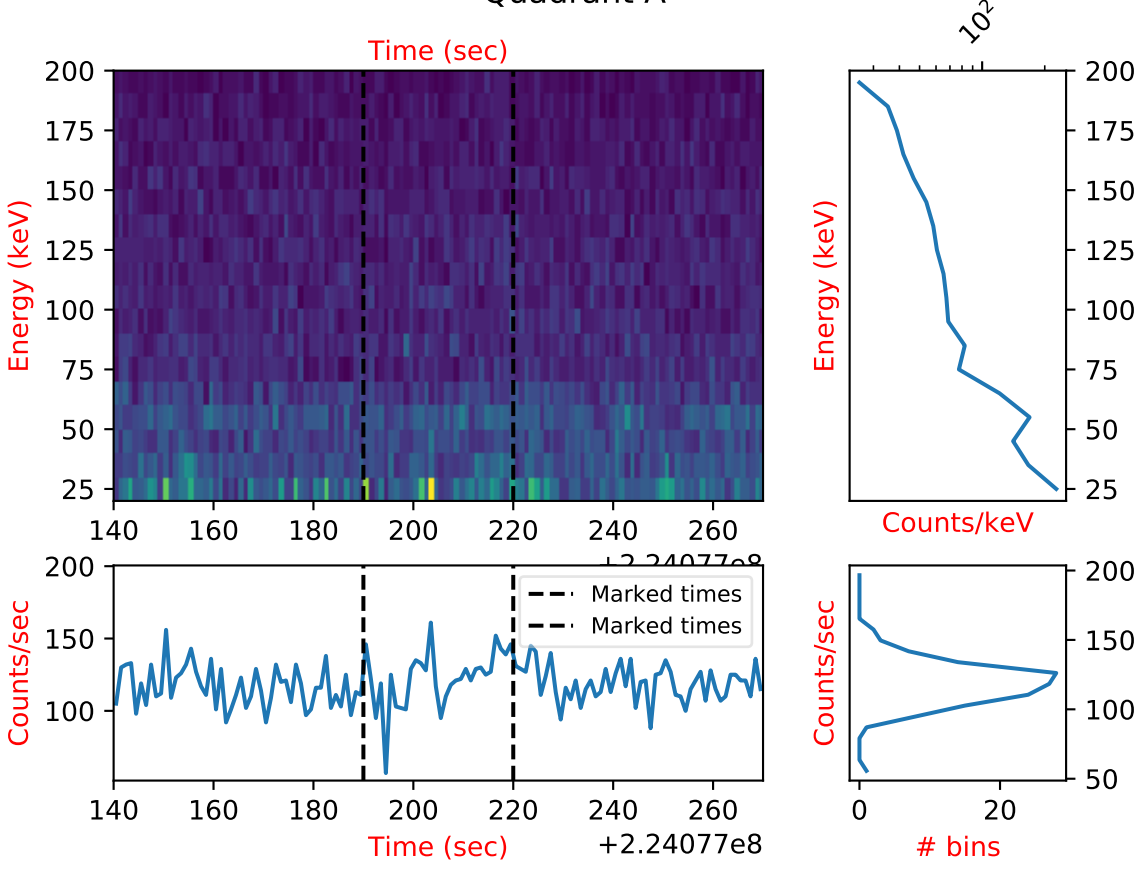
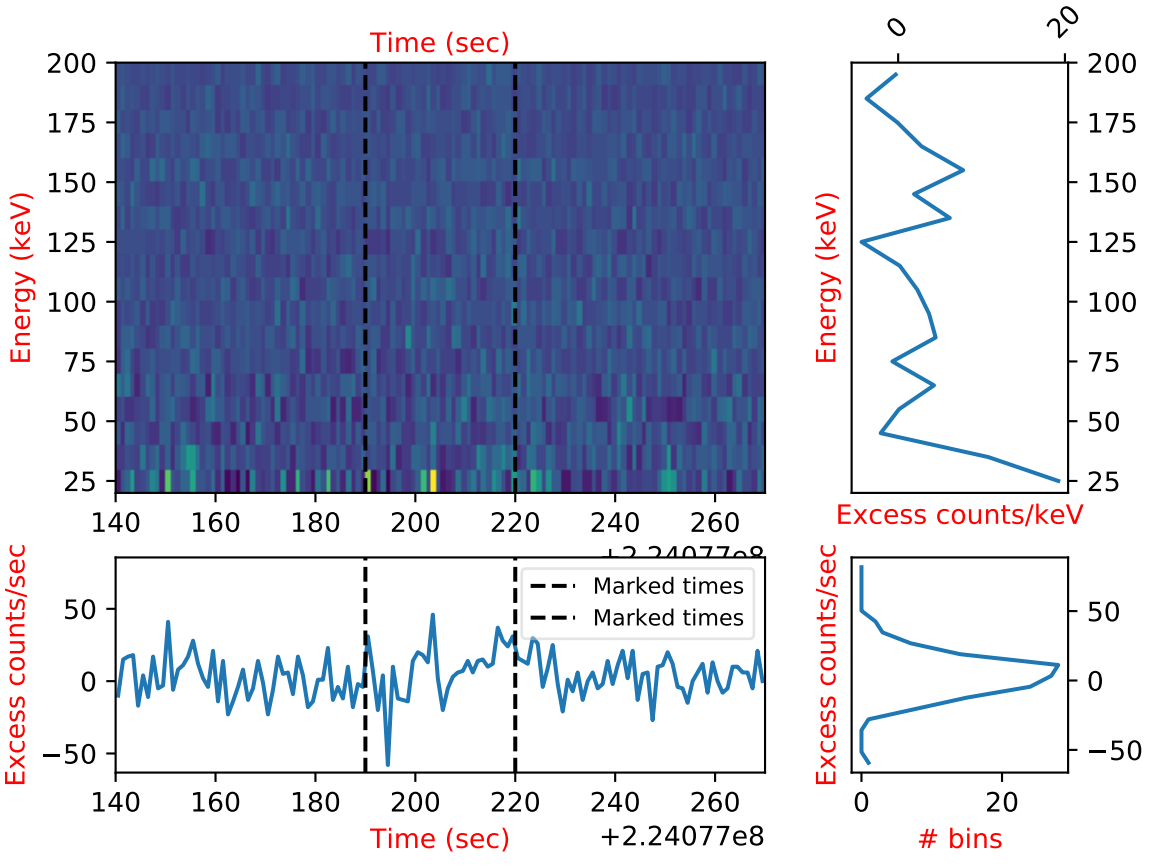
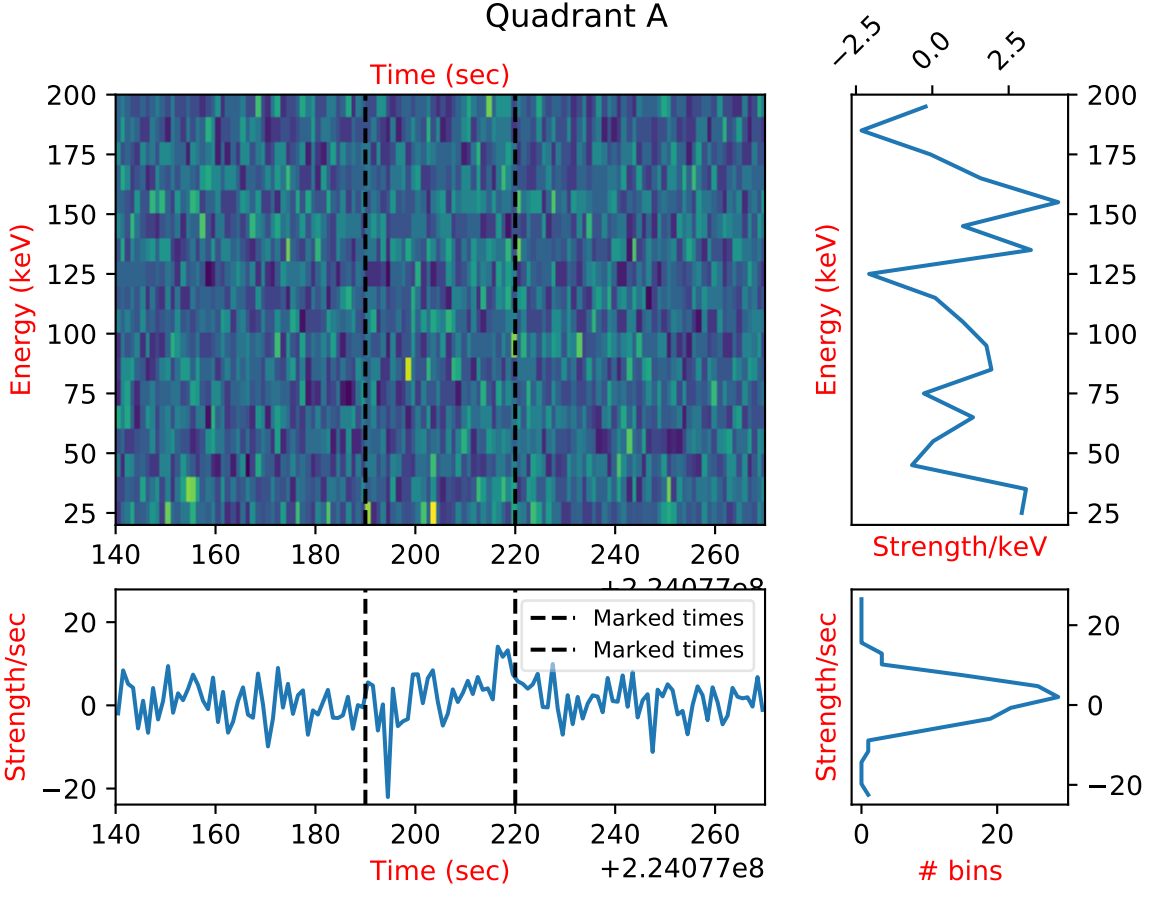
