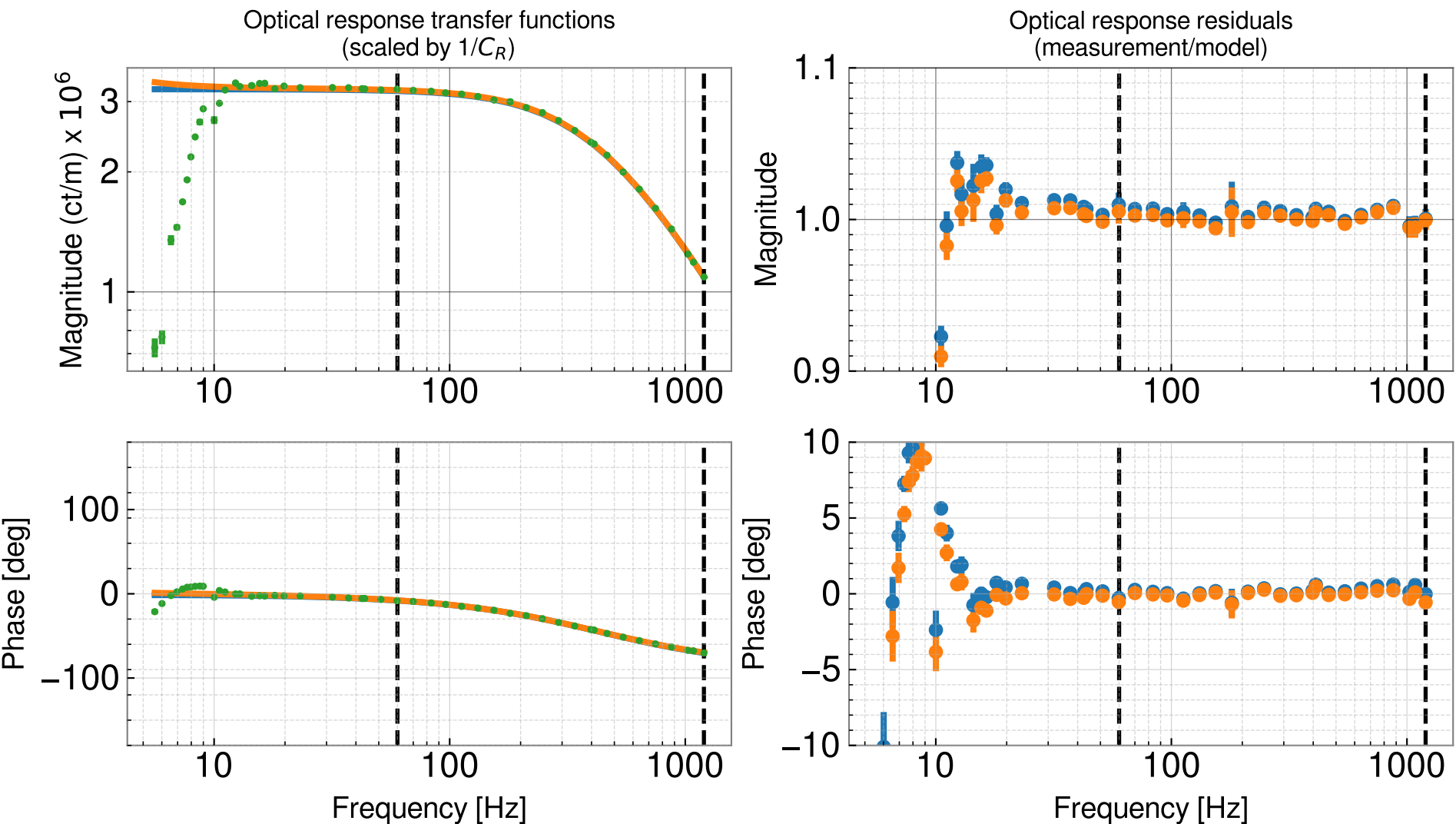
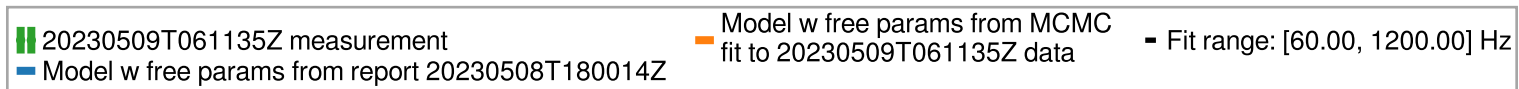


H1 sensing model MCMC summary

All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20230509T070754Z/pydarm_H1.ini`

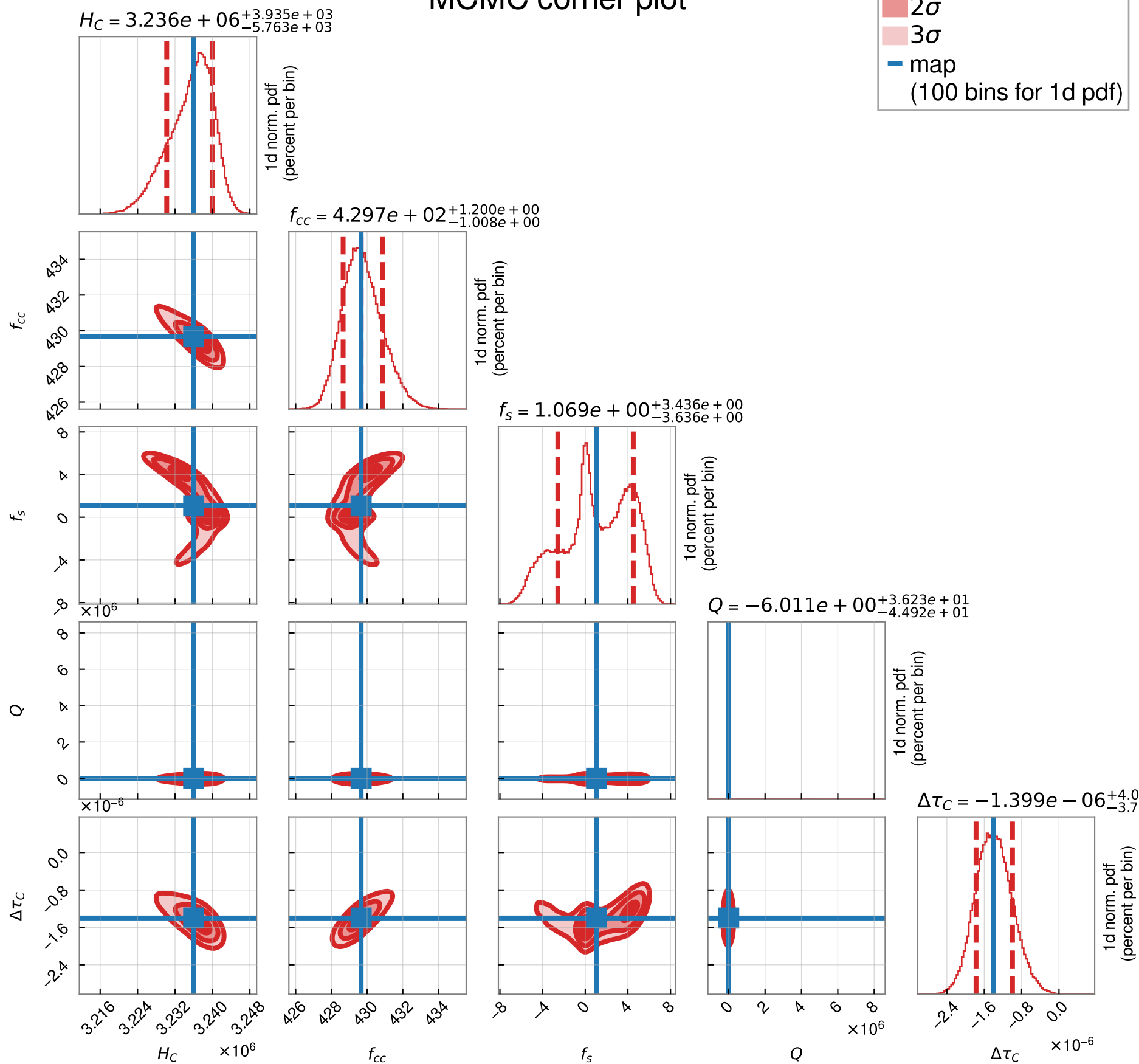


Parameter	(value +/-) value	+	-
Optical gain, H_c (ct/m)	3.236e+06	3935 (0.12%)	5763 (0.18%)
Cavity_pole, f_cc (Hz)	429.7	1.2 (0.28%)	1.008 (0.23%)
Detuned SRC spring frequency, f_s (Hz)	1.069	3.436 (321.52%)	3.636 (340.27%)
Detuned SRC spring quality factor, Q_s	-6.011	36.23 (-602.74%)	44.92 (-747.31%)
Residual time delay, tau_c (s)	-1.399e-06	4.043e-07 (-28.89%)	3.757e-07 (-26.85%)

2d pdf contours

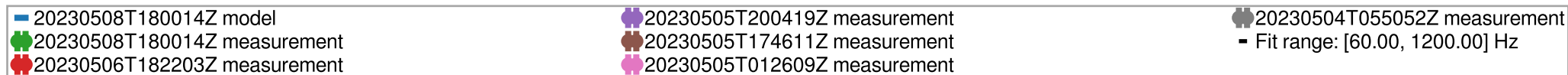
- 1σ
- 2σ
- 3σ
- map

(100 bins for 1d pdf)

