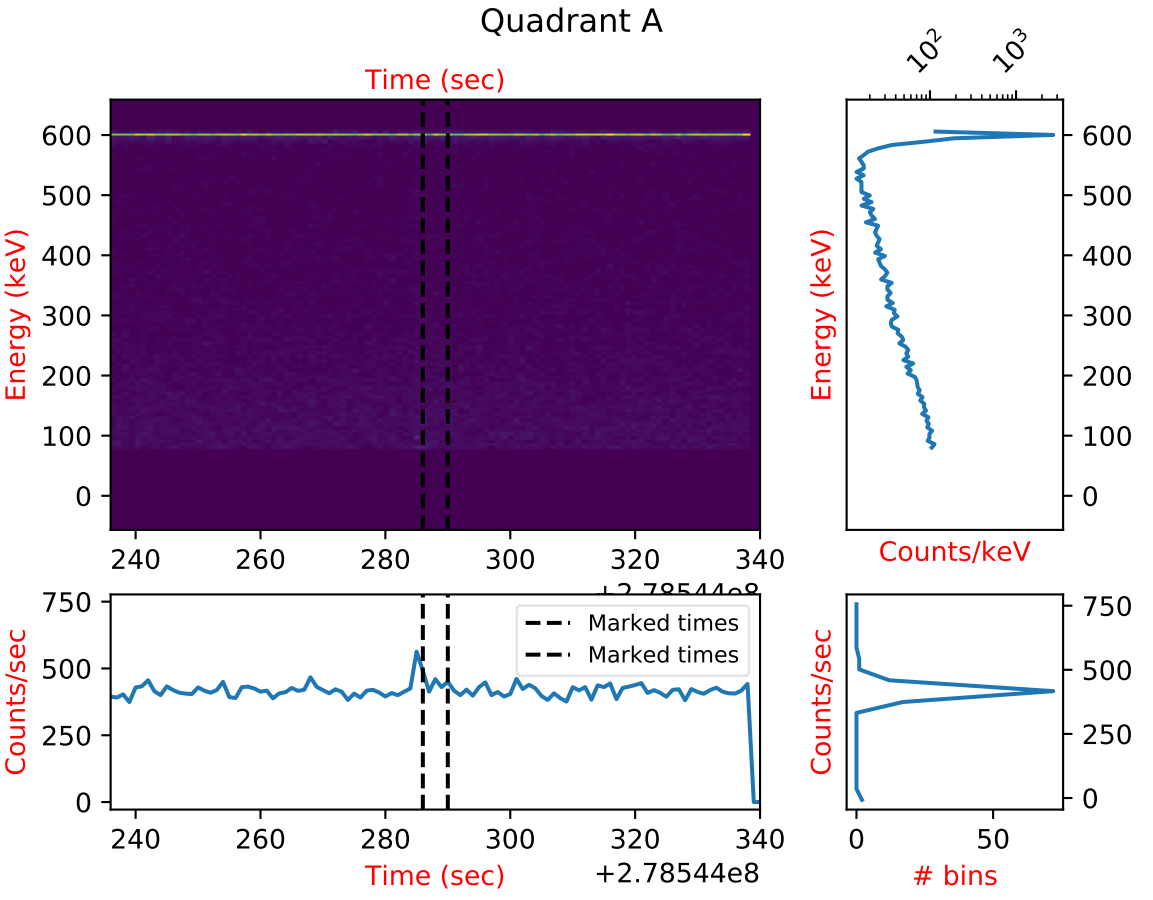
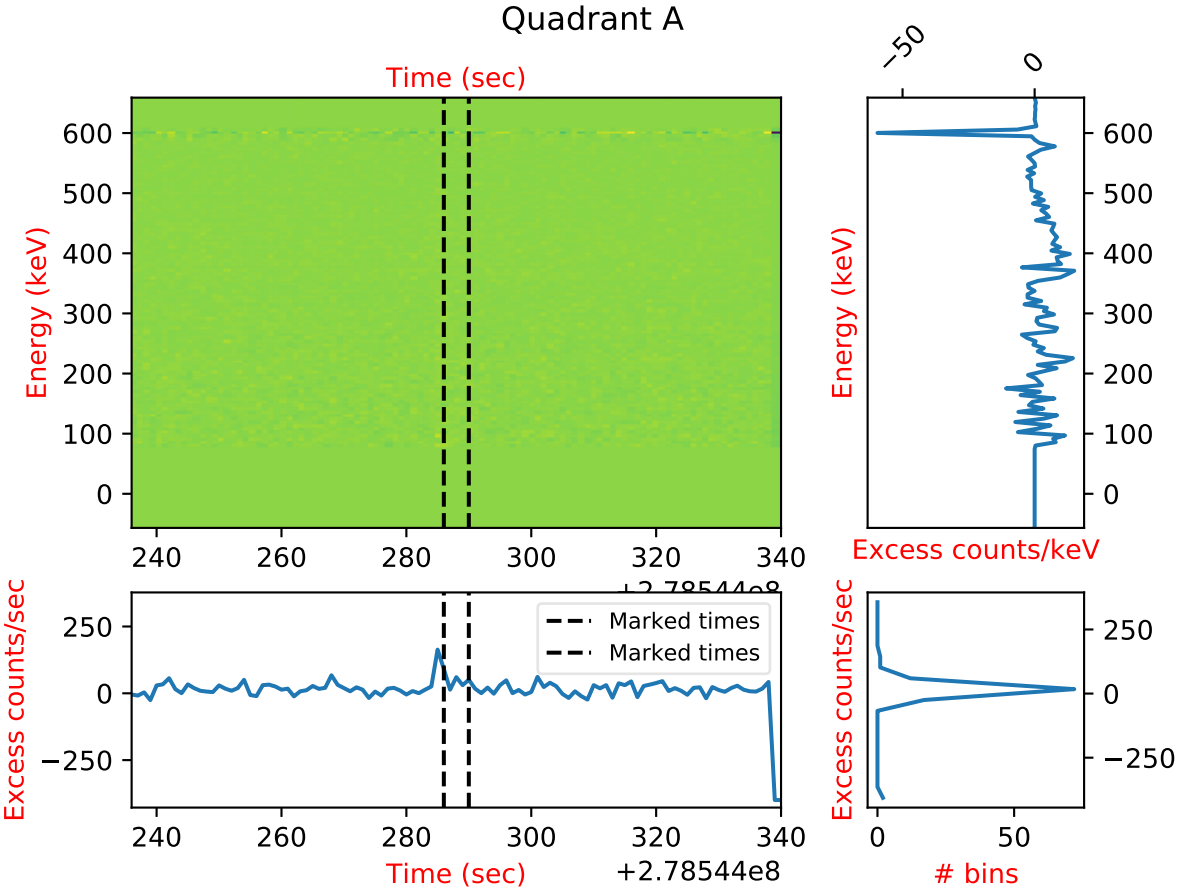
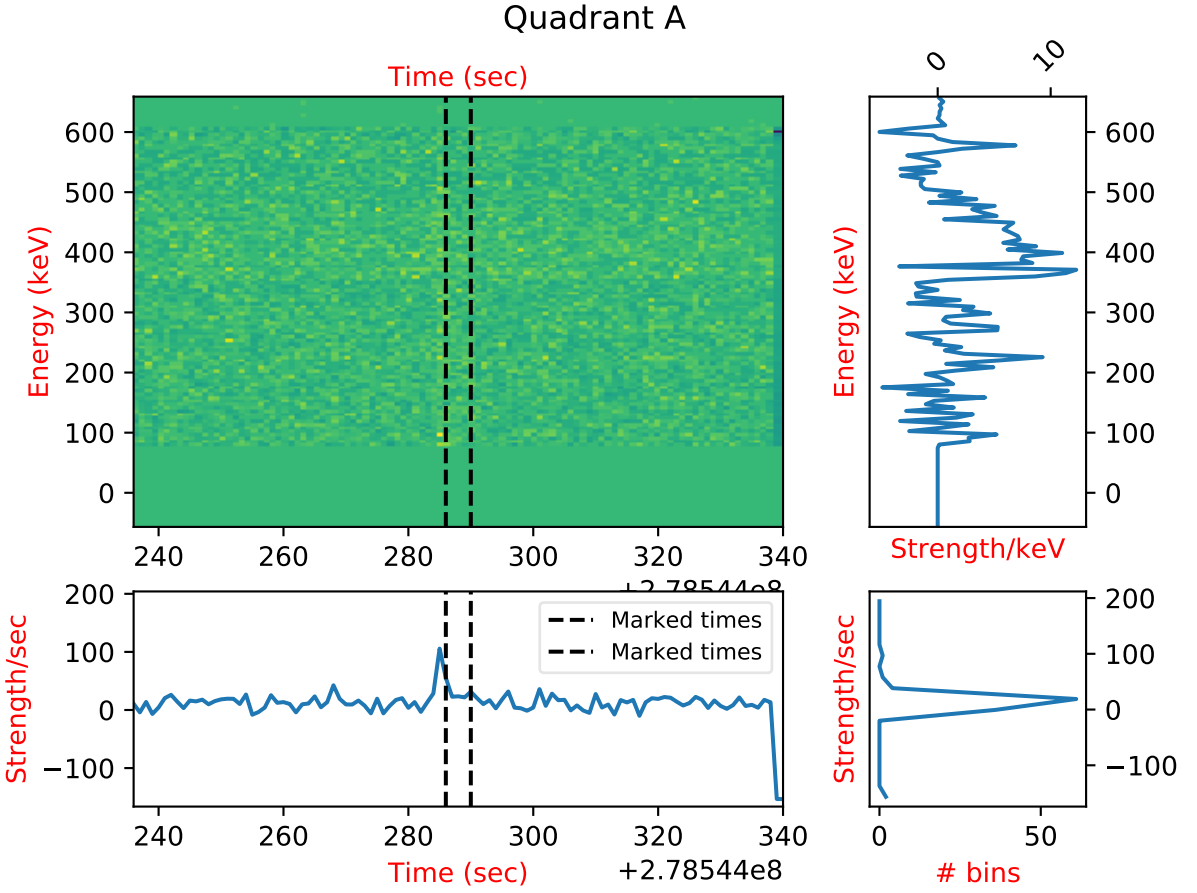
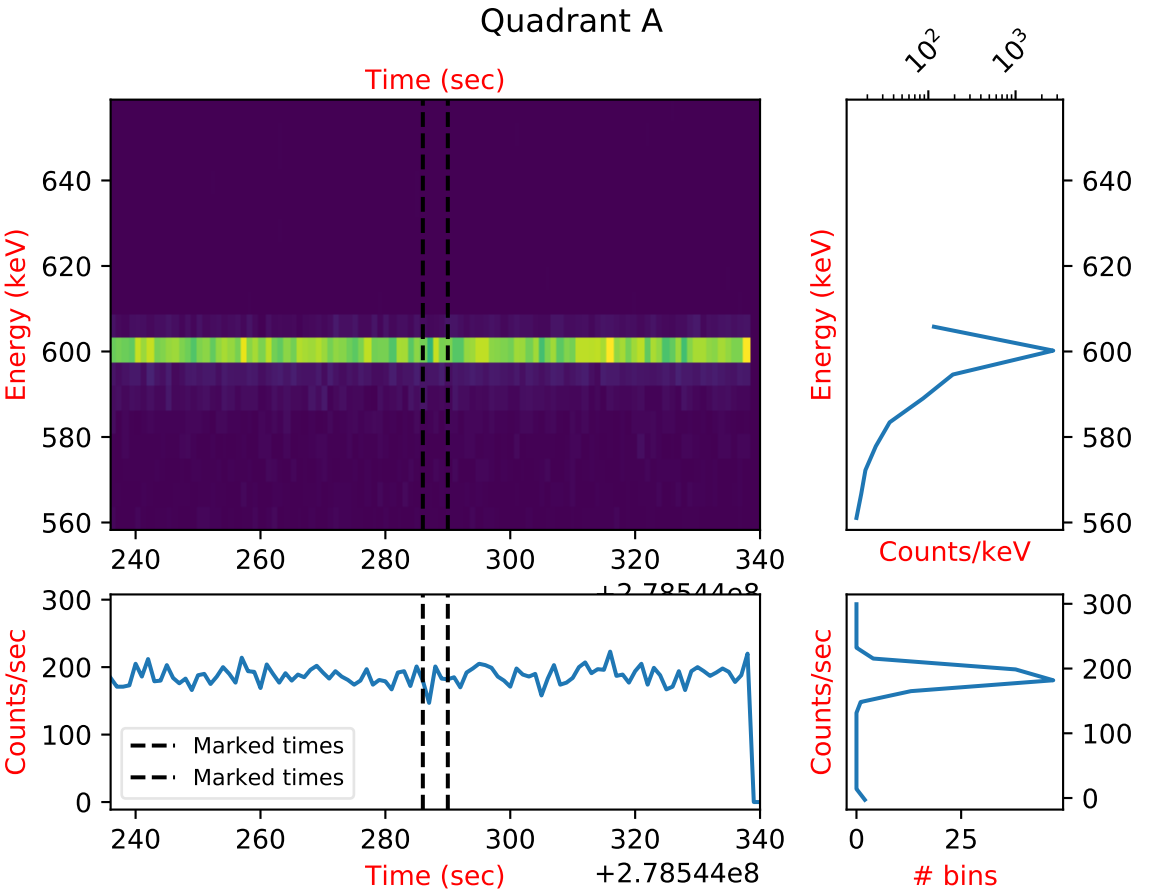
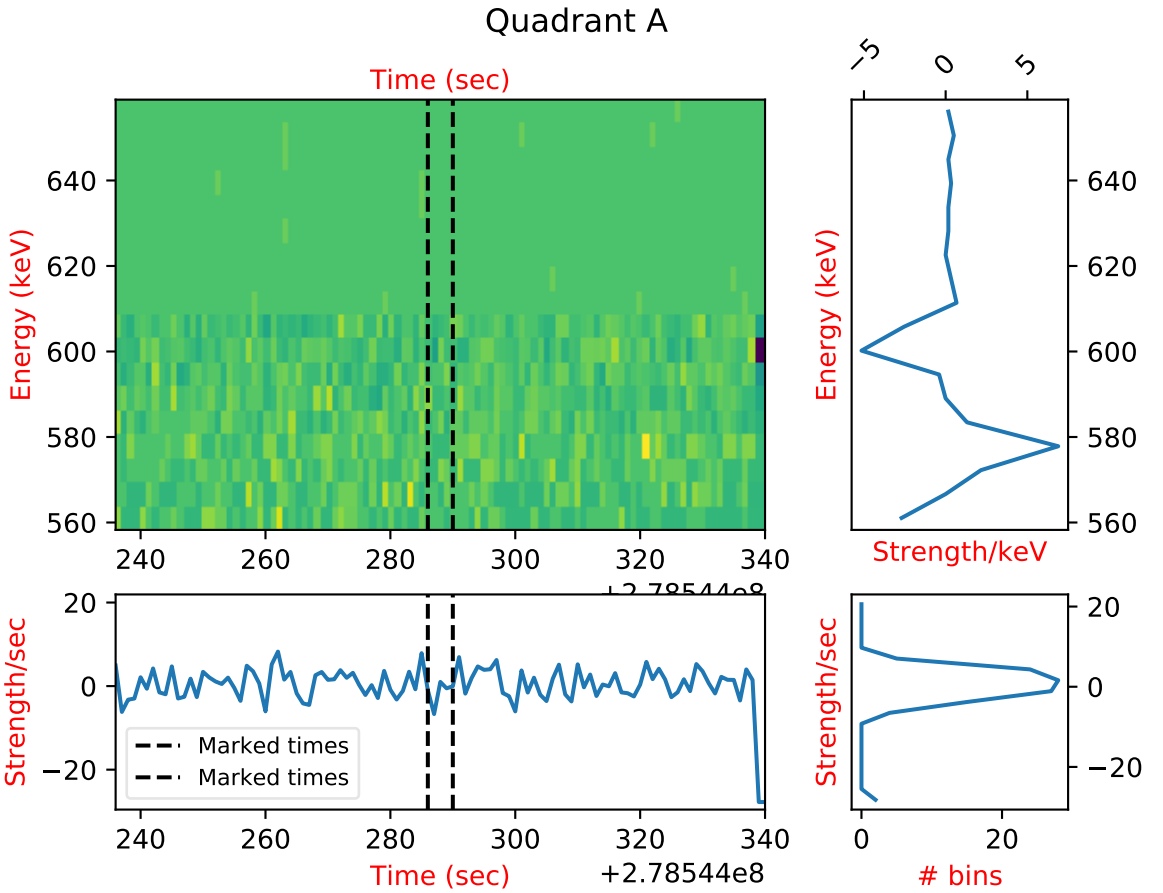
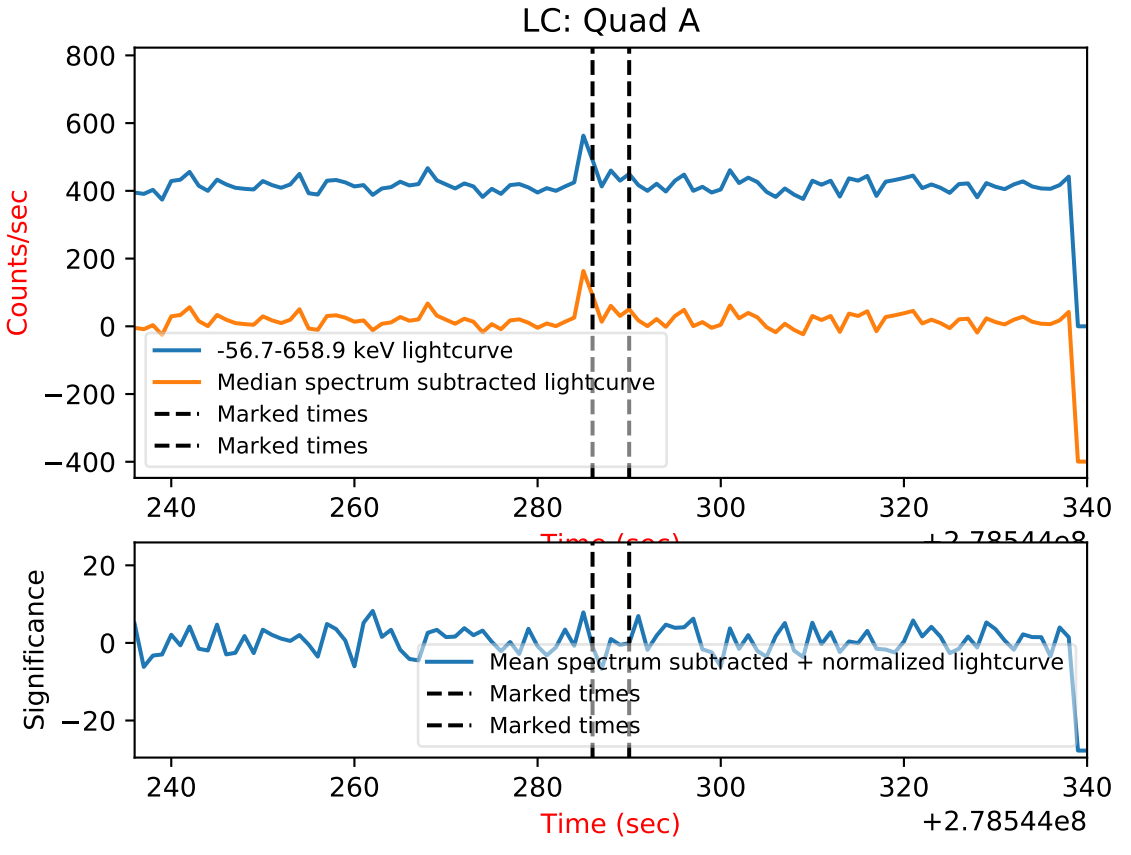

