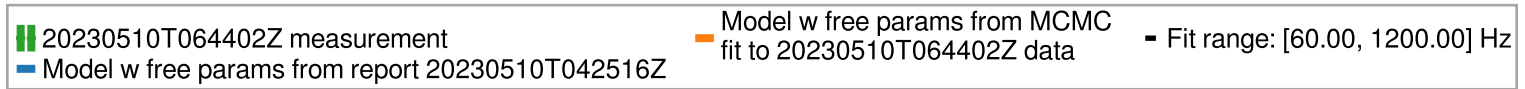
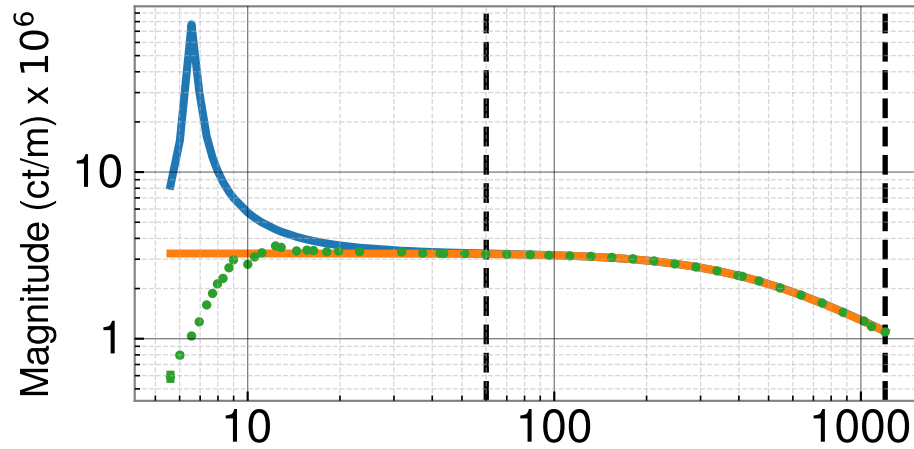


H1 sensing model MCMC summary

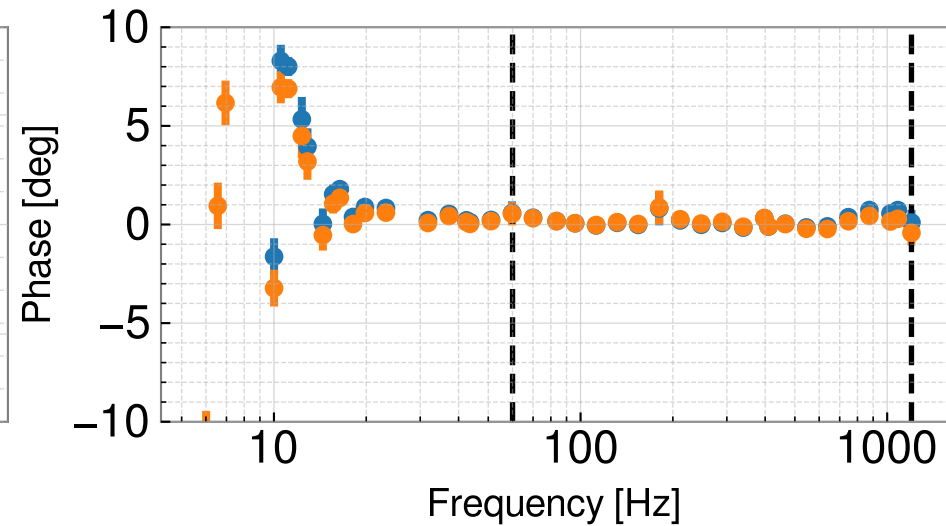
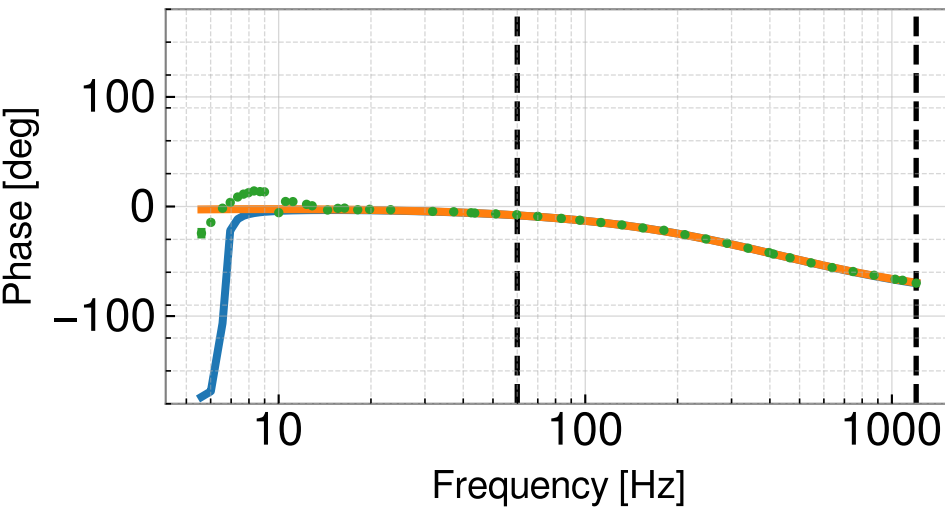
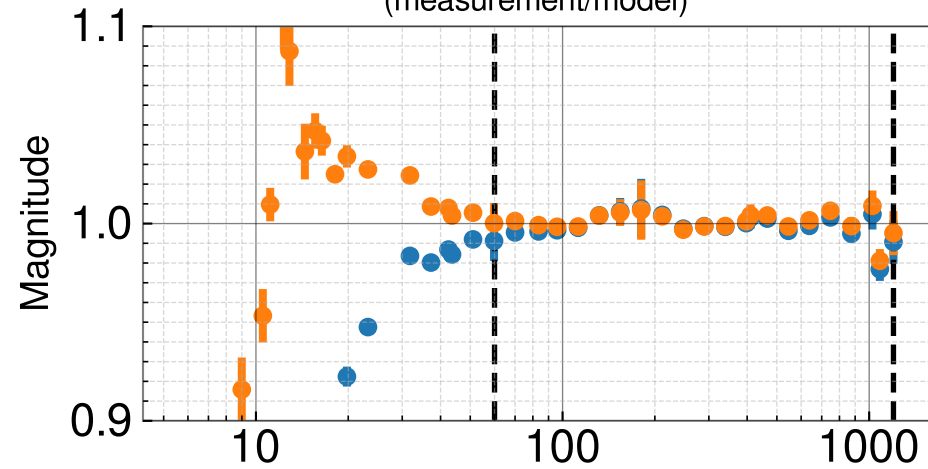
All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20230510T062635Z/pydarm_H1.ini`



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



Optical response residuals
(measurement/model)

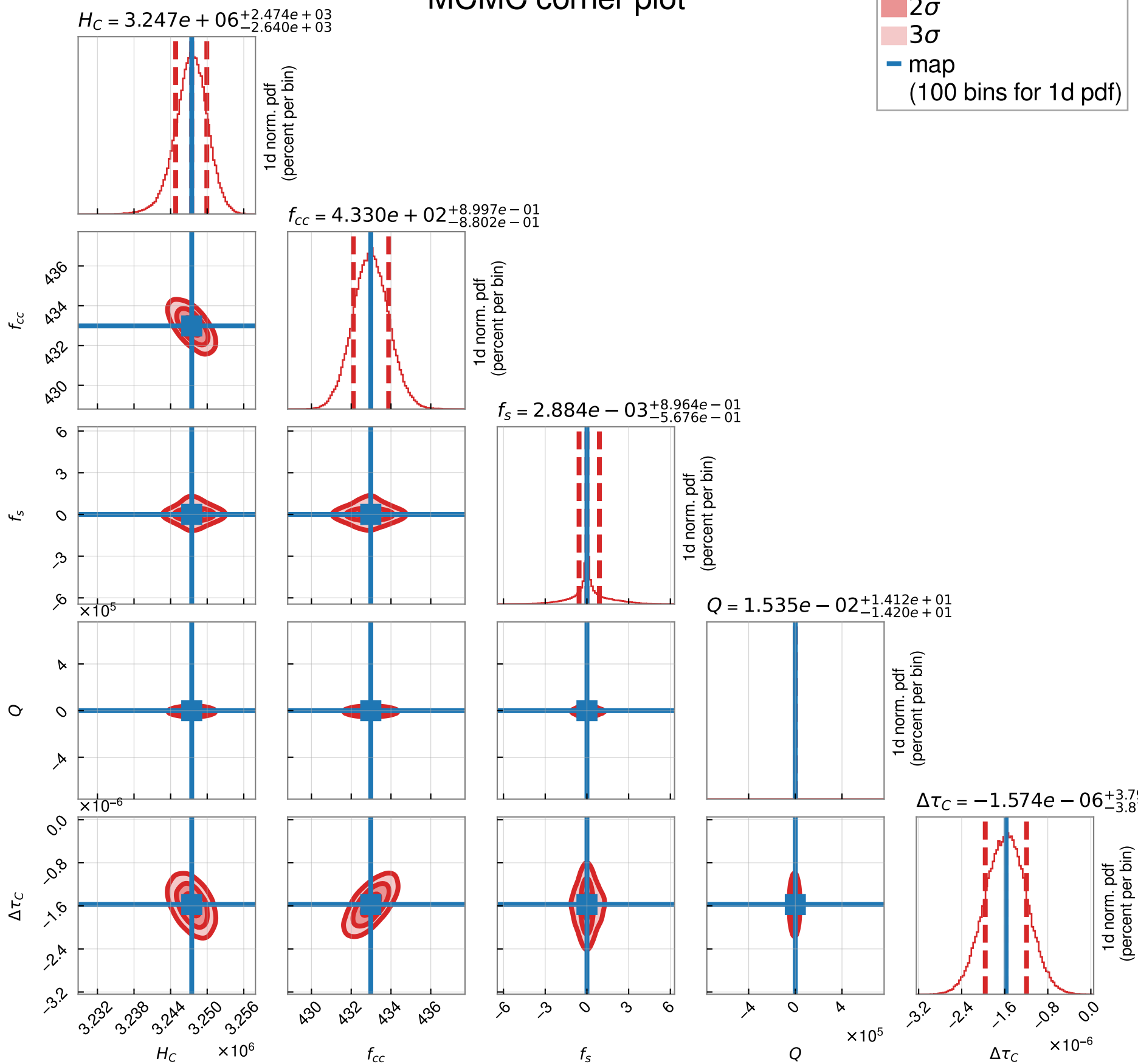


Parameter	(value +/-) value	+	-
Optical gain, H_c (ct/m)	3.247e+06	2474 (0.08%)	2640 (0.08%)
Cavity_pole, f_cc (Hz)	433	0.8997 (0.21%)	0.8802 (0.20%)
Detuned SRC spring frequency, f_s (Hz)	0.002884	0.8964 (31078.85%)	0.5676 (19677.01%)
Detuned SRC spring quality factor, Q_s	0.01535	14.12 (92032.40%)	14.2 (92512.05%)
Residual time delay, tau_c (s)	-1.574e-06	3.797e-07 (-24.12%)	3.878e-07 (-24.63%)

2d pdf contours

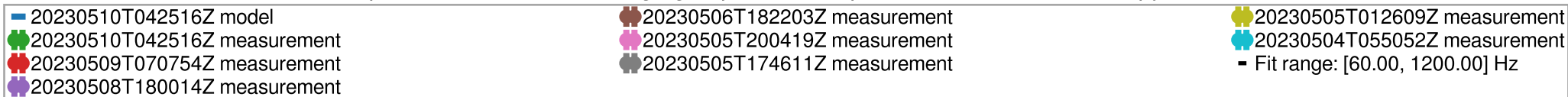
- 1σ
- 2σ
- 3σ
- map

(100 bins for 1d pdf)

