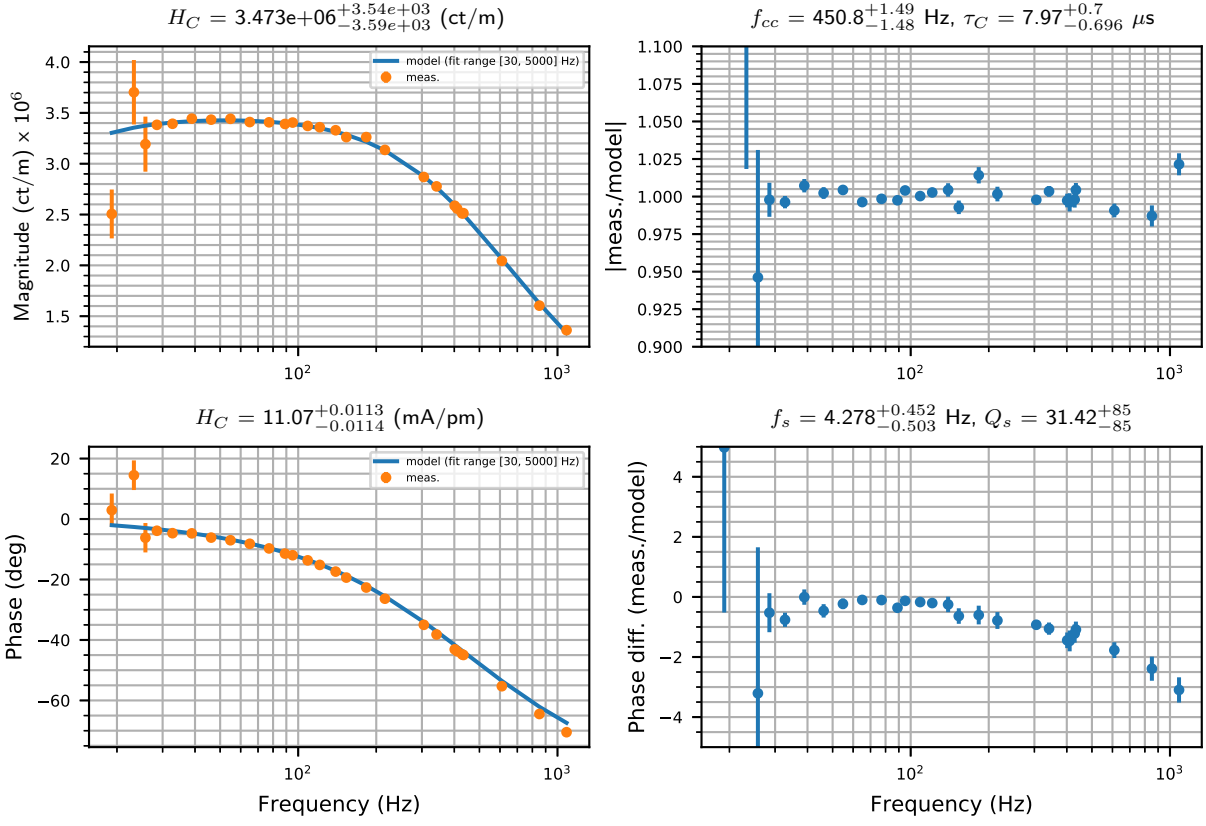
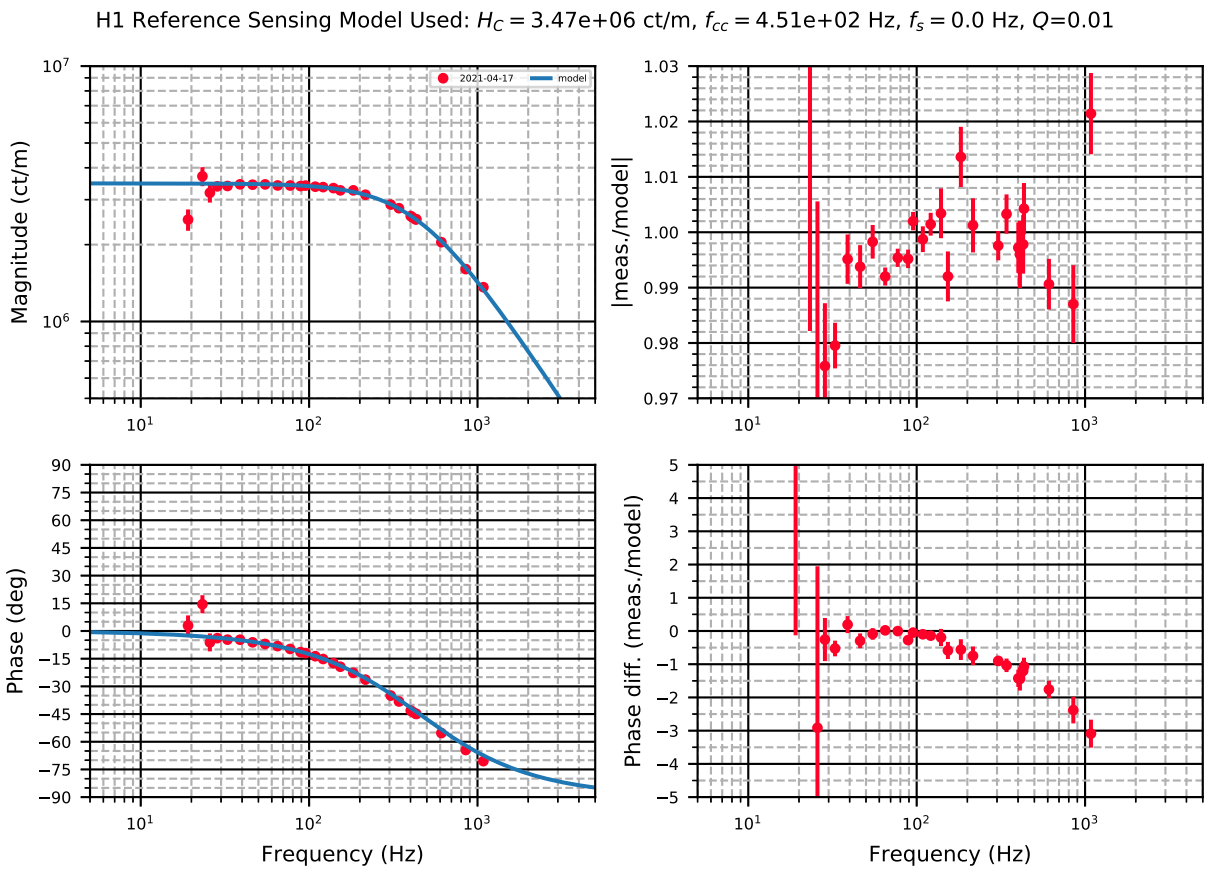
H1 sensing function measurement: 2021-04-17




