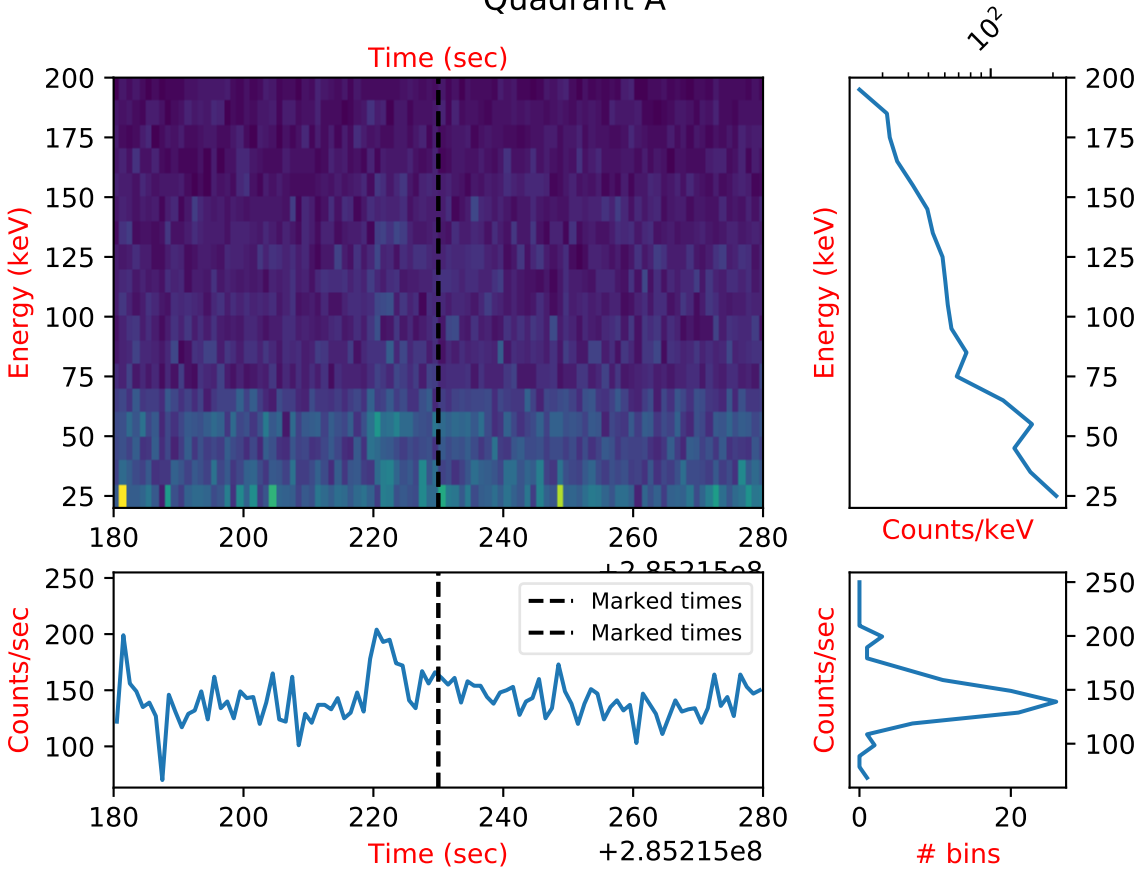
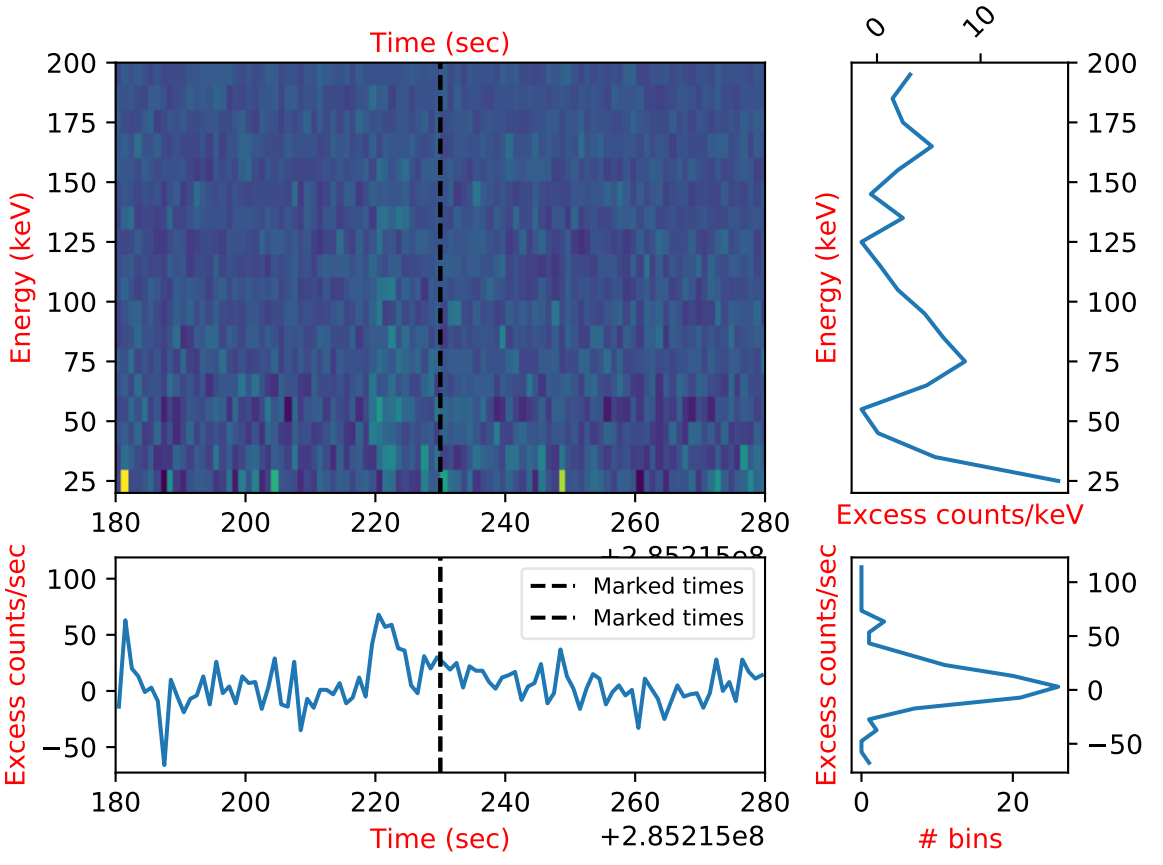
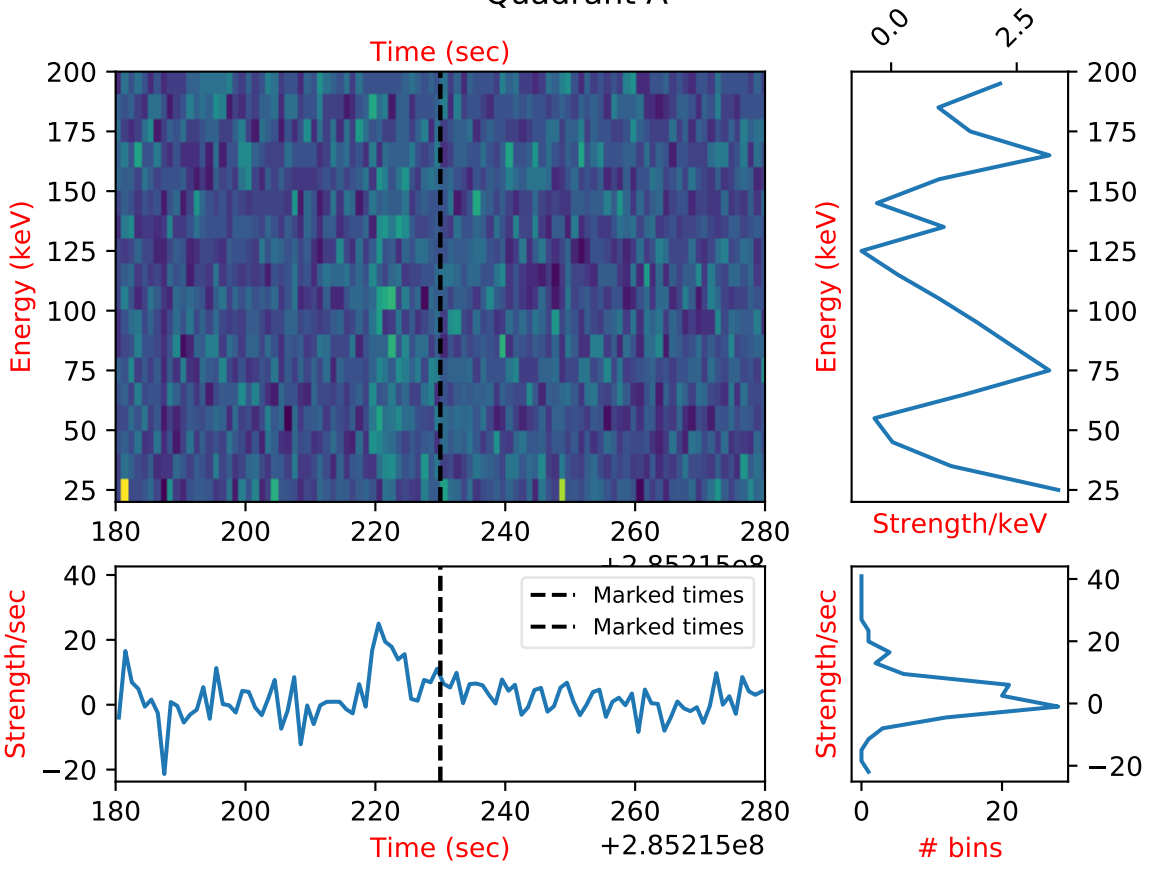
