

GRB190606A: Very short and bright burst, good starting point!

T0=2019-06-06 01:55:06.781982 (cross correlated with KW)

Background: Polynomial approximation (0-th degree), 1. Interval $t_i=T0-1.0$ s, $t_f=T0-0.2$ s.
2. Interval: $t_i = T0+0.4$, $t_f= T0+0.85$

Fermi GBM reports T90 of 0.3 s in 10-1000 keV range.
<https://gcn.gsfc.nasa.gov/gcn3/24764.gcn3>

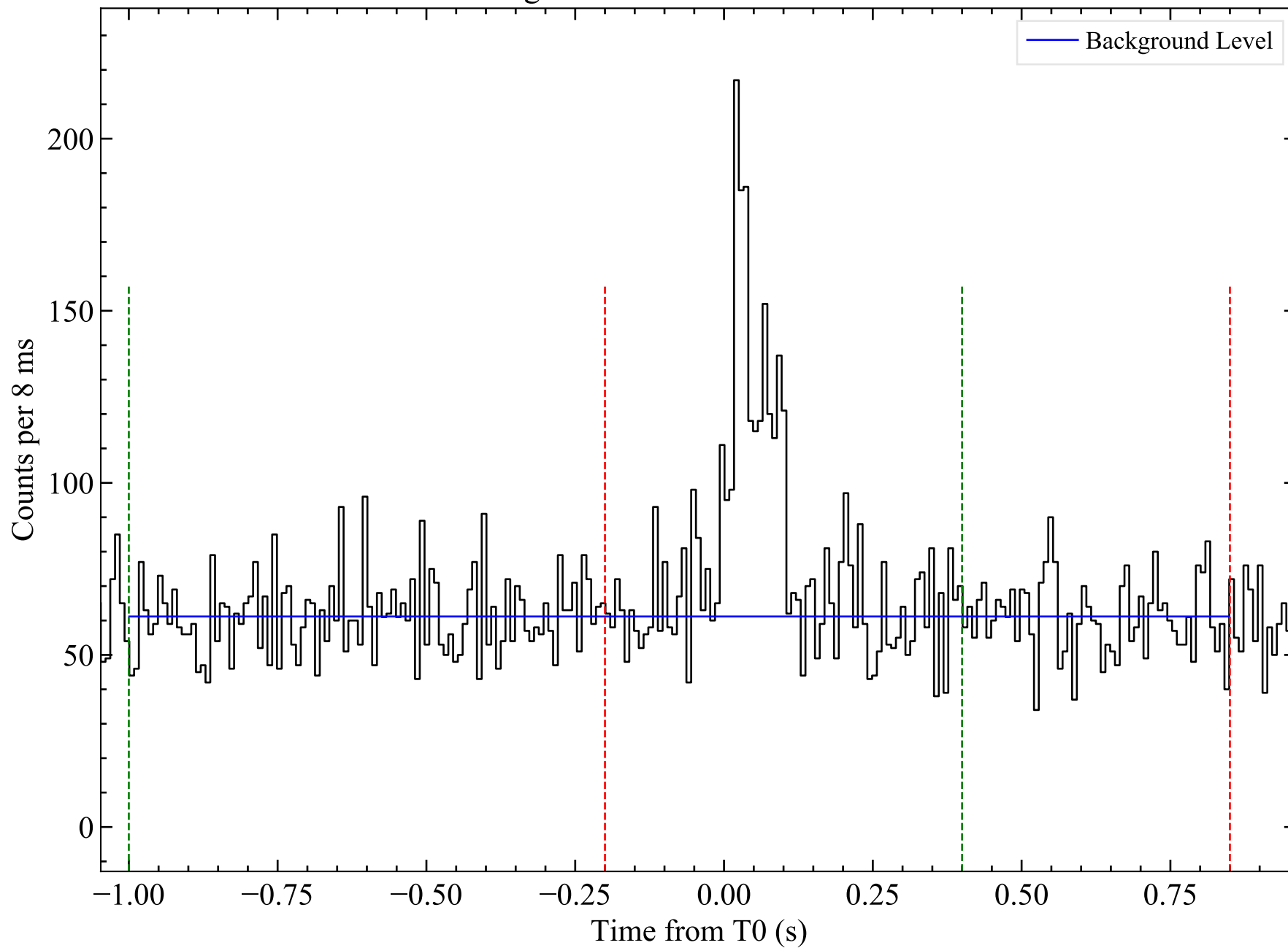
T90 estimations (binsize, mean_start_time, T90):

