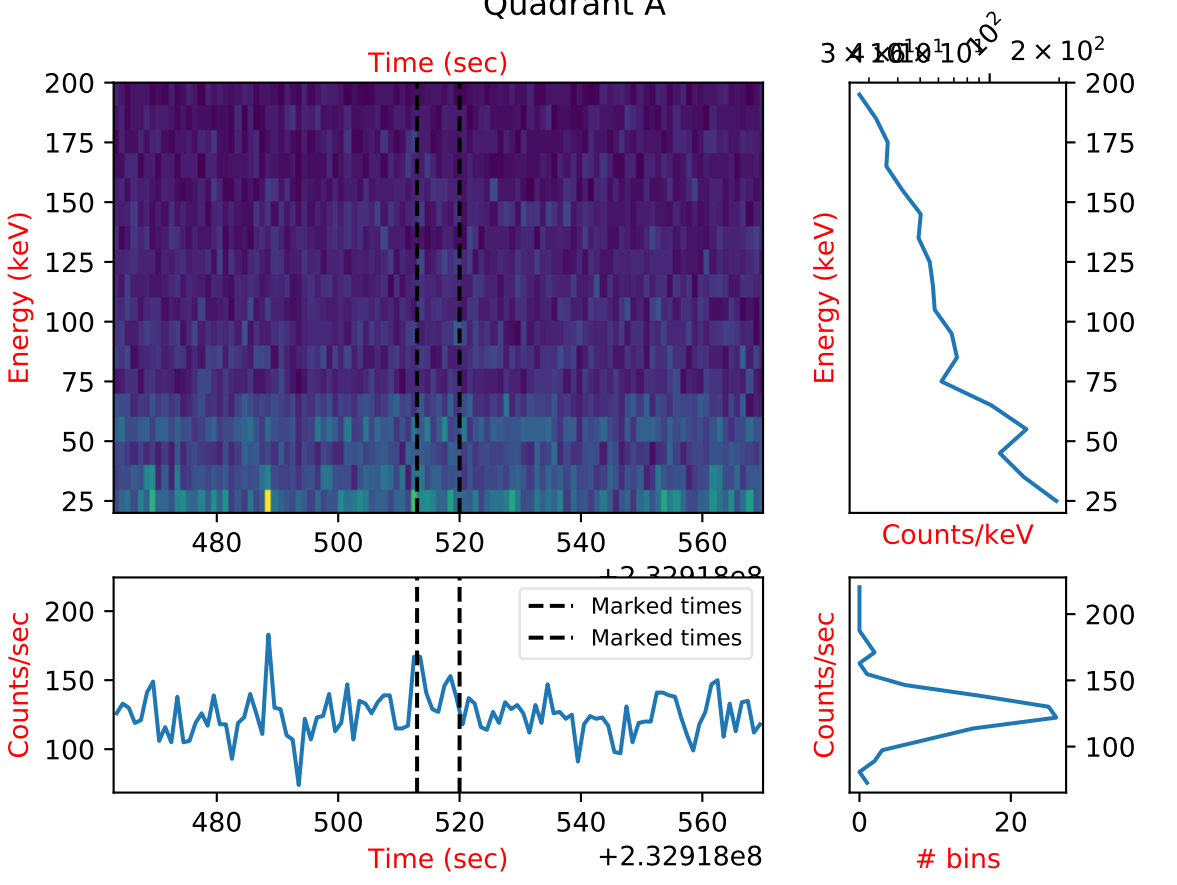
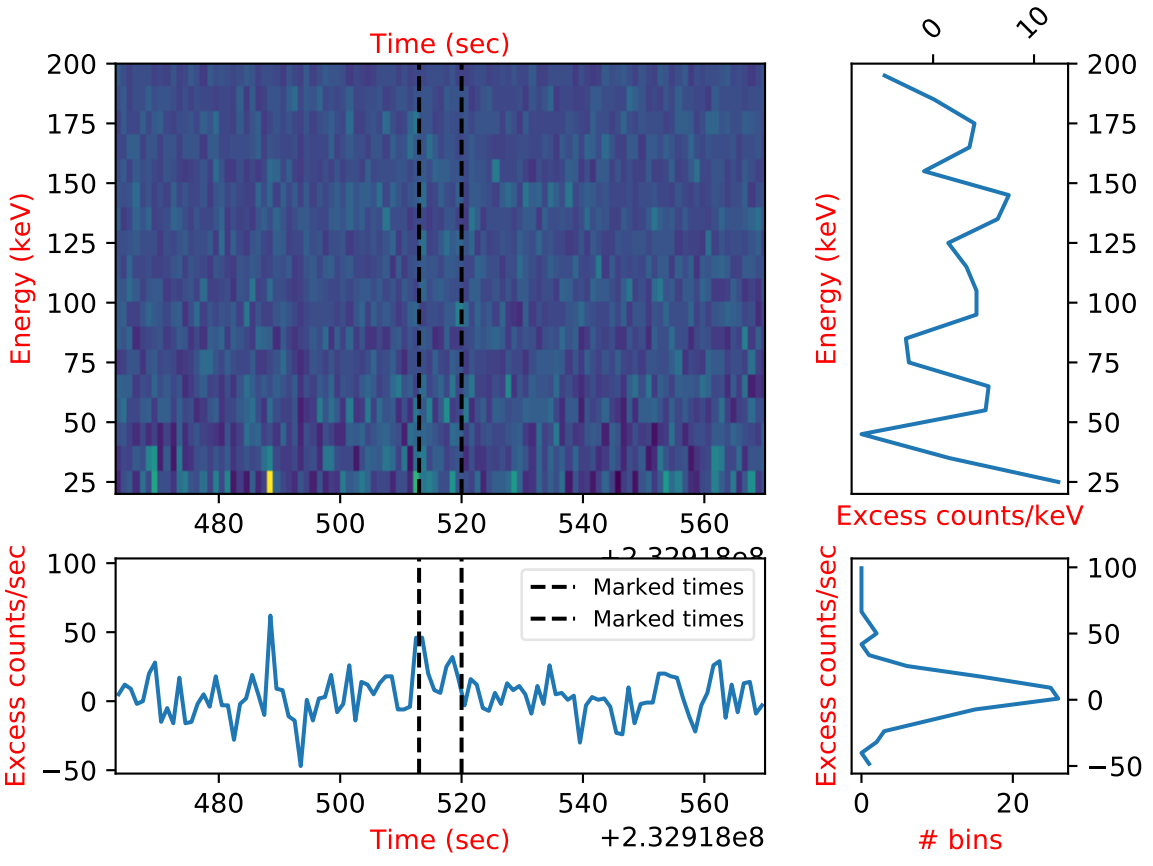
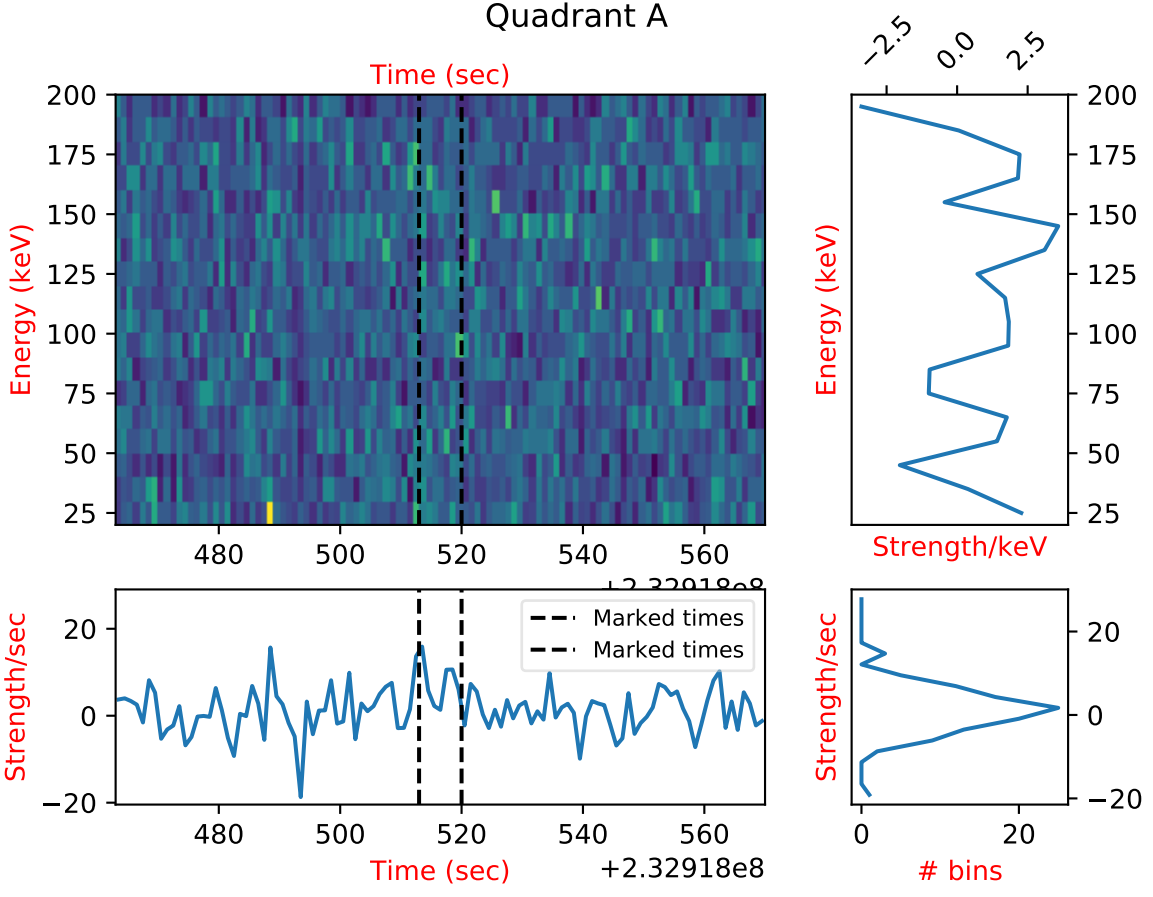