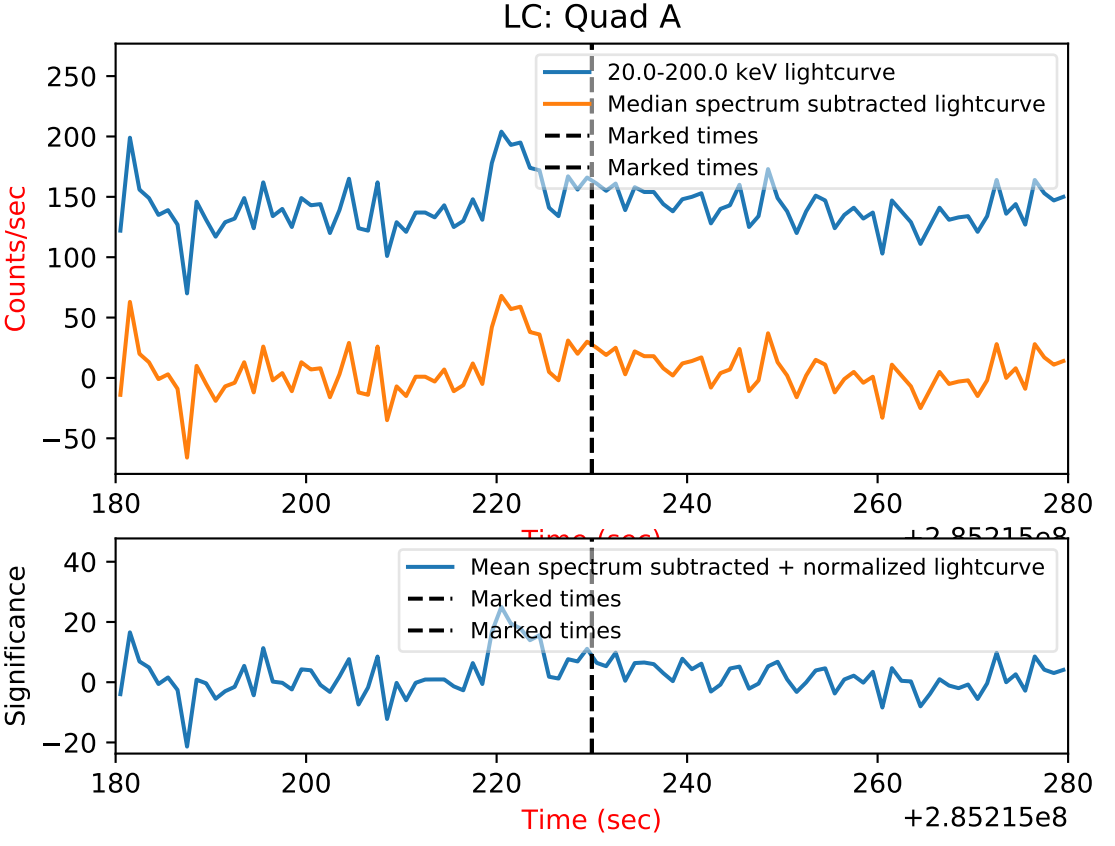
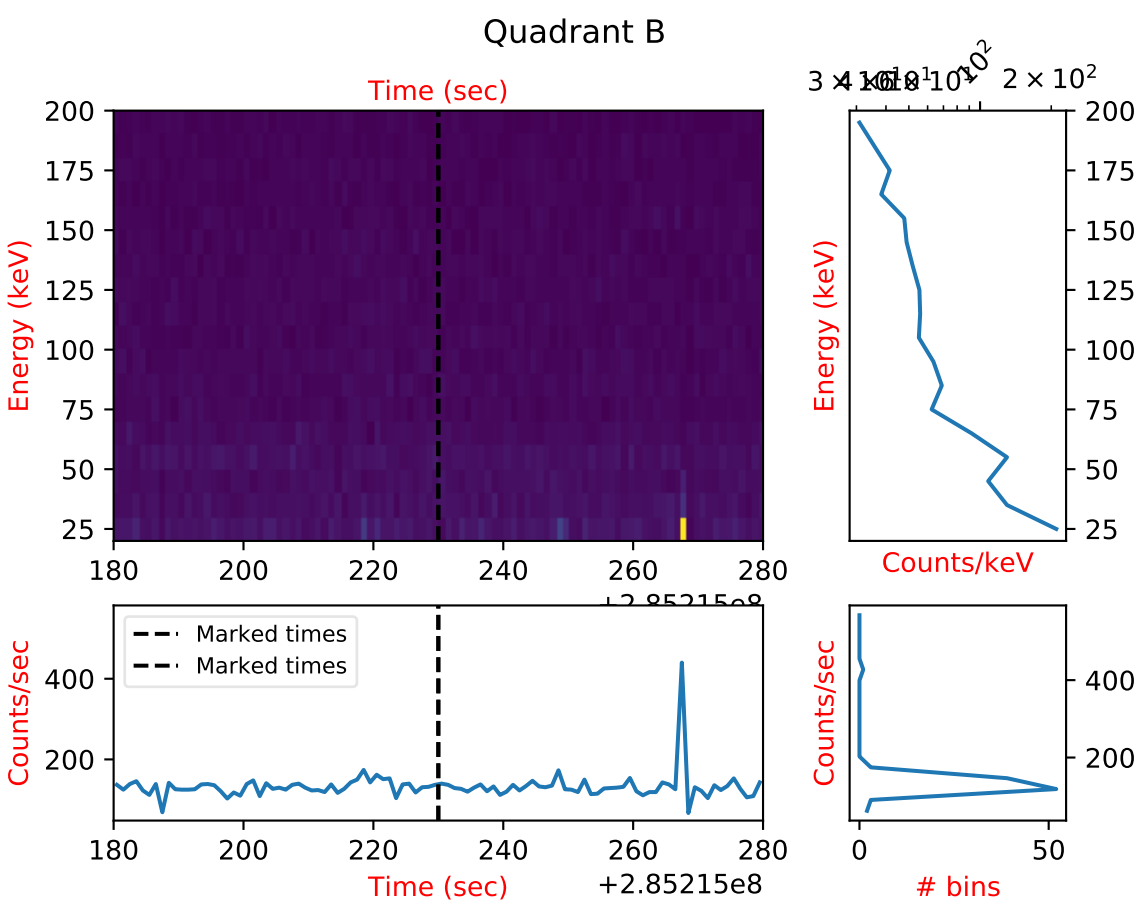
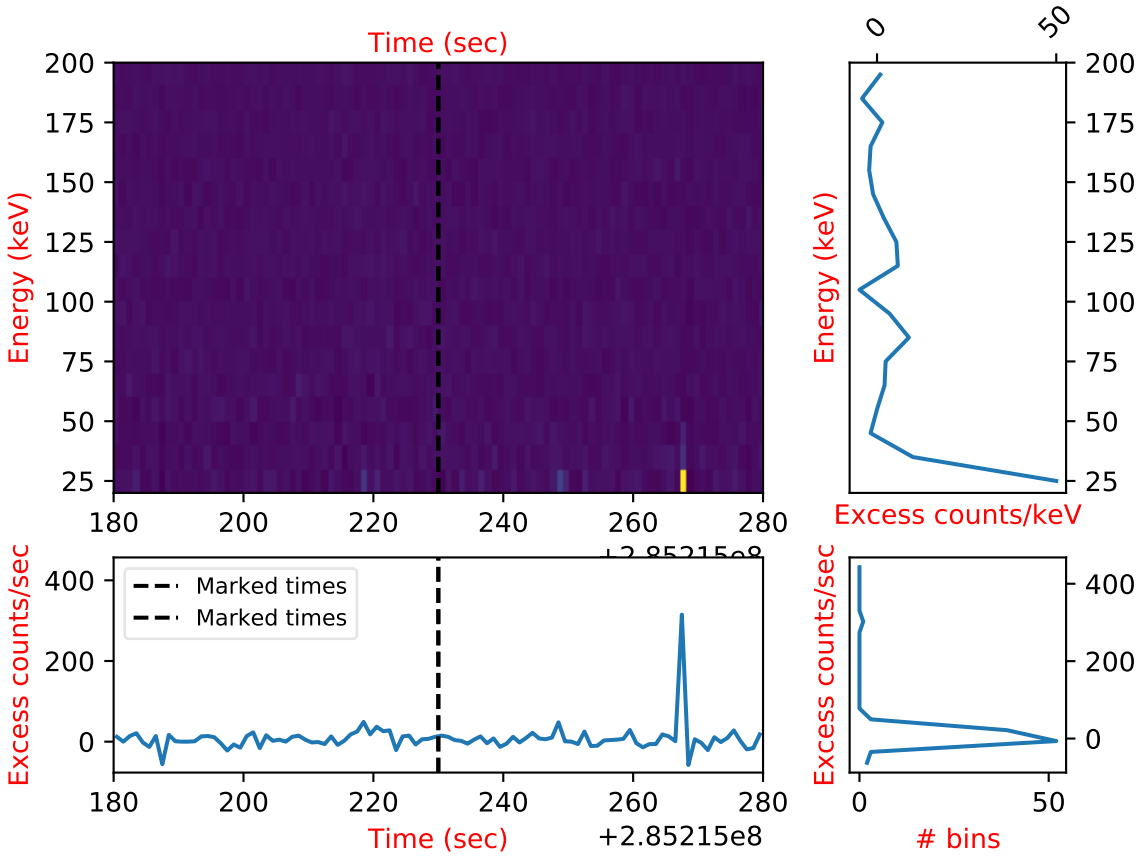