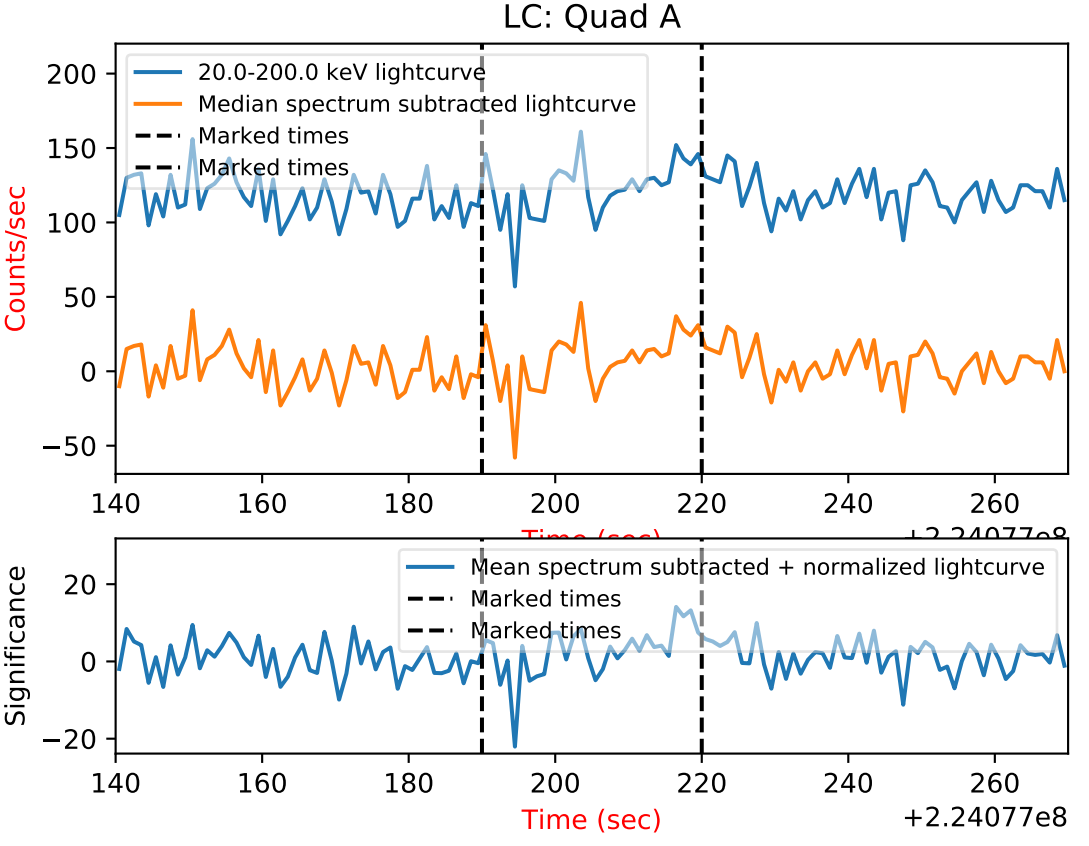
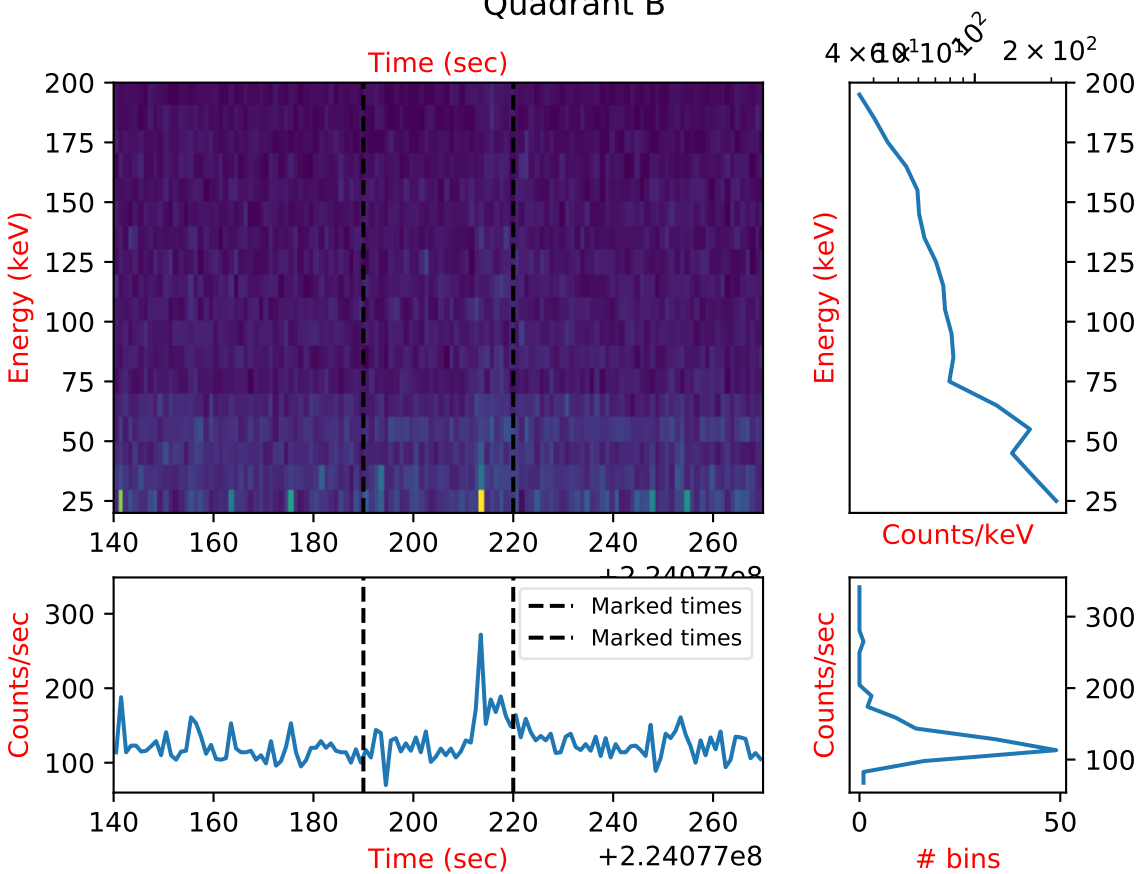
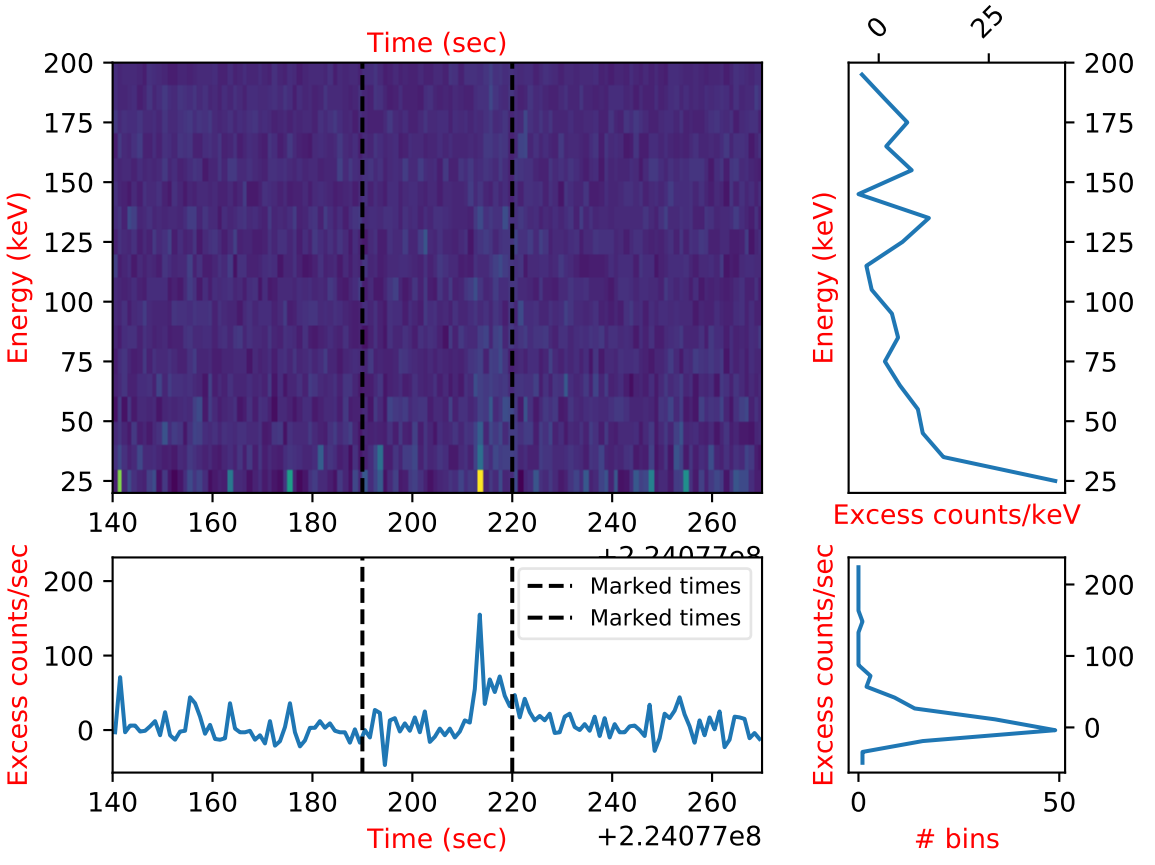