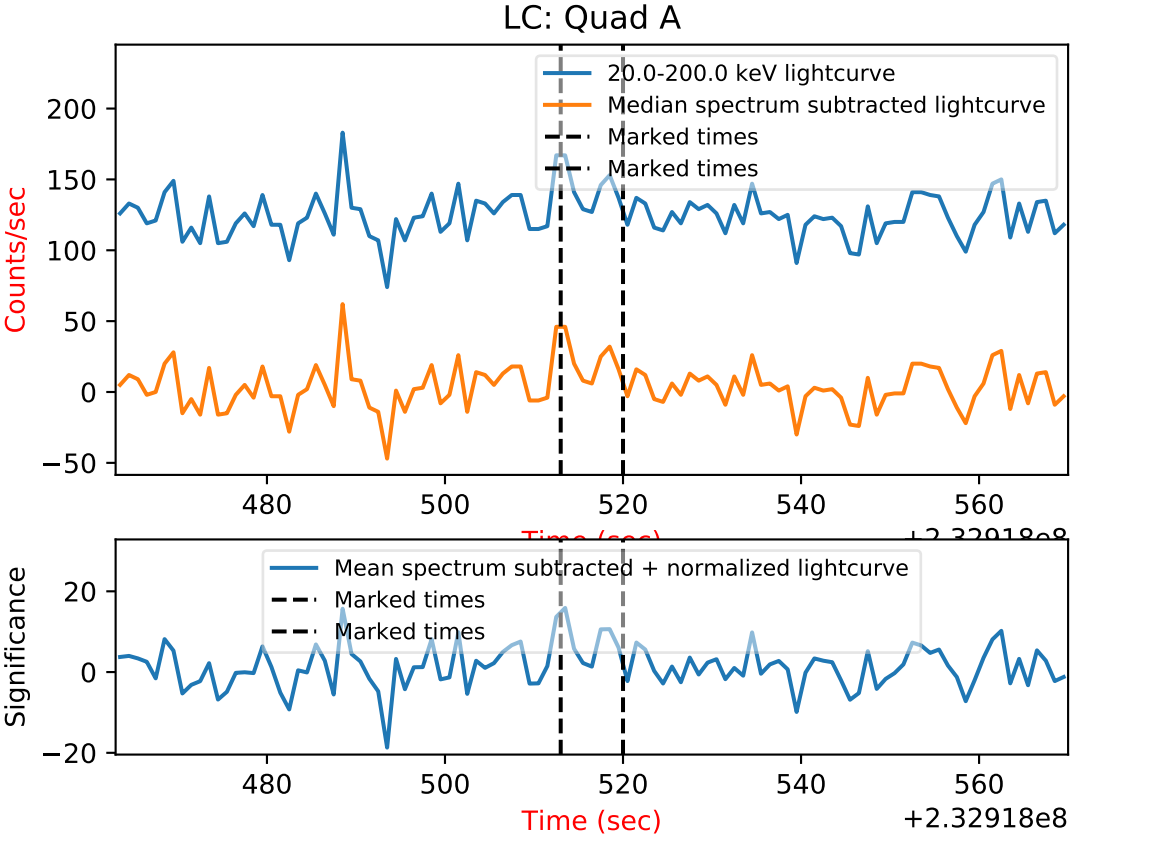
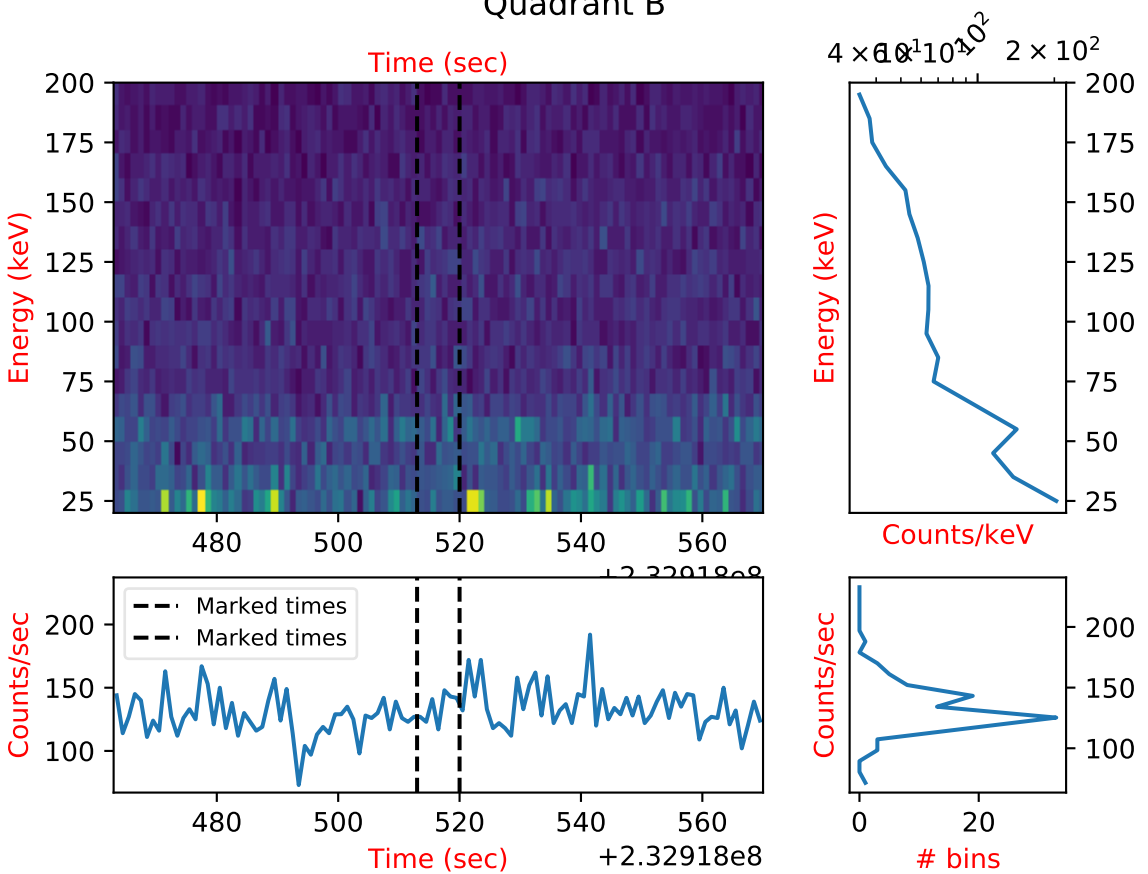
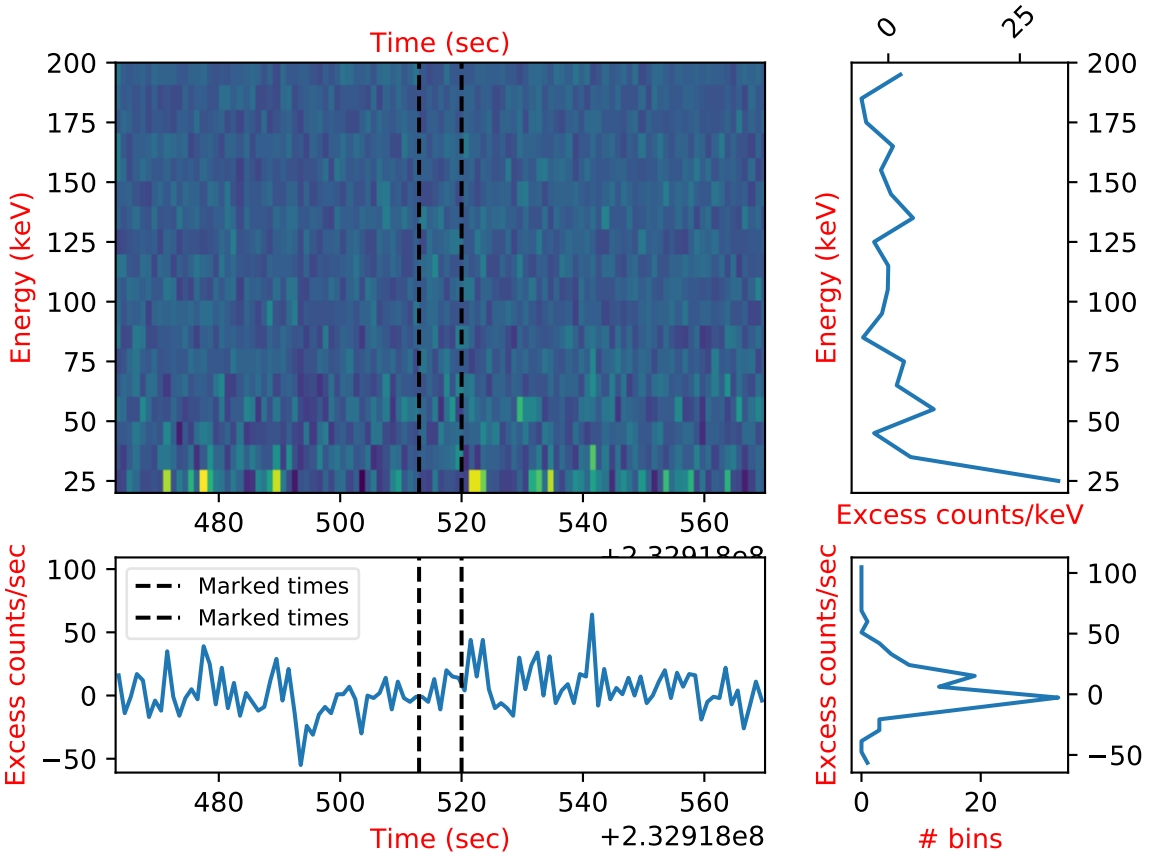

