GRB 190206A: Very short burst, high count rate, good signal to noise ratio.
T0=2019-02-06 03:49:27.717670 (cross correlated with KW)

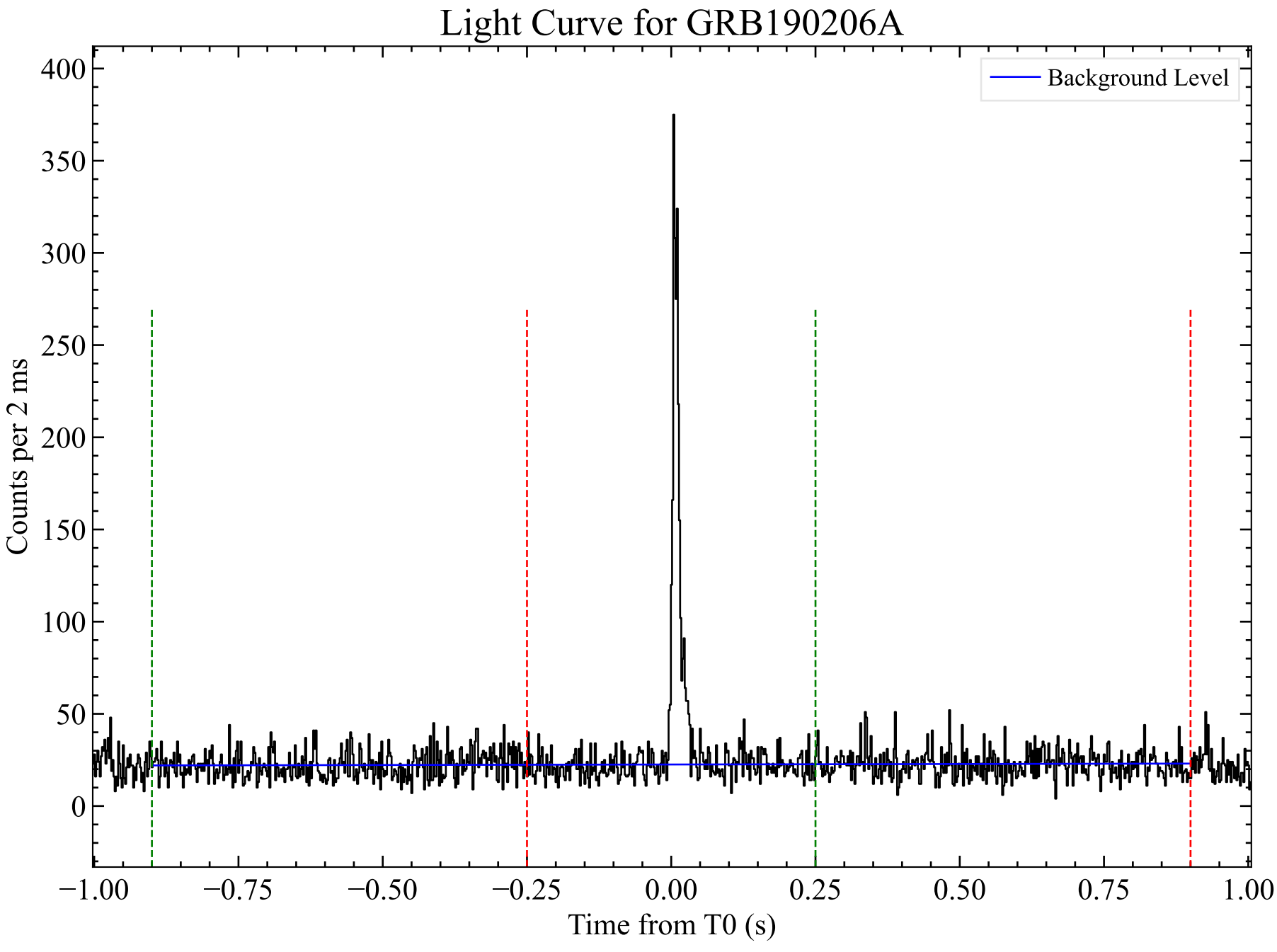
Background: Very stable. Polynomial approximation (1-th degree) works best due to rather long background interval.
1. interval ti=T0-0.90 s, tf=T0-0.30 s.
2. interval: ti= T0+0.30 s, tf=T0+0.90 s

