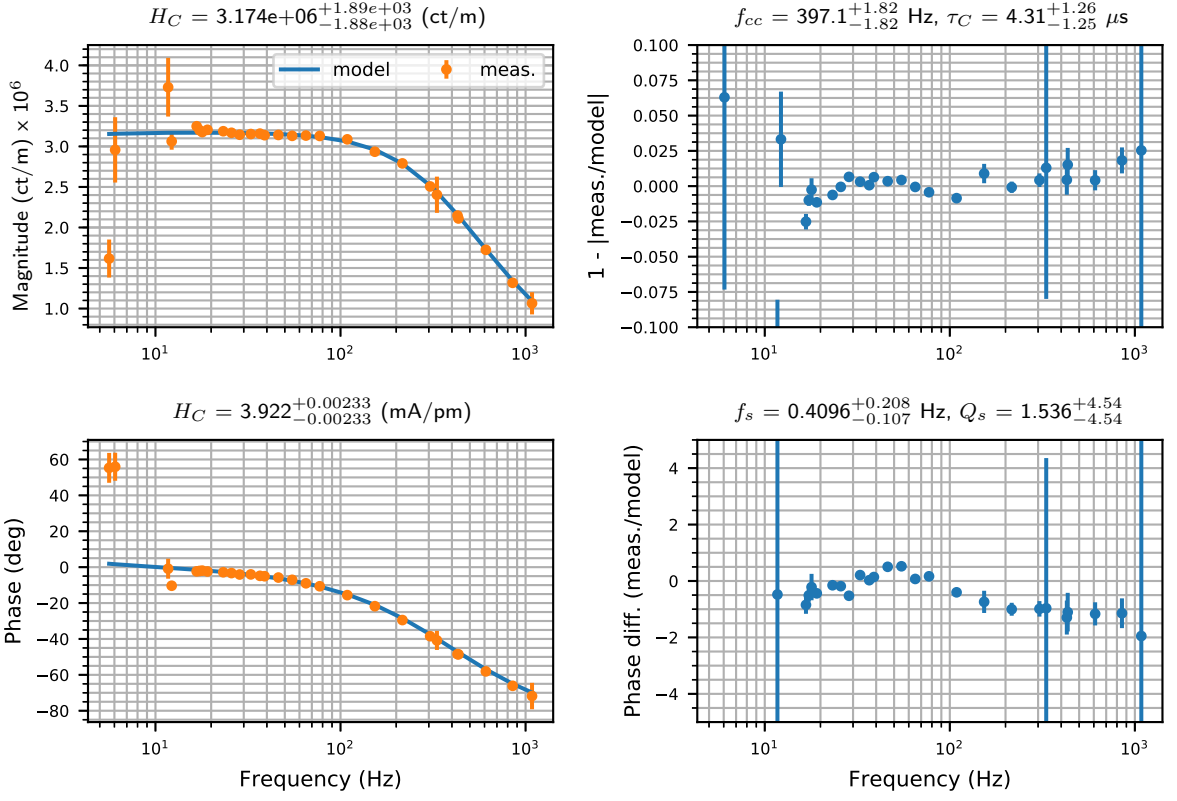
H1 sensing function measurement: 2019-02-19



