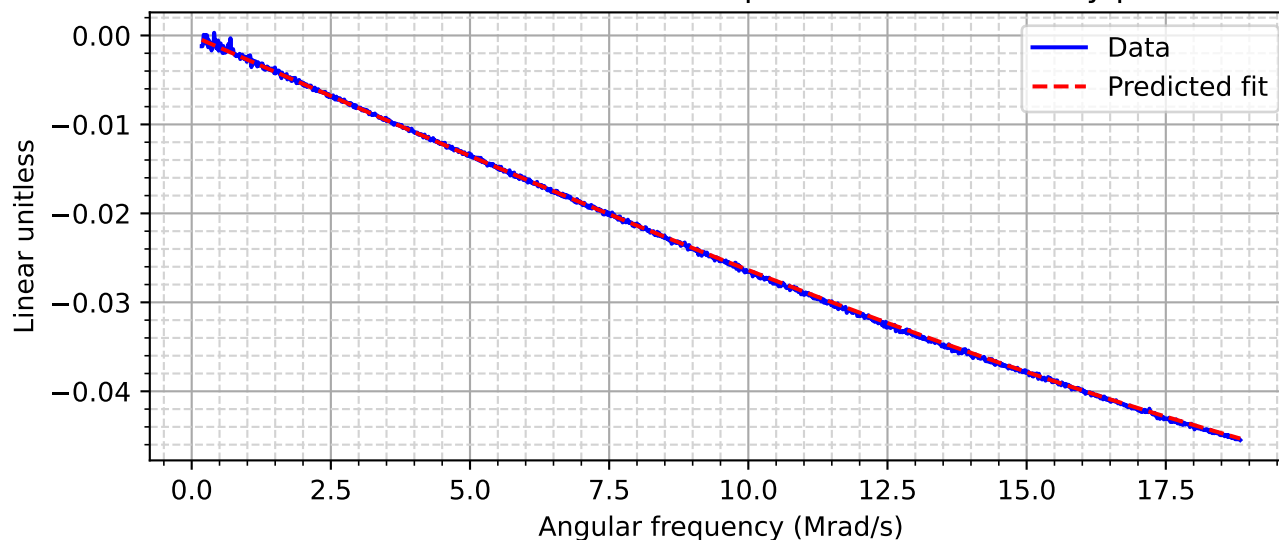
```
[[Fit Statistics]]
    # fitting method   = leastsq
    # function evals   = 263
    # data points      = 9540
    # variables        = 5
    chi-square         = 0.00285501
    reduced chi-square = 2.9942e-07
    Akaike info crit   = -143299.204
    Bayesian info crit = -143263.387
[[Variables]]
    a_0:   -4.3217e-07 +/- 9.0660e-10 (0.21%) (init = 1e-06)
    a_1:   -1.7779e-06 +/- 2.0145e-09 (0.11%) (init = 1e-06)
    a_2:    1.3963e-07 +/- 7.9995e-10 (0.57%) (init = 1e-06)
    tau:   -2.2197e-08 +/- 1.6557e-10 (0.75%) (init = 1e-08)
    tau_s:  1.0682e-08 +/- 1.5253e-10 (1.43%) (init = 1e-08)
[[Correlations]] (unreported correlations are < 0.100)
    C(tau, tau_s) = +0.9805
    C(a_1, tau)   = -0.9187
    C(a_1, tau_s) = -0.9125
    C(a_0, tau)   = -0.4962
    C(a_0, tau_s) = -0.4928
    C(a_0, a_1)   = +0.4578
    C(a_2, tau)   = +0.1817
    C(a_2, tau_s) = +0.1805
    C(a_1, a_2)   = -0.1676
```

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
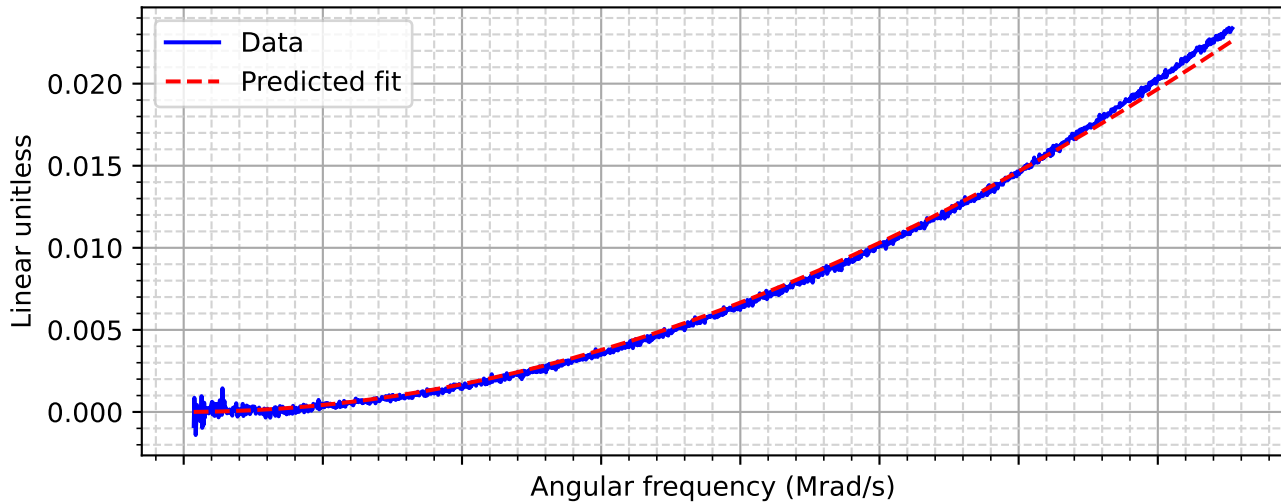
Fit results for probe on z axis

```
[[Fit Statistics]]
    # fitting method   = leastsq
    # function evals   = 263
    # data points      = 9540
    # variables        = 5
    chi-square         = 0.00285501
    reduced chi-square = 2.9942e-07
    Akaike info crit   = -143299.204
    Bayesian info crit = -143263.387
[[Variables]]
    a_0:  -4.3217e-07 +/- 9.0660e-10 (0.21%) (init = 1e-06)
    a_1:  -1.7779e-06 +/- 2.0145e-09 (0.11%) (init = 1e-06)
    a_2:   1.3963e-07 +/- 7.9995e-10 (0.57%) (init = 1e-06)
    tau:  -2.2197e-08 +/- 1.6557e-10 (0.75%) (init = 1e-08)
    tau_s: 1.0682e-08 +/- 1.5253e-10 (1.43%) (init = 1e-08)
[[Correlations]] (unreported correlations are < 0.100)
    C(tau, tau_s) = +0.9805
    C(a_1, tau)   = -0.9187
    C(a_1, tau_s) = -0.9125
    C(a_0, tau)   = -0.4962
    C(a_0, tau_s) = -0.4928
    C(a_0, a_1)   = +0.4578
    C(a_2, tau)   = +0.1817
    C(a_2, tau_s) = +0.1805
    C(a_1, a_2)   = -0.1676
```

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