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
+2.32918e8
Counts/keV
Counts/sec
Marked times
Marked times
bins
0
20

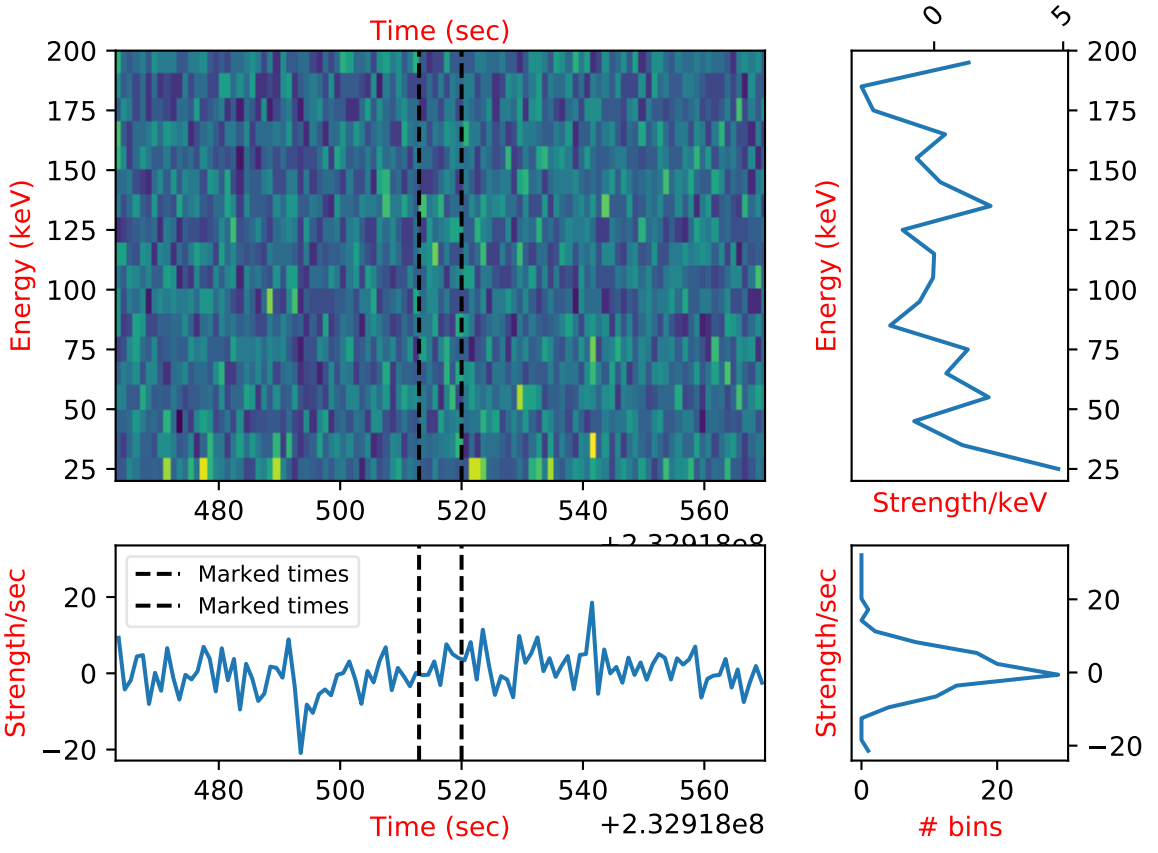

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
0
10
Excess counts/keV
Excess counts/sec
100
50
0
−50
Marked times
Marked times
+2.32918e8
bins
20

