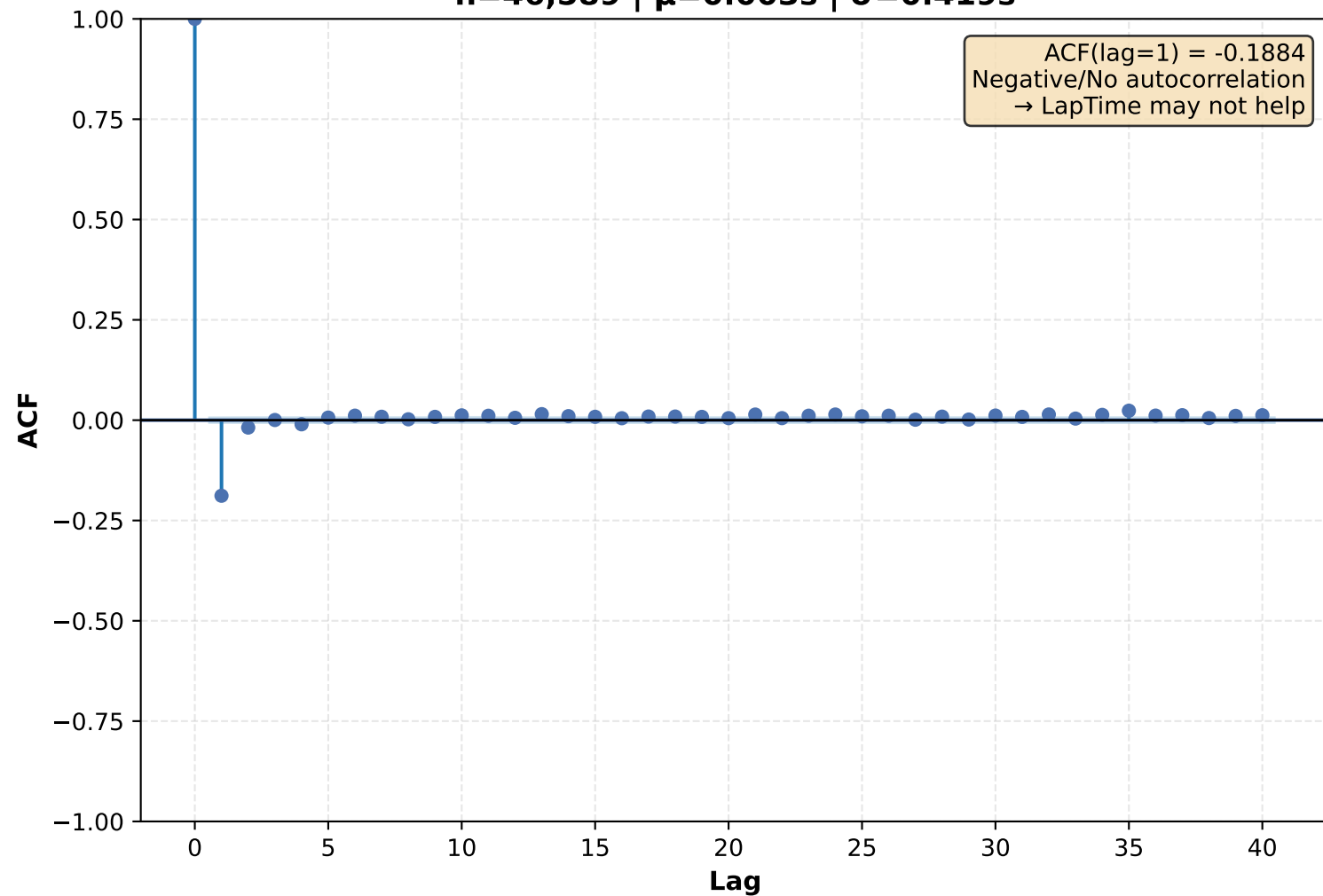


Autocorrelation Analysis: $\Delta\text{LapTime}$ and Baseline Model Residuals