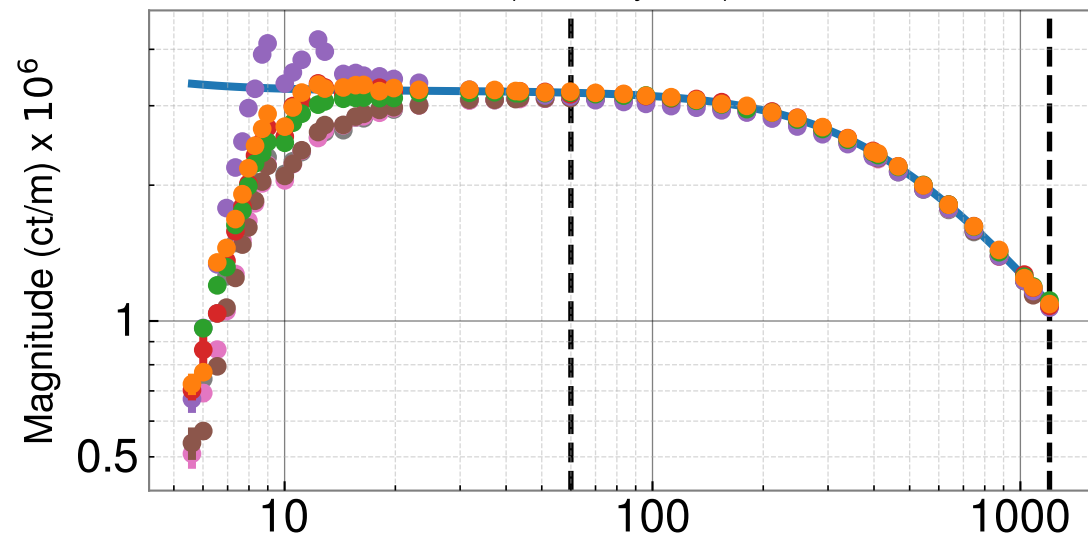


H1 sensing model history

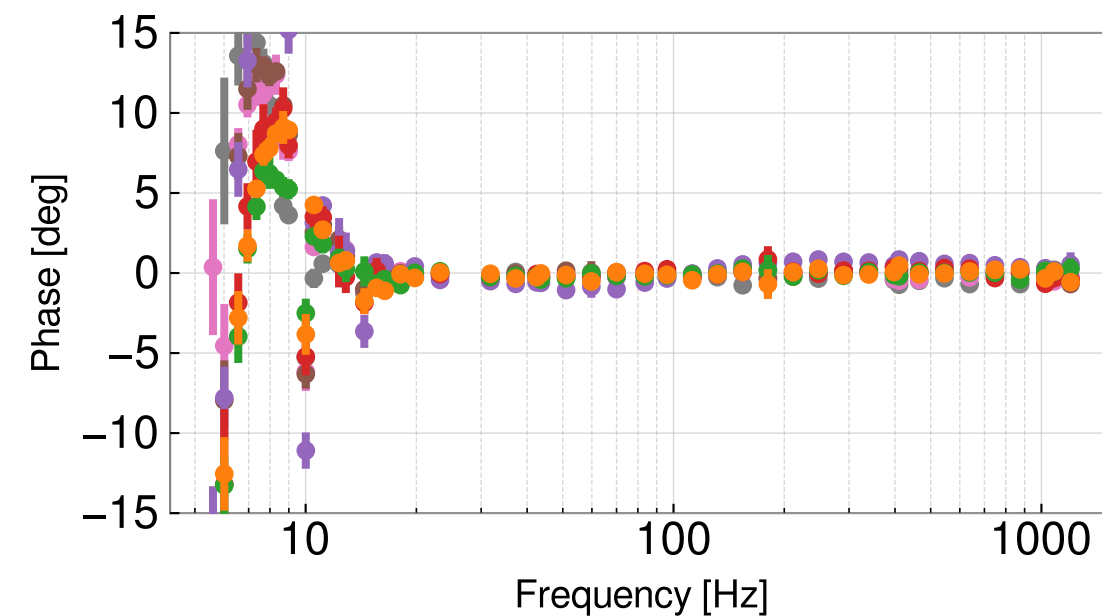
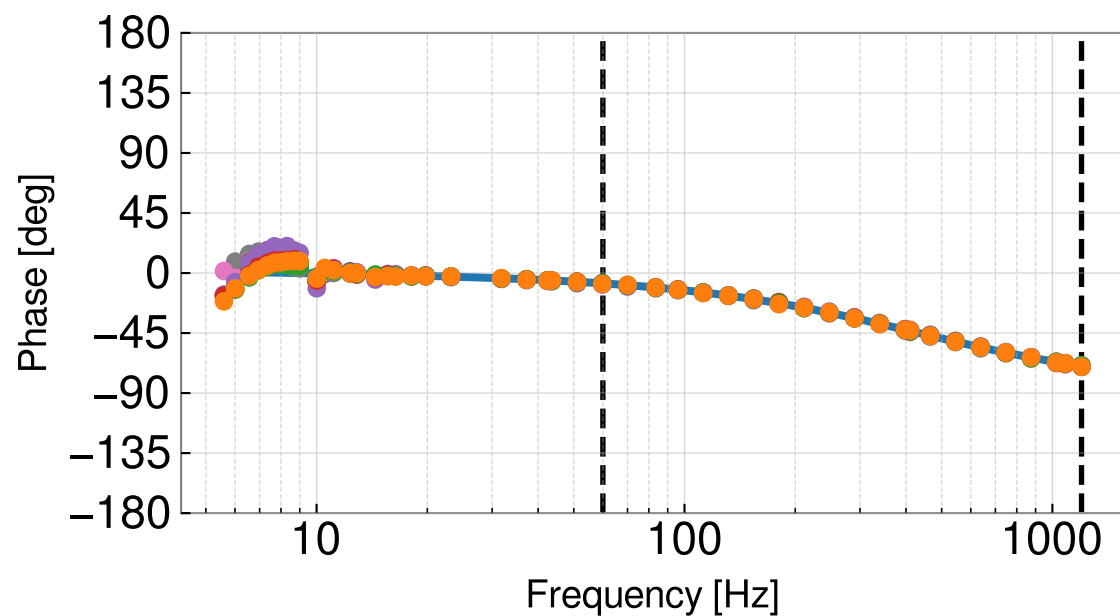
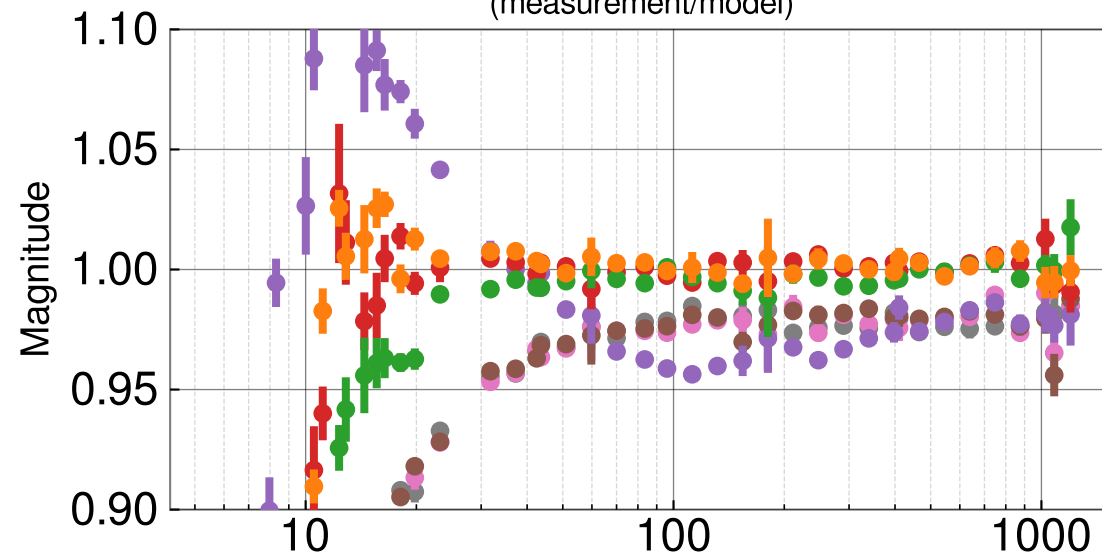
All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20230509T070754Z/pydarm_H1.ini`



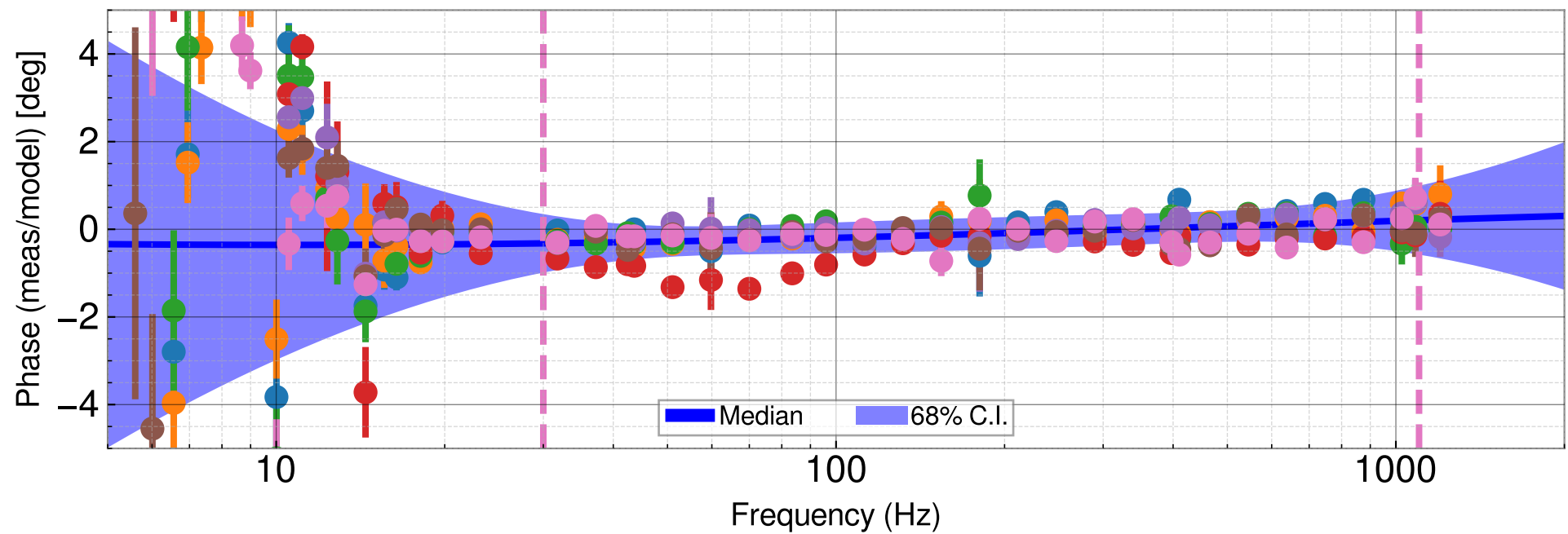
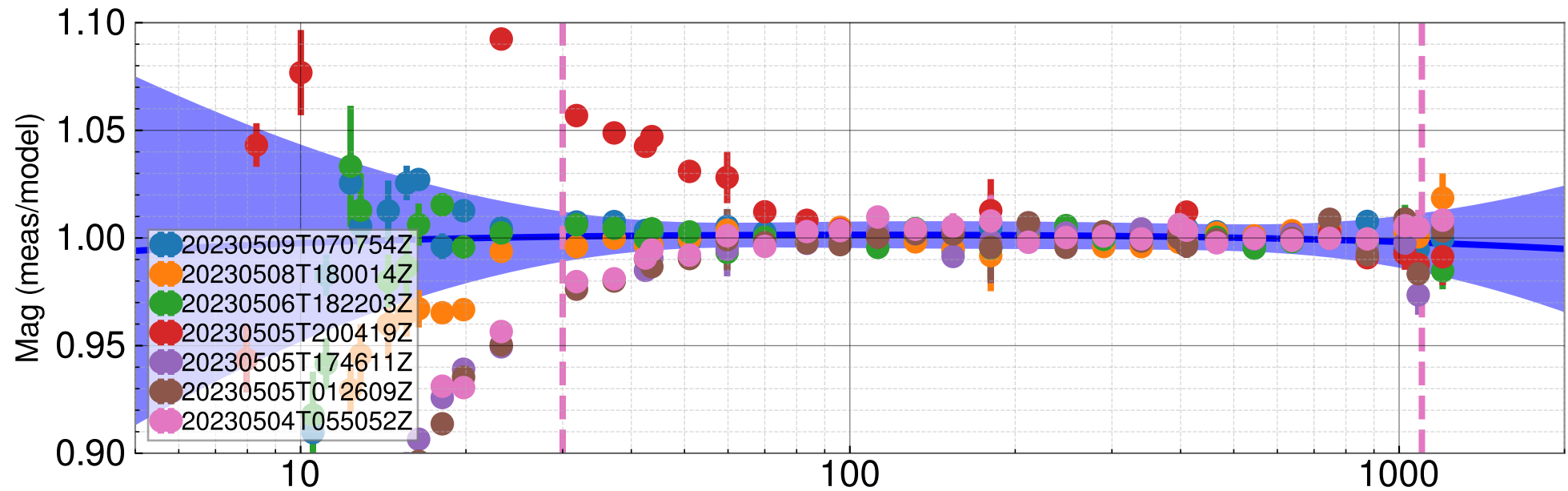
Optical response transfer functions
(scaled by $1/C_R$)



