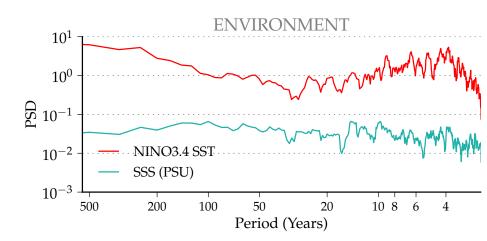
PROXY SYSTEM MODEL: CORAL δ¹⁸O

Simulated MTM Spectra for each Signal Transformation, Palmyra Island

INPUTS:

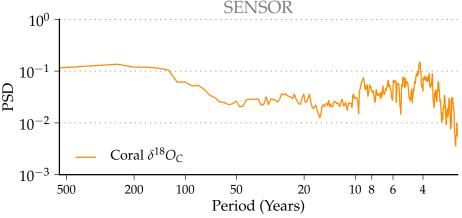
SST, SSS, $\delta^{18}O_{SW}$





$$\delta^{18}O_c = \alpha \cdot SST_a + \delta^{18}O_{sw} + \epsilon_b$$



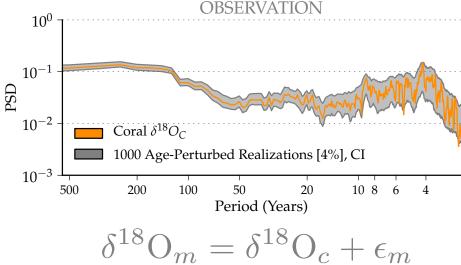


OBSERVATION:

Layer Counting (BAM) Isotope Analysis

$$t_{i} = t_{i-1} - 1 - \Delta_{i}$$

$$\Delta_{i} = 1 + P_{i}^{\theta_{1}} - \min(P_{i}^{\theta_{2}}, 1)$$



$$\delta^{18} \mathcal{O}_m = \delta^{18} \mathcal{O}_c + \epsilon_m$$