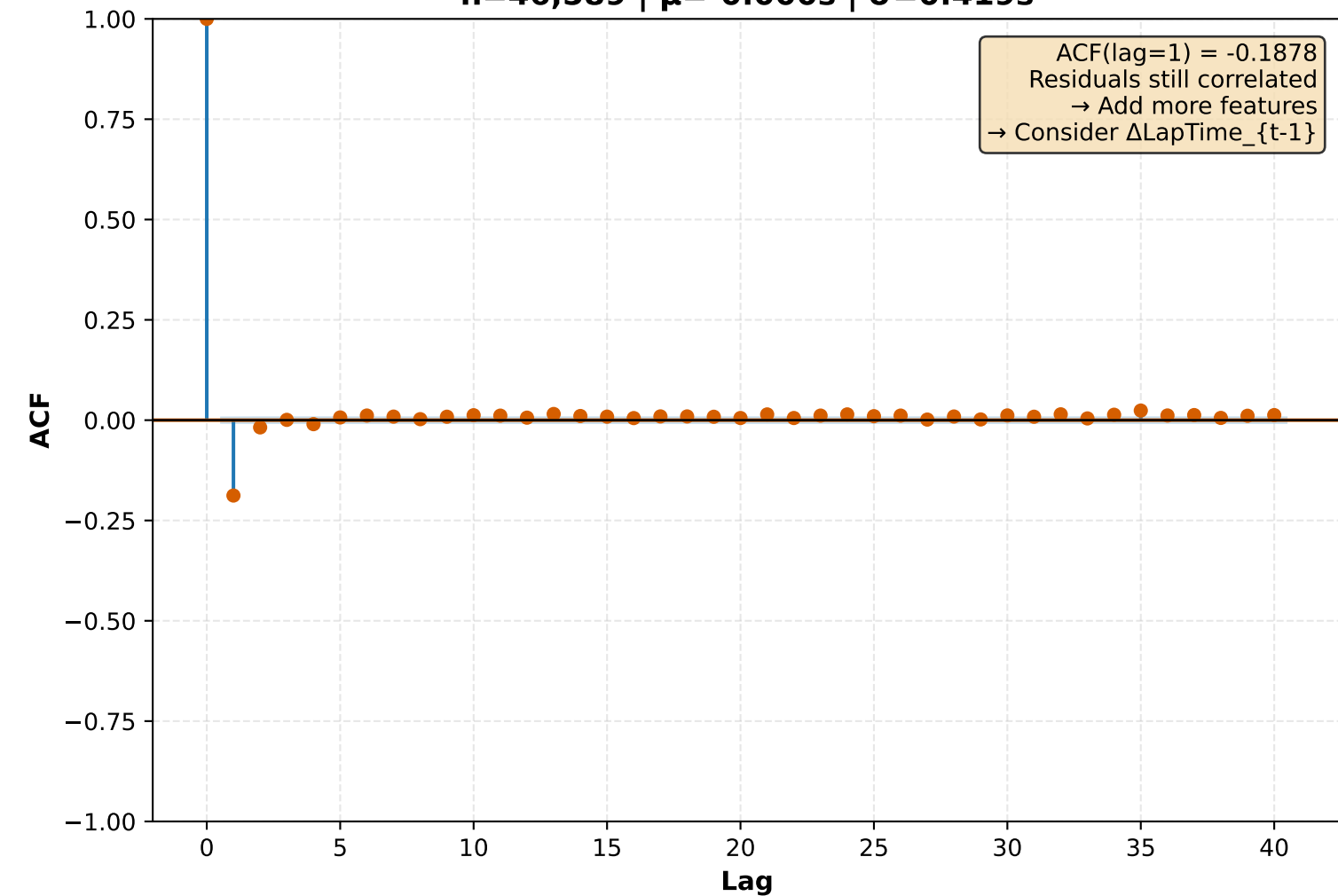
Autocorrelation Function (ACF) of $\Delta\text{LapTime}$