H_C (ct/m) = $3.174e+06^{+1888}_{-1883}$

f_{cc} (Hz) = $397.1^{+1.824}_{-1.815}$

f_s (Hz) = $0.4096^{+0.208}_{-0.1068}$

Q^{-1} = $0.6512^{+0.228}_{-0.2203}$

τ_C (μs) = $4.307^{+1.259}_{-1.251}$

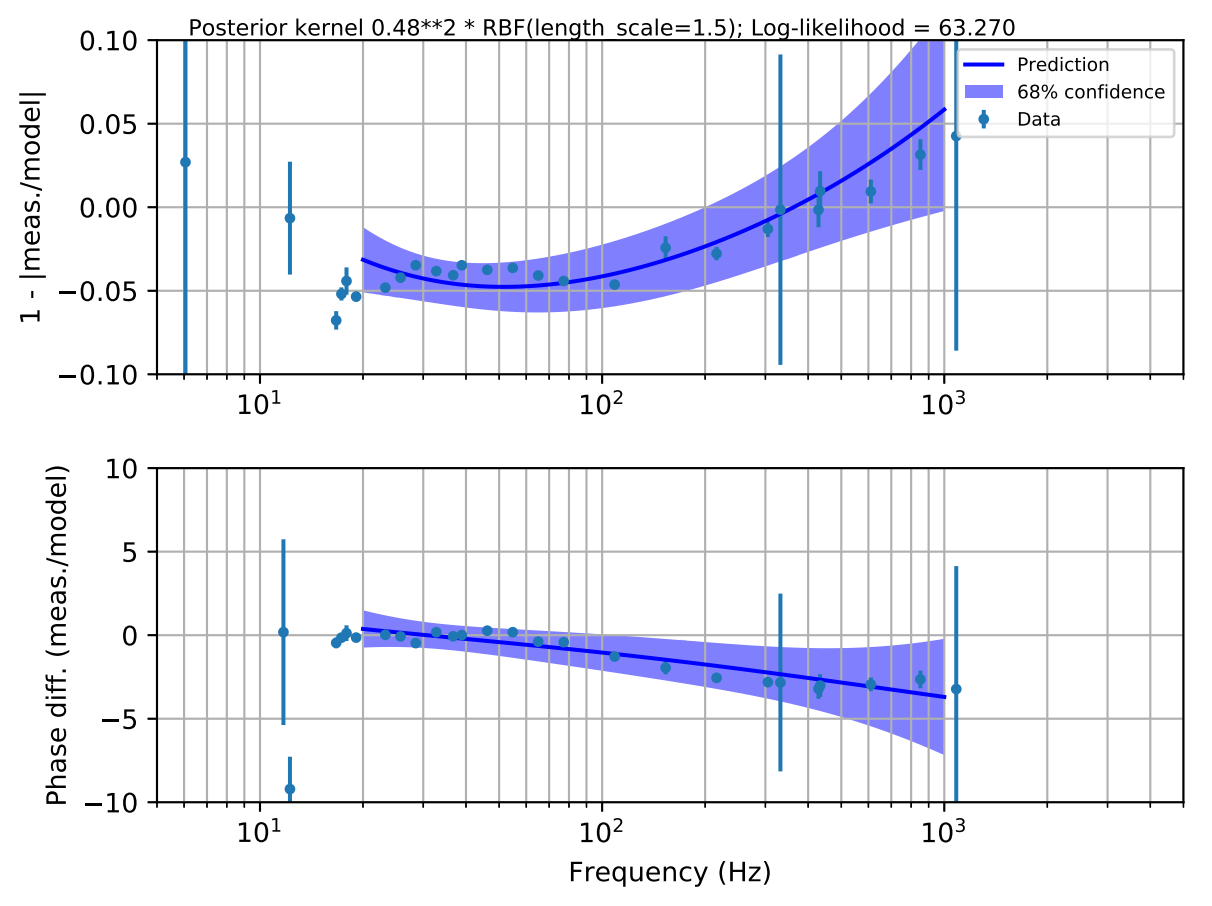
H_C (ct/m)

