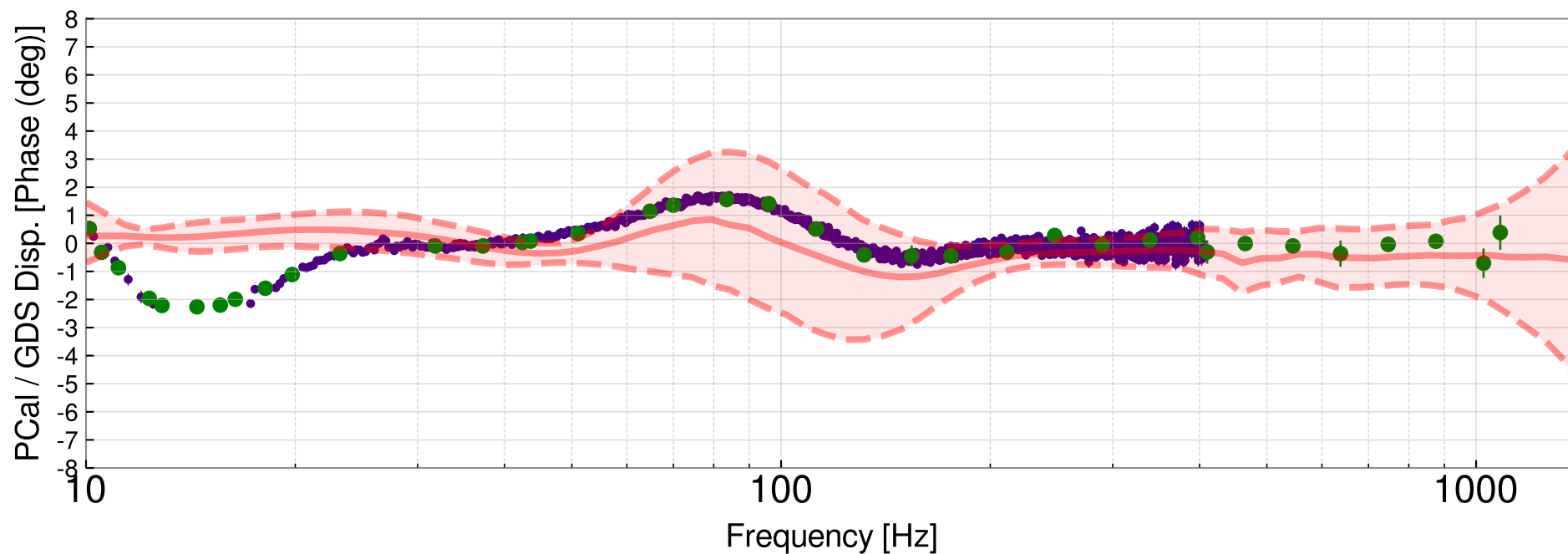
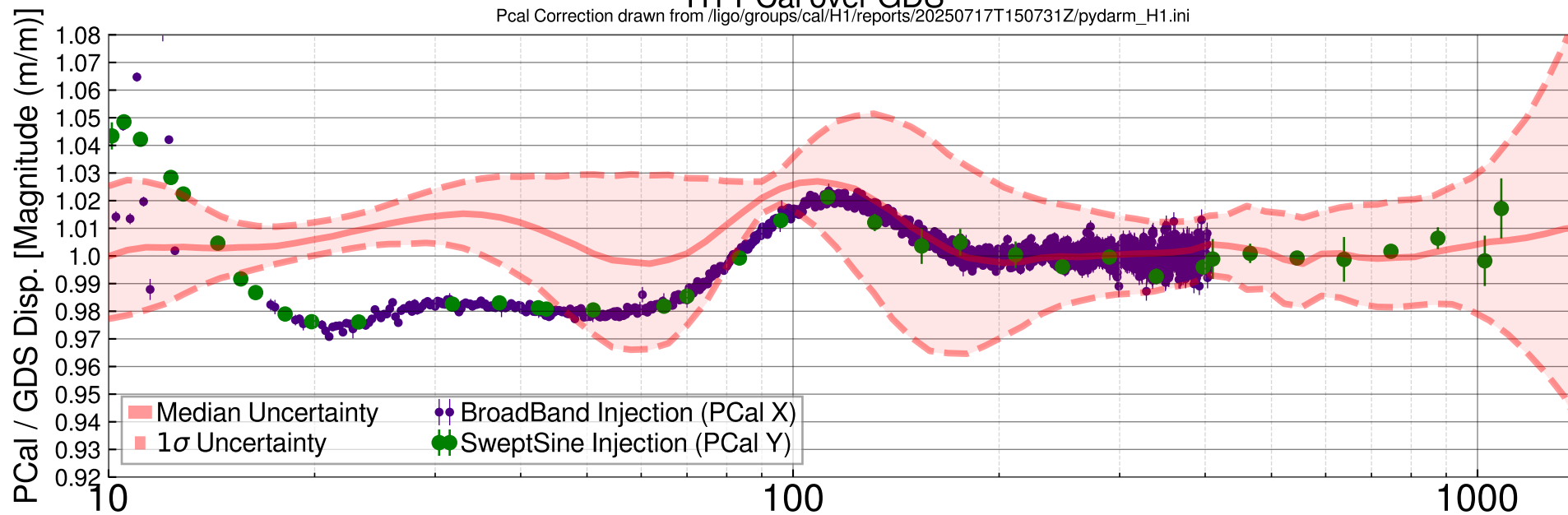


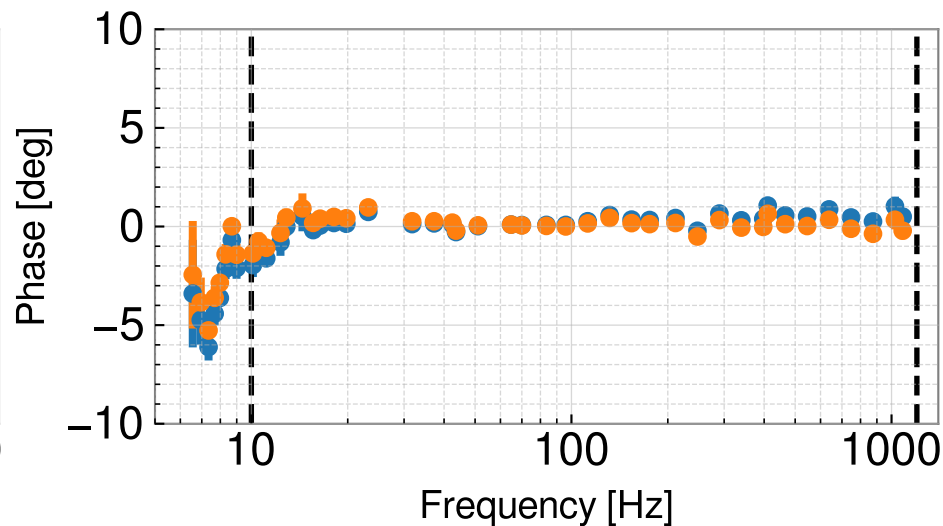
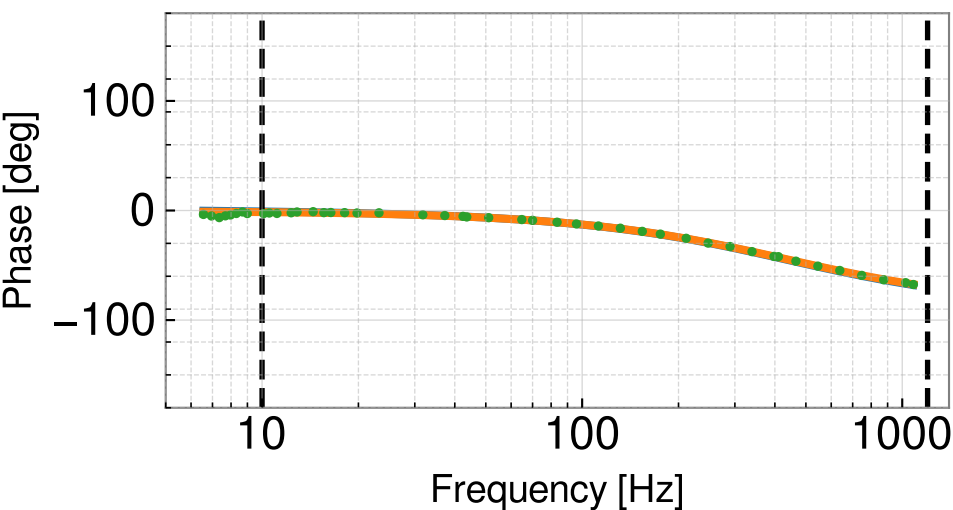
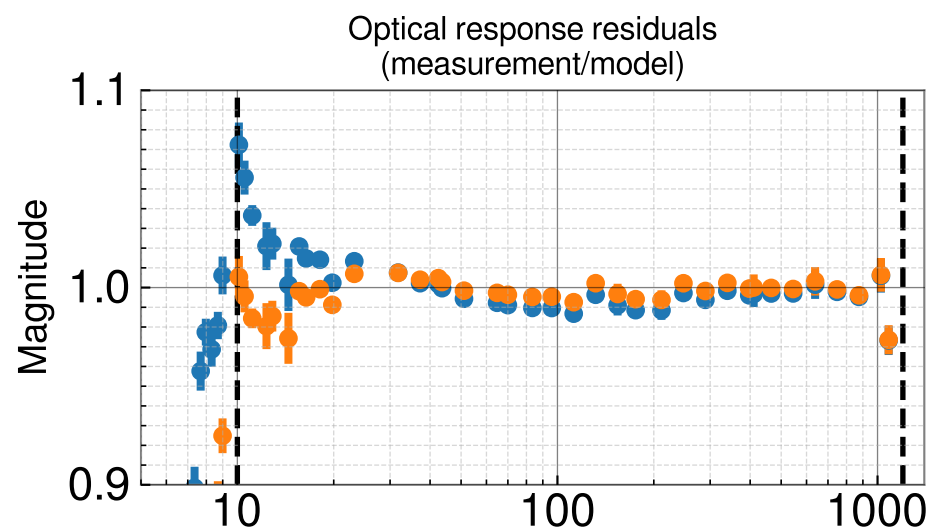
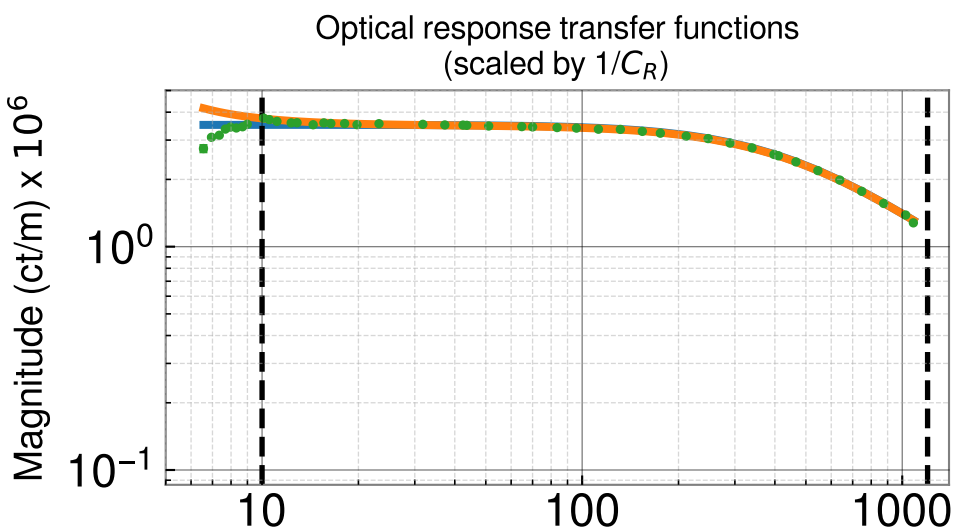
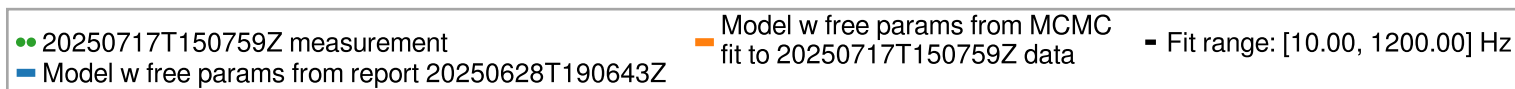
H1 PCal over GDS

Pcal Correction drawn from /ligo/groups/cal/H1/reports/20250717T150731Z/pydarm_H1.ini



H1 sensing model MCMC summary

All fixed parameters drawn from `/ligo/groups/cal/H1/reports/20250717T150731Z/pydarm_H1.ini`