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
240
260
280
300
320
340
+2.78544e8
10^2
10^3
Counts/keV
Counts/sec
750
500
250
0
Marked times
Marked times
Time (sec)
+2.78544e8
bins
50

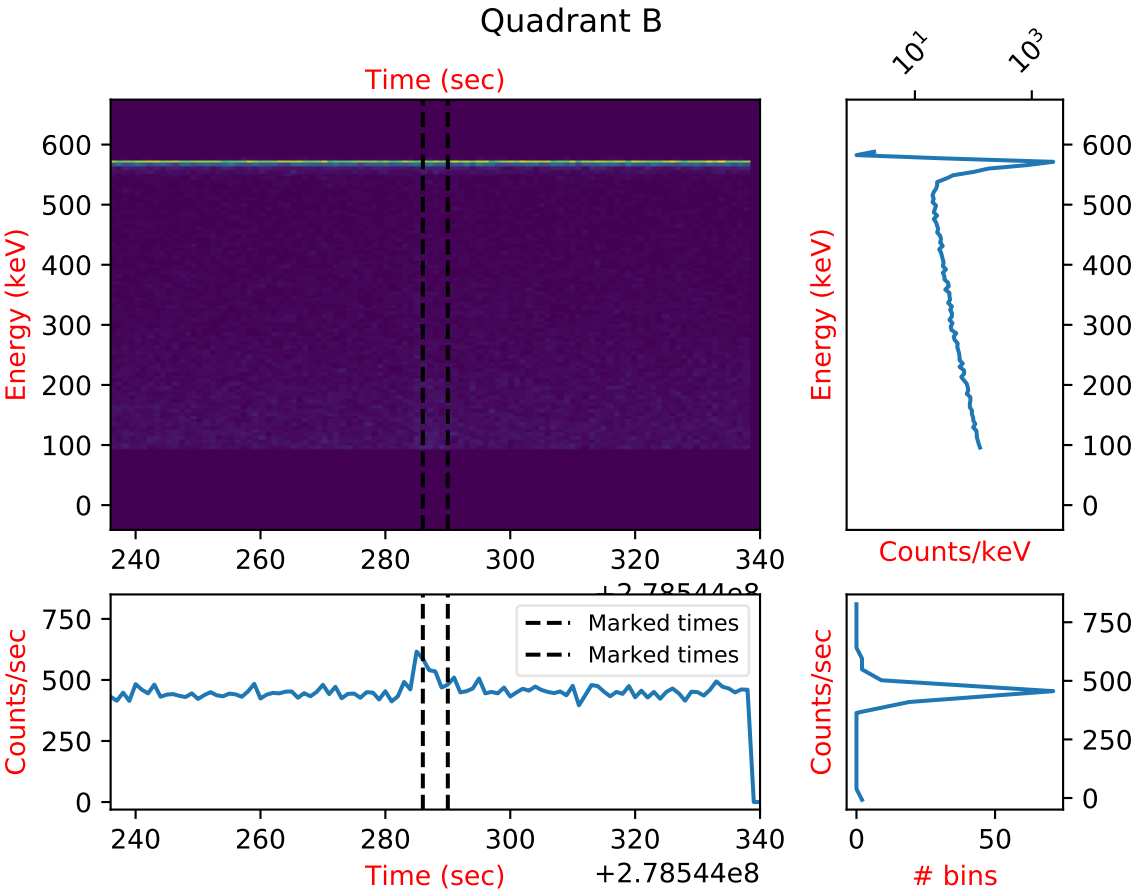

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
240
260
280
300
320
340
+2.78544e8
−50
0
Excess counts/keV
Excess counts/sec
250
0
−250
Marked times
Marked times
Time (sec)
+2.78544e8
bins
50