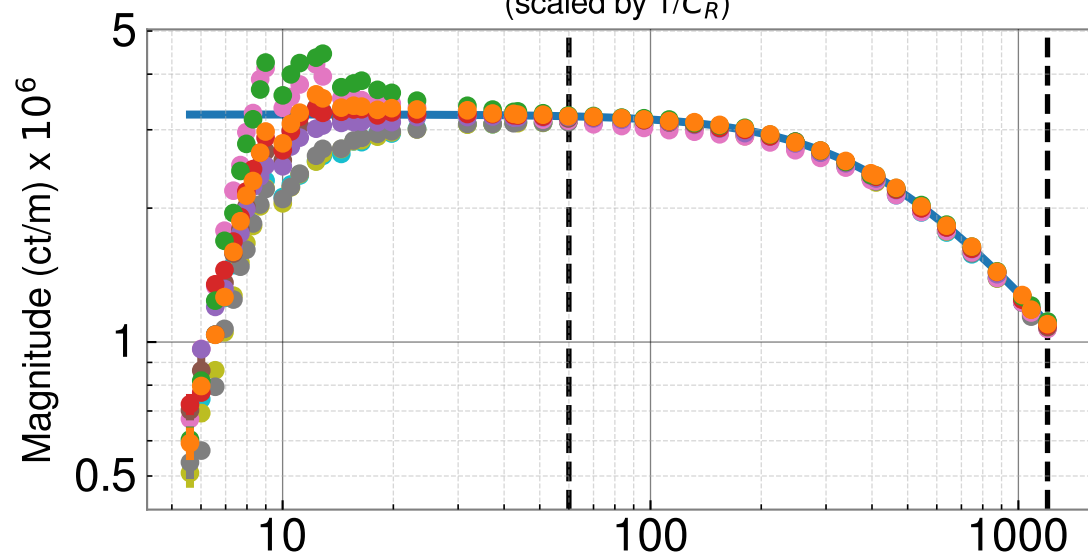


H1 sensing model history

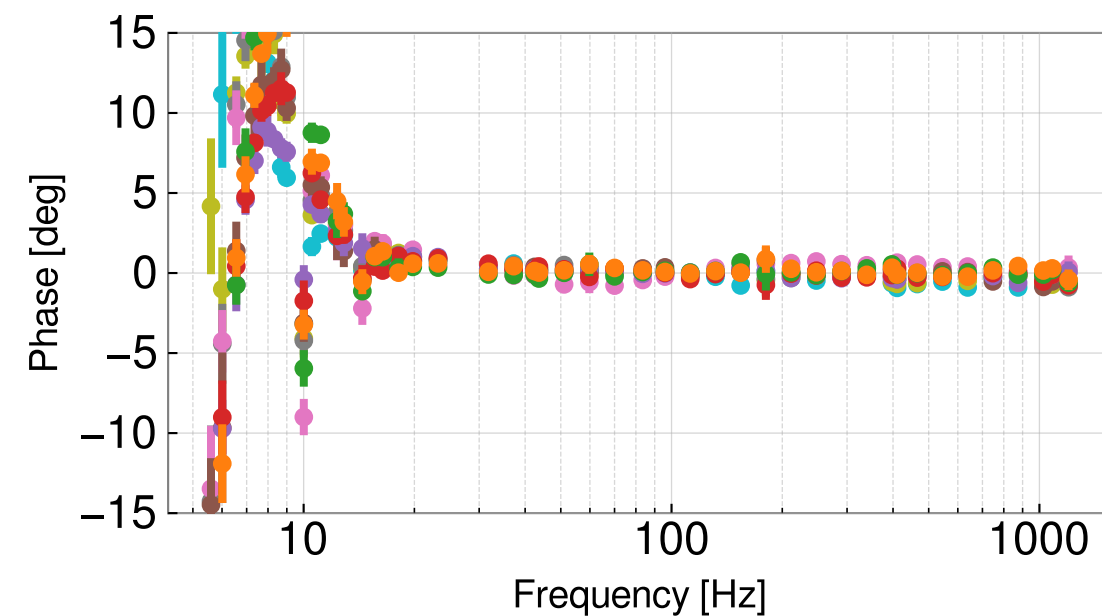
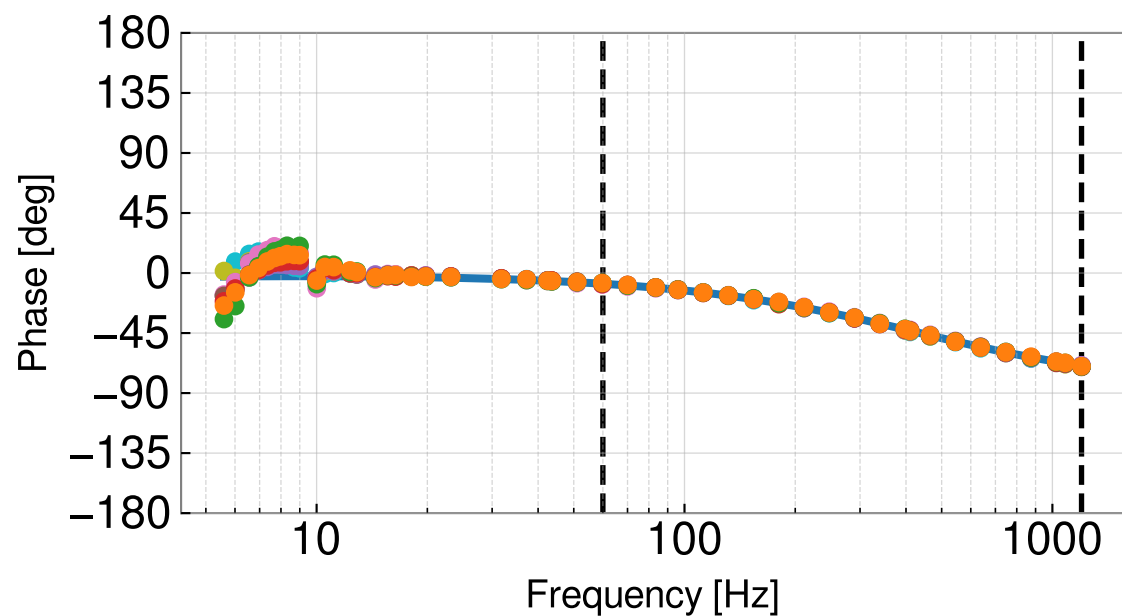
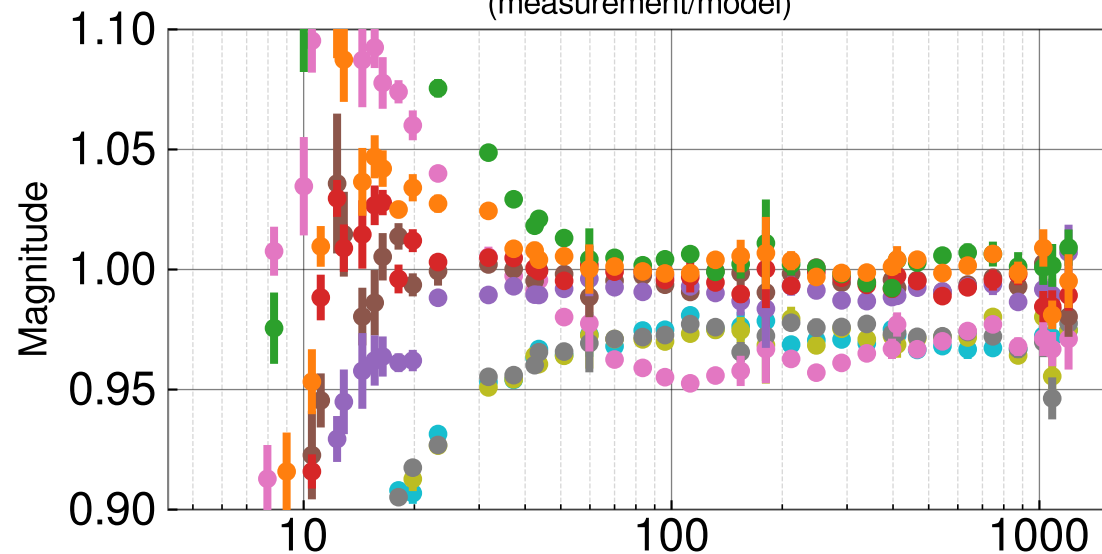
All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20230510T062635Z/pydarm_H1.ini`



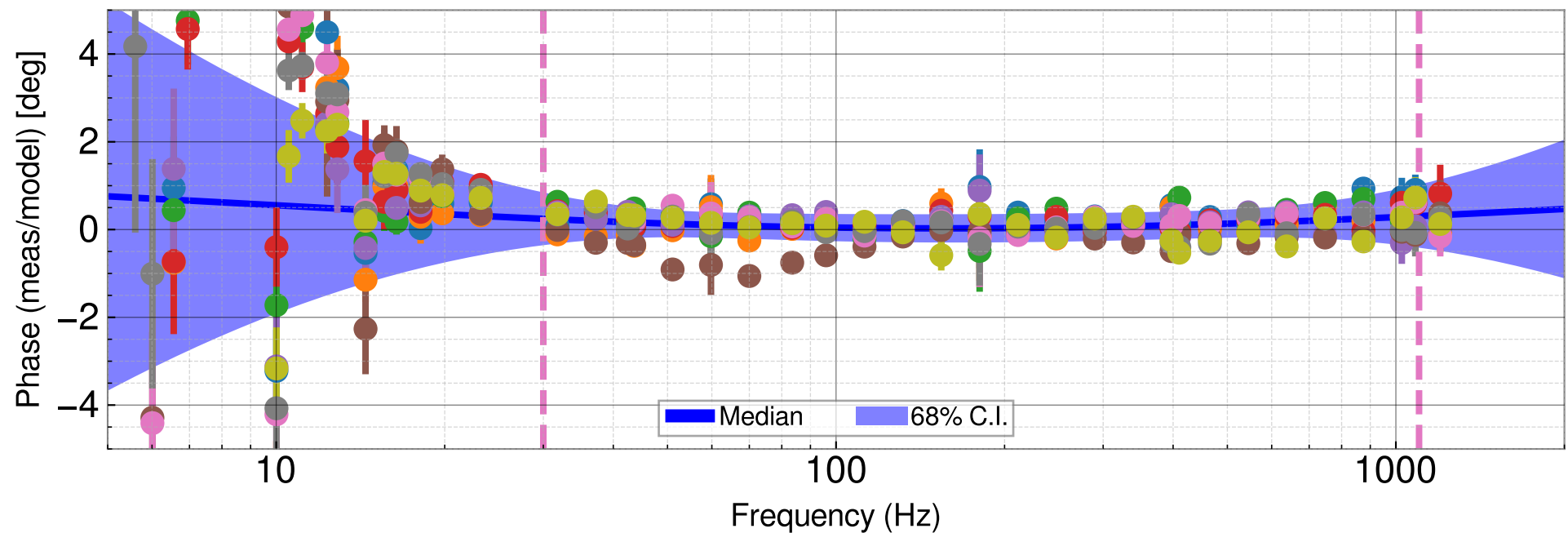
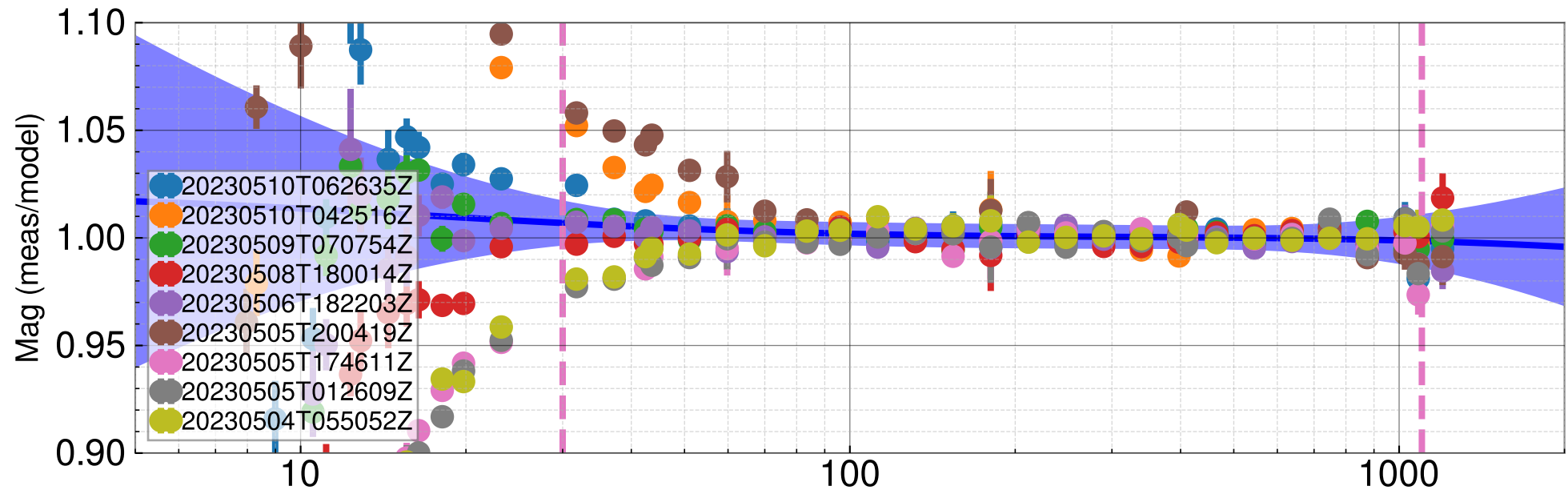
Optical response transfer functions
(scaled by $1/C_R$)



