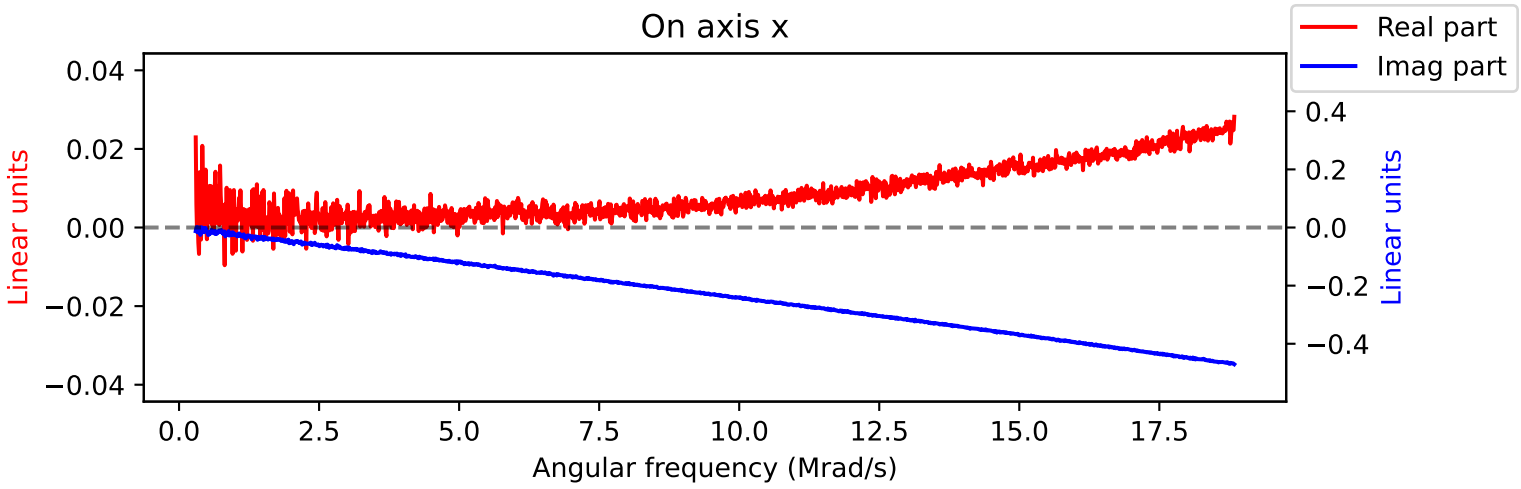
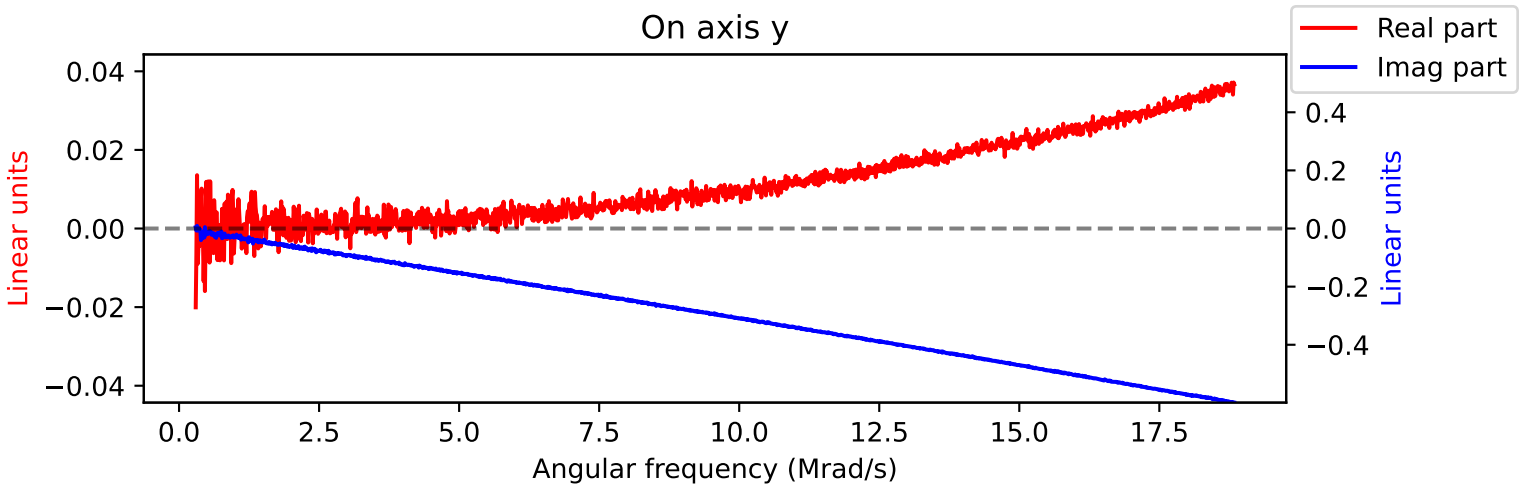
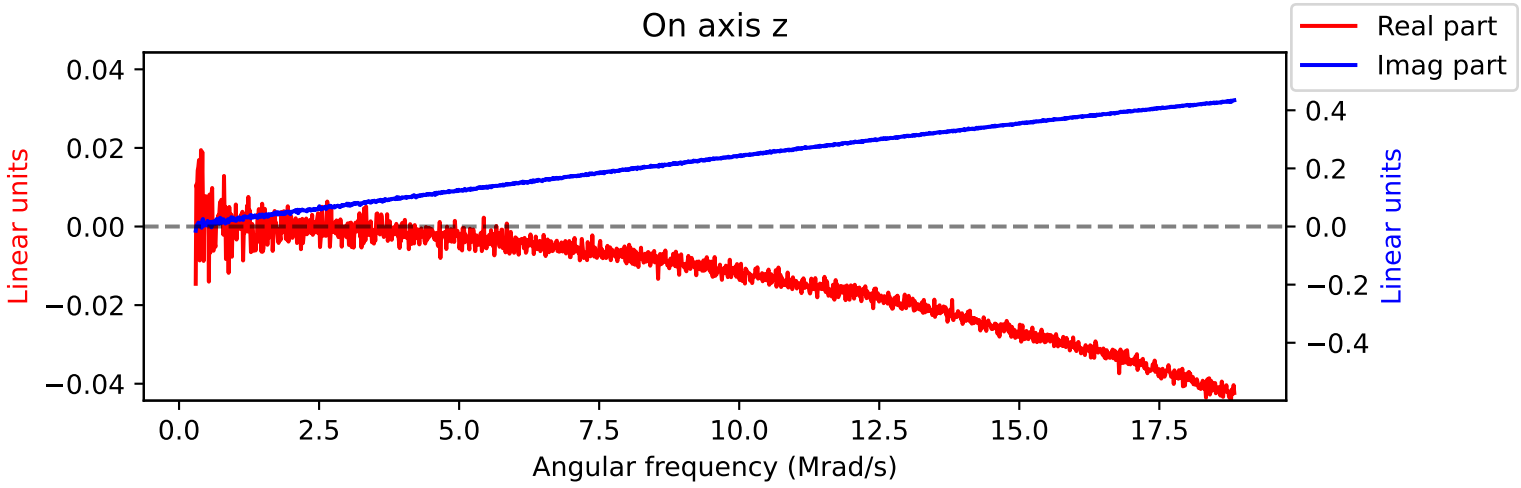
# Calibration data for probe number 2 (05-21)

Calibrated on 11:01:32 06/02/25 PDT

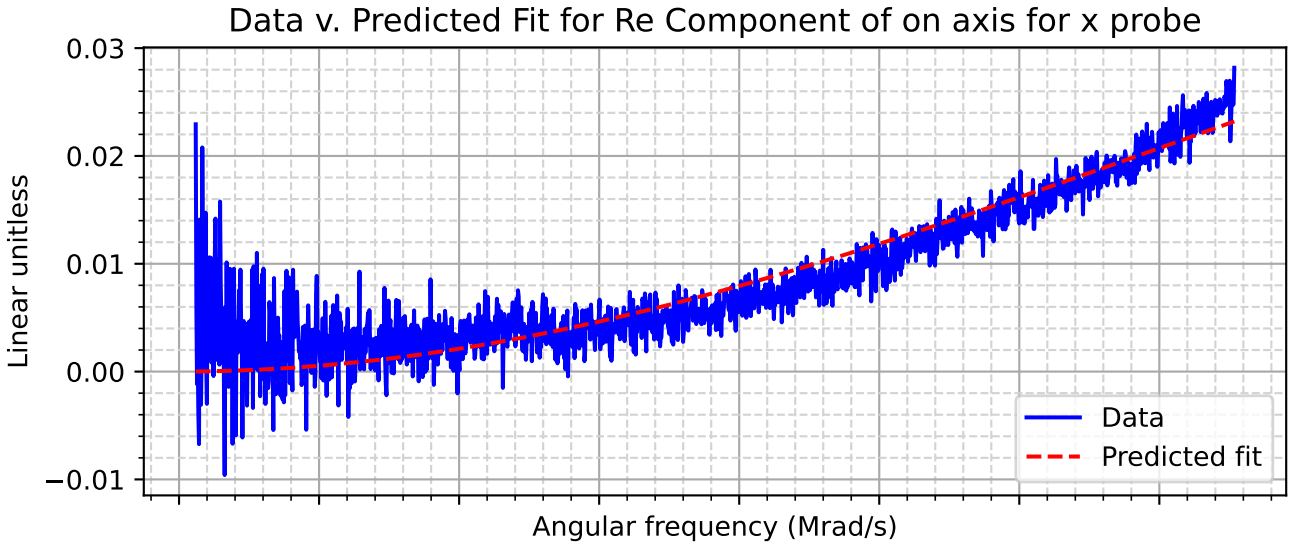


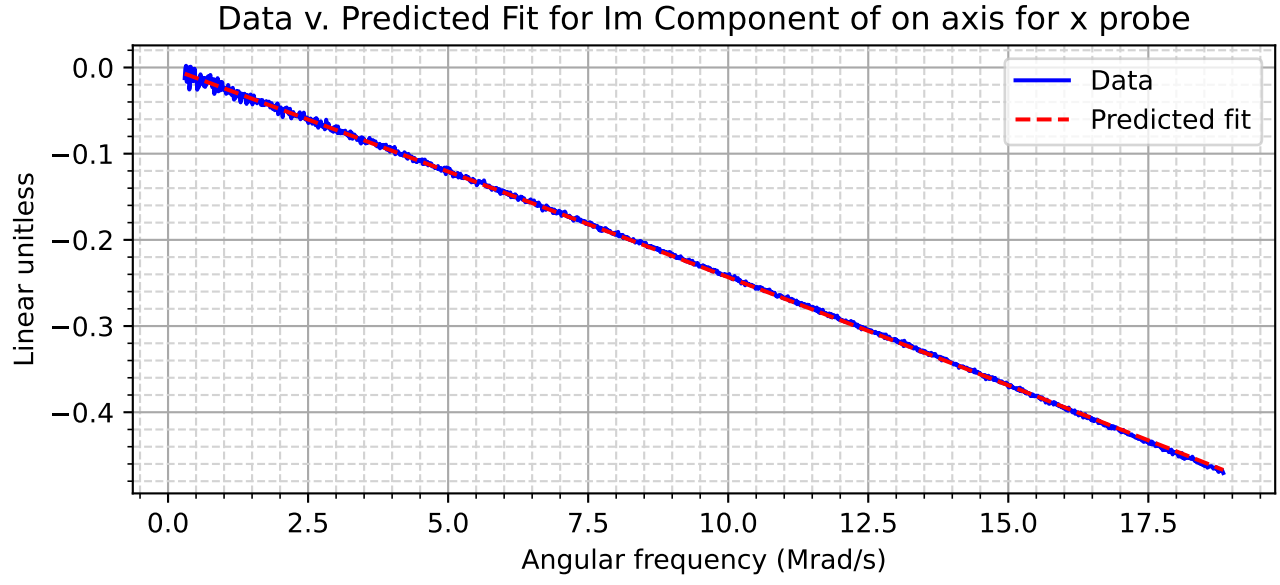



## Fit results for probe on x axis

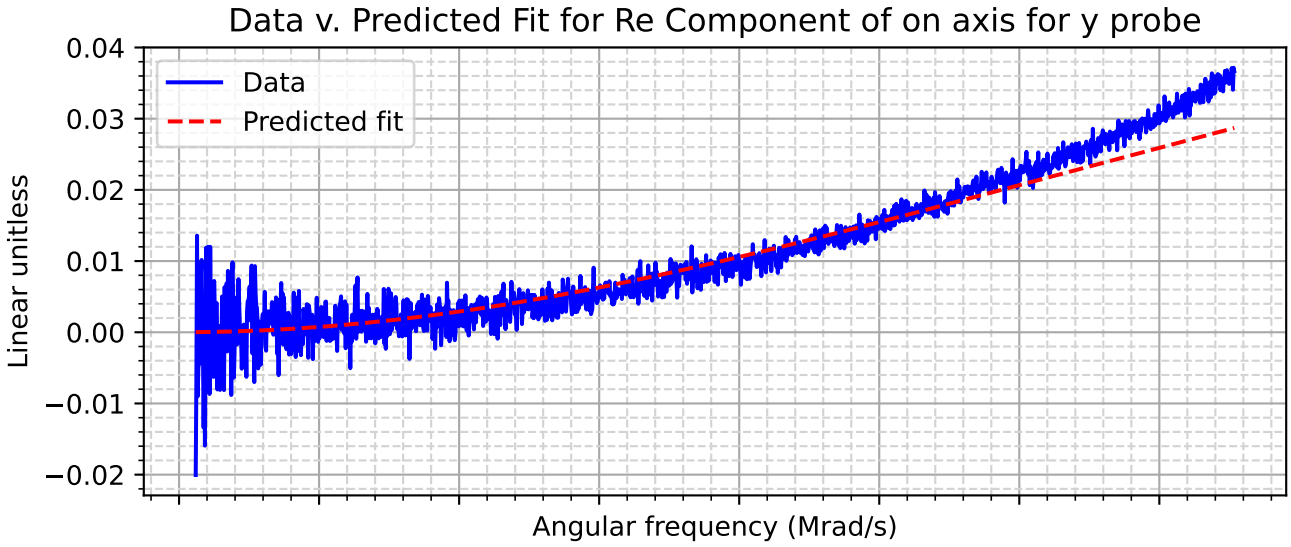
```
[[Fit Statistics]]
    # fitting method   = leastsq
    # function evals   = 479
    # data points      = 9480
    # variables        = 5
    chi-square         = 0.17834565
    reduced chi-square = 1.8823e-05
    Akaike info crit   = -103141.608
    Bayesian info crit = -103105.823
