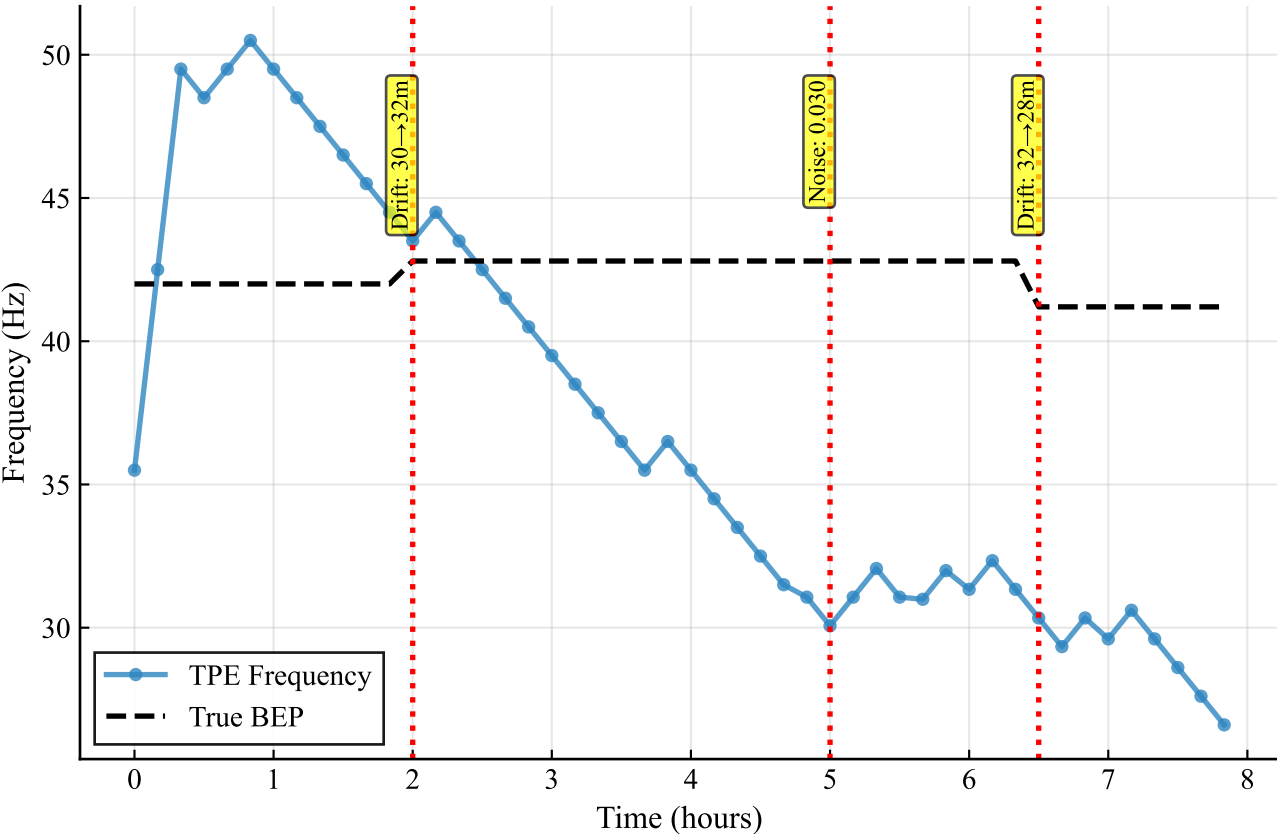
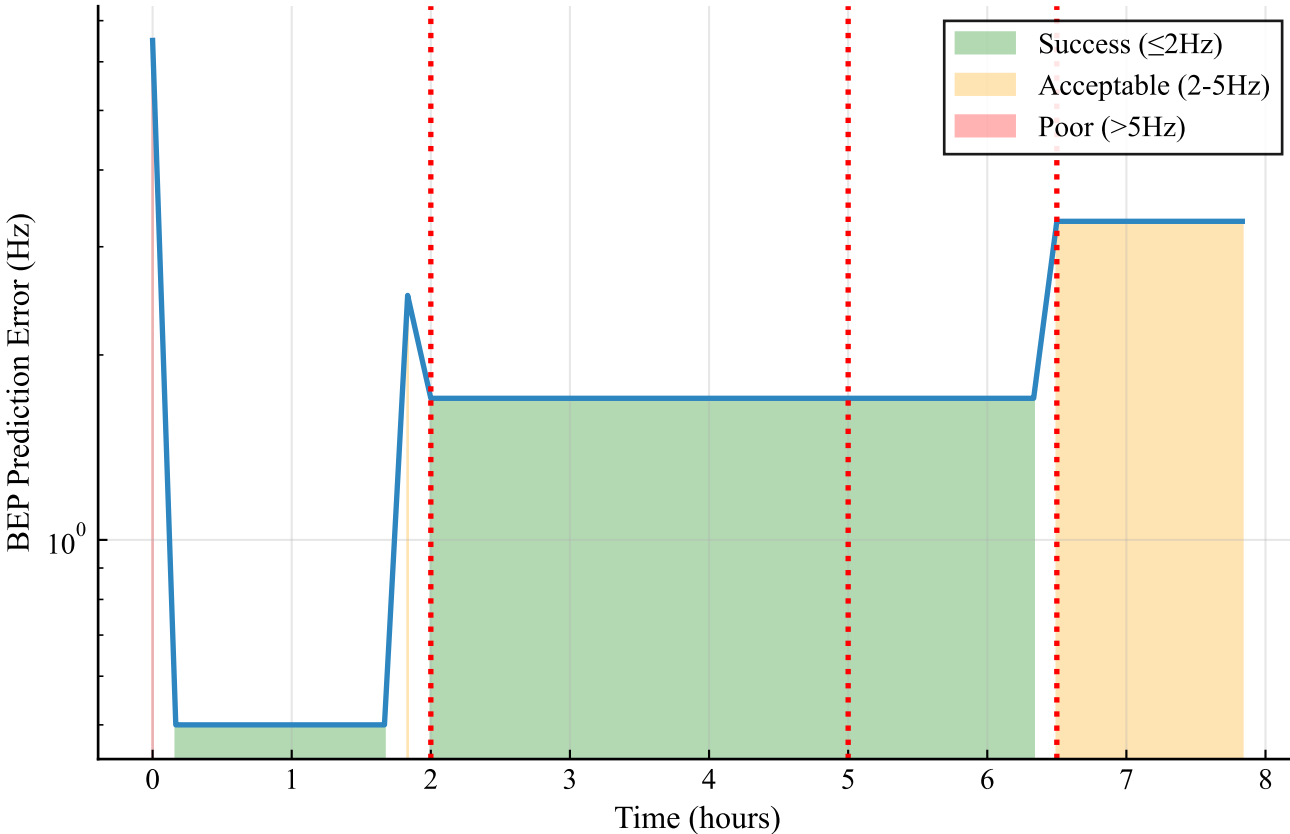