Optical response residuals
(measurement/model)



Sensing GPR

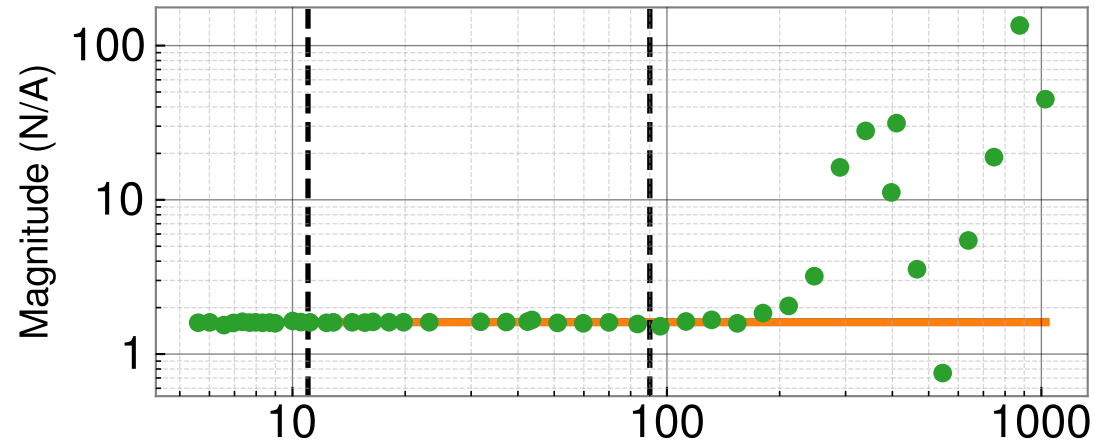


H1SUSEX L1 actuation model MCMC summary

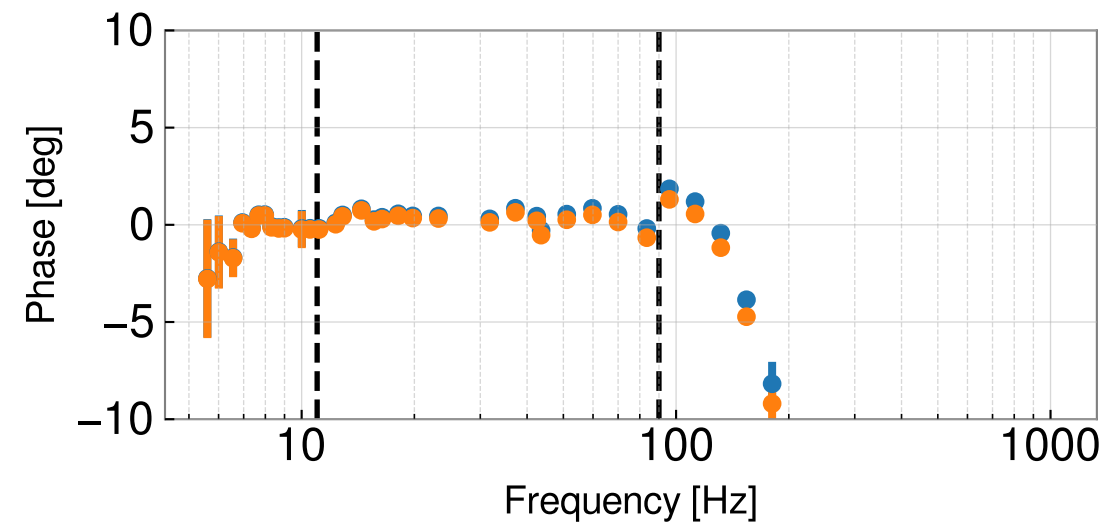
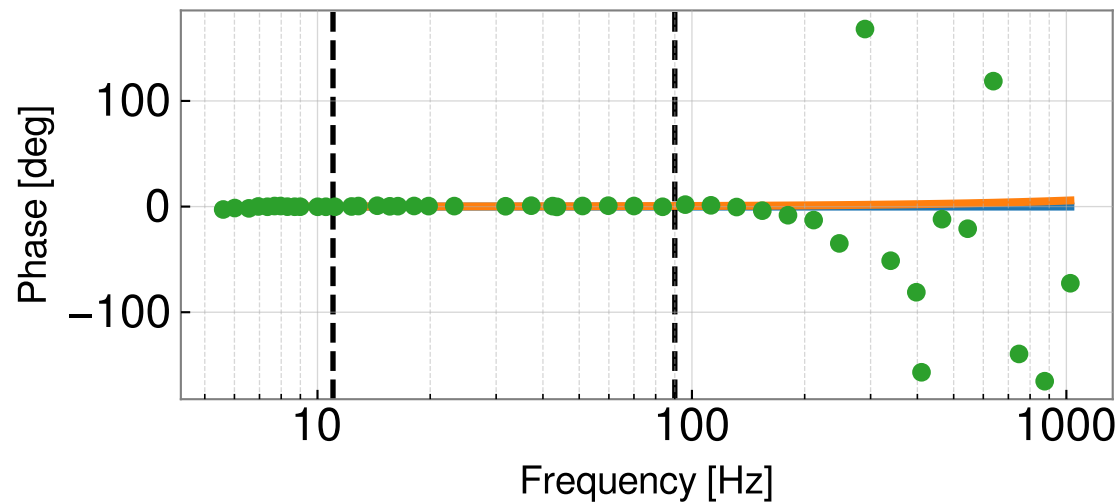
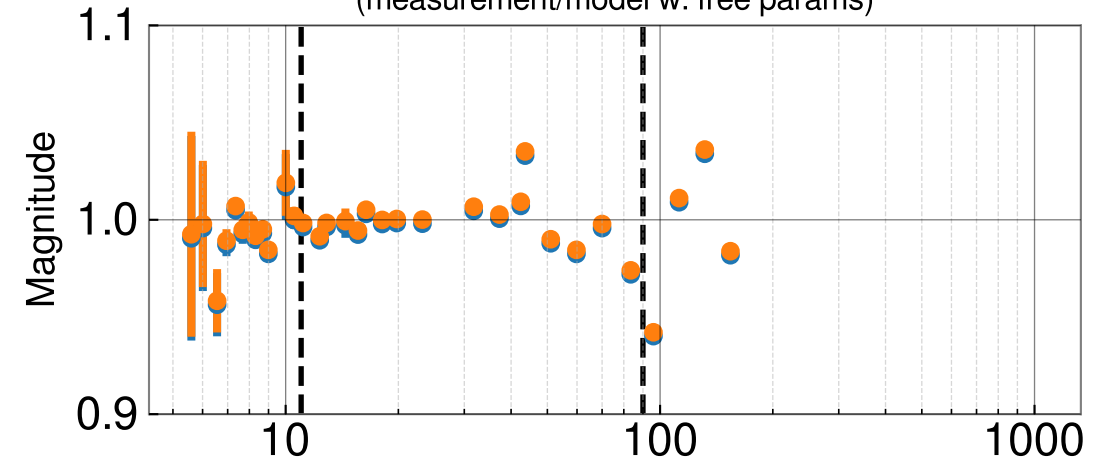
All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20230510T062635Z/pydarm_H1.ini`