[[Variables]]
    a_0:   -1.5671e-05 +/- 1.7462e-08 (0.11%) (init = 1e-06)
    a_1:    2.6893e-06 +/- 6.9369e-09 (0.26%) (init = 1e-06)
    a_2:   -2.3126e-06 +/- 6.7890e-09 (0.29%) (init = 1e-06)
    tau:    3.3893e-08 +/- 1.7549e-09 (5.18%) (init = 1e-08)
    tau_s:  3.0295e-08 +/- 1.6833e-09 (5.56%) (init = 1e-08)
[[Correlations]] (unreported correlations are < 0.100)
    C(tau, tau_s) = +0.9998
    C(a_0, tau)   = +0.9186
    C(a_0, tau_s) = +0.9154
    C(a_1, tau)   = -0.3968
    C(a_1, tau_s) = -0.3954
    C(a_0, a_1)   = -0.3749
    C(a_2, tau)   = +0.3487
    C(a_2, tau_s) = +0.3475
    C(a_0, a_2)   = +0.3294
    C(a_1, a_2)   = -0.1423
```

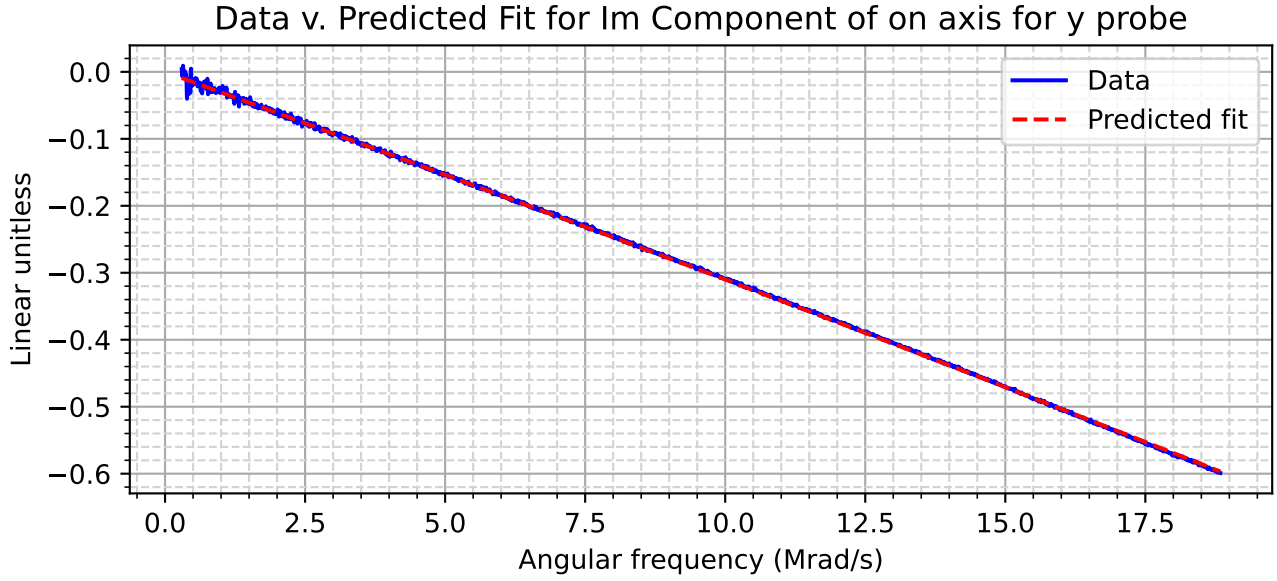


## Fit results for probe on y axis

```
[[Fit Statistics]]
    # fitting method   = leastsq
    # function evals   = 482
    # data points      = 9480
    # variables        = 5
    chi-square         = 0.18400100
    reduced chi-square = 1.9420e-05
    Akaike info crit   = -102845.665
    Bayesian info crit = -102809.880
[[Variables]]
    a_0:   -5.2642e-06 +/- 7.8658e-09 (0.15%) (init = 1e-06)
    a_1:   -1.9916e-05 +/- 1.8336e-08 (0.09%) (init = 1e-06)
    a_2:   -1.1194e-07 +/- 6.4244e-09 (5.74%) (init = 1e-06)
    tau:    4.0951e-08 +/- 1.4751e-09 (3.60%) (init = 1e-08)