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
180
200
220
240
260
280
10^2
Counts/keV
Counts/sec
250
200
150
100
Marked times
Marked times
+2.85215e8
0
20
bins

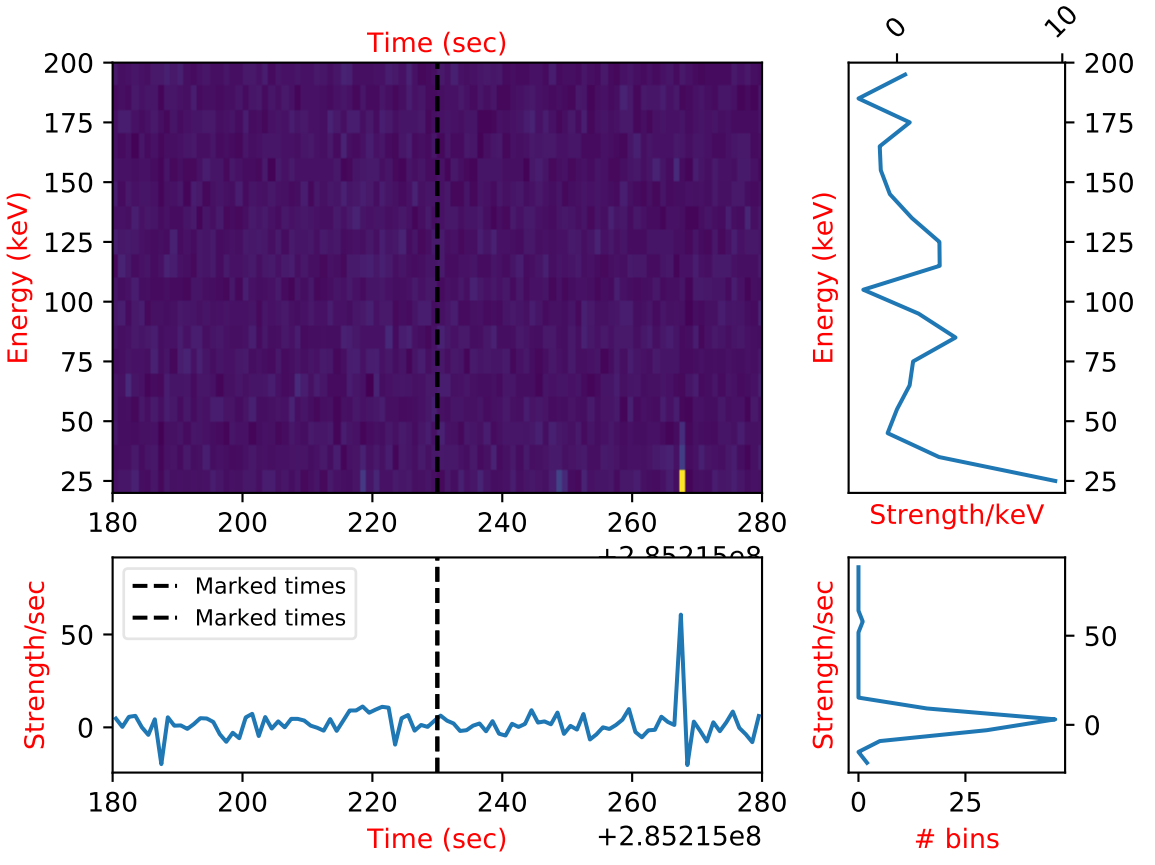

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
180
200
220
240
260
280
0
10
Excess counts/keV
Excess counts/sec
100
50
0
−50
Marked times
Marked times
+2.85215e8
bins
20