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

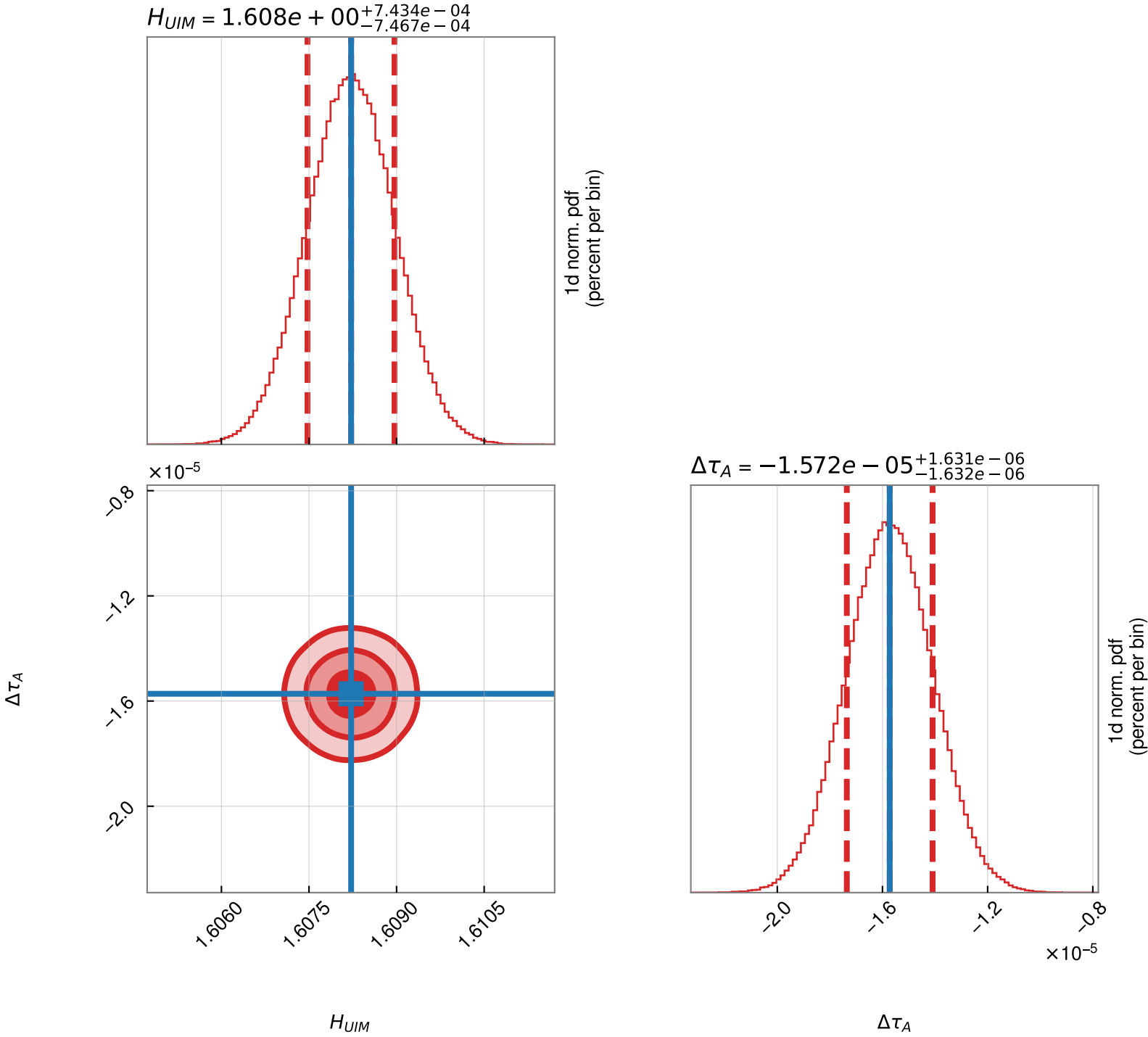
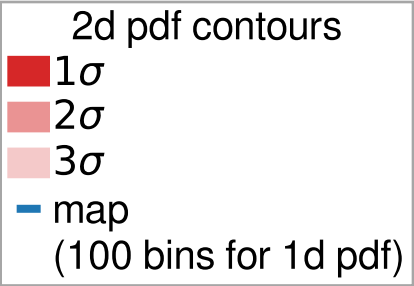


Actuation strength residuals
(measurement/model w. free params)



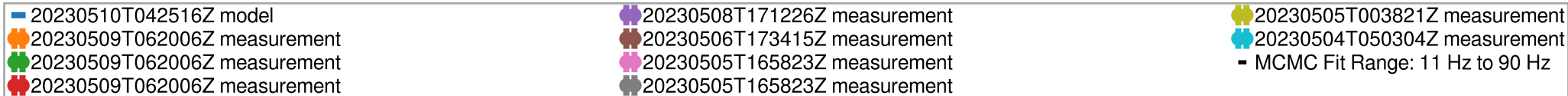
Parameter	(value +/-) value	+	-
Actuation Gain, Hau (N/A)	1.608	0.0007434 (0.05%)	0.0007467 (0.05%)
Residual time delay, tau_A (s)	-1.572e-05	1.631e-06 (-10.37%)	1.632e-06 (-10.38%)

20230509T062006Z EX L1 actuation
MCMC corner plot

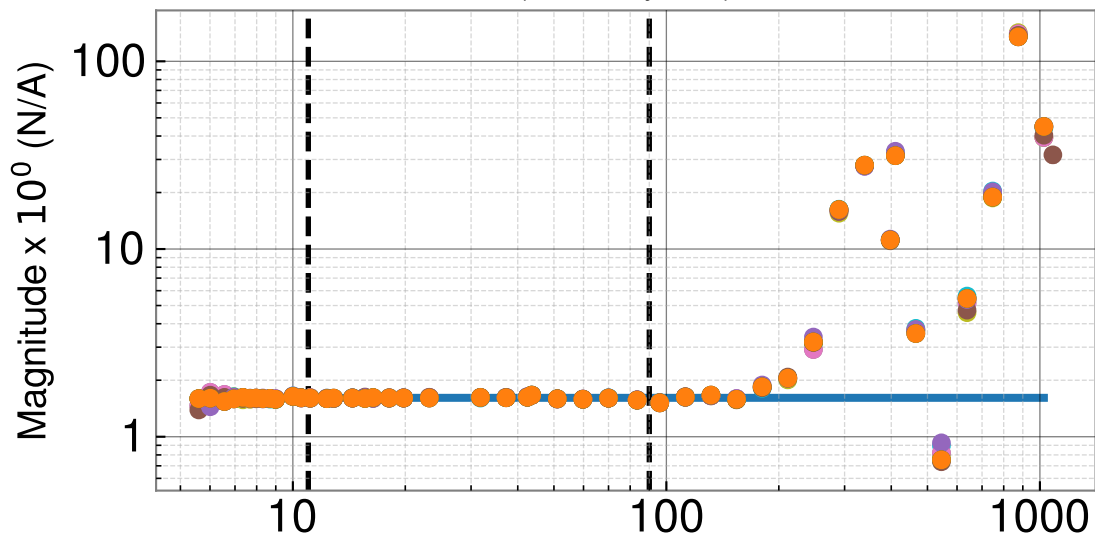


H1 SUSEX L1 actuation model history

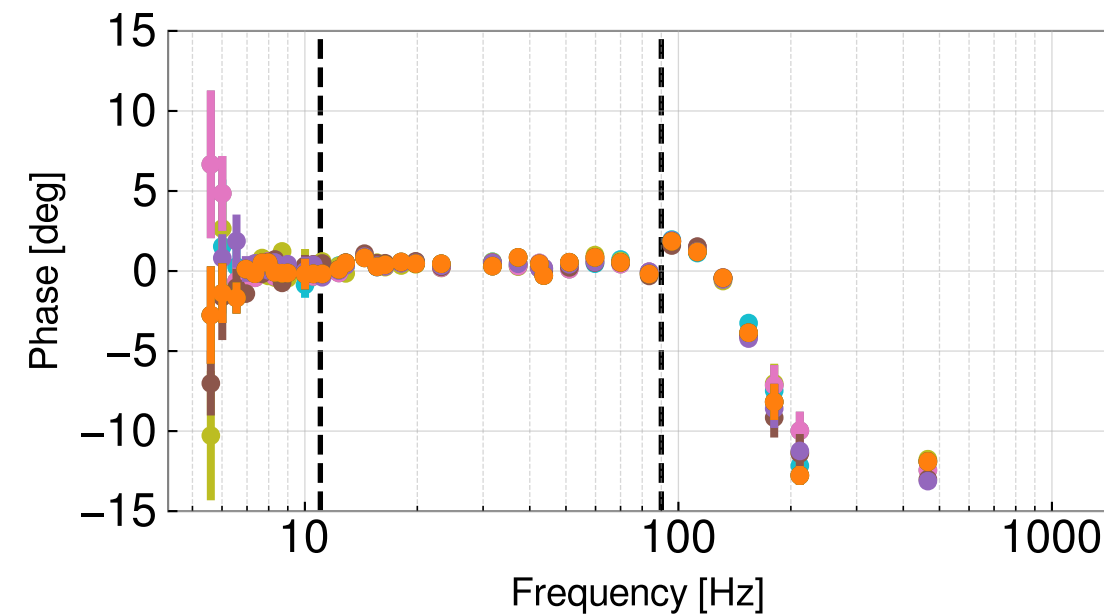
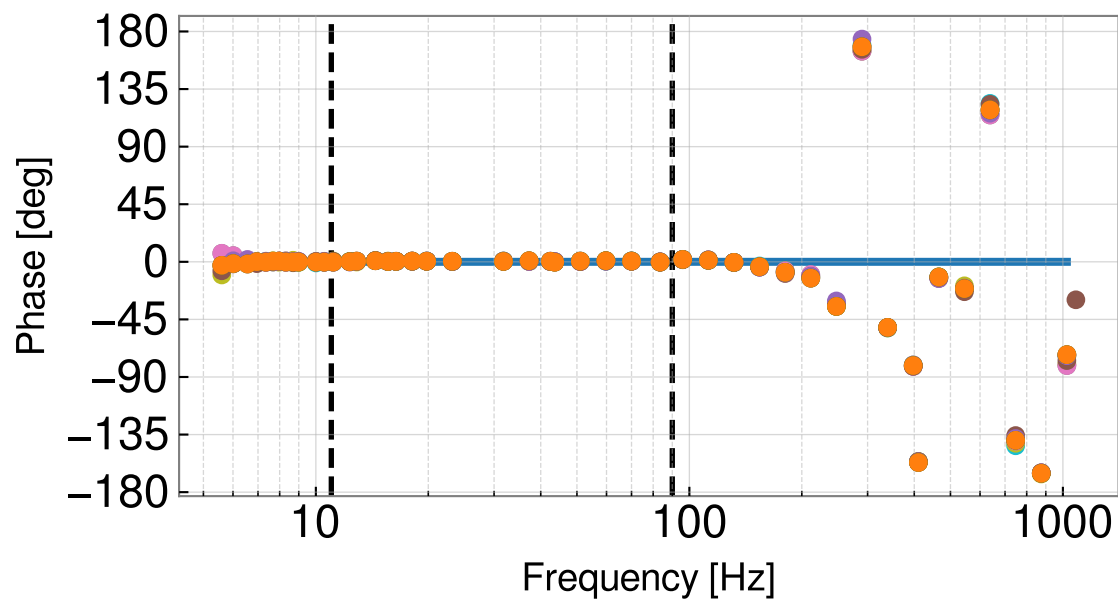
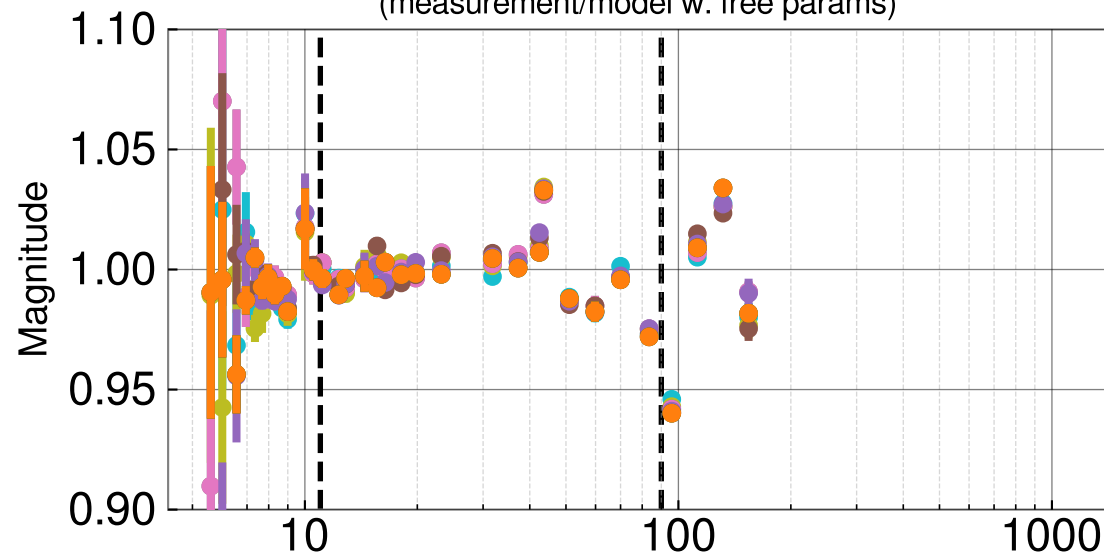
All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20230510T062635Z/pydarm_H1.ini`