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
140
160
180
200
220
240
260
10^2
Counts/keV
Counts/sec
Marked times
Marked times
+2.24077e8
0
20
bins

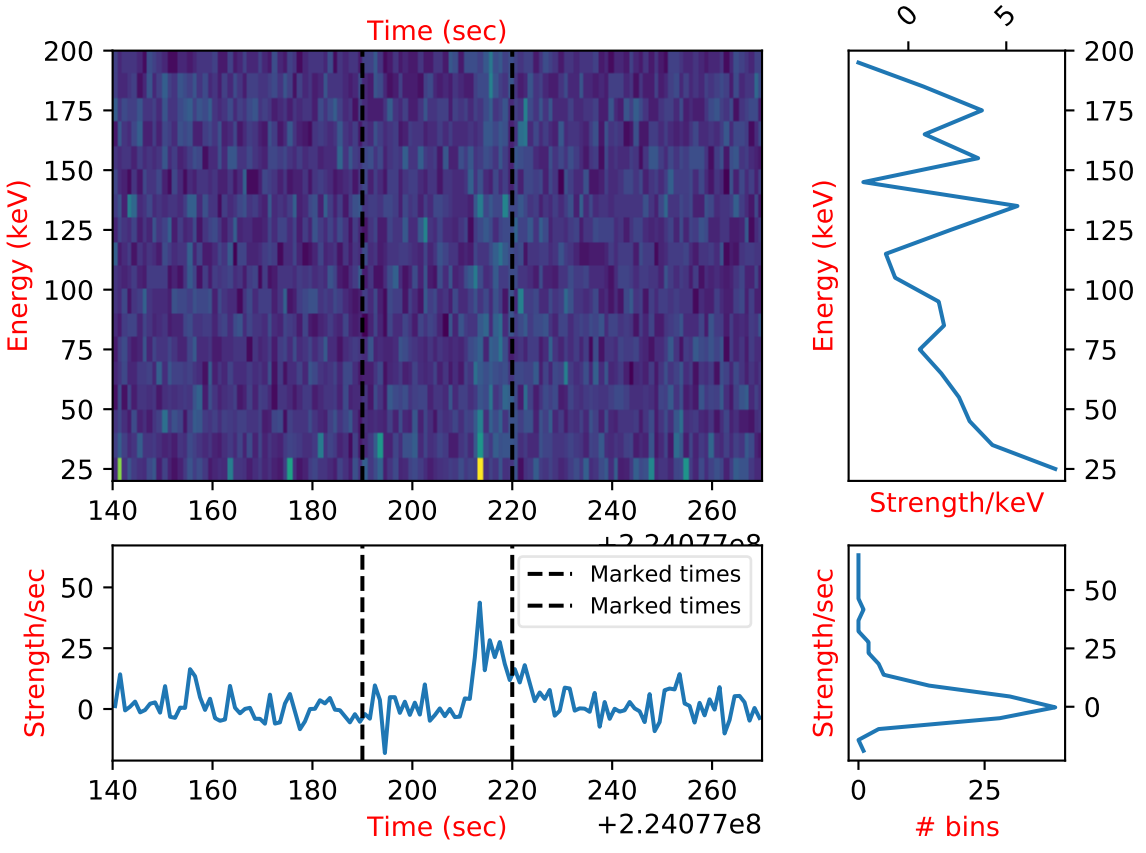

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
140
160
180
200
220
240
260
0
20
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
−50
+2.24077e8
bins

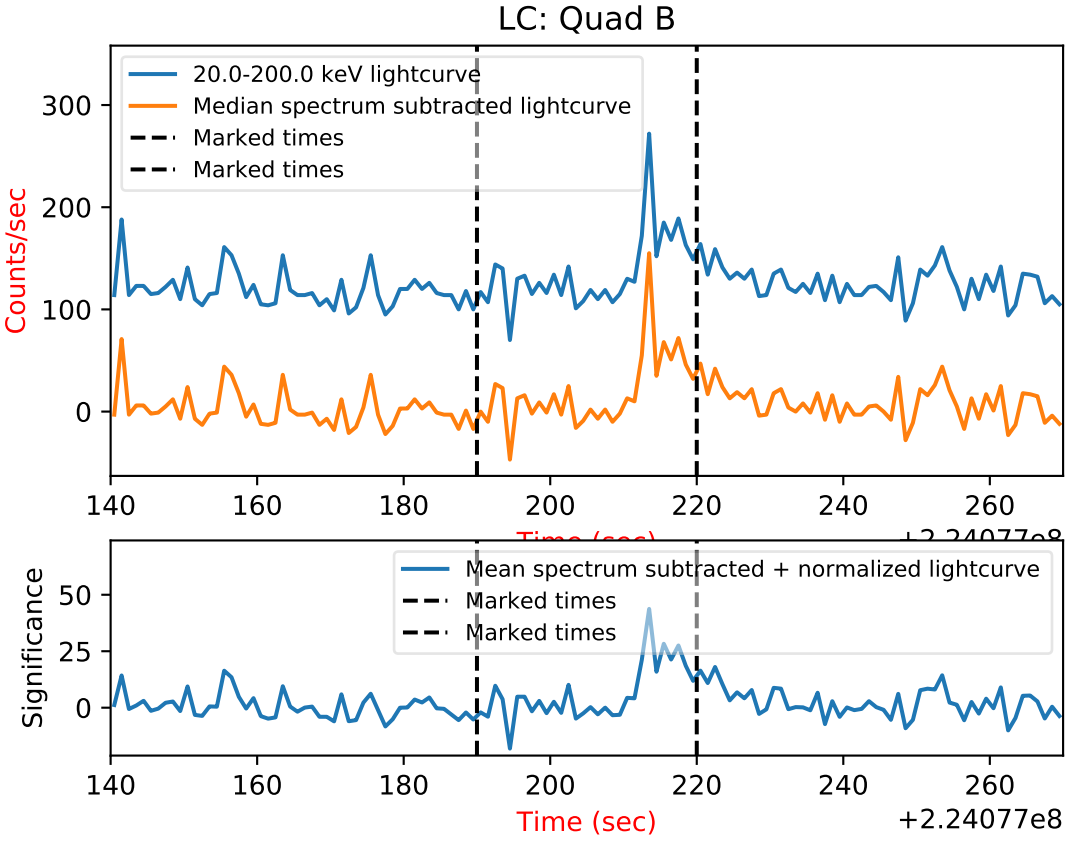

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
140
160
180
200
220
240
260
−2.5
0.0
2.5
Strength/keV
Strength/sec
20
0
−20
Marked times
Marked times
+2.24077e8
bins