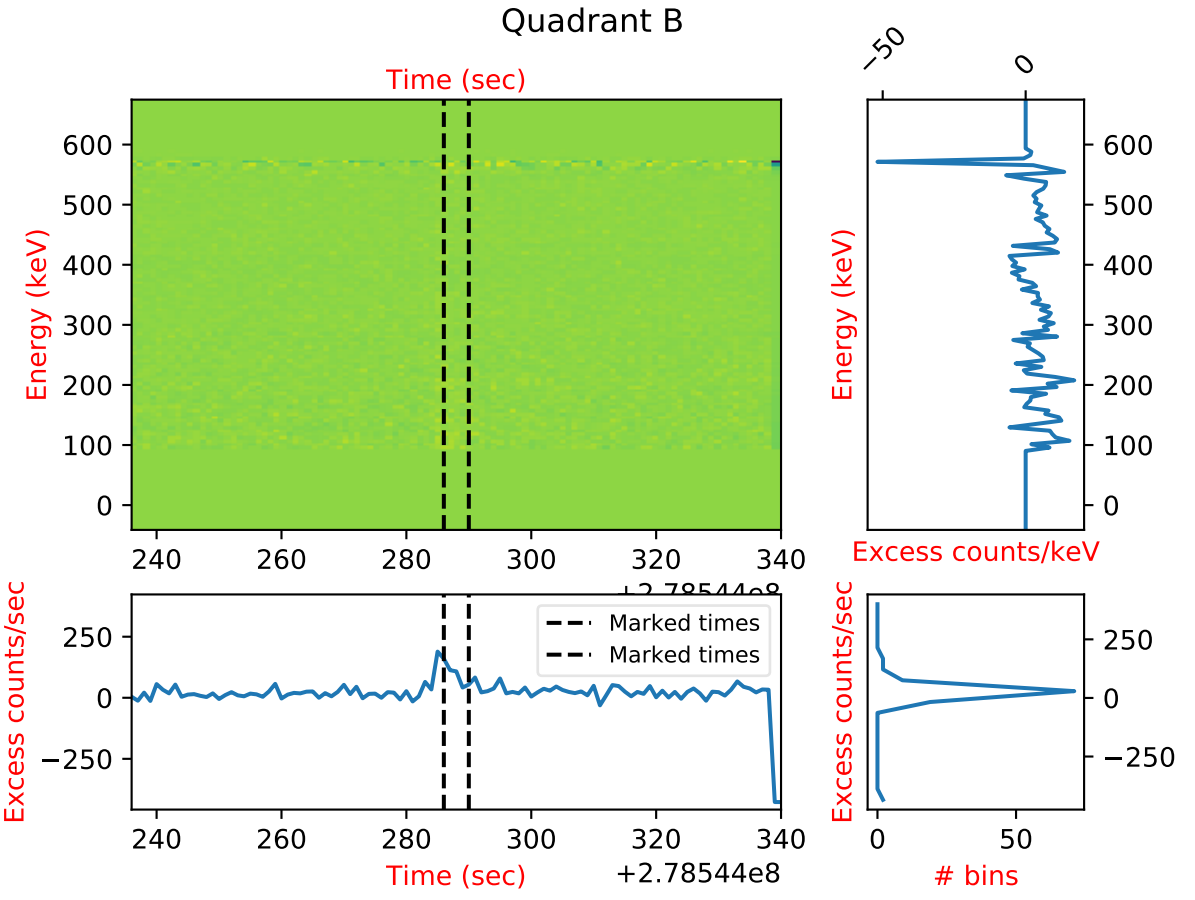

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
240
260
280
300
320
340
+2.78544e8
0
10
Strength/keV
Strength/sec
200
100
0
−100
Marked times
Marked times
Time (sec)
+2.78544e8
bins
50

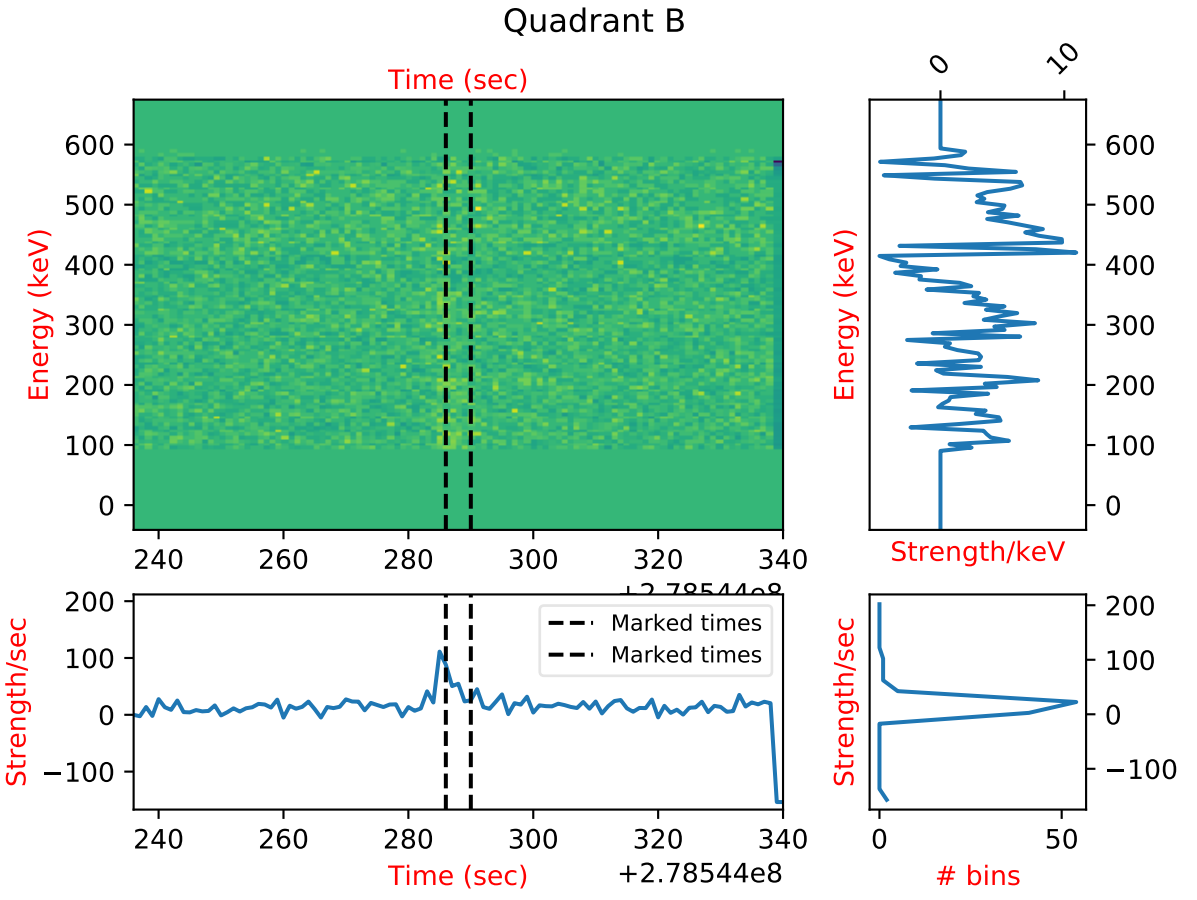

Quadrant A
Time (sec)
Energy (keV)
640
620
600
580
560
240
260
280
300
320
340
+2.78544e8
Counts/keV
10^2
10^3
Counts/sec
300
200
100
0
Marked times
Marked times
Time (sec)
+2.78544e8
bins
0
25

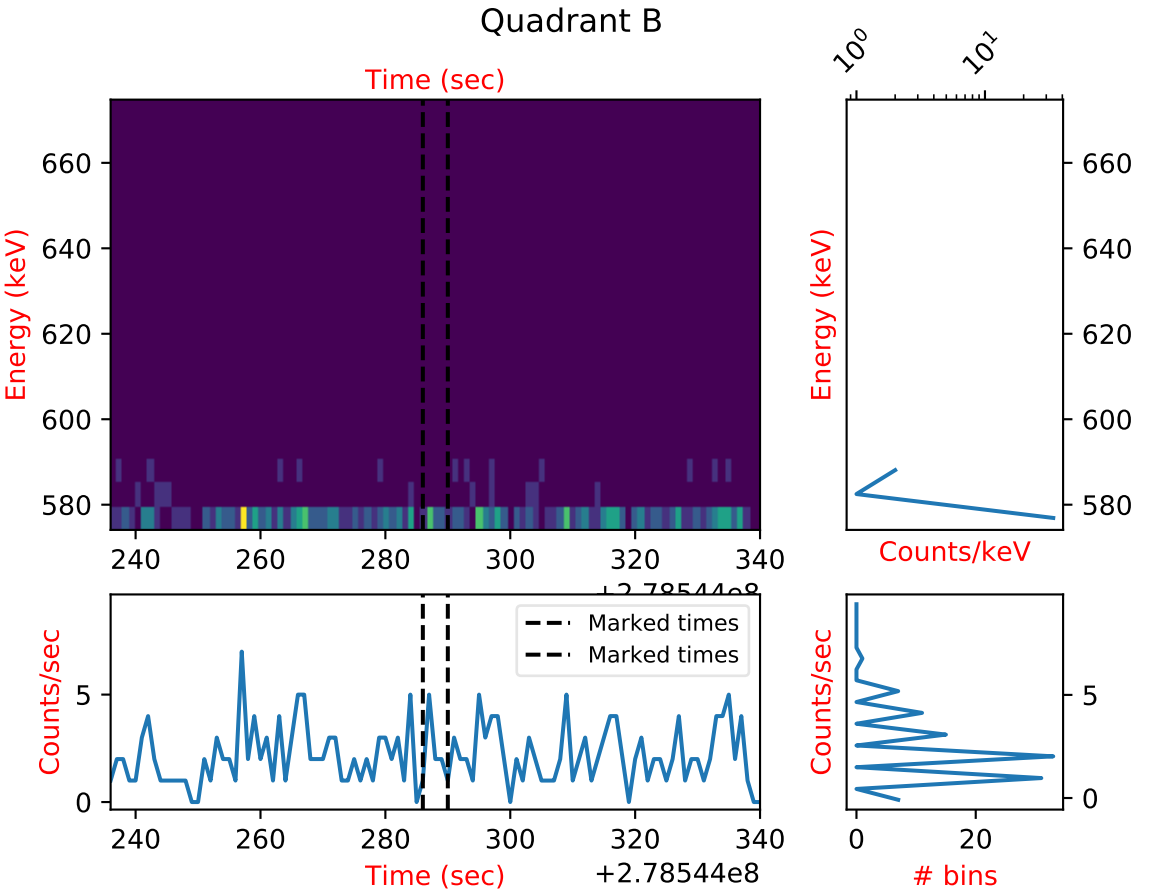

Quadrant A
Time (sec)
Energy (keV)
640
620
600
580
560
240
260
280
300
320
340
+2.78544e8
Strength/keV
−5
0
5
Strength/sec
20
0
−20
Marked times
Marked times
Time (sec)
+2.78544e8
bins