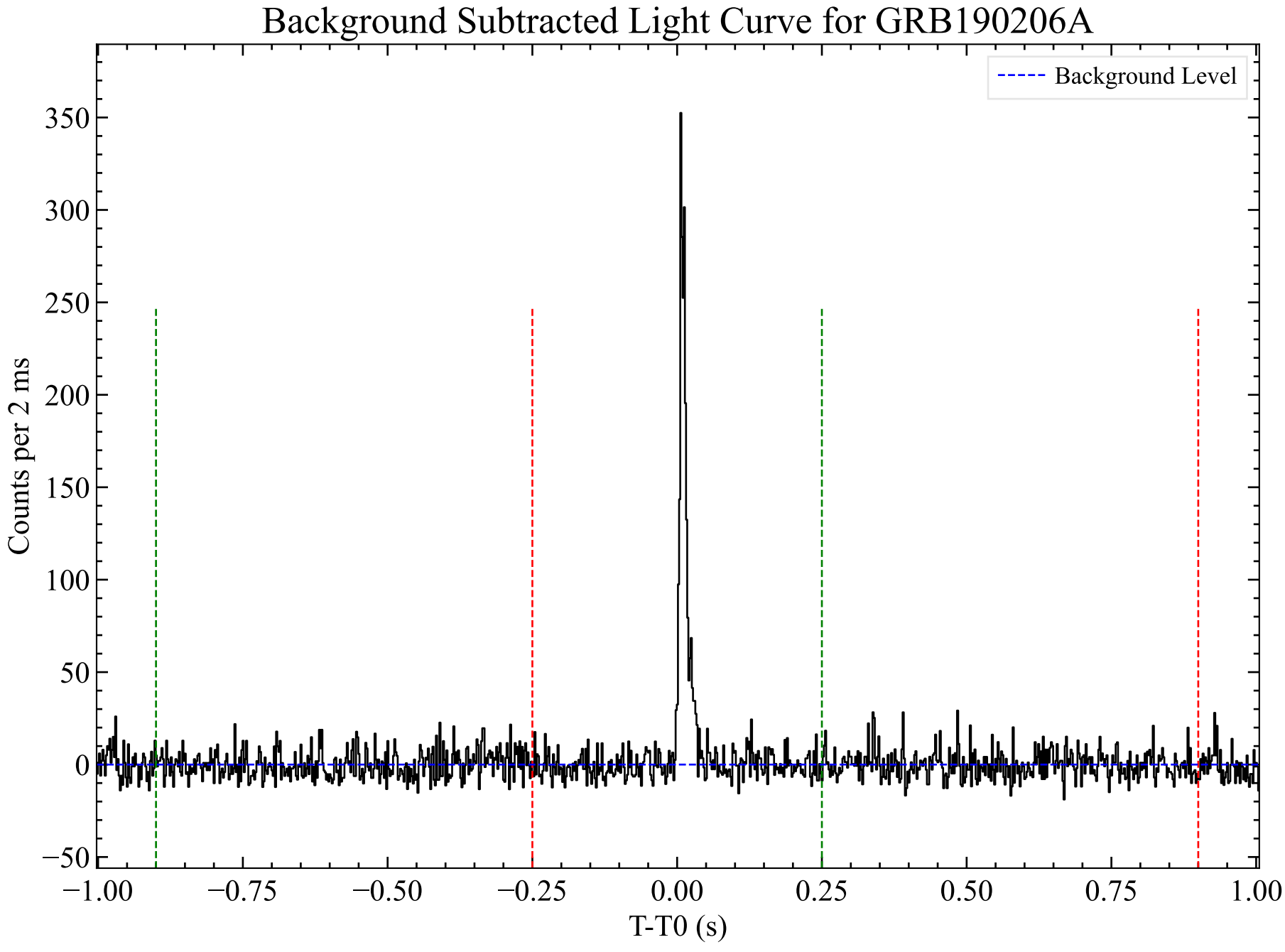
AstroSat CZTI detection reports T90 of 0.94 s in 40-200 keV range
https://gcn.gsfc.nasa.gov/gcn3/23892.gcn3

