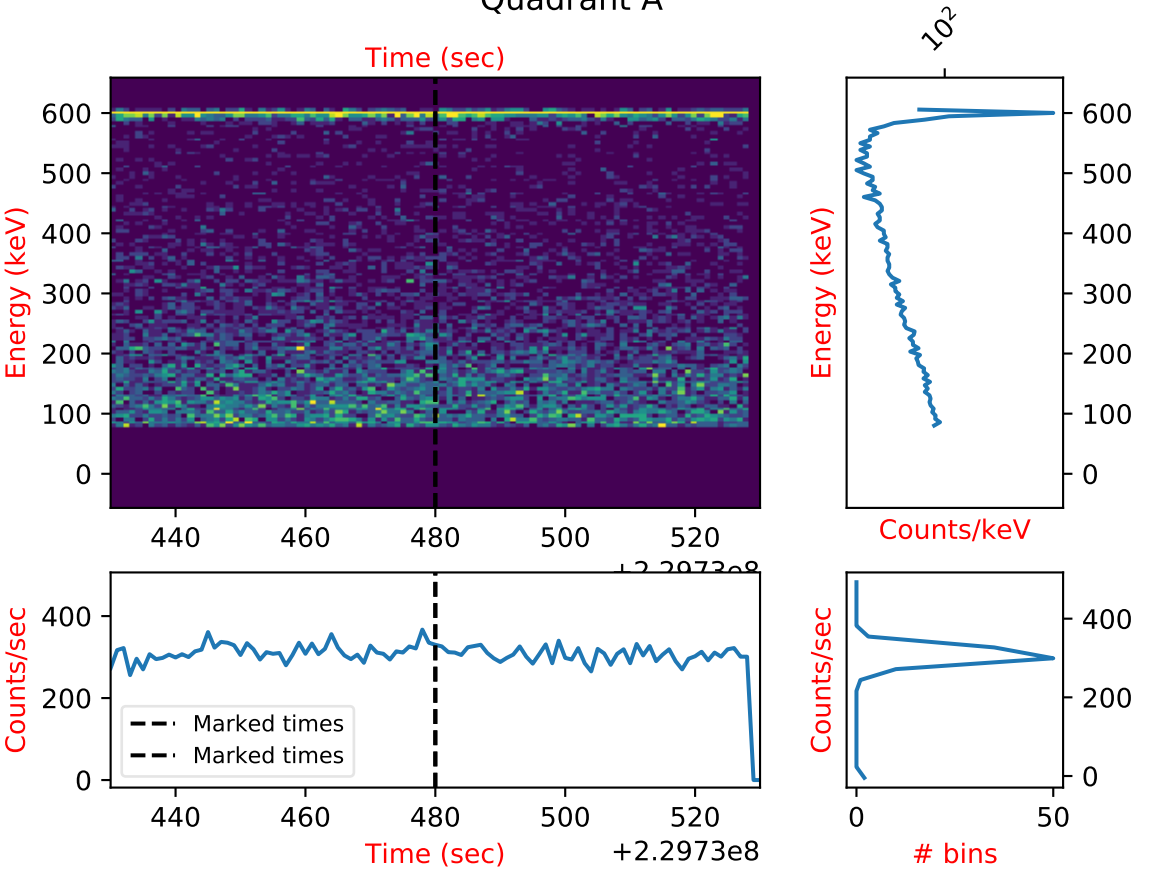
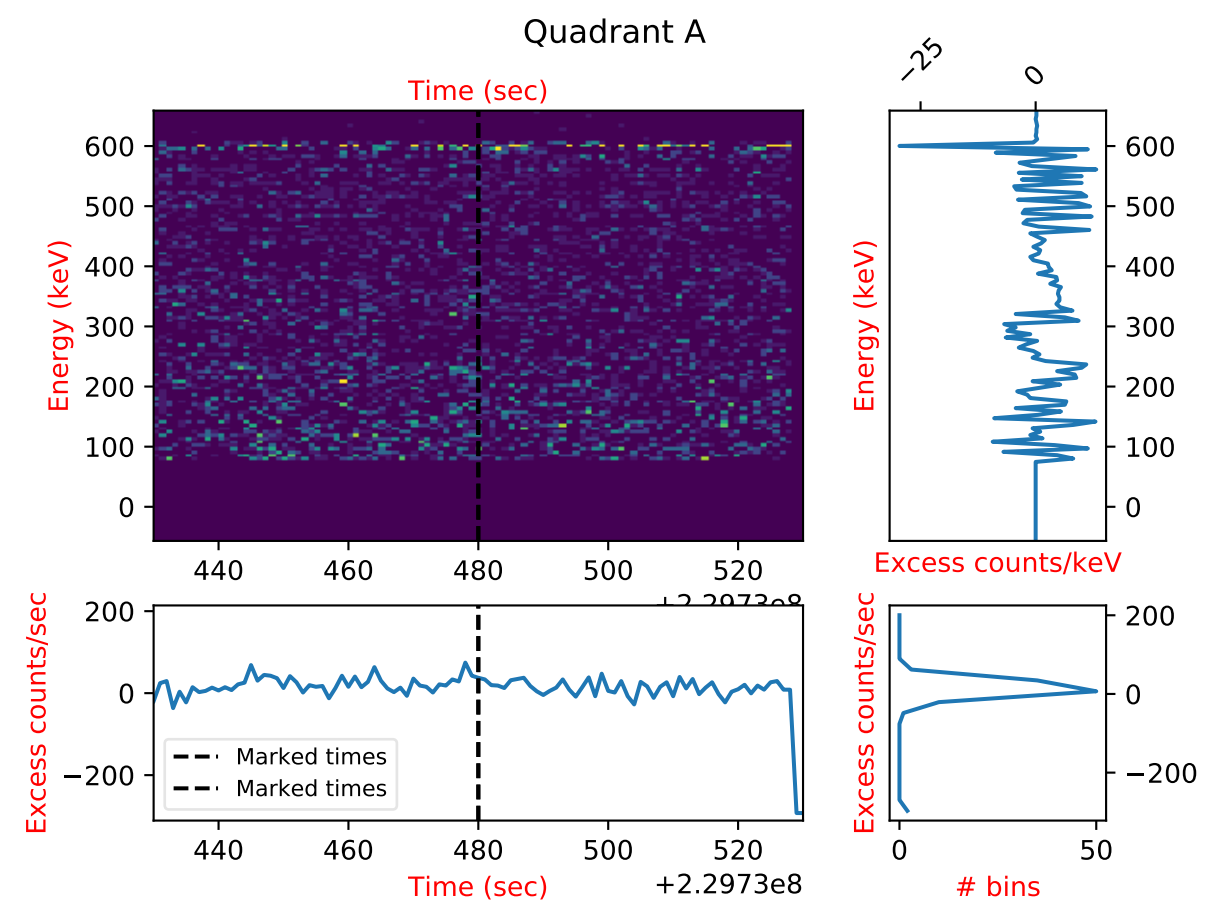
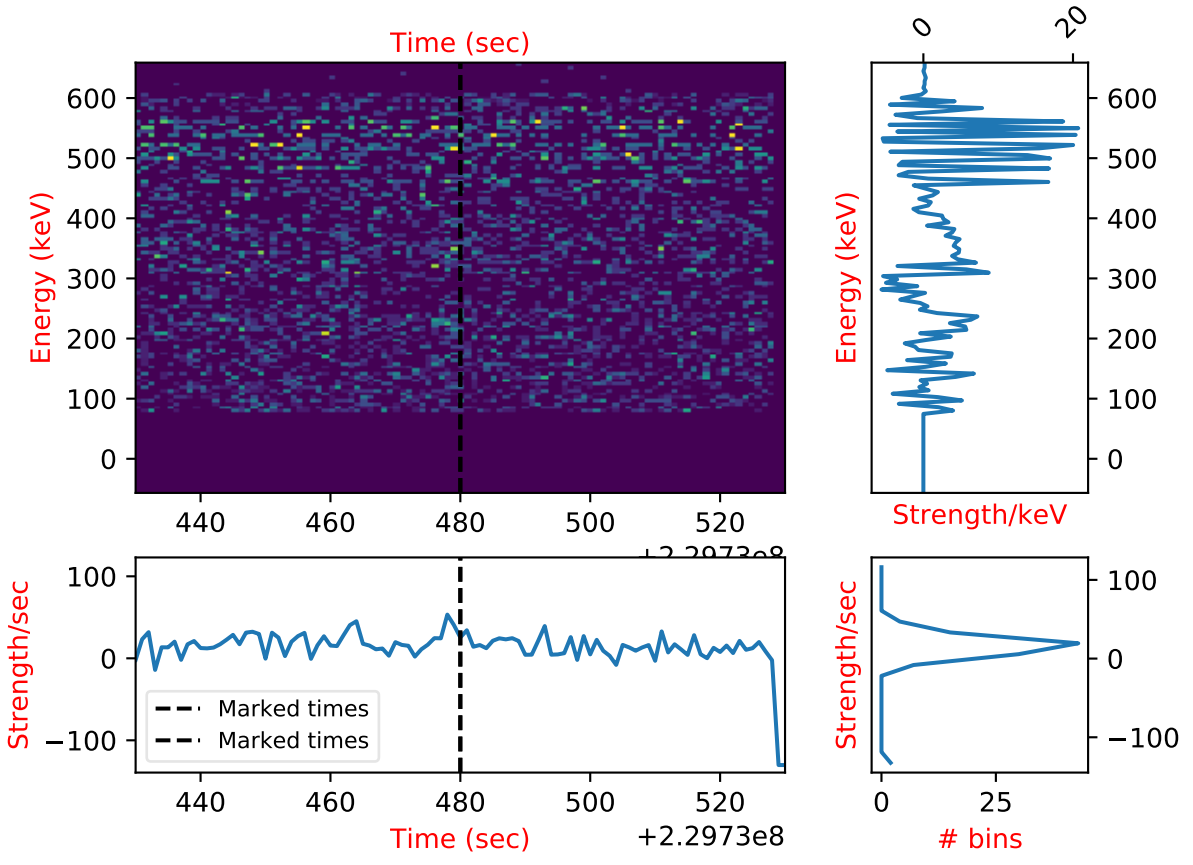