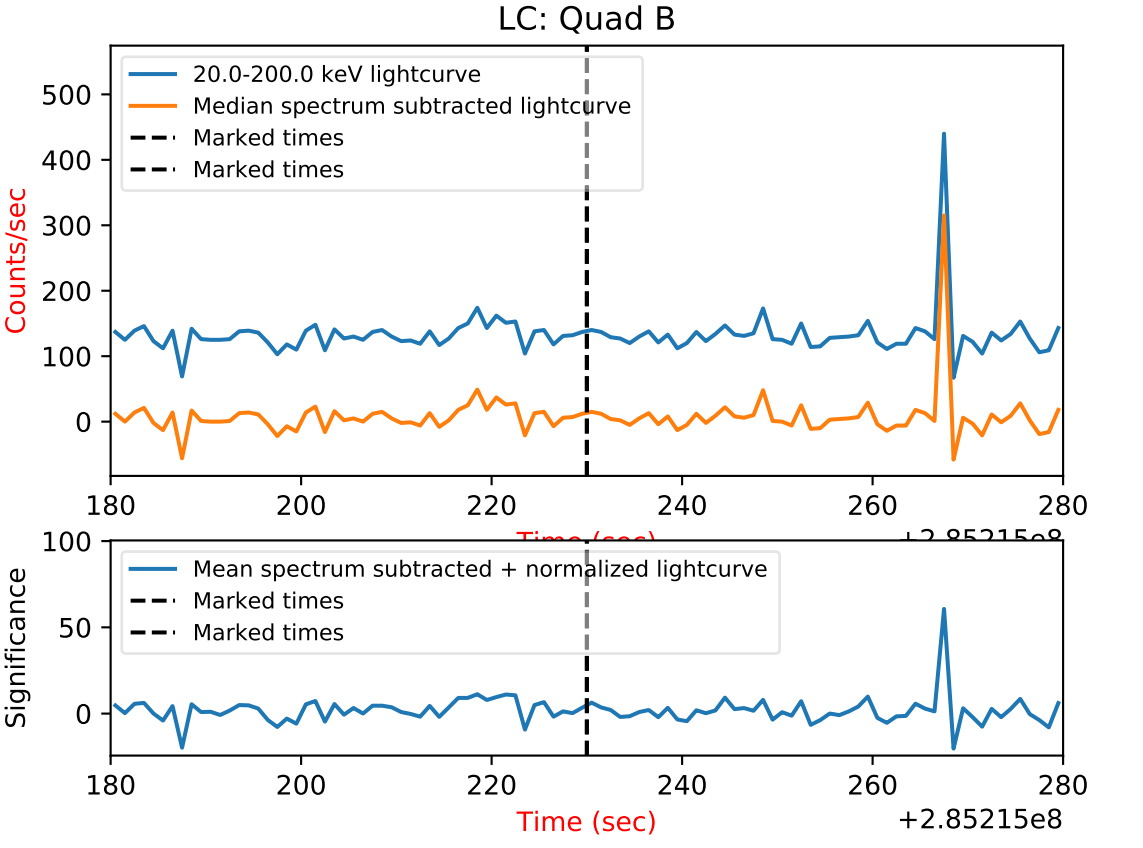

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
180
200
220
240
260
280
0.0
2.5
Strength/keV
Strength/sec
40
20
0
−20
Marked times
Marked times
+2.85215e8
bins

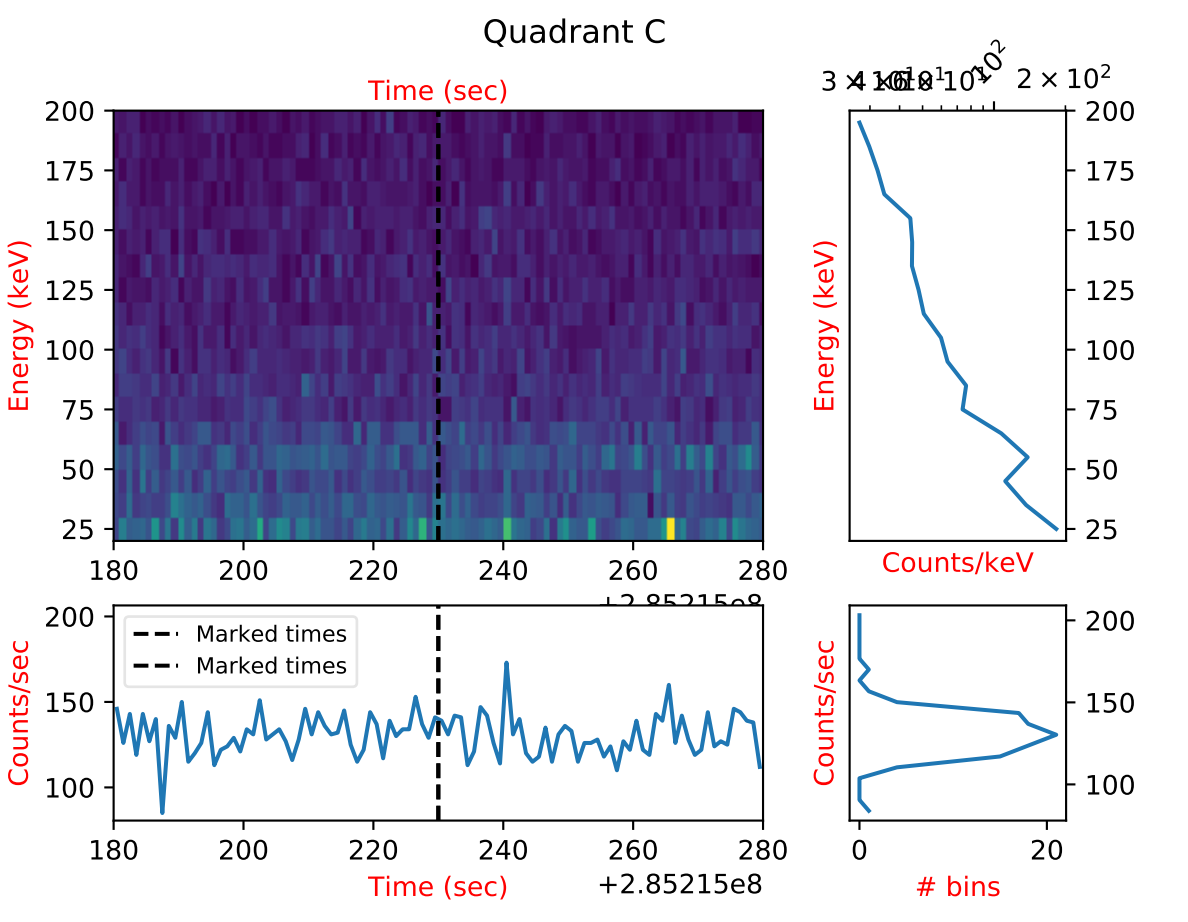

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
180
200
220
240
260
280
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
40
20
0
−20
Time (sec)
+2.85215e8