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

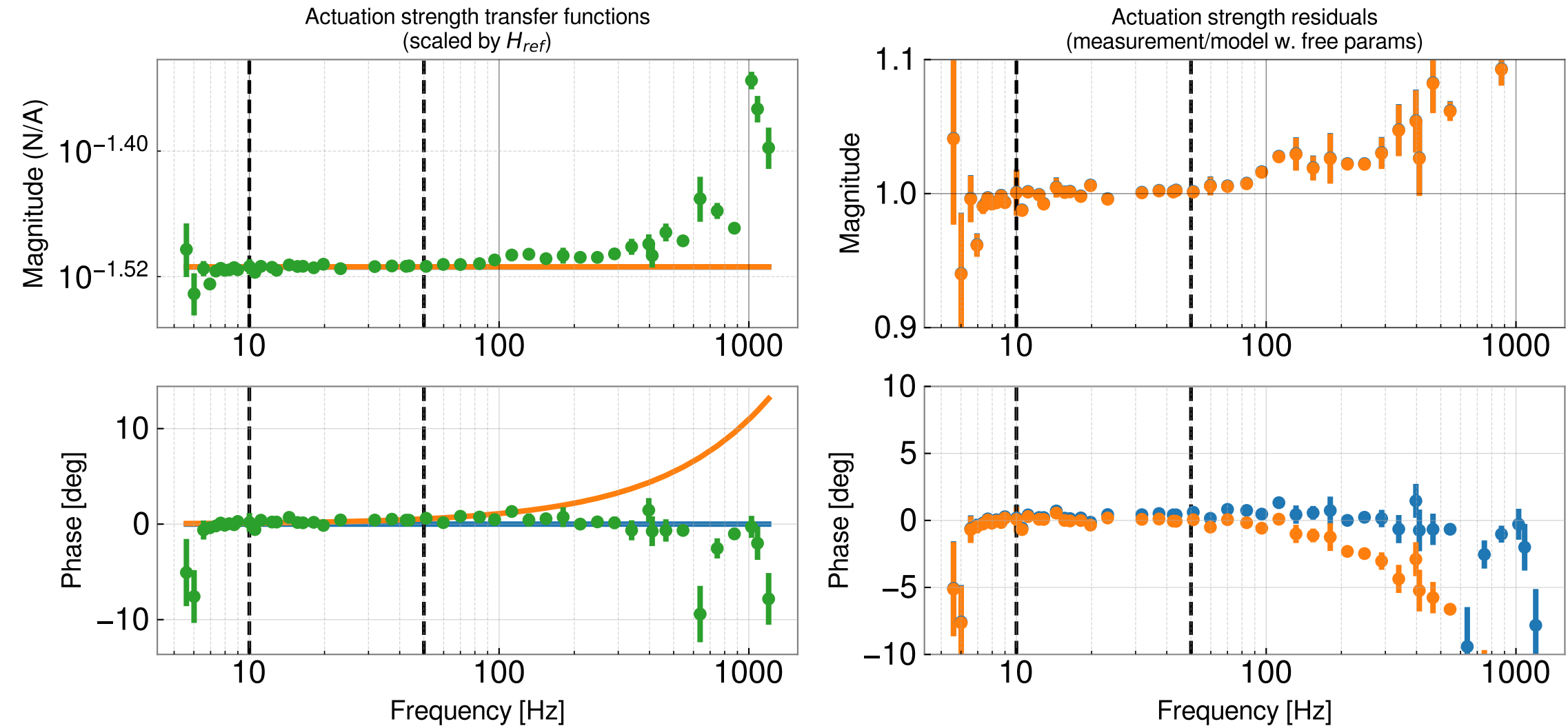
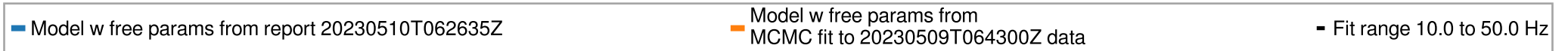


Actuation strength residuals
(measurement/model w. free params)



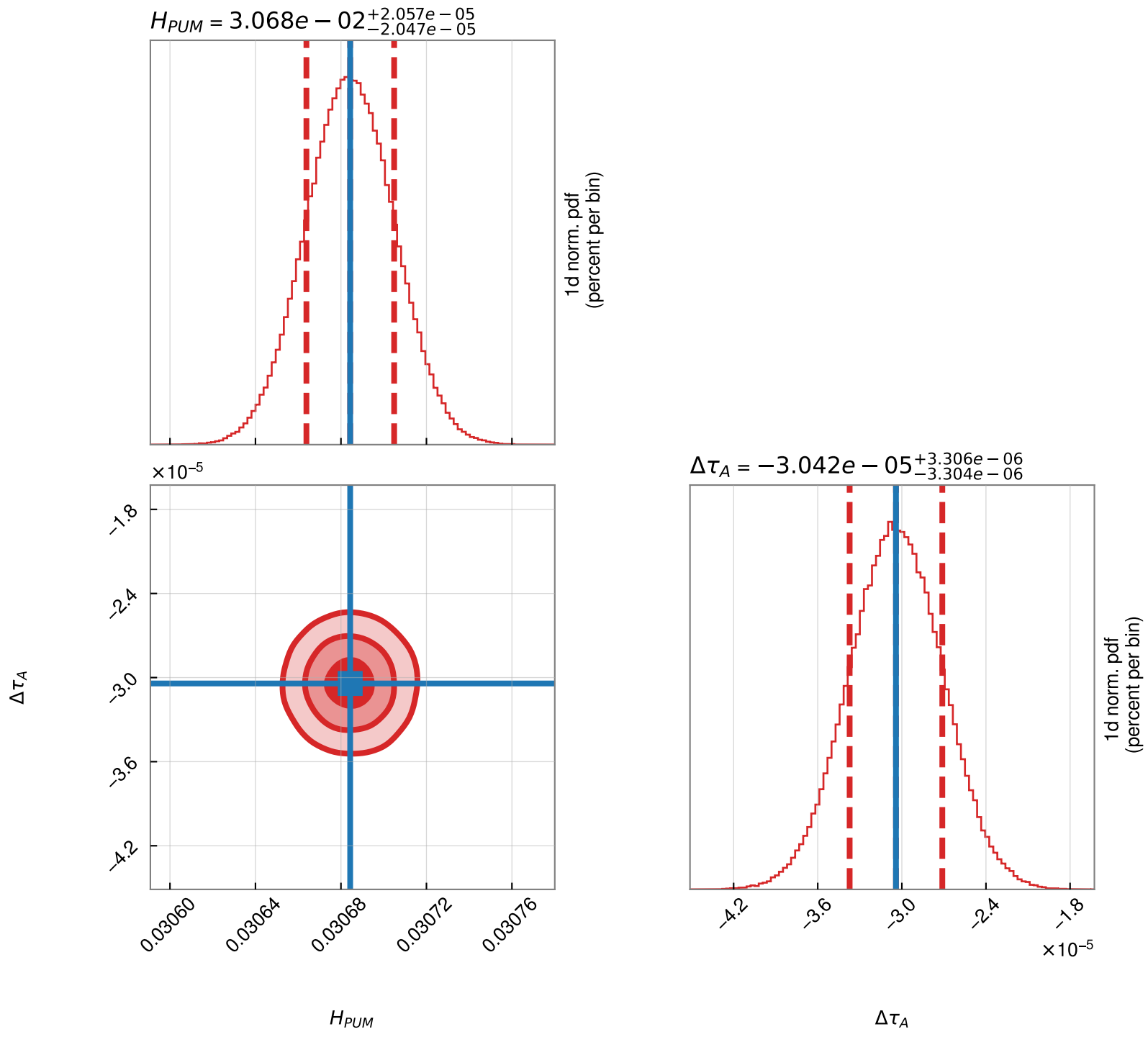
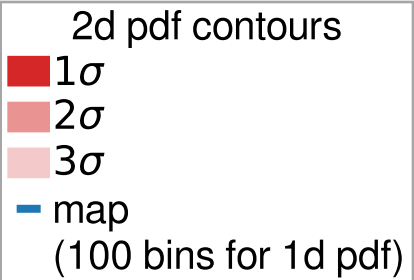
H1SUSEX L2 actuation model MCMC summary

All fixed parameters drawn from /ligo/groups/cal/H1/reports/20230510T062635Z/pydarm_H1.ini



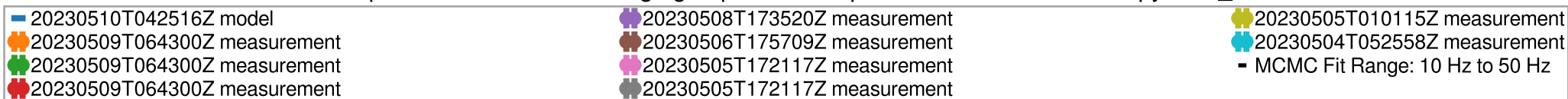
Parameter	(value +/-) value	+	-
Actuation Gain, Hap (N/A)	0.03068	2.057e-05 (0.07%)	2.047e-05 (0.07%)
Residual time delay, tau_A (s)	-3.042e-05	3.306e-06 (-10.87%)	3.304e-06 (-10.86%)

