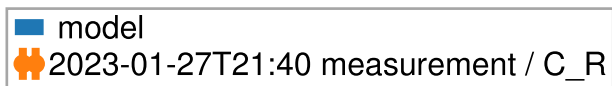
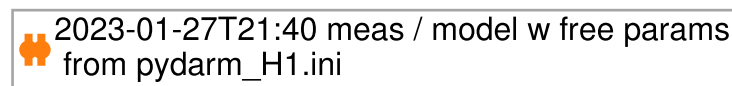
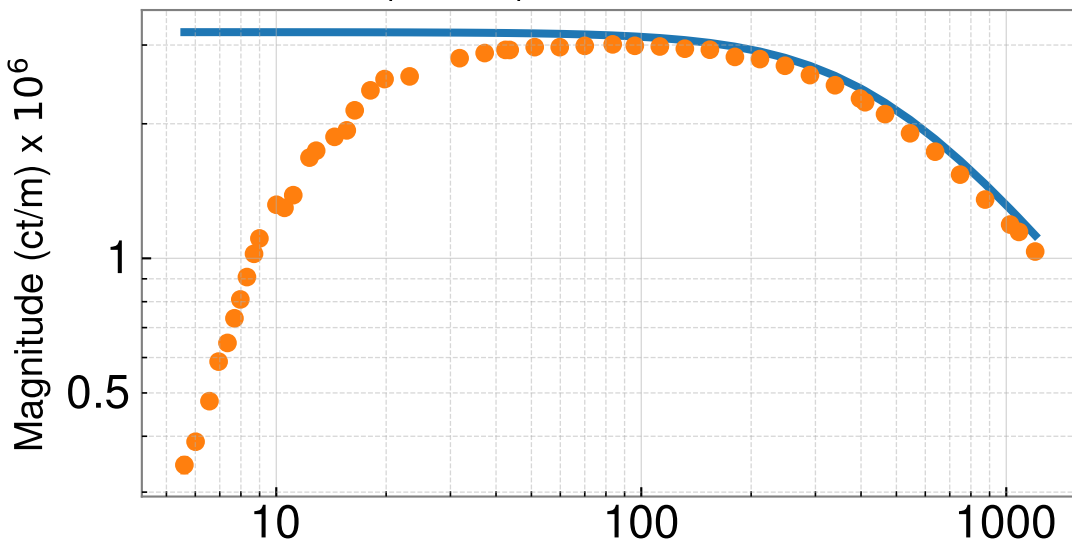


H1 sensing model history

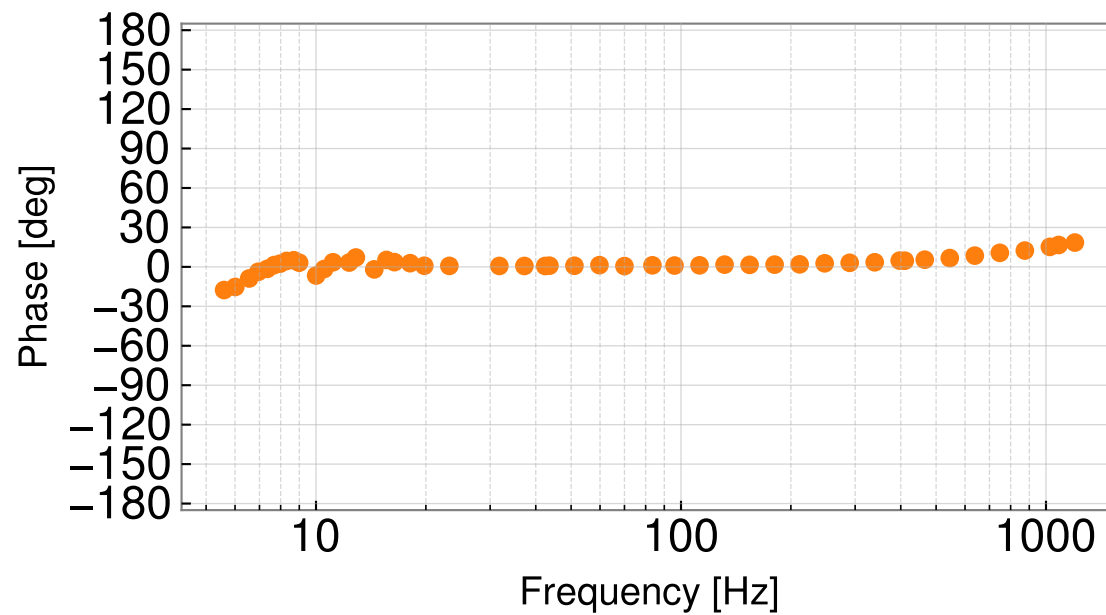
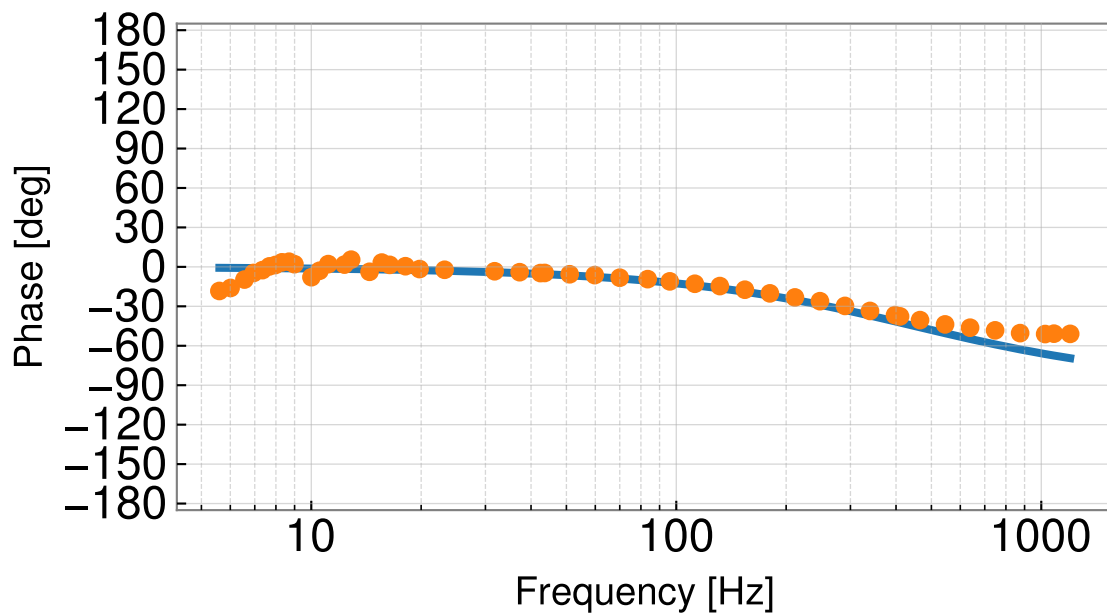
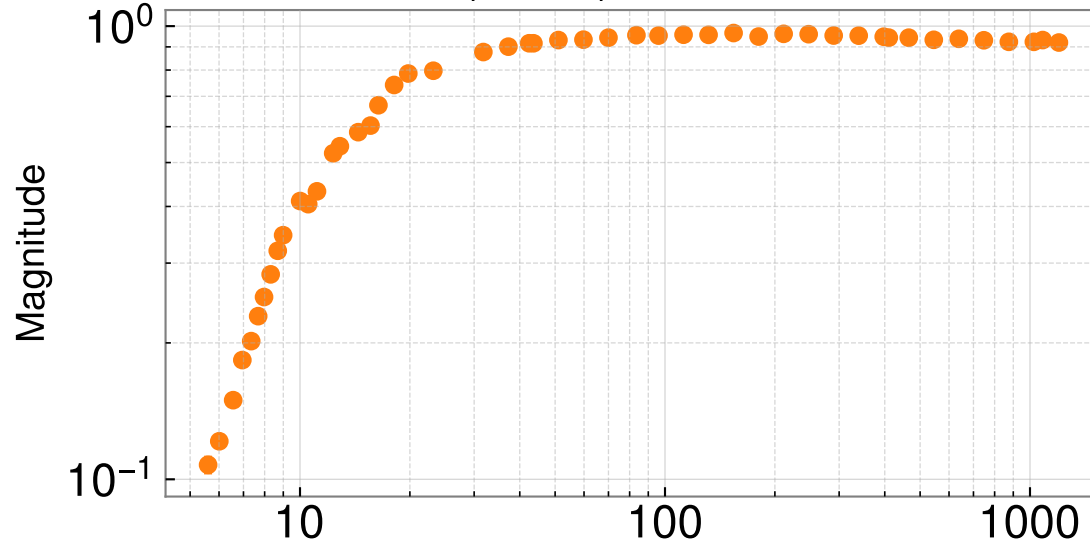
All fixed parameters are drawn from pydarm_H1.ini