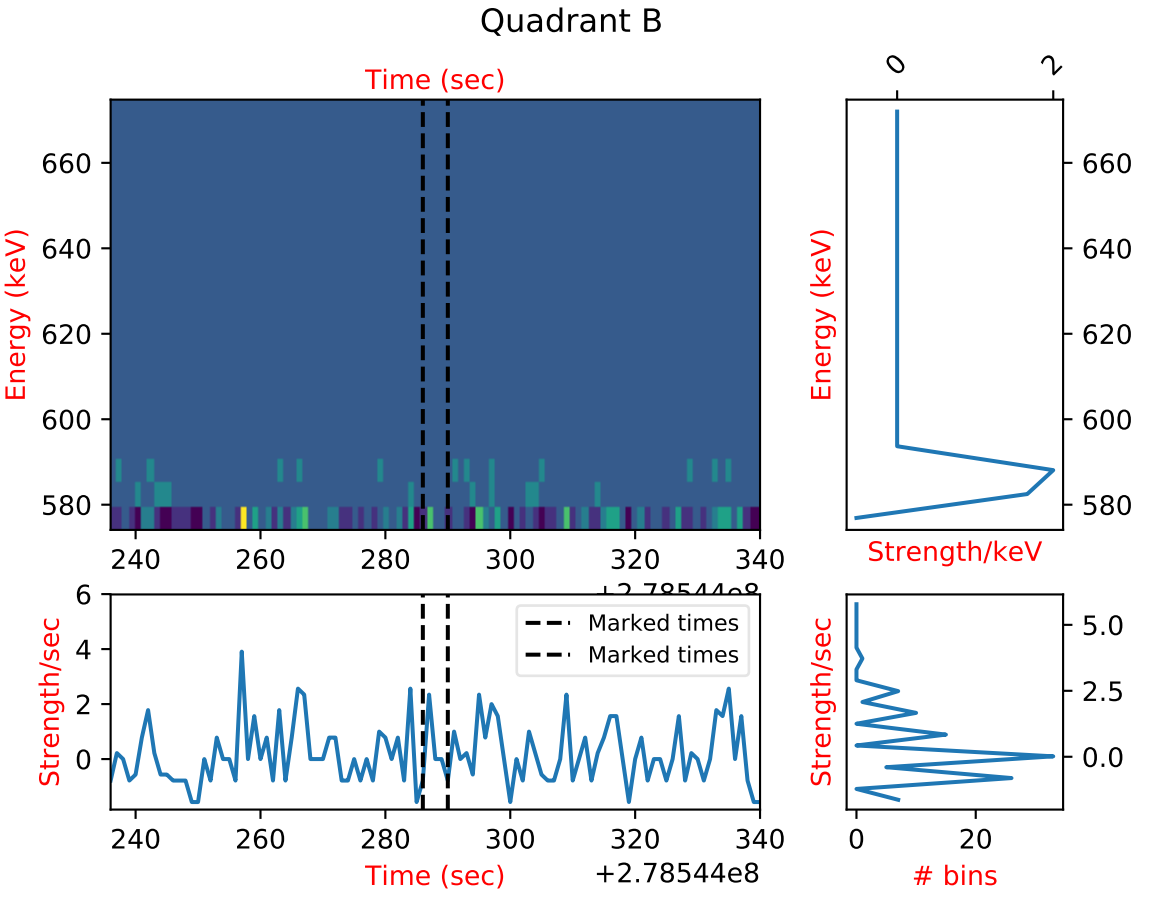

LC: Quad A
Counts/sec
800
600
400
200
0
−200
−400
-56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
240
260
280
300
320
340
Significance
20
0
−20
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
240
260
280
300
320
340
Time (sec)
+2.78544e8

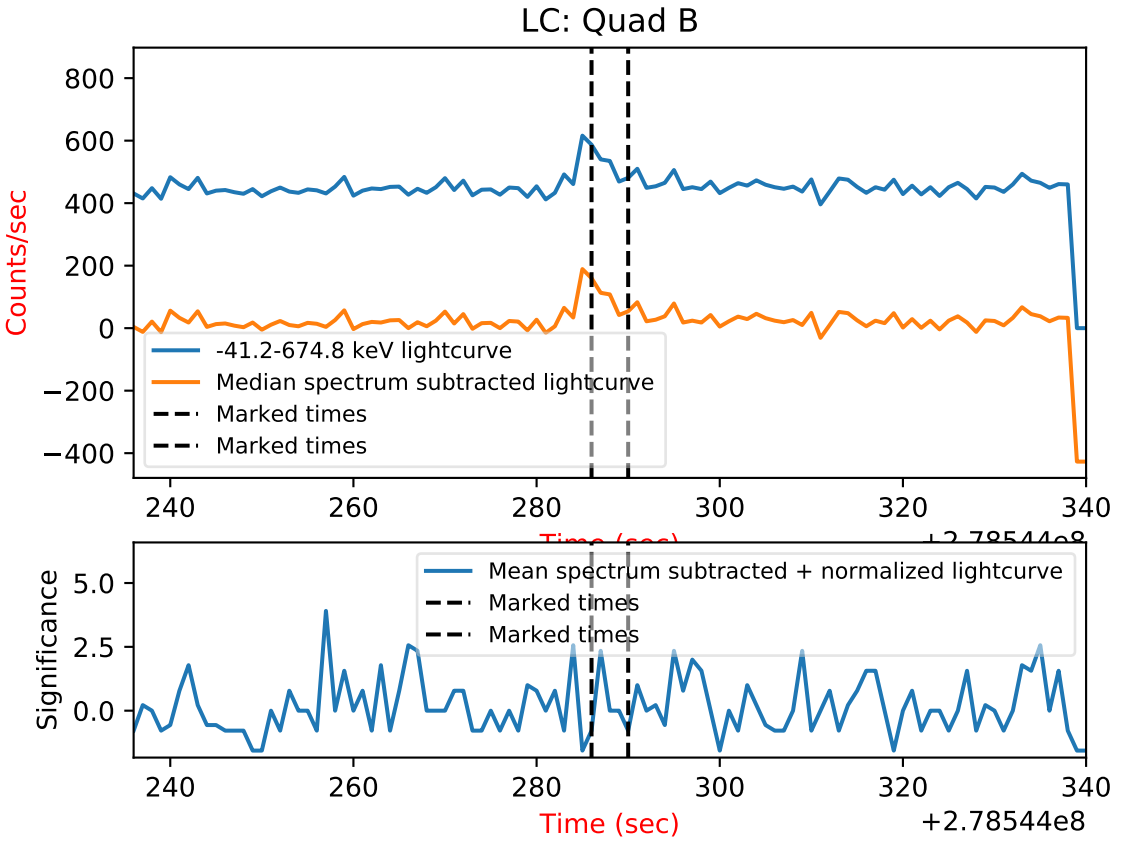

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
240
260
280
300
320
340
+2.78544e8
10^1
10^3
Counts/keV
Counts/sec
750
500
250
0
Marked times
Marked times
Time (sec)
+2.78544e8
bins
50

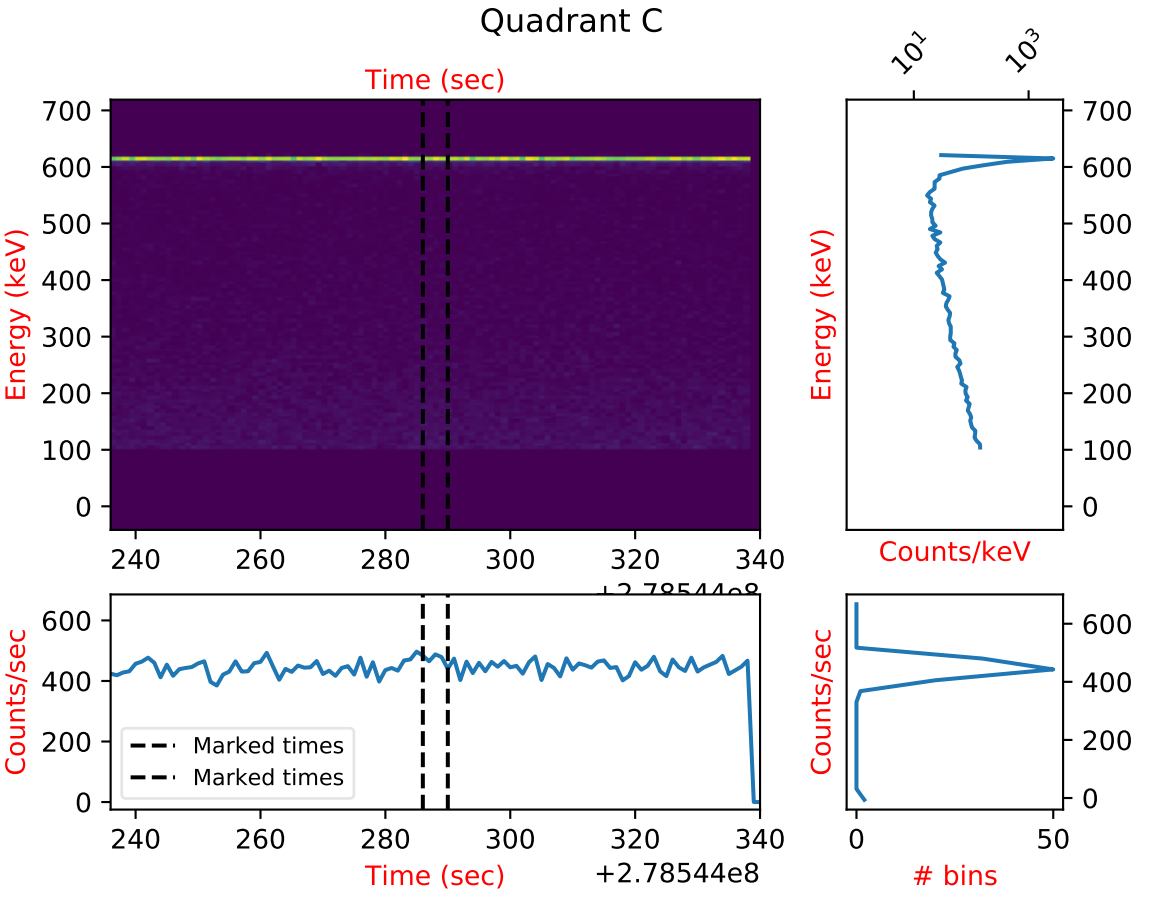

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
240
260
280
300
320
340
+2.78544e8
−50
0
Excess counts/keV
Excess counts/sec
250
0
−250
Marked times
Marked times
Time (sec)
bins
50

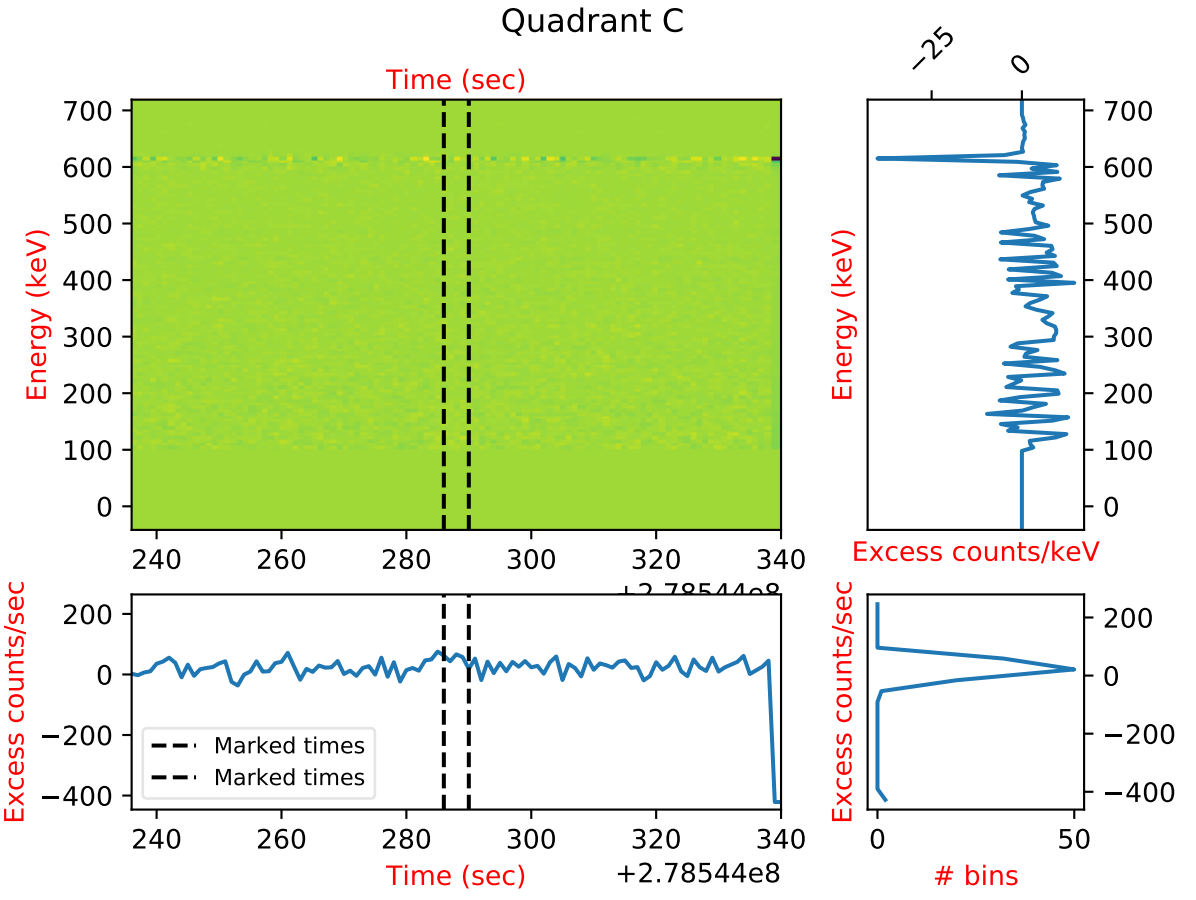

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
240
260
280
300
320
340
+2.78544e8
Strength/keV
0
10
Strength/sec
200
100
0
−100
Marked times
Marked times
Time (sec)
+2.78544e8
bins
50

