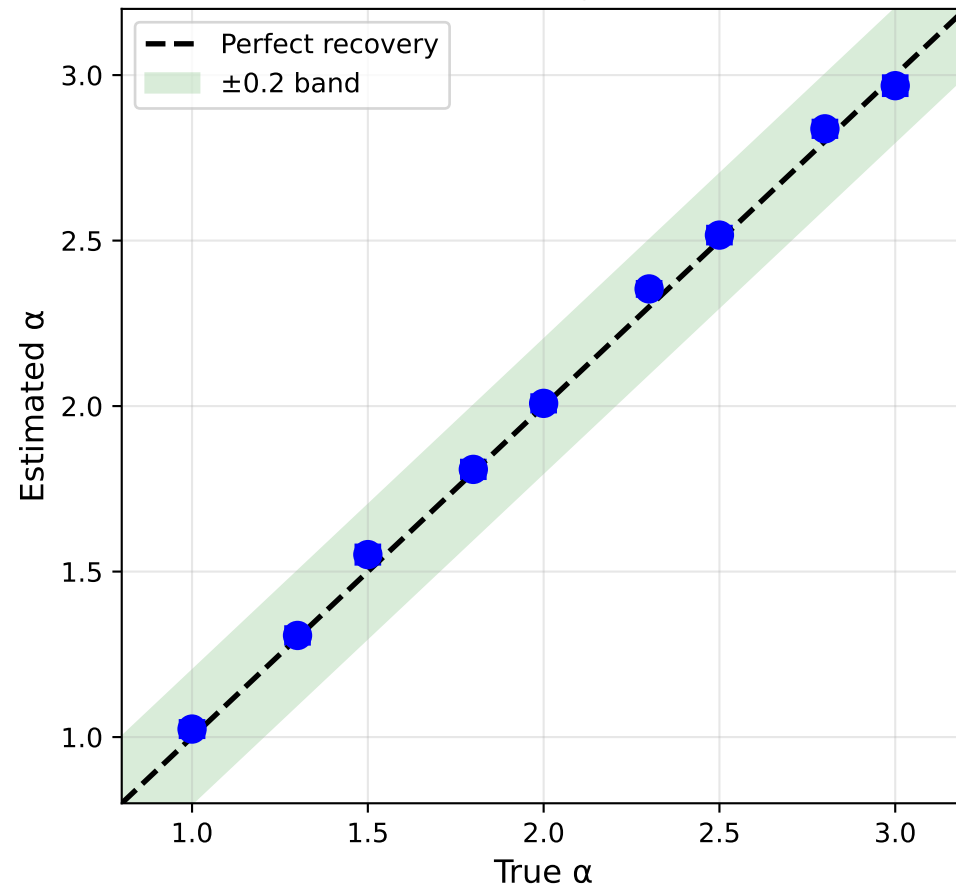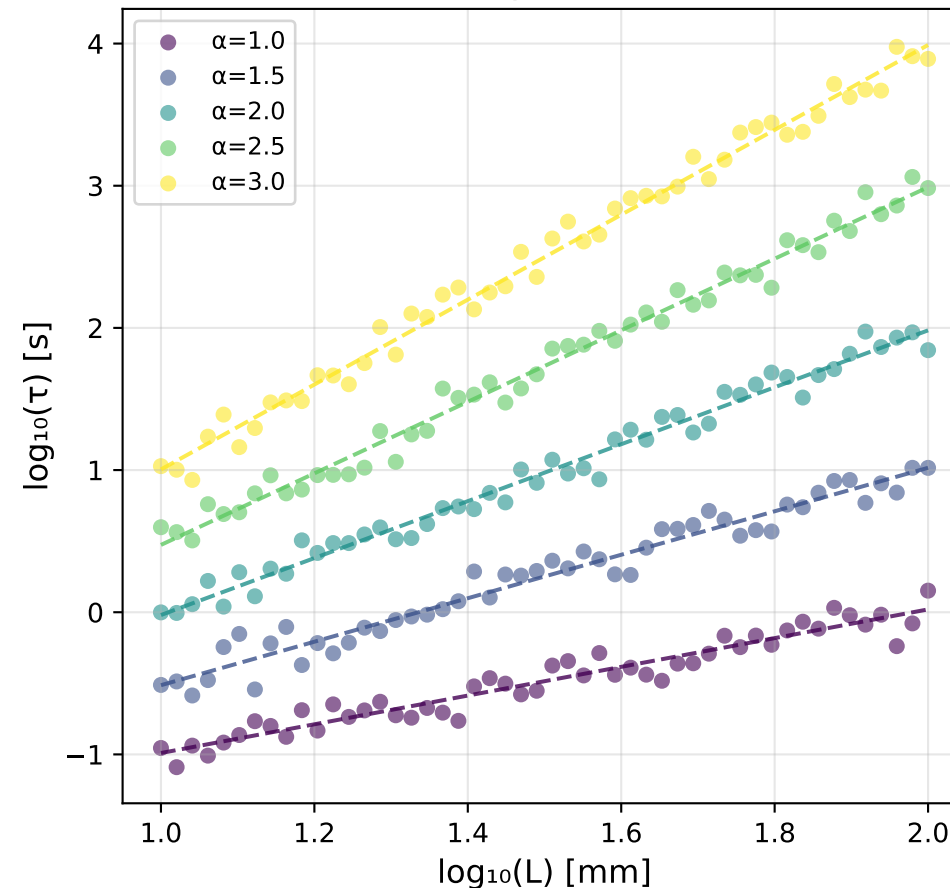**S2: RTM-Neuro α Estimation Methodology Validation**
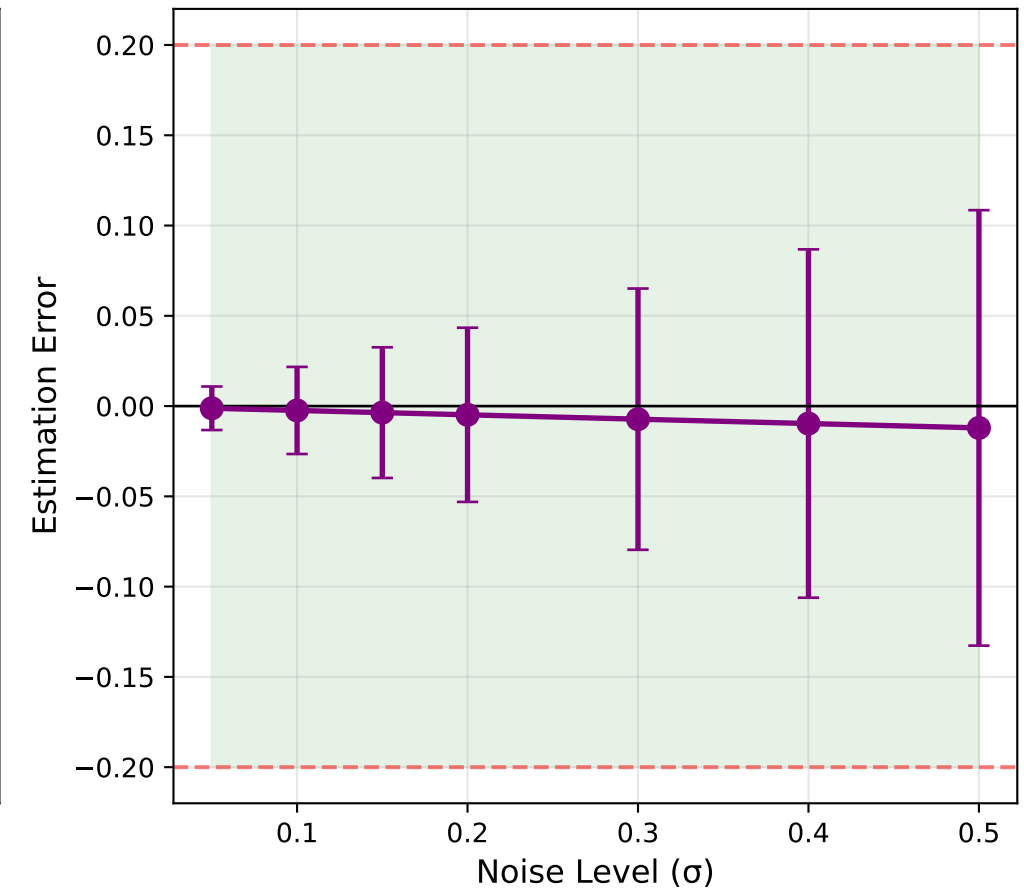
