

GRB181222B: Short and bright burst. Precursor starts at around $T_0=2018-12-22\ 20:11:36.197430$ (cross c

T_{90} starts at peak in the precursor and ends at the end of the burst.

Background: Stable. Polynomial approximation (0-th degree). 1. interval $t_i=T_0-0.85$ s, $t_f=T_0-0.25$ s.
2. interval: $t_i= T_0+0.45$ s $t_f=T_0+1.0$ s

Fermi GBM reports T_{90} of about 0.5 s (50-300 keV)
<https://gcn.gsfc.nasa.gov/gcn3/23551.gcn3>

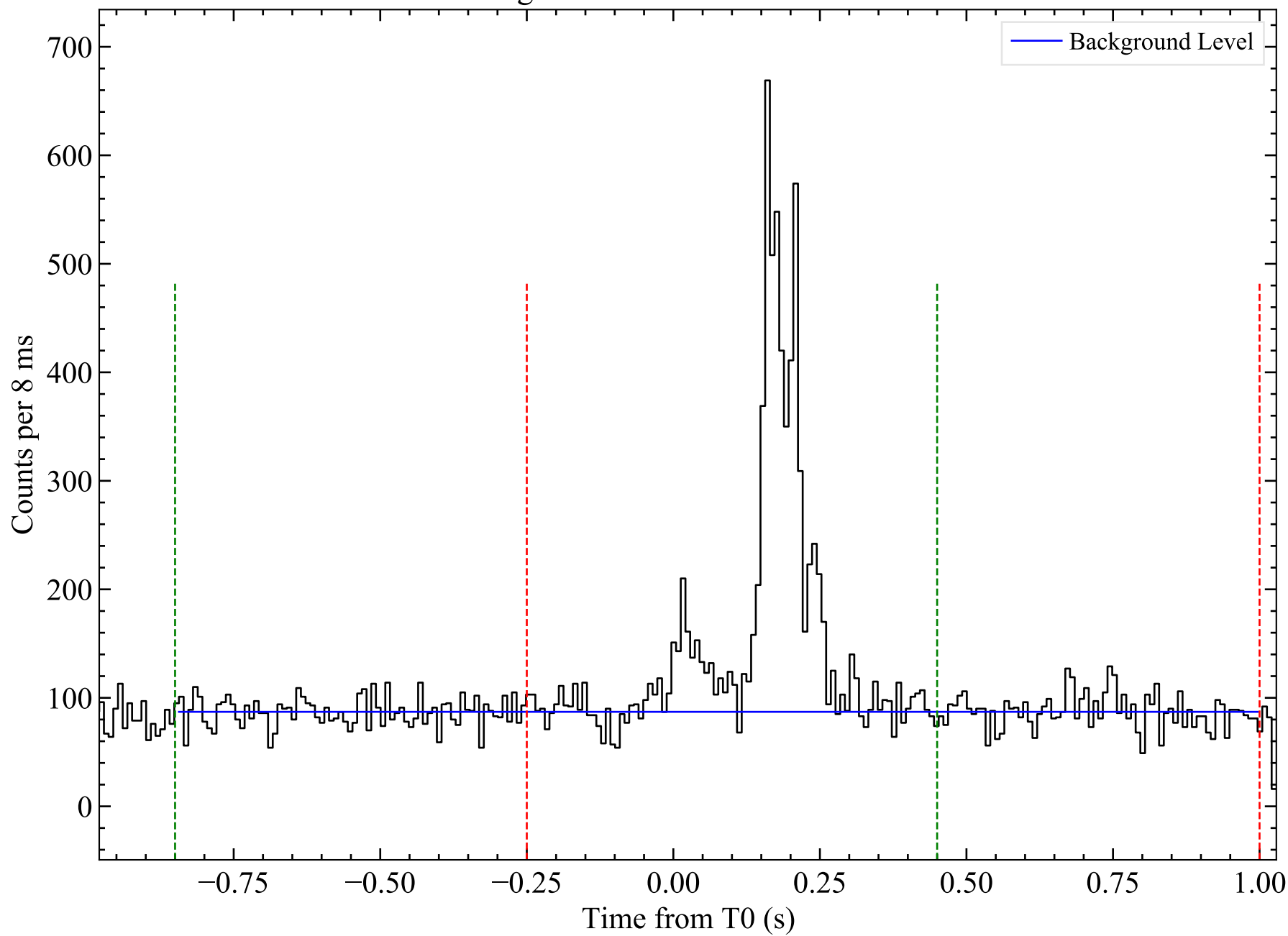
T_{90} estimations (binsize, Start time of the estimation of the mean total counts, T_{90}):