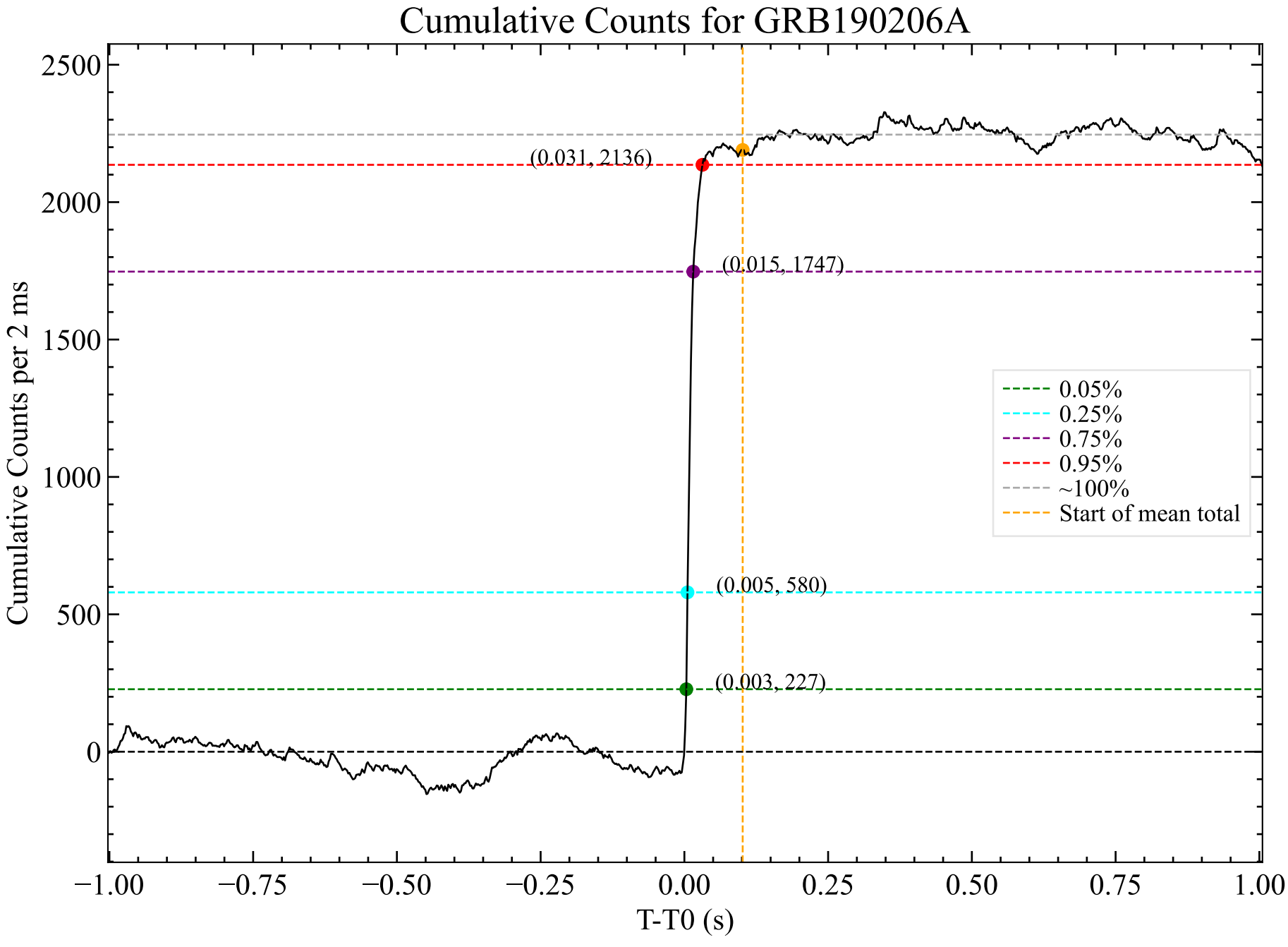
T90 estimations (binsize, Start time of the estimation of the mean total counts, T90):
- 0.001s, T0+0.2 s: 0.03 s
- 0.002s, T0+0.2 s: 0.028 s
- 0.004s, T0+0.2 s: 0.032 s
- 0.008s, T0+0.2 s: 0.032 s
- 0.016s, T0+0.2 s: 0.032 s