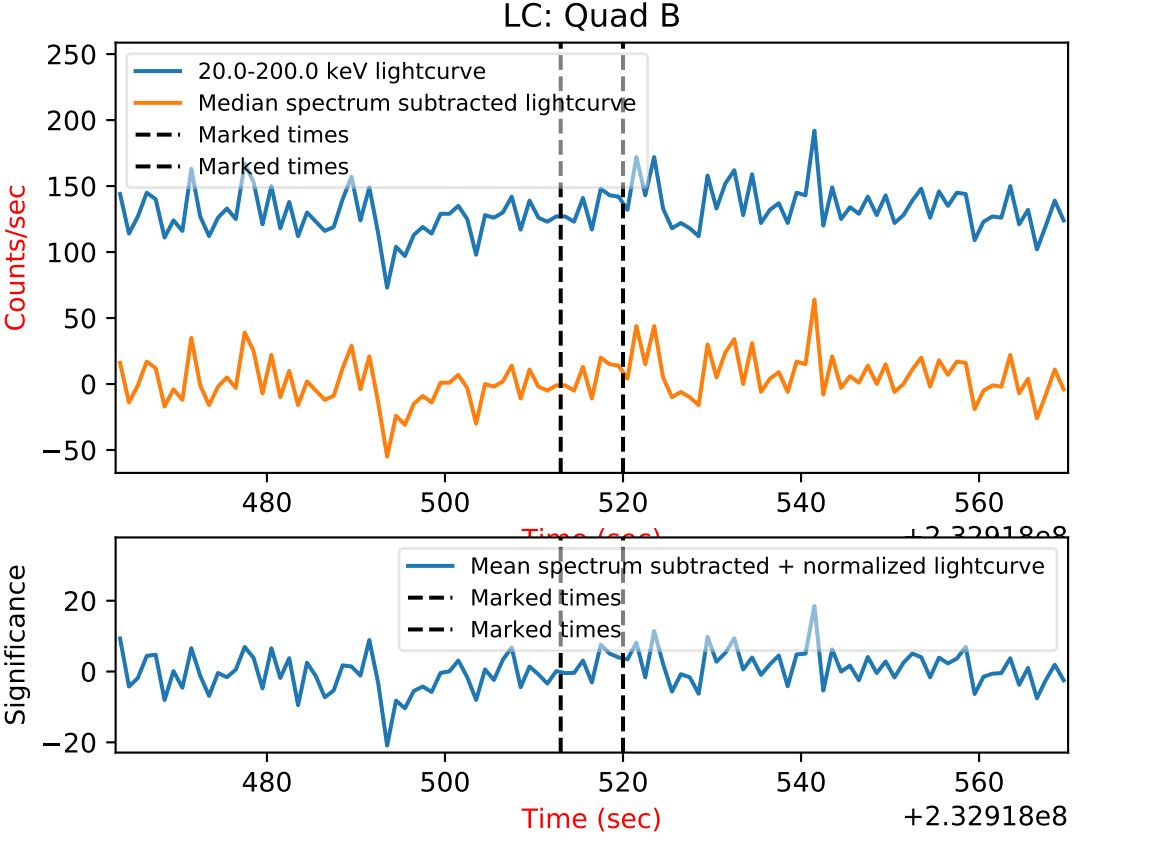

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
−2.5
0.0
2.5
Strength/keV
Strength/sec
20
0
−20
Marked times
Marked times
+2.32918e8
bins

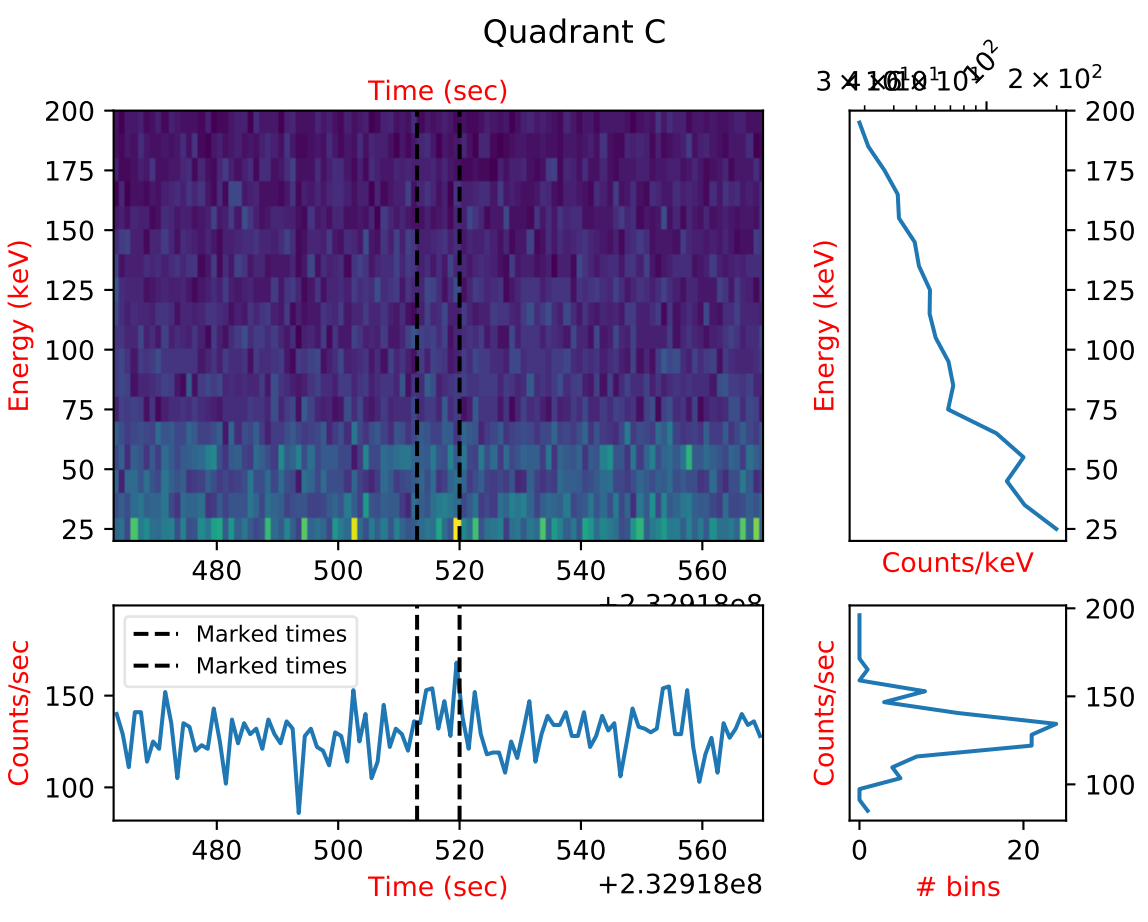

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−50
480
500
520
540
560
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
−20
480
500
520
540
560
Time (sec)
+2.32918e8

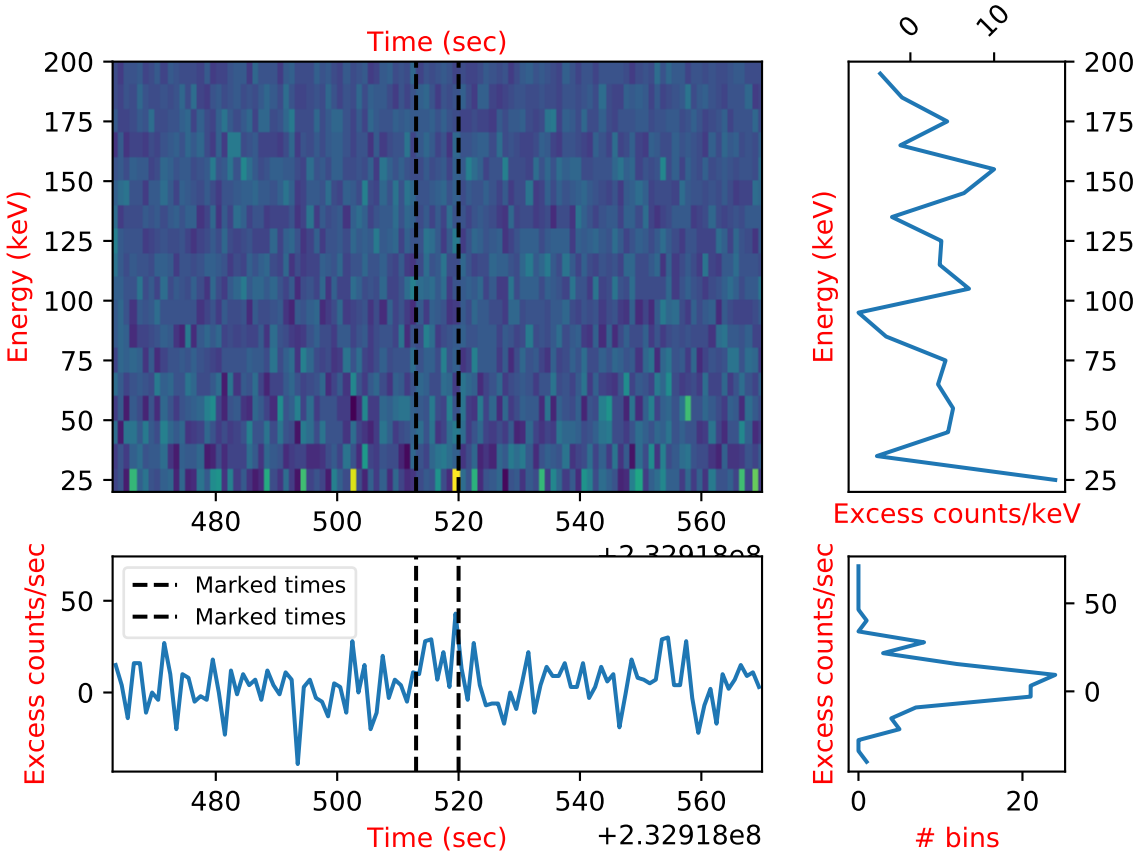

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
4×10^1
6×10^1
10^2
2×10^2
Counts/keV
Marked times
Marked times
Counts/sec
Time (sec)
+2.32918e8
bins
0
20