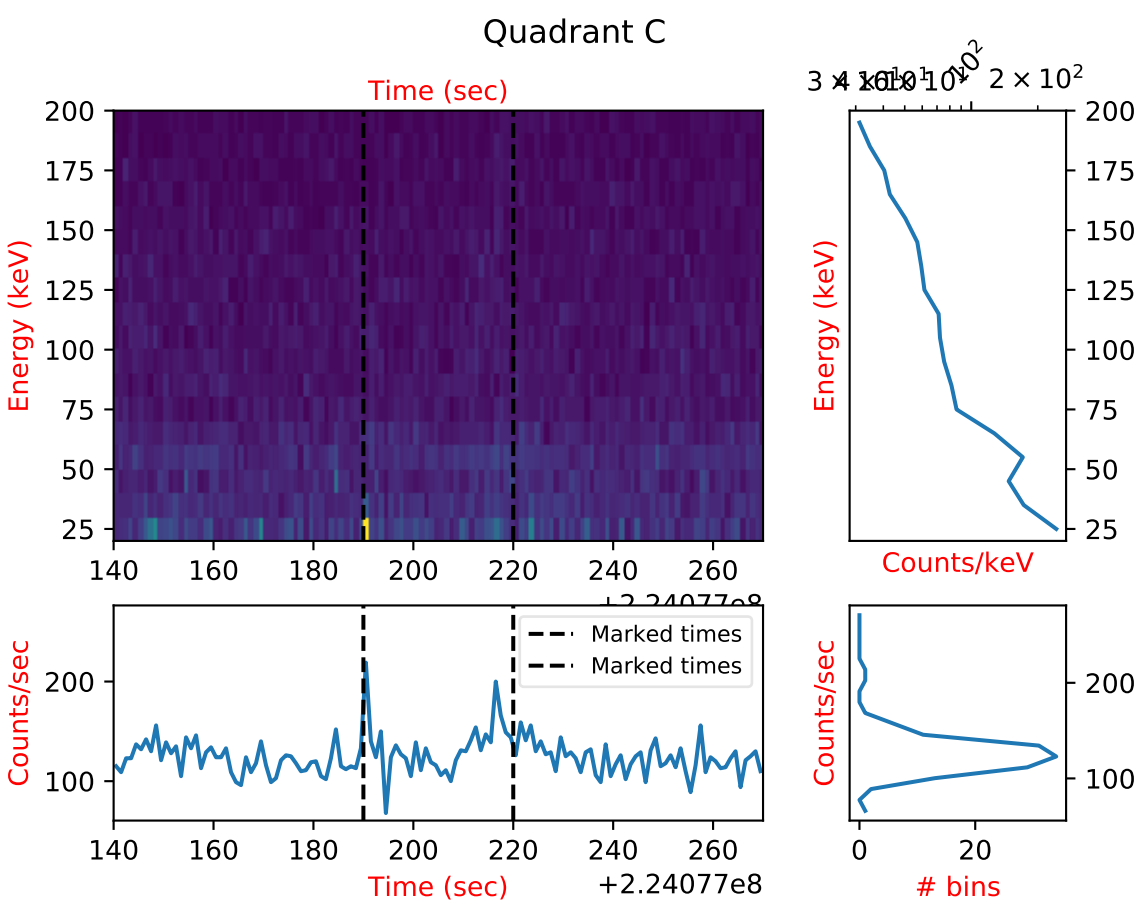

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−50
140
160
180
200
220
240
260
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
−20
Time (sec)
+2.24077e8

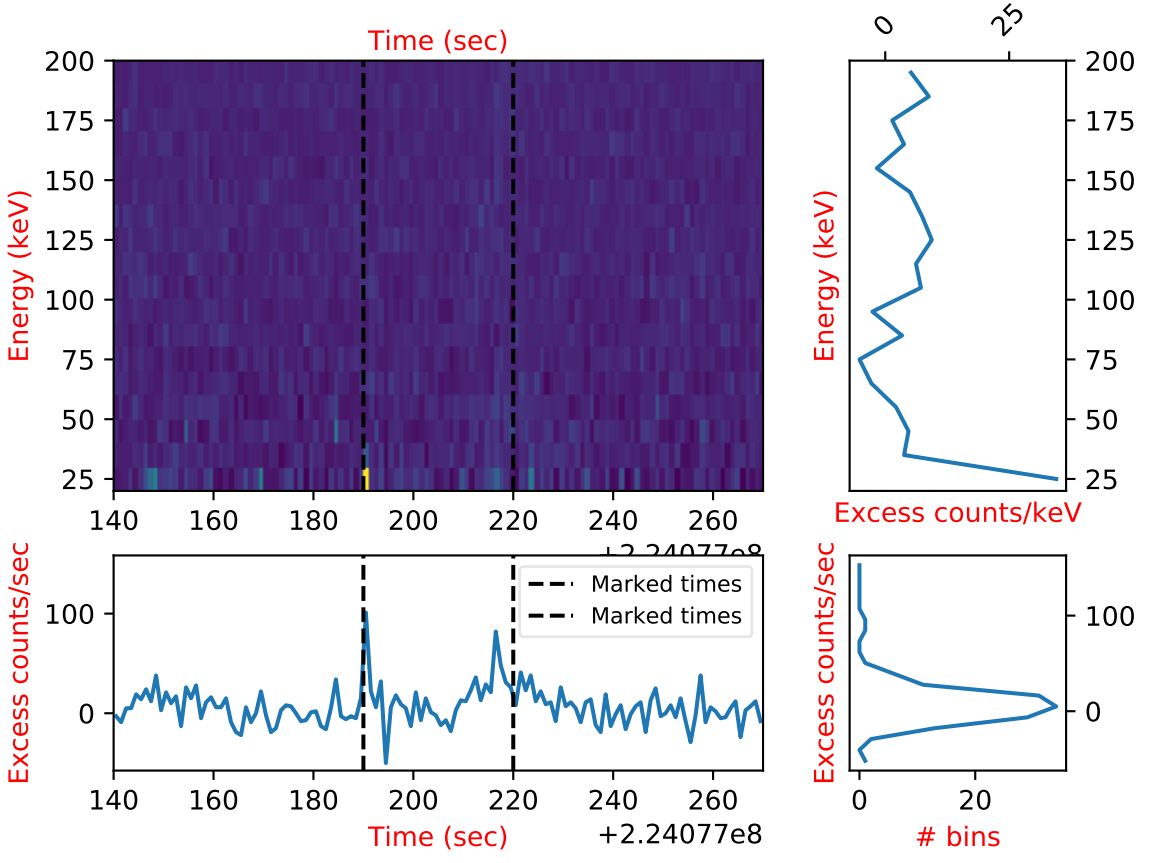

Quadrant B
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
bins
Marked times
Marked times
+2.24077e8