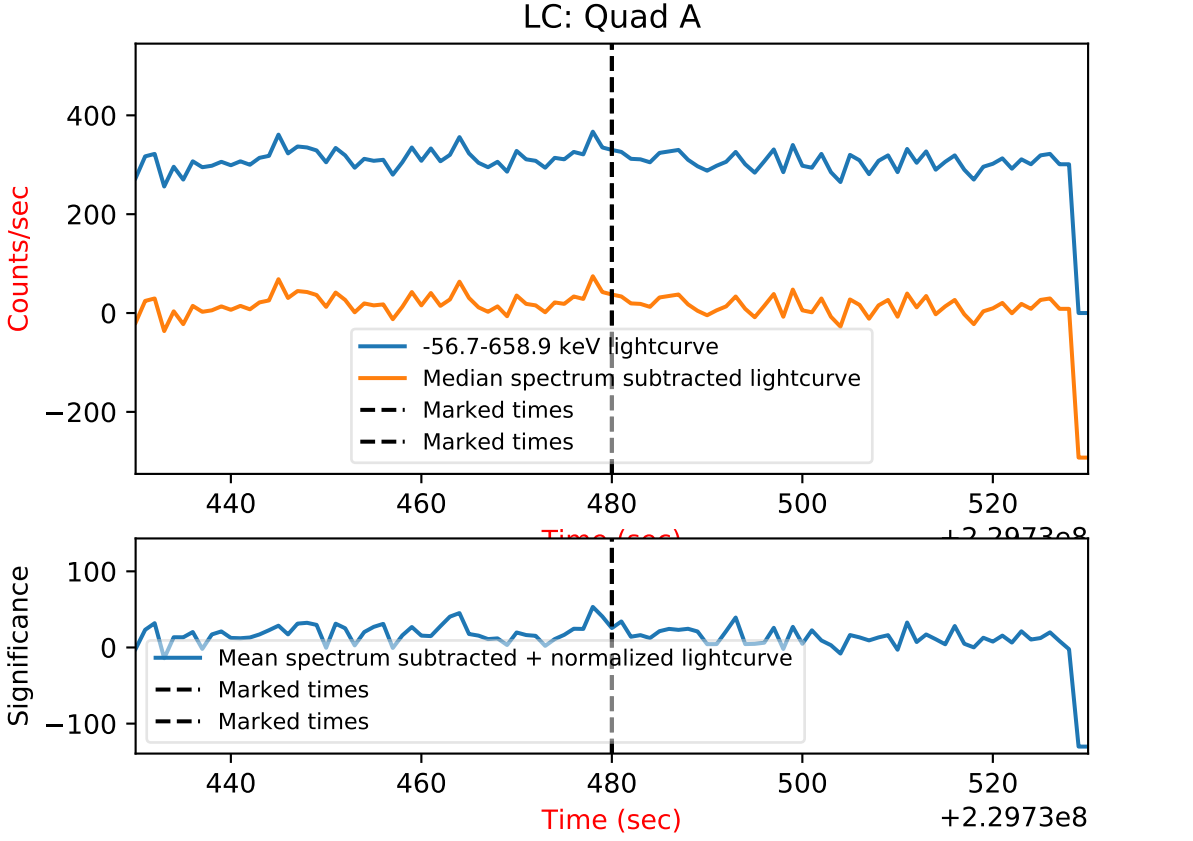
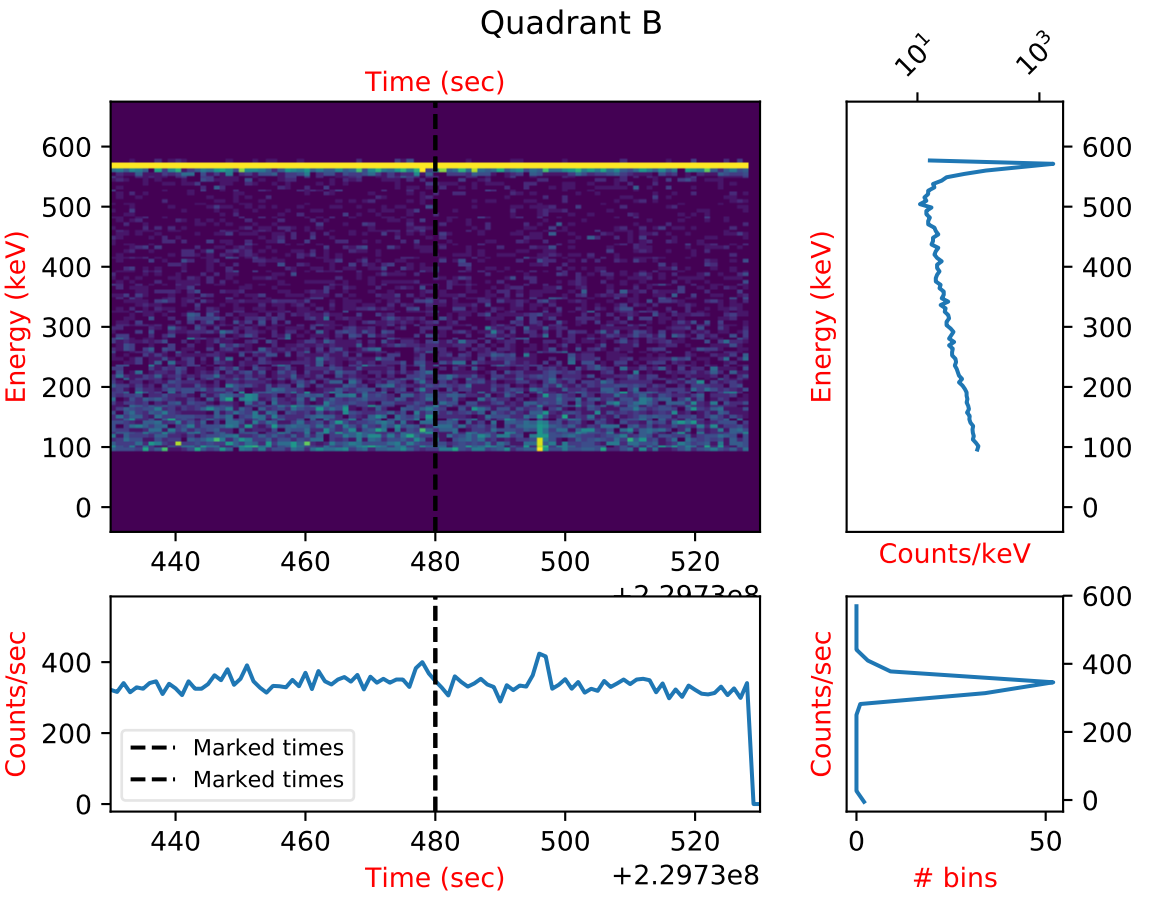
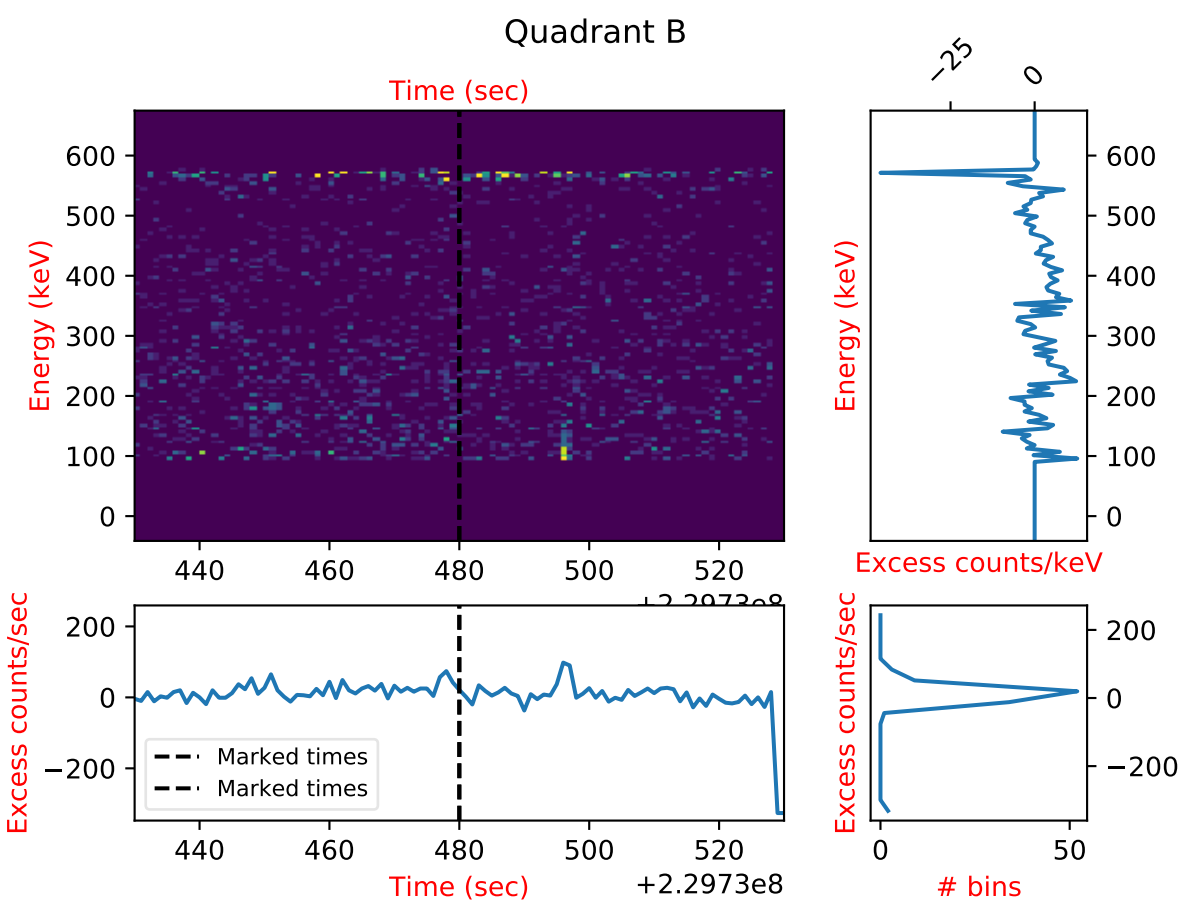