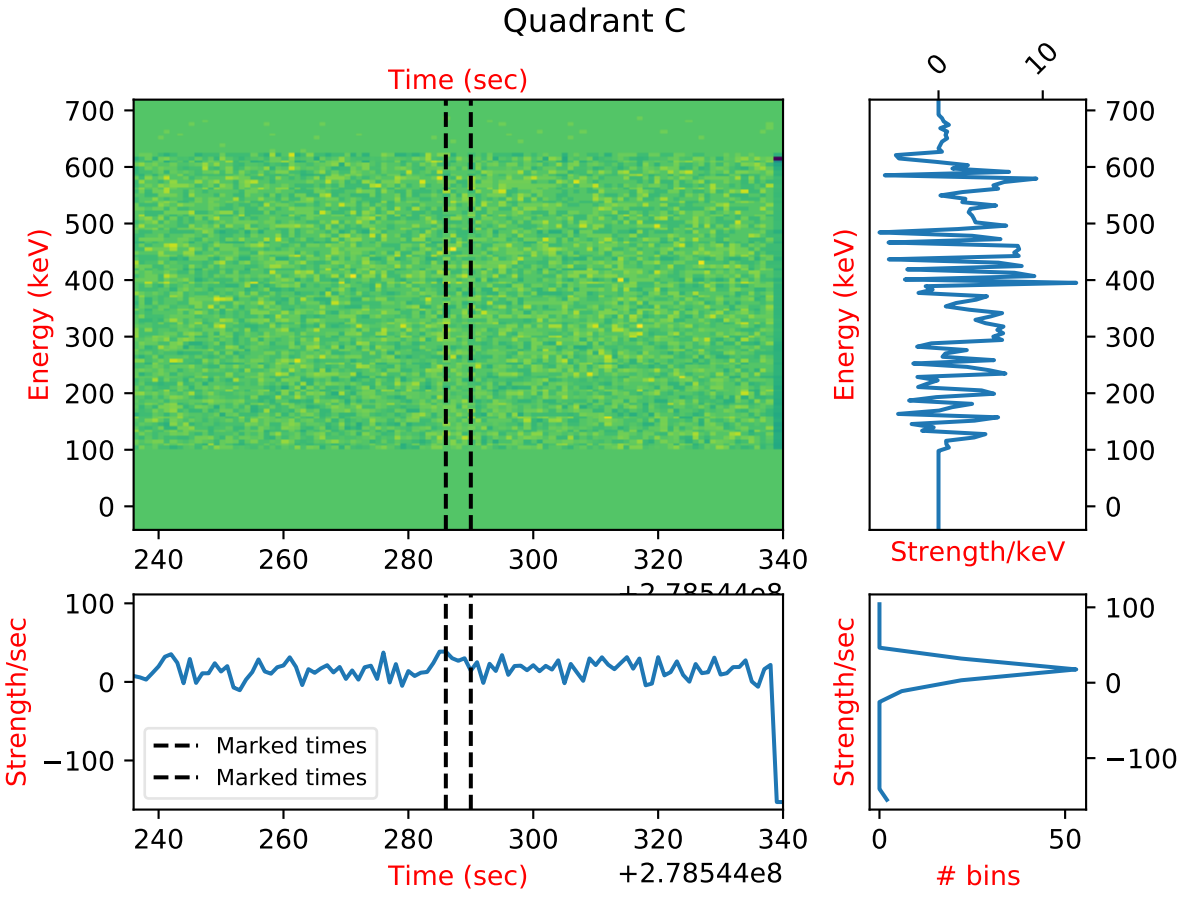

Quadrant B
Time (sec)
Energy (keV)
660
640
620
600
580
240
260
280
300
320
340
+2.78544e8
Counts/keV
10^0
10^1
Counts/sec
5
0
Marked times
Marked times
Time (sec)
+2.78544e8
bins
20

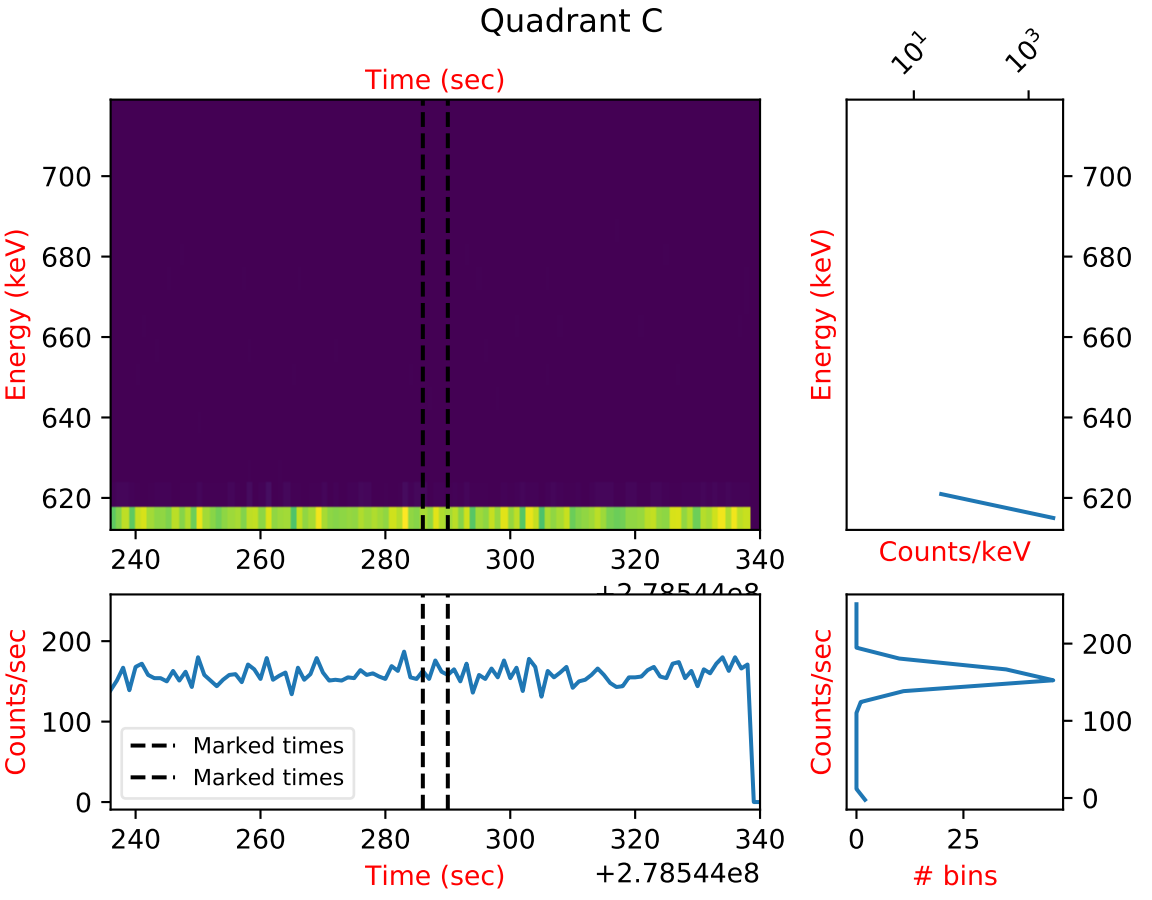

Quadrant B
Time (sec)
Energy (keV)
660
640
620
600
580
240
260
280
300
320
340
+2.78544e8
Strength/keV
0
2
Strength/sec
6
4
2
0
Marked times
Marked times
5.0
2.5
0.0
bins
20

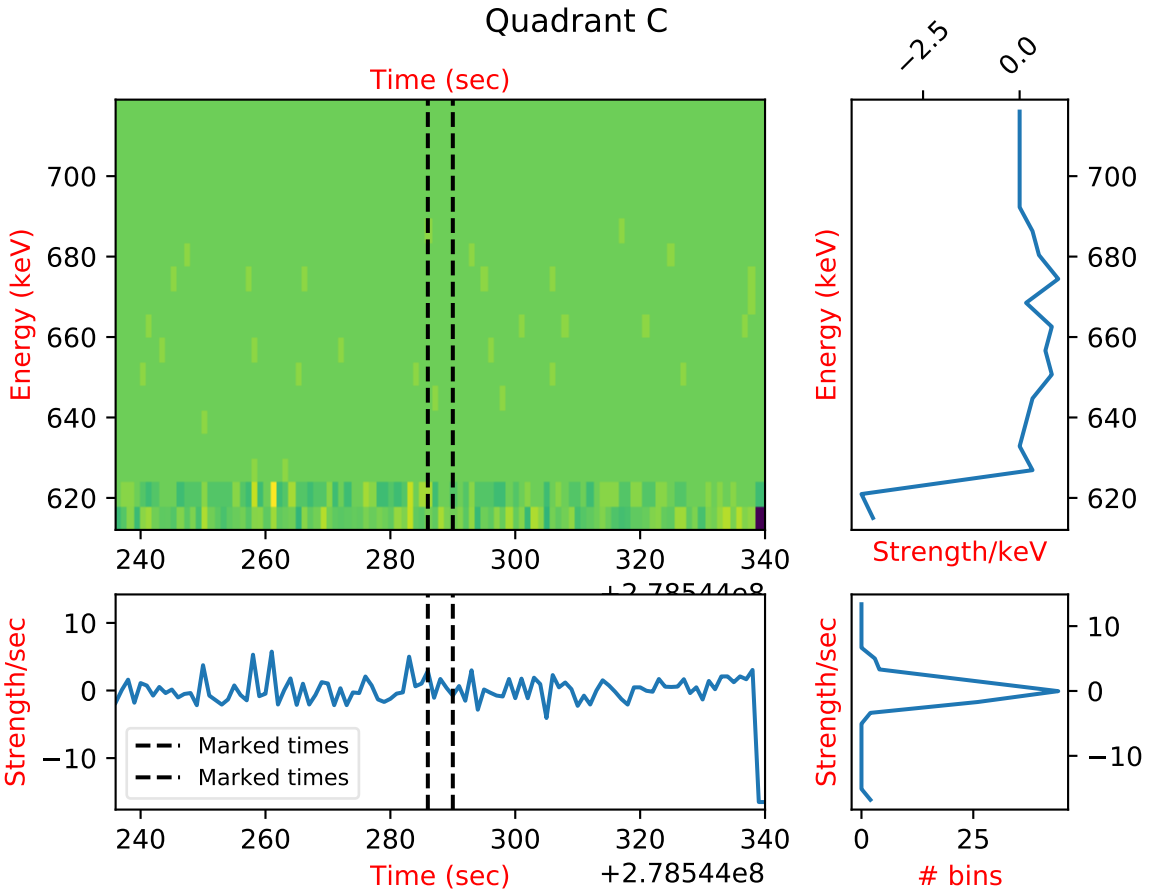

LC: Quad B
Counts/sec
800
600
400
200
0
−200
−400
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
240
260
280
300
320
340
Significance
5.0
2.5
0.0
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+2.78544e8