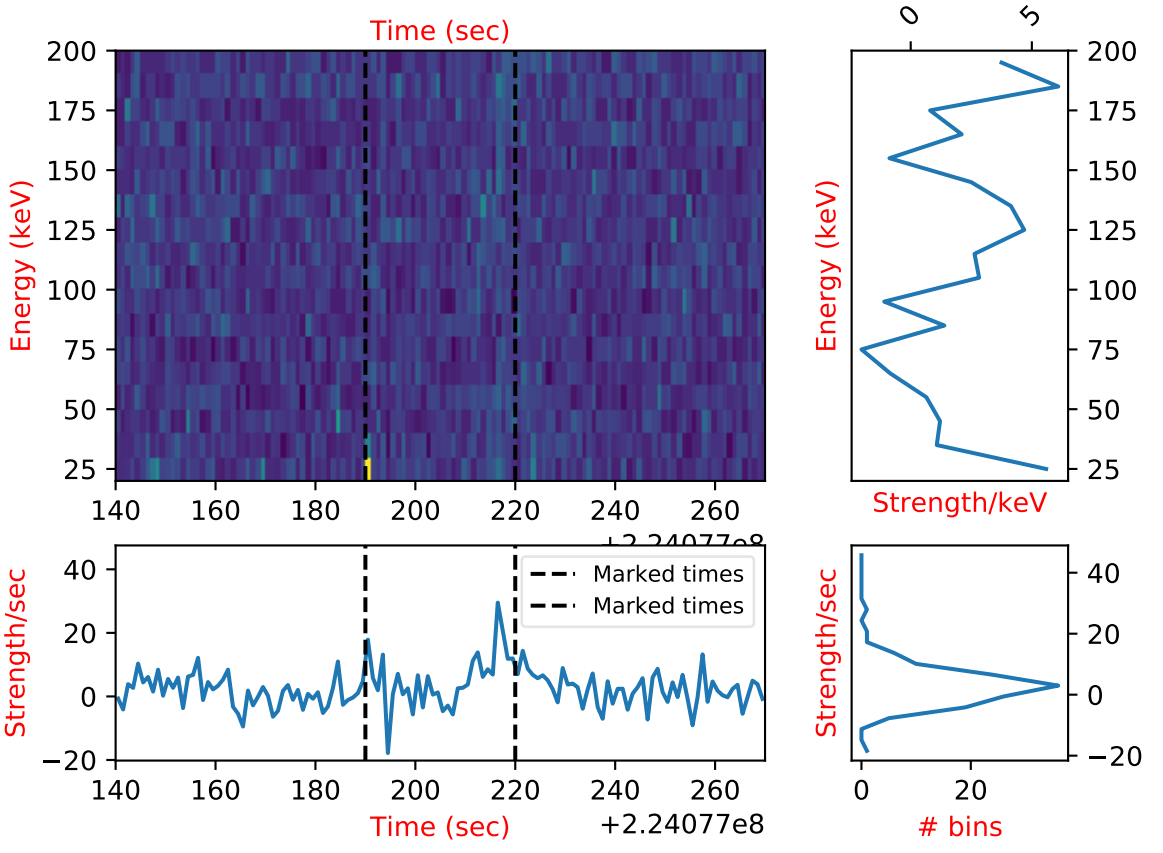

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
140
160
180
200
220
240
260
0
25
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+2.24077e8
bins
50

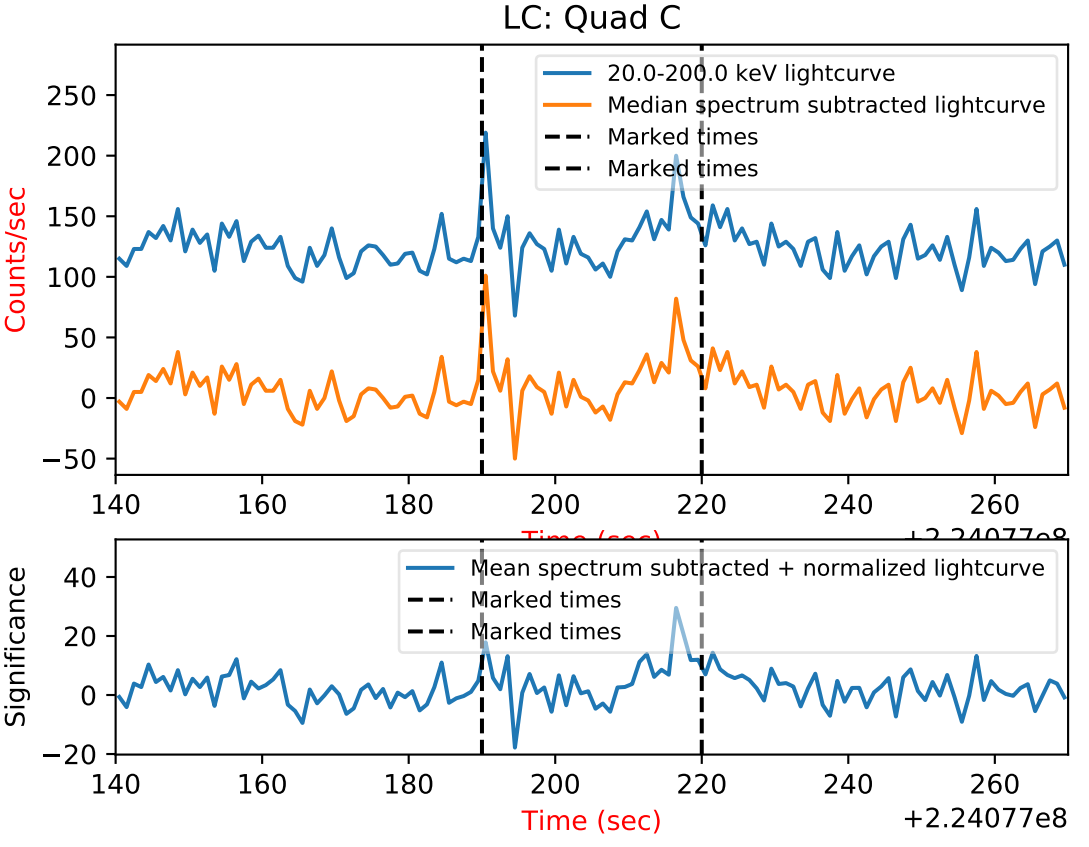

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
140
160
180
200
220
240
260
+2.24077e8
0
5
Strength/keV
Strength/sec
Marked times
Marked times
50
25
0
Time (sec)
+2.24077e8
bins

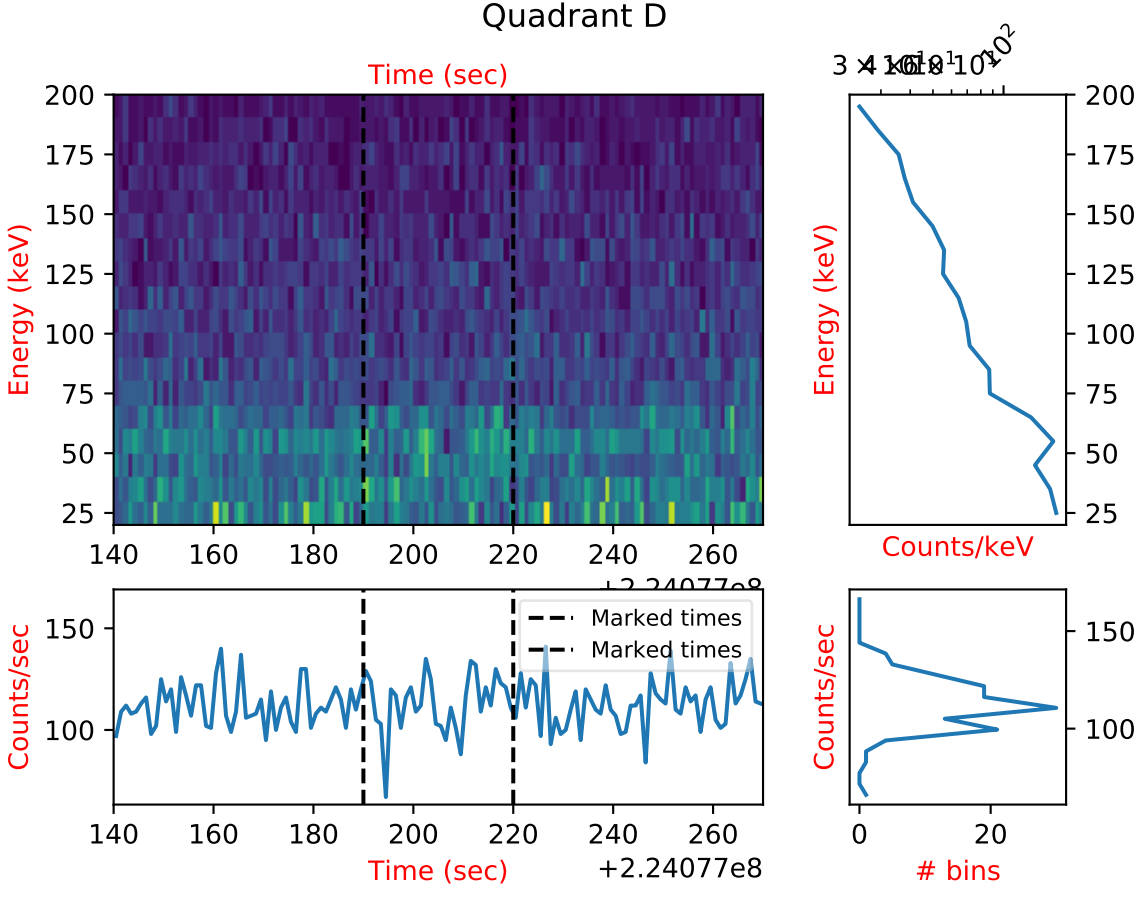

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
200
100
0
140
160
180
200
220
240
260
+2.24077e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
50
25
0
Time (sec)

