

GRB 200521A: Relatively short burst, moderate count rate.
T0=2020-05-21 12:16:39.630360 (cross correlated with KW)

Background: Stable. Polynomial approximation (0-th degree).

1. interval $t_i=T0-0.90$ s, $t_f=T0-0.10$ s.
2. interval: $t_i= T0+0.40$ s, $t_f=T0+1.0$ s

CALET GBM reports T90 and T50 durations measured by the SGM data are 0.240 ± 0.094 s and 0.104 ± 0.018 s (40-1000 keV), respectively
<https://gcn.gsfc.nasa.gov/gcn3/27777.gcn3>

T90 estimations (binsize, Start time of the estimation of the mean total counts, T90):

- 0.001s, T0+0.3 s: 0.173 s
- 0.002s, T0+0.3 s: 0.174 s
- 0.004s, T0+0.3 s: 0.172 s
- 0.008s, T0+0.3 s: 0.168 s
- 0.016s, T0+0.3 s: 0.176 s

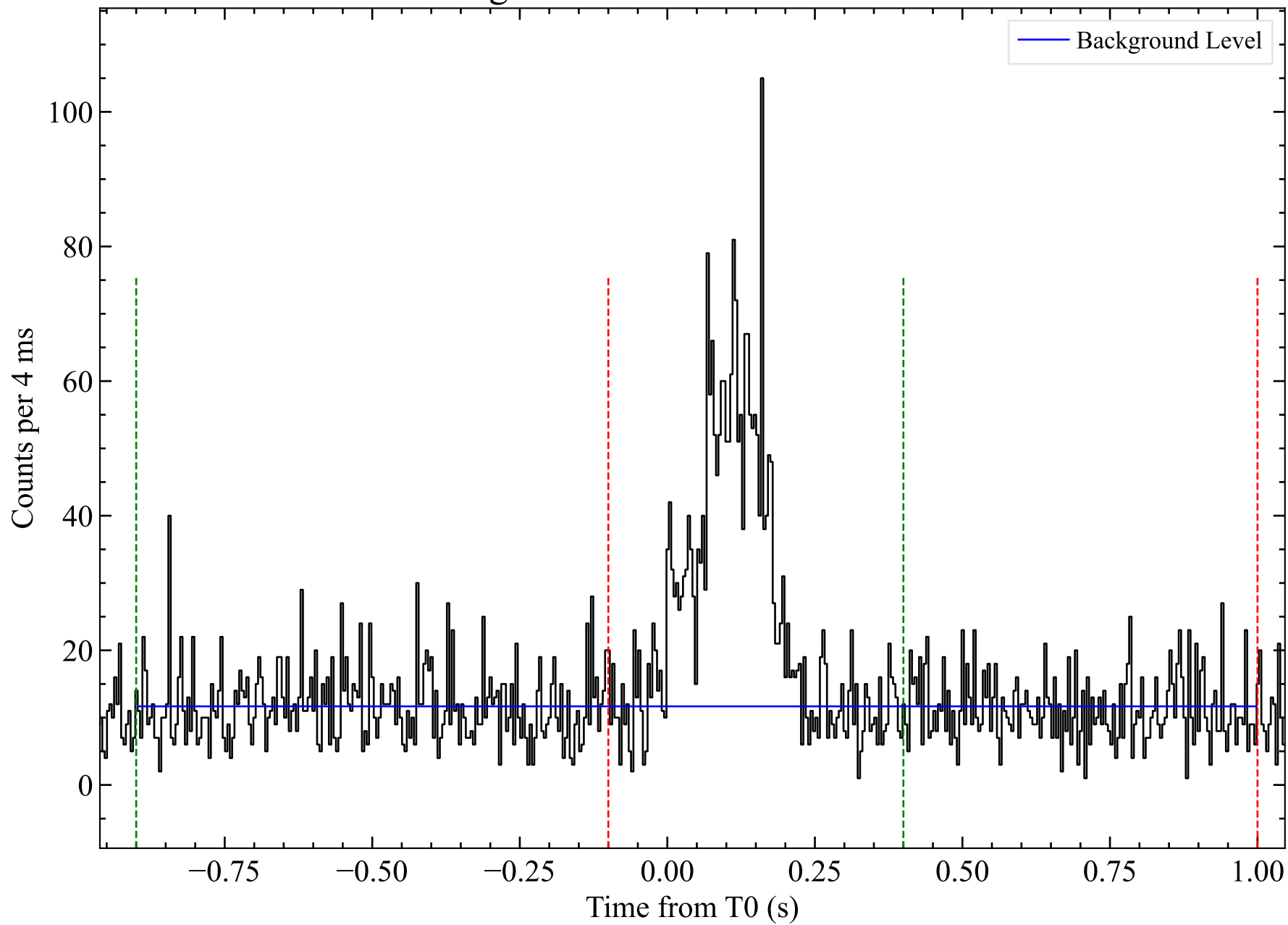
T50 estimations (binsize, mean_start_time, T50):