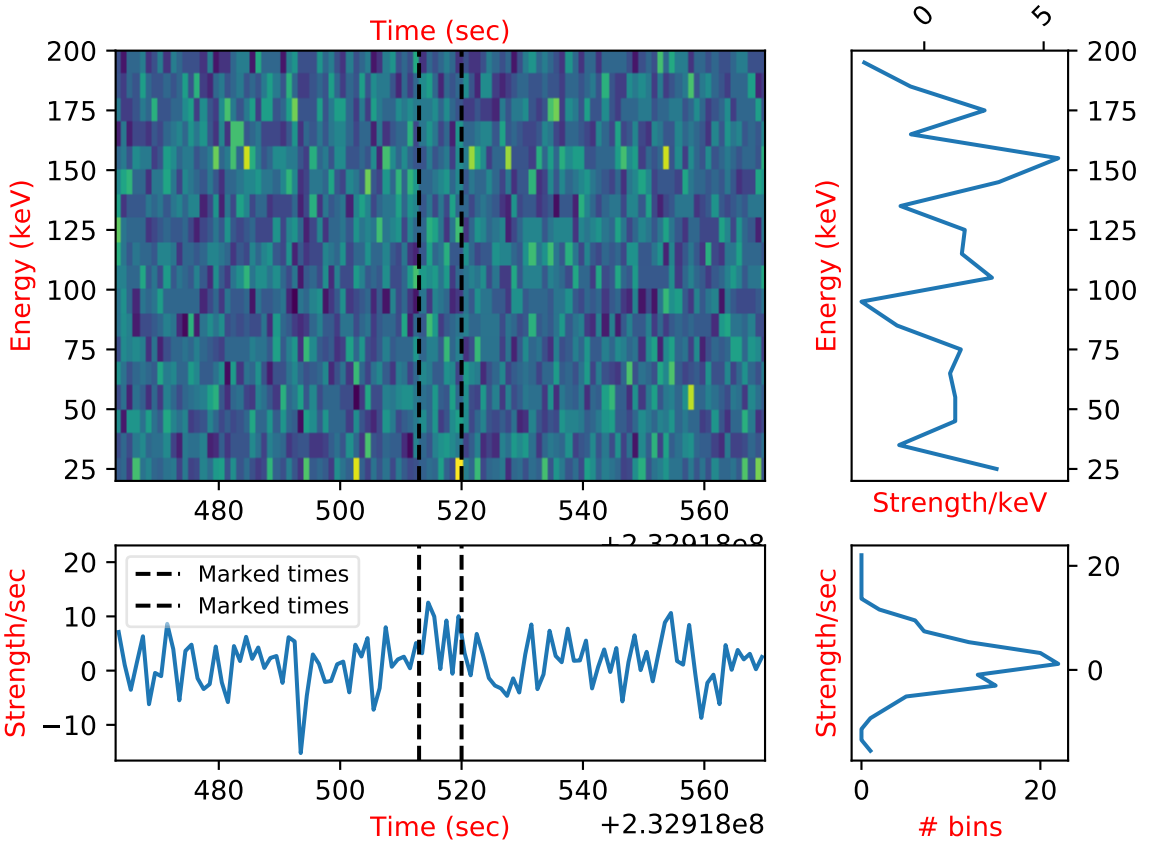

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
0
25
Excess counts/keV
Excess counts/sec
100
50
0
−50
Marked times
Marked times
+2.32918e8
bins
20

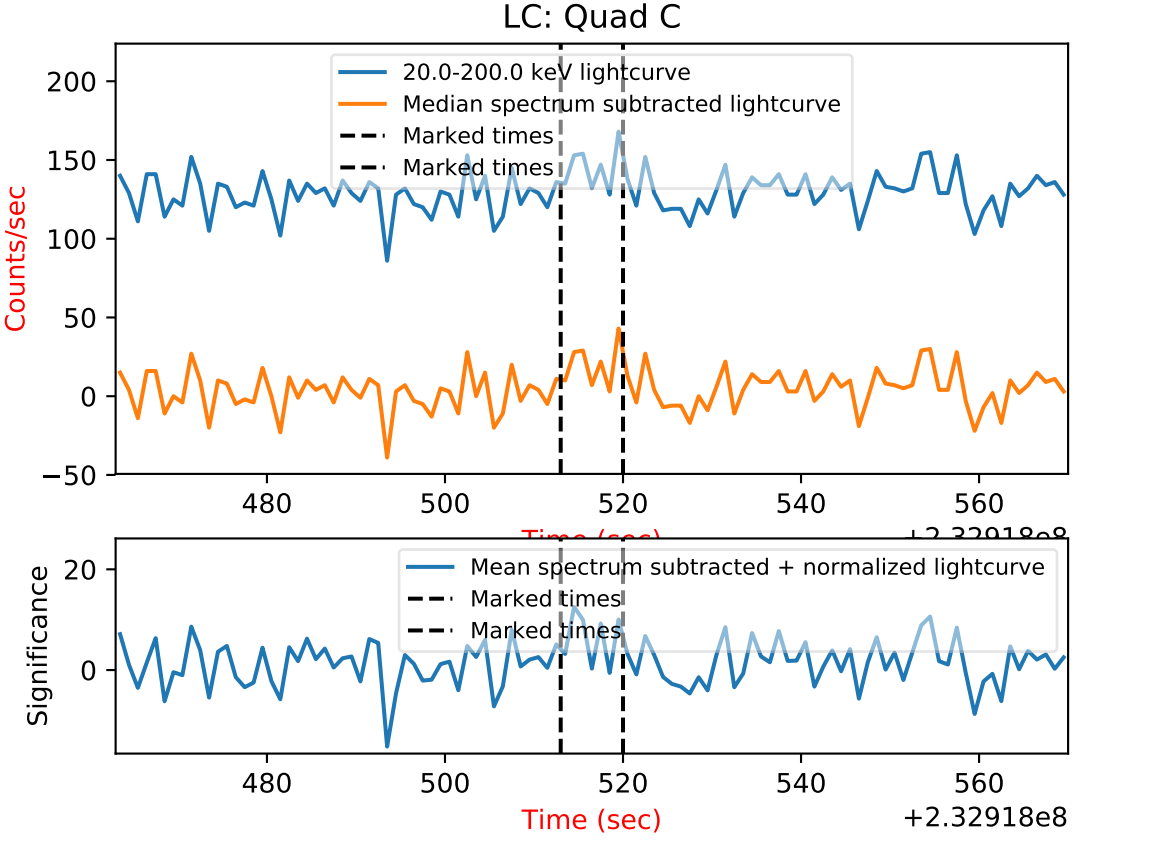

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
+2.32918e8
0
5
Strength/keV
Strength/sec
Marked times
Marked times
20
0
−20
bins

