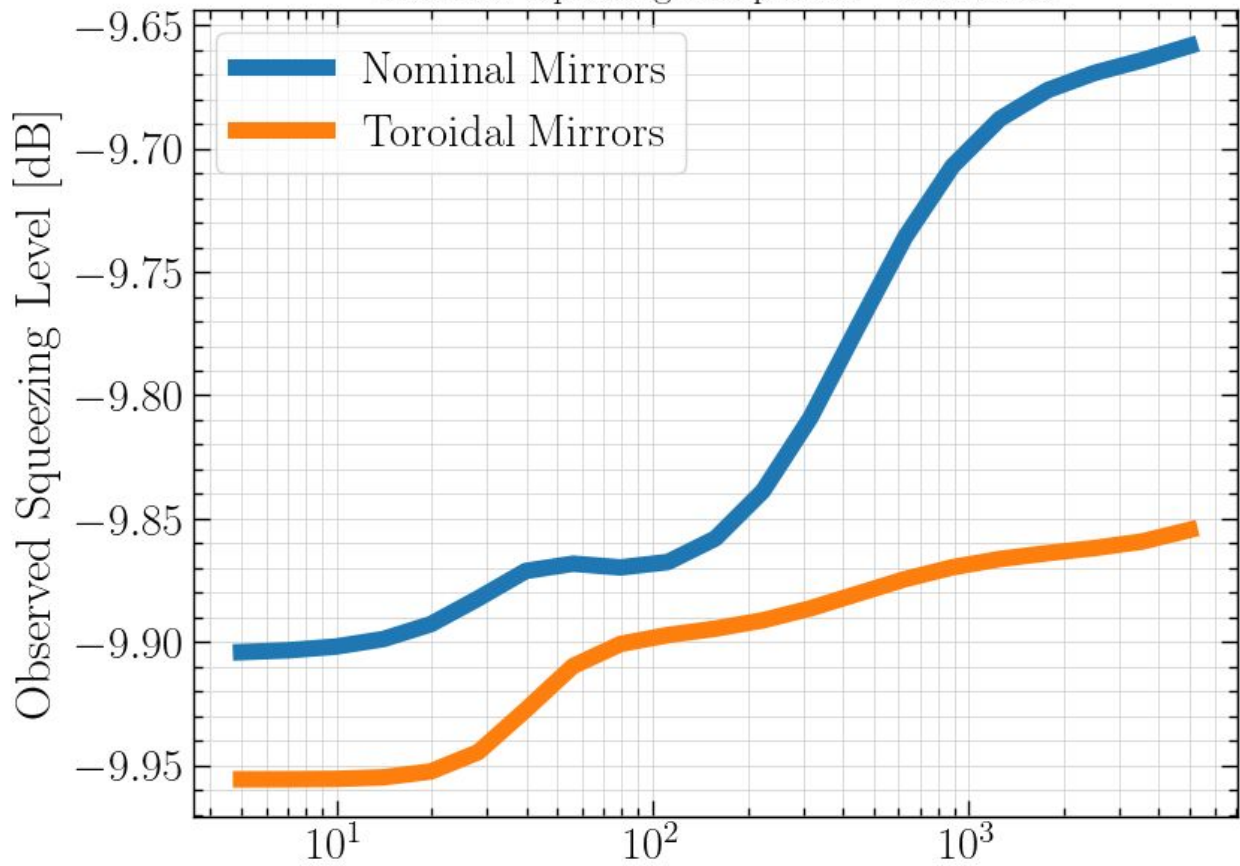


# Update

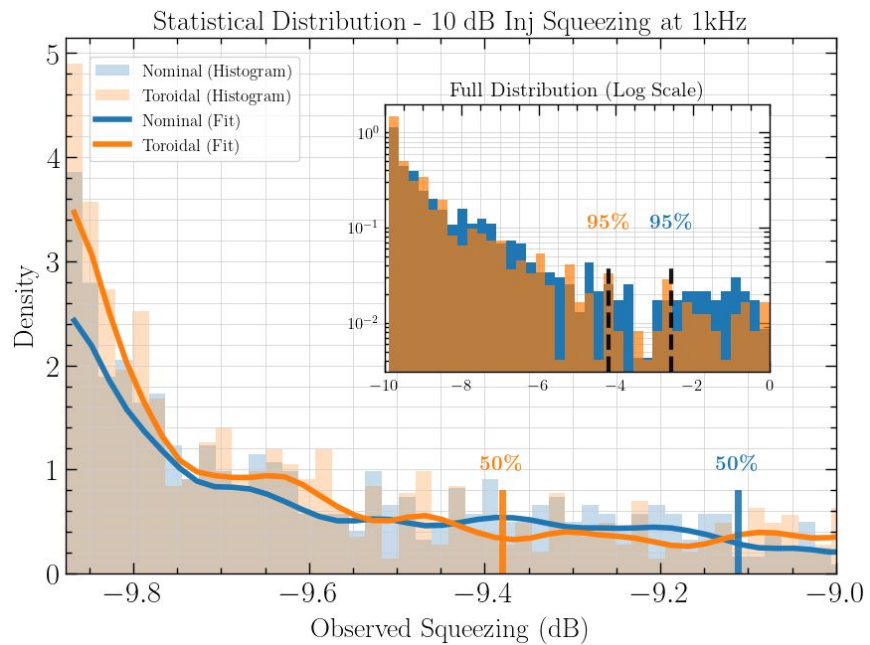
4/2/26

Observed Squeezing Comparison - Cold State

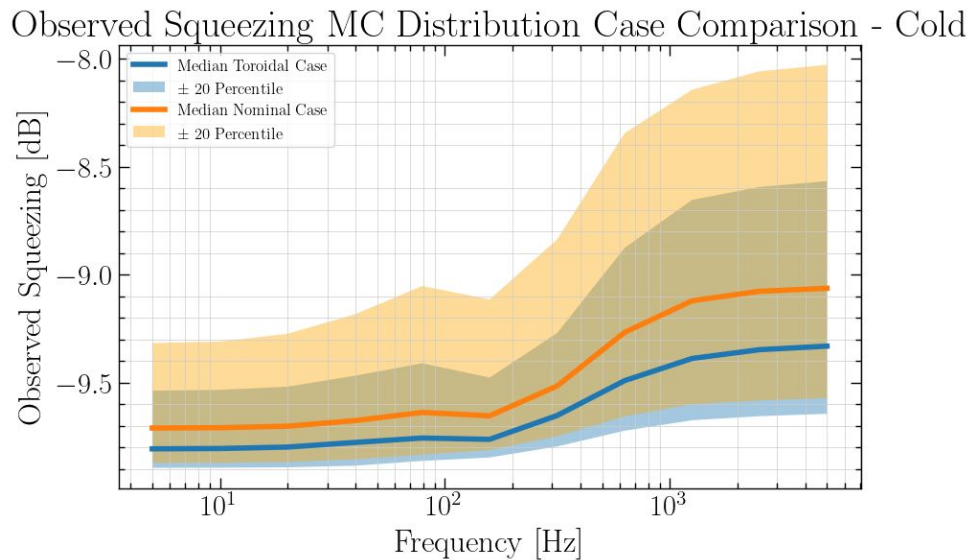


Cold State, No Errors

Signal Frequency [Hz]

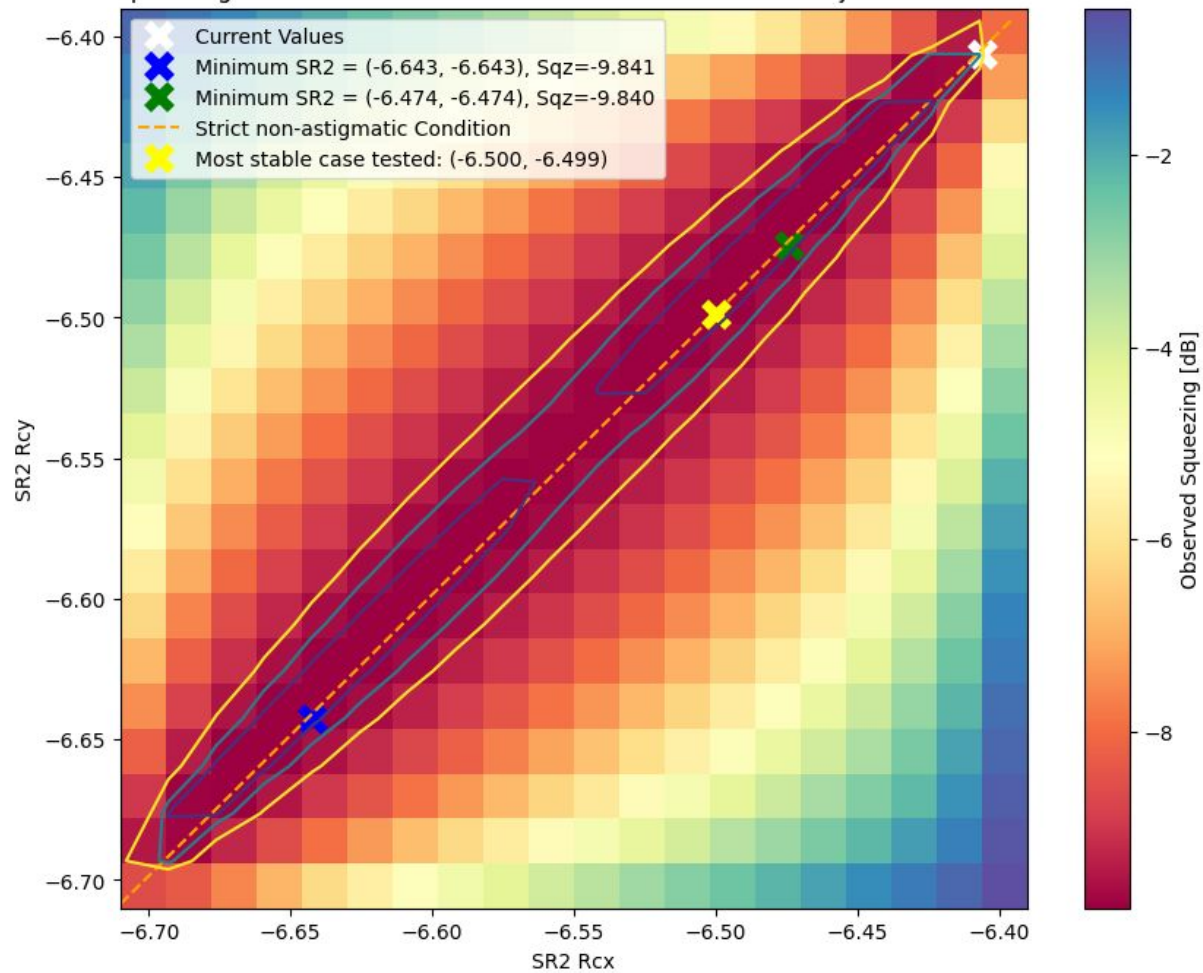


Cold State, 1000 trials



Cold State, 200 trials

Observed Squeezing as a Function of SR2 Radii of Curvature - 10 dB Injected - Maxtem=10 - Cold



# Questions

- Should we incorporate the more realistic model of squeezing in the interferometer? Will this help with debugging the strange squeezing behavior?