- 0.001s, T0+0.3 s: 0.075 s
- 0.002s, T0+0.3 s: 0.074 s
- 0.004s, T0+0.3 s: 0.076 s
- 0.008s, T0+0.3 s: 0.072 s
- 0.016s, T0+0.3 s: 0.08 s

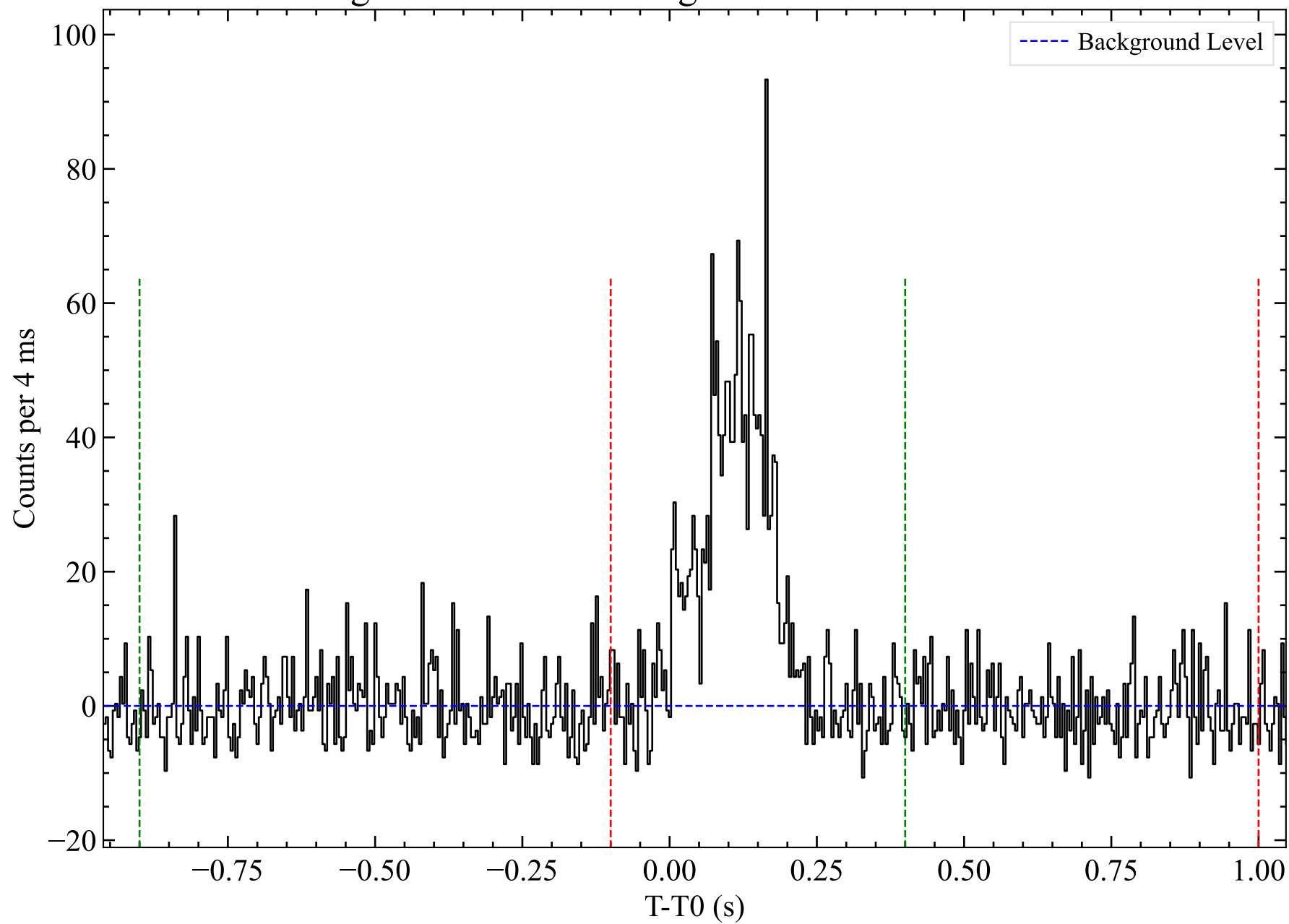
Polynomial for background (binsize, polyCoef):

