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),
Polynomial for background (binsize, c0):
1 ms, 7.6656
2ms, 15.3312
4 ms, 30.645
8 ms, 61.16
16 ms, 122.21

1. Interval ti=T0-1.0 s, tf=T0-0.2 s.
2. Interval: ti = T0+0.4, tf= 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: 0.153 s
- 2ms, T0+0.5: 0.152 s
- 4ms, T0+0.5: 0.152 s
- 8ms, T0+0.5: 0.184 s
- 16ms, T0+0.5: 0.192 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
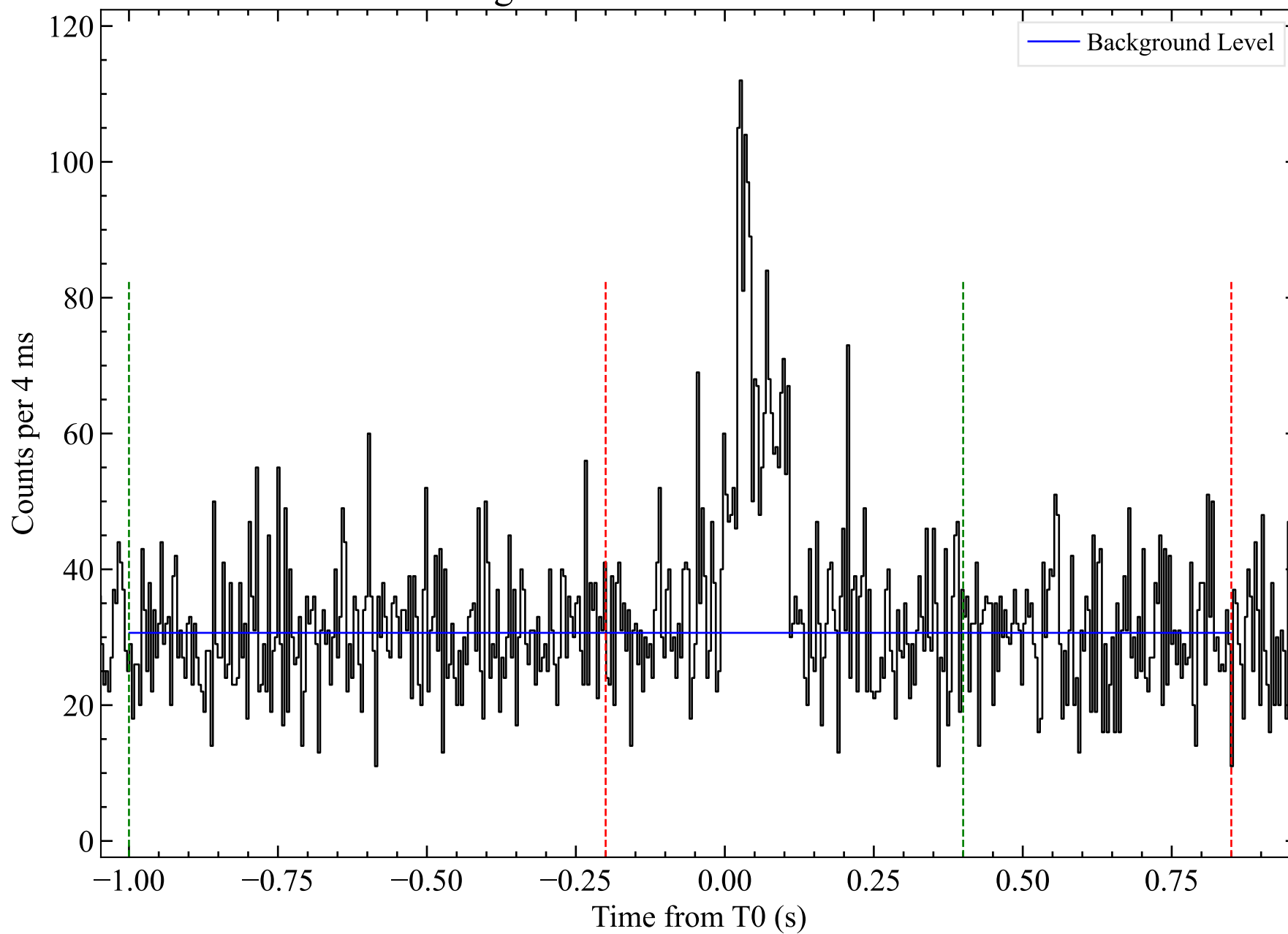
Poly Coefficients (binsize, polyCoefs):
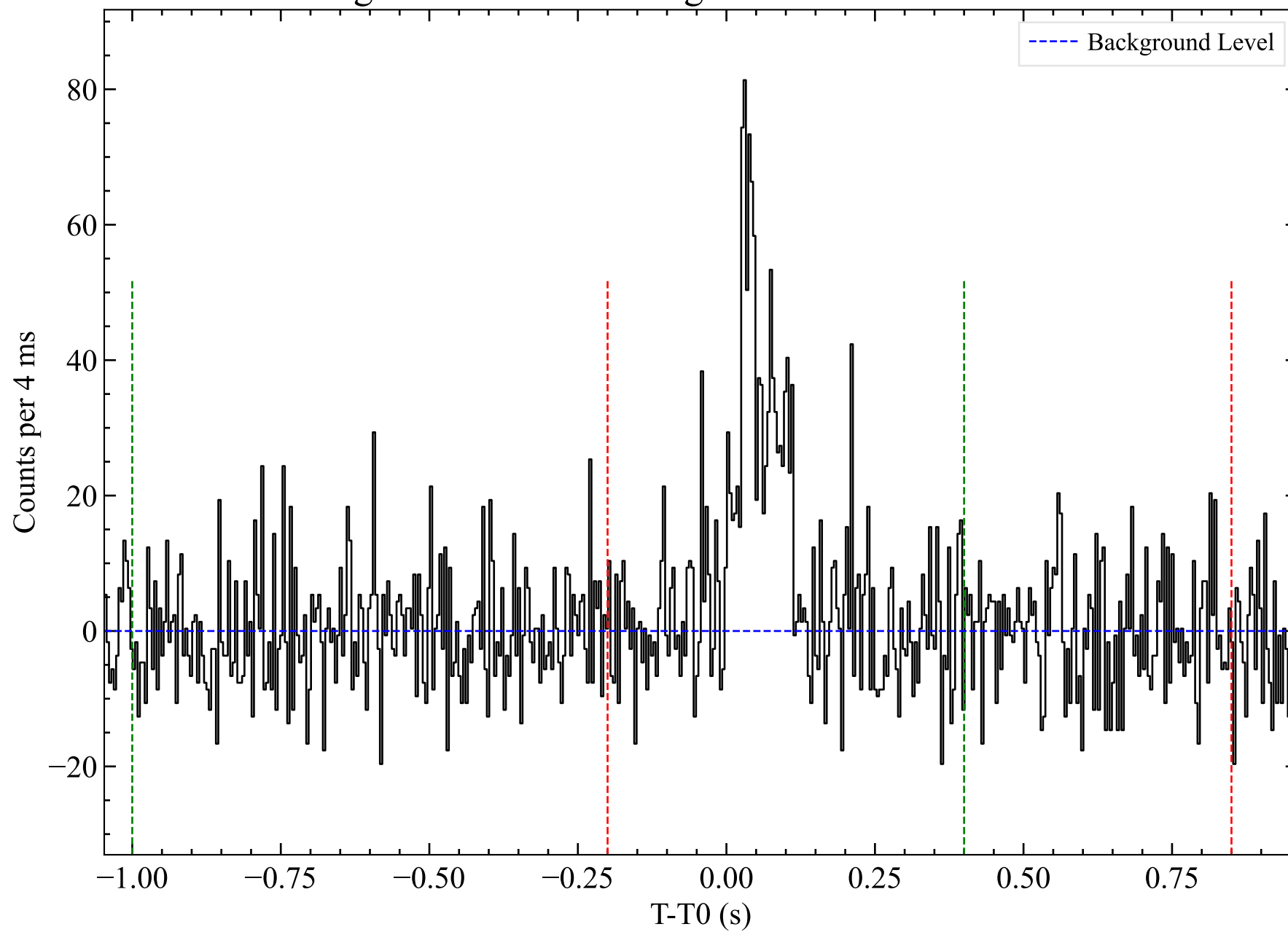- 1ms: 7.666