n=46,589 | $\mu=0.003\text{s}$ | $\sigma=0.419\text{s}$



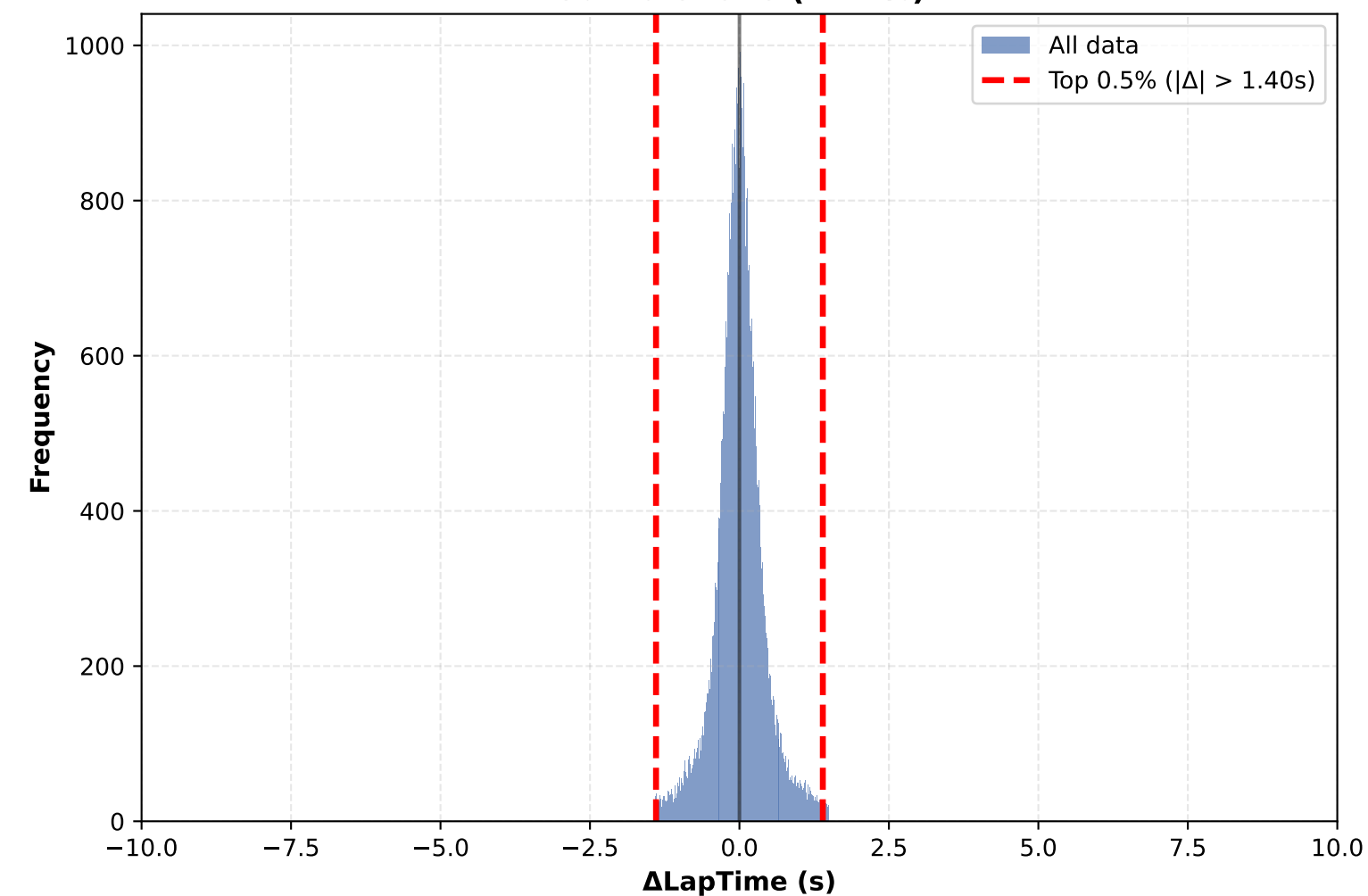
ACF of Residuals ($\Delta\text{LapTime} \sim \text{LapTime}$)

n=46,589 | $\mu=-0.000\text{s}$ | $\sigma=0.419\text{s}$



$\Delta\text{LapTime}$ Distribution with Outliers ($\pm 10\text{s}$ view)

Outliers: 518 (1.11%)



Residual Plot: Baseline Model Diagnostics

Check for patterns (should be random around 0)