- 1ms, $T_0+0.5$ s: 0.244 s
- 2ms, - $T_0+0.5$ s: 0.246 s
- 4ms, - $T_0+0.5$ s: 0.236 s
- 8ms, $T_0+0.5$ s: 0.232 s
- 16ms, $T_0+0.5$ s: 0.224 s

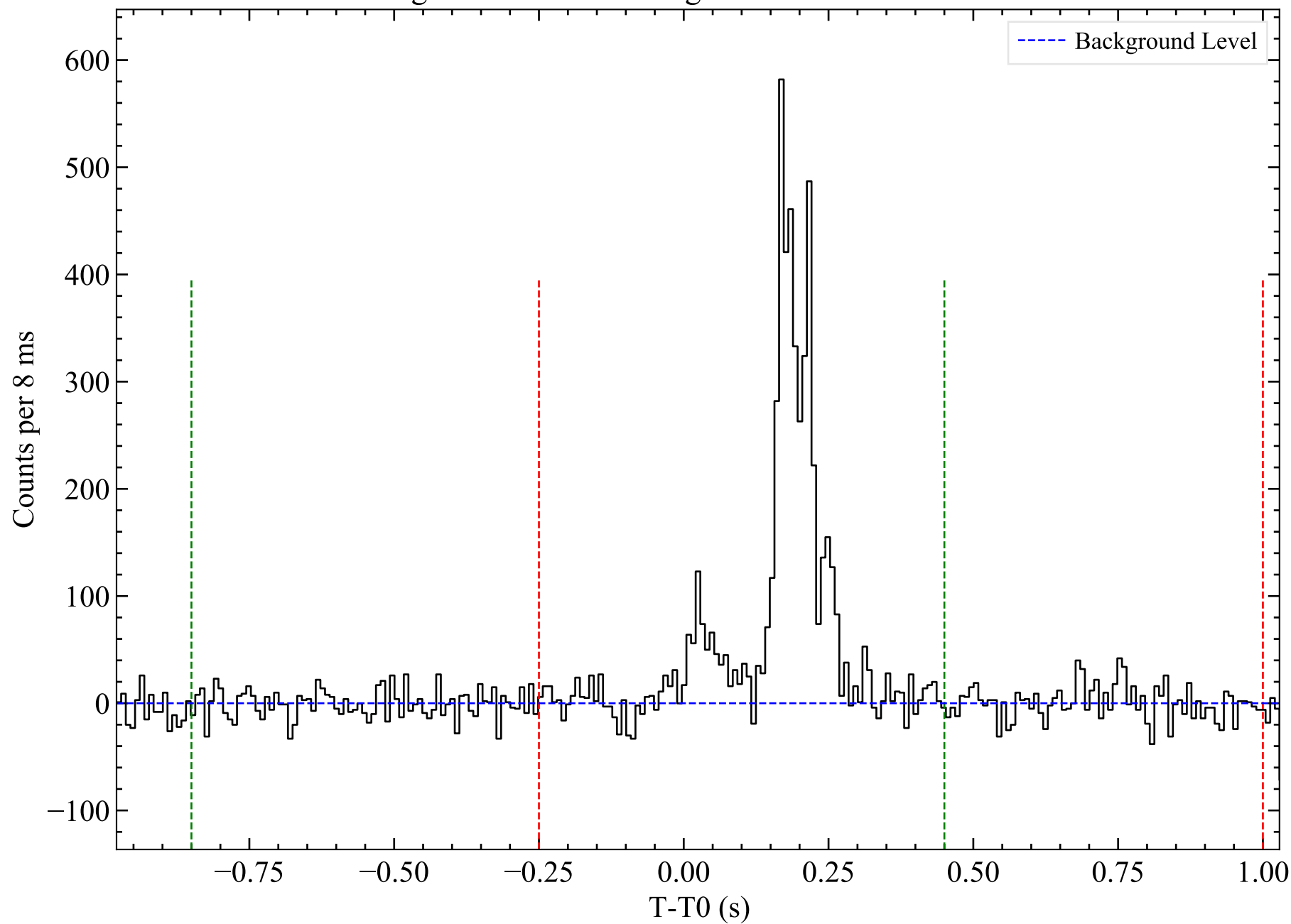
T_{50} estimations (binsize, mean_start_time, T_{50}):