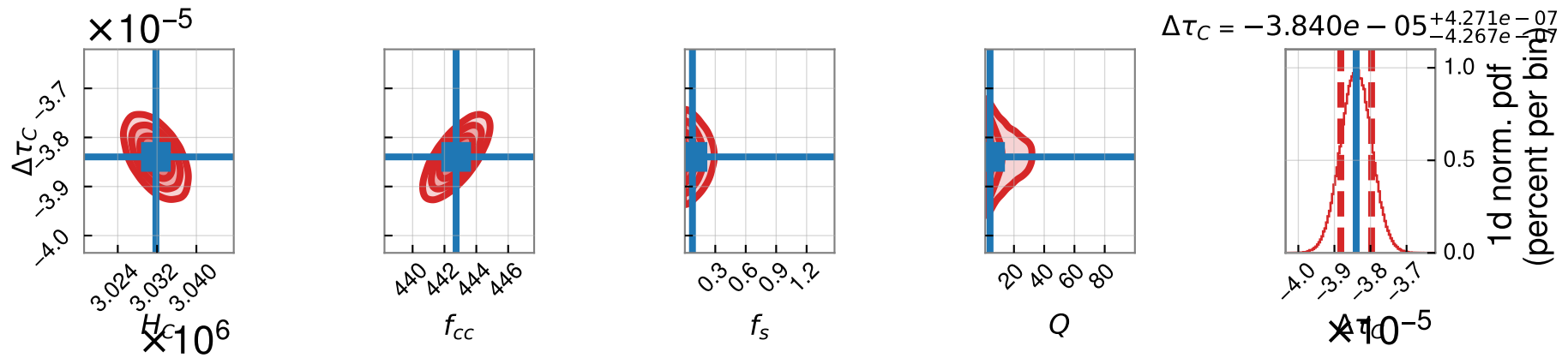
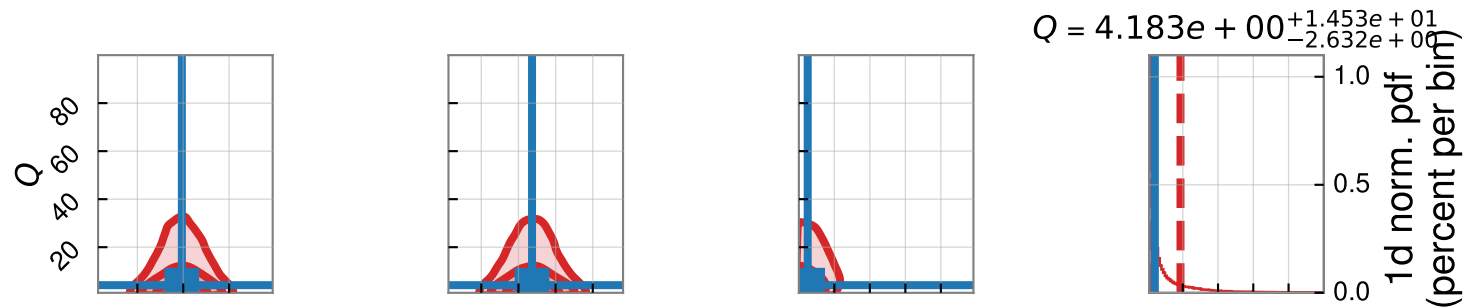
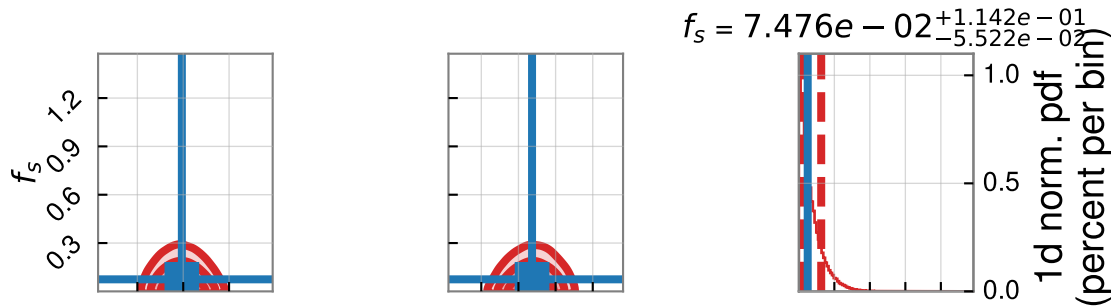
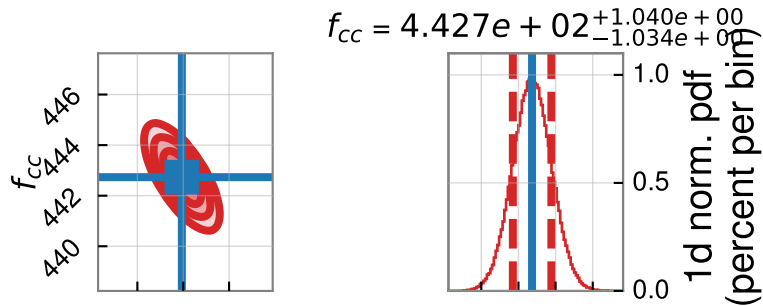
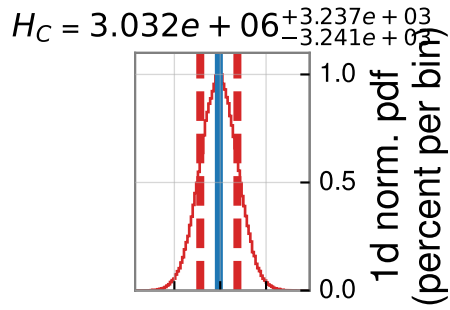
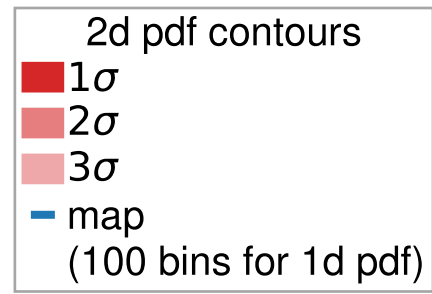
Optical response transfer functions



Optical response residuals

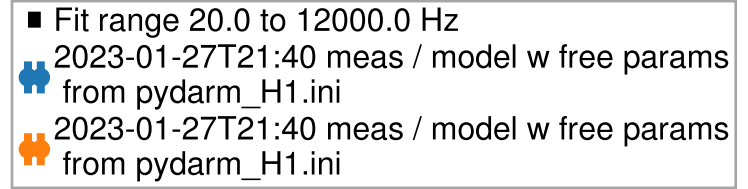
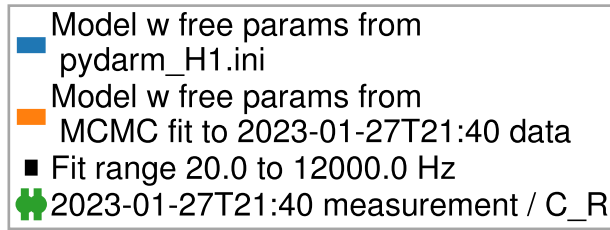