    tau_s:  3.7025e-08 +/- 1.4034e-09 (3.79%) (init = 1e-08)
[[Correlations]] (unreported correlations are < 0.100)
    C(tau, tau_s) = +0.9998
    C(a_1, tau)   = +0.9193
    C(a_1, tau_s) = +0.9155
    C(a_0, tau)   = +0.5664
    C(a_0, tau_s) = +0.5641
    C(a_0, a_1)   = +0.5405
```



## Fit results for probe on z axis

```
[[Fit Statistics]]
    # fitting method   = leastsq
    # function evals   = 520
    # data points      = 9480
    # variables        = 5
    chi-square         = 0.18843200
    reduced chi-square = 1.9887e-05
    Akaike info crit   = -102620.079
    Bayesian info crit = -102584.294
[[Variables]]
    a_0:    1.9327e-06 +/- 7.2280e-09 (0.37%) (init = 1e-06)
    a_1:    3.9196e-06 +/- 8.0940e-09 (0.21%) (init = 1e-06)
    a_2:    1.6102e-05 +/- 1.8543e-08 (0.12%) (init = 1e-06)
    tau:   -2.9868e-08 +/- 8.8276e-10 (2.96%) (init = 1e-08)
    tau_s: -3.7046e-08 +/- 9.5976e-10 (2.59%) (init = 1e-08)
[[Correlations]] (unreported correlations are < 0.100)
    C(tau, tau_s) = +0.9992
    C(a_2, tau_s) = -0.9148
    C(a_2, tau)   = -0.9081
    C(a_1, tau_s) = -0.5102
    C(a_1, tau)   = -0.5064
    C(a_1, a_2)   = +0.4799
    C(a_0, tau_s) = -0.2817
    C(a_0, tau)   = -0.2796
    C(a_0, a_2)   = +0.2650
    C(a_0, a_1)   = +0.1478
```