- 0.001s: 2.916
- 0.002s: 5.833
- 0.004s: 11.677
- 0.008s: 23.371
- 0.016s: 46.851

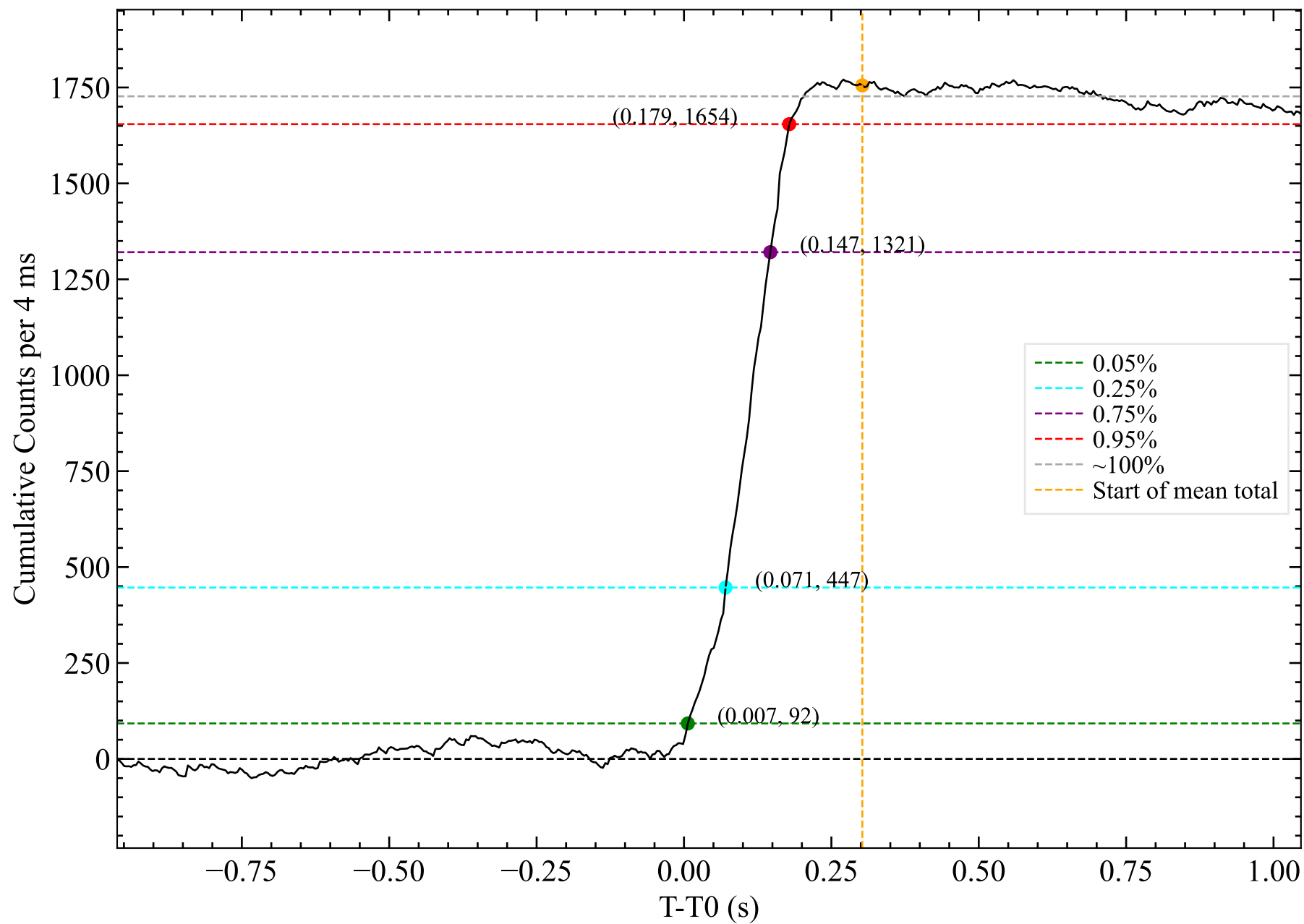
Light Curve for GRB200521A



Background Subtracted Light Curve for GRB200521A



Cumulative Counts for GRB200521A



GRB200521A Background Subtracted Light Curve

