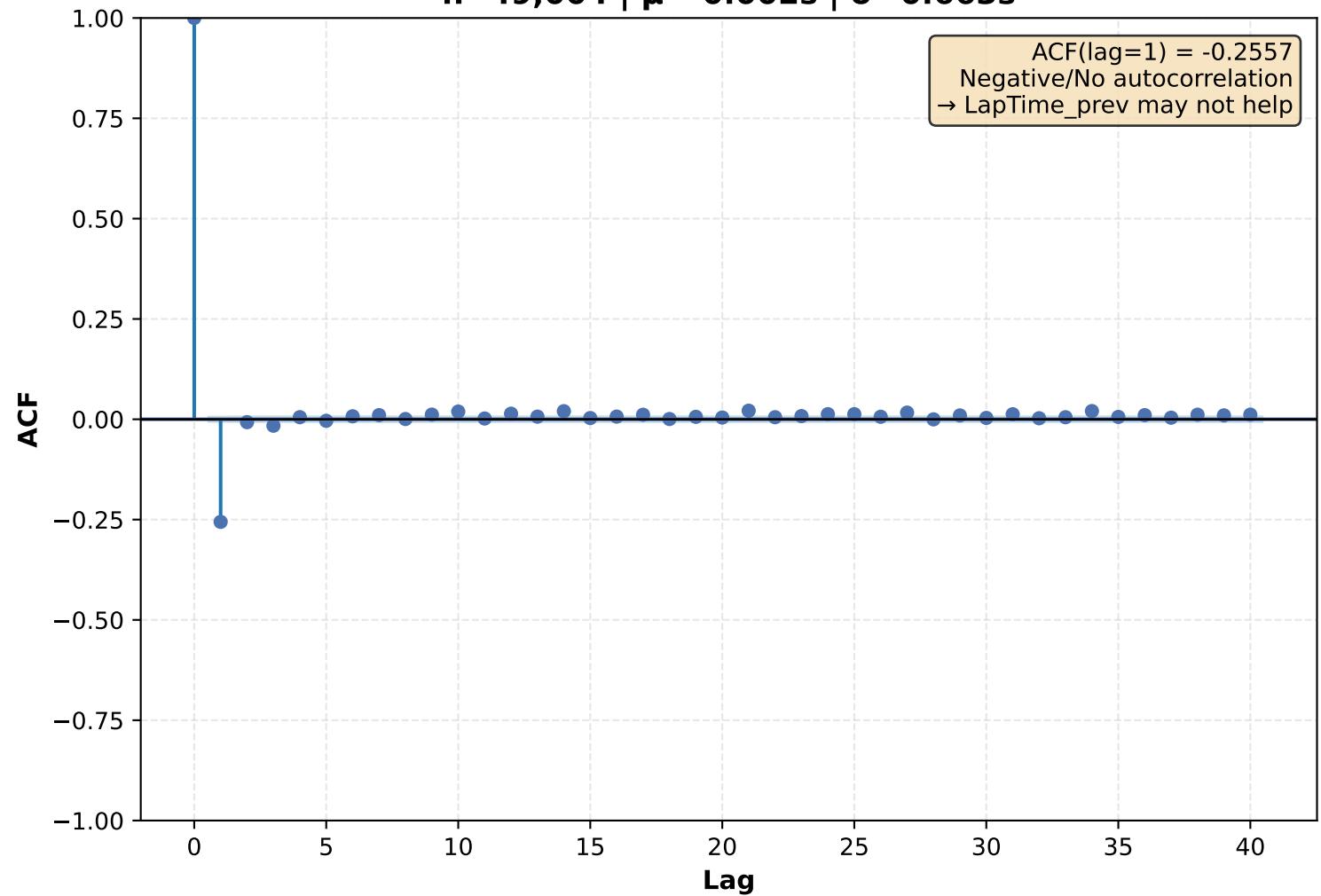