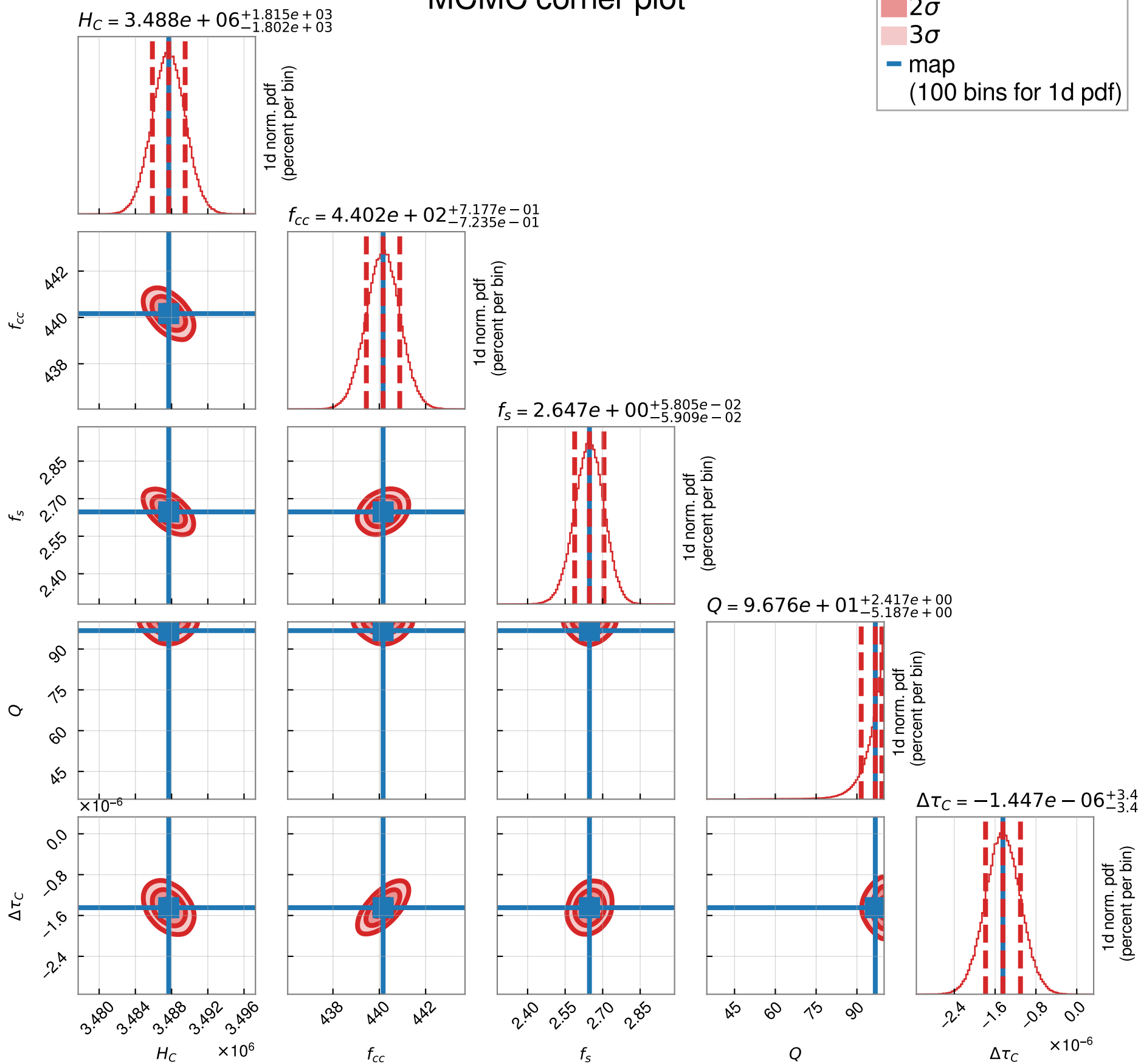


Parameter	(value +/-) value	+	-
Optical gain, H_c (ct/m)	3.488e+06	1815 (0.05%)	1802 (0.05%)
Cavity_pole, f_{cc} (Hz)	440.2	0.7177 (0.16%)	0.7235 (0.16%)
Detuned SRC spring frequency, f_s (Hz)	2.647	0.05805 (2.19%)	0.05909 (2.23%)
Detuned SRC spring quality factor, Q_s	96.76	2.417 (2.50%)	5.187 (5.36%)
Residual time delay, τ_c (s)	-1.447e-06	3.44e-07 (-23.78%)	3.4e-07 (-23.50%)

2d pdf contours

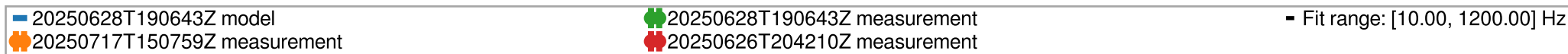
- 1σ
- 2σ
- 3σ
- map

(100 bins for 1d pdf)

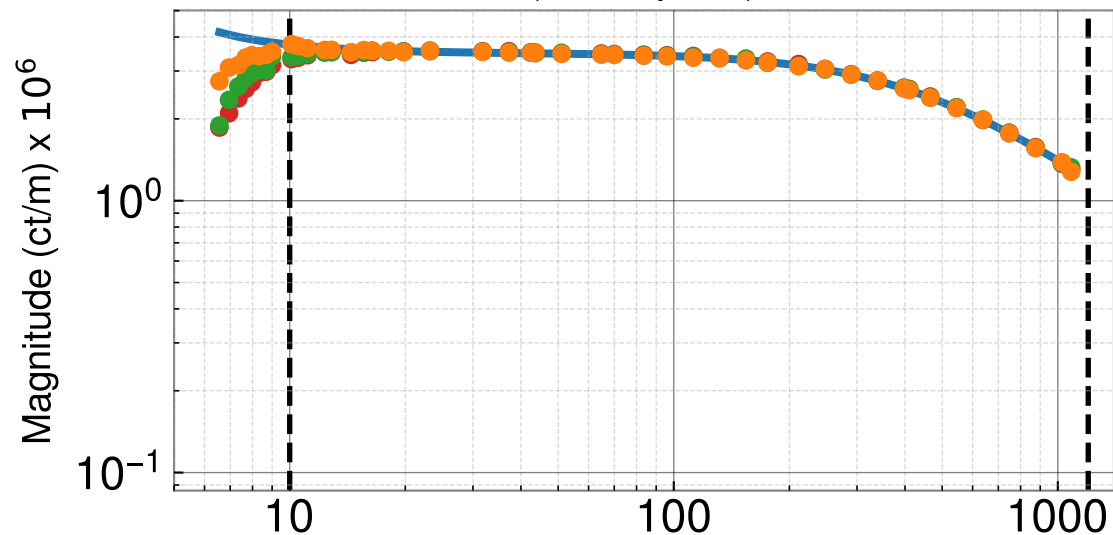


H1 sensing model history (last 9 measurements)

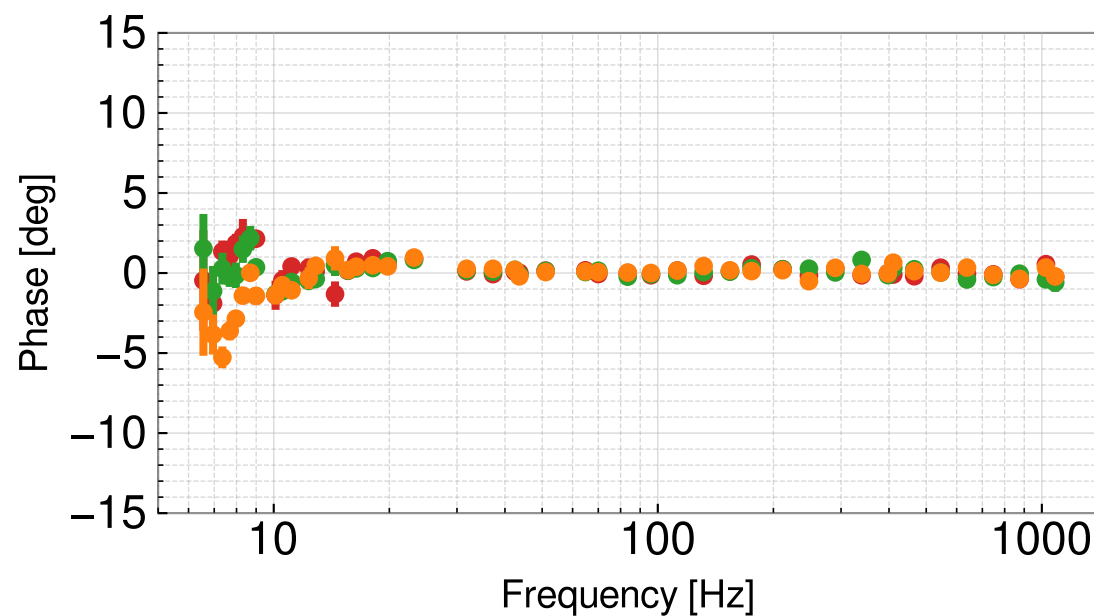
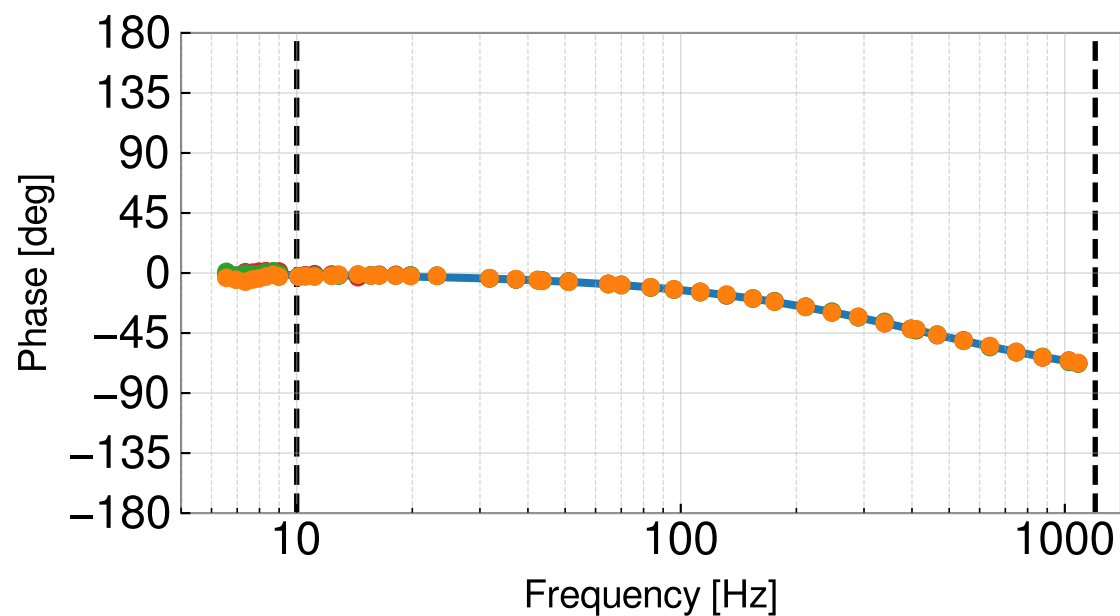
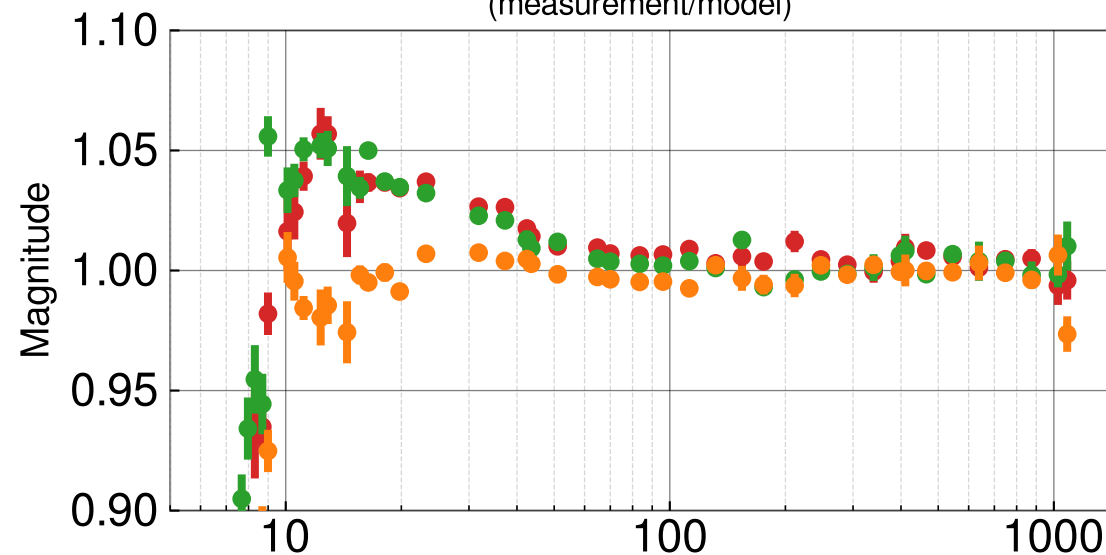
All fixed parameters drawn from /ligo/groups/cal/H1/reports/20250717T150731Z/pydarm_H1.ini