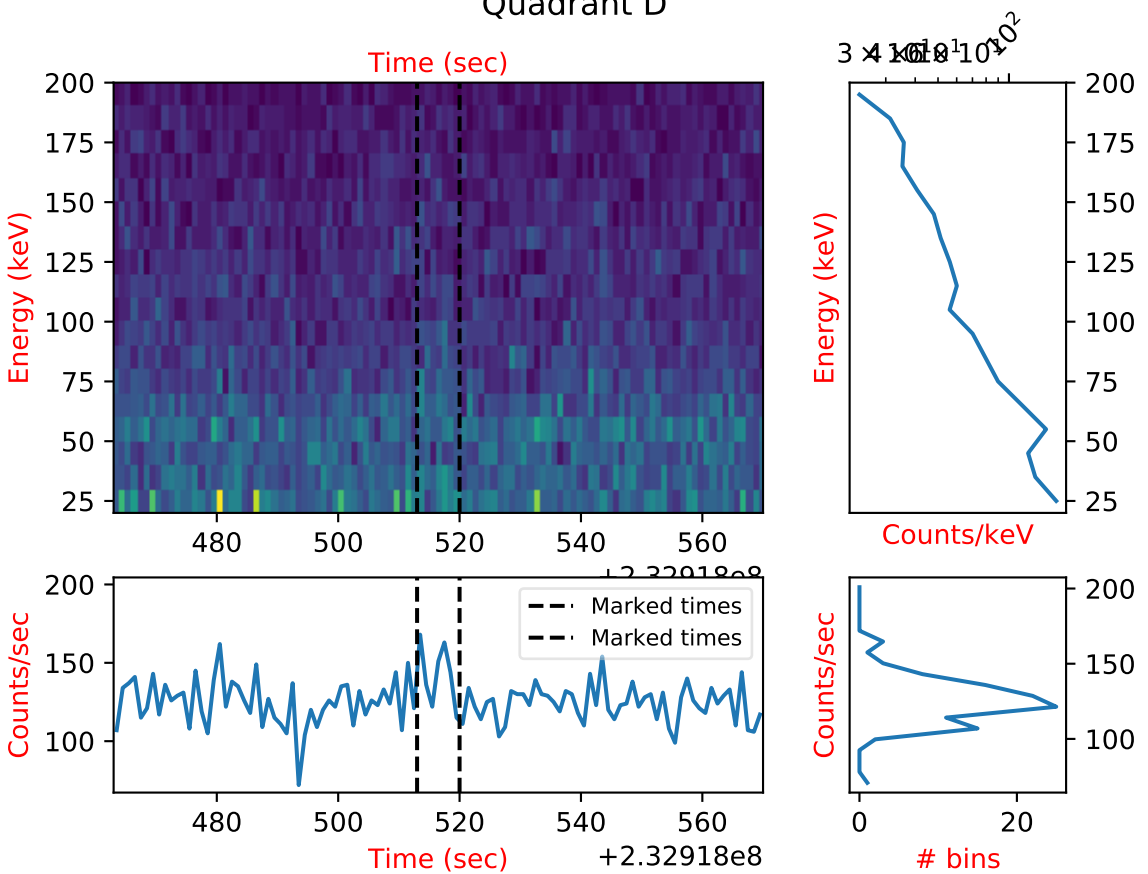

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
480
500
520
540
560
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
−20
Time (sec)
+2.32918e8

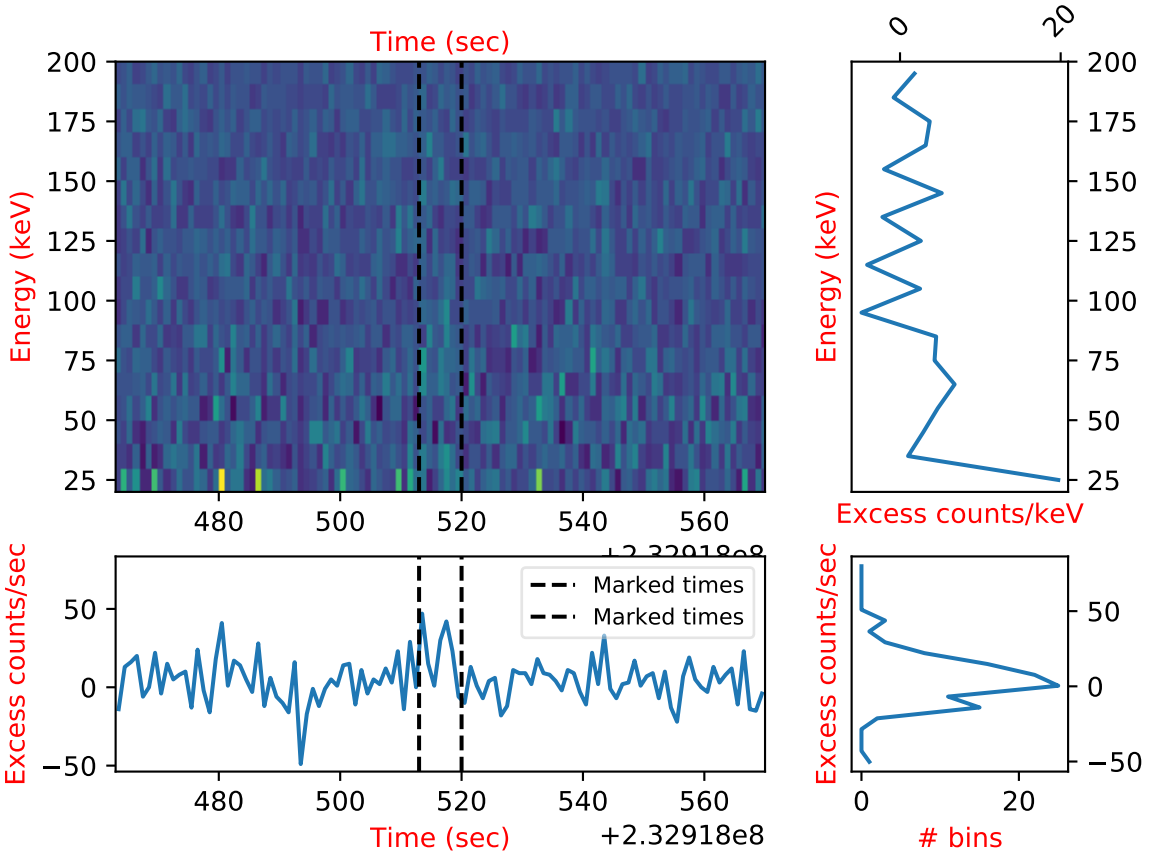

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
Counts/keV
Counts/sec
Marked times
Marked times
150
100
+2.32918e8
0
20
bins