20230509T064300Z EX L2 actuation
MCMC corner plot

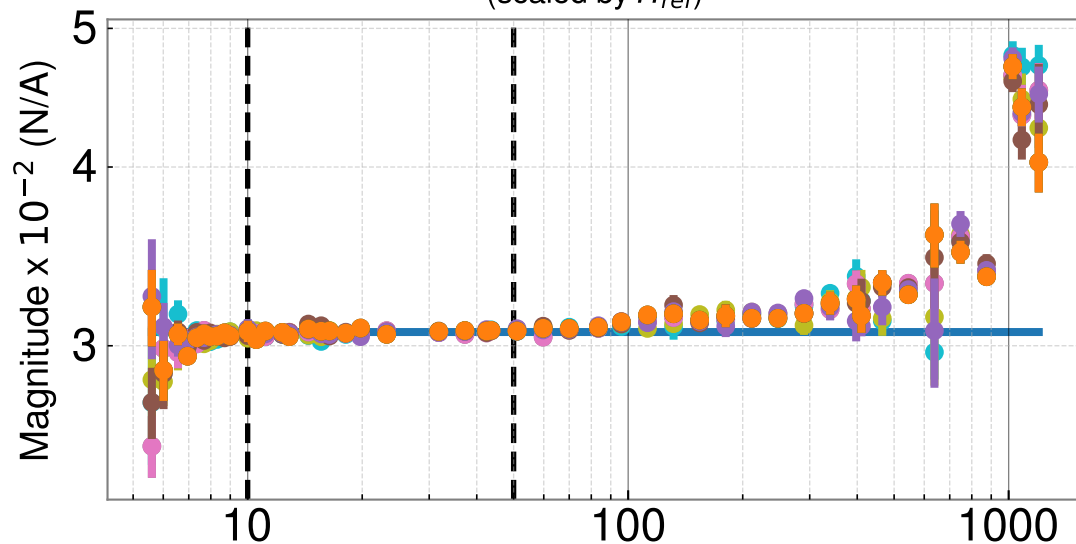


H1 SUSEX L2 actuation model history

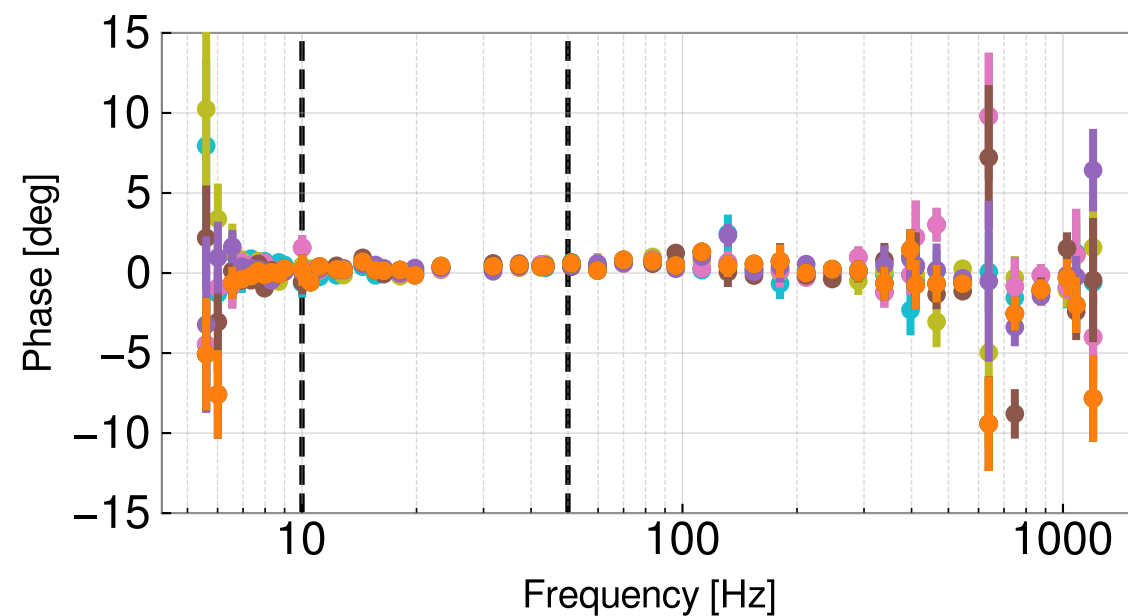
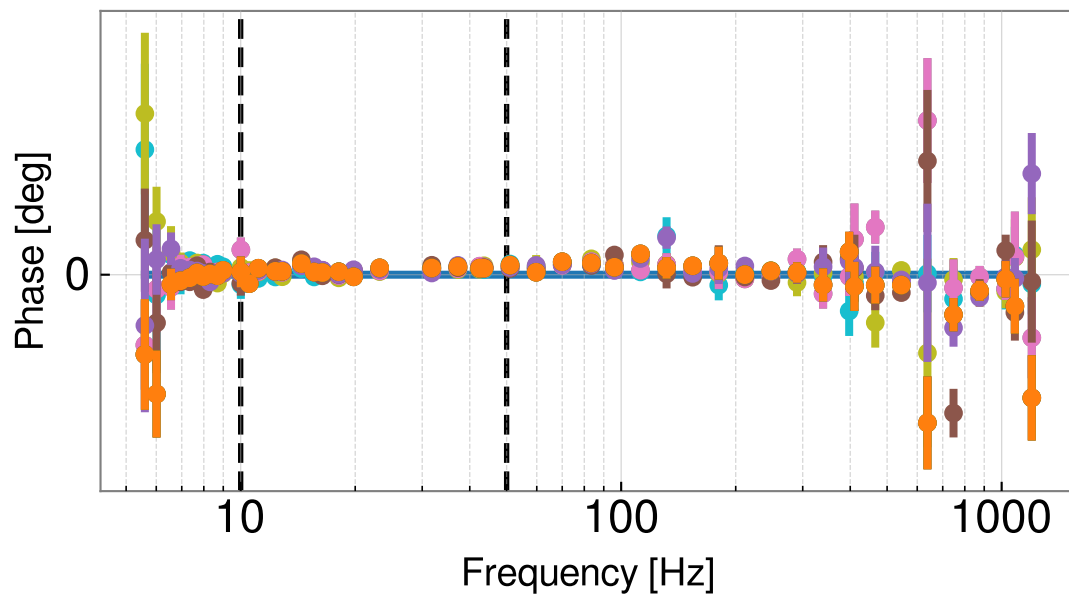
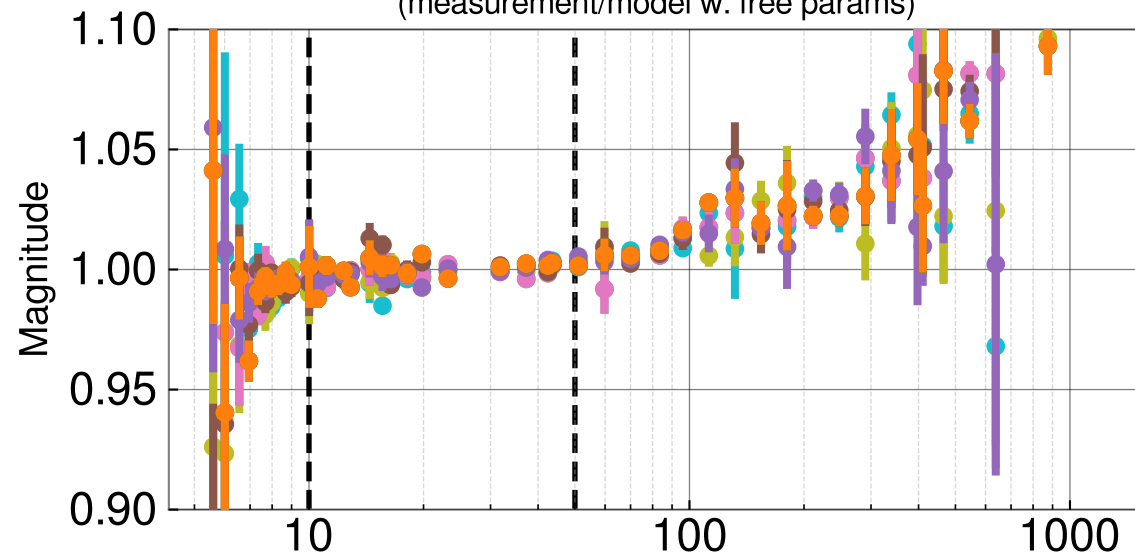
All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20230510T062635Z/pydarm_H1.ini`



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

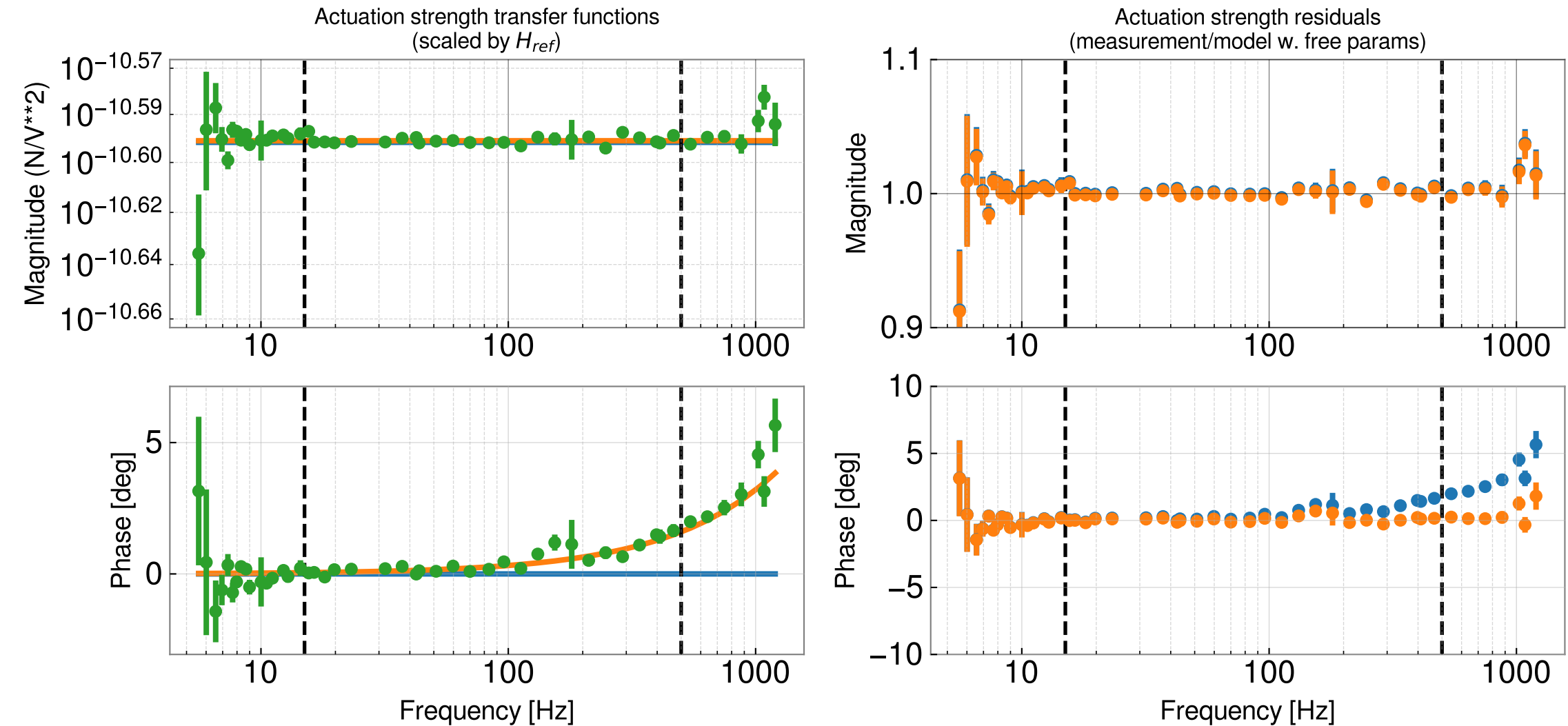
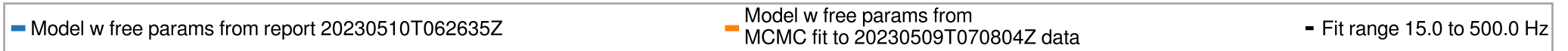


Actuation strength residuals
(measurement/model w. free params)