Long-term BEP Tracking Implementation Demo

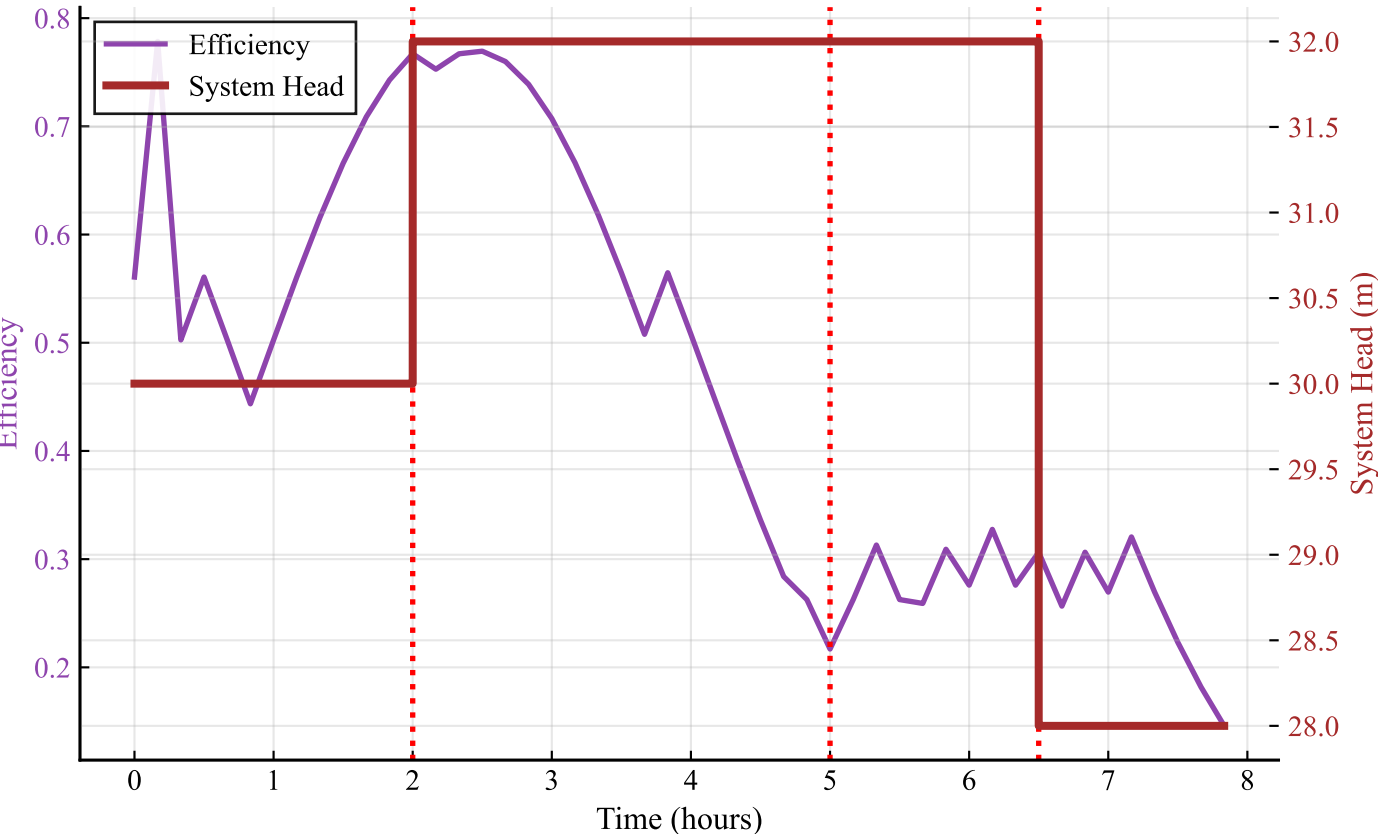
(a) Long-term Frequency Tracking



(b) Long-term Error Evolution



(c) System State Monitor



LONG-TERM PERFORMANCE DASHBOARD

Scenario: Maintenance Optimization
Duration: 8.0 hours
Total Iterations: 48
Update Rate: 6.0 updates/hour

ACCURACY METRICS

Final Error: 3.30 Hz
Converged Mean Error: 2.46 Hz
TPE Convergence Time: 5.0 hours

ADAPTATION PERFORMANCE

APPLICATION CONTEXT:

- Time Scale: hours
- Suitability: high for this scenario
- Best For: High for long-term optimization, Low for rapid response

△ PARTIAL SUCCESS - Consider parameter tuning