- 1ms, $T_0+0.5$: 0.051 s
- 2ms, $T_0+0.5$: 0.052 s
- 4ms, $T_0+0.5$: 0.052 s
- 8ms, $T_0+0.5$: 0.048 s
- 16ms, $T_0+0.5$: 0.048 s

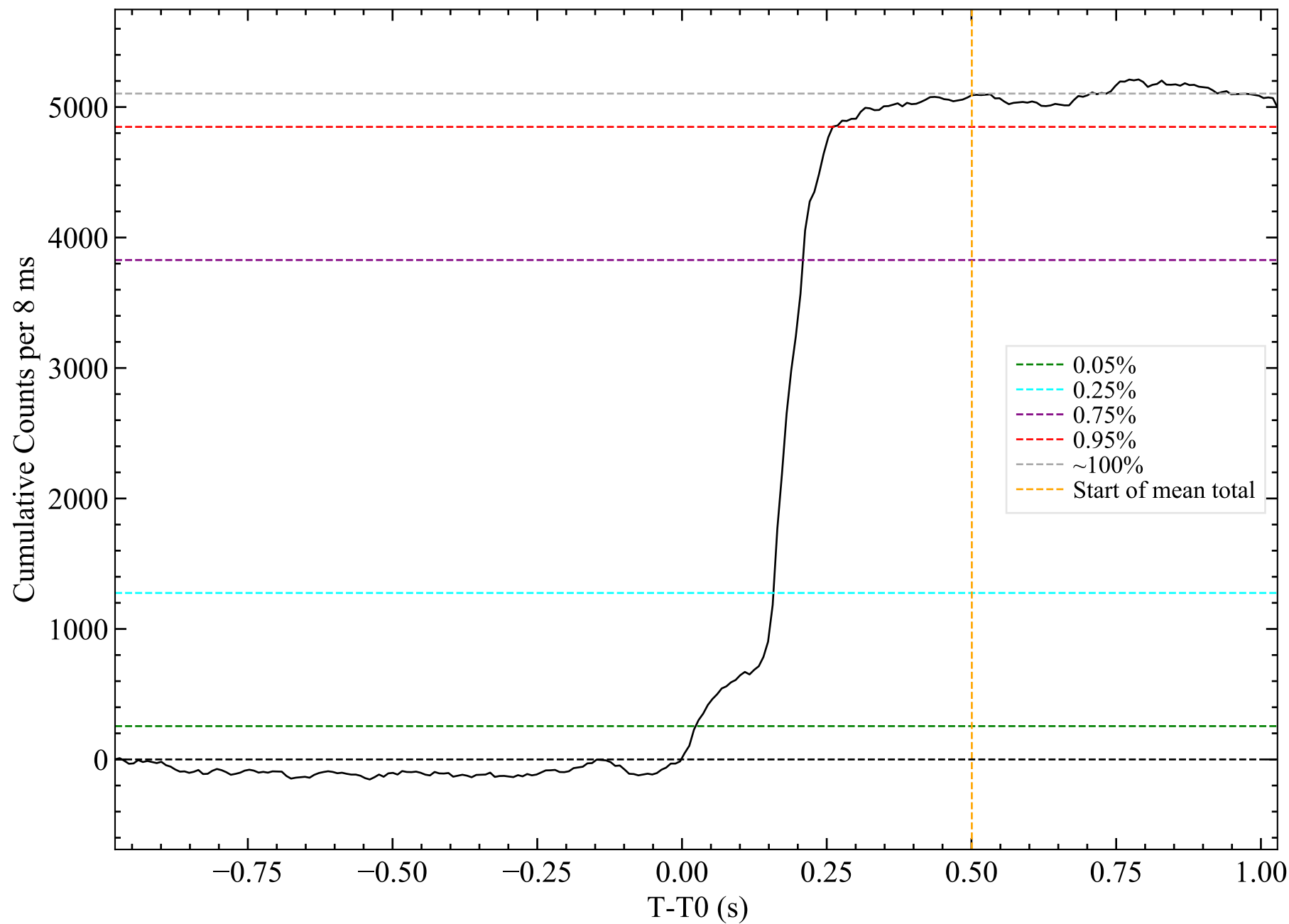
Light Curve for GRB181222B



Background Subtracted Light Curve for GRB181222B



Cumulative Counts for GRB181222B



GRB181222B Background Subtracted Light Curve