Optical response residuals
(measurement/model)



Sensing GPR



H1SUSEX L1 actuation model MCMC summary

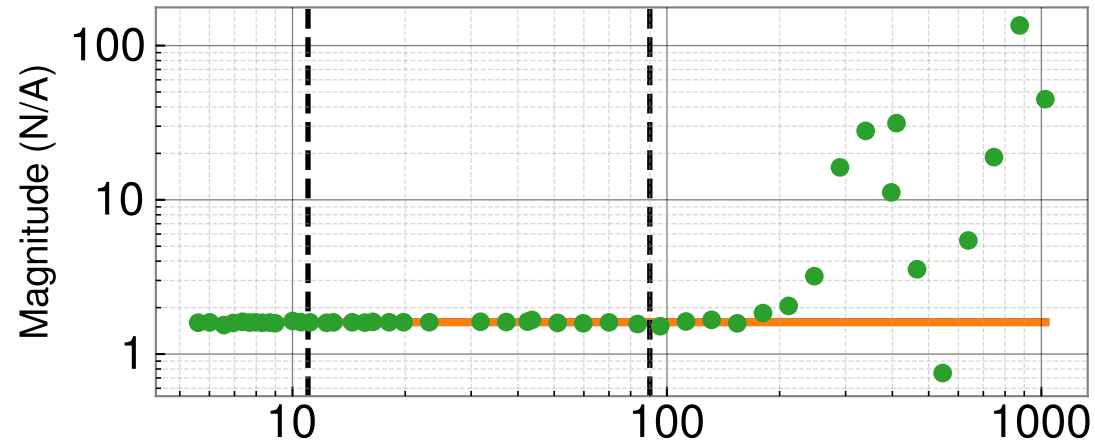
All fixed parameters drawn from /ligo/groups/cal/H1/reports/20230509T070754Z/pydarm_H1.ini

— Model w free params from report 20230509T070754Z

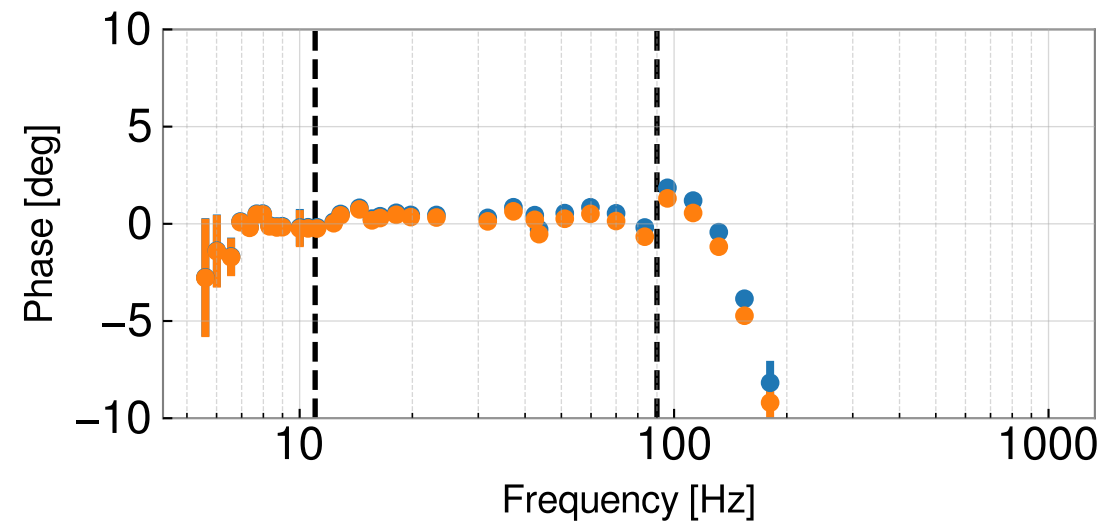
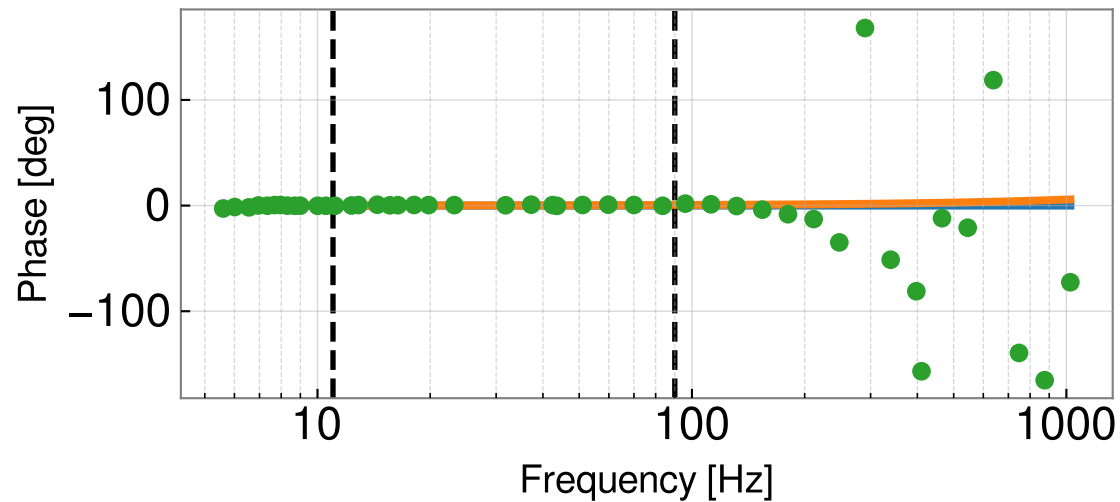
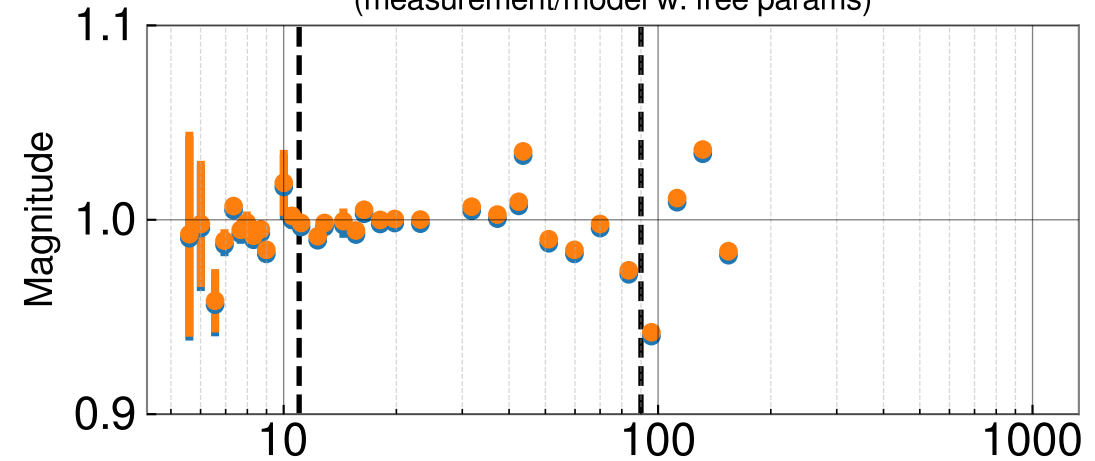
— Model w free params from
MCMC fit to 20230509T062006Z data

— Fit range 11.0 to 90.0 Hz

Actuation strength transfer functions
(scaled by H_{ref})

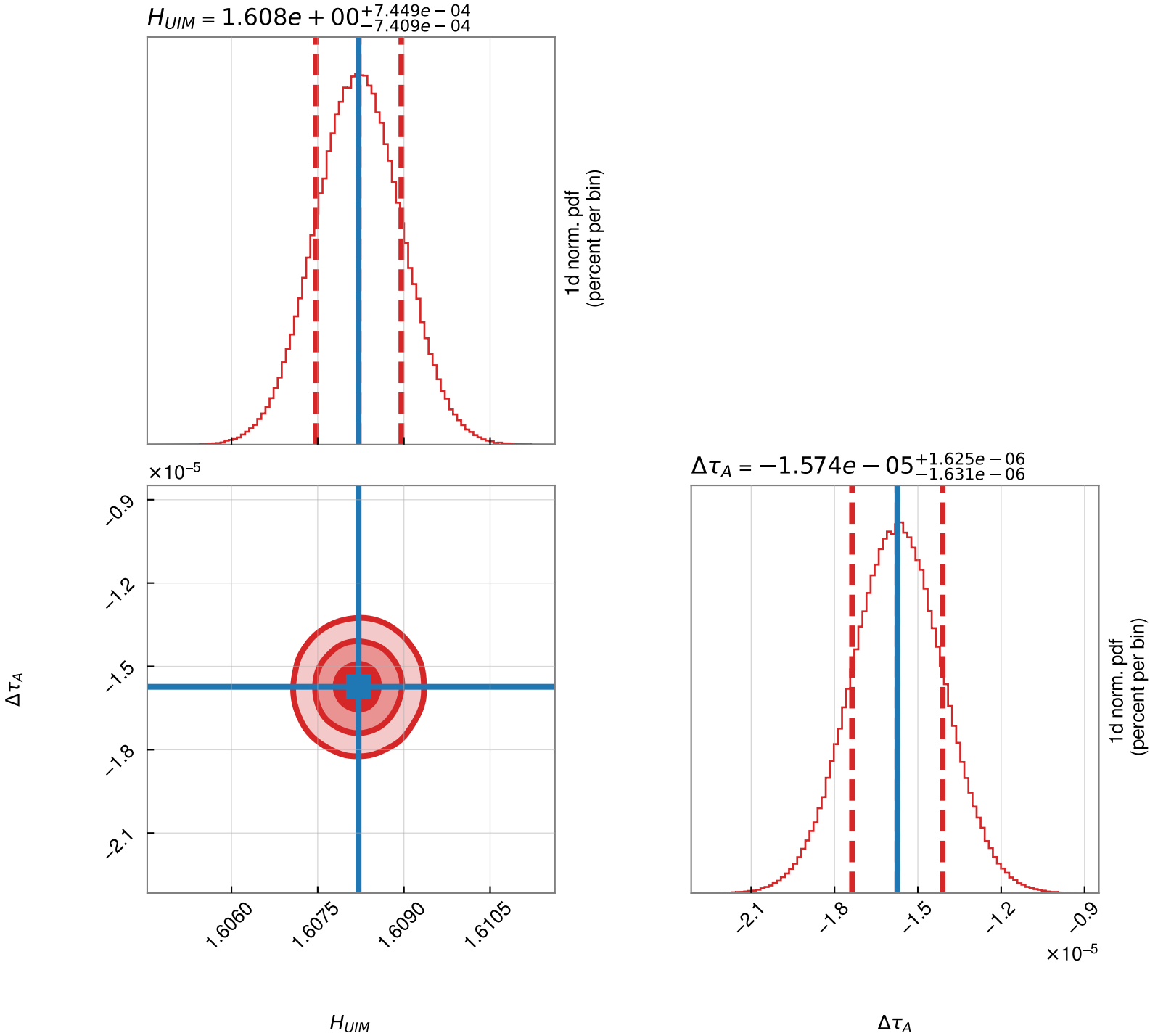
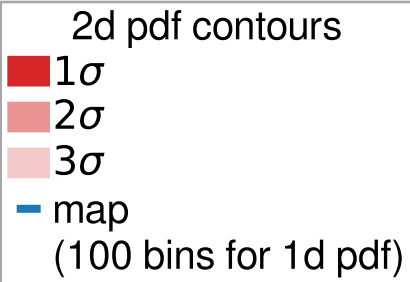