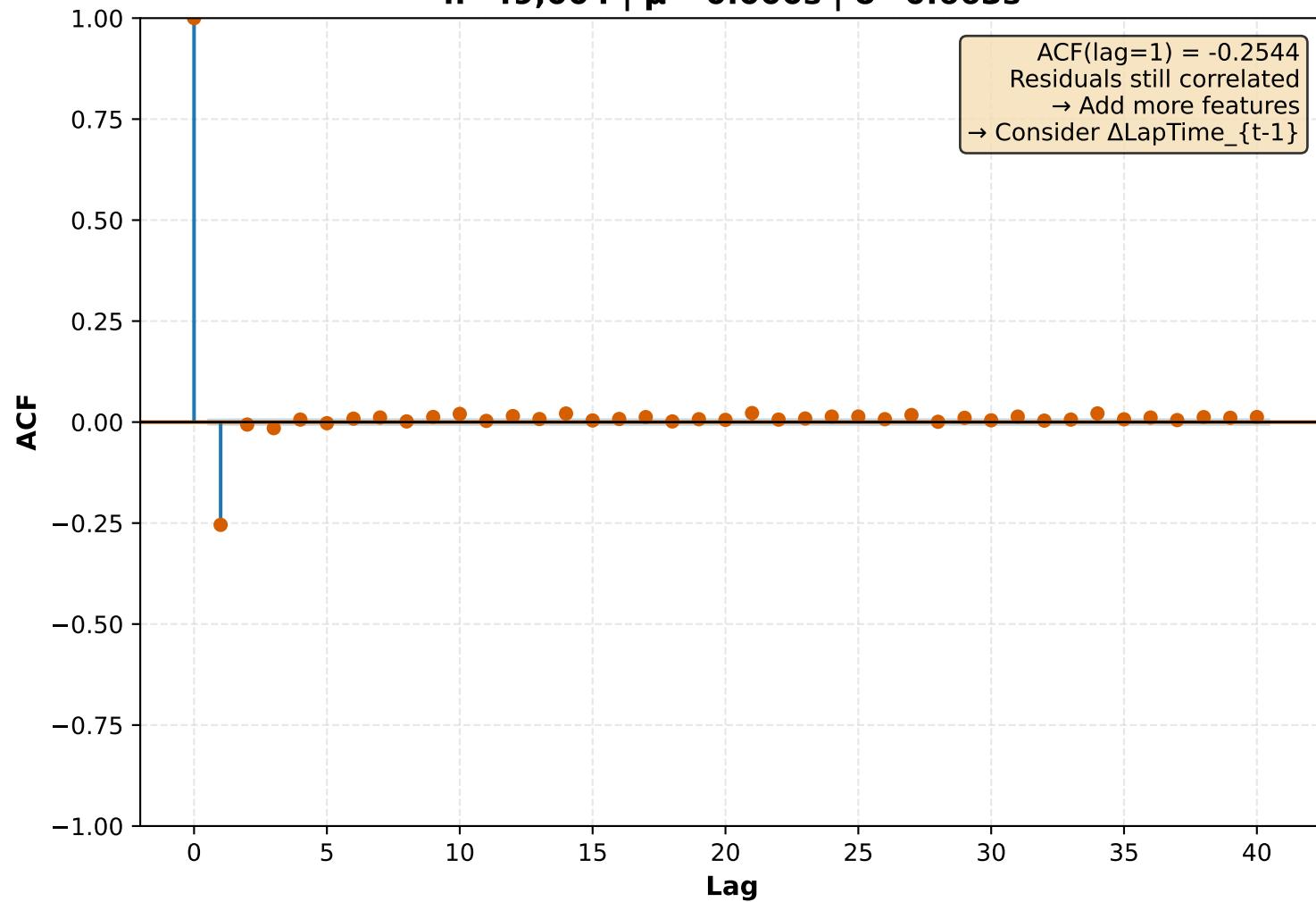