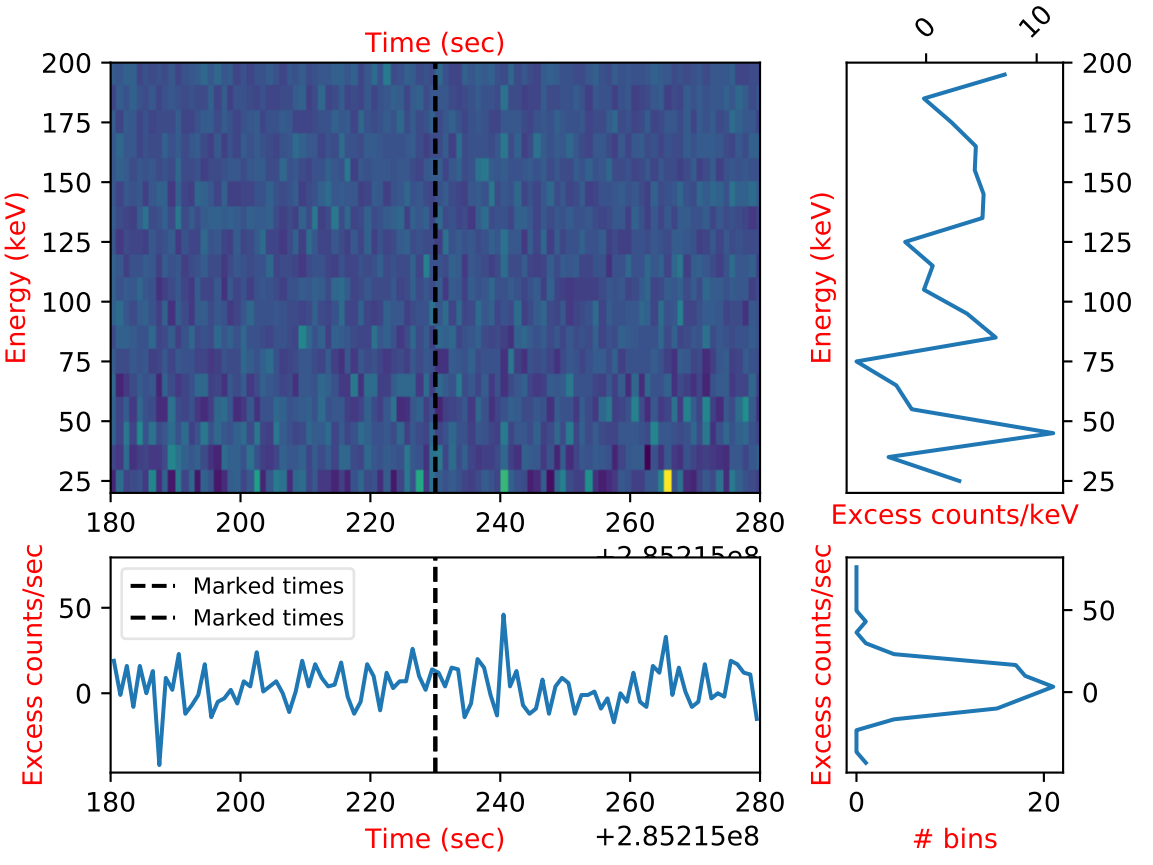

Quadrant B
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
bins
Marked times
Marked times
+2.85215e8

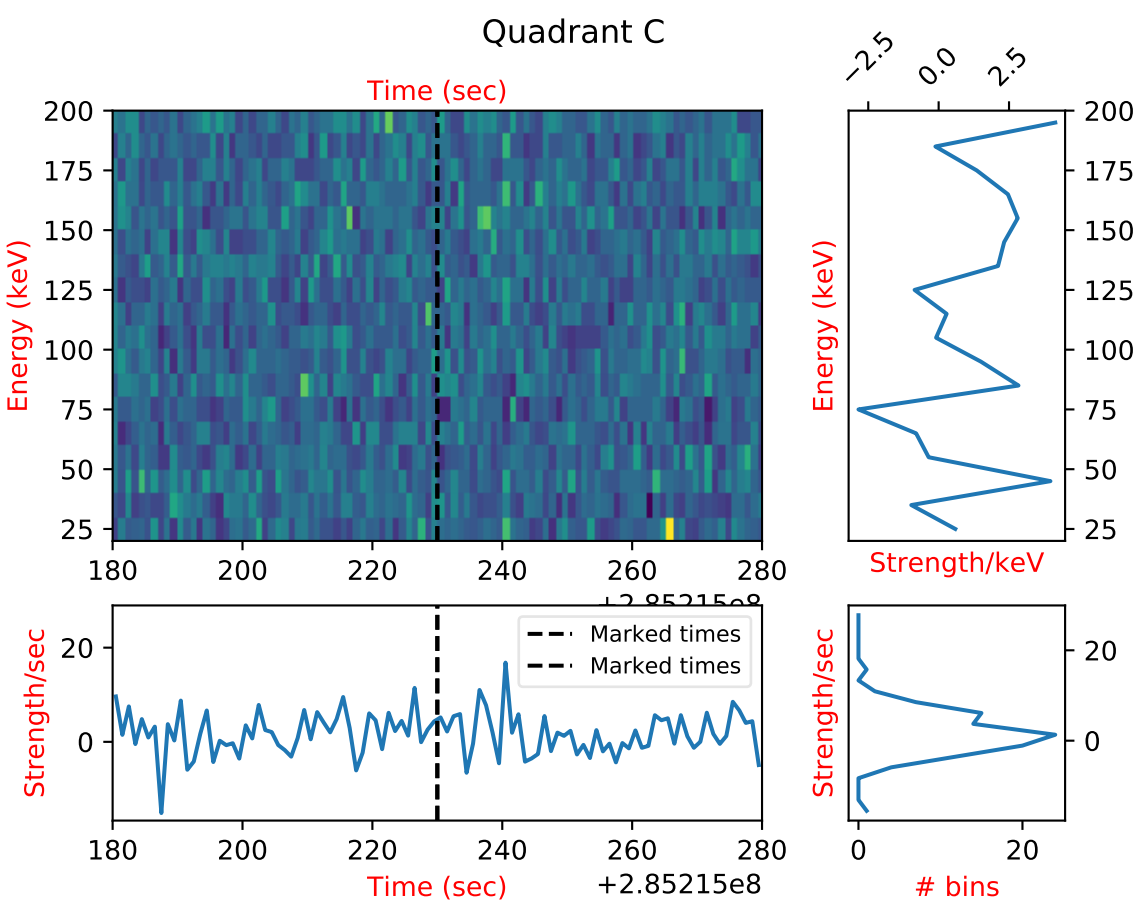

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
180
200
220
240
260
280
+2.85215e8
0
50
Excess counts/keV
Excess counts/sec
400
200
0
Marked times
Marked times
bins