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
440
460
480
500
520
10^2
Counts/keV
Counts/sec
Marked times
Marked times
+2.2973e8
0
50
bins

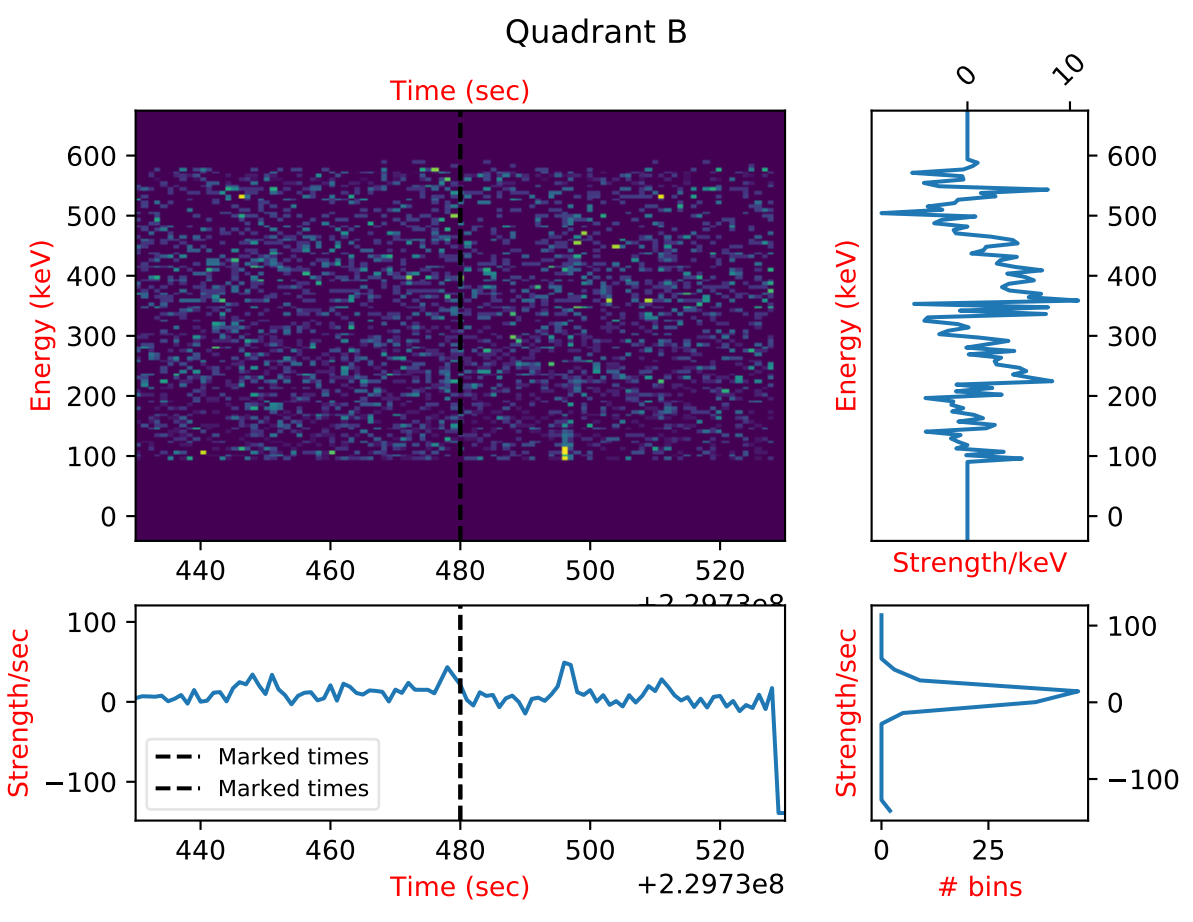

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
440
460
480
500
520
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+2.2973e8
bins
50

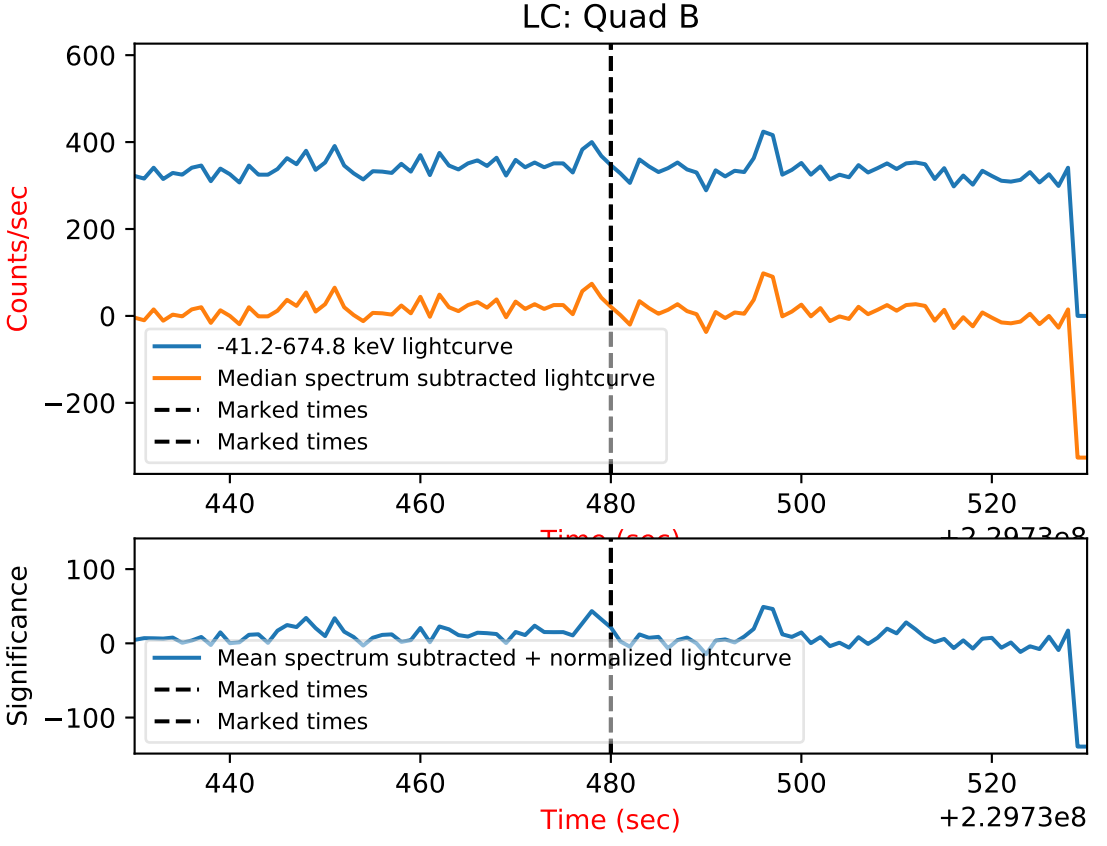

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
440
460
480
500
520
+2.2973e8
0
20
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+2.2973e8
25
bins