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

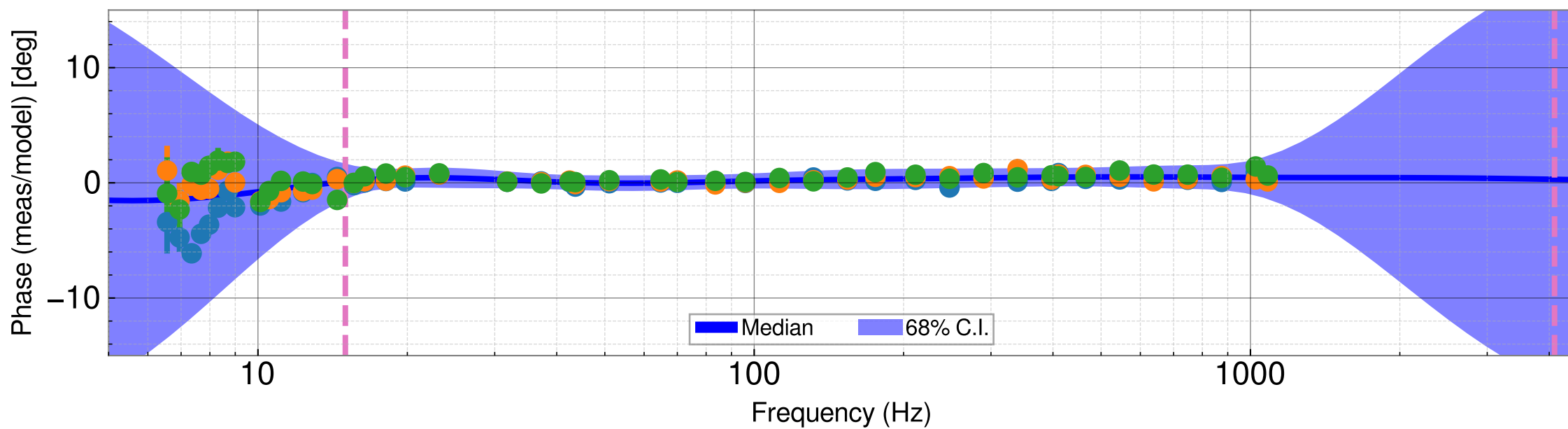
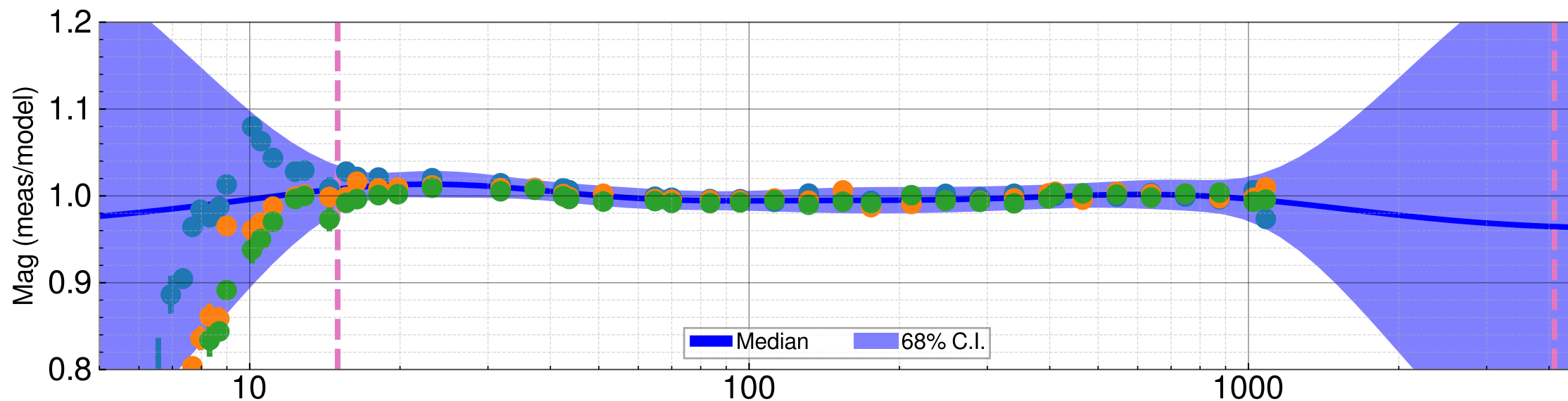


Optical response residuals
(measurement/model)



Sensing GPR

meas. 20250717T150759Z of report 20250717T150731Z meas. 20250628T190710Z of report 20250628T190643Z meas. 20250626T204238Z of report 20250626T204210Z

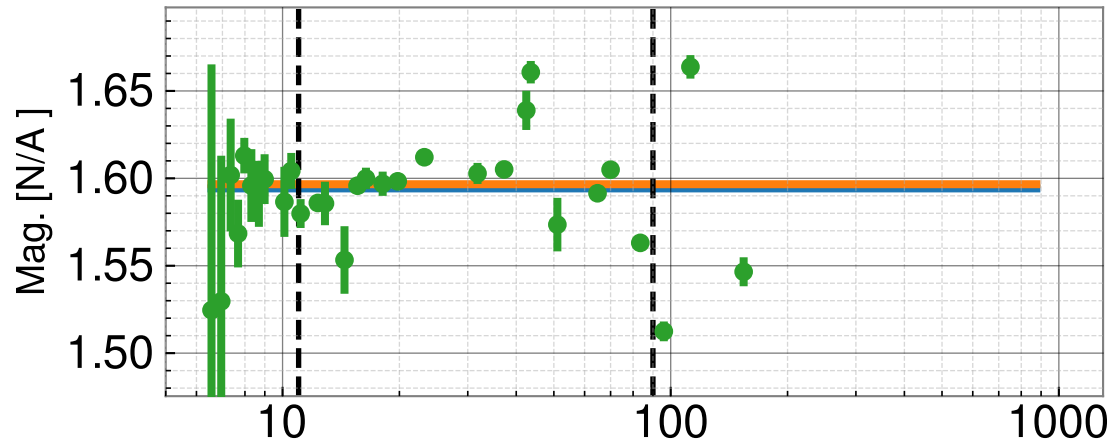


H1SUSEX L1 actuation model MCMC summary

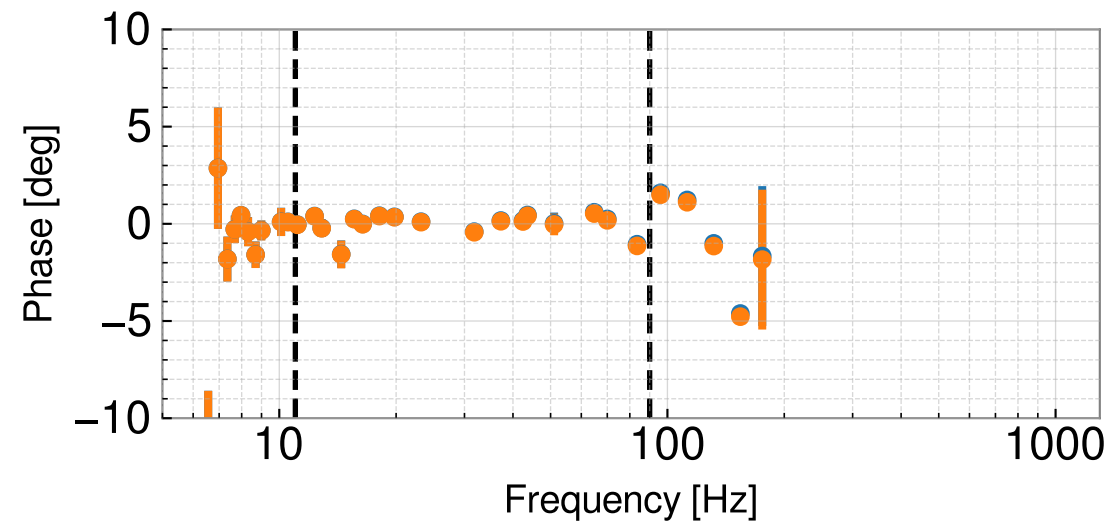
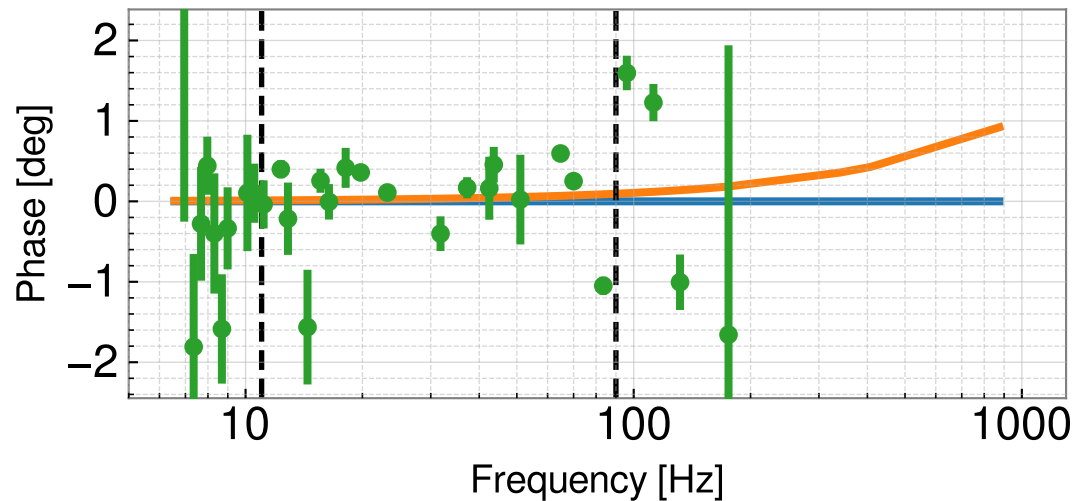
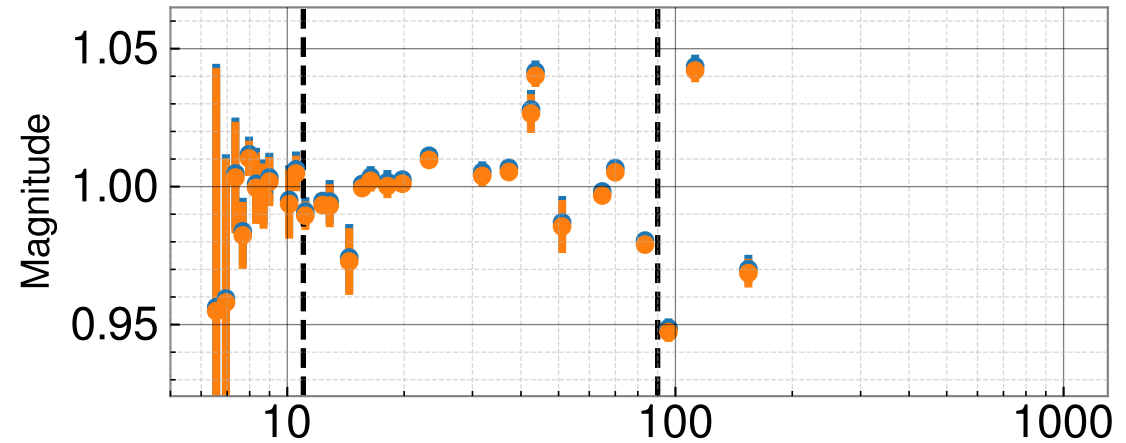
All fixed parameters drawn from /ligo/groups/cal/H1/reports/20250717T150731Z/pydarm_H1.ini