2023-01-27T21:40 sensing function MCMC corner plot

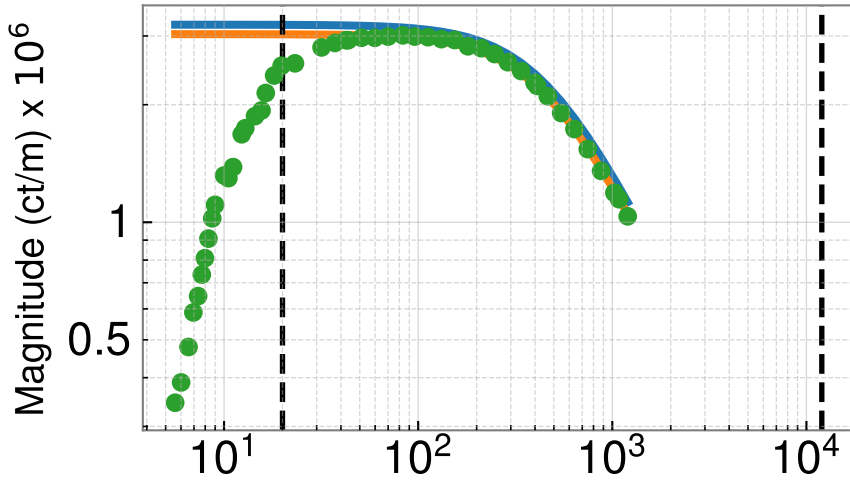


H1 sensing model MCMC summary

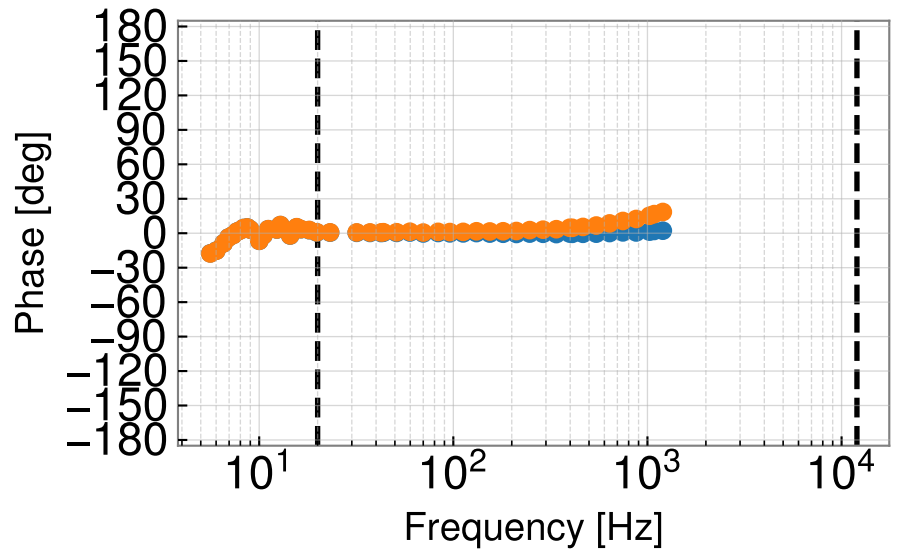
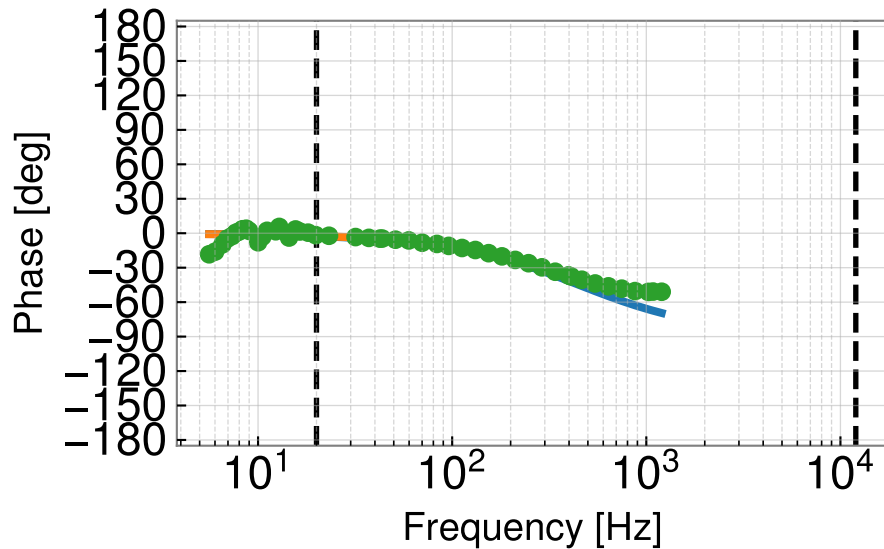
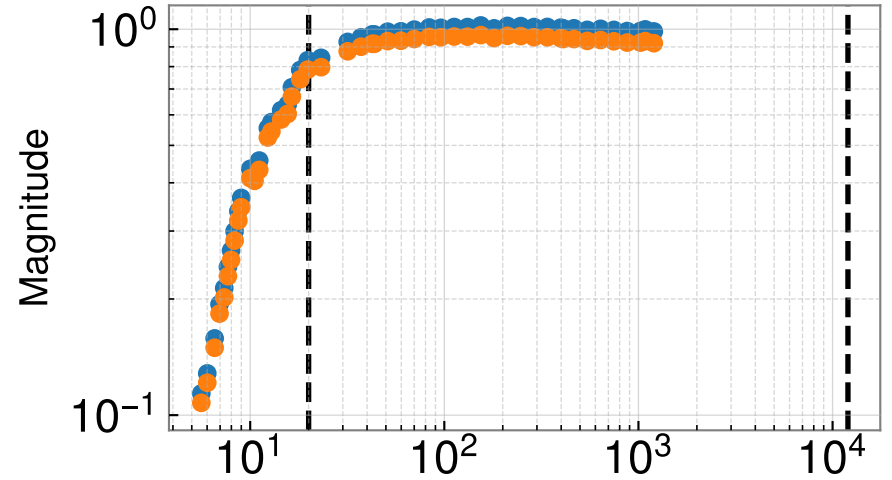
All fixed parameters are drawn from pydarm_H1.ini



Optical response transfer functions

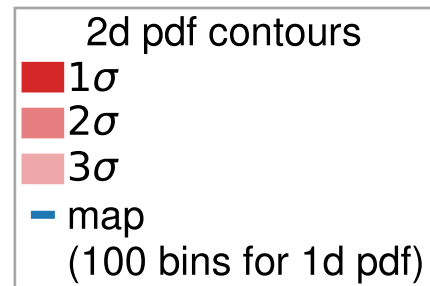


Optical response residuals

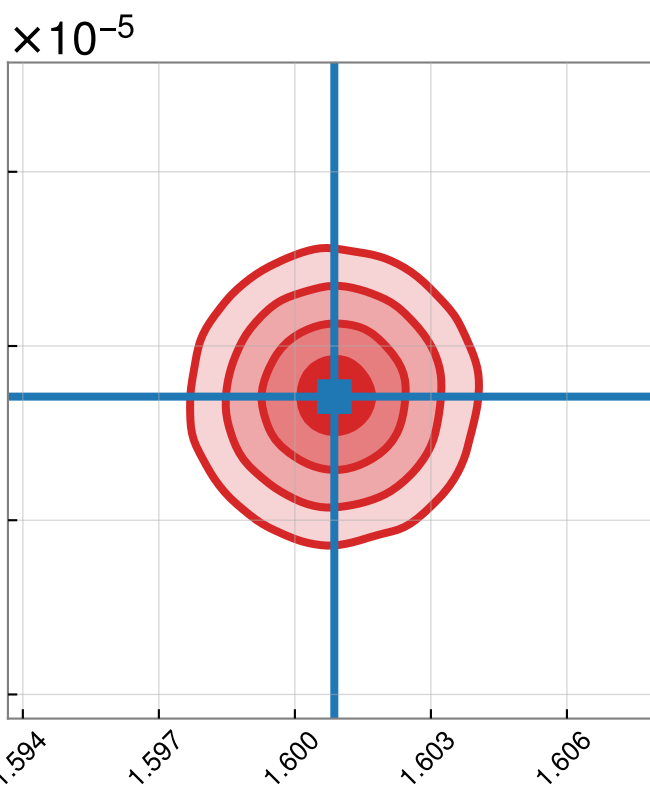
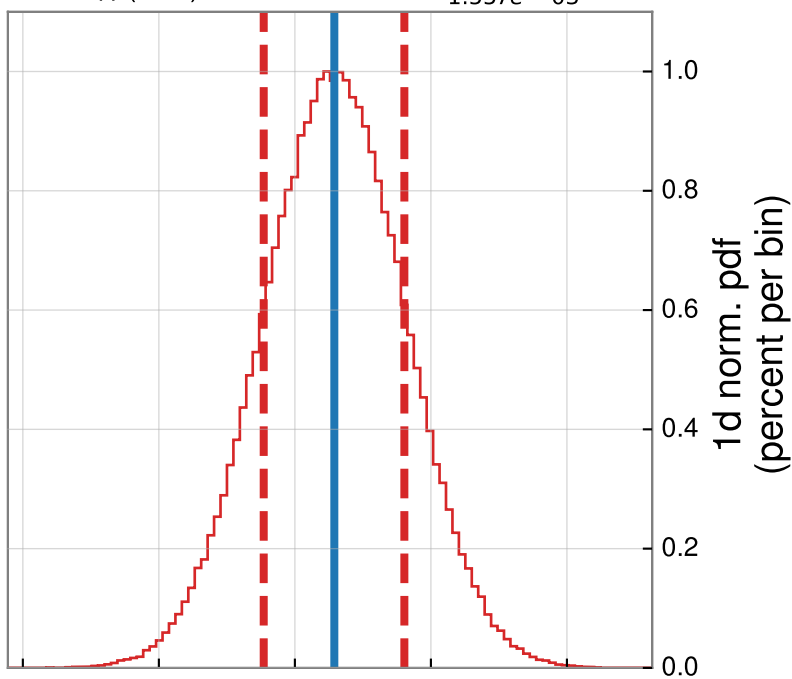


