$\Delta B_0 = 35 \mu\text{T}$

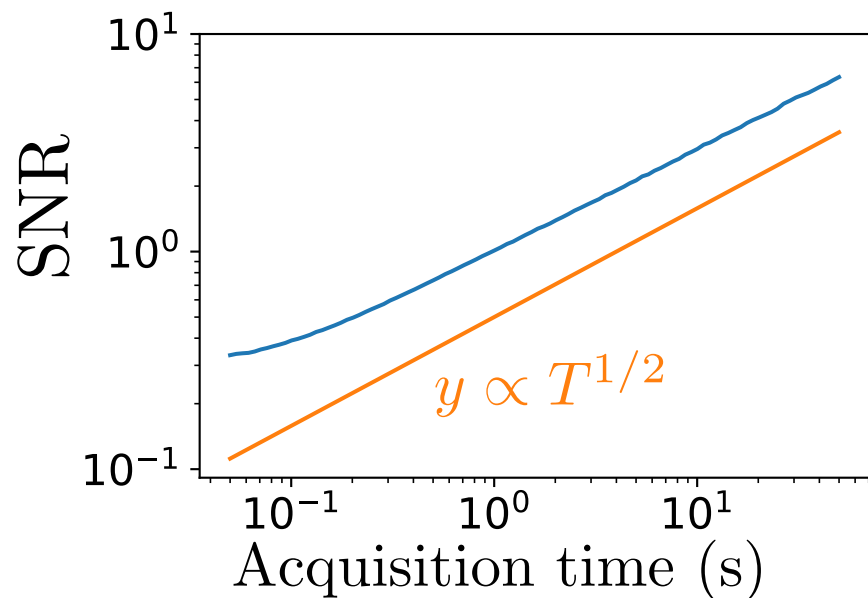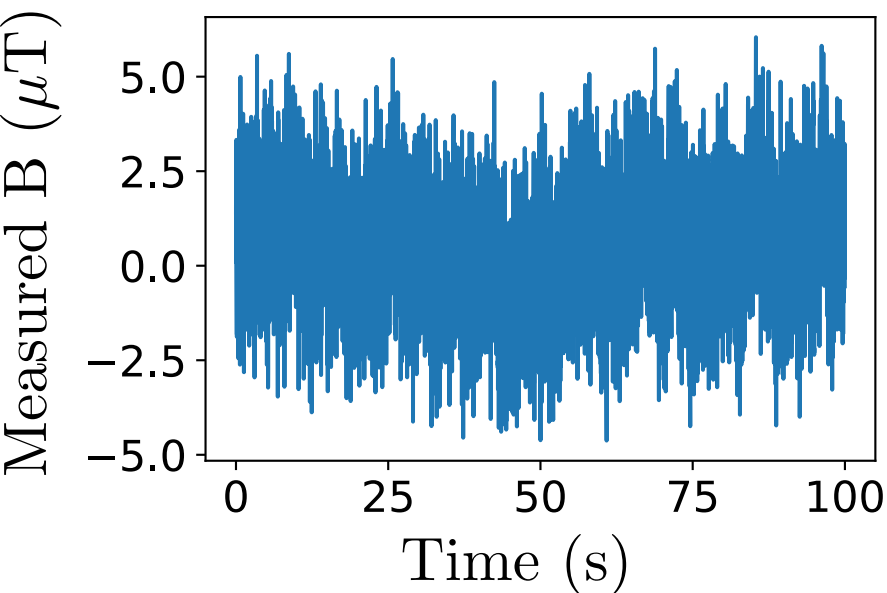Low pass filter $\tau = 3$ ms $\qquad \sqrt{\langle \delta B^2 \rangle} \approx 1.2 \ \mu\text{T}$

$\rightarrow$ sensitivity $\eta = \sqrt{2\tau \langle \delta B^2 \rangle} \approx 116 \ \text{nT}/\sqrt{\text{Hz}}$

$y \propto T^{1/2}$

Temporal stability up to 100+ seconds without feedback