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

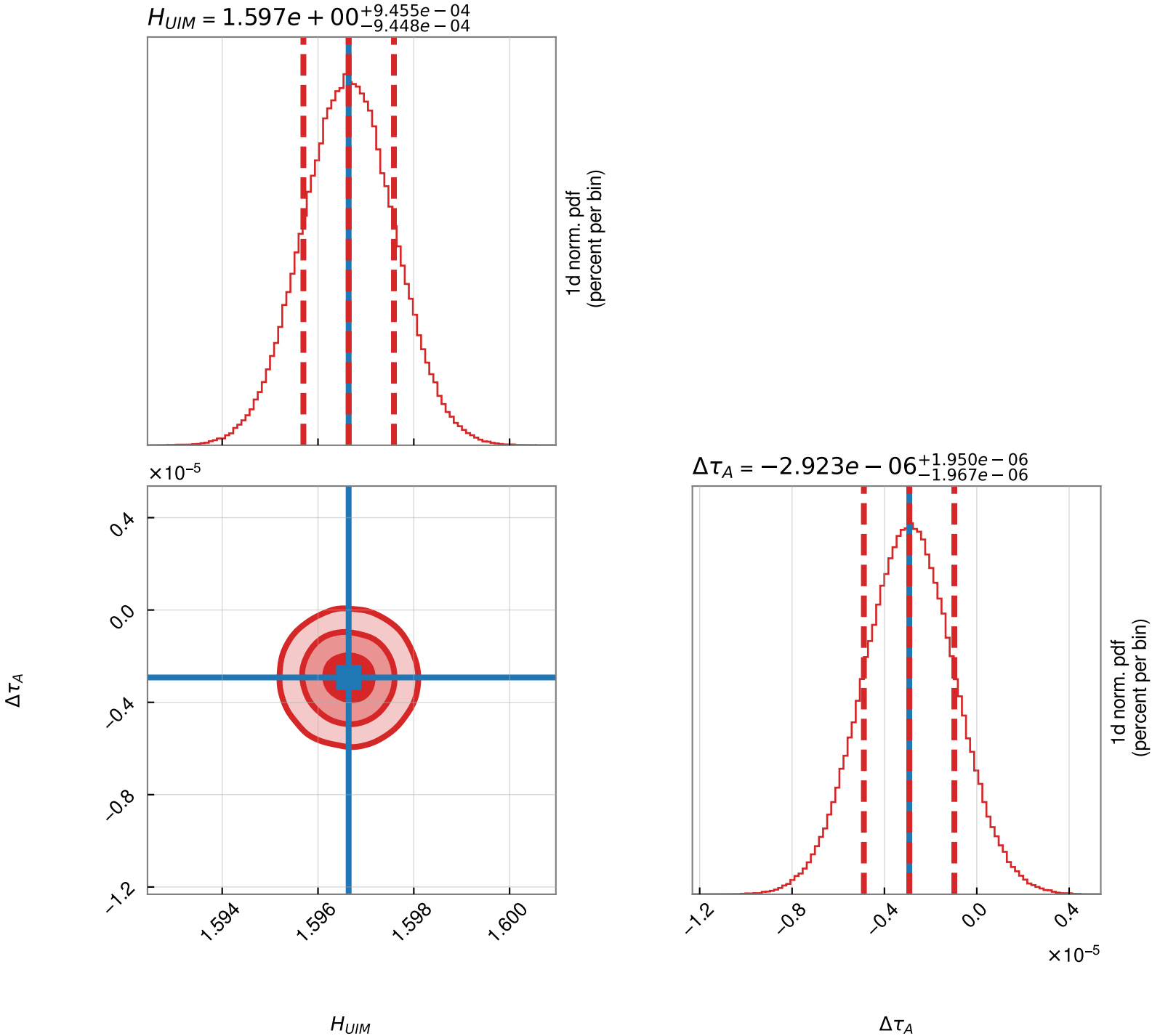
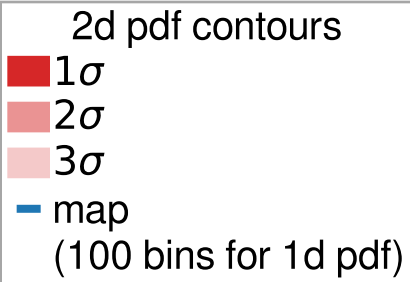


Actuation strength residuals
(meas./model w. free params)



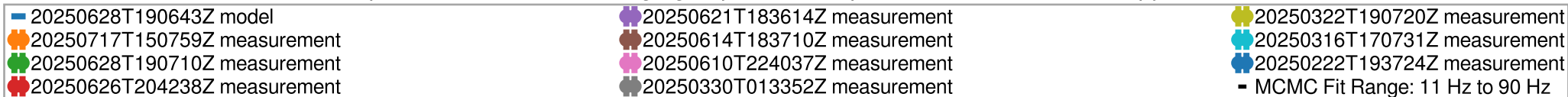
Parameter	(value +/-) value	+	-
Actuation Gain, Hau (N/A)	1.597	0.0009455 (0.06%)	0.0009448 (0.06%)
Residual time delay, tau_A (s)	-2.923e-06	1.95e-06 (-66.74%)	1.967e-06 (-67.29%)

20250717T150759Z EX L1 actuation
MCMC corner plot

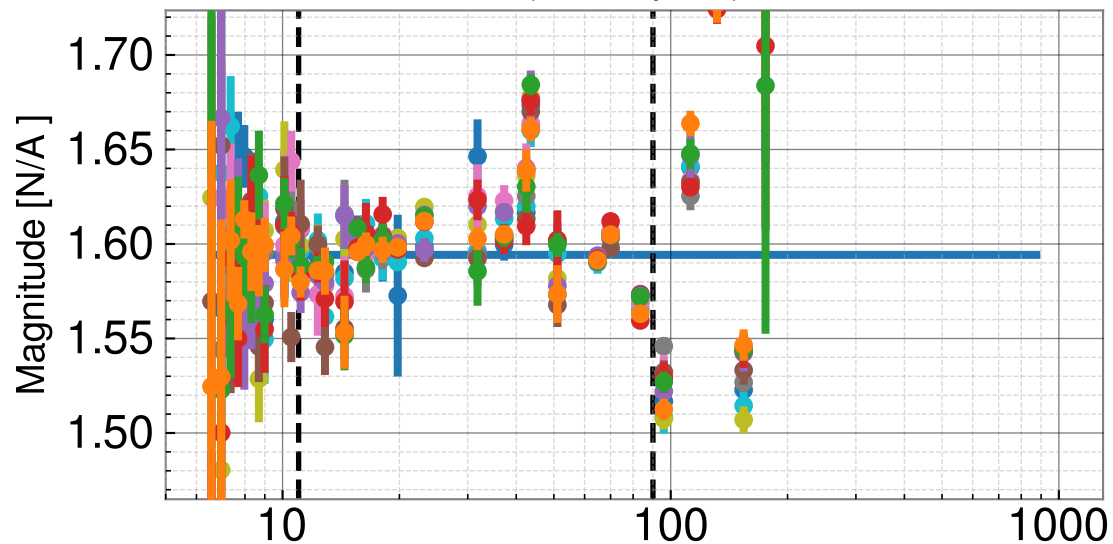


H1SUSEX L1 actuation model history (last 9 measurements)

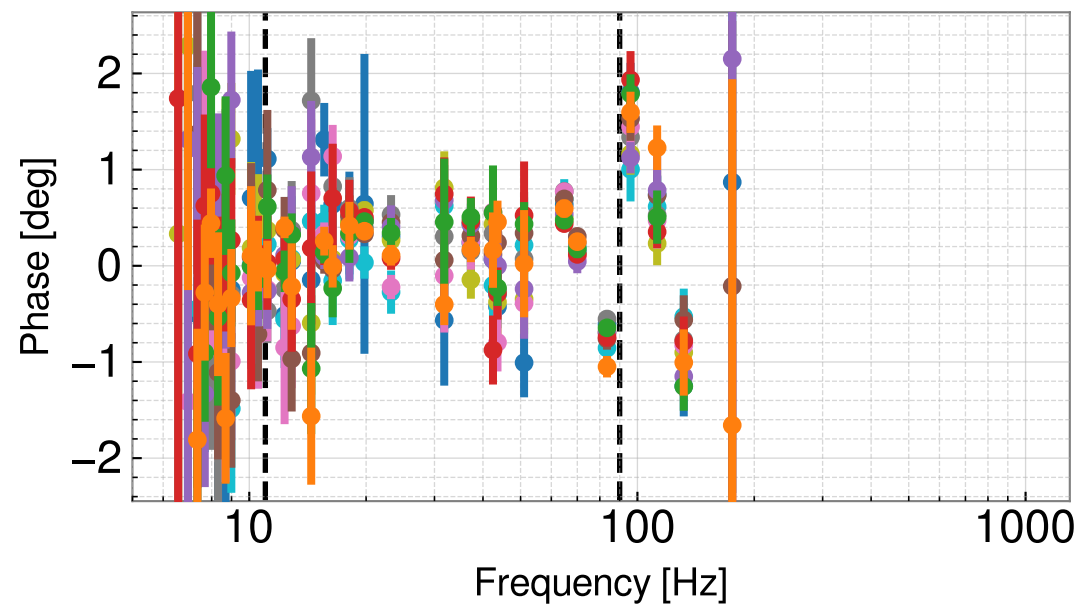
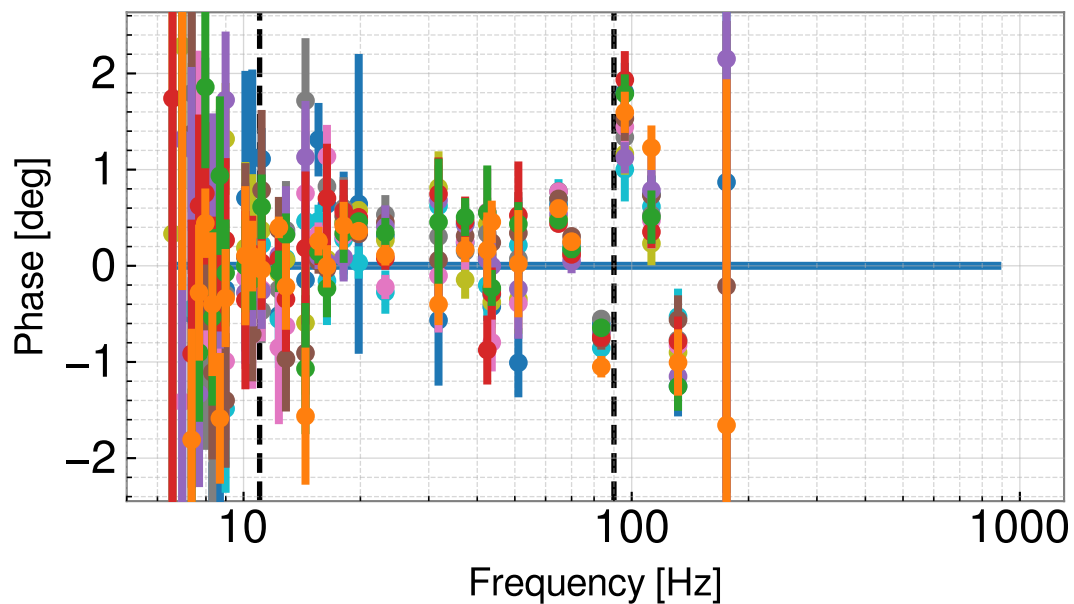
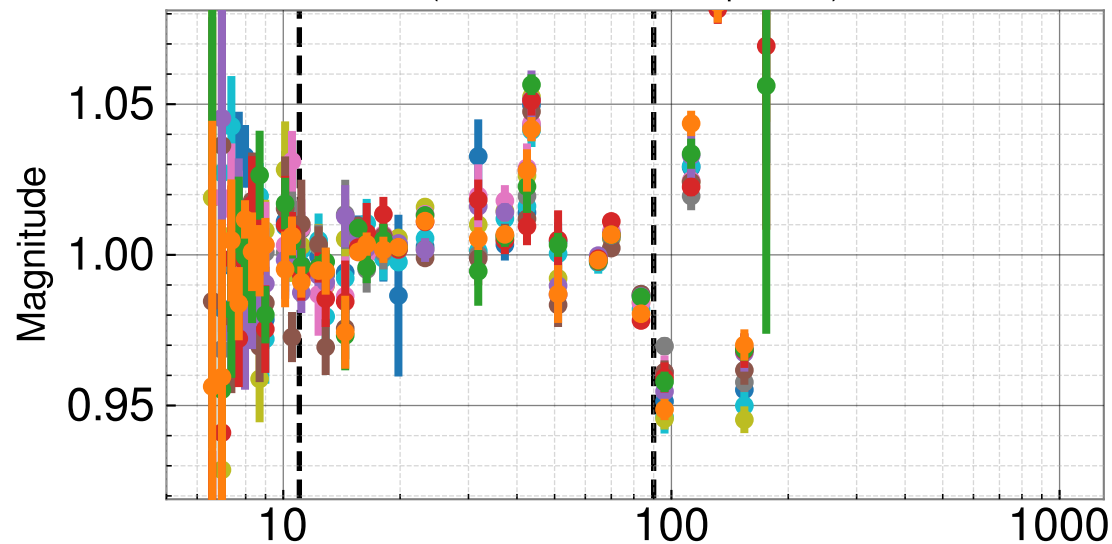
All fixed parameters drawn from /ligo/groups/cal/H1/reports/20250717T150731Z/pydarm_H1.ini