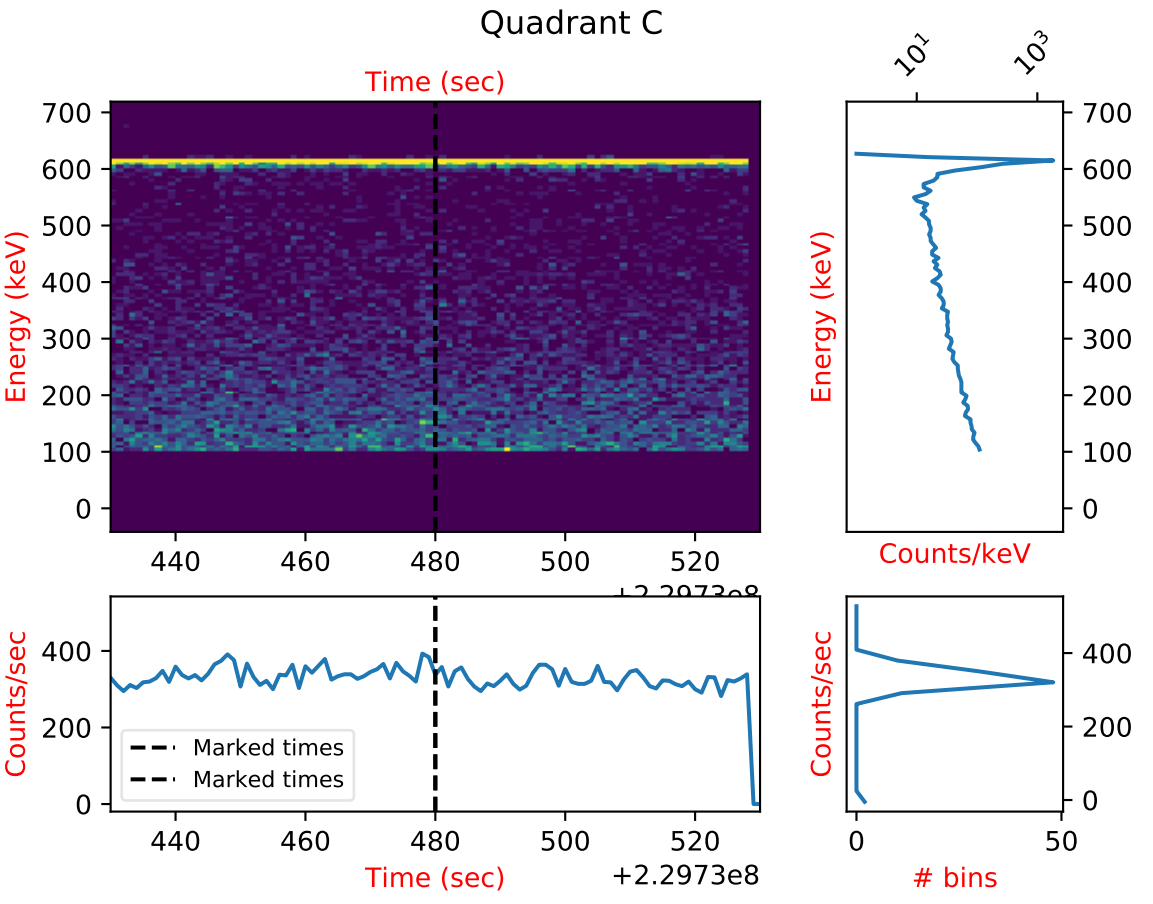

LC: Quad A
Counts/sec
400
200
0
−200
-56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
440
460
480
500
520
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+2.2973e8

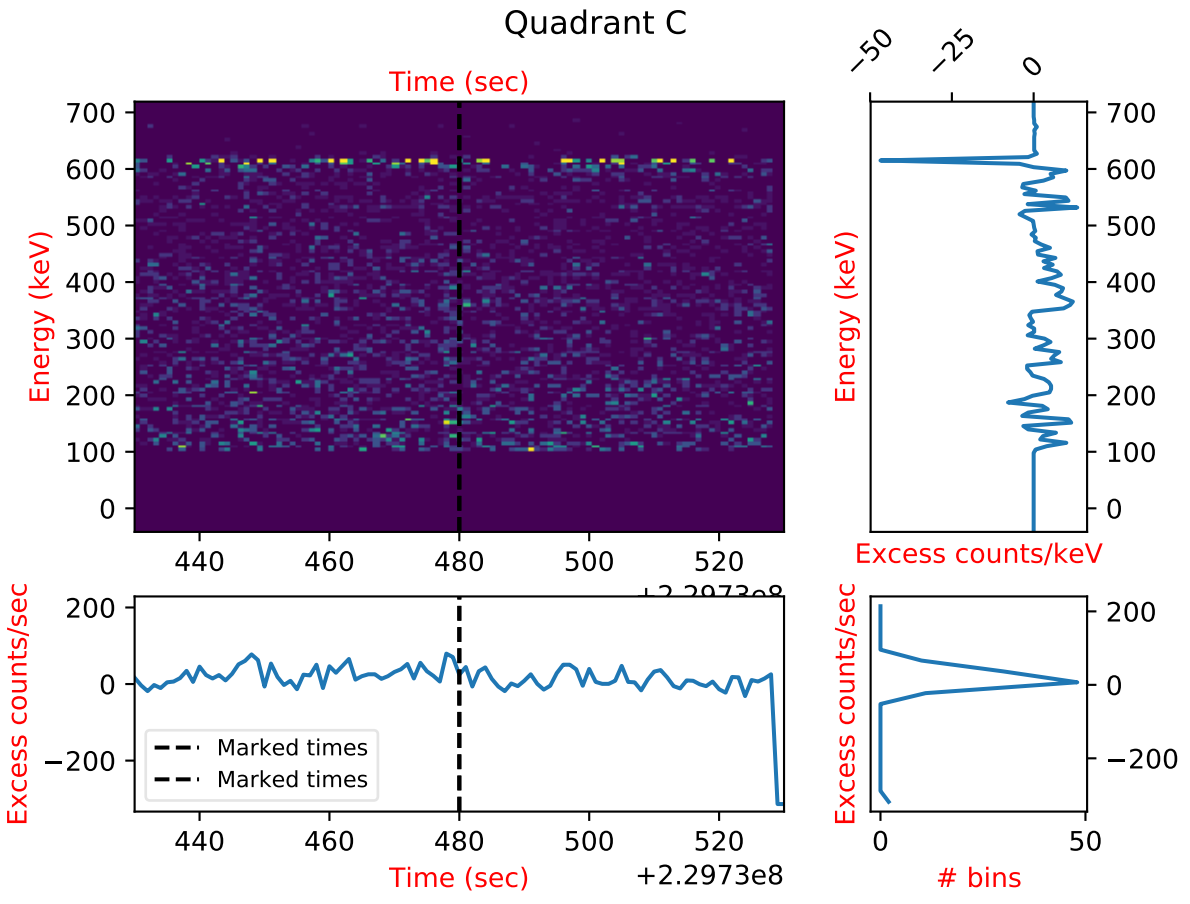

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
440
460
480
500
520
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
+2.2973e8
0
50
bins

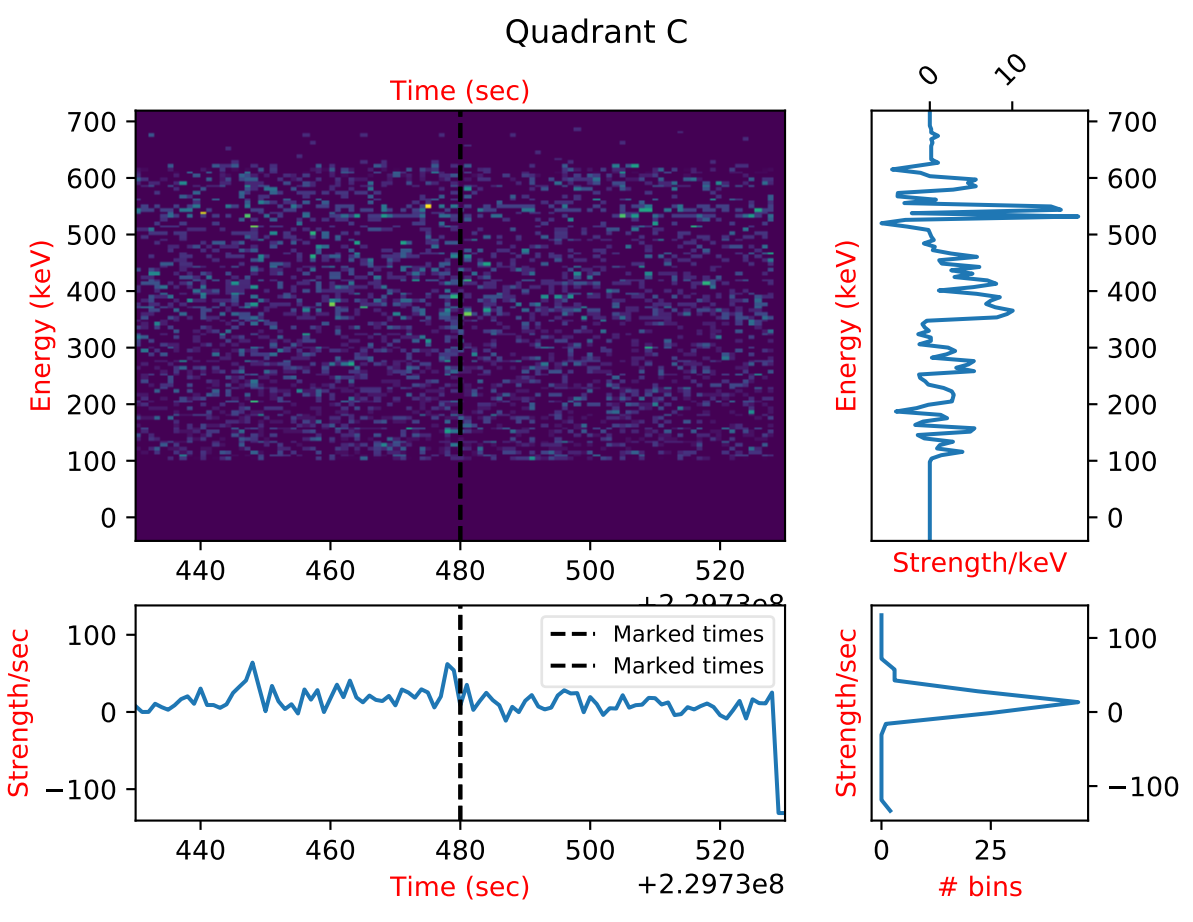

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
440
460
480
500
520
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+2.2973e8
bins
50