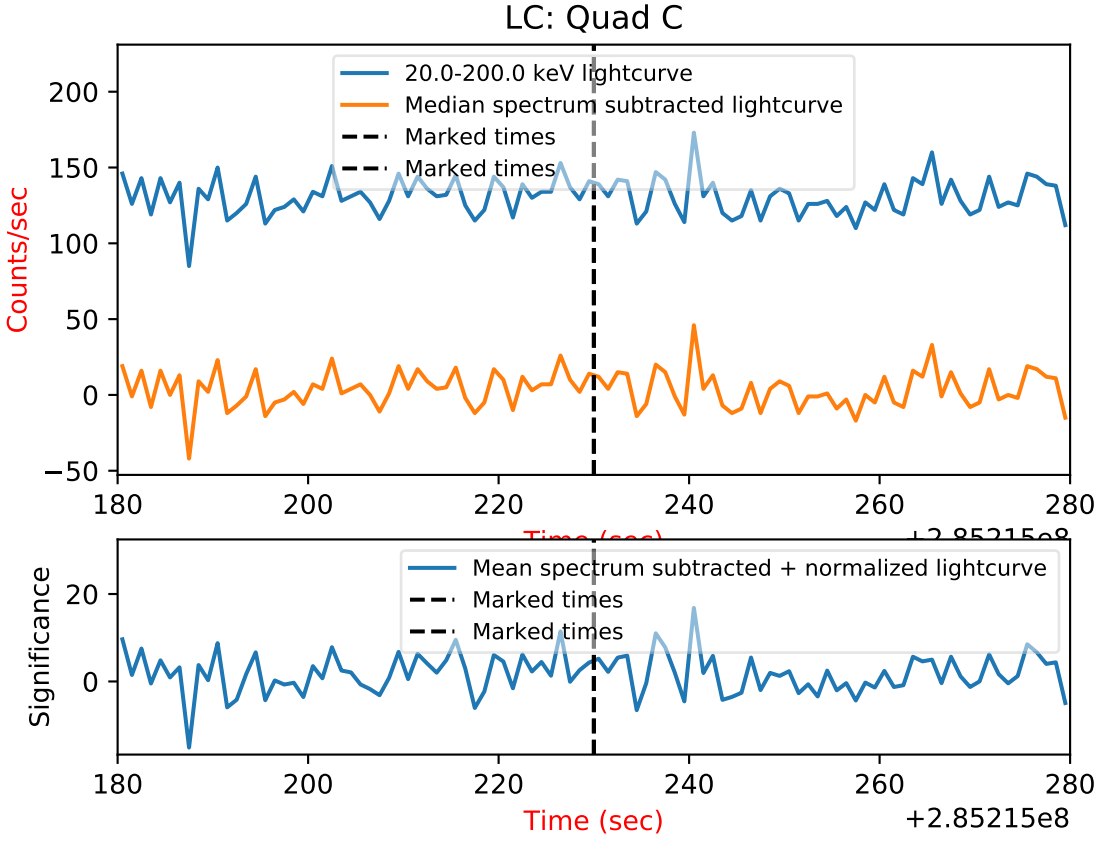

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
180
200
220
240
260
280
0
10
Strength/keV
Strength/sec
Marked times
Marked times
50
0
+2.85215e8
bins
25

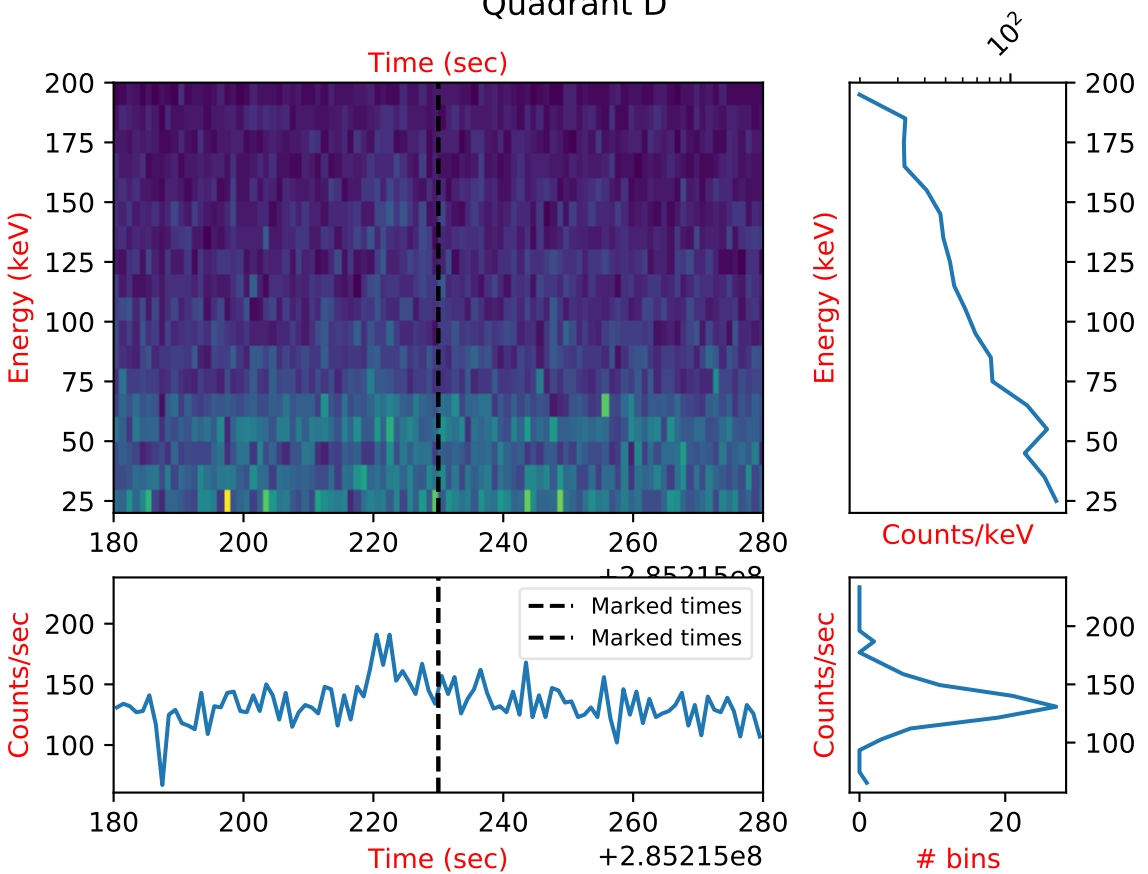

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
500
400
300
200
100
0
180
200
220
240
260
280
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
100
50
0
Time (sec)
+2.85215e8

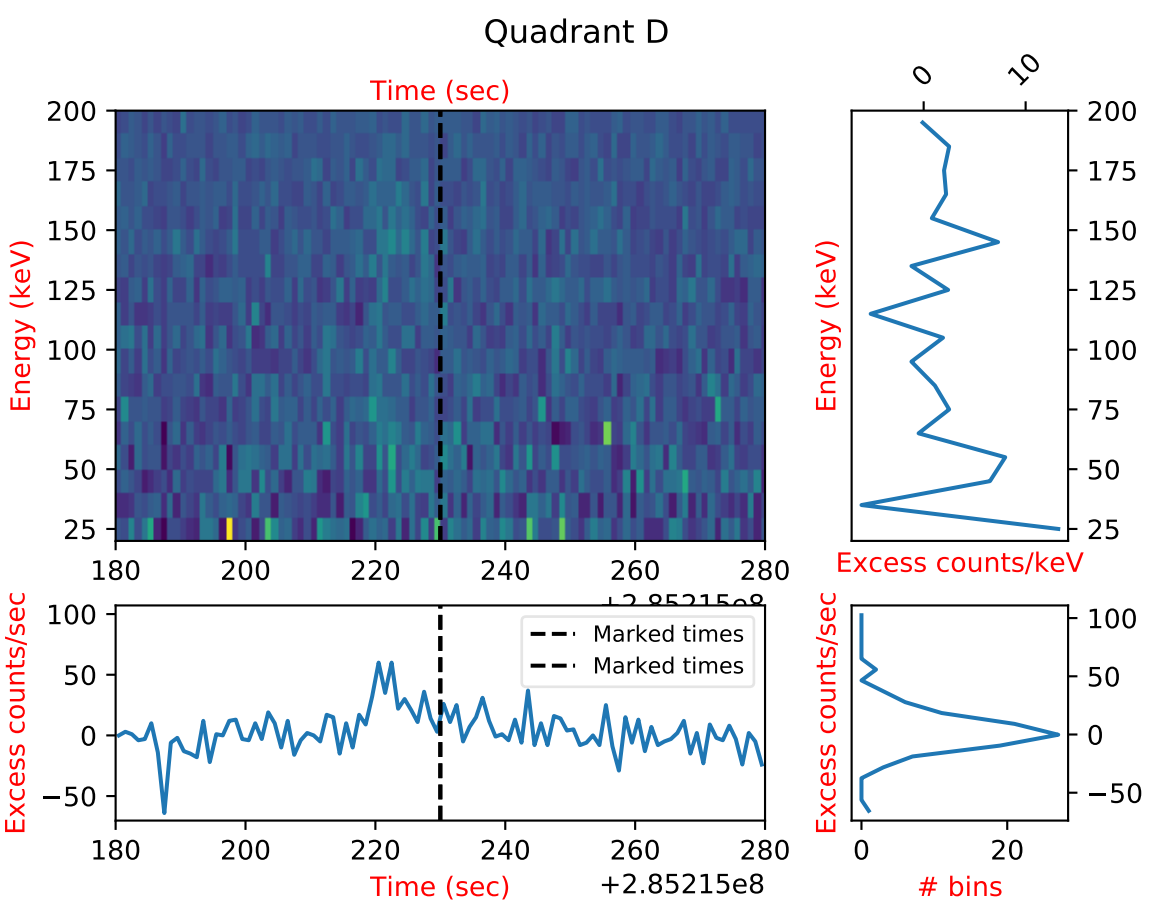

Quadrant C
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
Marked times
Marked times
bins
+2.85215e8