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

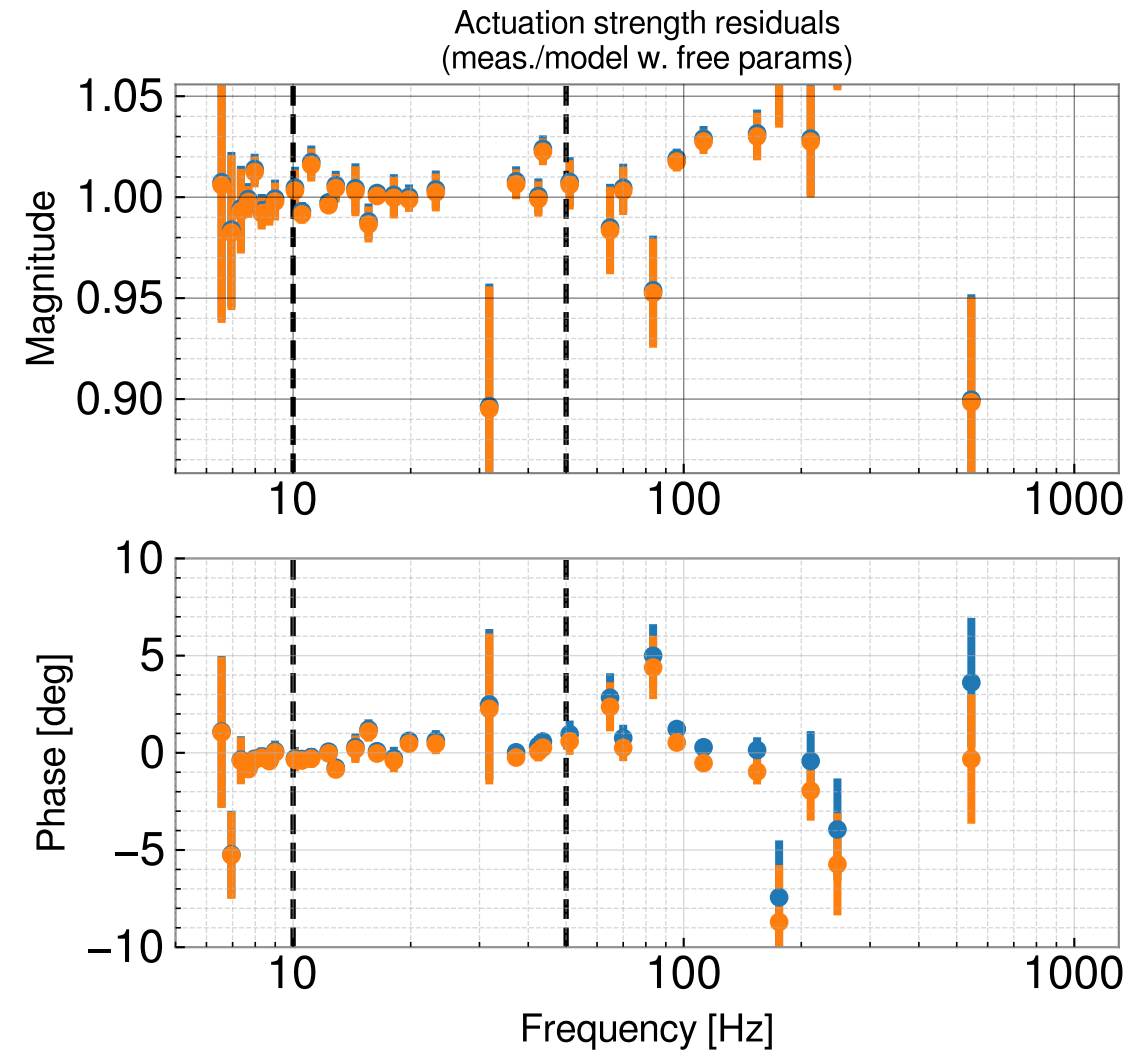
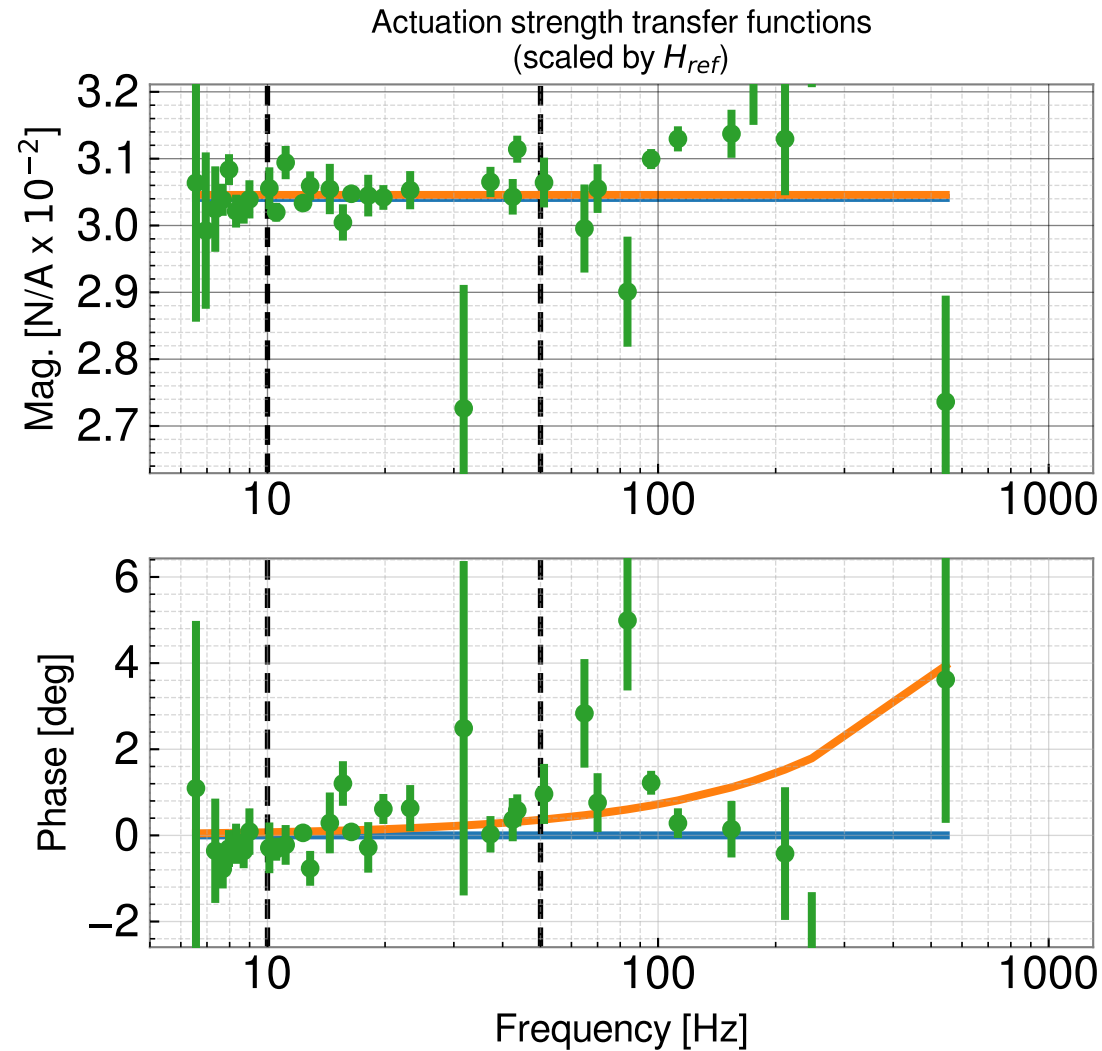


Actuation strength residuals
(meas./model w. free params)



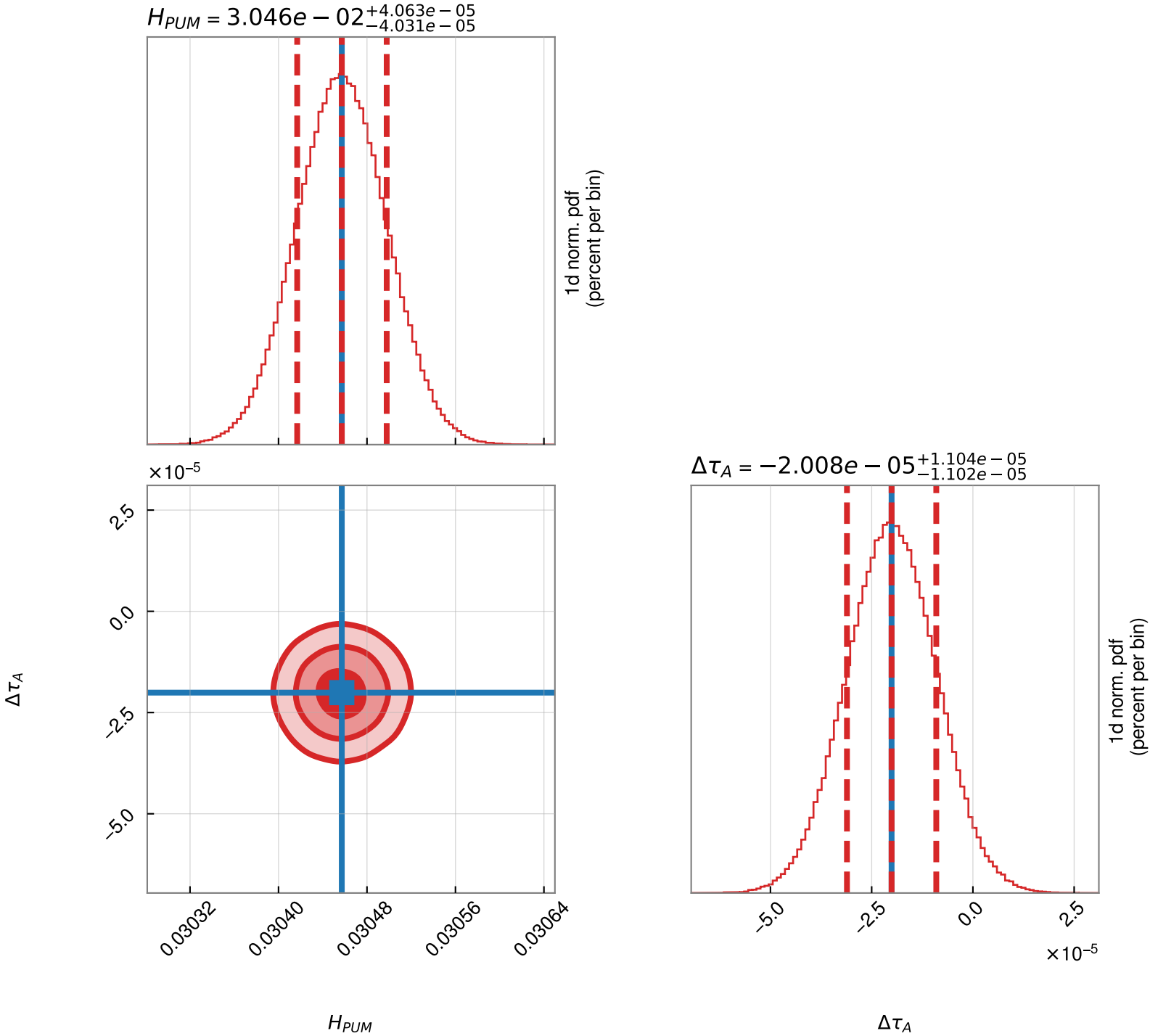
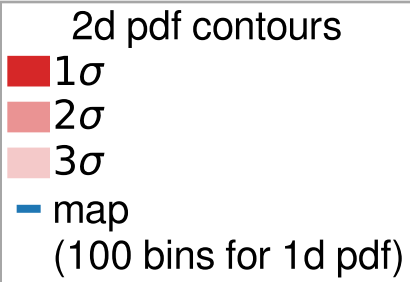
H1SUSEX L2 actuation model MCMC summary

All fixed parameters drawn from /ligo/groups/cal/H1/reports/20250717T150731Z/pydarm_H1.ini



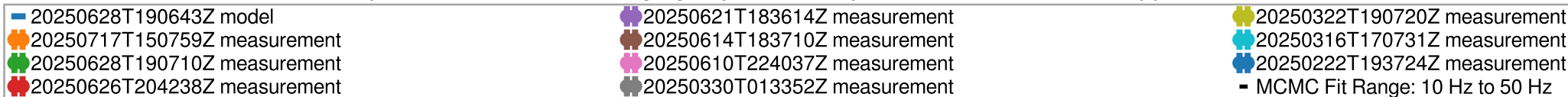
Parameter	(value +/-)	value	+	-
Actuation Gain, Hap (N/A)	0.03046		4.063e-05 (0.13%)	4.031e-05 (0.13%)
Residual time delay, tau_A (s)	-2.008e-05		1.104e-05 (-54.96%)	1.102e-05 (-54.89%)

20250717T150759Z EX L2 actuation
MCMC corner plot

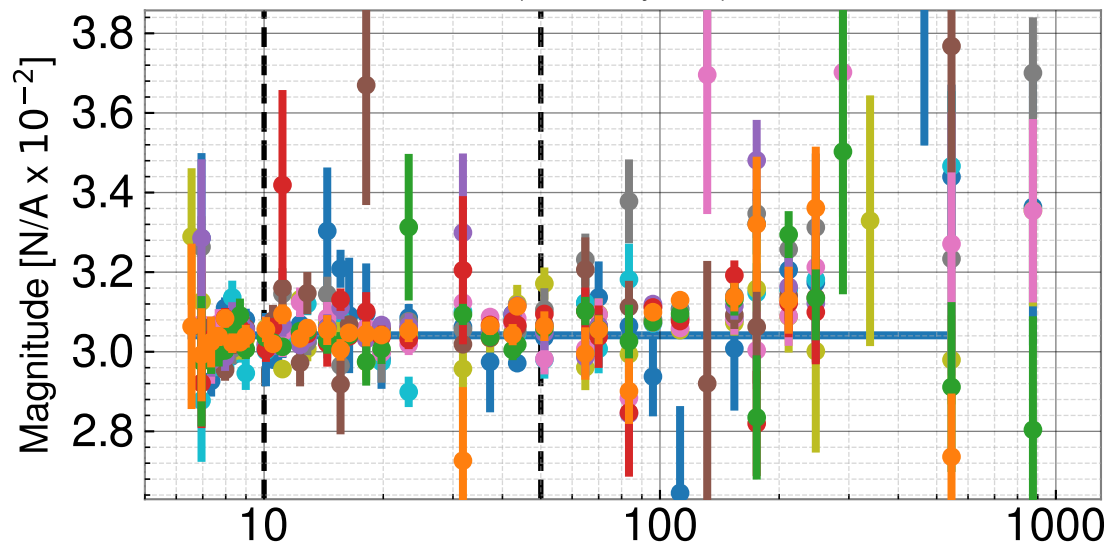


H1SUSEX L2 actuation model history (last 9 measurements)