Parameter	(value +/-) value	+	-
Optical gain, H_c (ct/m)	3.032e+06	3237 (0.00%)	3241 (0.00%)
Cavity_pole, f_cc (Hz)	442.7	1.04 (0.00%)	1.034 (0.00%)
Detuned SRC spring frequency, f_s (Hz)	0.07476	0.1142 (1.53%)	0.05522 (0.74%)
Detuned SRC spring quality factor, Q_s	4.183	14.53 (3.47%)	2.632 (0.63%)
Residual time delay, tau_c (s)	-3.84e-05	4.271e-07 (-0.01%)	4.267e-07 (-0.01%)
kappa_c	0.9457	0.00101 (0.00%)	0.001011 (0.00%)

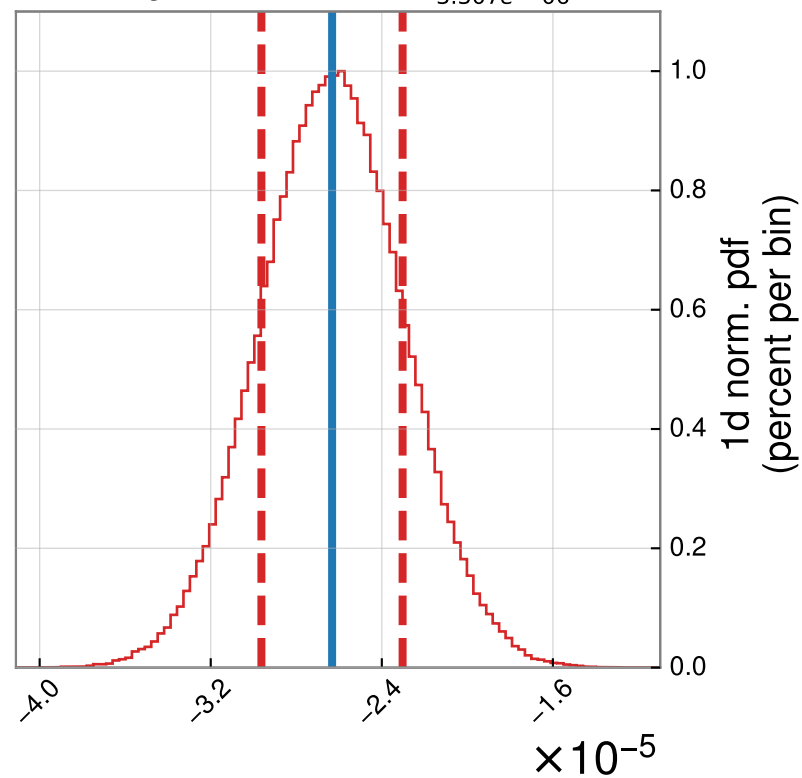
2023-01-27T21:40 L1 actuation function MCMC corner plot



$$H_A \text{ (N/A)} = 1.601e + 00^{+1.545e - 03}_{-1.557e - 03}$$

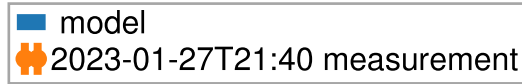


$$\Delta\tau_C = -2.632e - 05^{+3.296e - 06}_{-3.307e - 06}$$

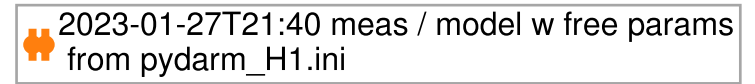
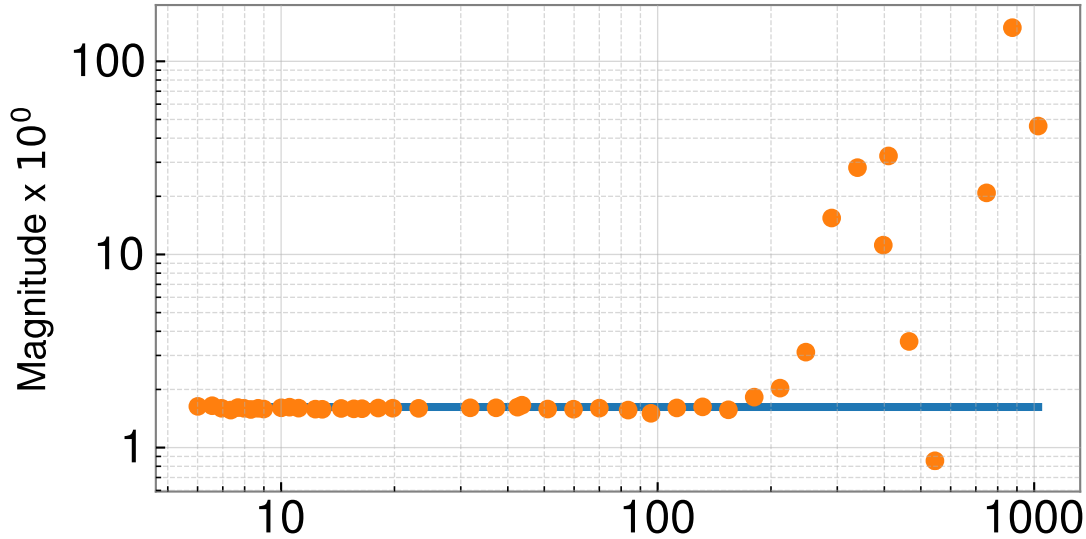


H1SUSSETMX L1 actuation model history

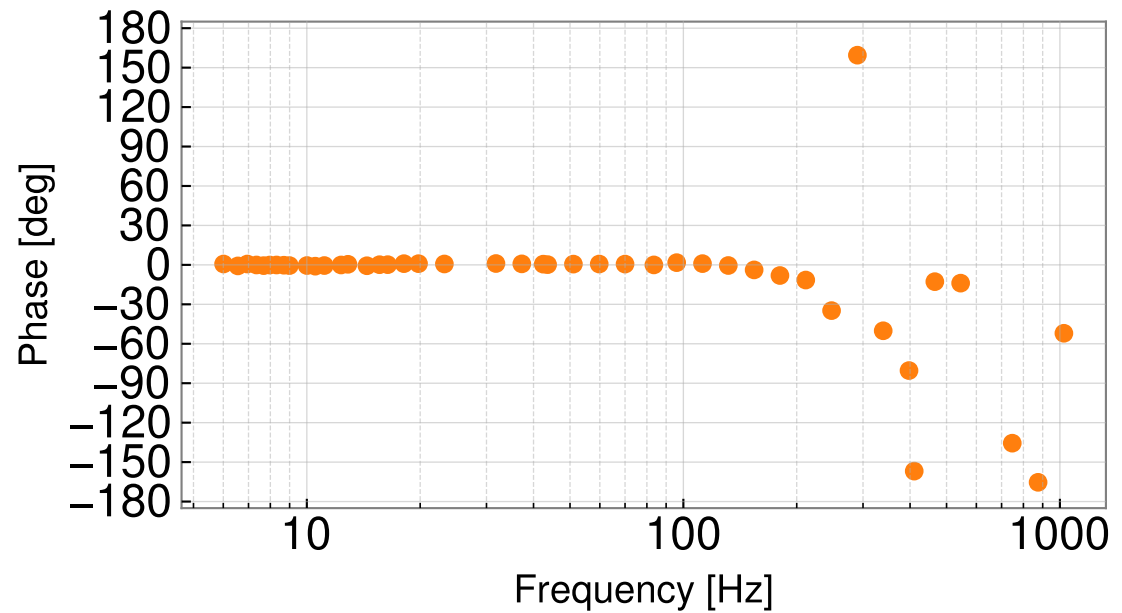
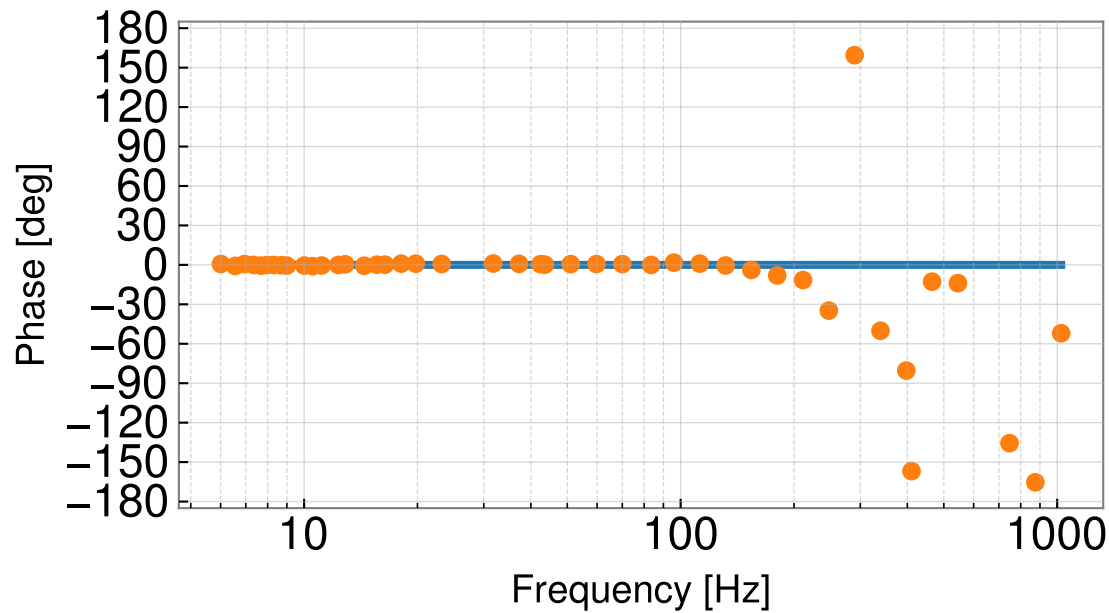
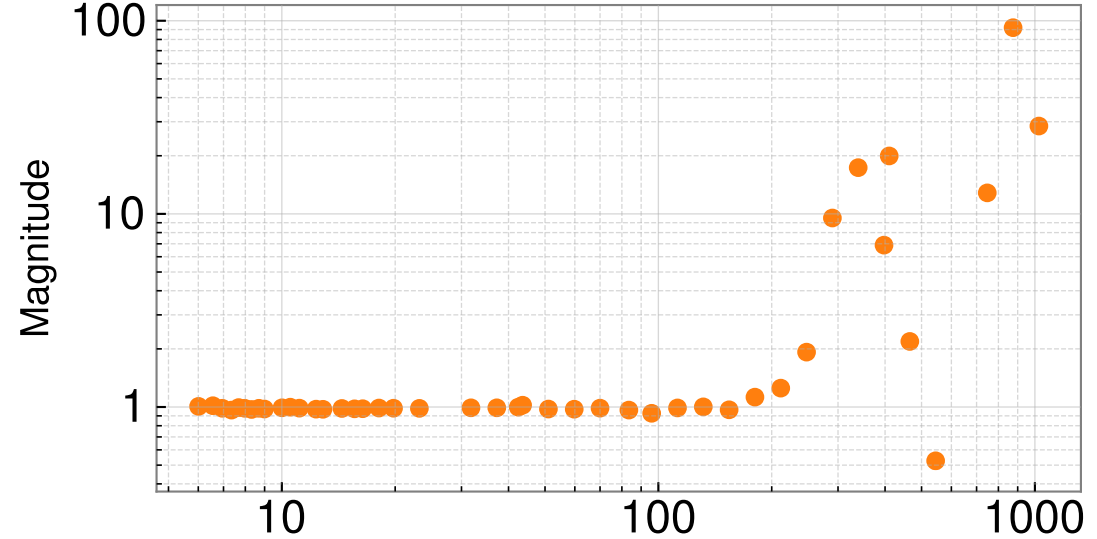
All fixed parameters are drawn from pydarm_H1.ini