Actuation strength residuals
(measurement/model w. free params)



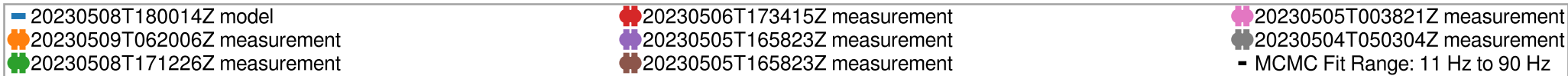
Parameter	(value +/-) value	+	-
Actuation Gain, Hau (N/A)	1.608	0.0007449 (0.05%)	0.0007409 (0.05%)
Residual time delay, tau_A (s)	-1.574e-05	1.625e-06 (-10.32%)	1.631e-06 (-10.37%)

20230509T062006Z EX L1 actuation
MCMC corner plot

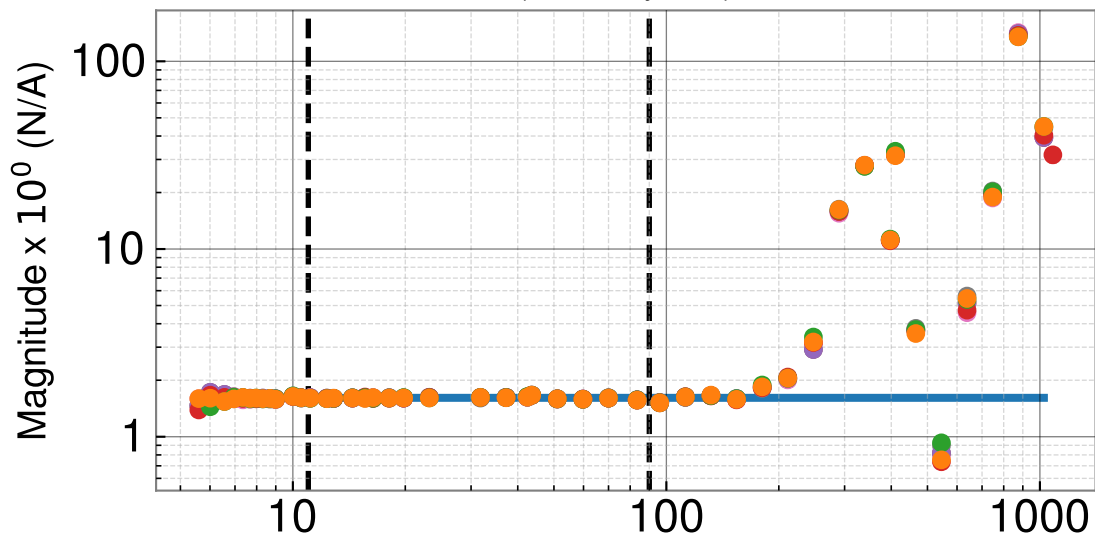


H1 SUSEX L1 actuation model history

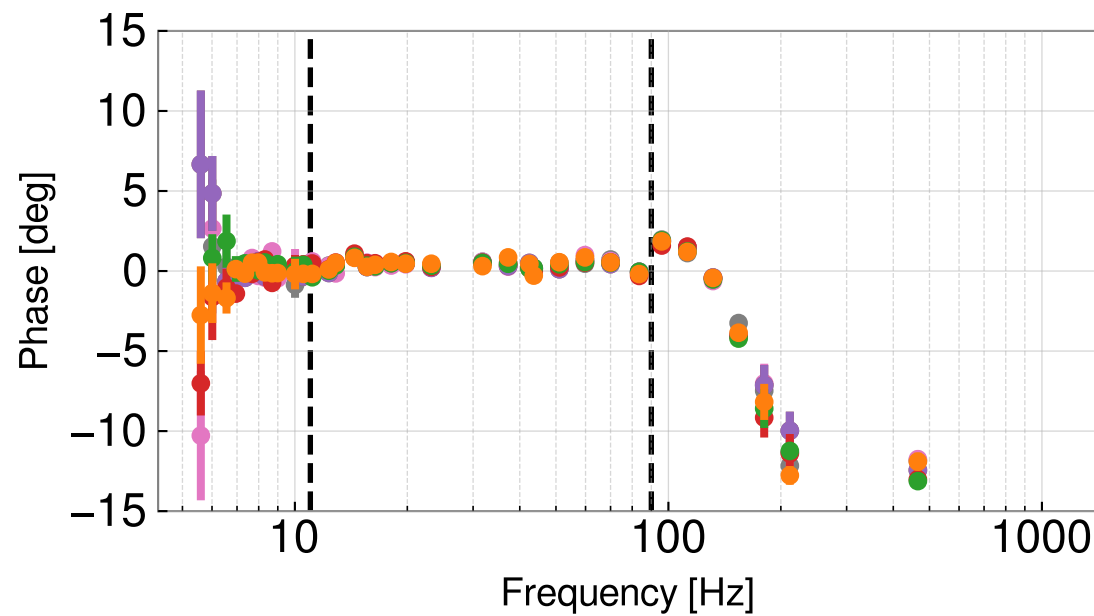
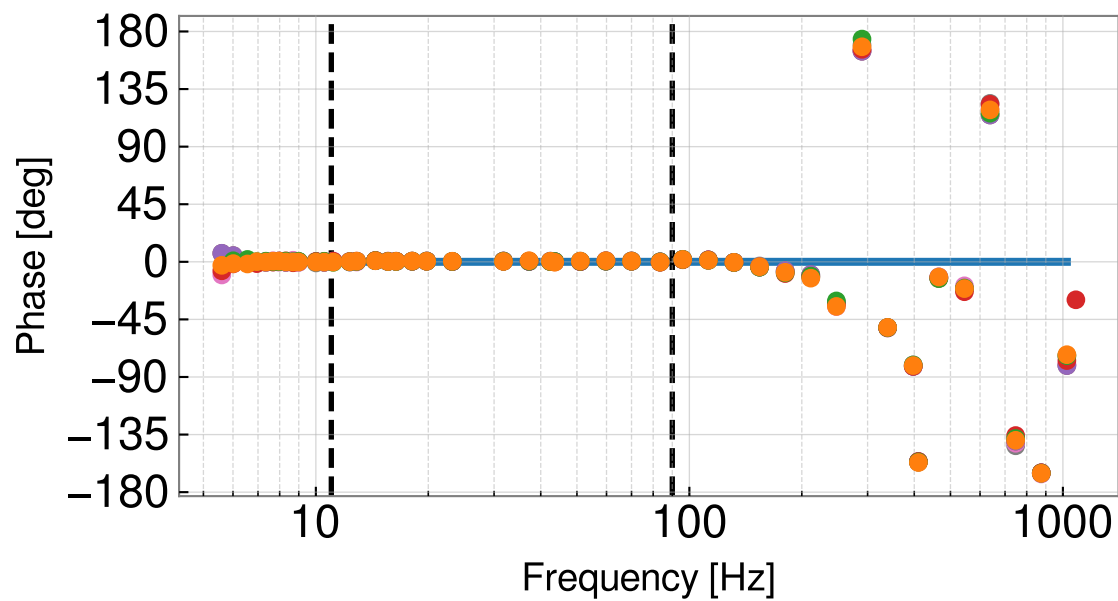
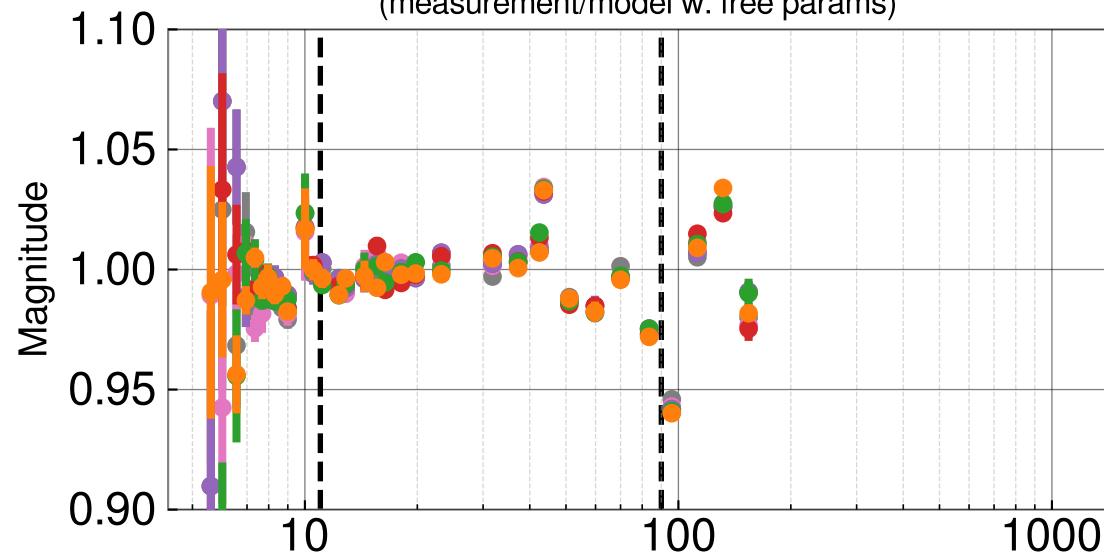
All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20230509T070754Z/pydarm_H1.ini`



Actuation strength transfer functions
(scaled by H_{ref})

