

HI Sensitivity Diagnostics - Planning Report

Prospecting files: 190

Initially planned N: 15

Target RMS: 2.0000 K

Observed RMS (stack): 0.5106 K

Theoretical RMS (median file): 0.1306 K

Estimated systematic floor: 0.5105 K

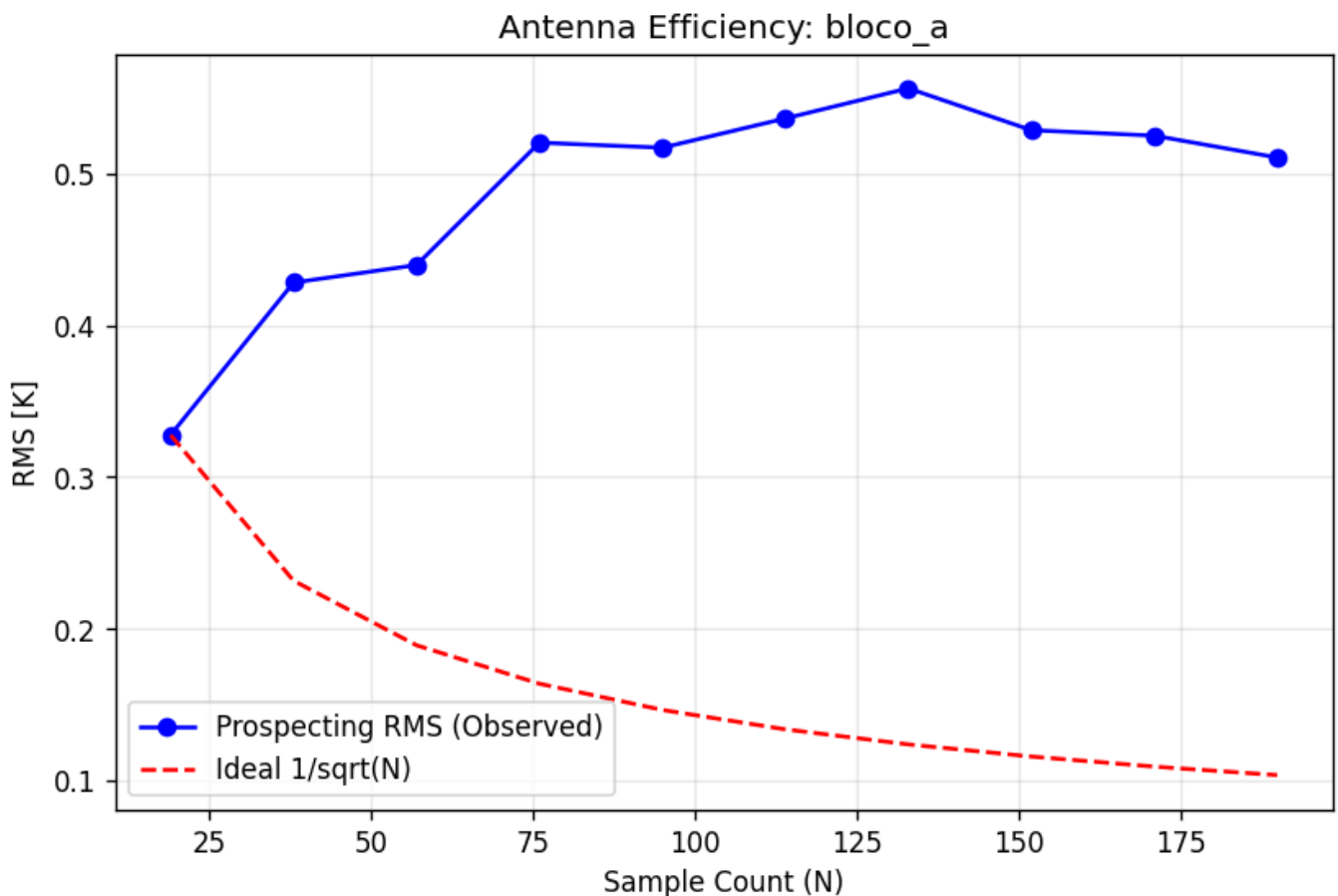
Note: σ_{sys} is estimated via quadratic decomposition. Thermal regime criterion adopted: $R_{\text{max}} = 1.3$.

CAMPAIGN STRATEGY ADVICE:

SUCCESS: Your planned N=15 is sufficient to reach the target.

ADVICE: Proceed with the campaign as originally scheduled.

Pipeline hint: set 'max_rms' to 2.0909 K



Allan Deviation (Diagnostic)

This plot is diagnostic only. It helps evaluate stability and whether increasing τ_s is beneficial compared to increasing N.

Estimated stability optimum (minimum Allan deviation): $\tau_s \approx 60.0$ s