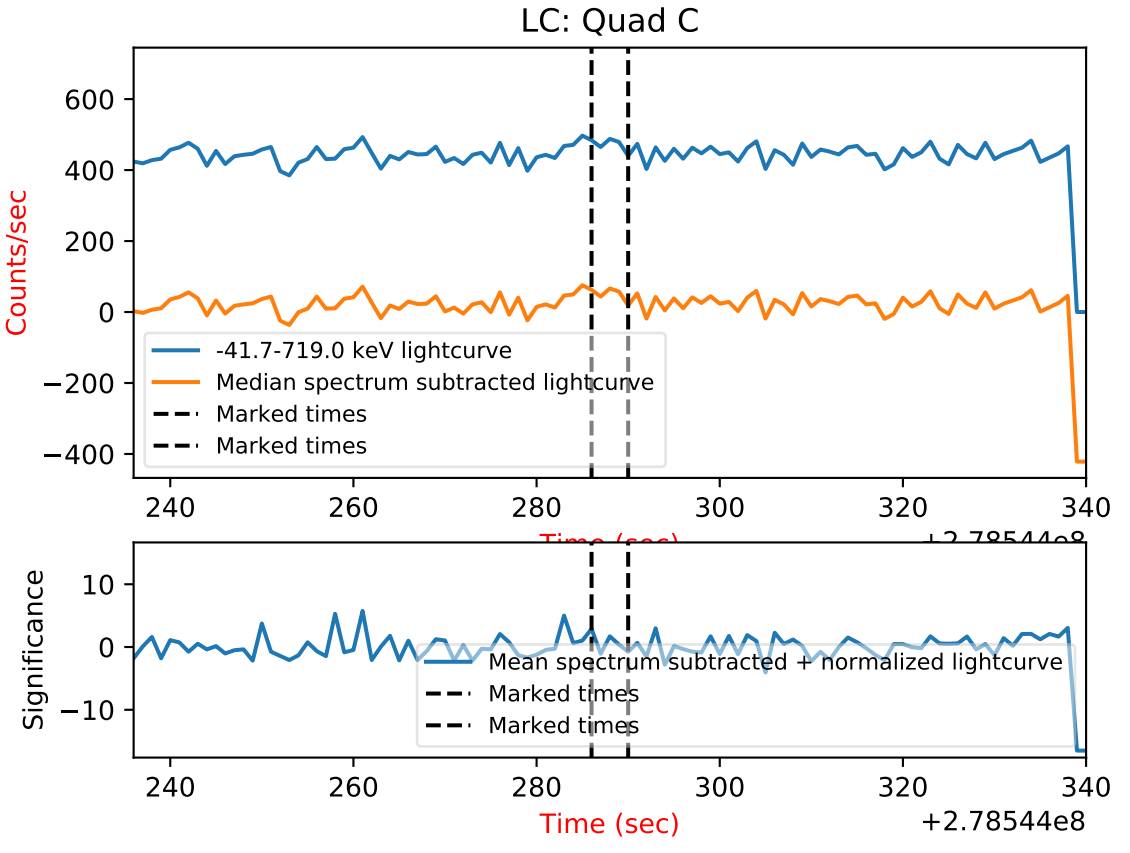

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
240
260
280
300
320
340
+2.78544e8
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+2.78544e8
bins
0
50

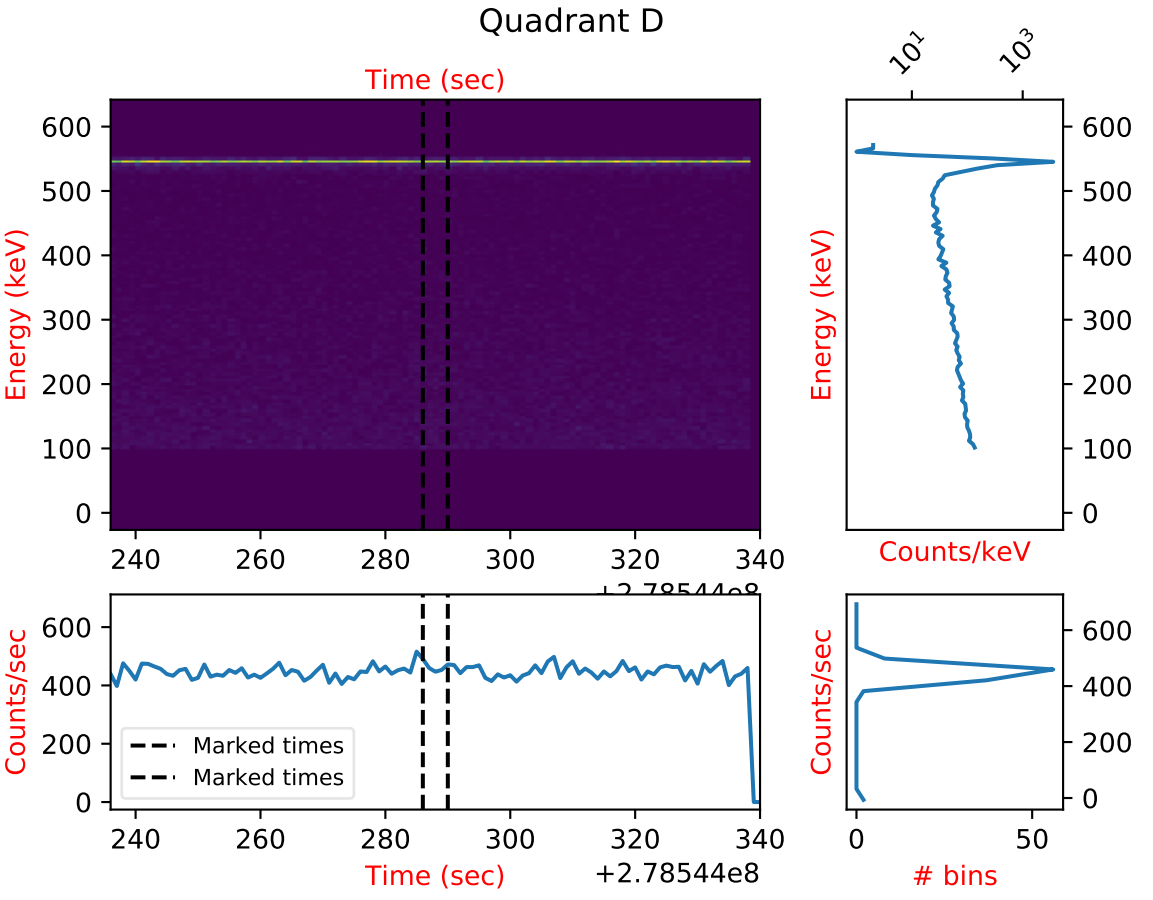

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
240
260
280
300
320
340
+2.78544e8
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
−400
Marked times
Marked times
Time (sec)
+2.78544e8
bins
50

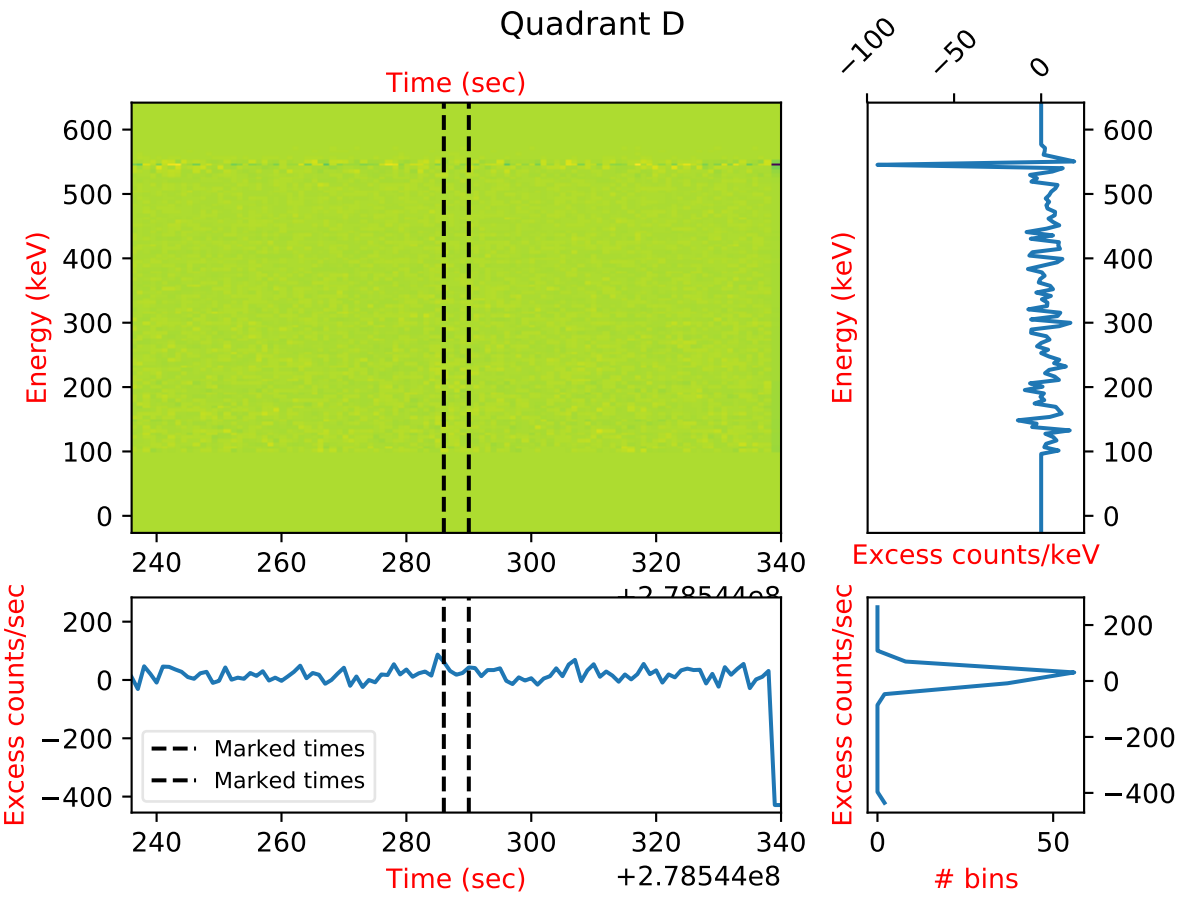

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
240
260
280
300
320
340
+2.78544e8
0
10
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+2.78544e8
bins
50