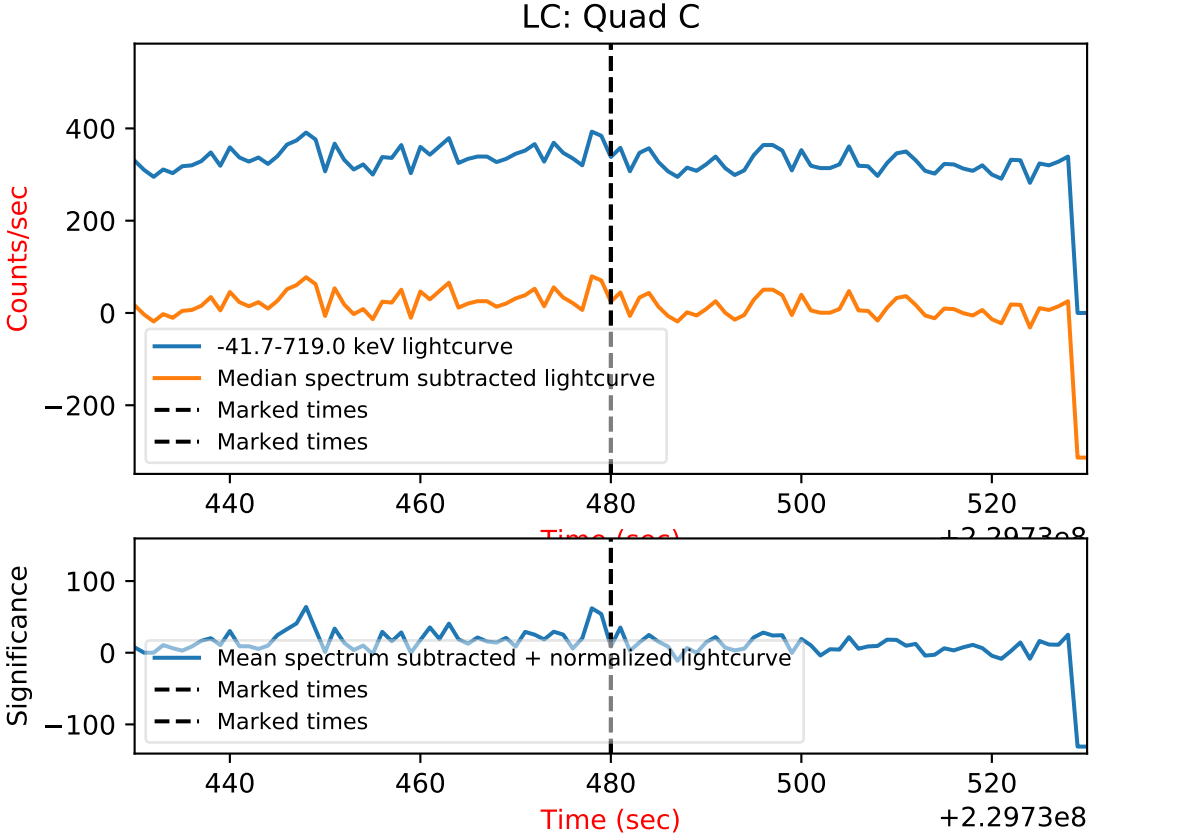

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
440
460
480
500
520
+2.2973e8
0
10
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+2.2973e8
25
bins

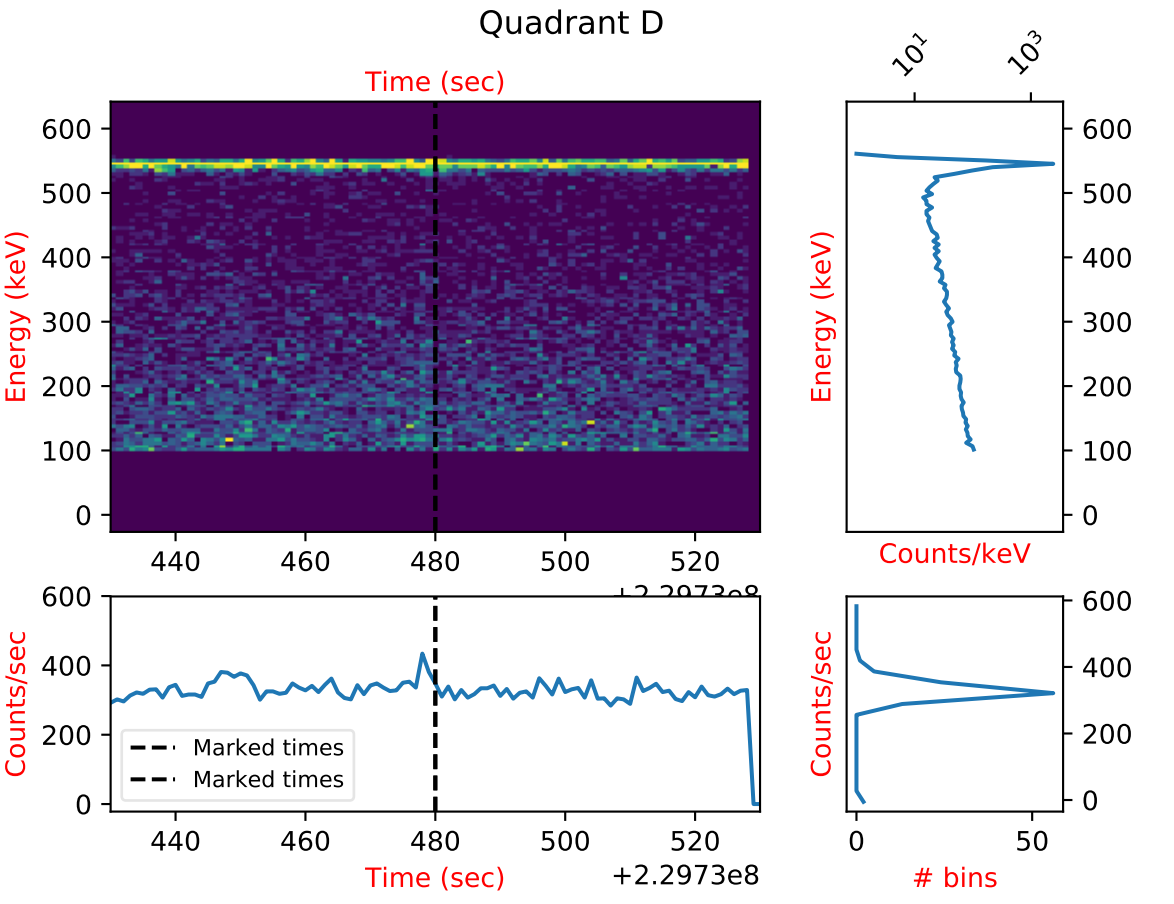

LC: Quad B
Counts/sec
600
400
200
0
−200
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
440
460
480
500
520
+2.2973e8
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
440
460
480
500
520
Time (sec)
+2.2973e8