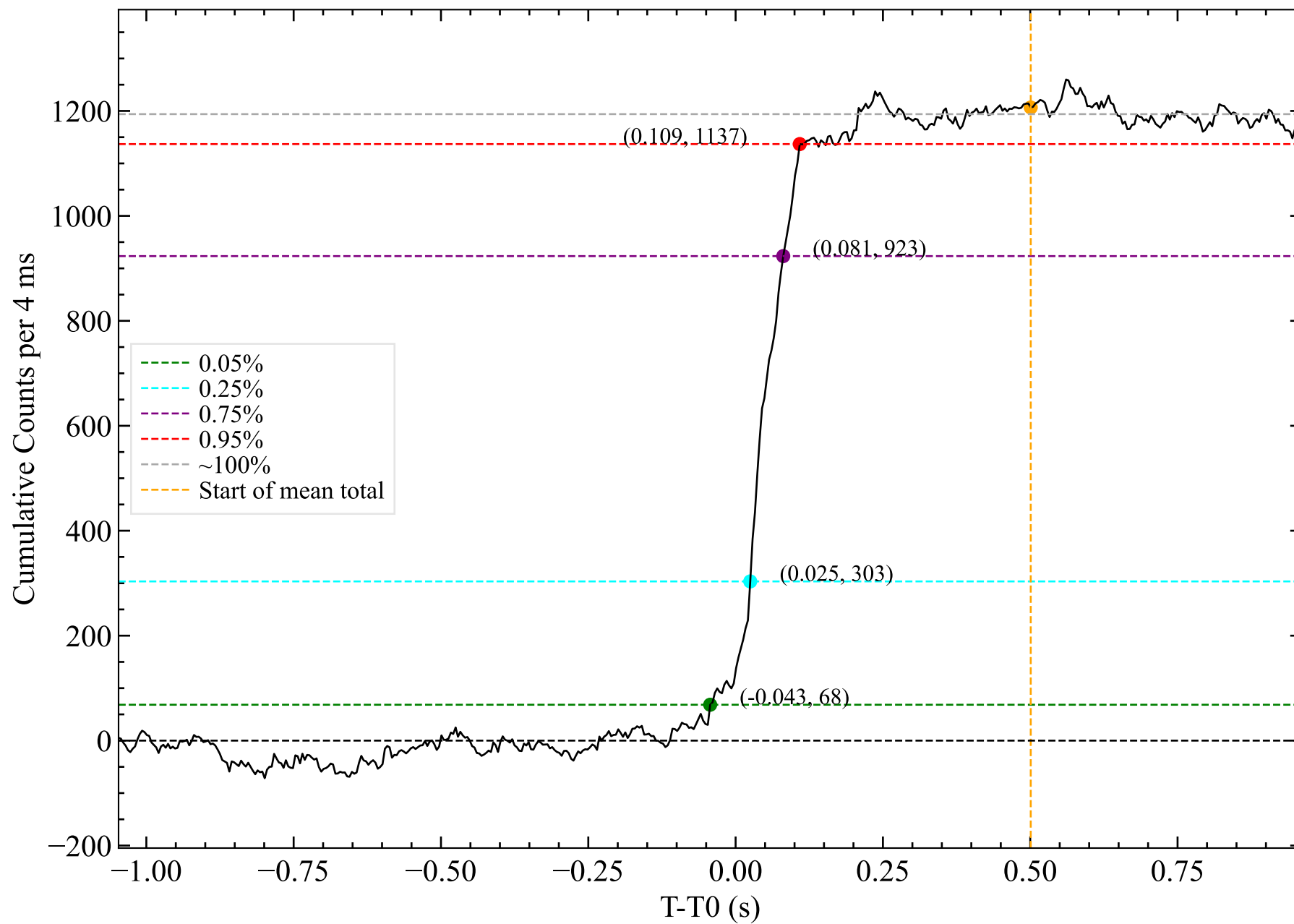- 2ms: 15.331
- 4ms: 30.645
- 8ms: 61.166
- 16ms: 122.218

Light Curve for GRB190606A

Background Subtracted Light Curve for GRB190606A

Cumulative Counts for GRB190606A

GRB190606A Background Subtracted Light Curve