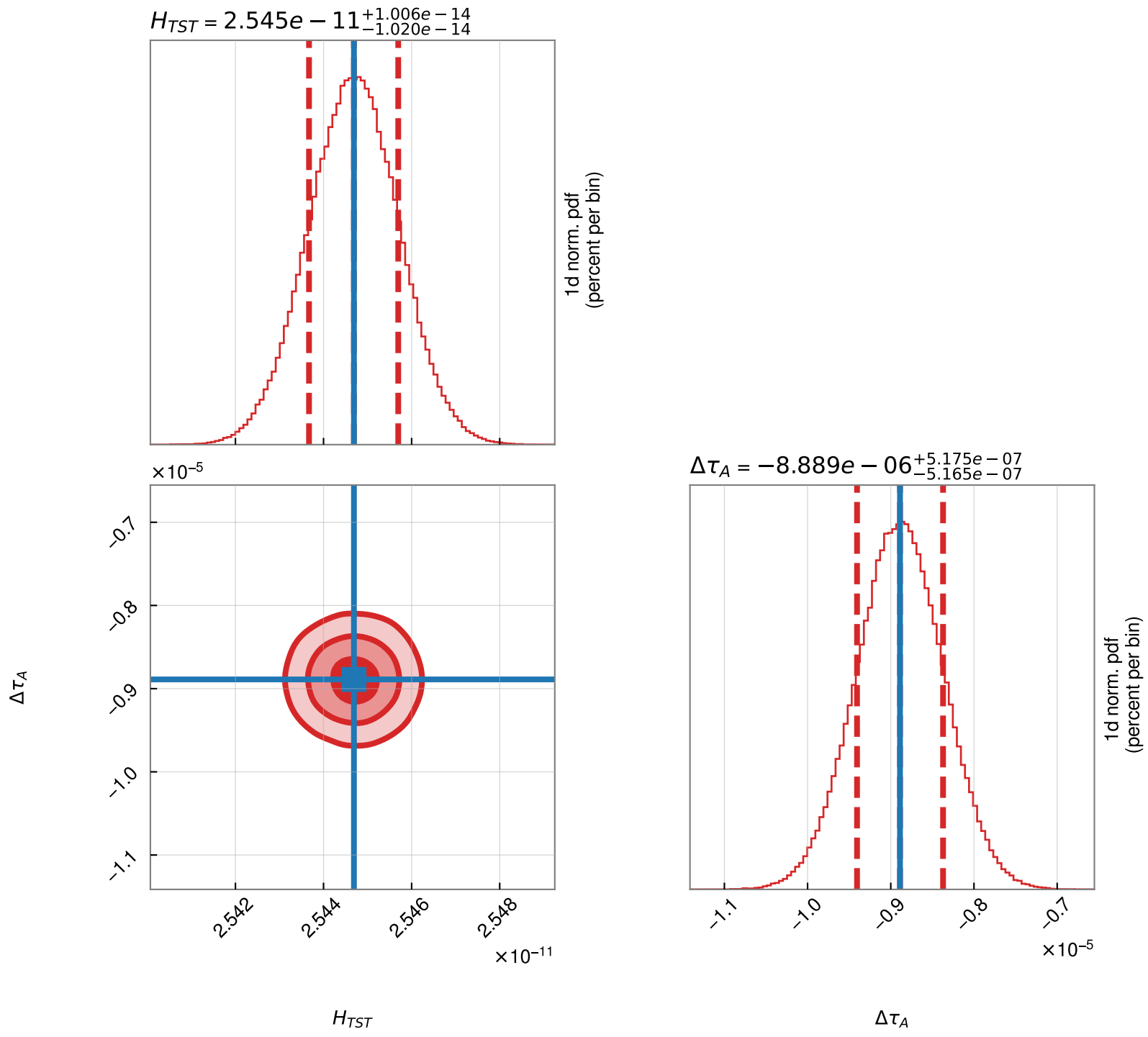
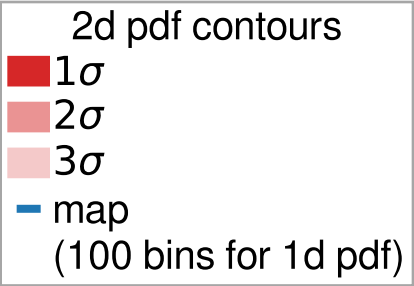
H1SUSEX L3 actuation model MCMC summary

All fixed parameters drawn from /ligo/groups/cal/H1/reports/20230510T062635Z/pydarm_H1.ini



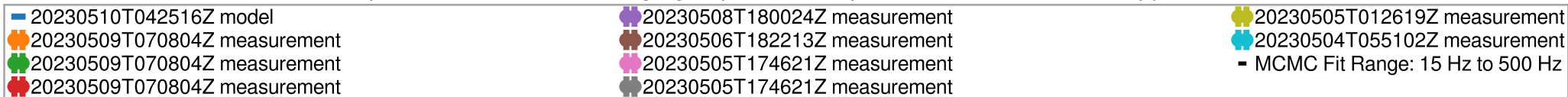
Parameter	(value +/-) value	+	-
Actuation Gain, Hat (N/V^{**2})	2.545e-11	1.006e-14 (0.04%)	1.02e-14 (0.04%)
Residual time delay, tau_A (s)	-8.889e-06	5.175e-07 (-5.82%)	5.165e-07 (-5.81%)

20230509T070804Z EX L3 actuation
MCMC corner plot

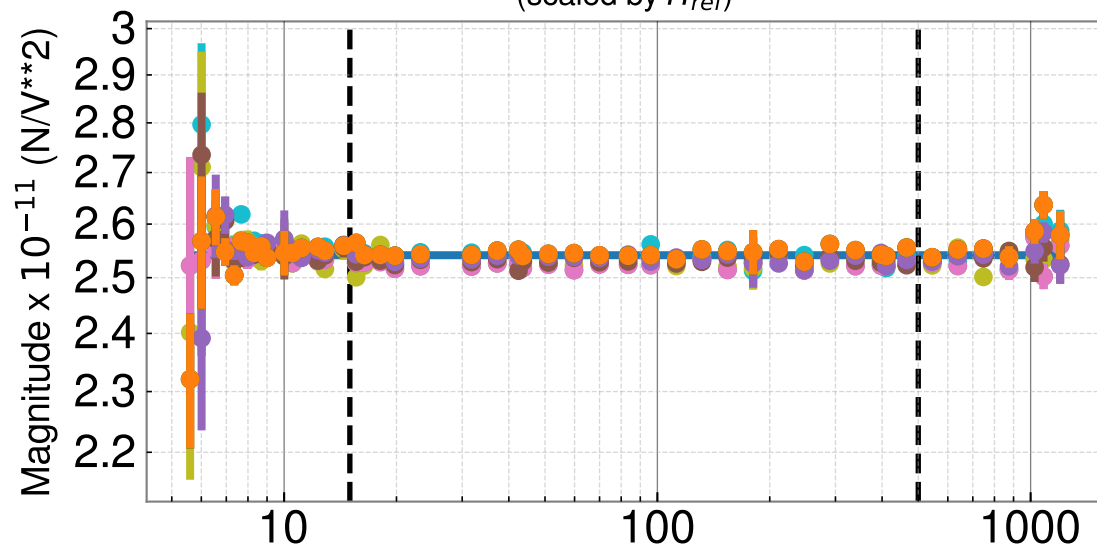


H1 SUSEX L3 actuation model history

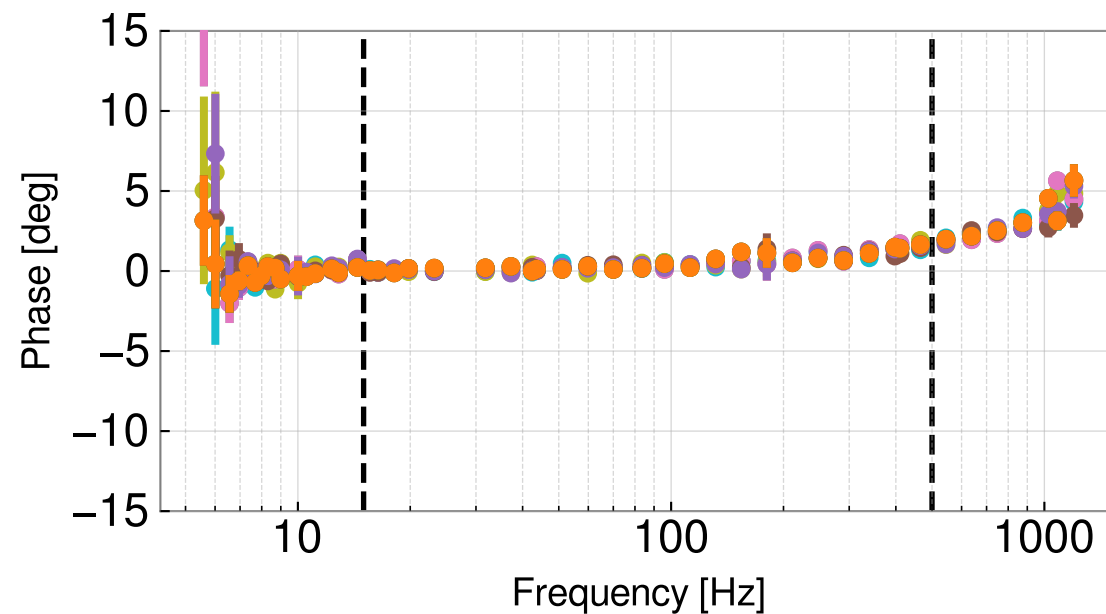
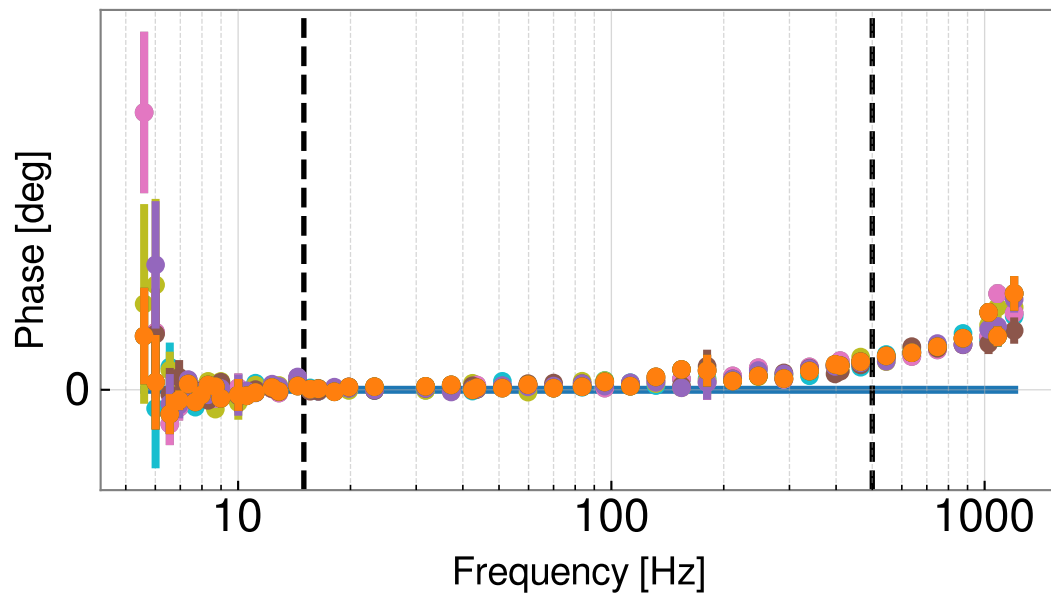
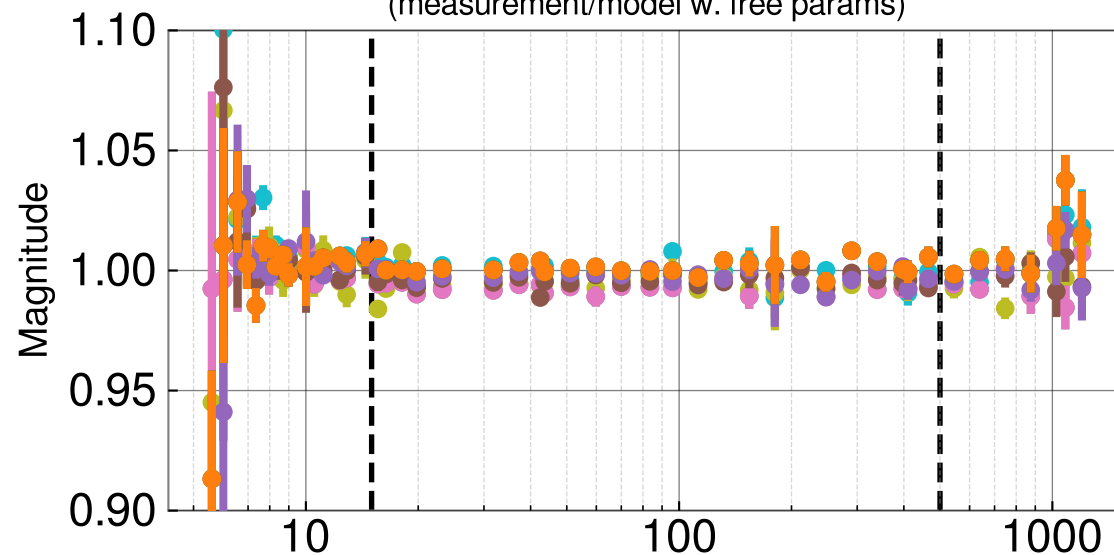
All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20230510T062635Z/pydarm_H1.ini`