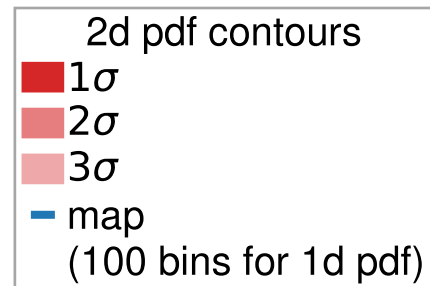
Actuation strength transfer functions



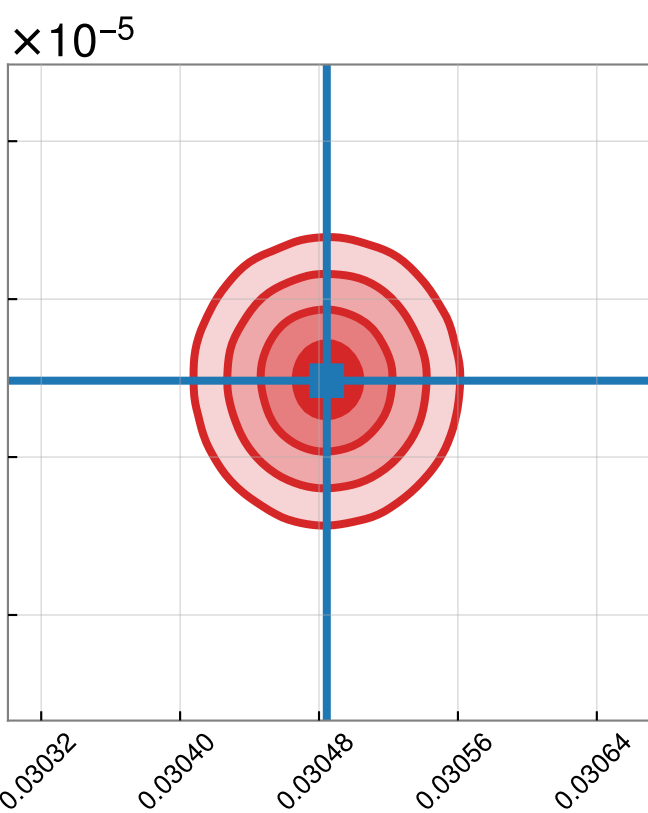
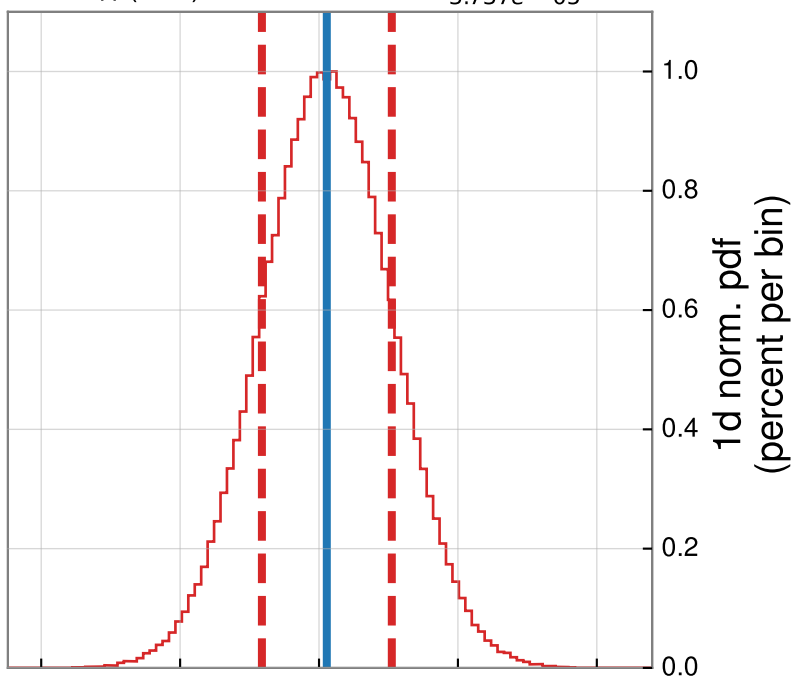
Actuation strength residuals



2023-01-27T21:40 L2 actuation function MCMC corner plot

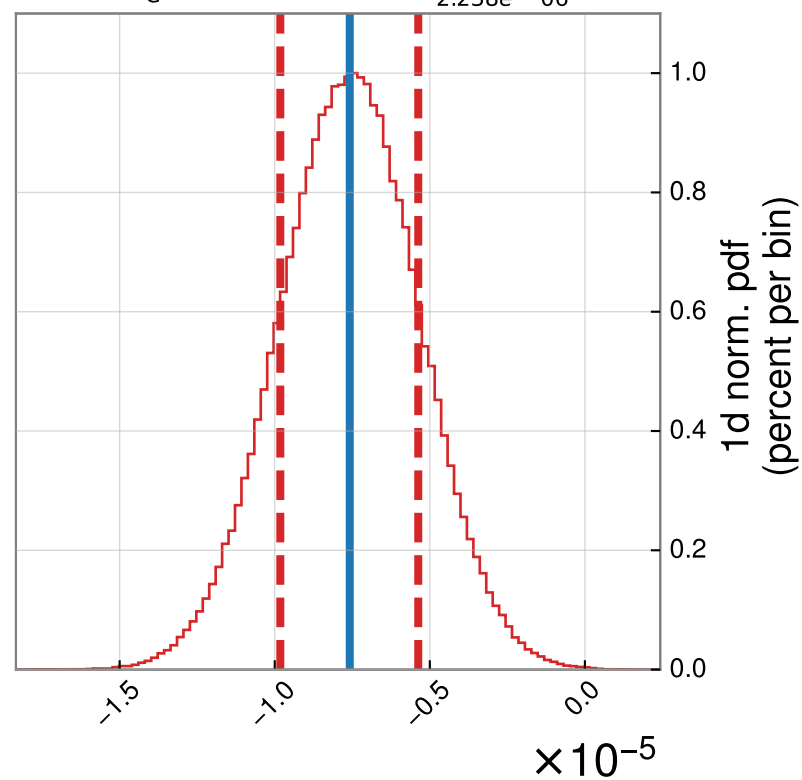


$$H_A \text{ (N/A)} = 3.048e - 02^{+3.744e - 05}_{-3.737e - 05}$$



H_A (N/A)