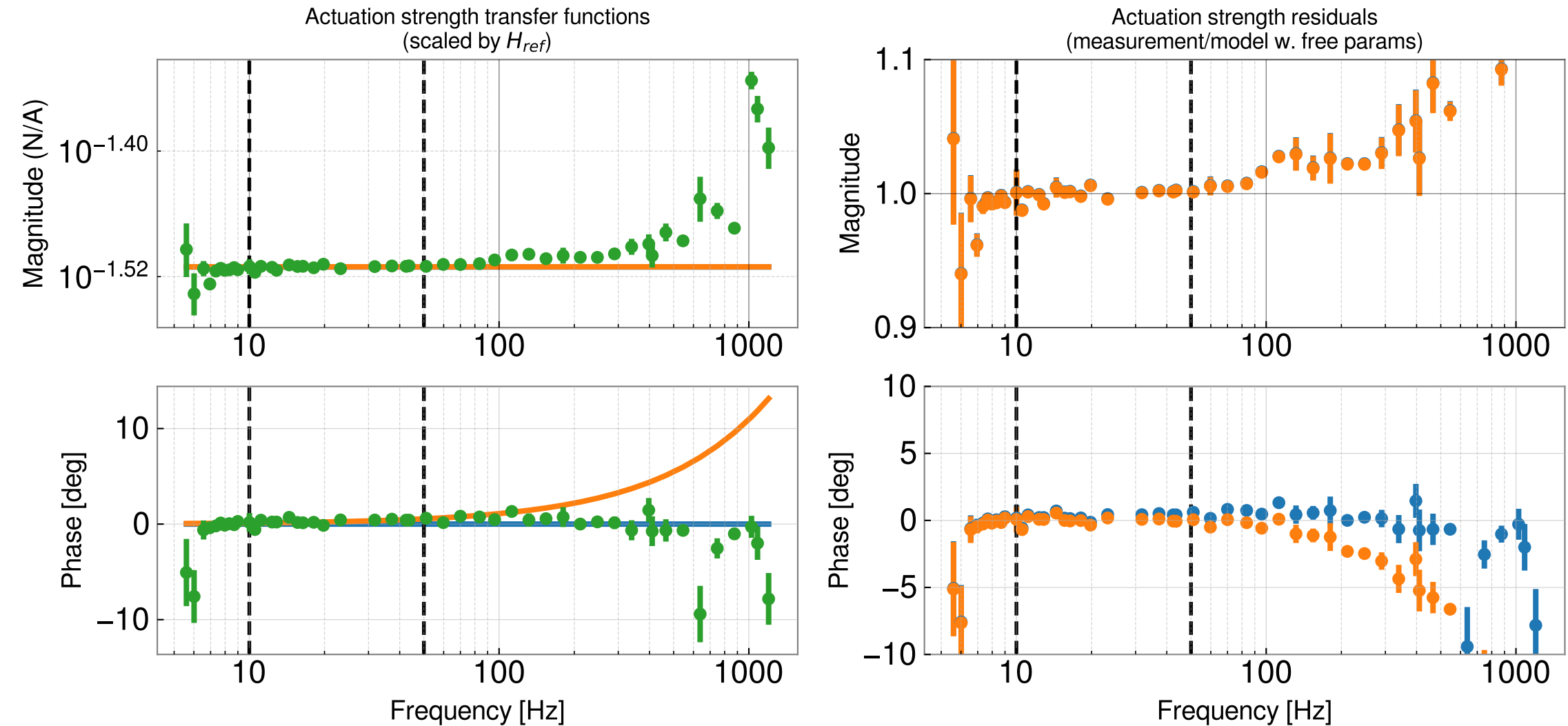


Actuation strength residuals
(measurement/model w. free params)



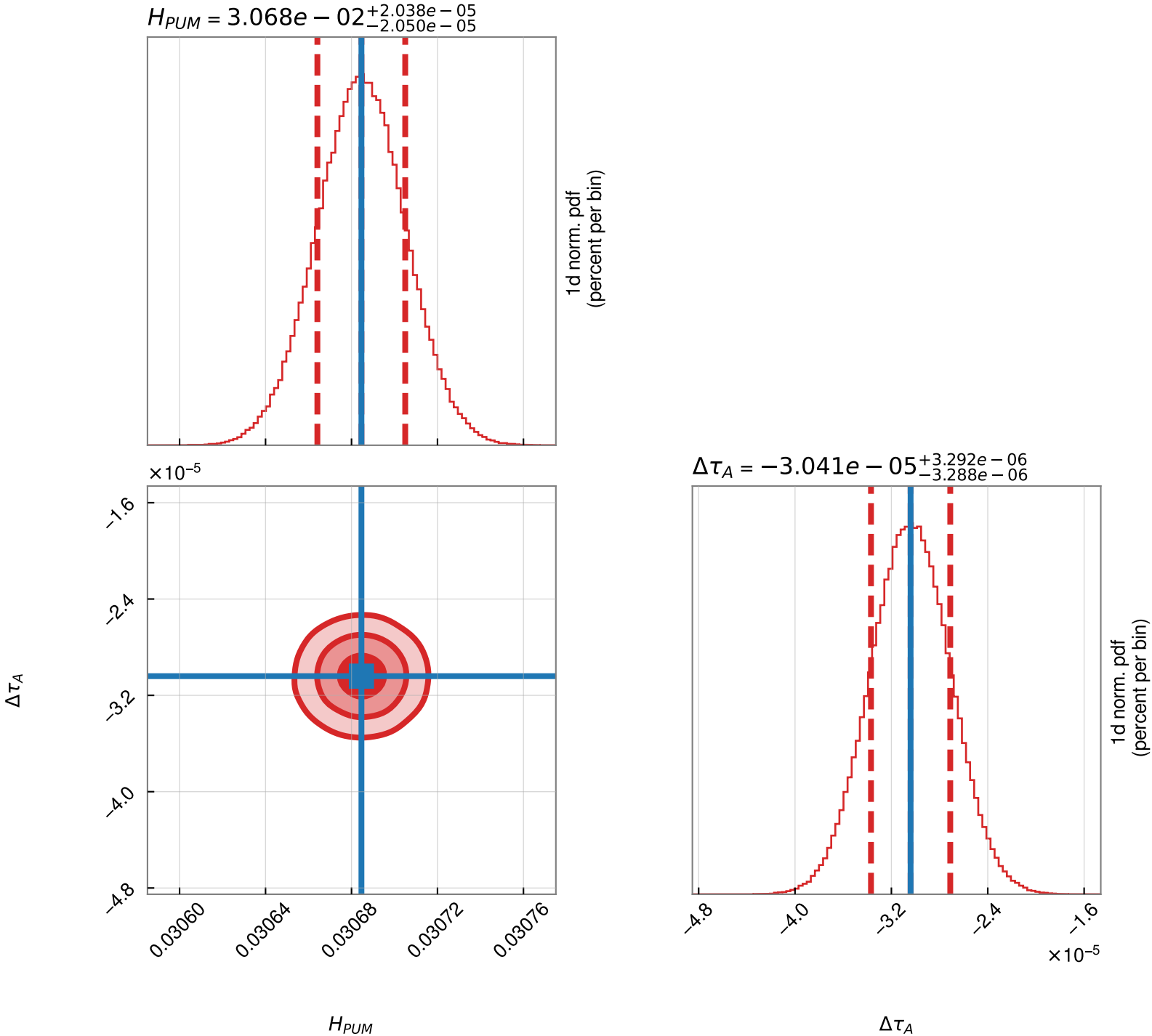
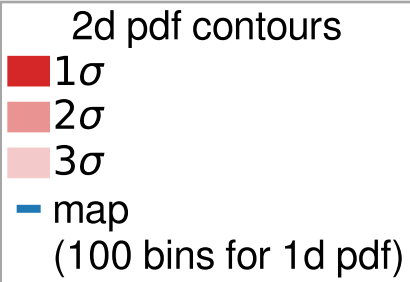
H1SUSEX L2 actuation model MCMC summary

All fixed parameters drawn from /ligo/groups/cal/H1/reports/20230509T070754Z/pydarm_H1.ini



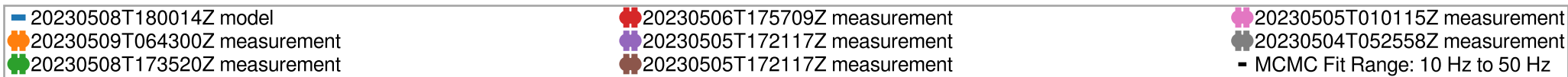
Parameter	(value +/-) value	+	-
Actuation Gain, Hap (N/A)	0.03068	2.038e-05 (0.07%)	2.05e-05 (0.07%)
Residual time delay, tau_A (s)	-3.041e-05	3.292e-06 (-10.83%)	3.288e-06 (-10.81%)