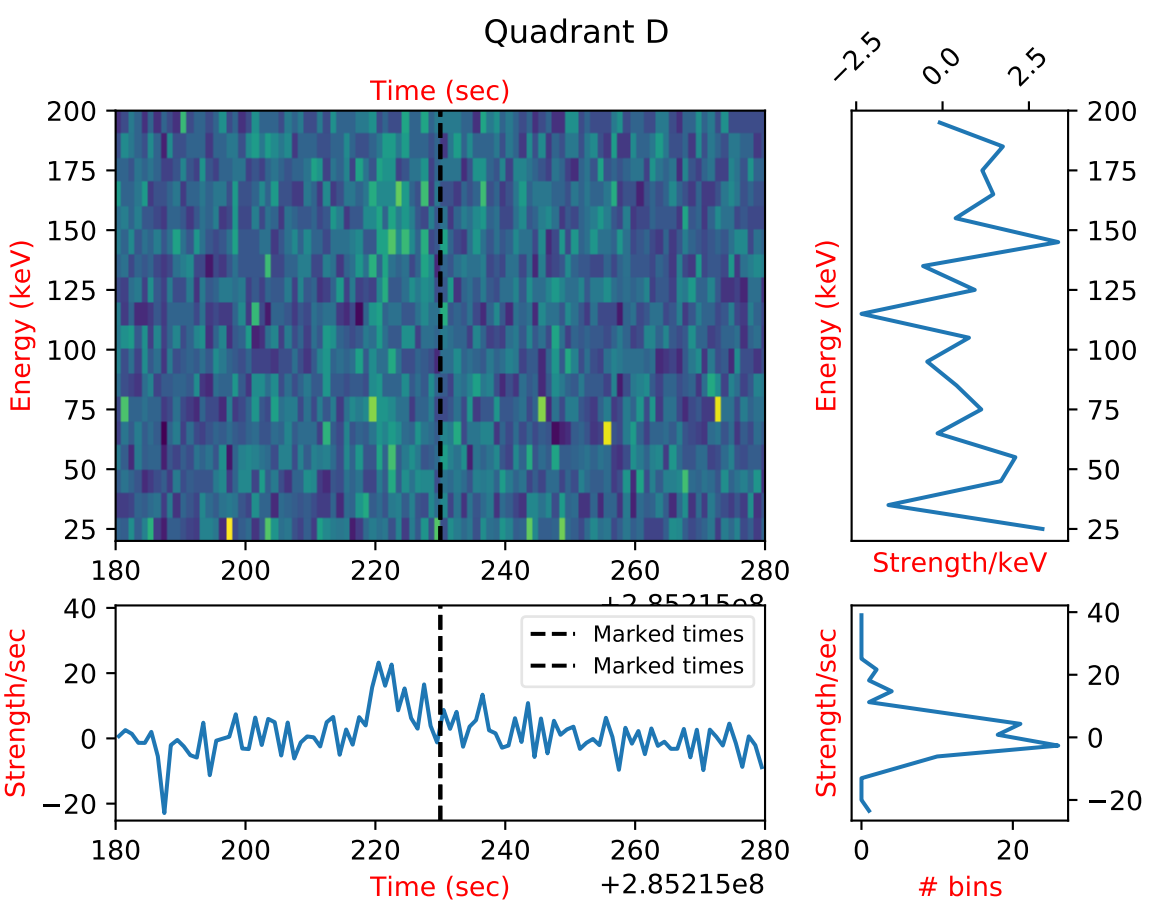

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
180
200
220
240
260
280
+2.85215e8
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
bins
20

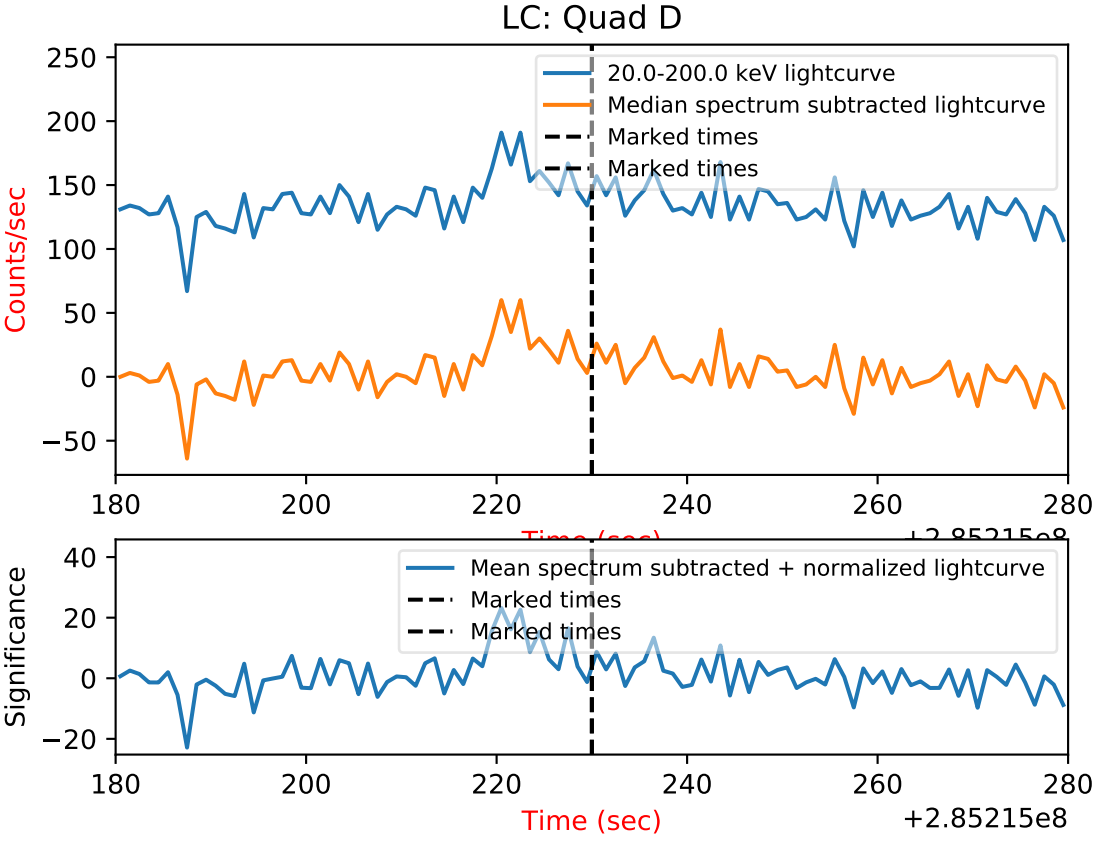

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
180
200
220
240
260
280
−2.5
0.0
2.5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
+2.85215e8
bins


LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−50
180
200
220
240
260
280
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+2.85215e8