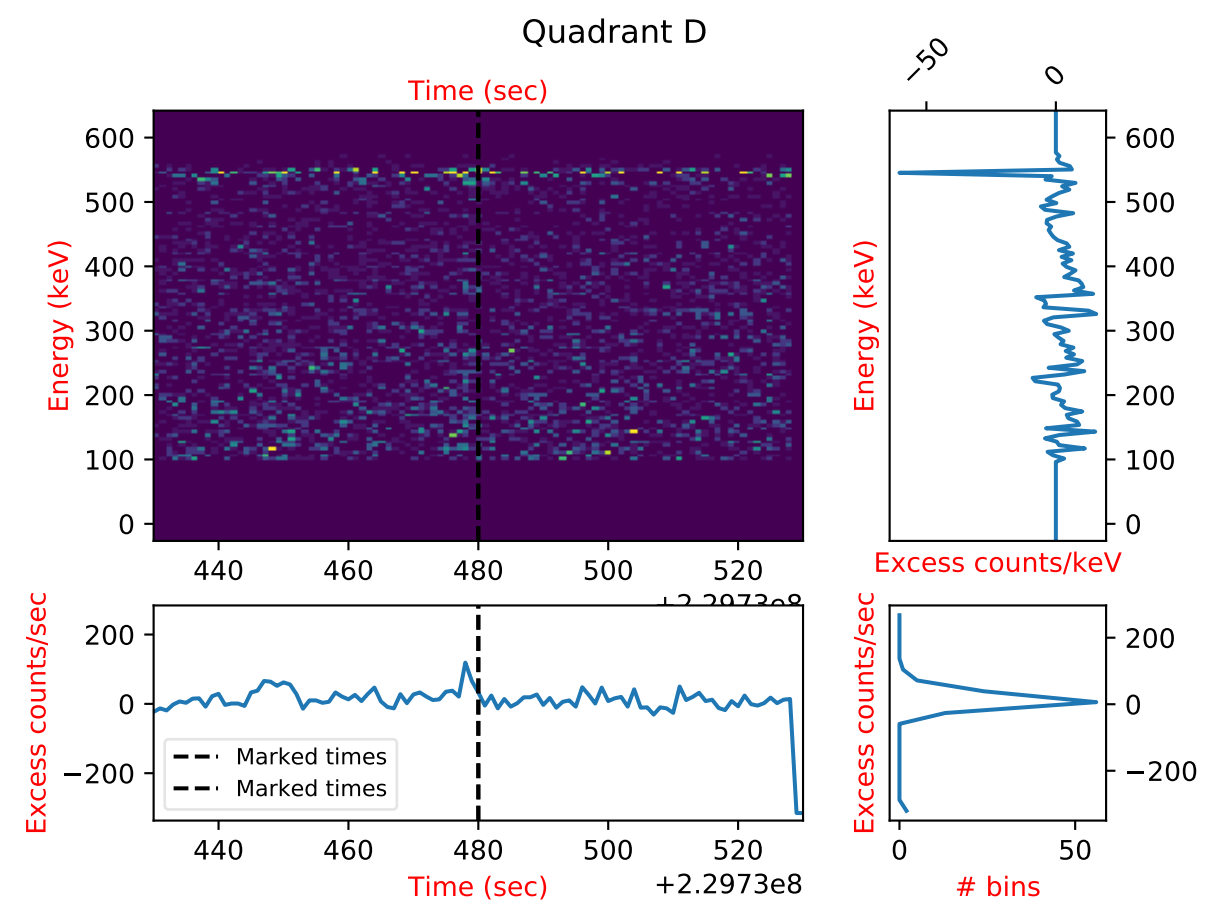

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
440
460
480
500
520
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
+2.2973e8
bins
50

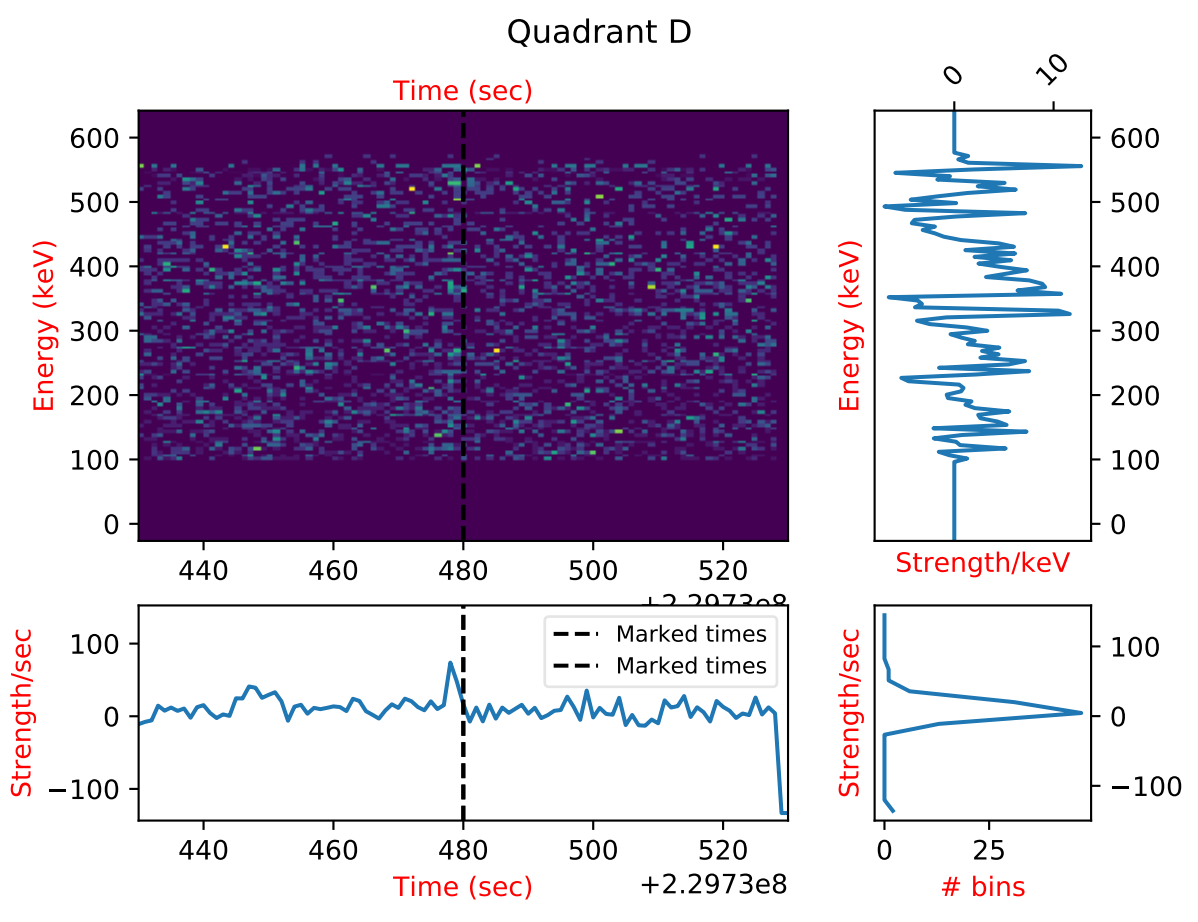

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
440
460
480
500
520
−50
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+2.2973e8
bins
50

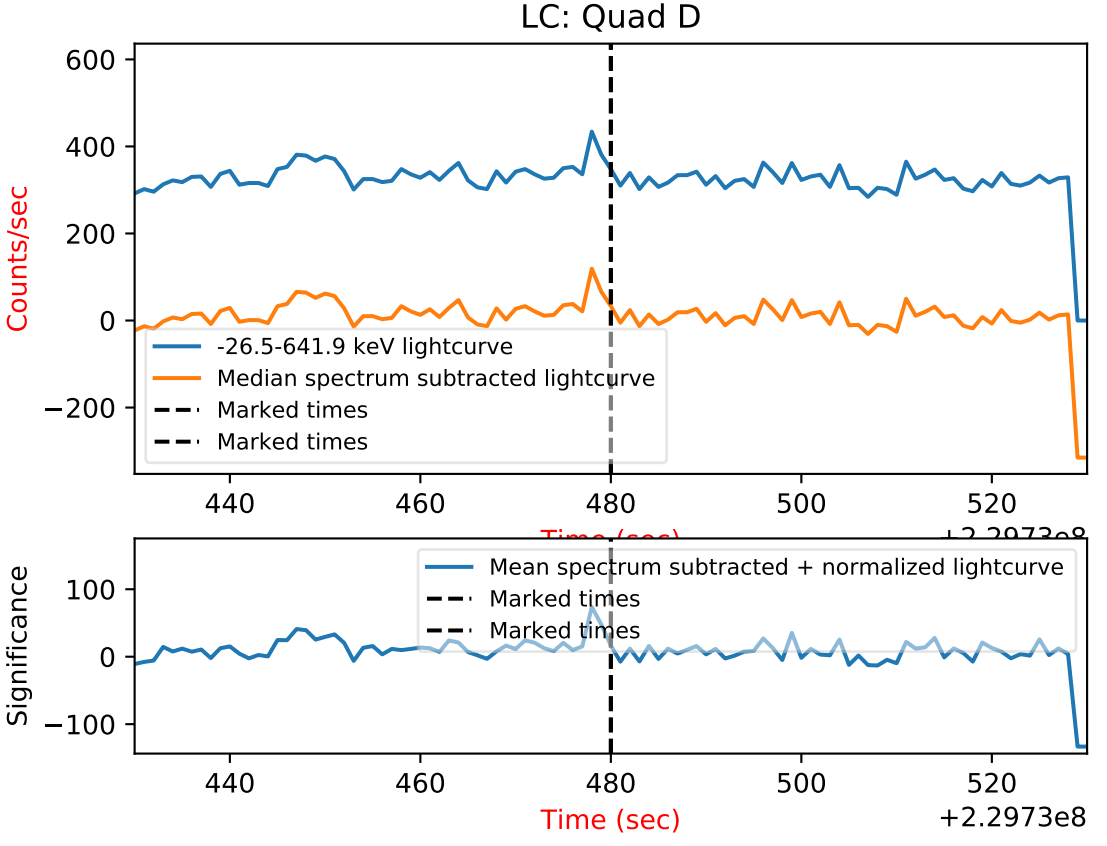

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
440
460
480
500
520
+2.2973e8
0
10
Strength/keV
Strength/sec
Marked times
Marked times
100
0
−100
Time (sec)
+2.2973e8
25
bins