- 1ms, T0+0.5: 0.165 s
- 2ms, T0+0.5: 0.164 s
- 4ms, T0+0.5: 0.164 s
- 8ms, T0+0.5: 0.168 s
- 16ms, T0+0.5: 0.160 s

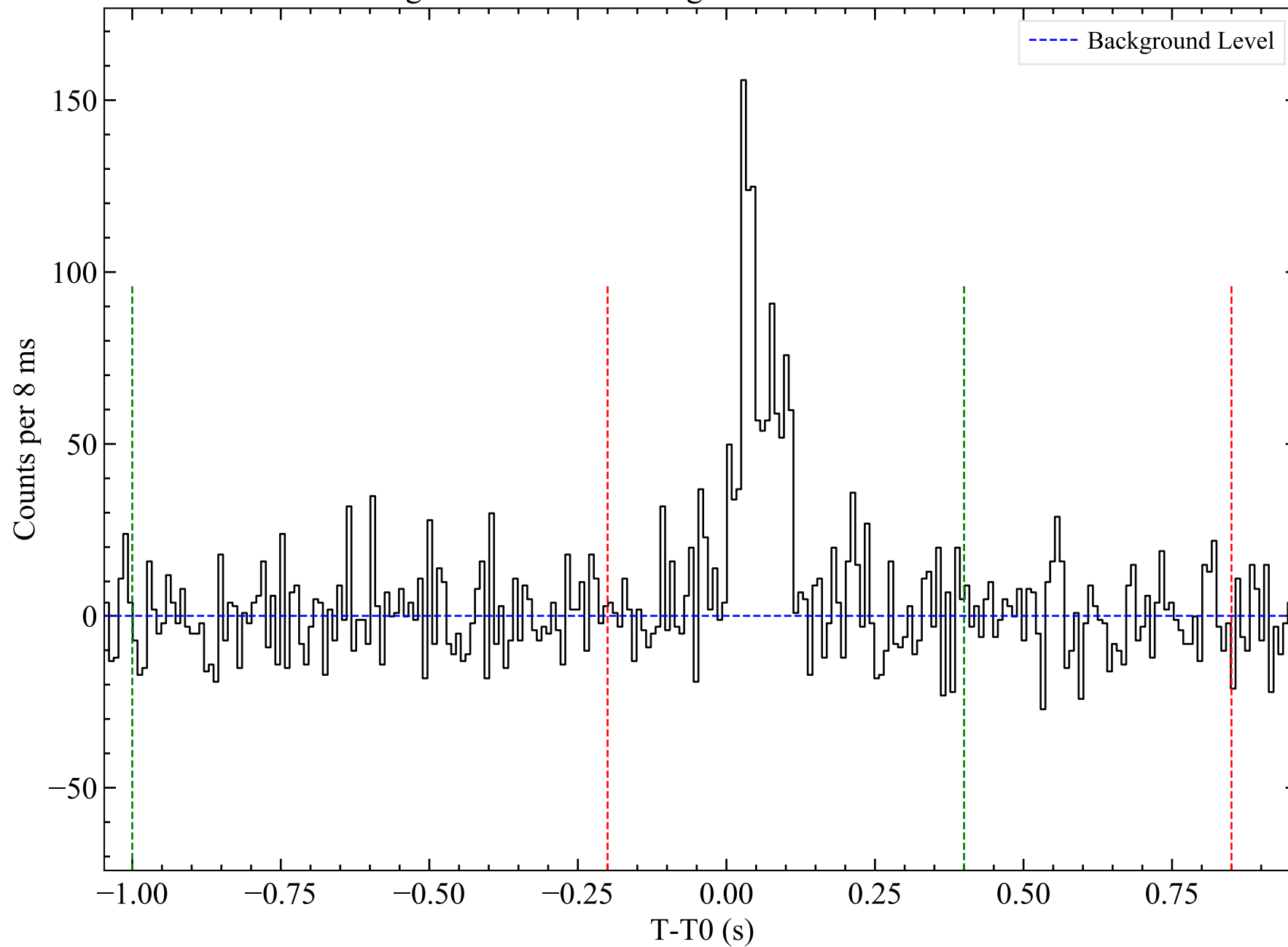
T50 estimations (binsize, mean_start_time, T50):

