

SU update:
Two-point measurements at $Re_\tau \approx 5000$

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Data completed thus far:

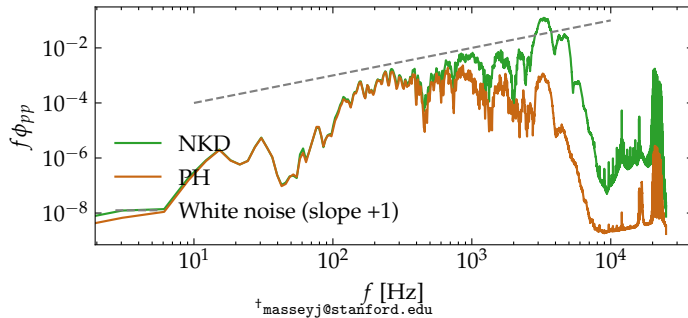
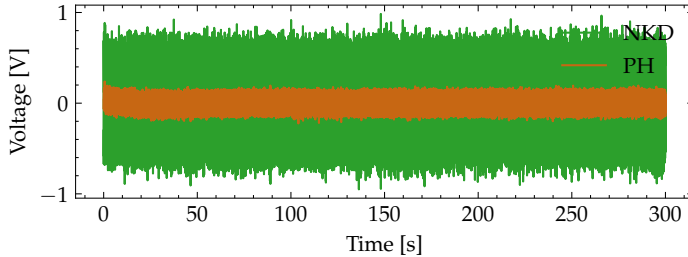
Pressure (psi)	0	30	50	70	100
Re_τ	1,500	3,500	5,000	6,500	8,000

Two point:

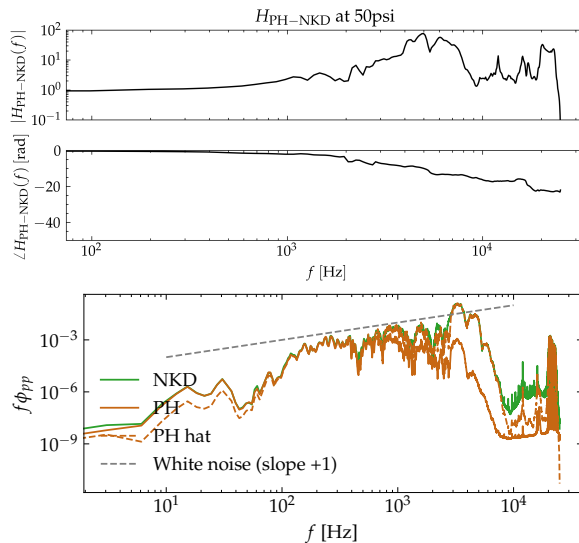
Pressure (psi)	0	50	100
Re_τ	1,500	5,000	8,000

Calibration in-progress

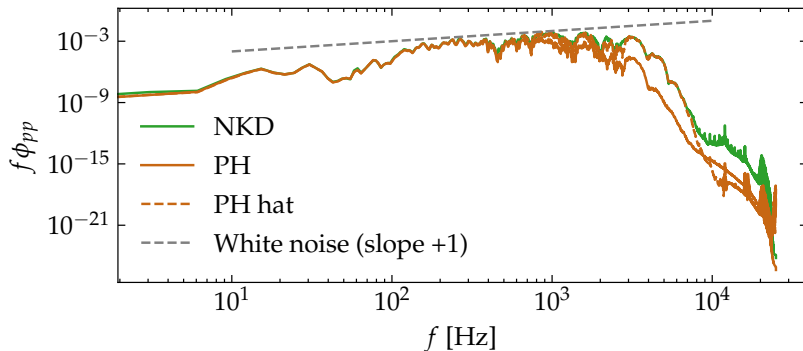
Raw calibration signals



TF and reconstructed spectra shows we need to filter

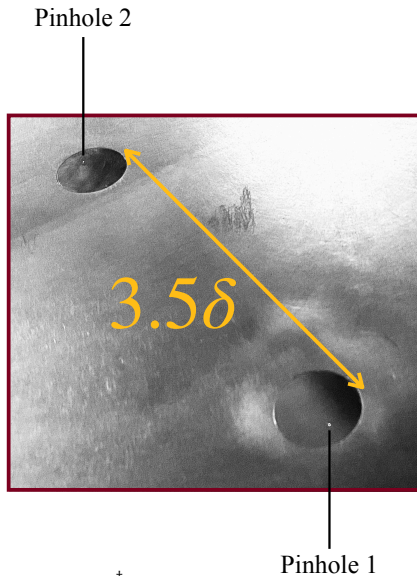


After filtering the calibration signals match well

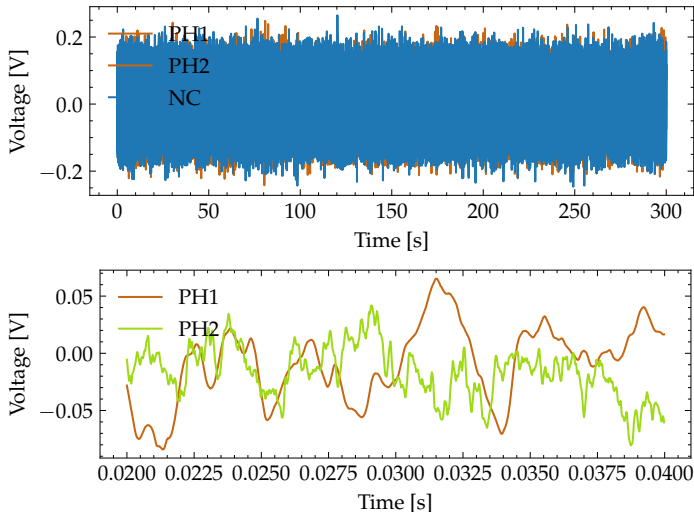


In the ongoing measurements, we will apply this LP filter in real-time to avoid aliasing.

2-point measurements at 50psi ($Re_\tau \approx 5000$)



2-point measurements at 50psi ($Re_\tau \approx 5000$)



This demonstrates the need for a per-pinhole calibration (ongoing).