20230509T064300Z EX L2 actuation
MCMC corner plot

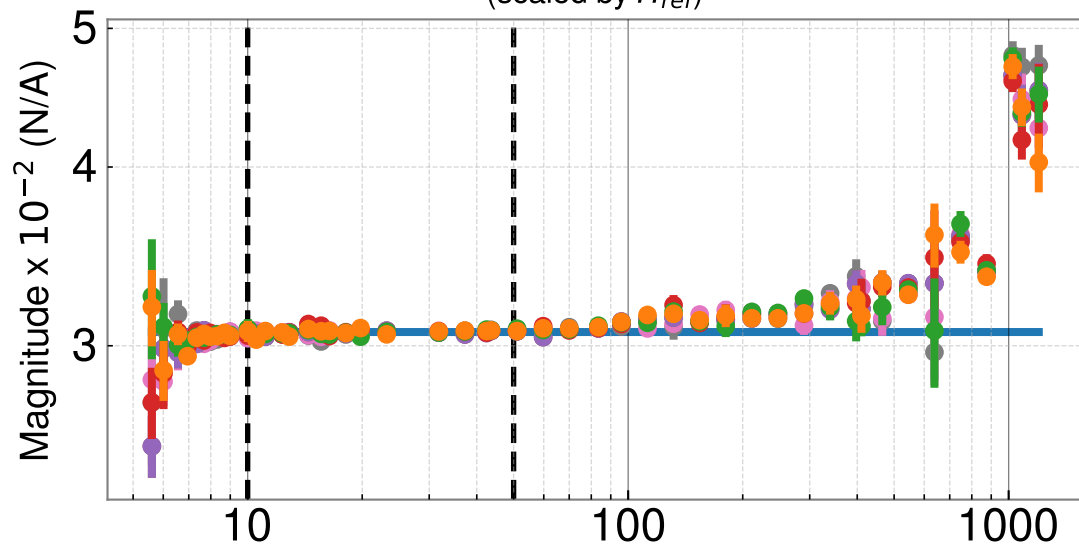


H1 SUSEX L2 actuation model history

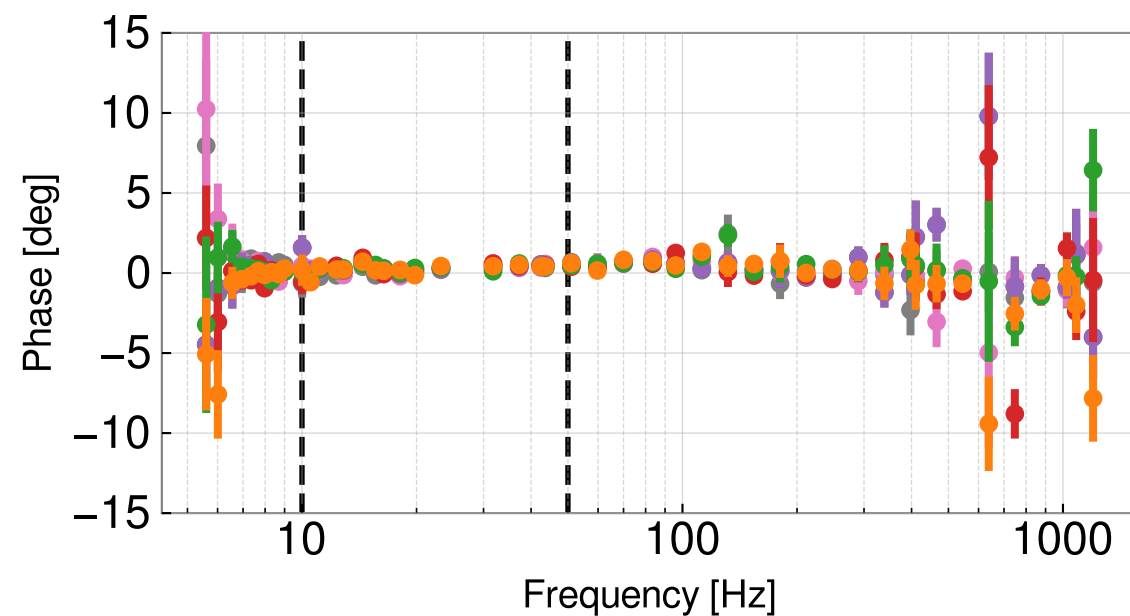
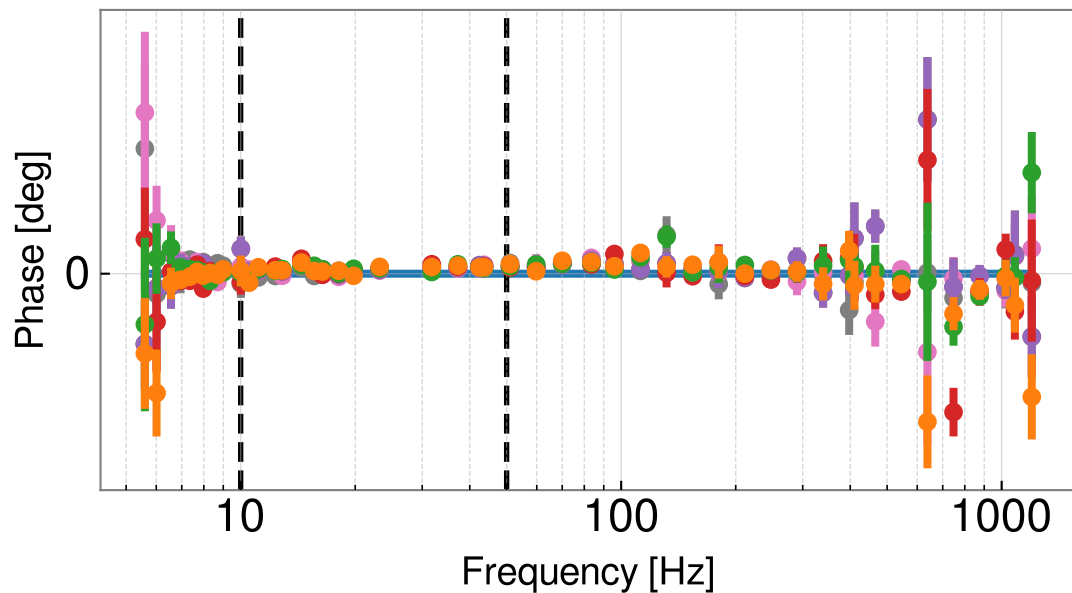
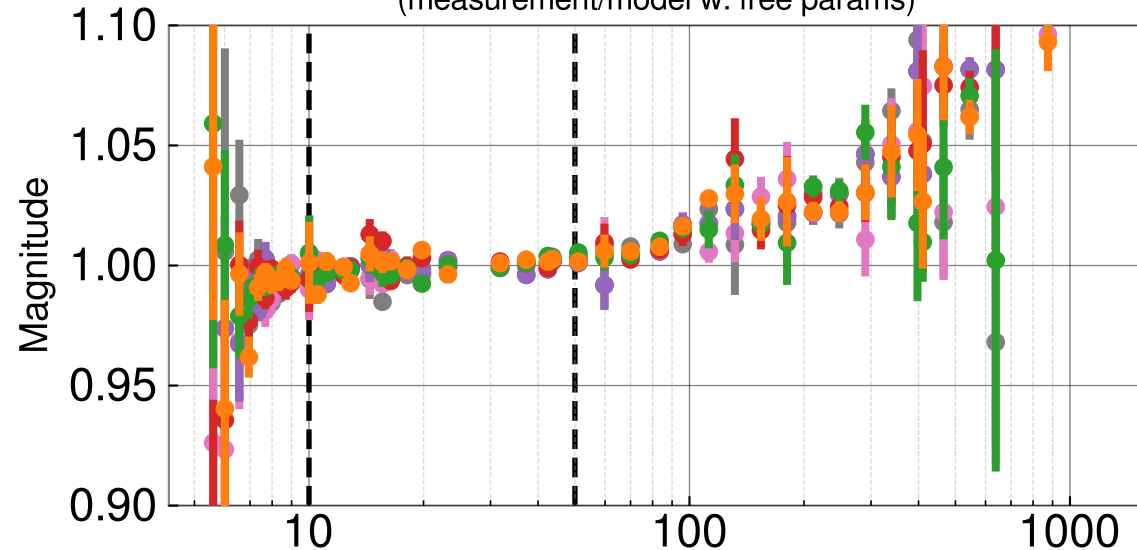
All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20230509T070754Z/pydarm_H1.ini`



Actuation strength transfer functions
(scaled by H_{ref})

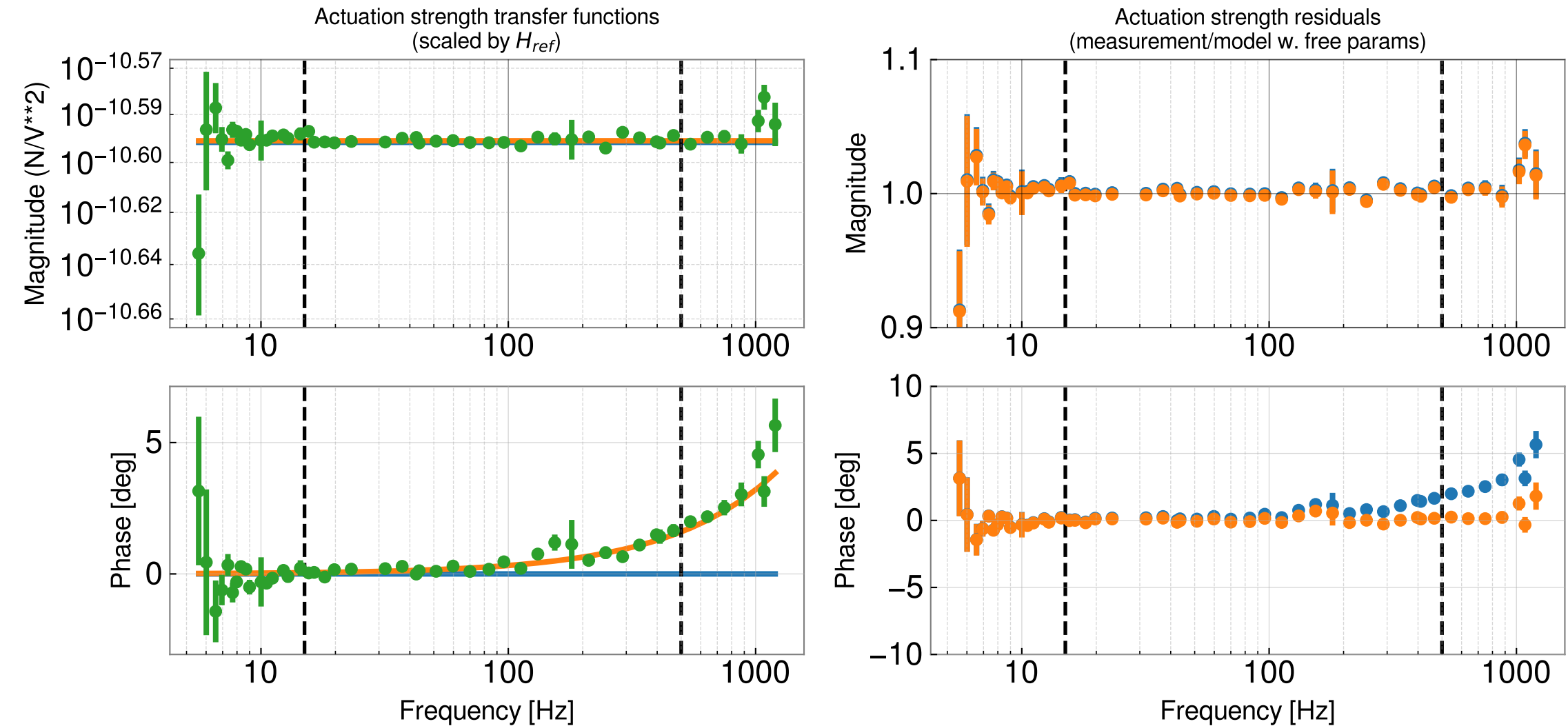
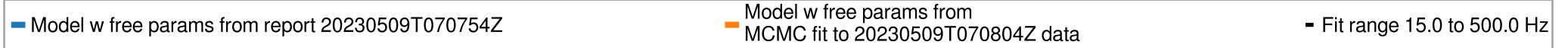


Actuation strength residuals
(measurement/model w. free params)