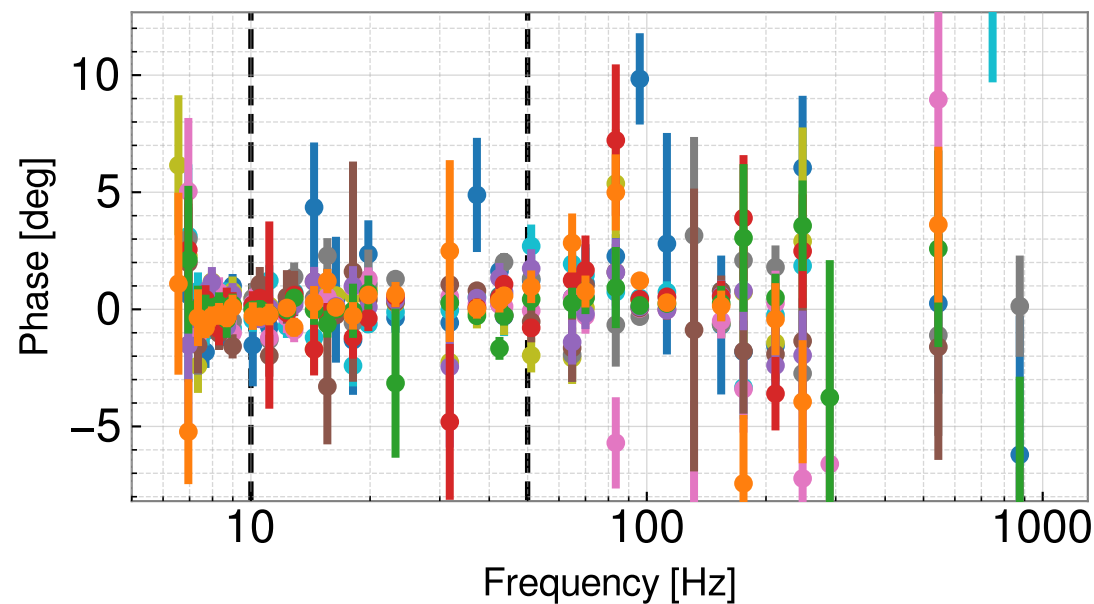
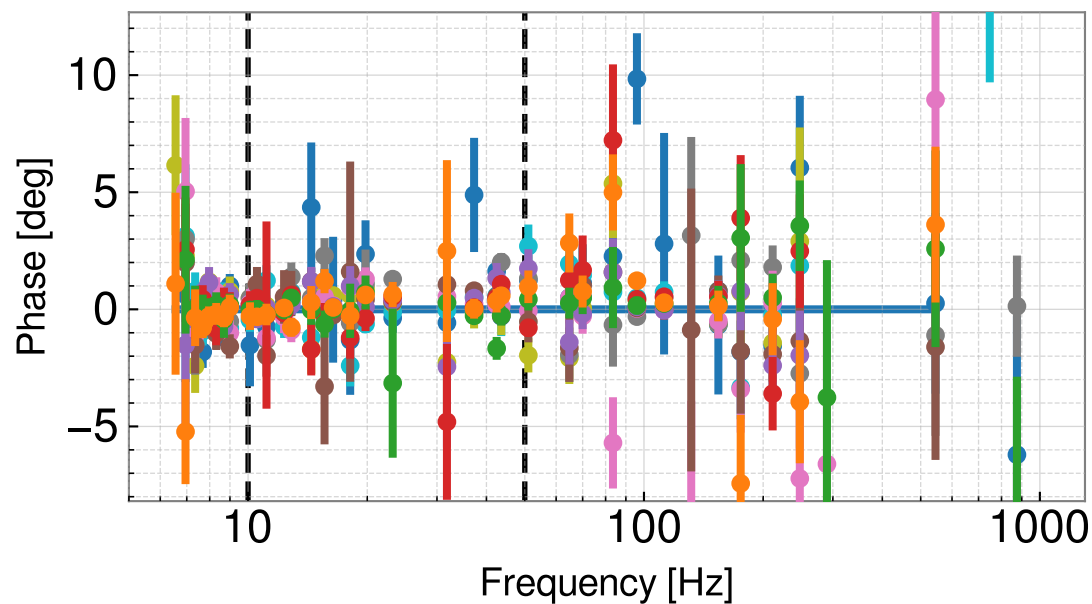
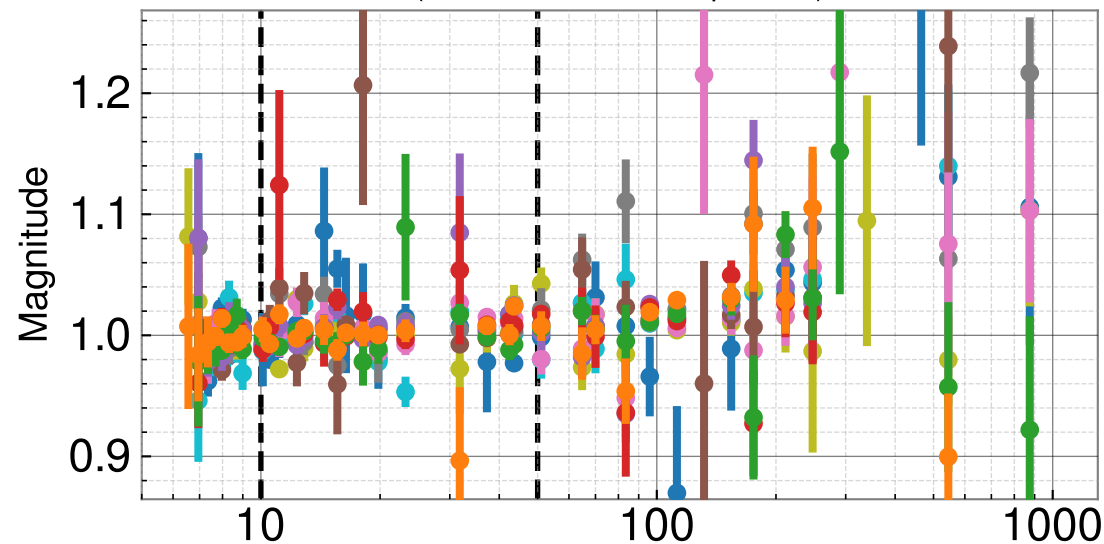
All fixed parameters drawn from /ligo/groups/cal/H1/reports/20250717T150731Z/pydarm_H1.ini



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



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

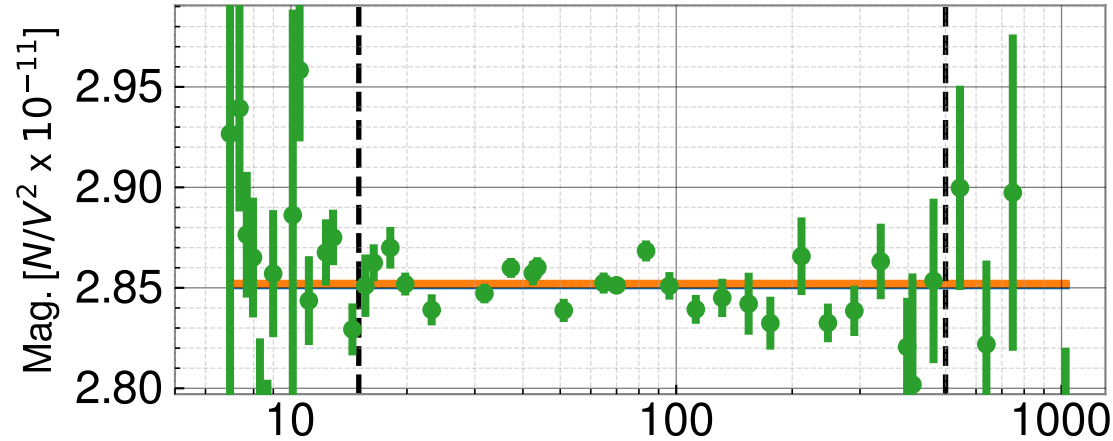


H1SUSEX L3 actuation model MCMC summary

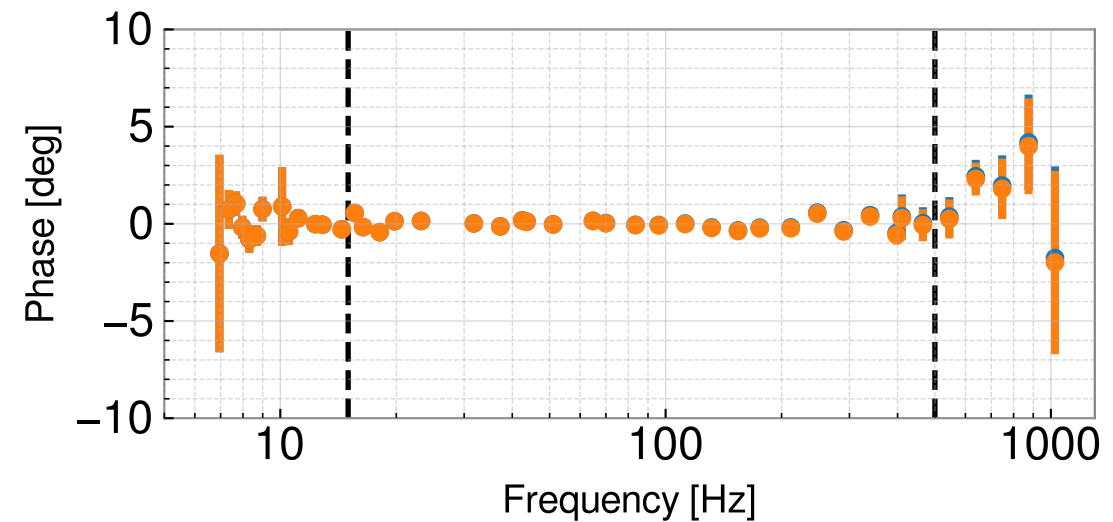
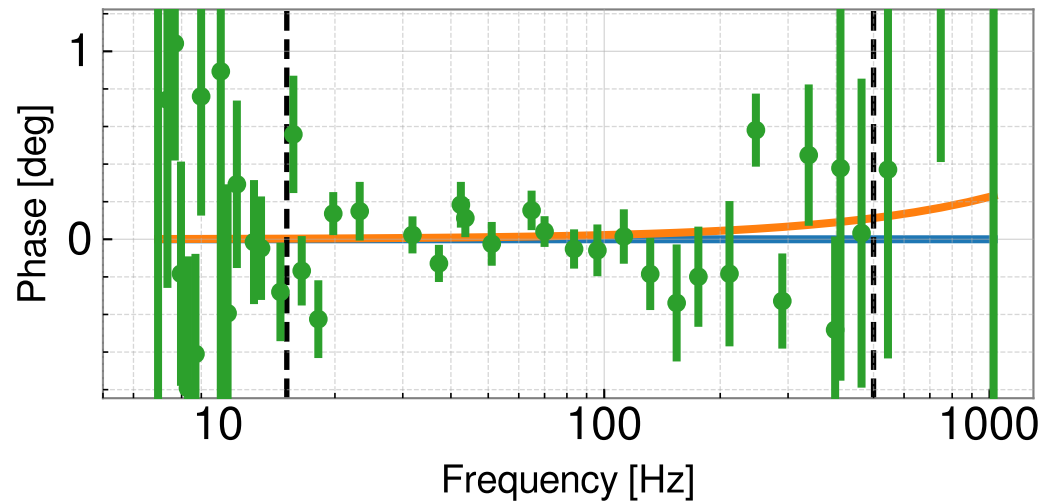
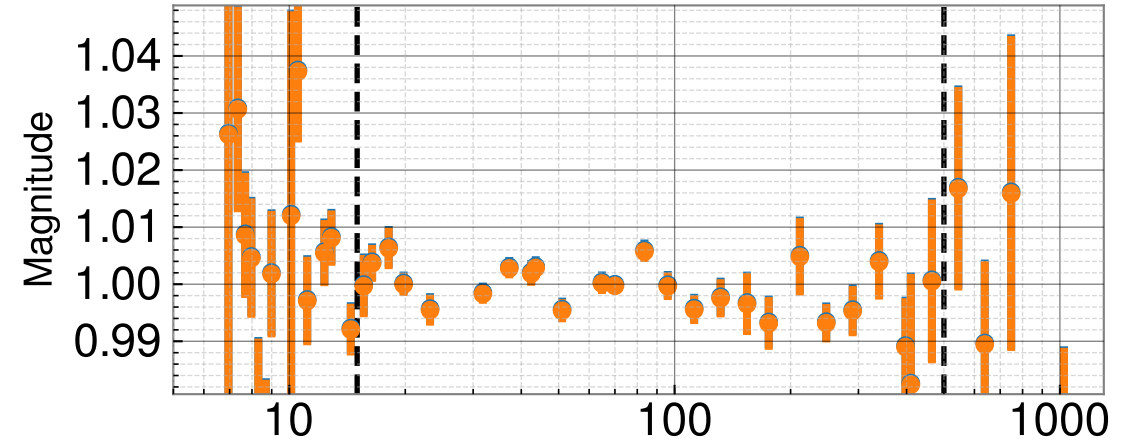
All fixed parameters drawn from /ligo/groups/cal/H1/reports/20250717T150731Z/pydarm_H1.ini



