H1 sensing model MCMC summary



Parameter	(value +/-)	value	+	-
Optical gain, H_c (ct/m) Cavity_pole, f_cc (Hz) Detuned SRC spring frequenc Detuned SRC spring quality Residual time delay, tau_c	cy, f_s (Hz) factor, Q_s (s)	3.51e+06 433.9 5.982 17.85 -1.313e-06	<pre> 2868 (0.08%) 0.7471 (0.17%) 0.06055 (1.01%) 2.046 (11.46%) 2.966e-07 (-22.59%)</pre>	2885 (0.08%) 0.7481 (0.17%) 0.06035 (1.01%) 1.624 (9.10%) 2.968e-07 (-22.60%)



H1 sensing model history (last 9 measurements)







H1SUSEX L1 actuation model MCMC summary



20250215T193721Z EX L1 actuation MCMC corner plot







 $\Delta \tau_A$



H1SUSEX L1 actuation model history (last 9 measurements) All fixed parameters drawn from /ligo/groups/cal/H1/reports/20250215T193653Z/pydarm_H1.ini



H1SUSEX L2 actuation model MCMC summary



20250215T193721Z EX L2 actuation MCMC corner plot





H_{PUM}

 $\Delta \tau_A$

 $\Delta \tau_A$

H1SUSEX L2 actuation model history (last 9 measurements)



H1SUSEX L3 actuation model MCMC summary



20250215T193721Z EX L3 actuation MCMC corner plot





H_{TST}

 $\Delta \tau_A$

 $\Delta \tau_A$

H1SUSEX L3 actuation model history (last 9 measurements)











Res Corr comparison (gstlal_compute_strain_C00_filters_H1.npz)



Ratio of Res Corr comparison (gstlal_compute_strain_C00_filters_H1.npz)



Res Corr No CC Pole comparison

(gstlal_compute_strain_C00_filters_H1.npz)



Ratio of Res Corr No CC Pole comparison

(gstlal_compute_strain_C00_filters_H1.npz)







Ratio of Res Corr No Pole

comparison (gstlal_compute_strain_C00_filters_H1.npz)







Nonsens corrections comparison (gstlal_compute_strain_C00_filters_H1.npz)



Ratio of Nonsens corrections comparison (gstlal_compute_strain_C00_filters_H1.npz)





Residual corrections highpass comparison (gstlal_compute_strain_C00_filters_H1.npz)



Ratio of Residual corrections highpass comparison (gstlal_compute_strain_C00_filters_H1.npz)





Ratio of TST corrections comparison

(gstlal_compute_strain_C00_filters_H1.npz)







Ratio of PUM corrections comparison

(gstlal_compute_strain_C00_filters_H1.npz)





UIM corrections comparison

(gstlal_compute_strain_C00_filters_H1.npz)



Ratio of UIM corrections comparison

(gstlal_compute_strain_C00_filters_H1.npz)