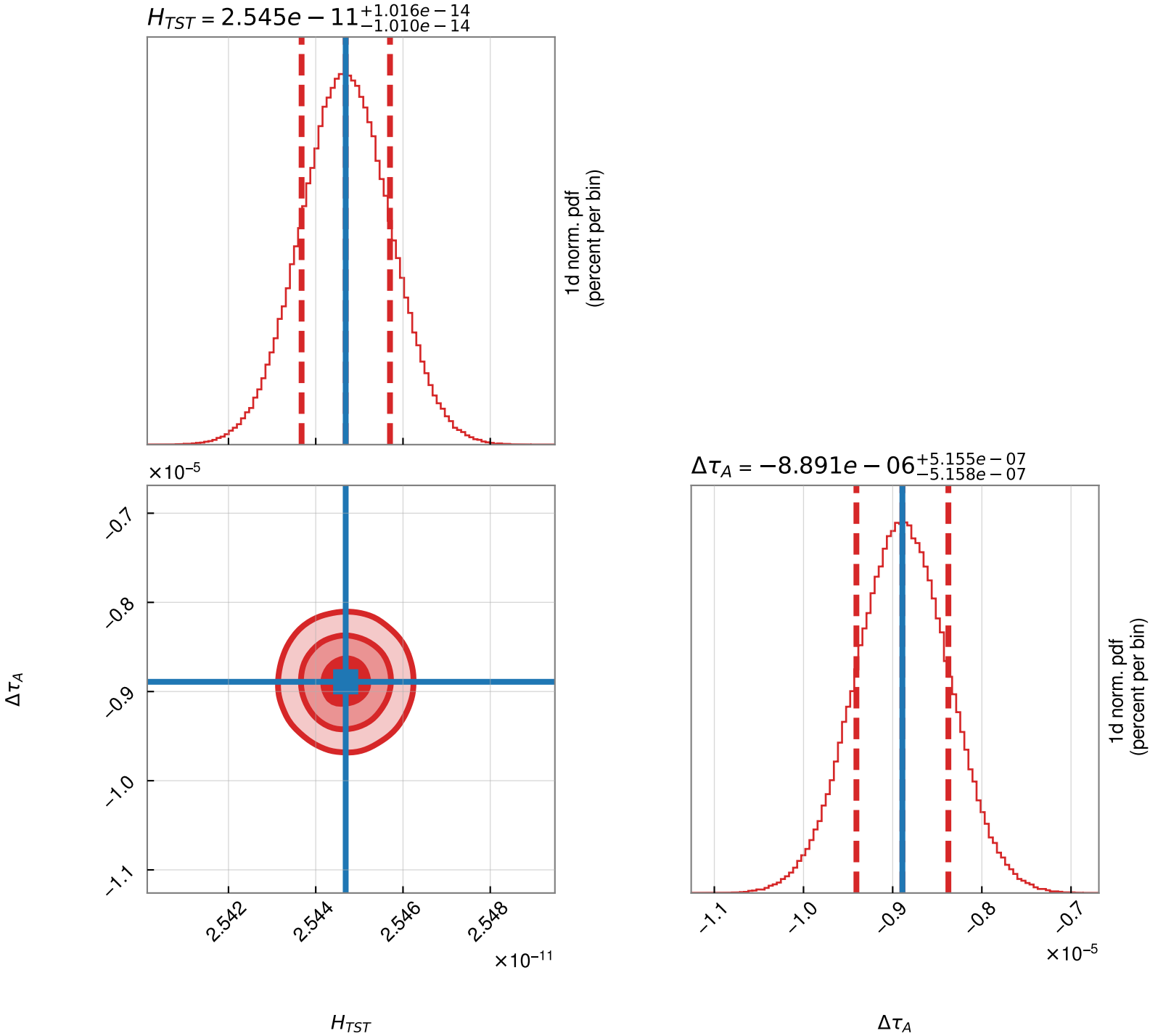
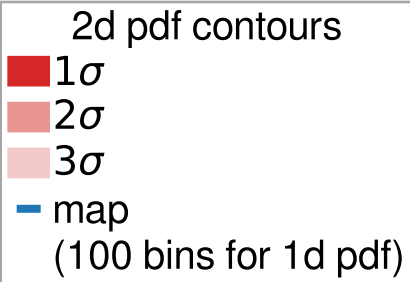
H1SUSEX L3 actuation model MCMC summary

All fixed parameters drawn from /ligo/groups/cal/H1/reports/20230509T070754Z/pydarm_H1.ini



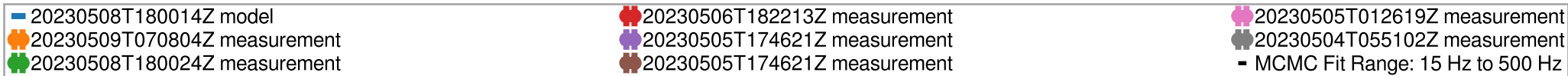
Parameter	(value +/-) value	+	-
Actuation Gain, Hat (N/V**2)	2.545e-11	1.016e-14 (0.04%)	1.01e-14 (0.04%)
Residual time delay, tau_A (s)	-8.891e-06	5.155e-07 (-5.80%)	5.158e-07 (-5.80%)

20230509T070804Z EX L3 actuation
MCMC corner plot

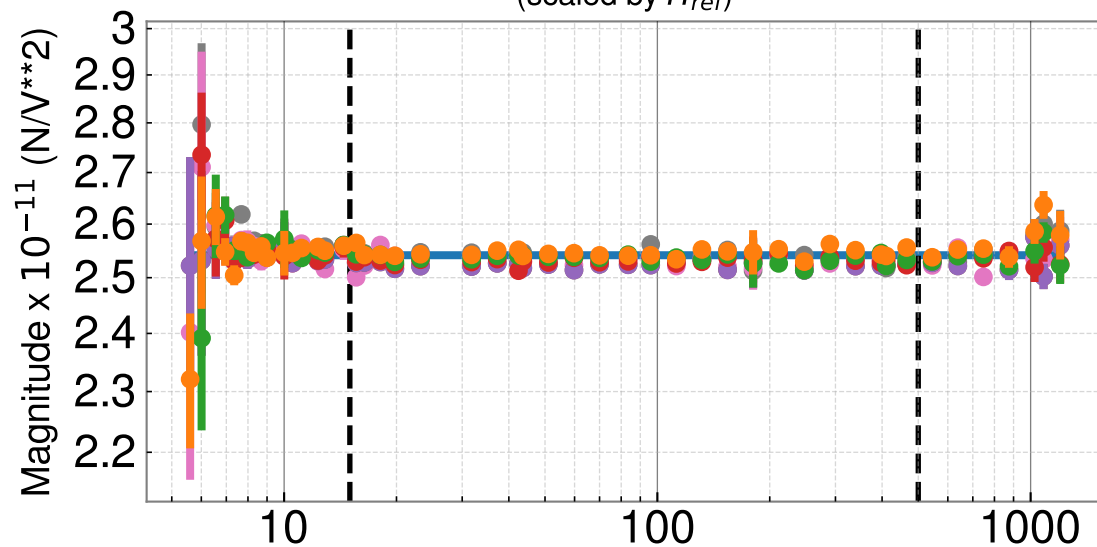


H1 SUSEX L3 actuation model history

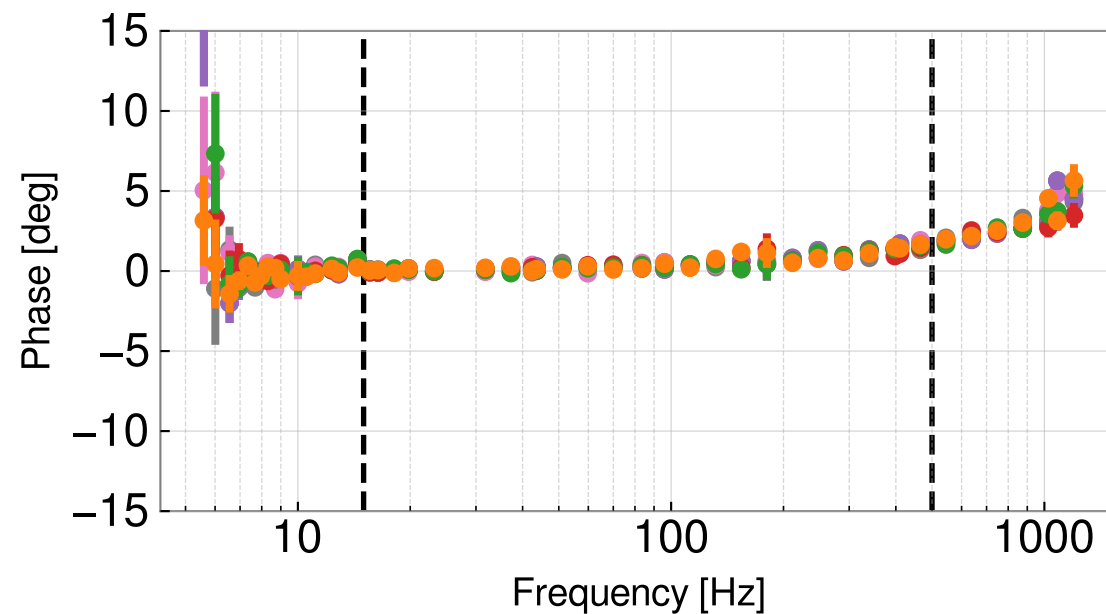
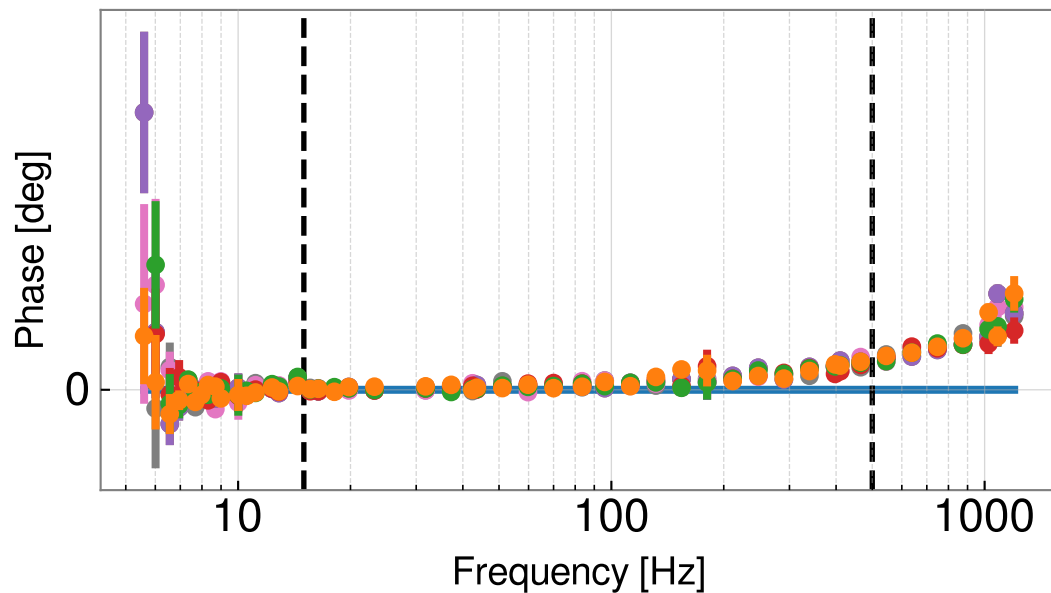
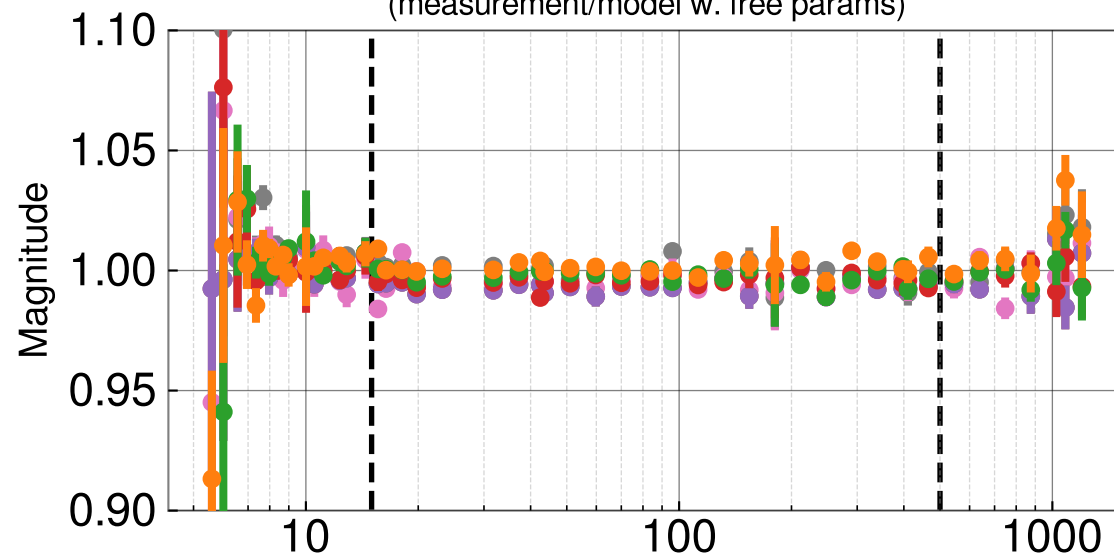
All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20230509T070754Z/pydarm_H1.ini`