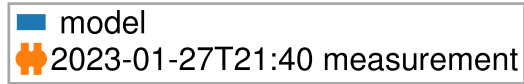
$$\Delta\tau_C = -7.582e - 06^{+2.209e - 06}_{-2.238e - 06}$$



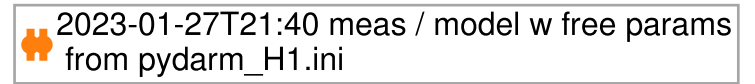
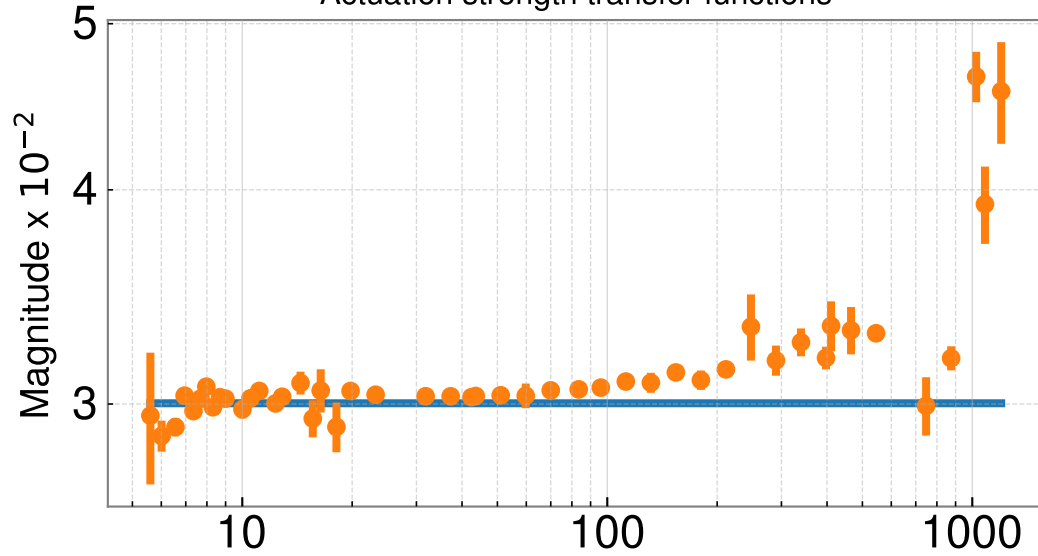
$\Delta\tau_C$

H1SUSSETMX L2 actuation model history

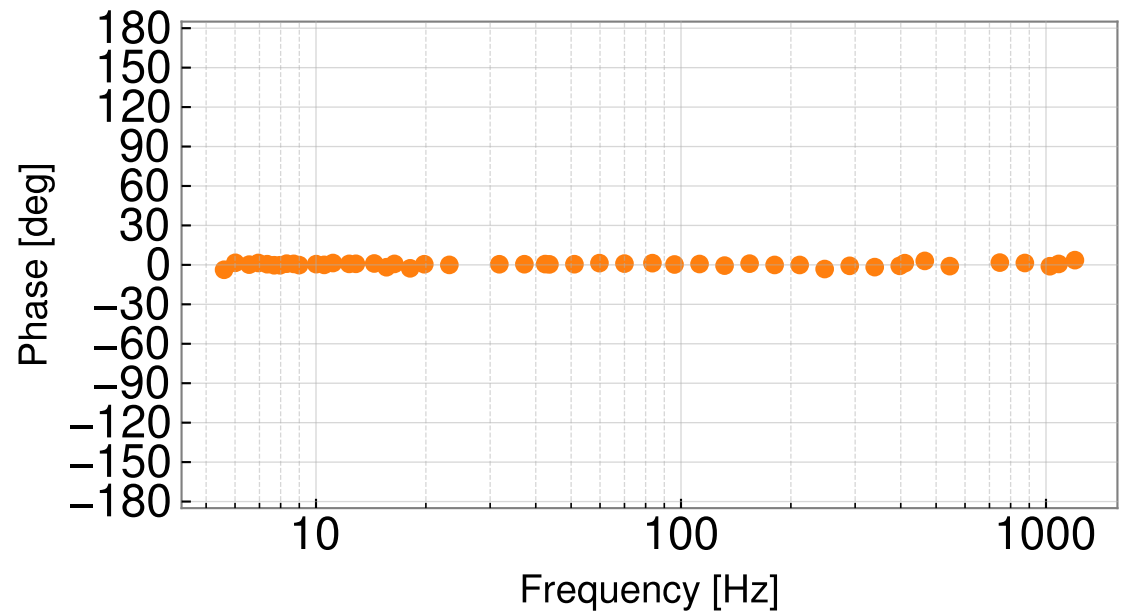
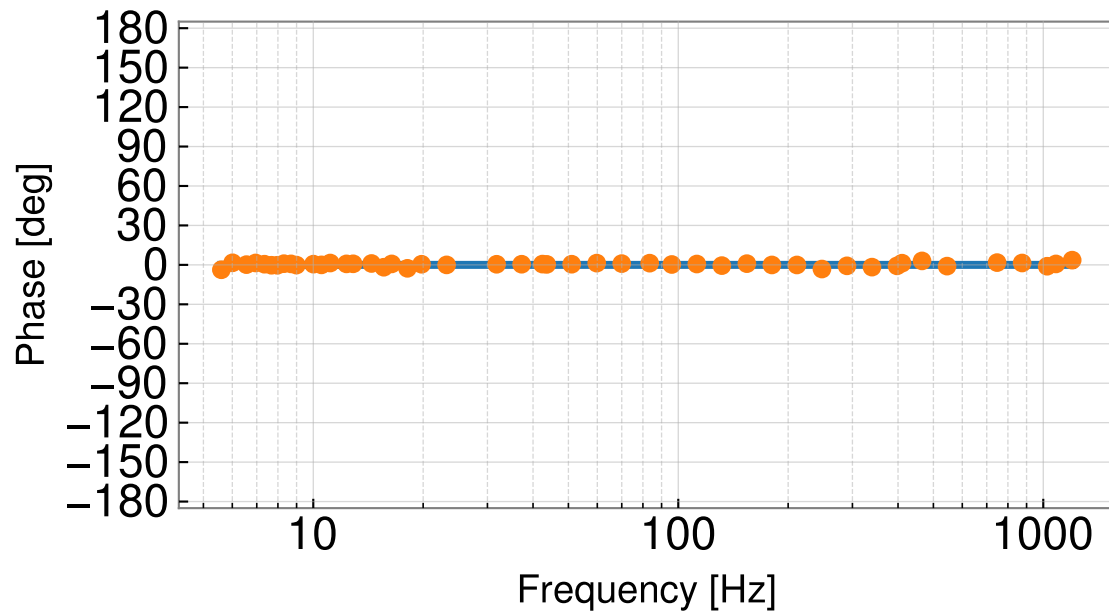
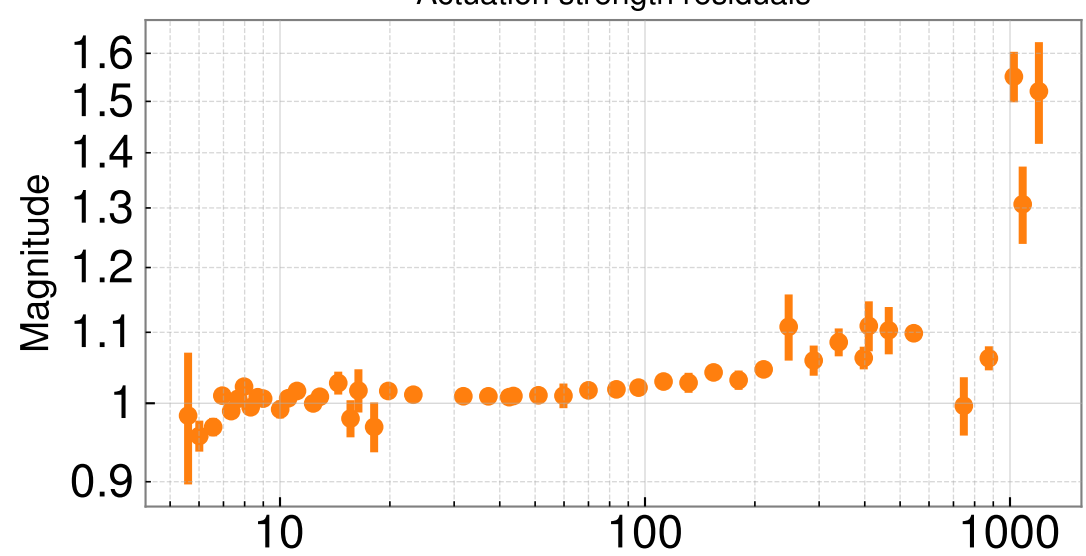
All fixed parameters are drawn from pydarm_H1.ini