Autocorrelation Analysis: $\Delta\text{LapTime}$ and Baseline Model Residuals

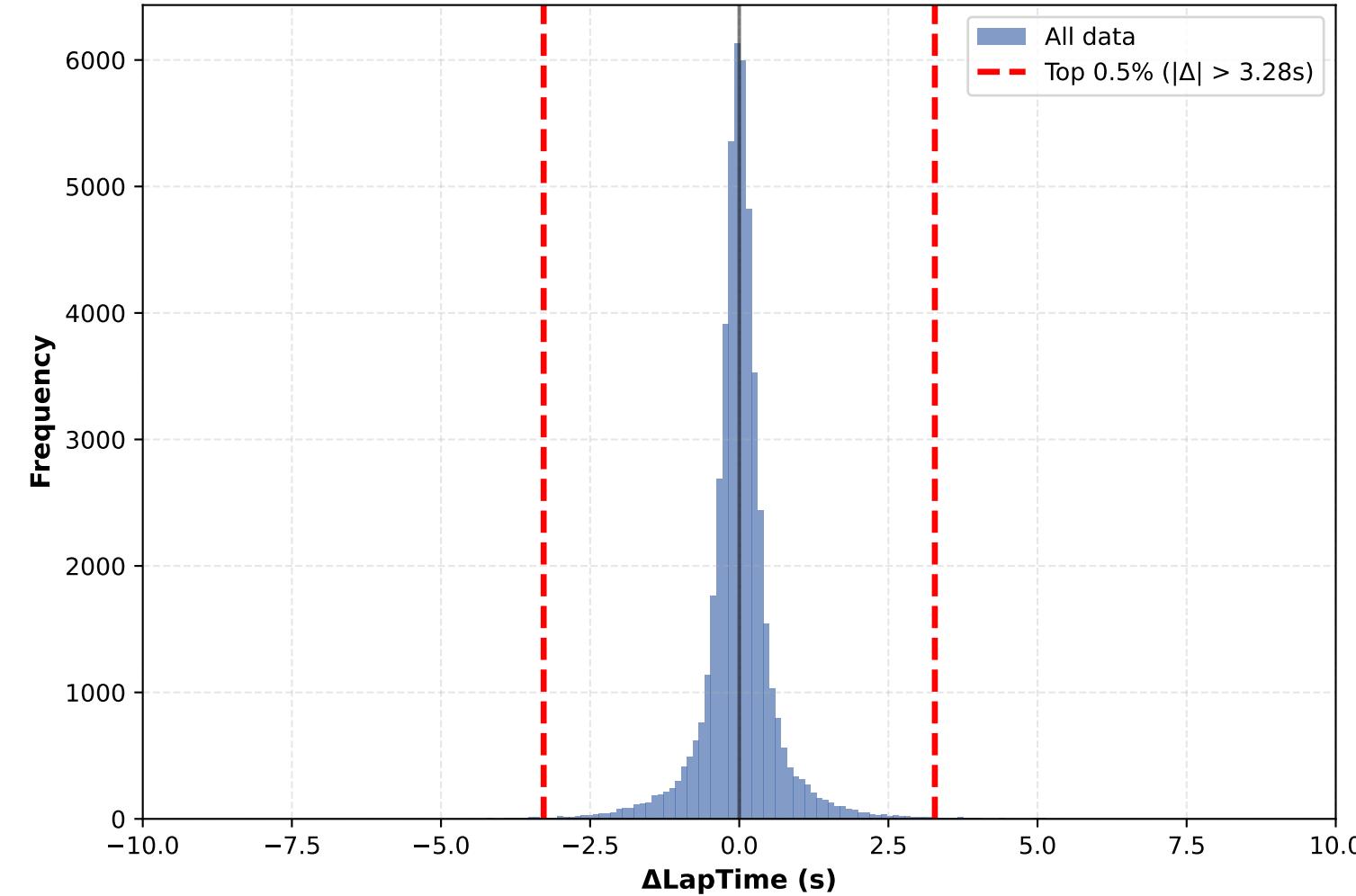
Autocorrelation Function (ACF) of $\Delta\text{LapTime}$
 $n=49,004$ | $\mu=-0.002\text{s}$ | $\sigma=0.663\text{s}$



ACF of Residuals ($\Delta\text{LapTime} \sim \text{LapTime}_{\text{prev}}$)
 $n=49,004$ | $\mu=-0.000\text{s}$ | $\sigma=0.663\text{s}$



$\Delta\text{LapTime}$ Distribution with Outliers ($\pm 10\text{s}$ view)
Outliers: 531 (1.08%)



Residual Plot: Baseline Model Diagnostics
Check for patterns (should be random around 0)