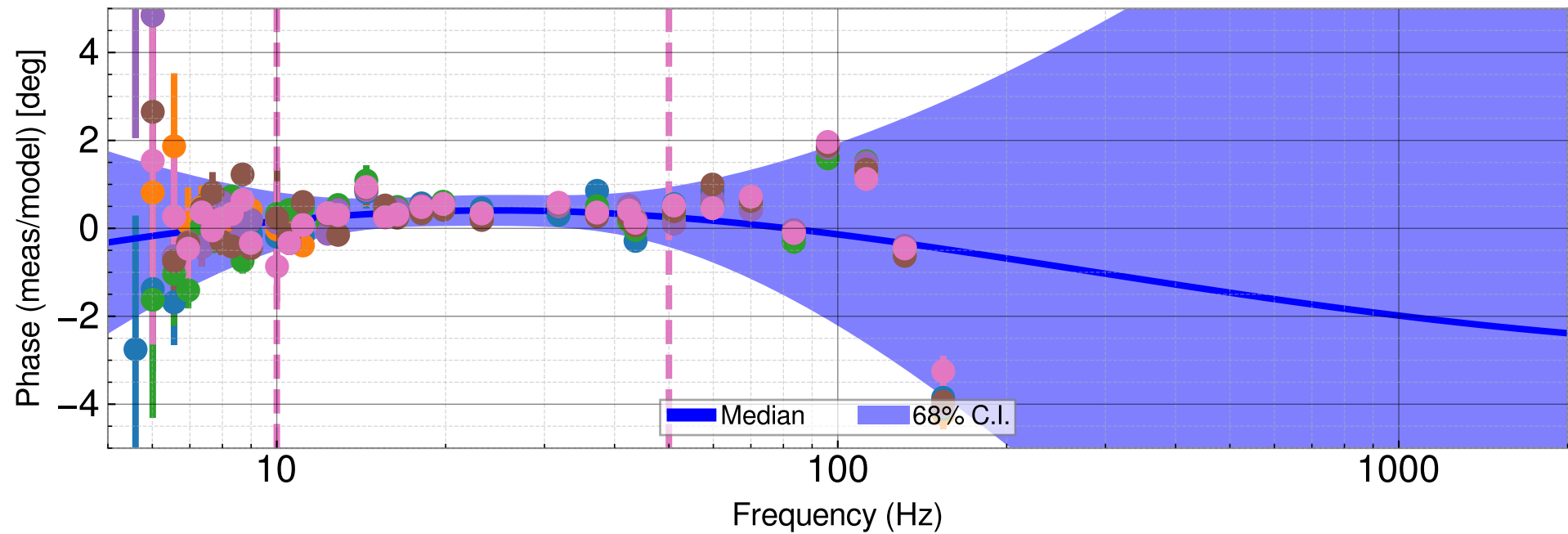
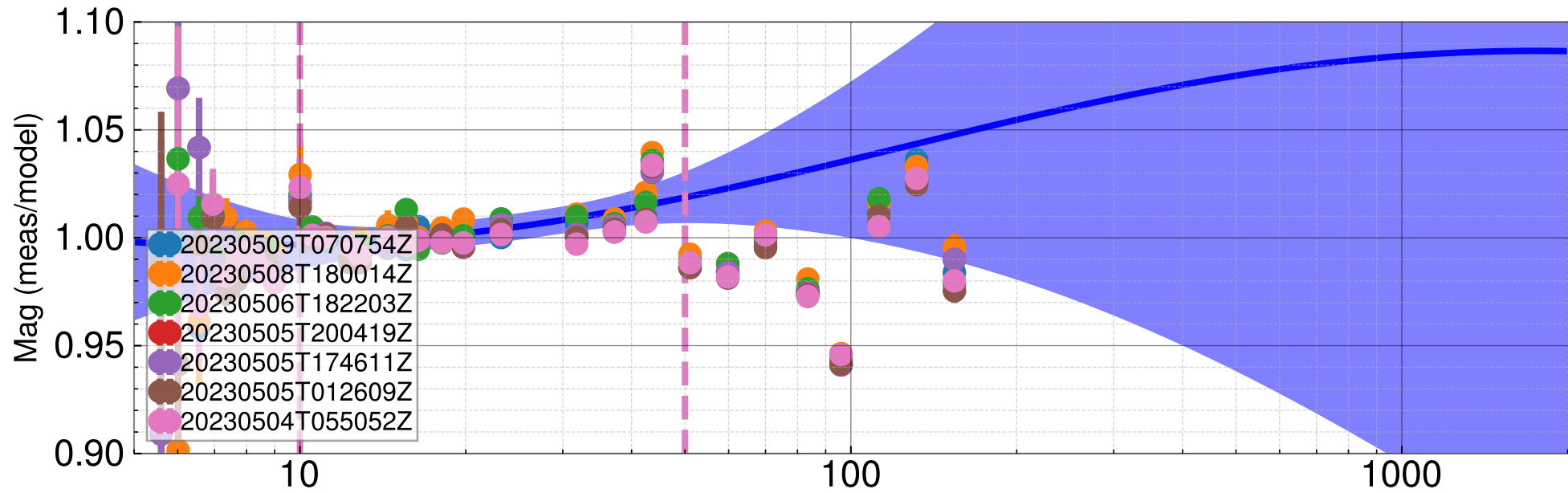
Actuation strength transfer functions
(scaled by H_{ref})



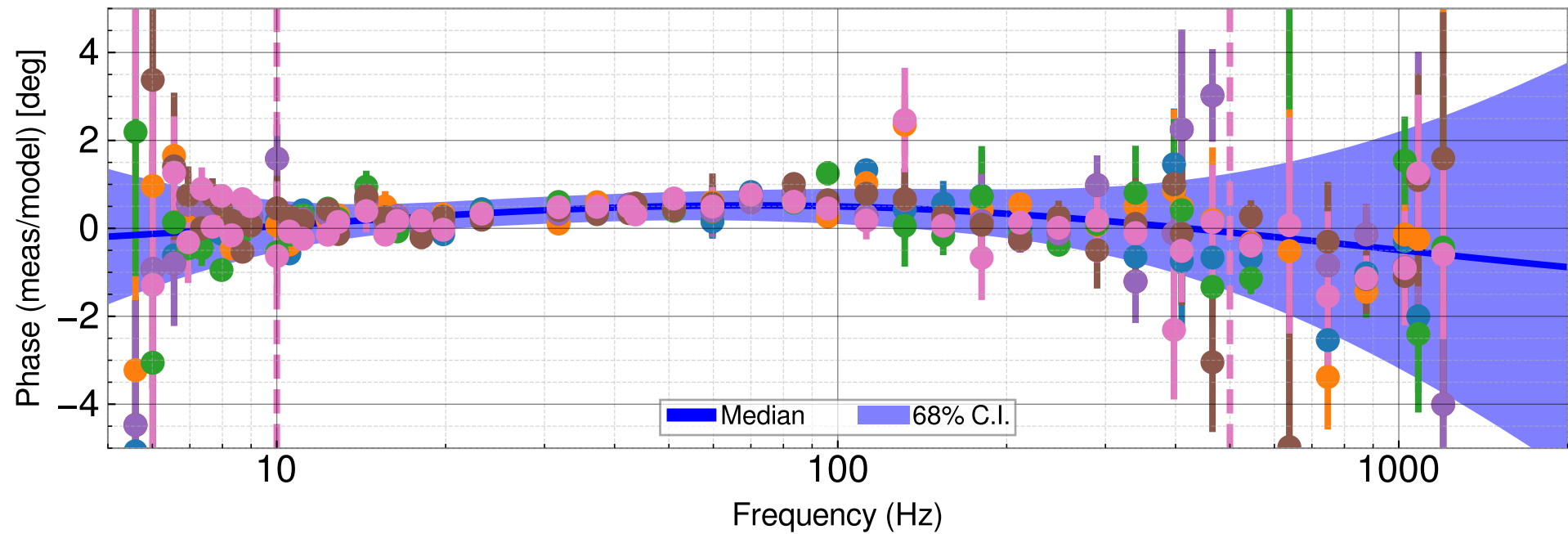
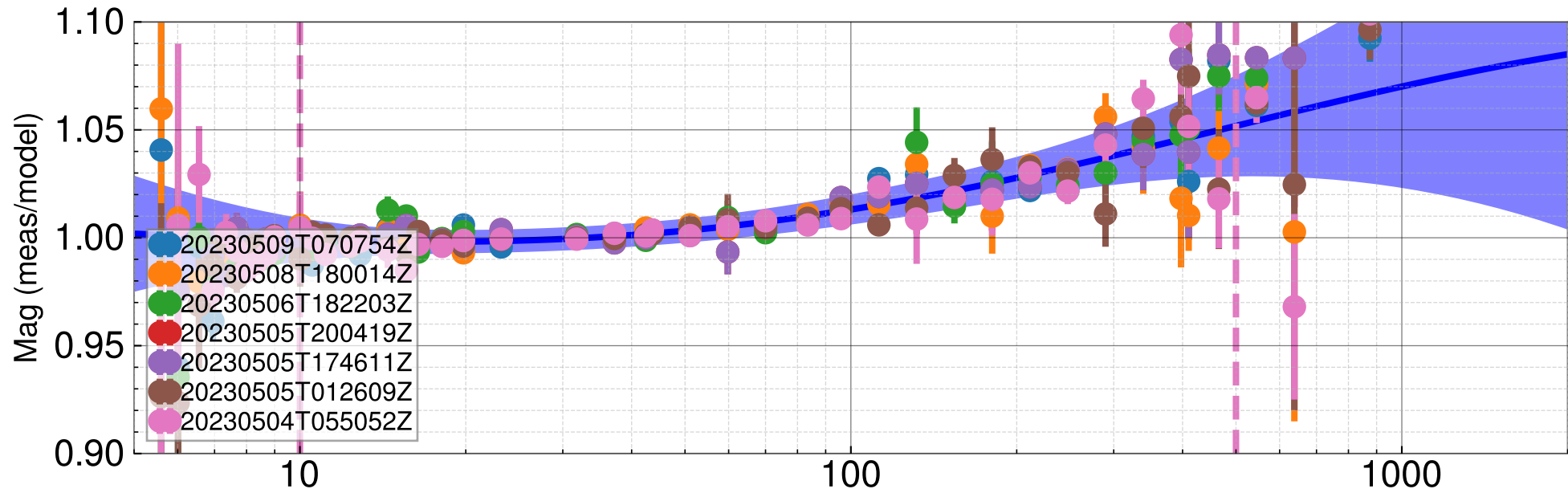
Actuation strength residuals
(measurement/model w. free params)



Actuation/L3/EX GPR



Actuation/L3/EX GPR



Actuation/L3/EX GPR