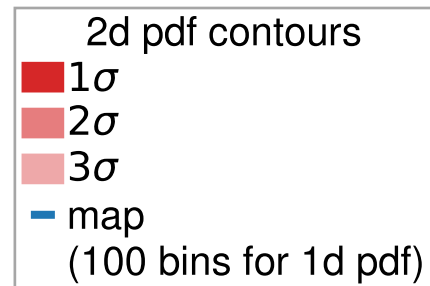
Actuation strength transfer functions



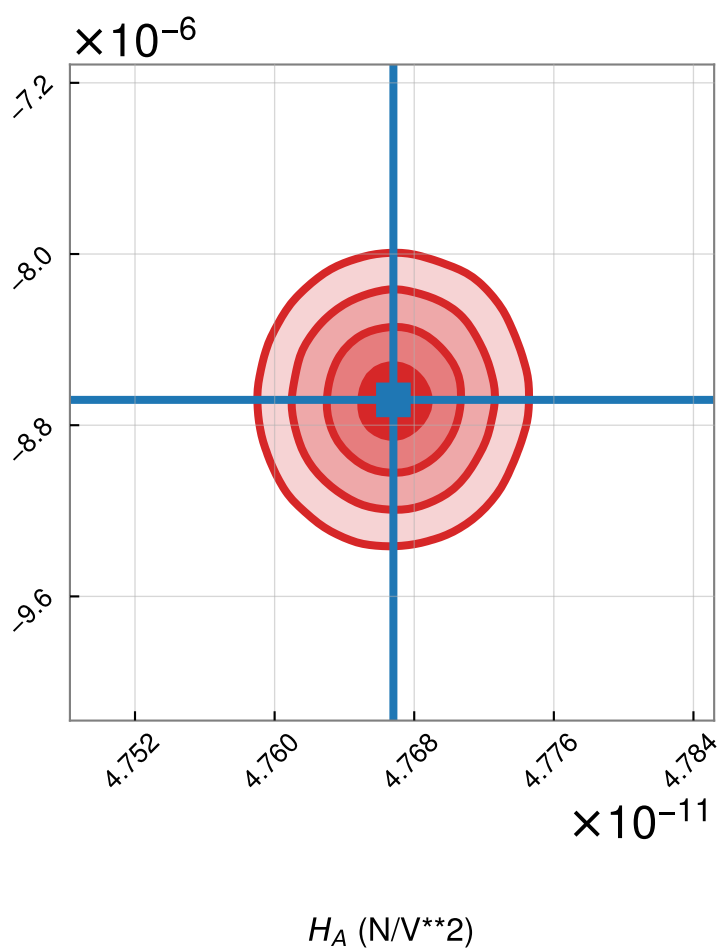
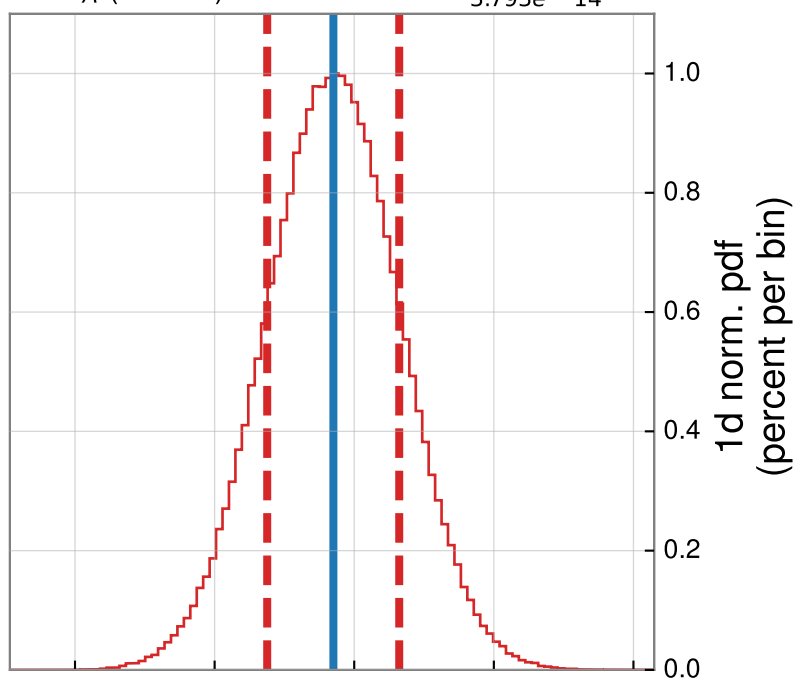
Actuation strength residuals



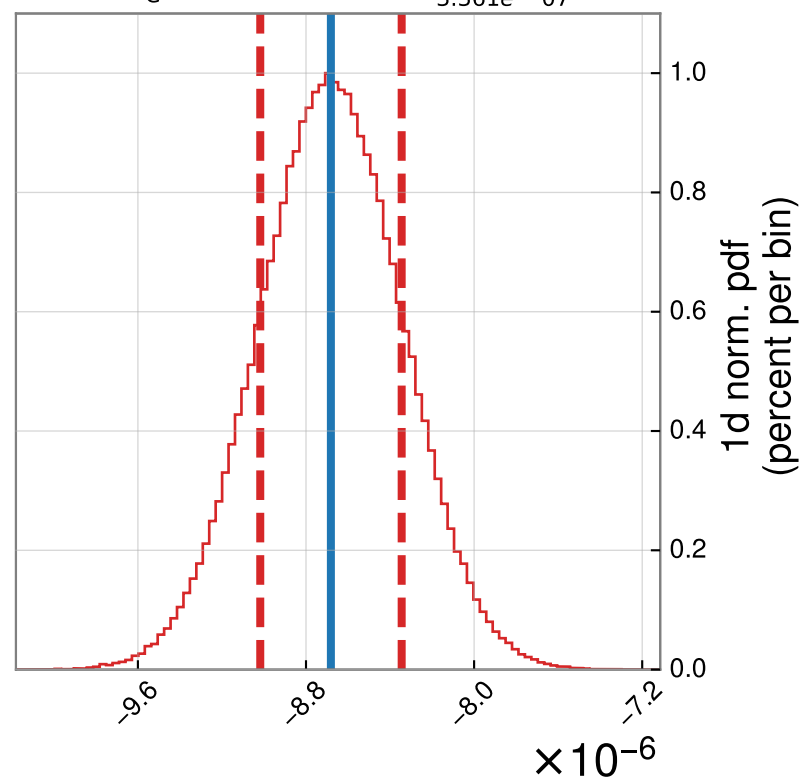
2023-01-27T21:40 L3 actuation function MCMC corner plot



$$H_A (N/V^{**2}) = 4.767e - 11^{+3.772e - 14}_{-3.793e - 14}$$

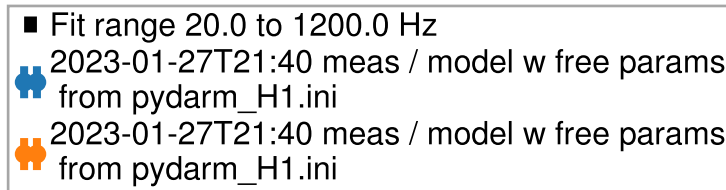
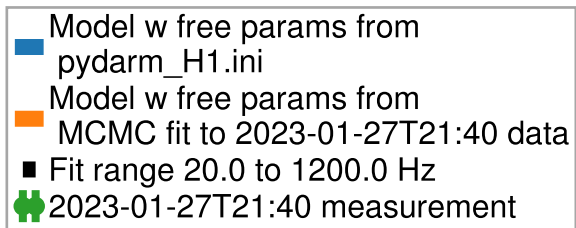