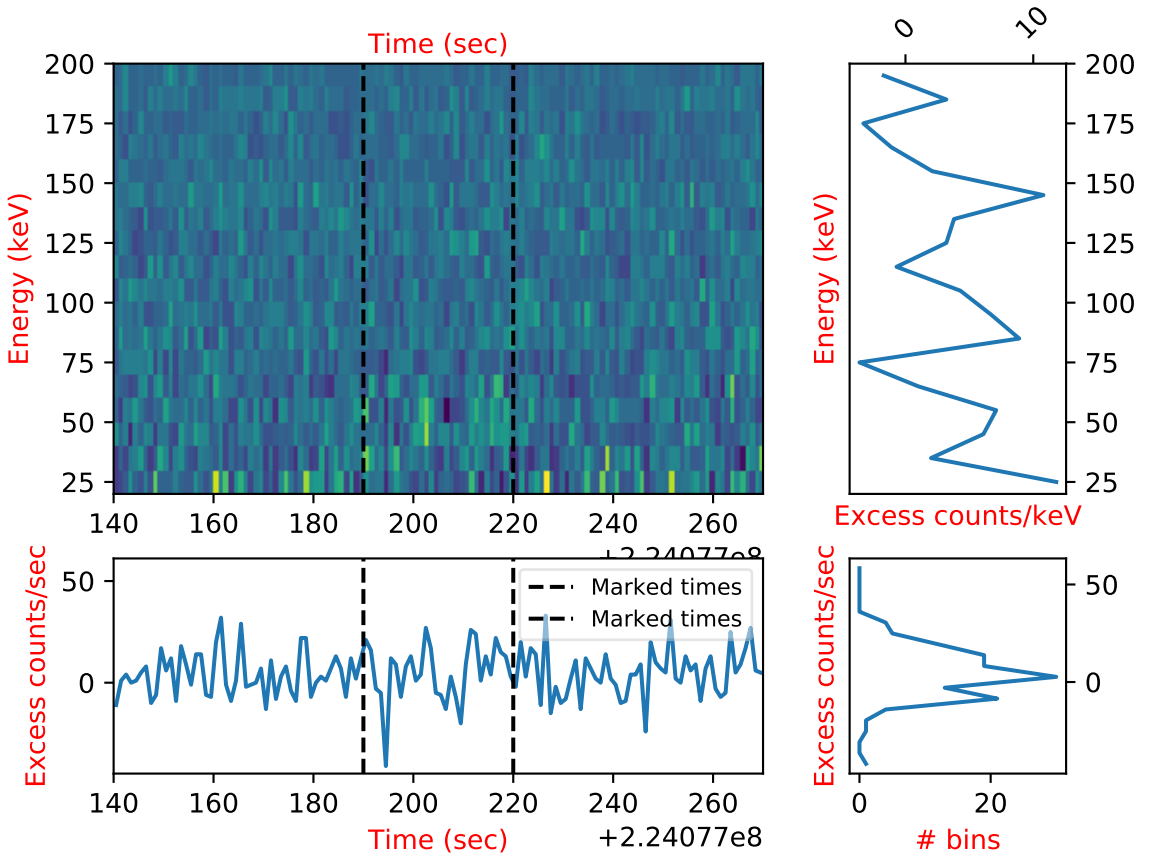

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
140
160
180
200
220
240
260
+2.24077e8
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+2.24077e8
bins
0
20

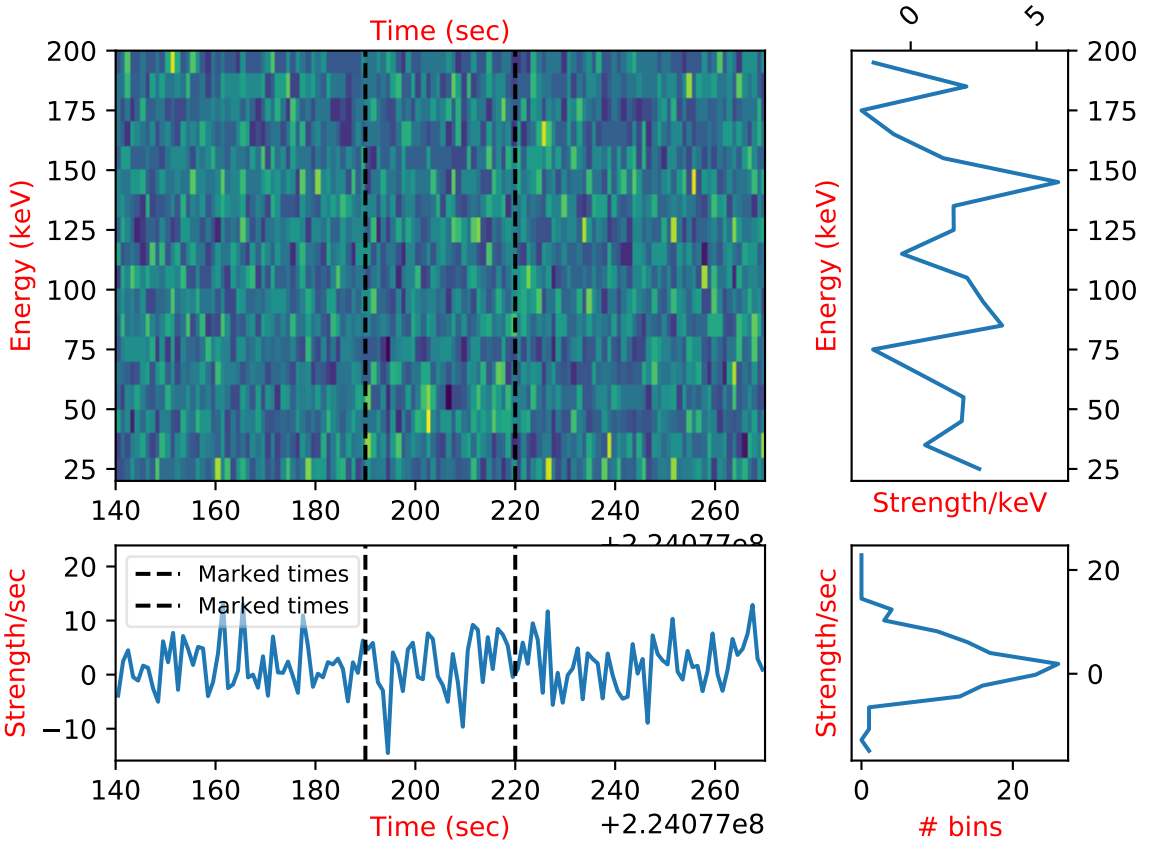

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
140
160
180
200
220
240
260
+2.24077e8
0
25
Excess counts/keV
Excess counts/sec
100
0
Marked times
Marked times
Time (sec)
+2.24077e8
20
bins