H1 Reference Sensing Model Used: $H_C = 3.47e+06$ ct/m, $f_{cc} = 4.51e+02$ Hz, $f_s = 0.0$ Hz, Q=0.01
2021-04-17
model
Magnitude (ct/m)
|meas./model|
Phase (deg)
Phase diff. (meas./model)
Frequency (Hz)
Frequency (Hz)

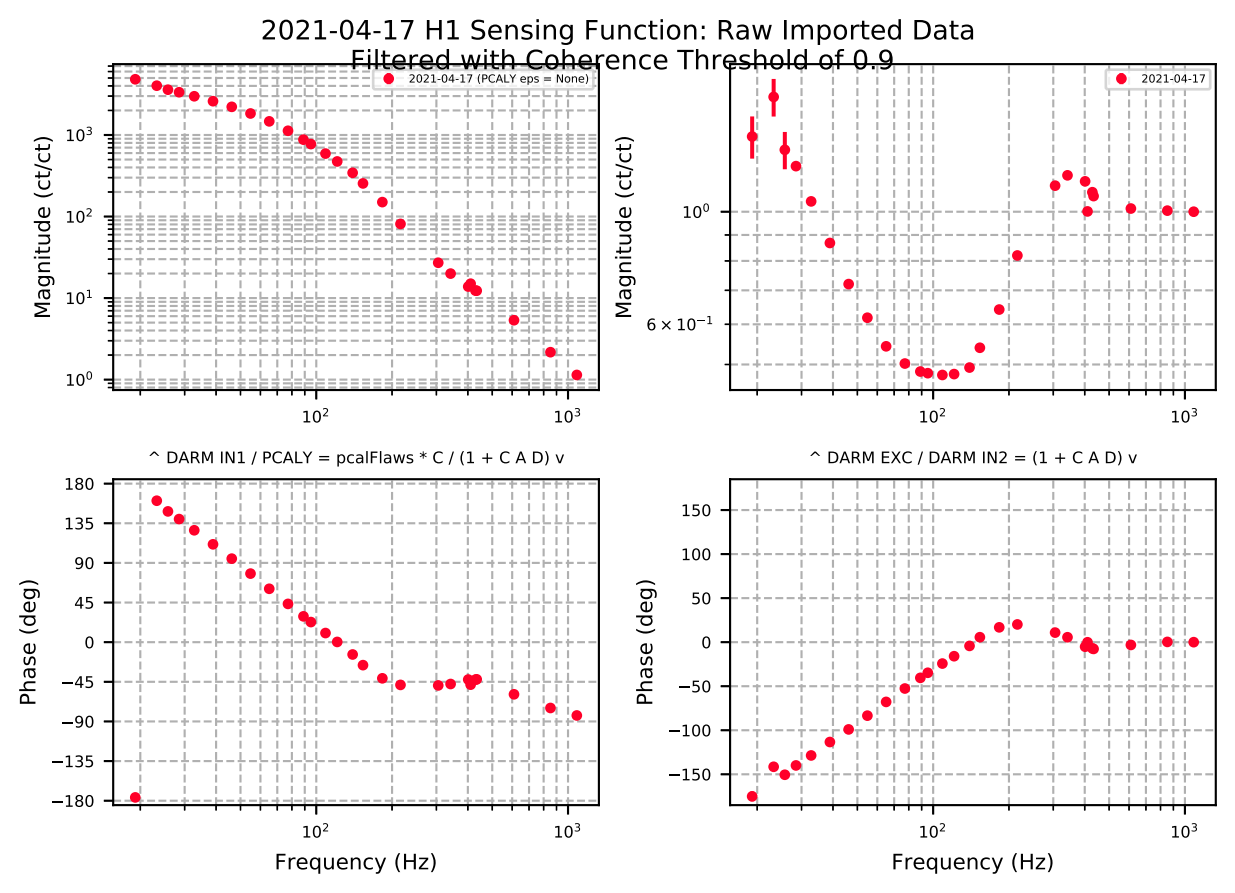
2021-04-17 H1 Sensing Function: MCMC Corner Plot

2D PDF Contours
1σ
2σ
3σ
MAP
1D PDF bins: 100

H_C (ct/m) = $3.473e+06^{+3.542e+03}_{-3.585e+03}$
f_{cc} (Hz) = $4.508e+02^{+1.494e+00}_{-1.479e+00}$
f_s (Hz) = $4.278e+00^{+4.518e-01}_{-5.034e-01}$
Q^{-1} = $3.183e-02^{+1.319e-02}_{-1.176e-02}$
τ_C (μs) = $7.974e+00^{+7.001e-01}_{-6.961e-01}$

1D Norm. PDF (Percent per bin)

H_C (ct/m) $\times 10^6$: 3.456, 3.464, 3.472, 3.480, 3.488
f_{cc} (Hz) $\times 10^2$: 4.44, 4.48, 4.52, 4.56
f_s (Hz): 1.5, 3.0, 4.5, 6.0
Q^{-1} $\times 10^{-1}$: 0.8, 1.6, 2.4, 3.2
τ_C (μs) $\times 10^1$: 0.60, 0.75, 0.90, 1.05


2021-04-17 H1 Sensing Function: Raw Imported Data
Filtered with Coherence Threshold of 0.9
2021-04-17 (PCALY eps = None)
Magnitude (ct/ct)
2021-04-17
Magnitude (ct/ct)
^ DARM IN1 / PCALY = pcalFlaws * C / (1 + C A D) v
Phase (deg)
Frequency (Hz)
^ DARM EXC / DARM IN2 = (1 + C A D) v
Phase (deg)
Frequency (Hz)