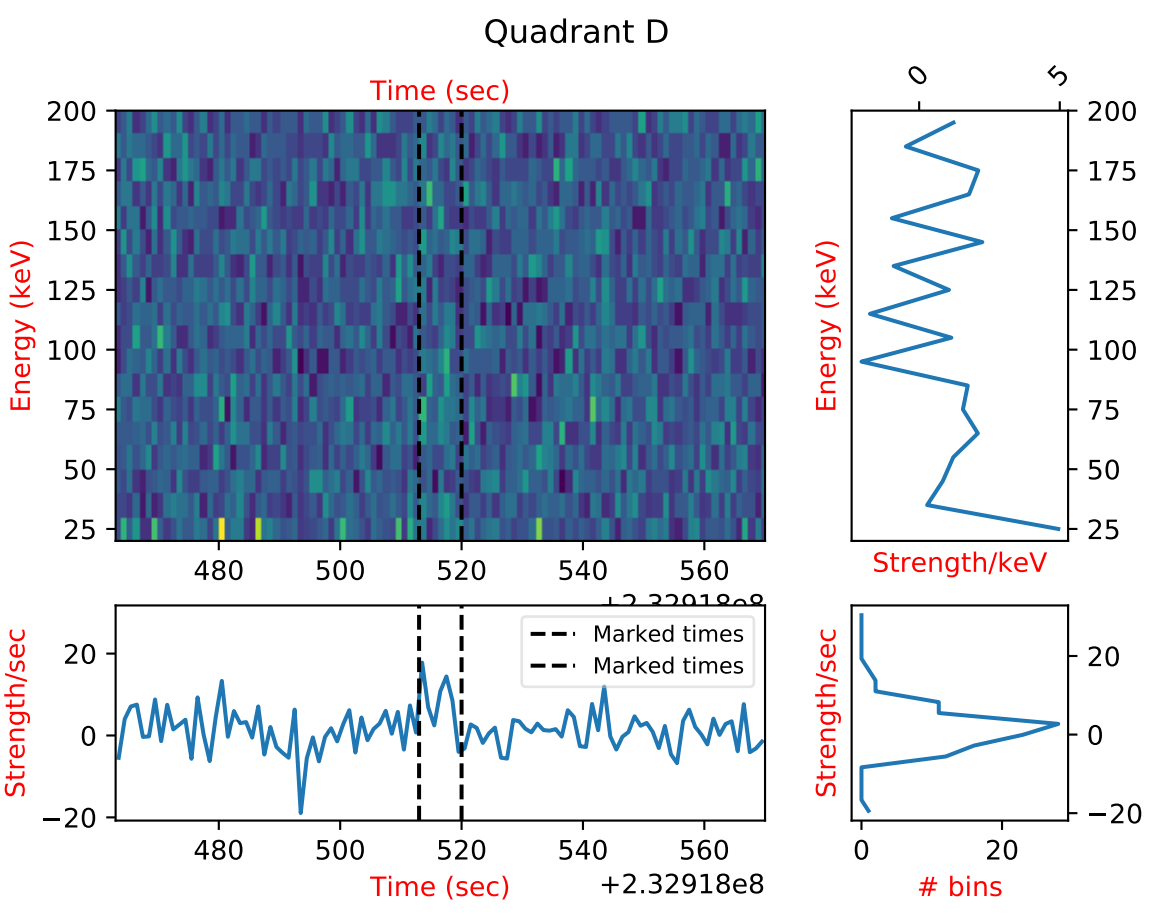

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
+2.32918e8
20
bins

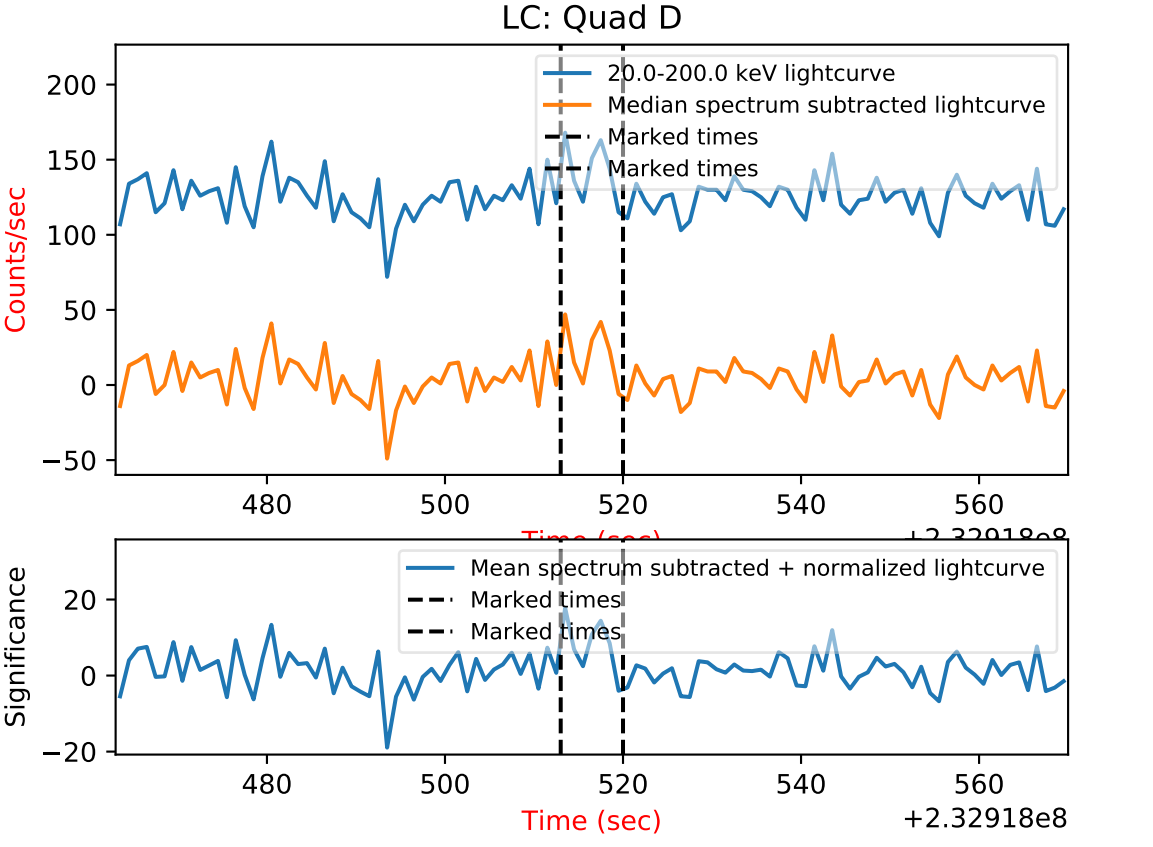

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
+2.32918e8
0
5
Strength/keV
Strength/sec
20
10
0
−10
Marked times
Marked times
Time (sec)
+2.32918e8
bins


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
480
500
520
540
560
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
480
500
520
540
560
Time (sec)
+2.32918e8

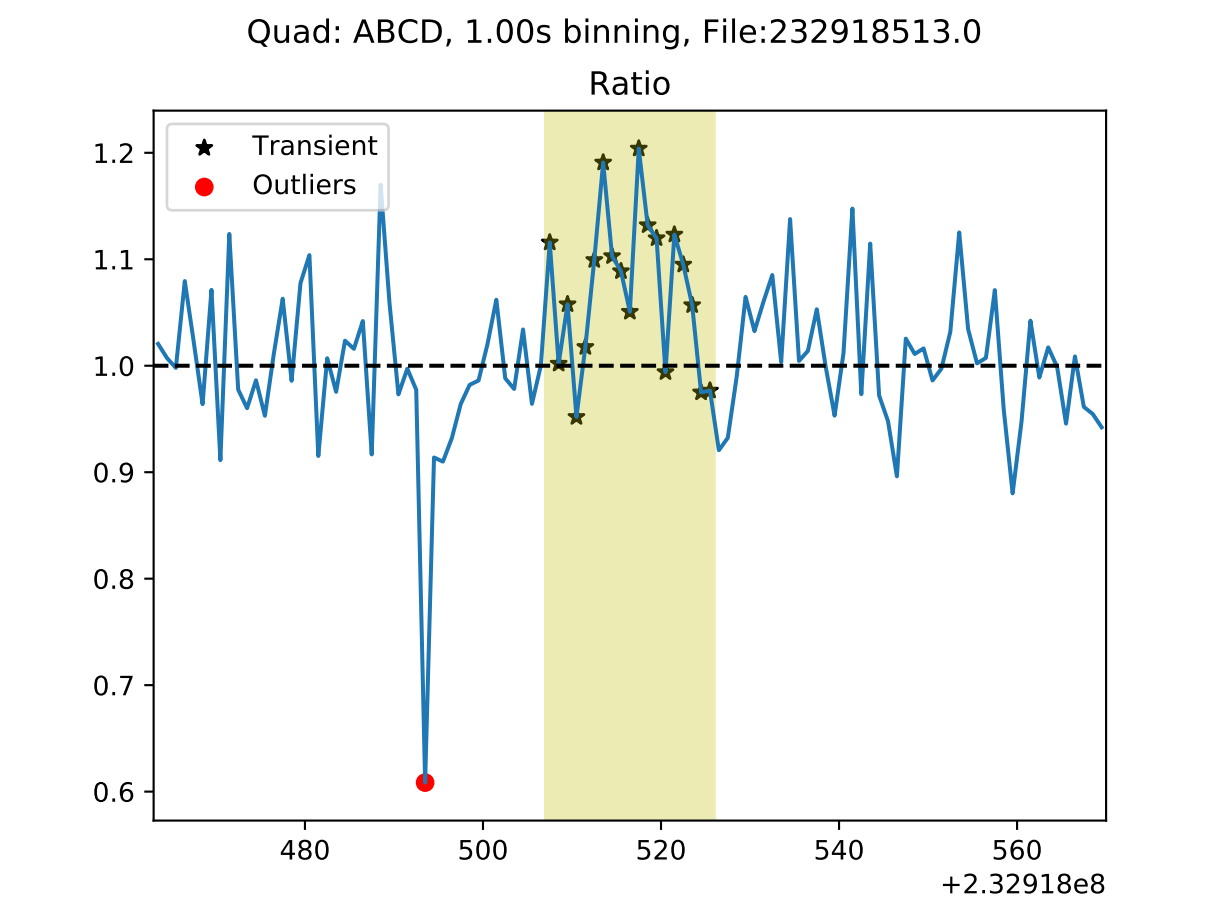

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
Counts/keV
Counts/sec
Marked times
Marked times
+2.32918e8
bins
0
20