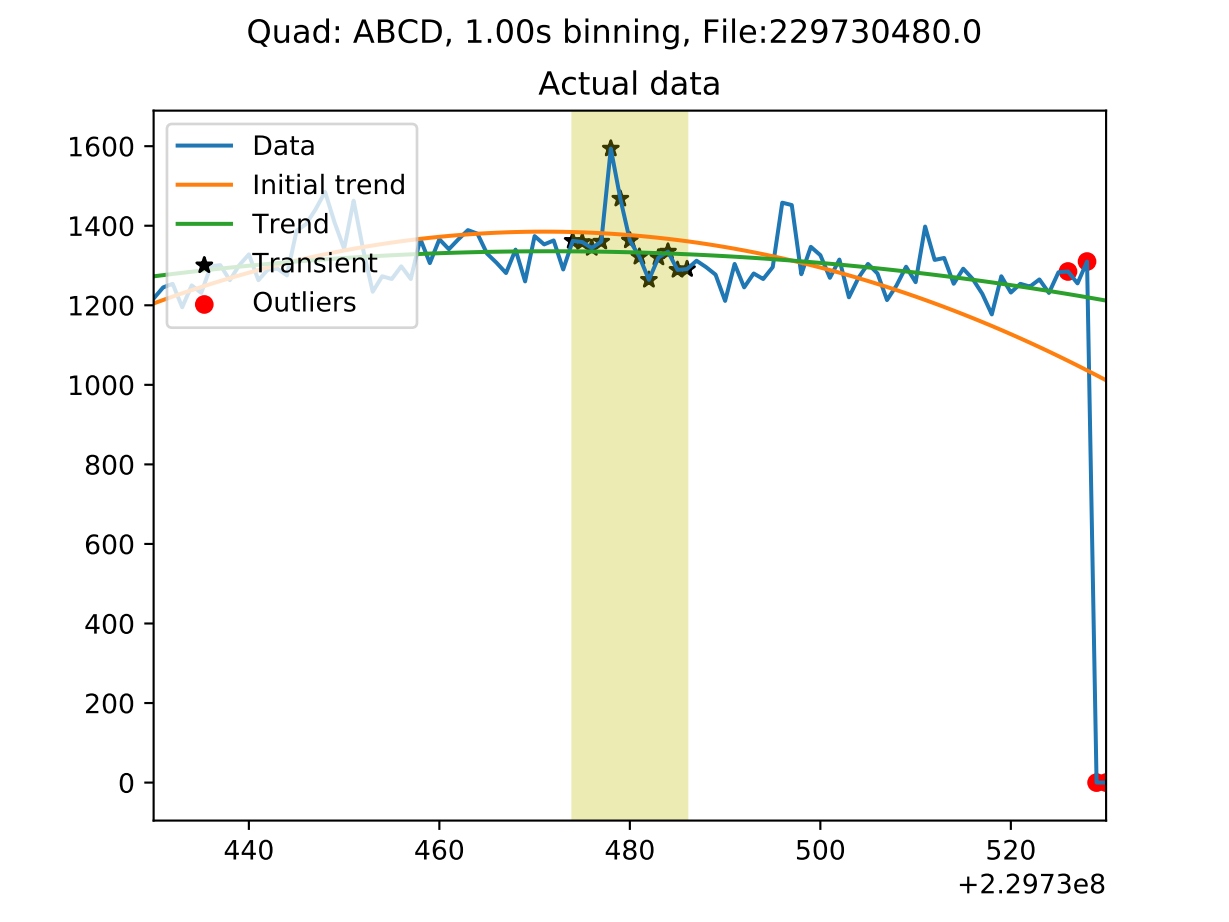

LC: Quad C
Counts/sec
400
200
0
−200
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
440
460
480
500
520
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+2.2973e8

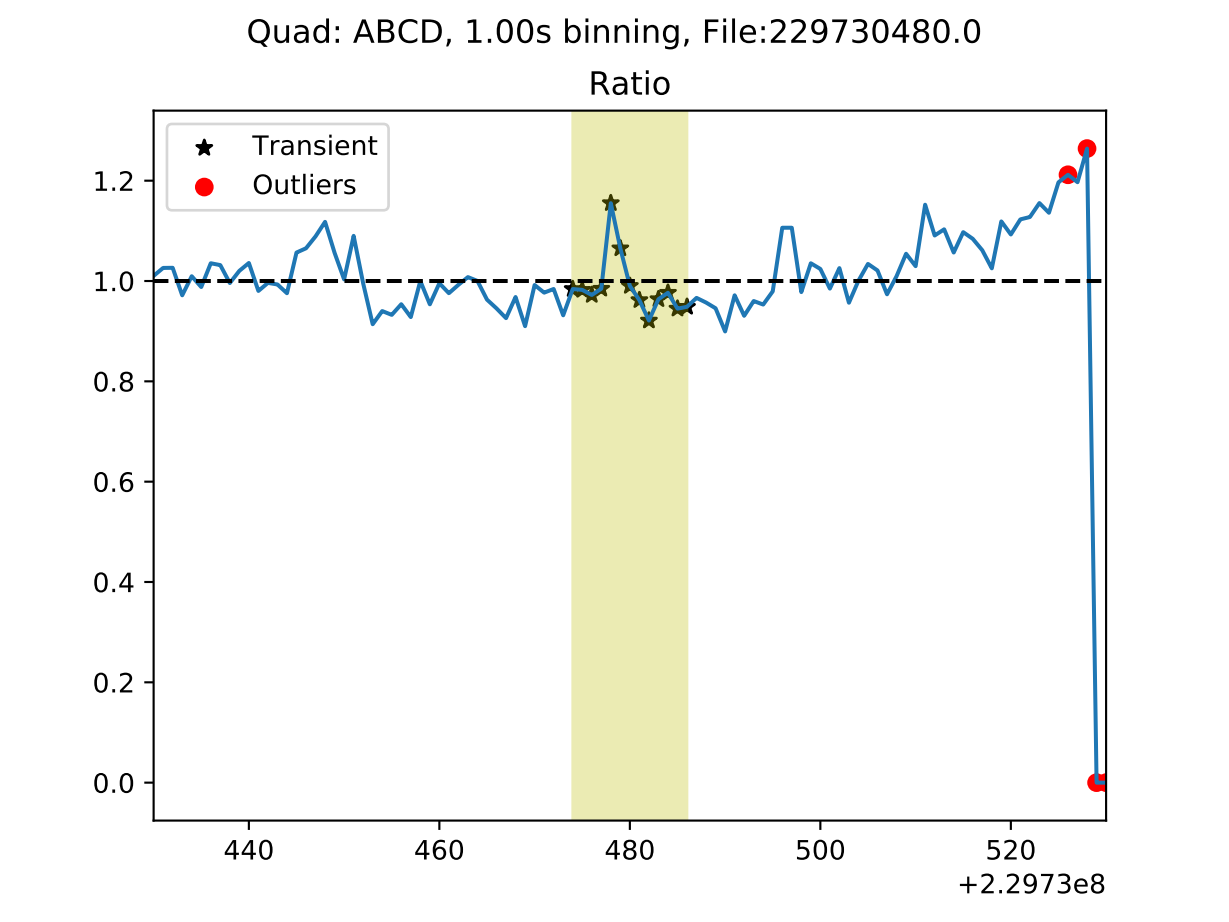

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
440
460
480
500
520
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
+2.2973e8
bins
50