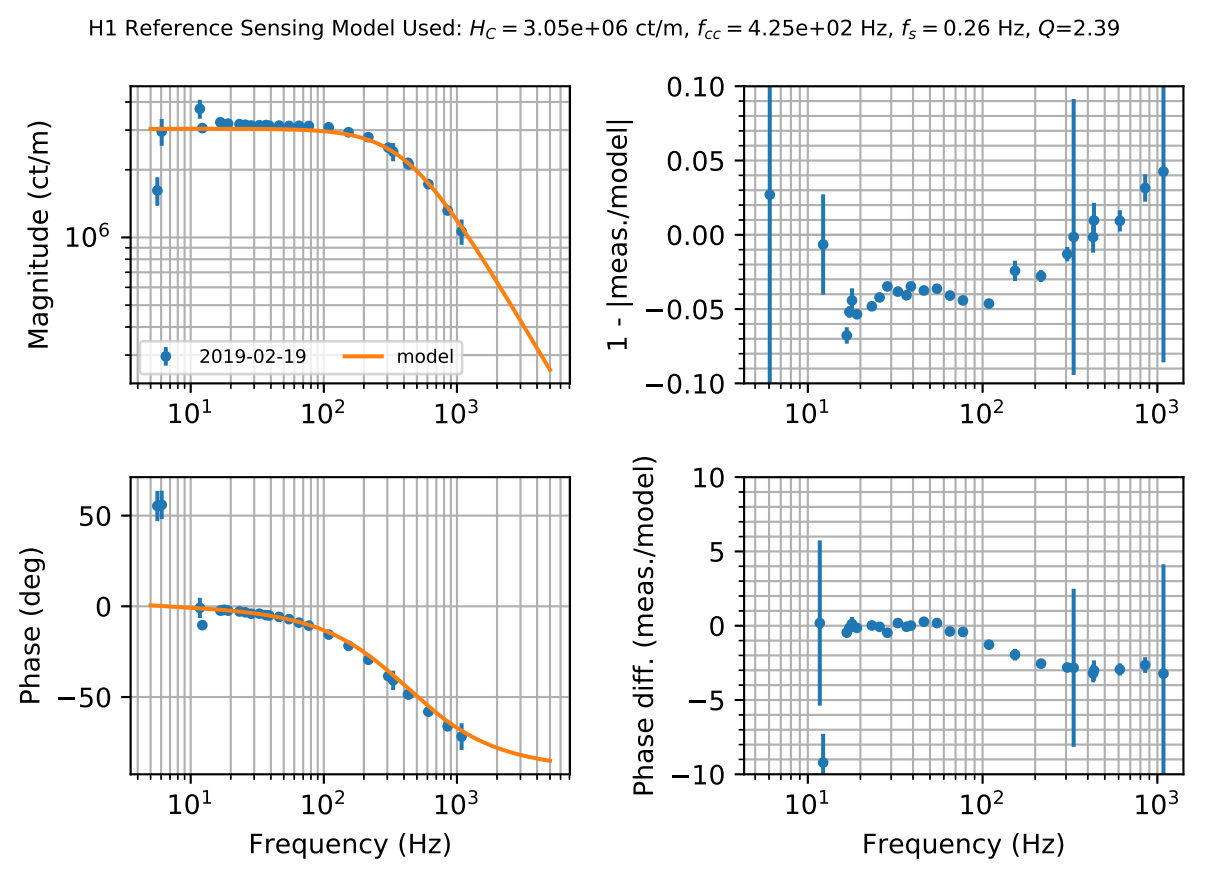
f_{cc} (Hz)

f_s (Hz)

Q^{-1}

τ_C (μs)


Posterior kernel 0.48**2 * RBF(length_scale=1.5); Log-likelihood = 63.270
Prediction
68% confidence
Data
1 - |meas./model|
0.10
0.05
0.00
−0.05
−0.10
10^1
10^2
10^3
Phase diff. (meas./model)
10
5
0
−5
−10
Frequency (Hz)


H1 Reference Sensing Model Used: H_C = 3.05e+06 ct/m, f_{cc} = 4.25e+02 Hz, f_s = 0.26 Hz, Q=2.39
Magnitude (ct/m)
10^6
2019-02-19
model
1 - |meas./model|
0.10
0.05
0.00
−0.05
−0.10
Phase (deg)
50
0
−50
Phase diff. (meas./model)
10
5
0
−5
−10
10^1
10^2
10^3
Frequency (Hz)