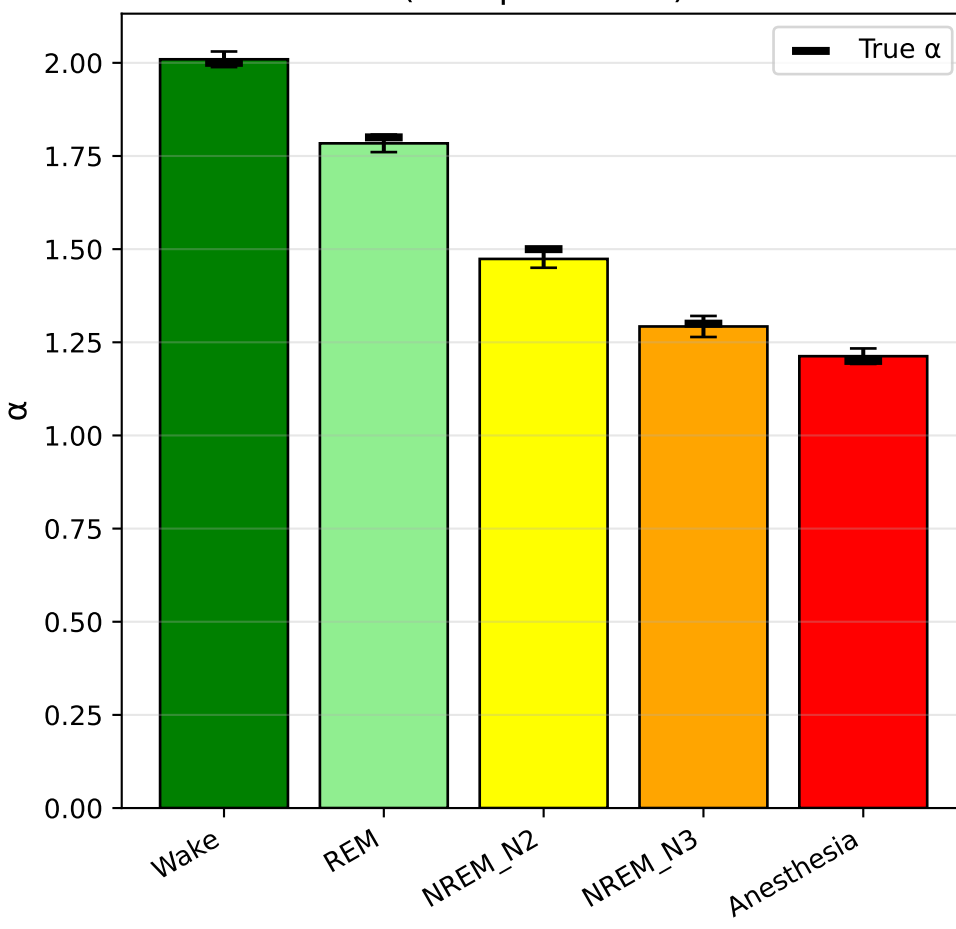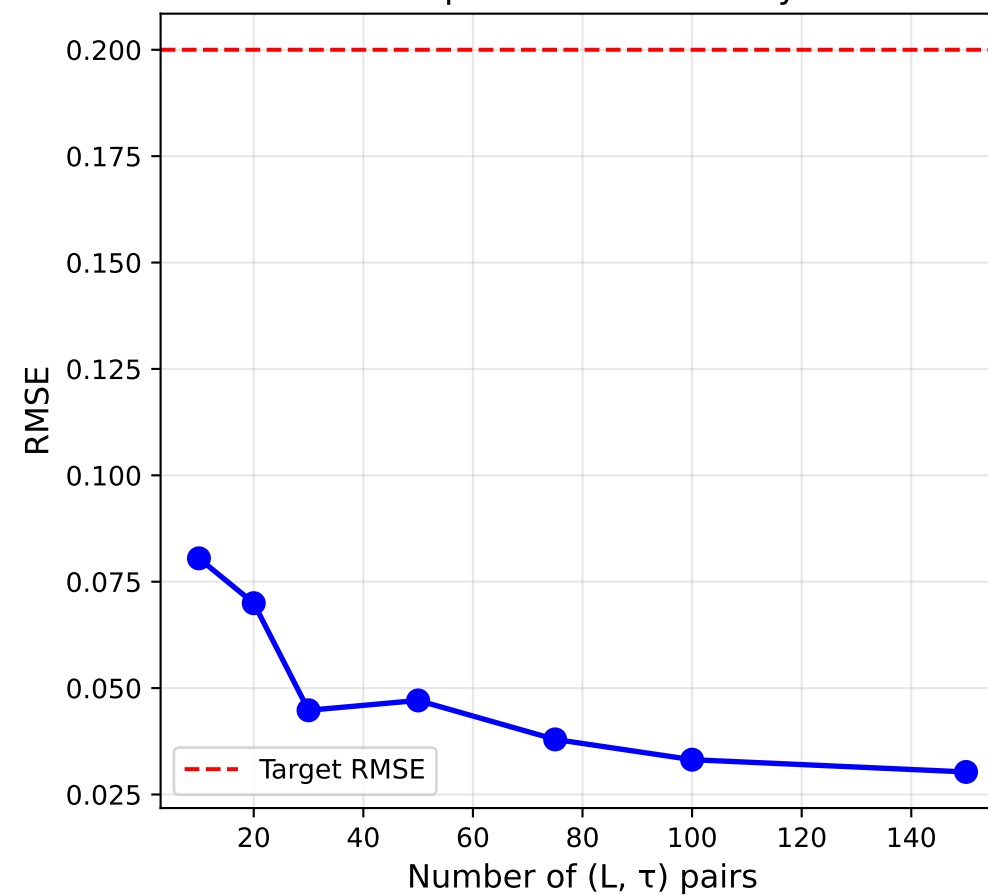α Recovery Accuracy (Theil-Sen regression); Log-Log Scaling: τ vs L (slope = α); Noise Robustness (true α = 2.0); State Discrimination via α (RTM prediction); Sample Size vs Accuracy; Collapse Test (variance reduction)