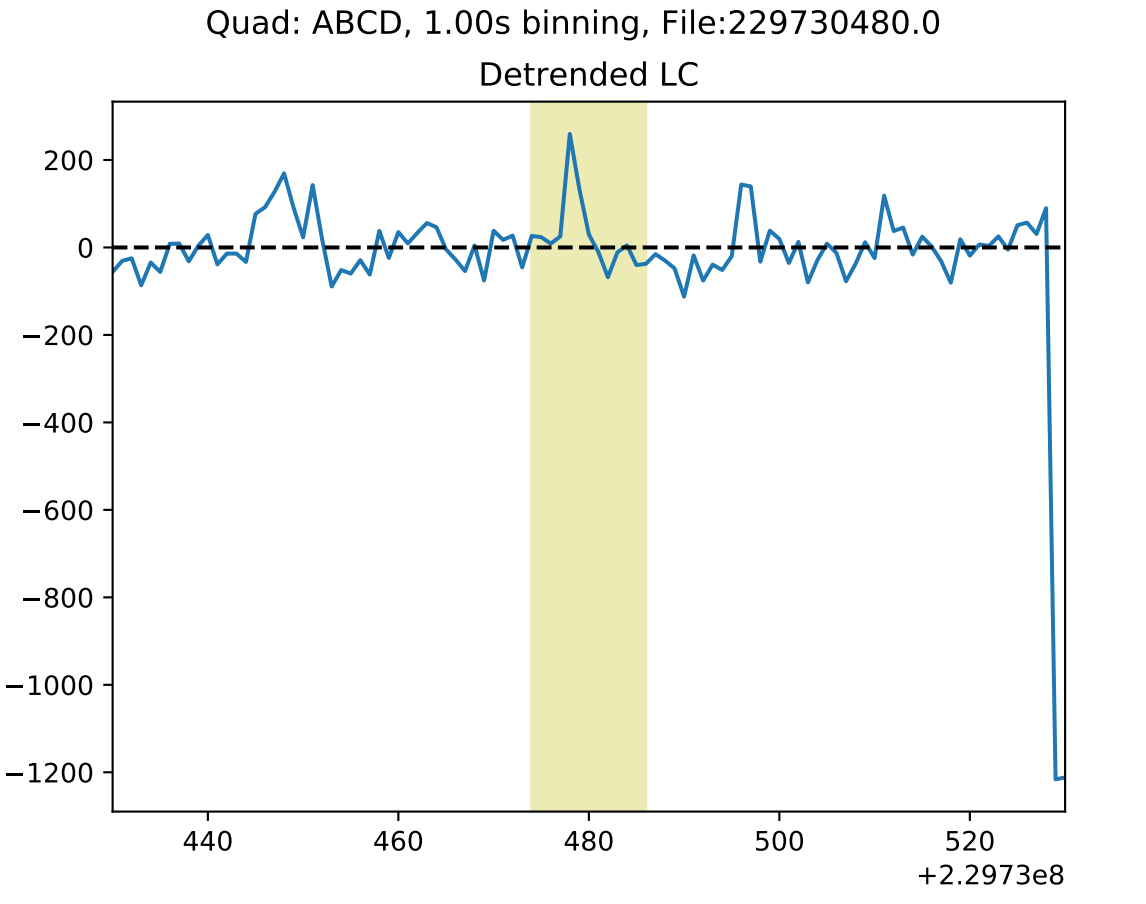

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
440
460
480
500
520
−50
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+2.2973e8
bins
50

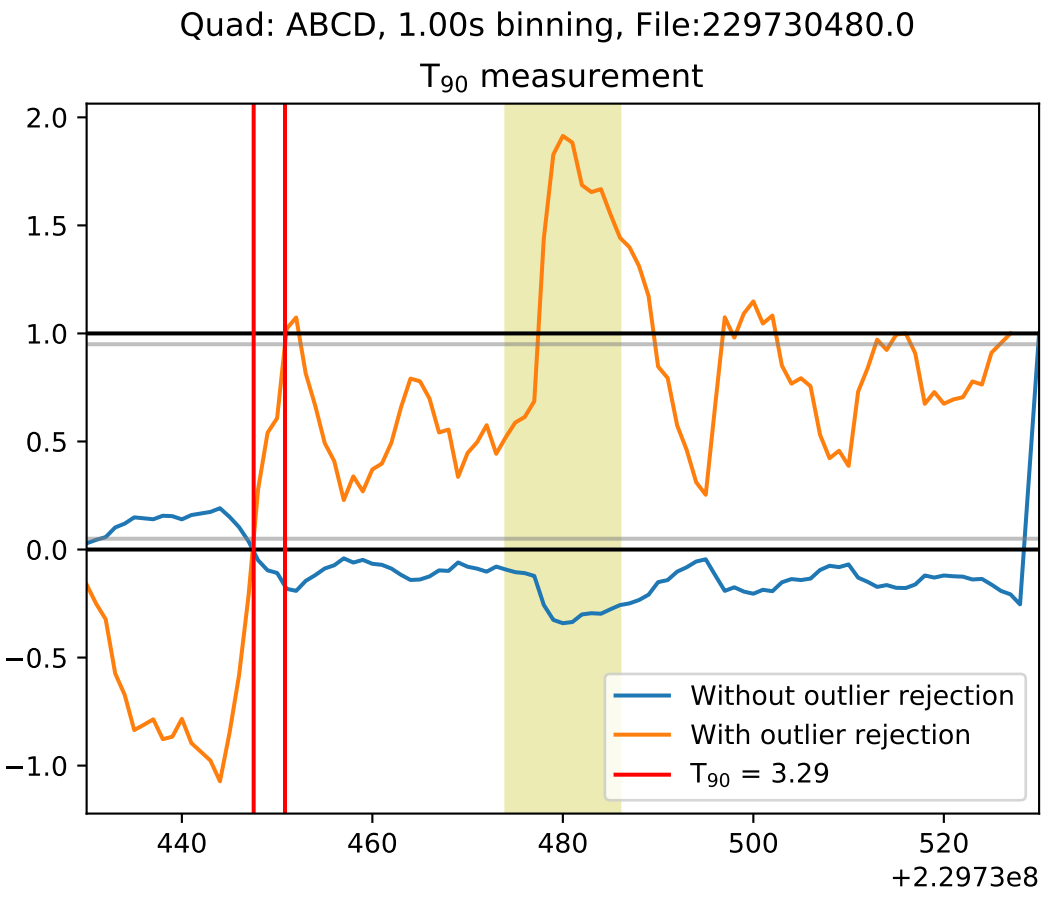

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
440
460
480
500
520
+2.2973e8
0
10
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+2.2973e8
25
bins

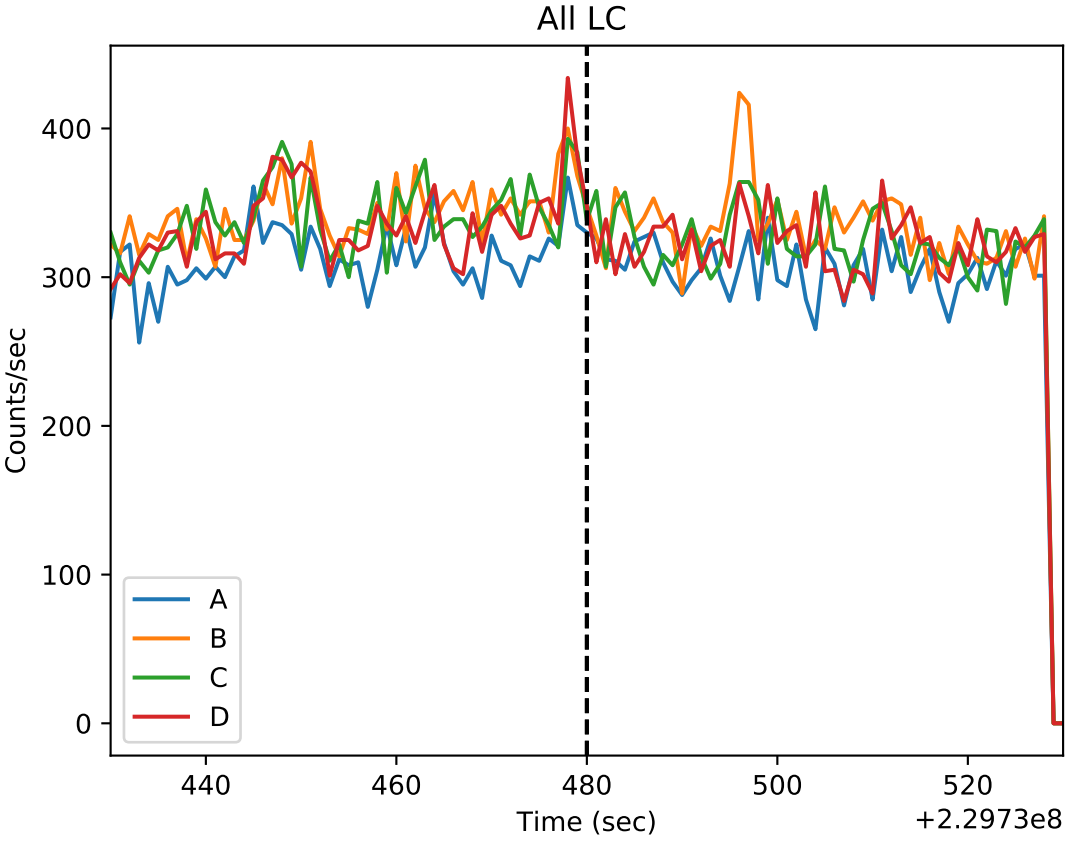

LC: Quad D
Counts/sec
600
400
200
0
−200
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
440
460
480
500
520
+2.2973e8
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
440
460
480
500
520
Time (sec)
+2.2973e8


Quad: ABCD, 1.00s binning, File:229730480.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
1600
1400
1200
1000
800
600
400
200
0
440
460
480
500
520
+2.2973e8


Quad: ABCD, 1.00s binning, File:229730480.0
Ratio
Transient
Outliers
1.2
1.0
0.8
0.6
0.4
0.2
0.0
440
460
480
500
520
+2.2973e8


Quad: ABCD, 1.00s binning, File:229730480.0
Detrended LC
200
0
−200
−400
−600
−800
−1000
−1200
440
460
480
500
520
+2.2973e8


Quad: ABCD, 1.00s binning, File:229730480.0
T90 measurement
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
440
460
480
500
520
+2.2973e8
Without outlier rejection
With outlier rejection
T90 = 3.29


All LC
Counts/sec
400
300
200
100
0
A
B
C
D
440
460
480
500
520
Time (sec)
+2.2973e8