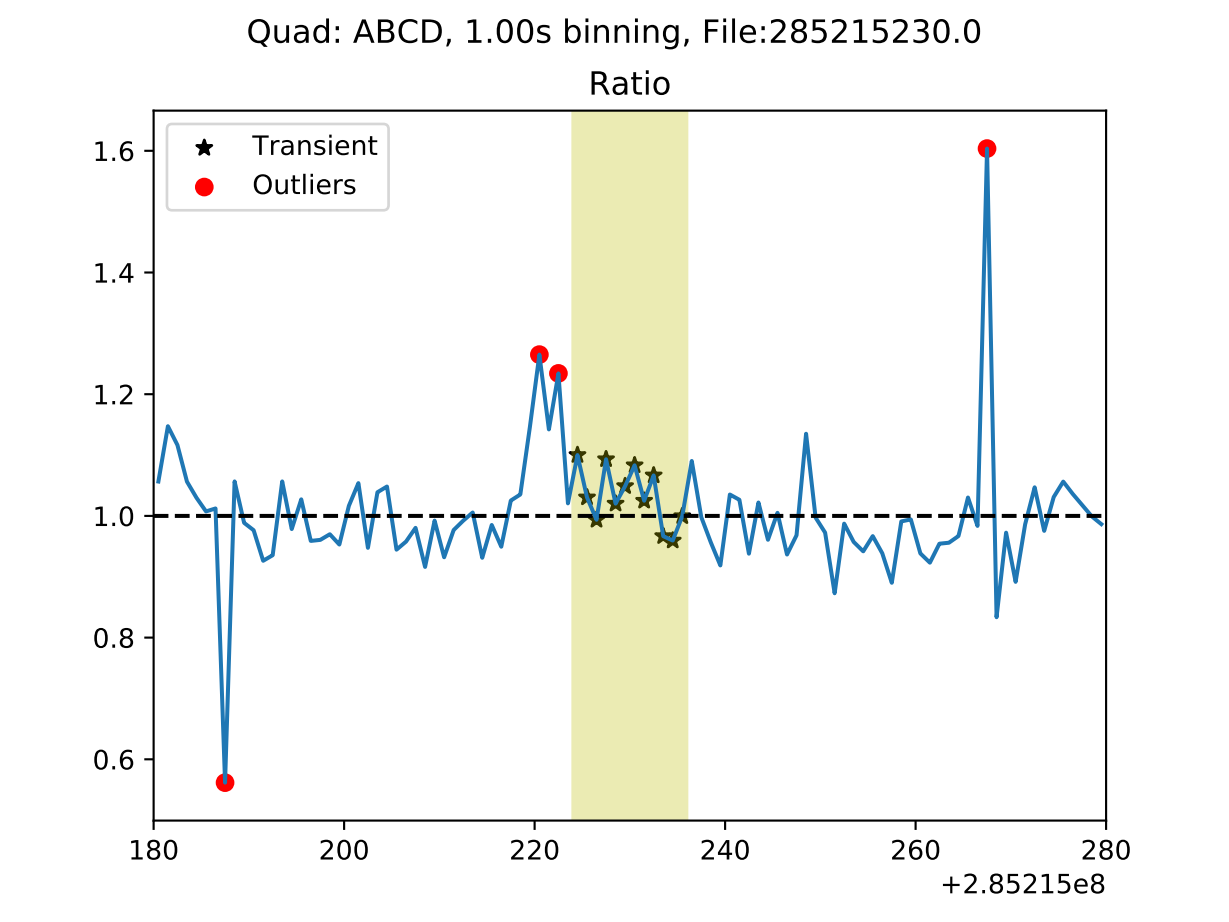

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
180
200
220
240
260
280
10^2
Counts/keV
Counts/sec
Marked times
Marked times
+2.85215e8
0
20
bins


Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
180
200
220
240
260
280
0
10
Excess counts/keV
Excess counts/sec
100
50
0
−50
Marked times
Marked times
+2.85215e8
bins
20


Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
180
200
220
240
260
280
−2.5
0.0
2.5
Strength/keV
Strength/sec
40
20
0
−20
Marked times
Marked times
+2.85215e8
bins

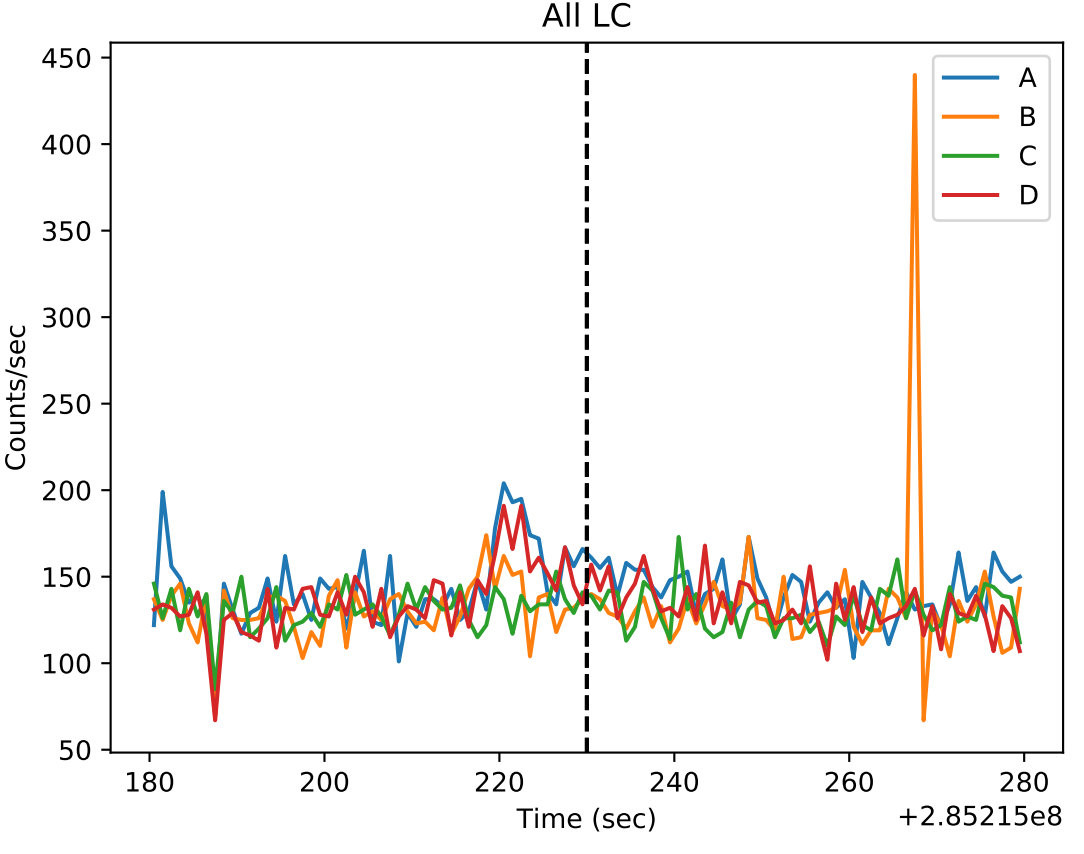

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
180
200
220
240
260
280
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
40
20
0
−20
Time (sec)
+2.85215e8

Quad: ABCD, 1.00s binning, File:285215230.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
800
700
600
500
400
300
180
200
220
240
260
280
+2.85215e8


Quad: ABCD, 1.00s binning, File:285215230.0
Ratio
Transient
Outliers
1.6
1.4
1.2
1.0
0.8
0.6
180
200
220
240
260
280
+2.85215e8

Quad: ABCD, 1.00s binning, File:285215230.0
Detrended LC
300
200
100
0
−100
−200
180
200
220
240
260
280
+2.85215e8

Quad: ABCD, 1.00s binning, File:285215230.0
T90 measurement
1.5
1.0
0.5
0.0
−0.5
180
200
220
240
260
280
+2.85215e8
Without outlier rejection
With outlier rejection
T90 = 8.16


All LC
Counts/sec
Time (sec)
+2.85215e8
A
B
C
D
450
400
350
300
250
200
150
100
50
180
200
220
240
260
280