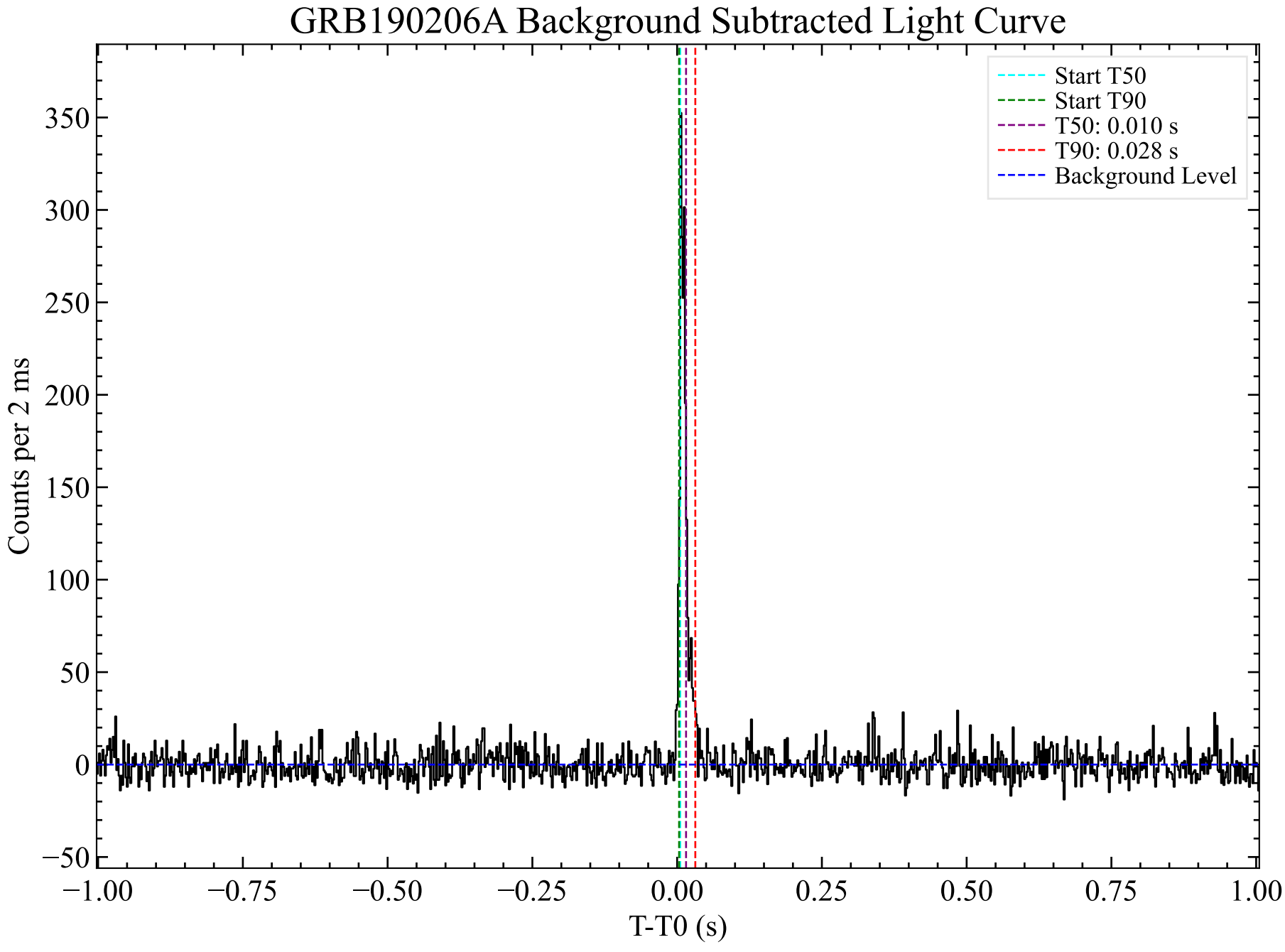
T50 estimations (binsize, mean_start_time, T50):
- 0.001s, T0+0.2 s: 0.01 s
- 0.002s, T0+0.2 s: 0.01 s
- 0.004s, T0+0.2 s: 0.008 s
- 0.008s, T0+0.2 s: 0.008 s
- 0.016s, T0+0.2 s: 0.0 s

Polynomial for background (binsize, polyCoef):
- 0.001s: [11.268 0.255]
- 0.002s: [22.531 0.551]
- 0.004s: [45.029 1.106]
- 0.008s: [90.138 2.175]
- 0.016s: [179.815 4.333]


Light Curve for GRB190206A
Background Level
Counts per 2 ms
Time from T0 (s)
400
350
300
250
200
150
100
50
0
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00


Background Subtracted Light Curve for GRB190206A
Background Level
Counts per 2 ms
350
300
250
200
150
100
50
0
−50
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00
T-T0 (s)


Cumulative Counts for GRB190206A
Cumulative Counts per 2 ms
T-T0 (s)
2500
2000
1500
1000
500
0
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00
(0.031, 2136)
(0.015, 1747)
(0.005, 580)
(0.003, 227)
0.05%
0.25%
0.75%
0.95%
~100%
Start of mean total


GRB190206A Background Subtracted Light Curve
Start T50
Start T90
T50: 0.010 s
T90: 0.028 s
Background Level
Counts per 2 ms
T-T0 (s)
350
300
250
200
150
100
50
0
−50
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00