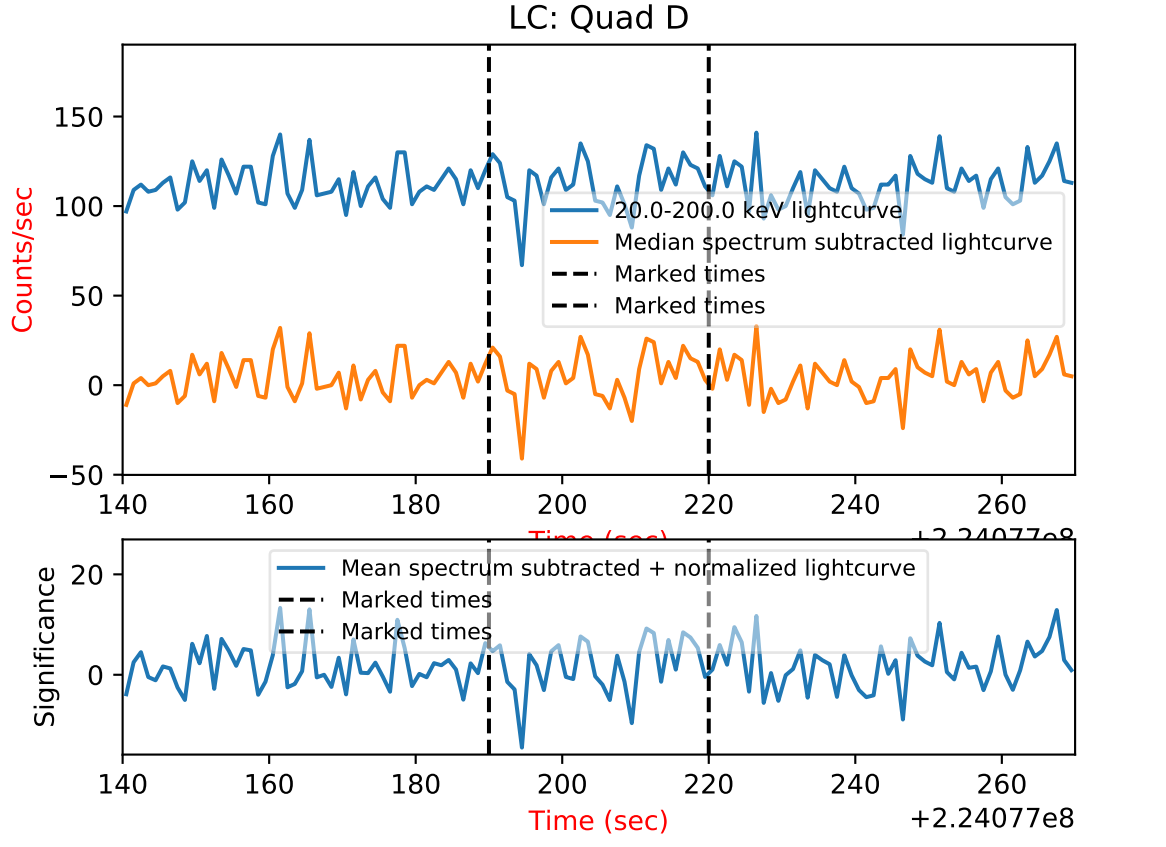

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
140
160
180
200
220
240
260
+2.24077e8
0
5
Strength/keV
Strength/sec
40
20
0
−20
Marked times
Marked times
Time (sec)
+2.24077e8
bins

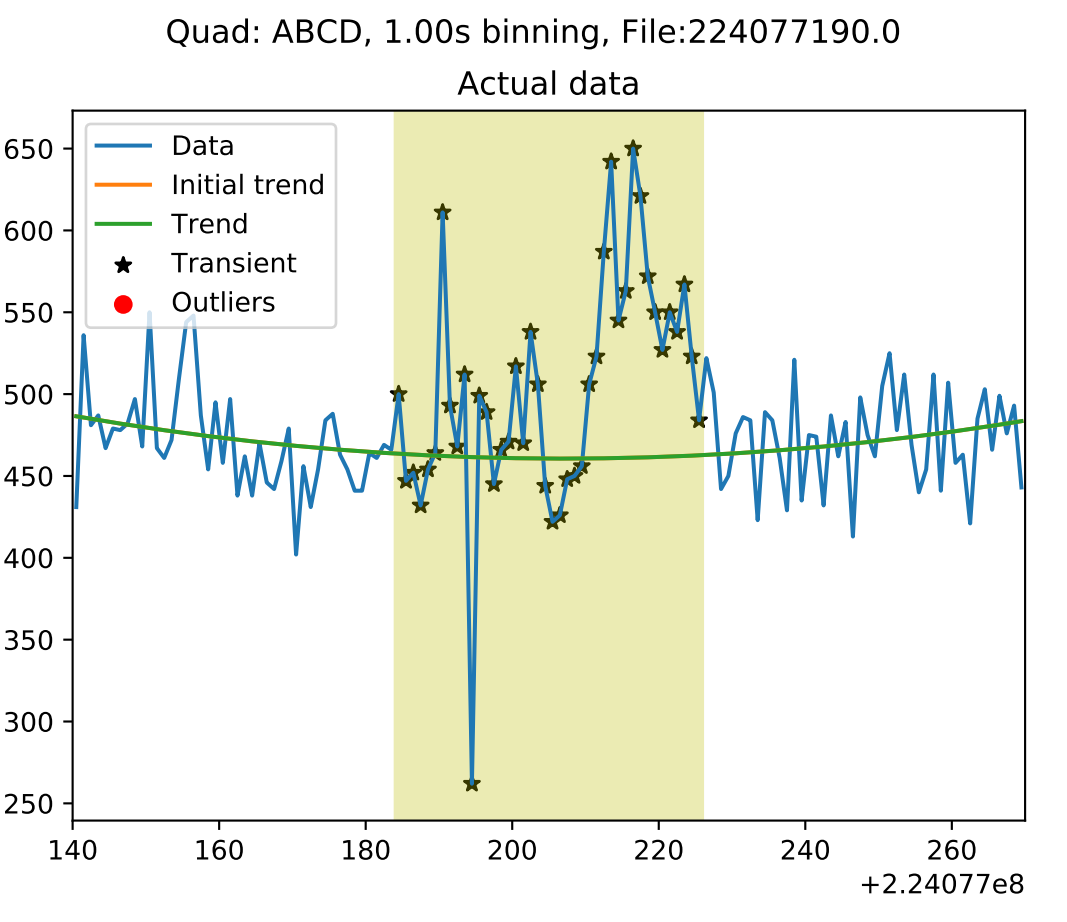

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
140
160
180
200
220
240
260
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
40
20
0
−20
Time (sec)
+2.24077e8

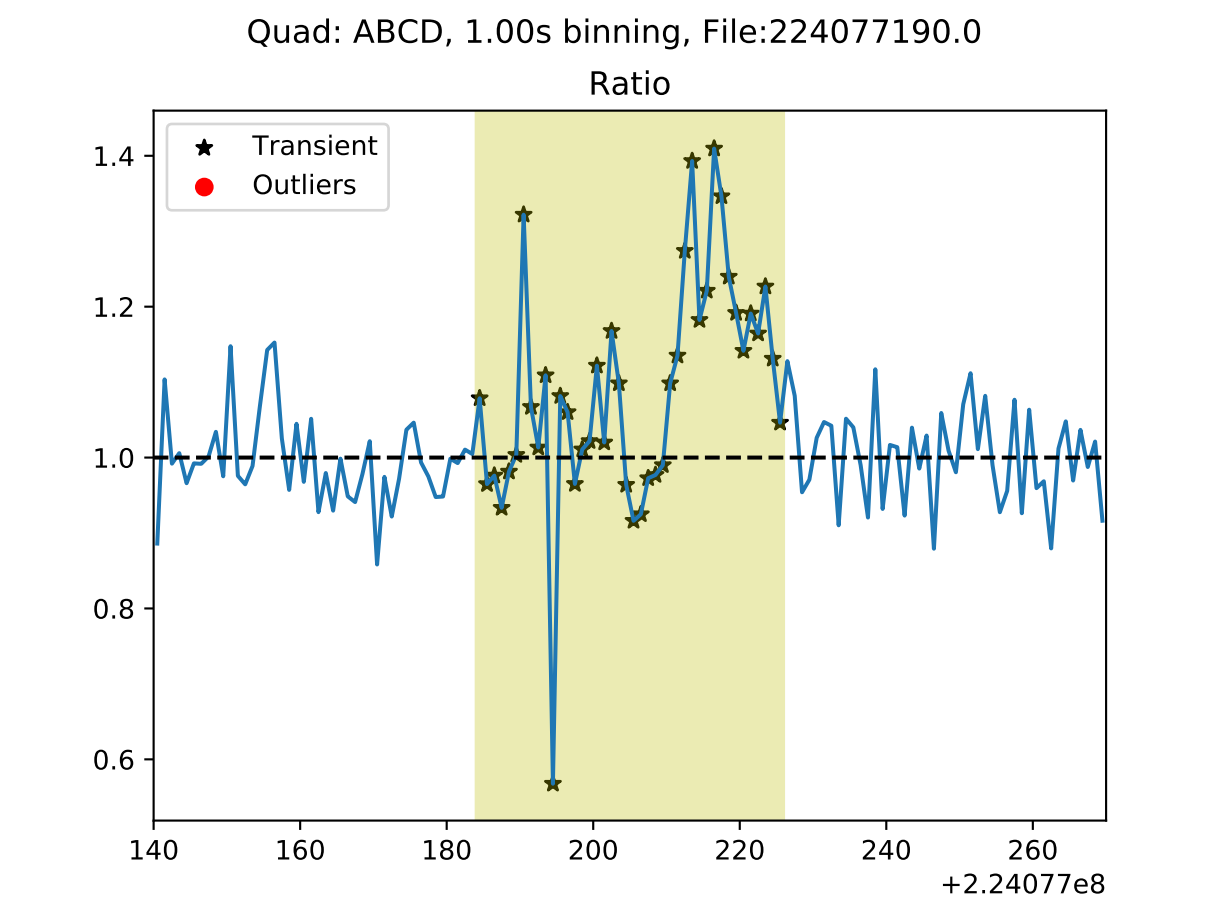

Quadrant D
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
Marked times
Marked times
bins
+2.24077e8

