variance σ^2 vs inferred mean signal 10^{4} 10³ 10^{3} 10^{2} 10^{2} 10^{1} $\tau = 1$ s, $N_{\text{rebin}} = 1$ $\tau = 10s, N_{\text{rebin}} = 7$ recorded @ 20Hz 10^{1} 10^{2} 10^{3} 10^{2} 10^{3} 10^{4} 10^{6} 10^{5} satúrated 10^{4} 10^{3} $\tau = 10$ s, $N_{\text{rebin}} = 3$ recorded @ 10Hz 10^{3} 10^{5}