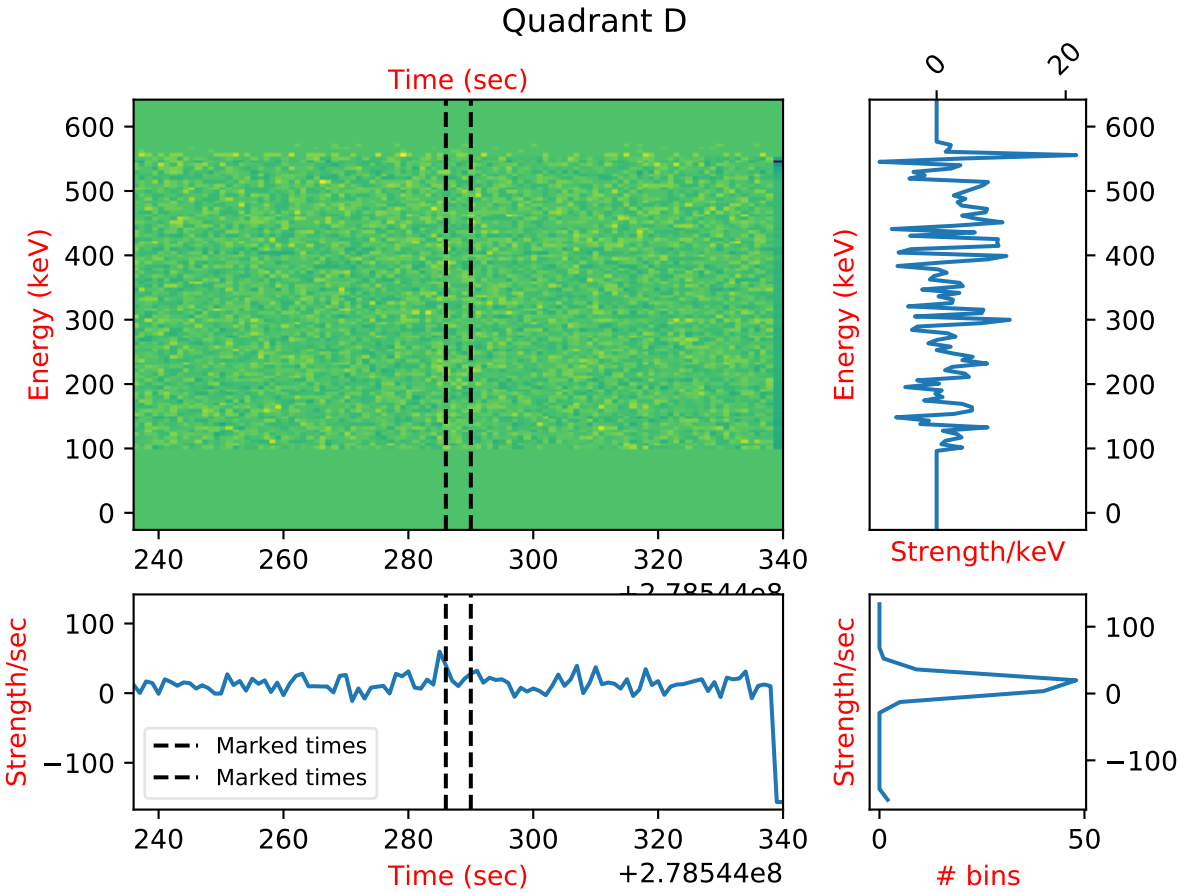

Quadrant C
Time (sec)
Energy (keV)
700
680
660
640
620
240
260
280
300
320
340
+2.78544e8
Counts/keV
10^1
10^3
Counts/sec
200
100
0
Marked times
Marked times
Time (sec)
+2.78544e8
bins
25

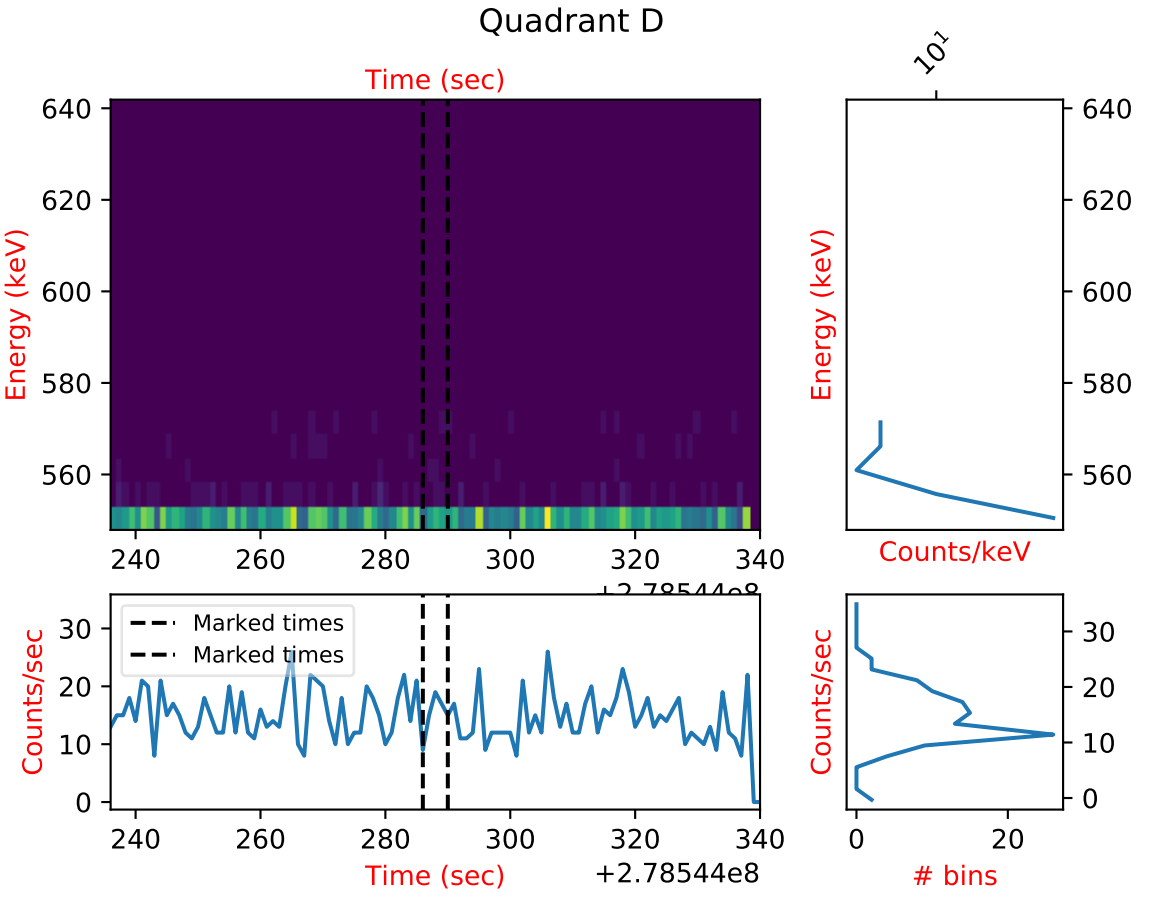

Quadrant C
Time (sec)
Energy (keV)
700
680
660
640
620
240
260
280
300
320
340
−2.5
0.0
Strength/keV
Strength/sec
10
0
−10
Marked times
Marked times
+2.78544e8
0
25
bins

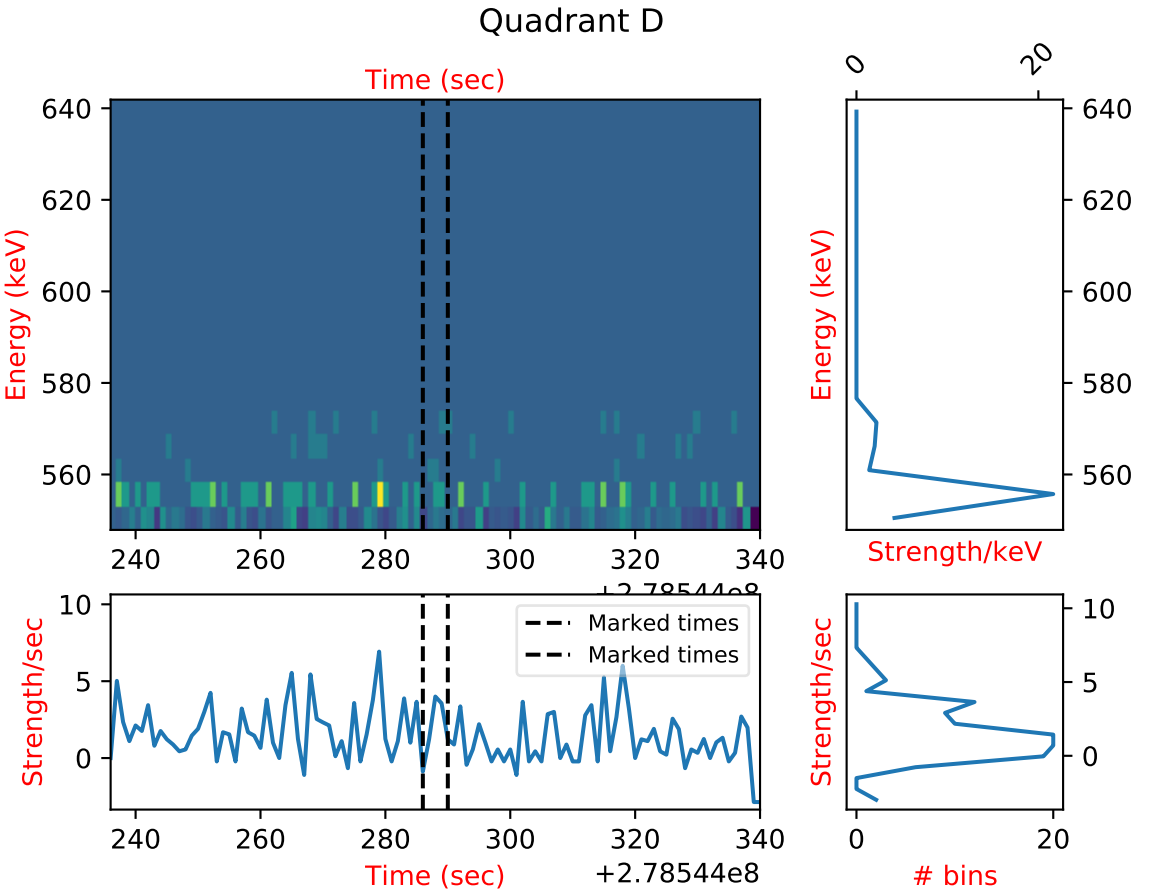

LC: Quad C
Counts/sec
600
400
200
0
−200
−400
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
240
260
280
300
320
340
Significance
10
0
−10
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
240
260
280
300
320
340
Time (sec)
+2.78544e8

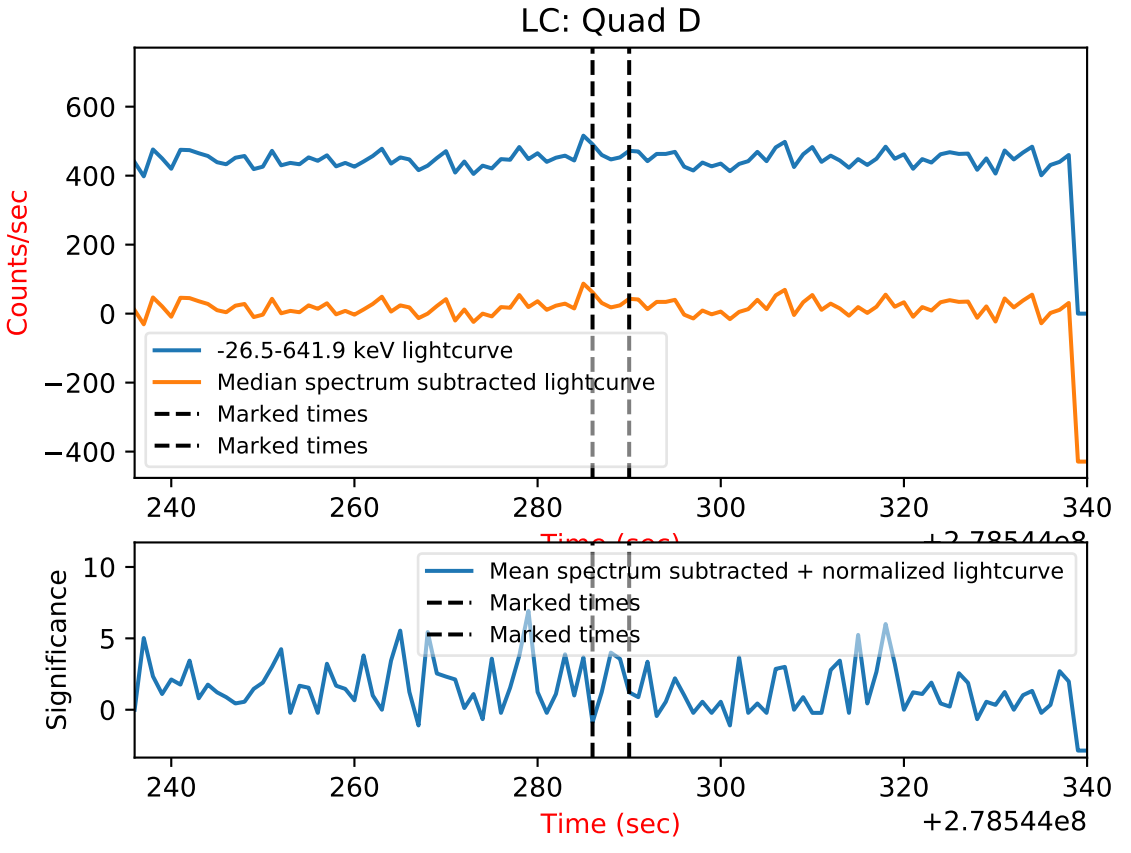

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
240
260
280
300
320
340
+2.78544e8
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+2.78544e8
bins
0
50