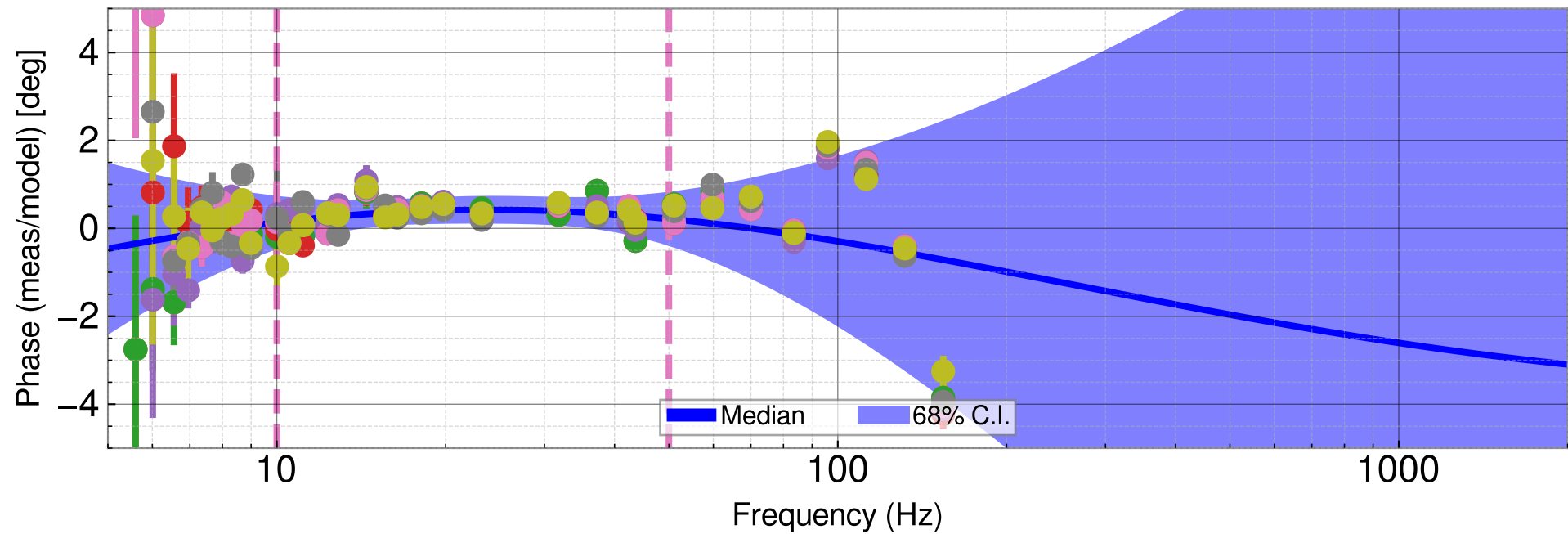
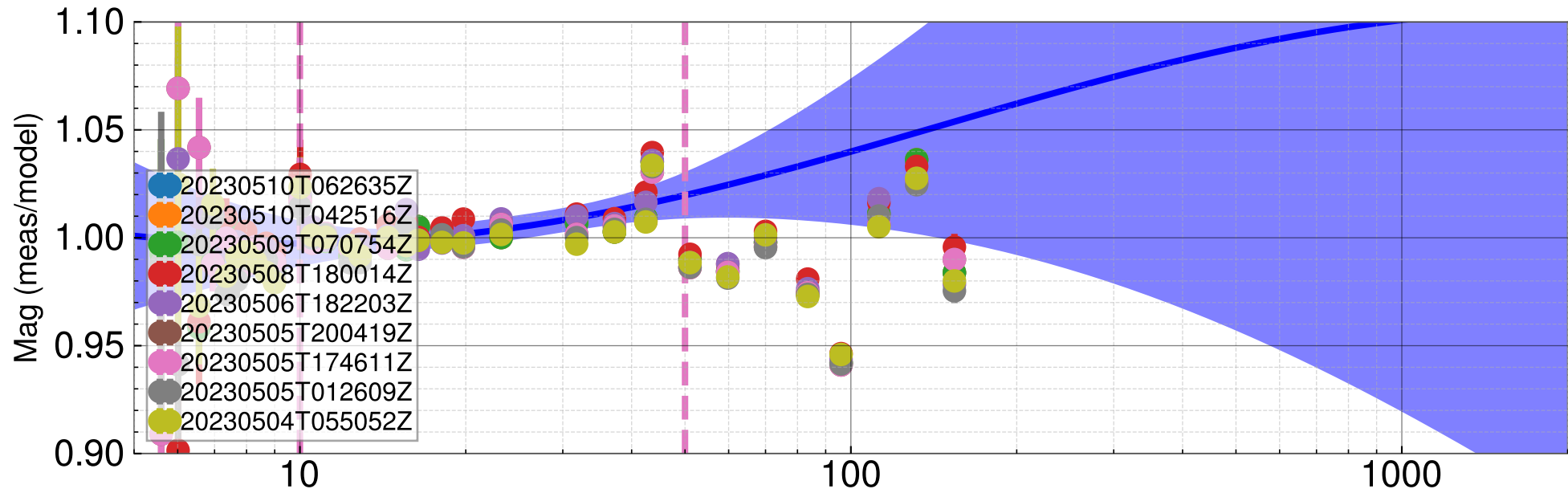
Actuation strength transfer functions
(scaled by H_{ref})



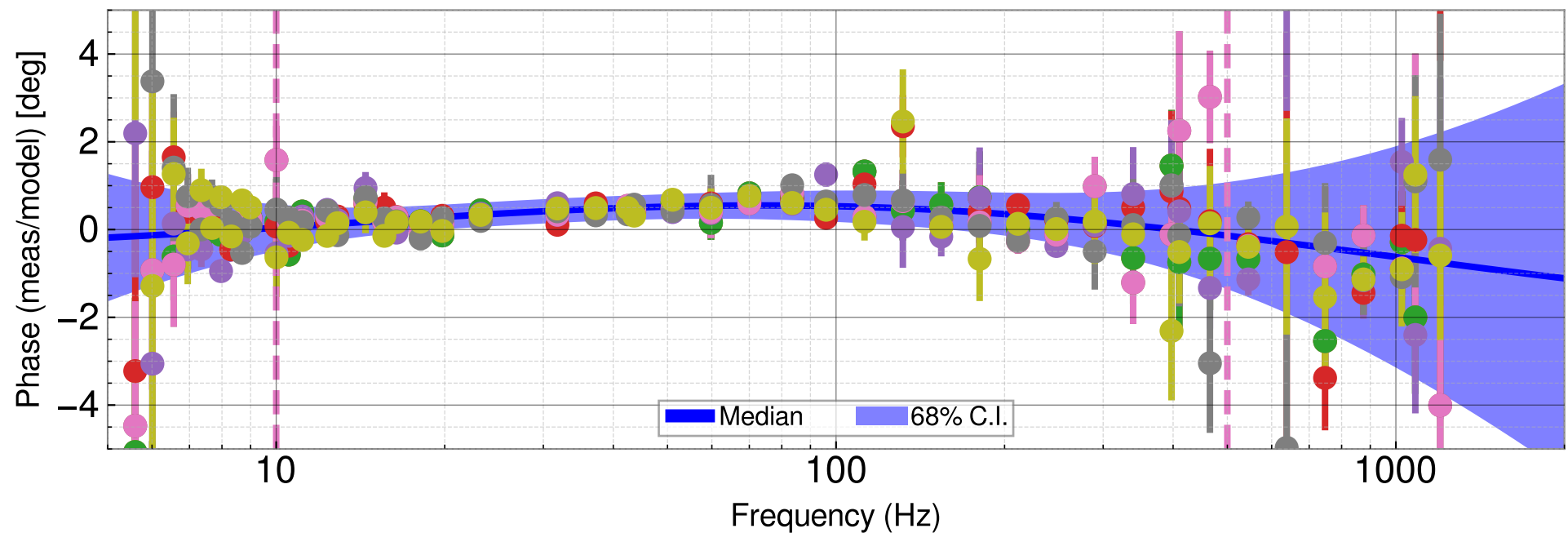
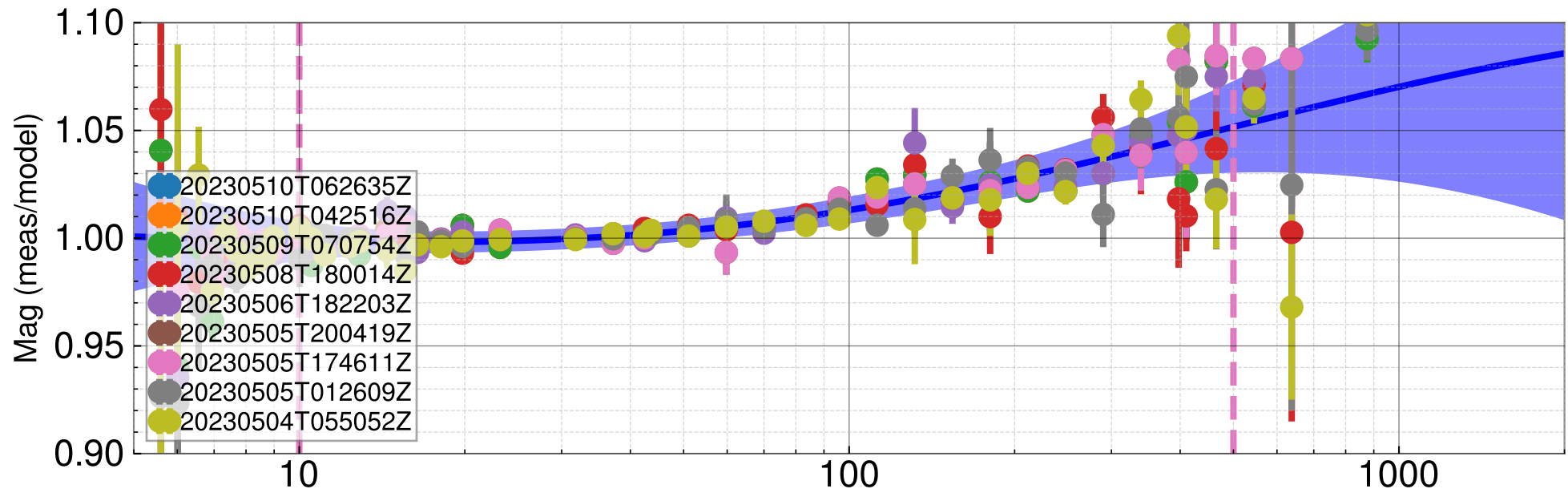
Actuation strength residuals
(measurement/model w. free params)



Actuation/L3/EX GPR



Actuation/L3/EX GPR



Actuation/L3/EX GPR