- 1ms, T0+0.5: 0.053 s
- 2ms, T0+0.5: 0.054 s
- 4ms, T0+0.5: 0.056 s
- 8ms, T0+0.5: 0.056 s
- 16ms, T0+0.5: 0.048 s

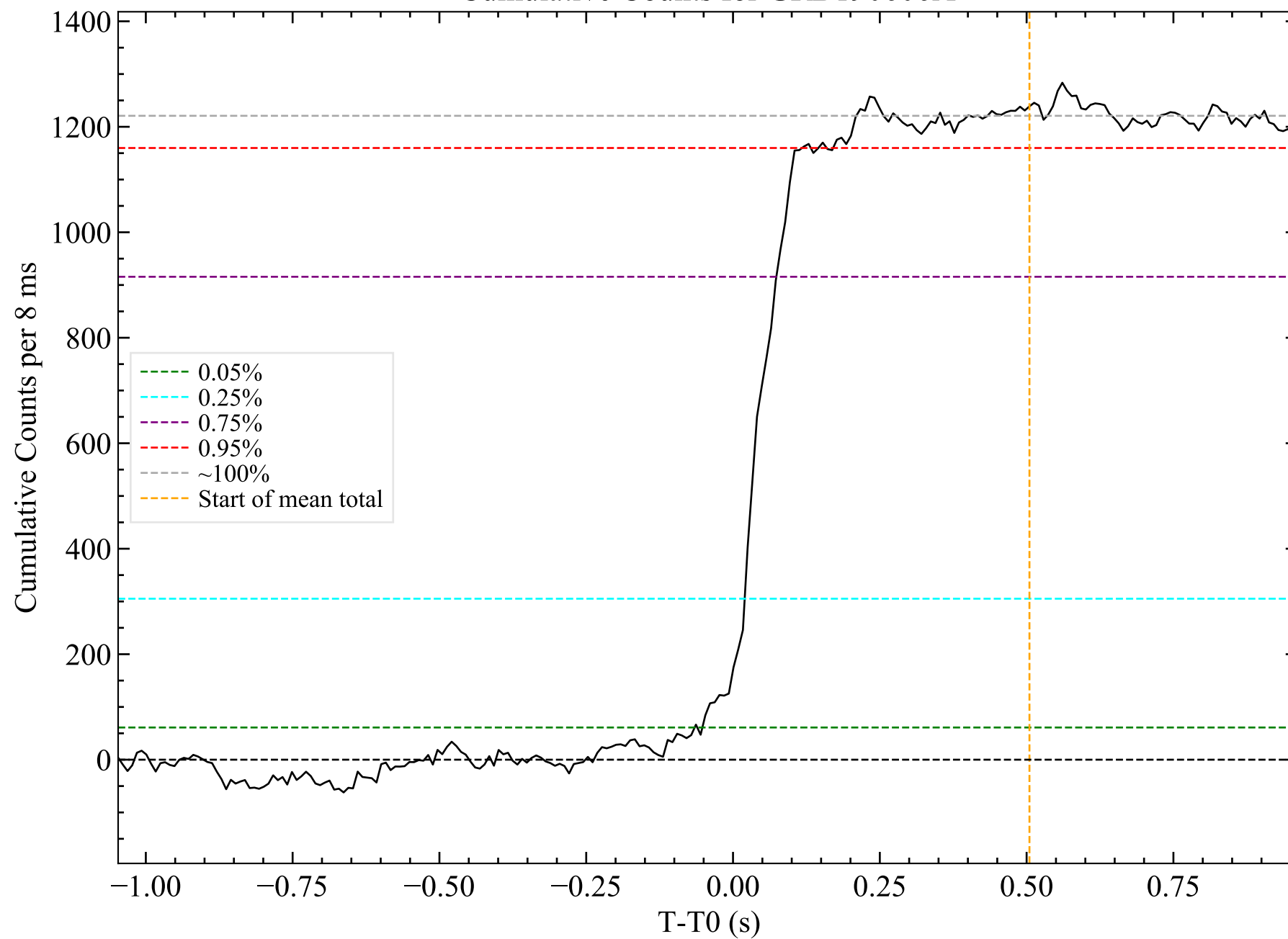
Light Curve for GRB190606A



Background Subtracted Light Curve for GRB190606A



Cumulative Counts for GRB190606A



GRB190606A Background Subtracted Light Curve