Quadrant D
Time (sec)
Energy (keV)
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+2.78544e8
bins

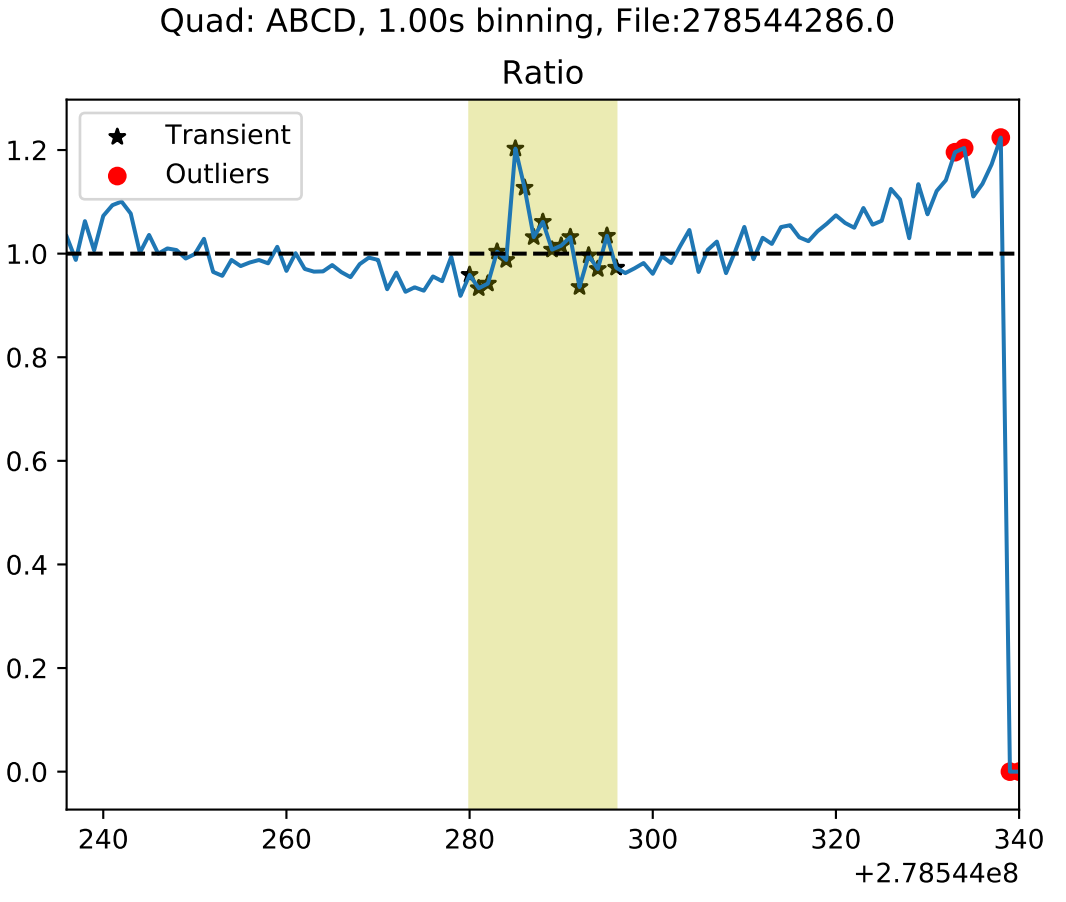

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
240
260
280
300
320
340
+2.78544e8
0
20
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+2.78544e8
bins
50

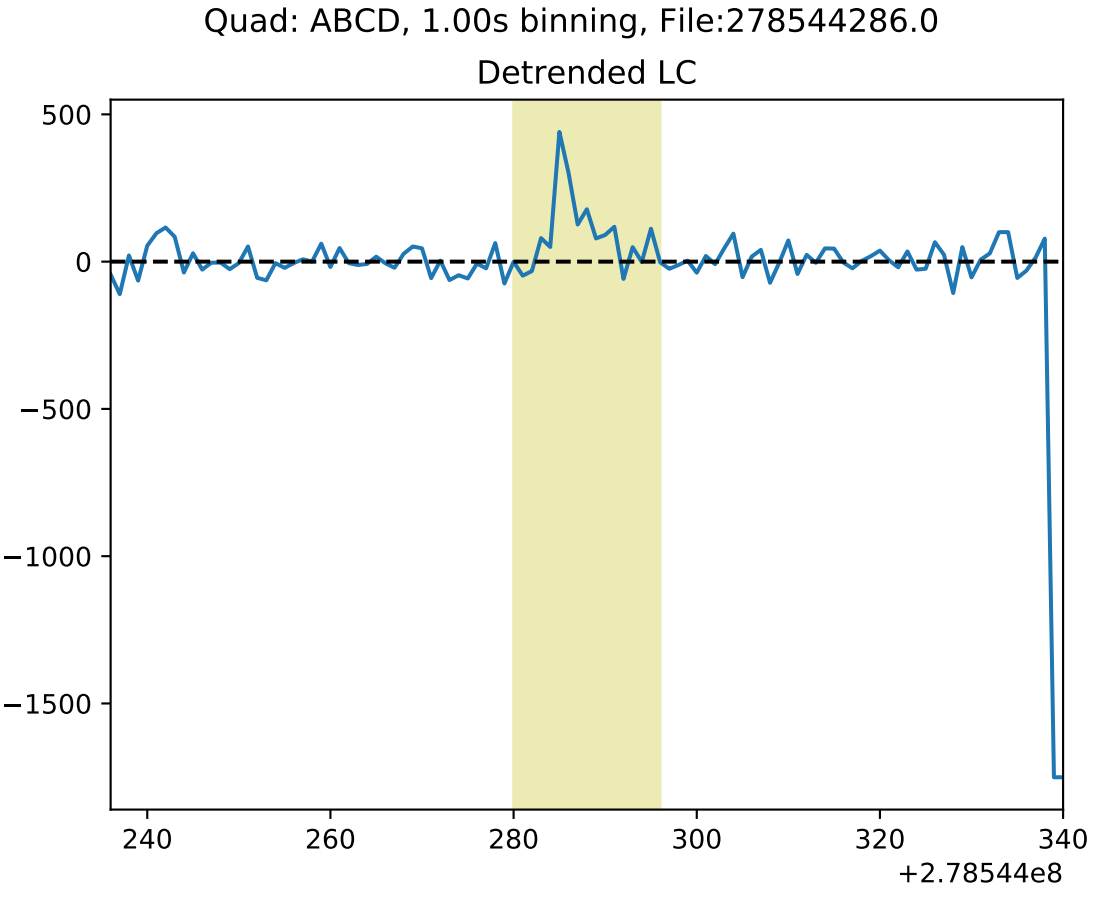

Quadrant D
Time (sec)
Energy (keV)
640
620
600
580
560
240
260
280
300
320
340
+2.78544e8
10^1
Counts/keV
Marked times
Marked times
Counts/sec
30
20
10
0
Time (sec)
+2.78544e8
bins


Quadrant D
Time (sec)
Energy (keV)
640
620
600
580
560
240
260
280
300
320
340
+2.78544e8
Strength/keV
0
20
Strength/sec
10
5
0
Marked times
Marked times
Time (sec)
+2.78544e8
bins

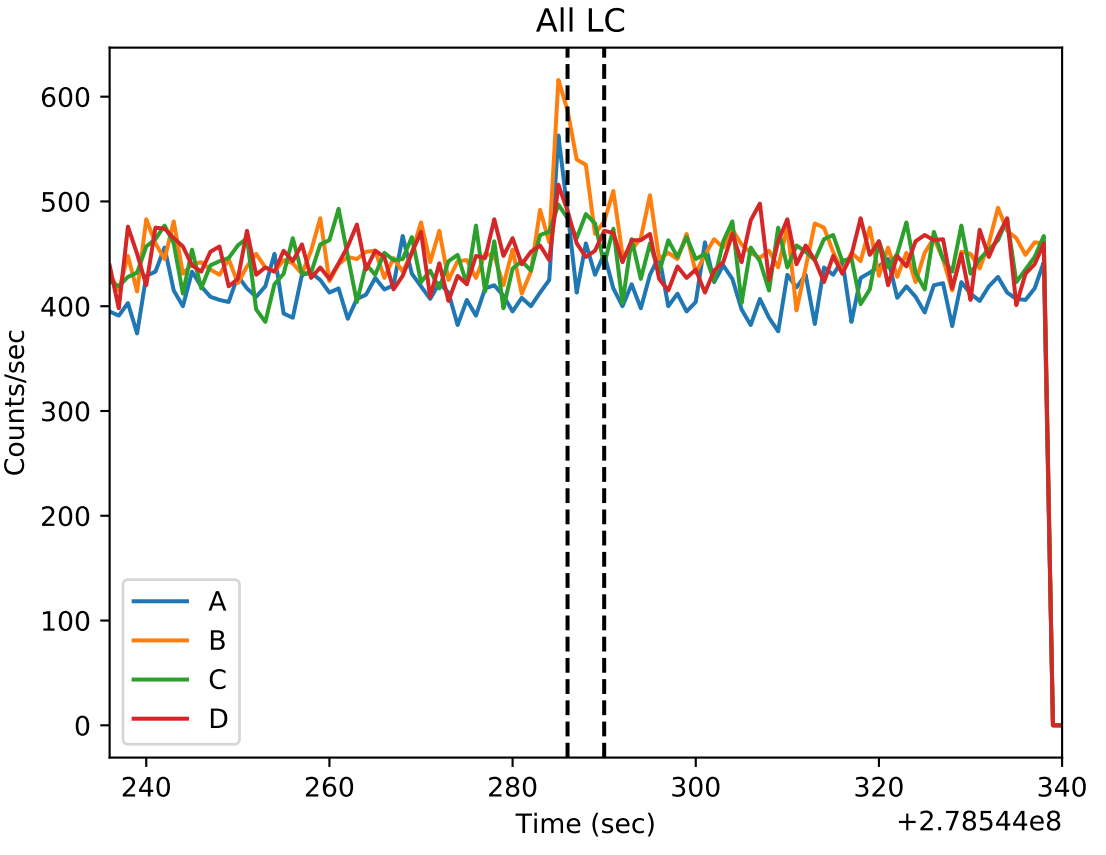

LC: Quad D
Counts/sec
600
400
200
0
−200
−400
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
240
260
280
300
320
340
Significance
10
5
0
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+2.78544e8

Quad: ABCD, 1.00s binning, File:278544286.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
2000
1500
1000
500
0
240
260
280
300
320
340
+2.78544e8


Quad: ABCD, 1.00s binning, File:278544286.0
Ratio
Transient
Outliers
1.2
1.0
0.8
0.6
0.4
0.2
0.0
240
260
280
300
320
340
+2.78544e8


Quad: ABCD, 1.00s binning, File:278544286.0
Detrended LC
500
0
−500
−1000
−1500
240
260
280
300
320
340
+2.78544e8

Quad: ABCD, 1.00s binning, File:278544286.0
T90 measurement
1.0
0.5
0.0
−0.5
−1.0
240
260
280
300
320
340
+2.78544e8
Without outlier rejection
With outlier rejection
T90 = 19.05


All LC
Counts/sec
Time (sec)
+2.78544e8
A
B
C
D
0
100
200
300
400
500
600
240
260
280
300
320
340