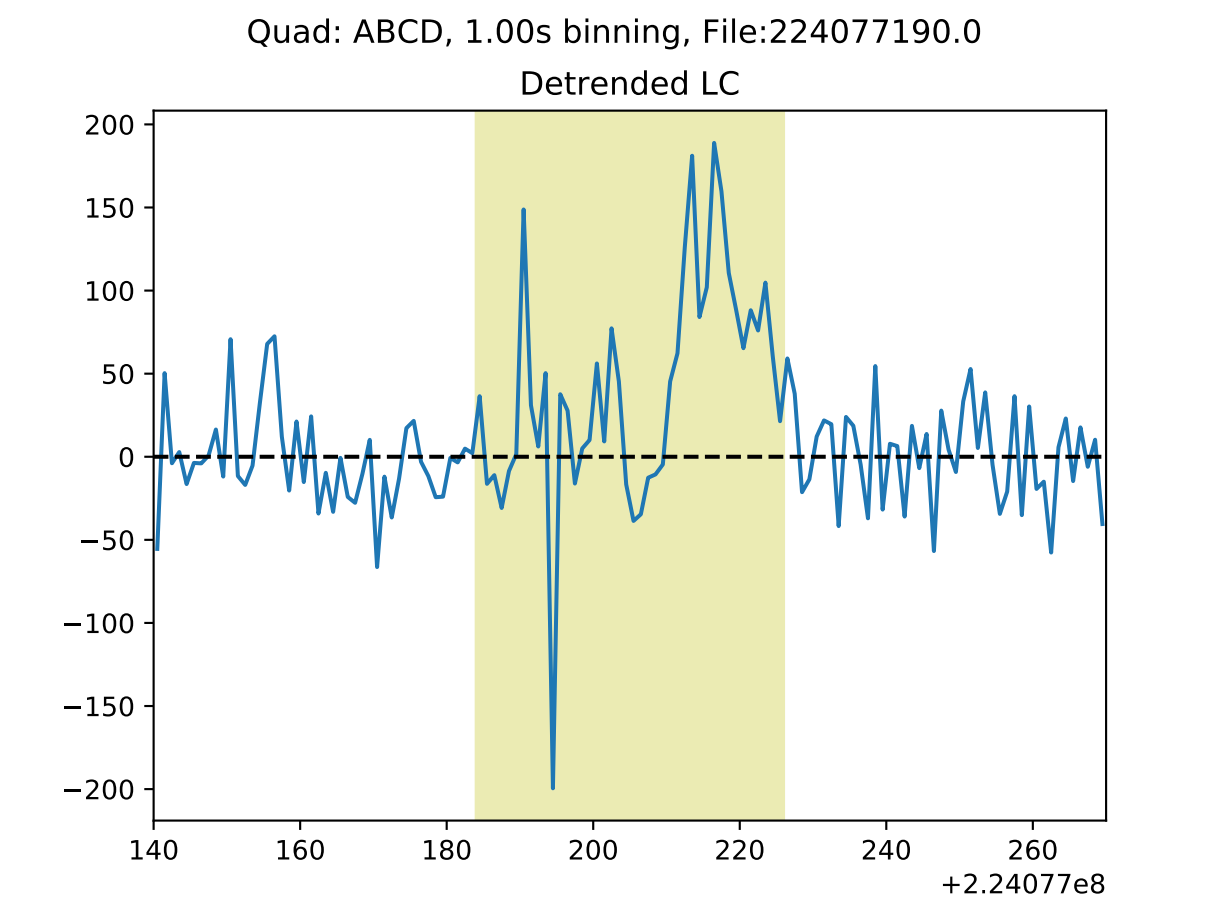

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
140
160
180
200
220
240
260
0
10
Excess counts/keV
Excess counts/sec
50
0
Marked times
Marked times
+2.24077e8
bins
20


Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
140
160
180
200
220
240
260
+2.24077e8
0
5
Strength/keV
Strength/sec
Marked times
Marked times
20
10
0
−10
bins

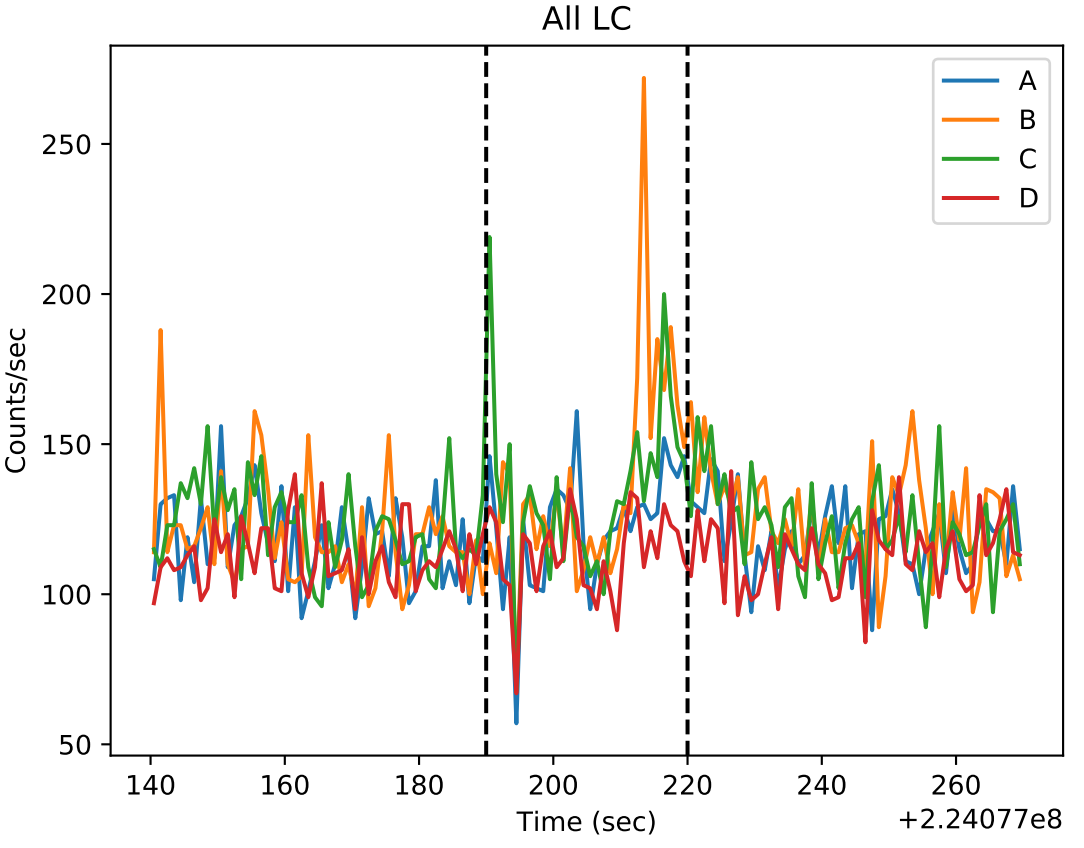

LC: Quad D
Counts/sec
150
100
50
0
−50
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
140
160
180
200
220
240
260
+2.24077e8
Significance
20
0
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)


Quad: ABCD, 1.00s binning, File:224077190.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
650
600
550
500
450
400
350
300
250
140
160
180
200
220
240
260
+2.24077e8


Quad: ABCD, 1.00s binning, File:224077190.0
Ratio
Transient
Outliers
1.4
1.2
1.0
0.8
0.6
140
160
180
200
220
240
260
+2.24077e8


Quad: ABCD, 1.00s binning, File:224077190.0
Detrended LC
200
150
100
50
0
−50
−100
−150
−200
140
160
180
200
220
240
260
+2.24077e8

Quad: ABCD, 1.00s binning, File:224077190.0
T90 measurement
1.0
0.8
0.6
0.4
0.2
0.0
Without outlier rejection
With outlier rejection
T90 = 15.06
140
160
180
200
220
240
260
+2.24077e8


All LC
A
B
C
D
250
200
150
100
50
Counts/sec
140
160
180
200
220
240
260
Time (sec)
+2.24077e8