$$\Delta\tau_C = -8.682e - 06^{+3.369e - 07}_{-3.361e - 07}$$

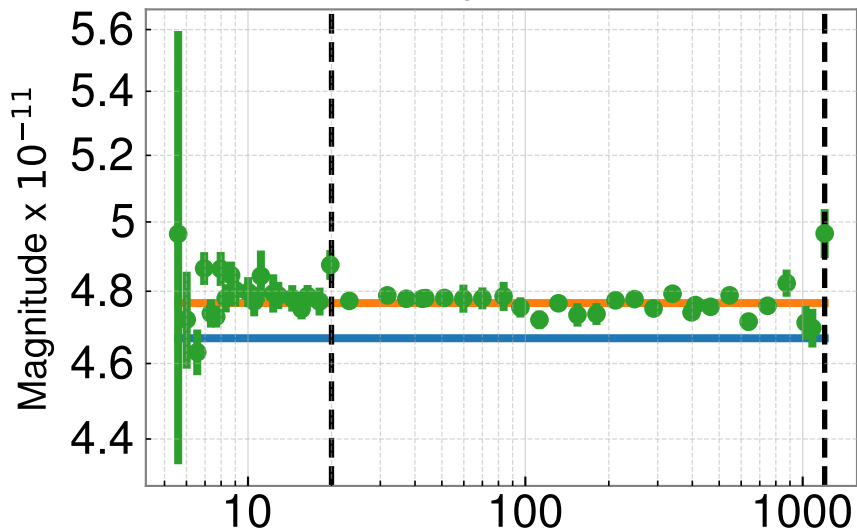


H1SUSEM L3 actuation model MCMC summary

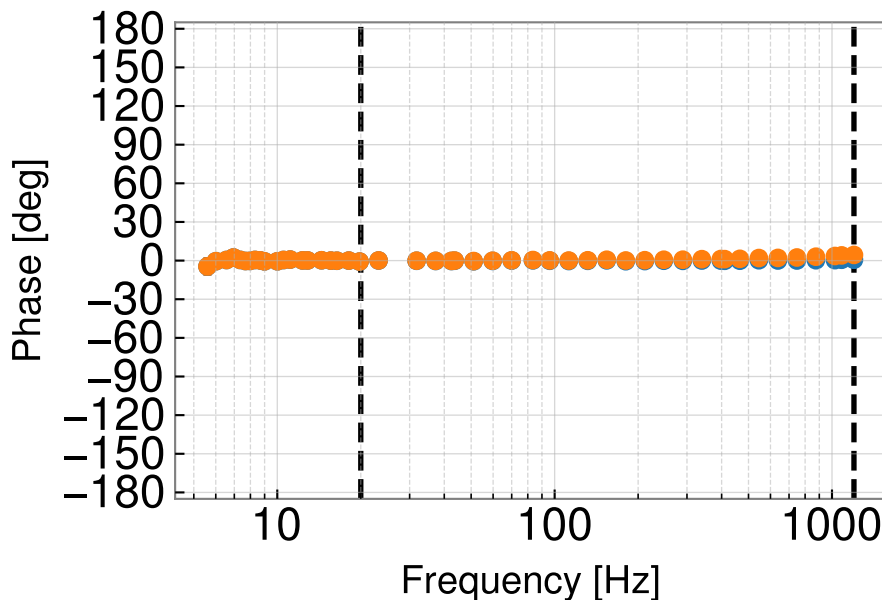
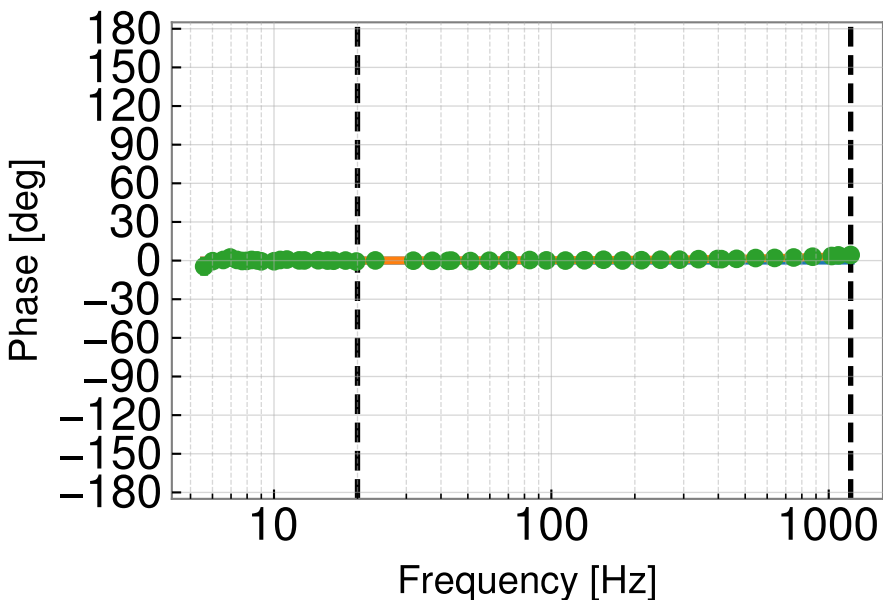
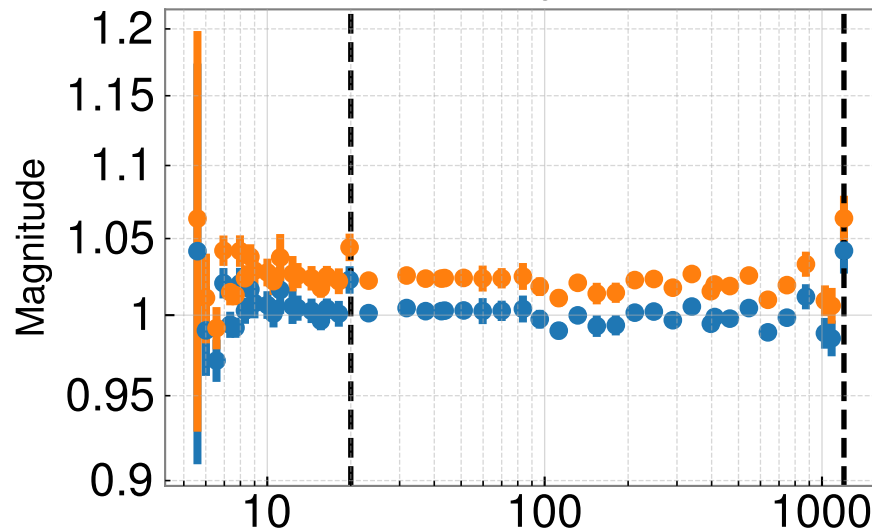
All fixed parameters are drawn from pydarm_H1.ini



Actuation strength transfer functions



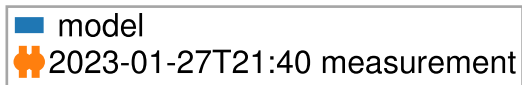
Actuation strength residuals



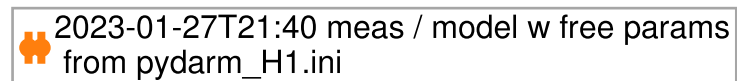
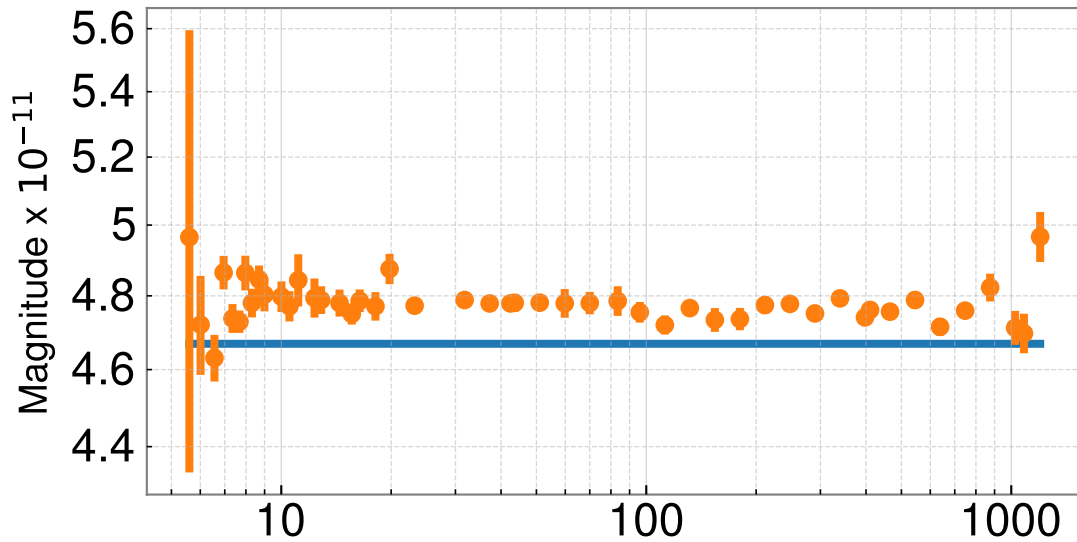
Parameter	(value +/-) value	+	-
Gain, H_A (N/V**2)	4.767e-11	3.772e-14 (0.00%)	3.793e-14 (0.00%)
Residual time delay, tau_c (s)	-8.682e-06	3.369e-07 (-0.04%)	3.361e-07 (-0.04%)
Gain, H_A (N/ct)	5.09e-12	4.027e-15 (0.00%)	4.05e-15 (0.00%)

H1SUSSETMX L3 actuation model history

All fixed parameters are drawn from pydarm_H1.ini



Actuation strength transfer functions



Actuation strength residuals