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

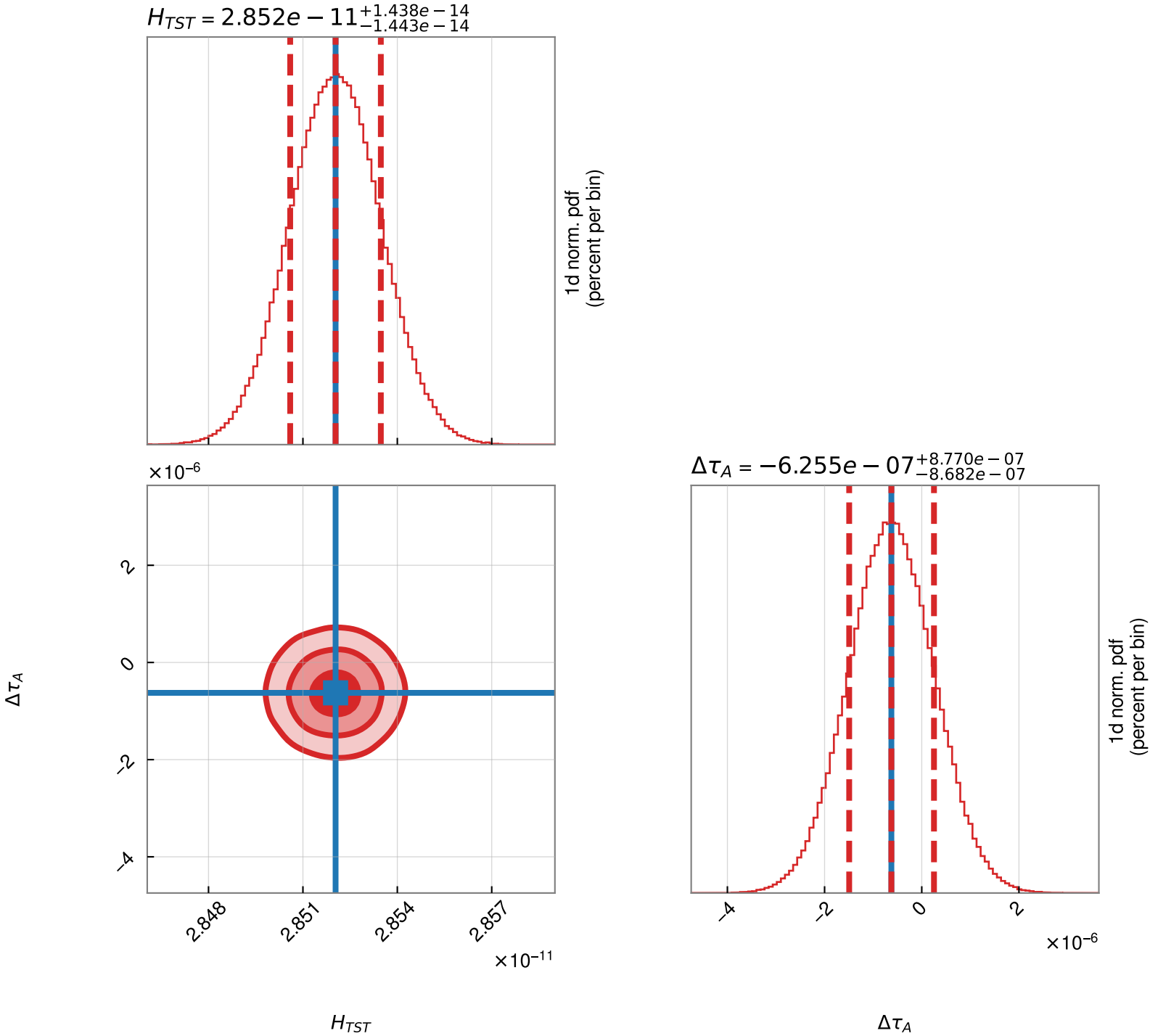
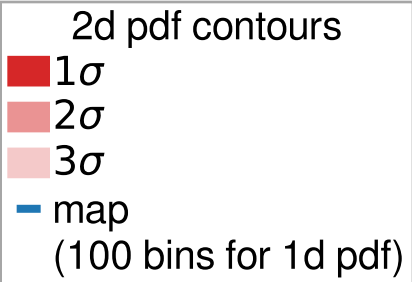


Actuation strength residuals
(meas./model w. free params)



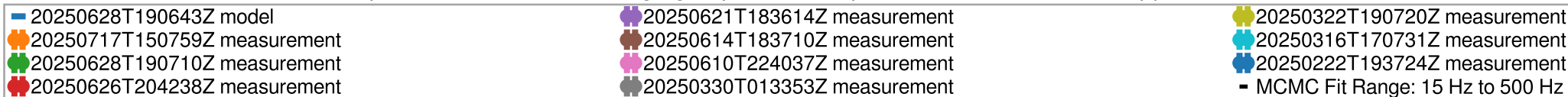
Parameter	(value +/-) value	+	-
Actuation Gain, Hat (N/V^{**2})	2.852e-11	1.438e-14 (0.05%)	1.443e-14 (0.05%)
Residual time delay, tau_A (s)	-6.255e-07	8.77e-07 (-140.21%)	8.682e-07 (-138.80%)

20250717T150759Z EX L3 actuation
MCMC corner plot

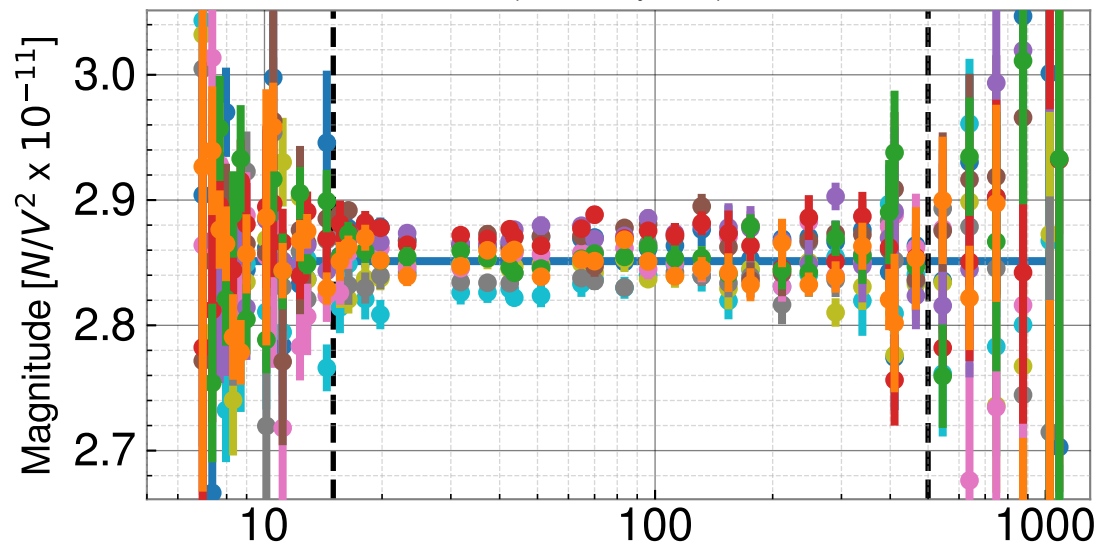


H1SUSEX L3 actuation model history (last 9 measurements)

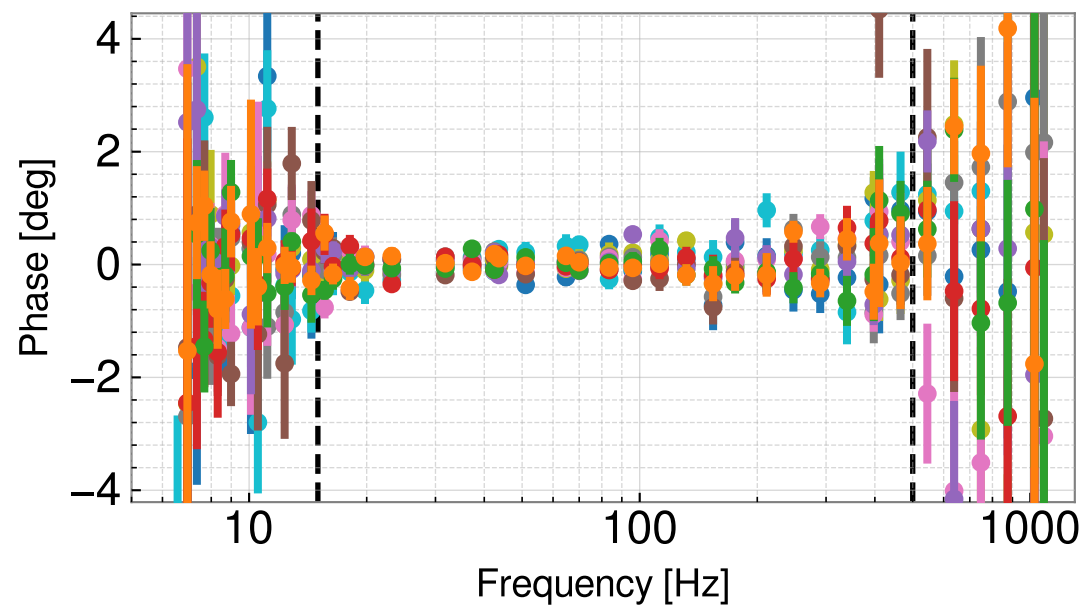
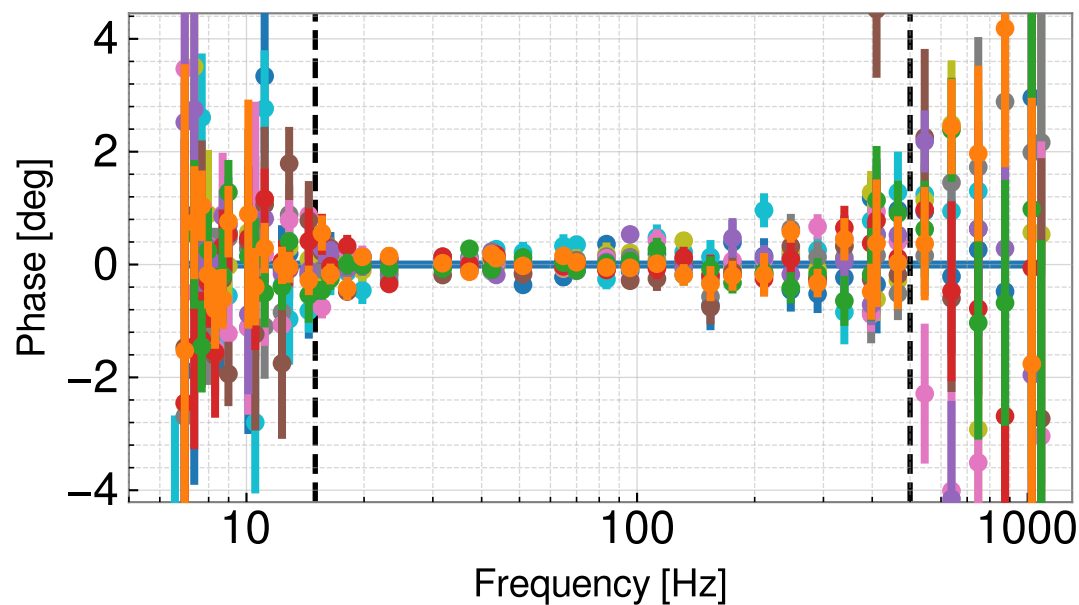
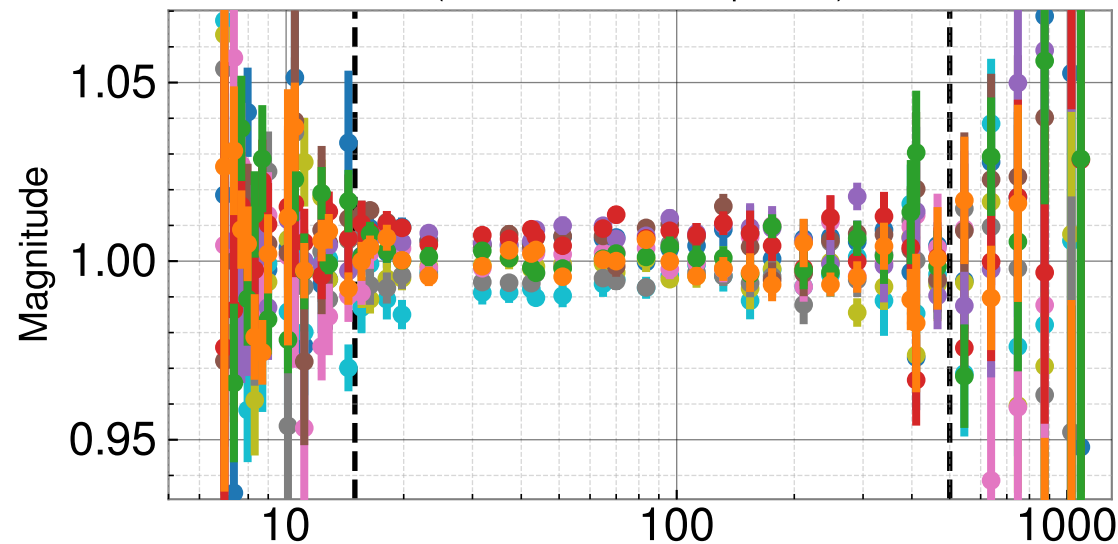
All fixed parameters drawn from /ligo/groups/cal/H1/reports/20250717T150731Z/pydarm_H1.ini



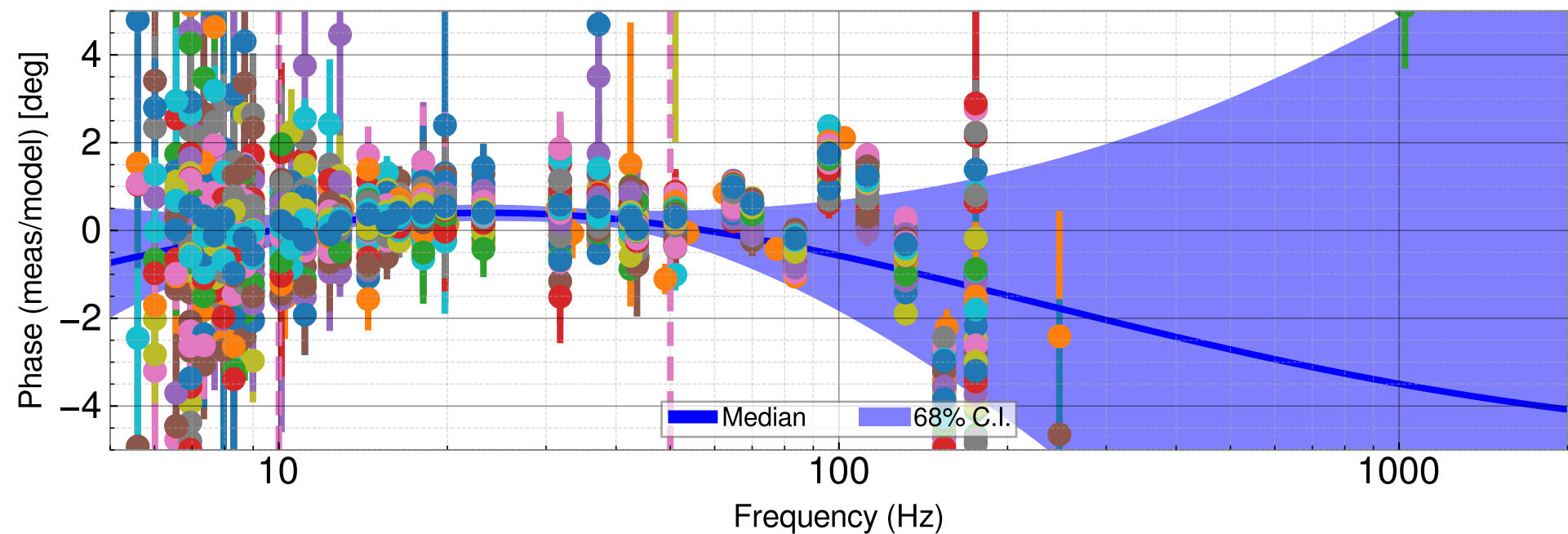
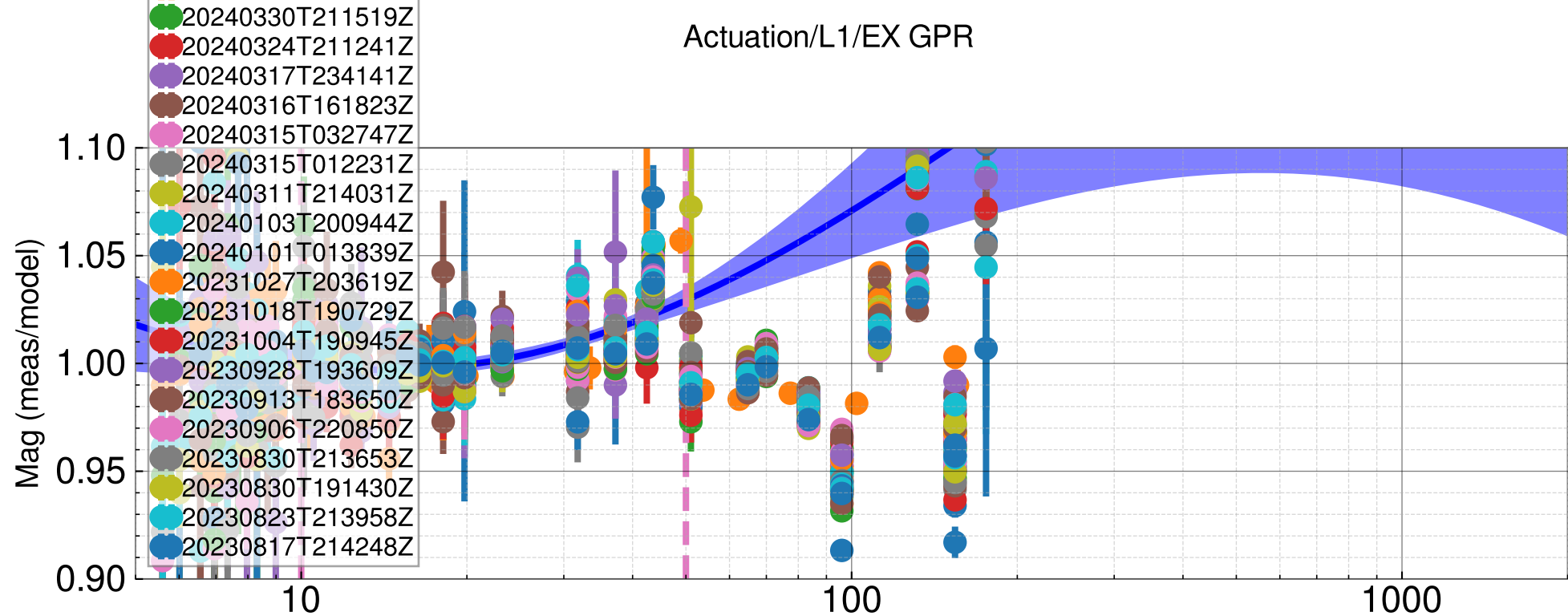
Actuation strength transfer functions
(scaled by H_{ref})



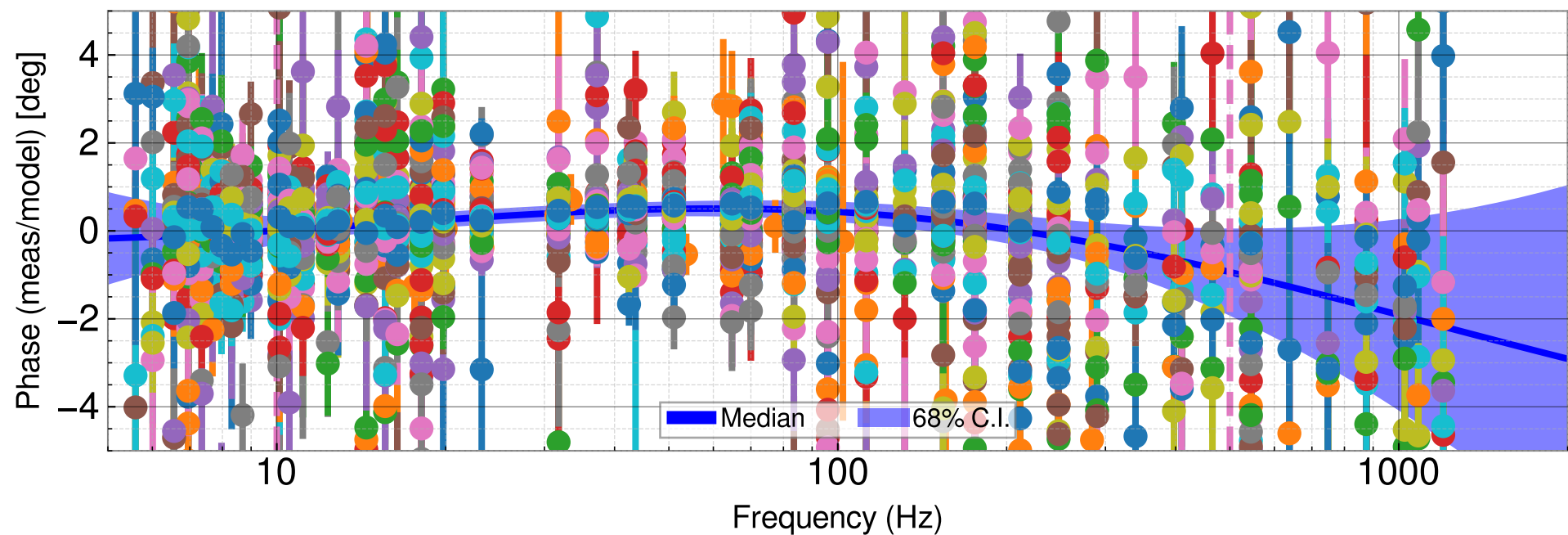
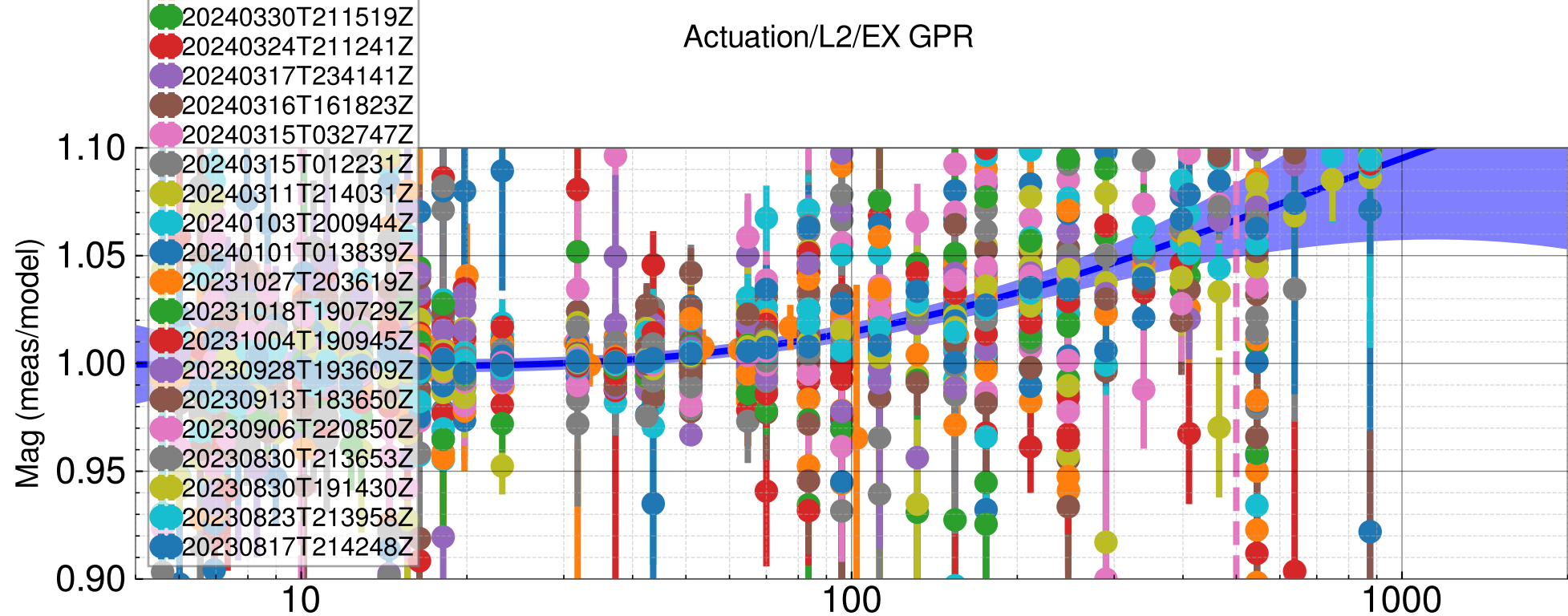
Actuation strength residuals
(meas./model w. free params)



Actuation/L1/EX GPR



Actuation/L2/EX GPR



Actuation/L3/EX GPR