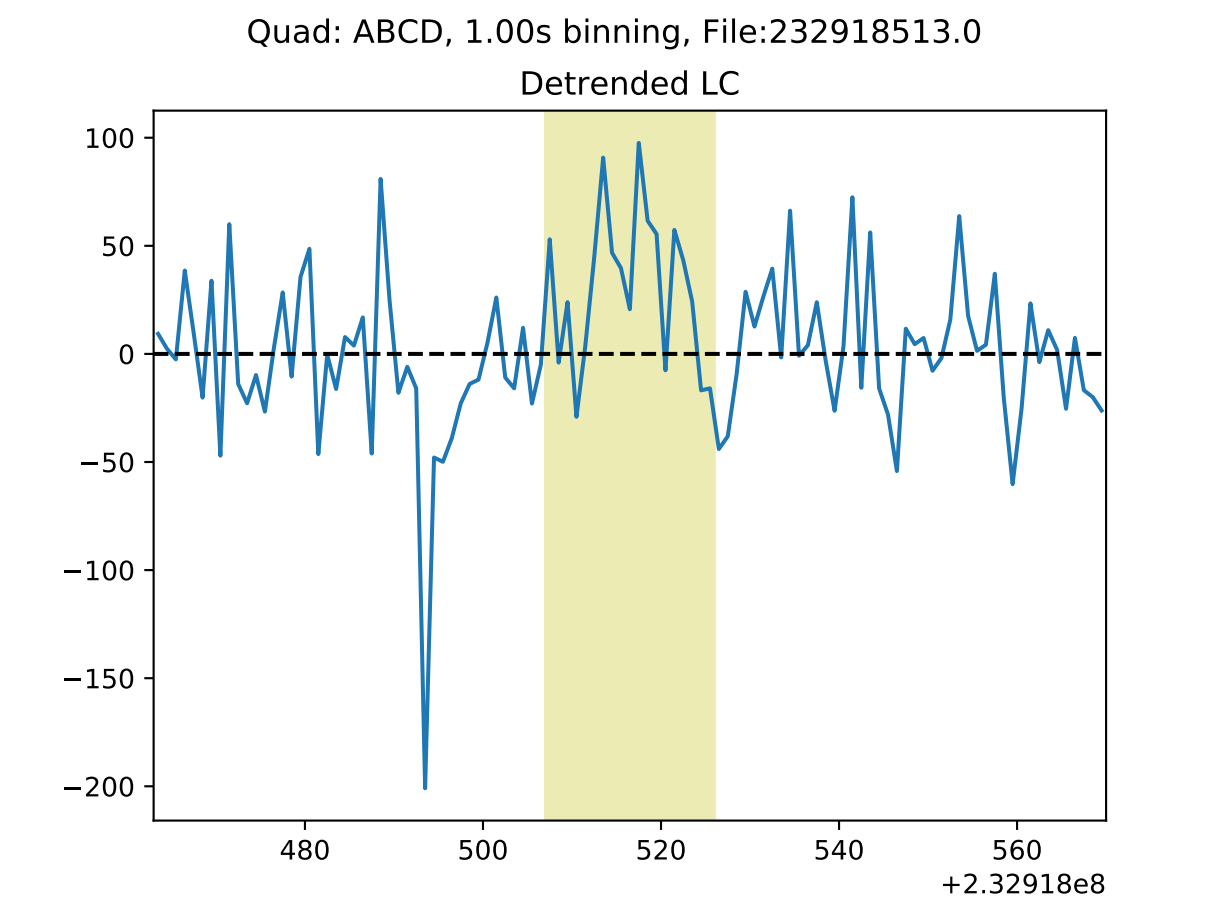

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
0
20
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
−50
+2.32918e8
bins


Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
480
500
520
540
560
+2.32918e8
0
5
Strength/keV
Strength/sec
20
0
−20
Marked times
Marked times
Time (sec)
+2.32918e8
bins

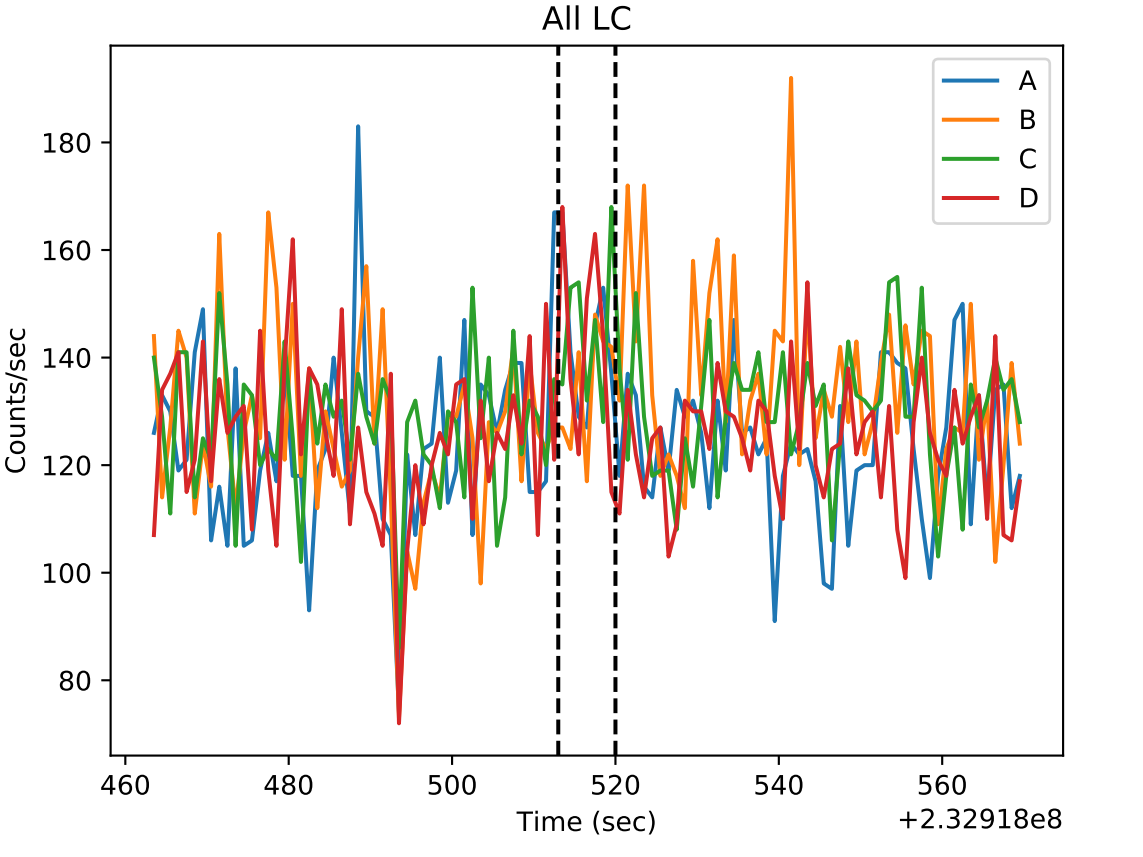

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−50
480
500
520
540
560
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
−20
480
500
520
540
560
Time (sec)
+2.32918e8

Quad: ABCD, 1.00s binning, File:232918513.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
600
550
500
450
400
350
300
480
500
520
540
560
+2.32918e8


Quad: ABCD, 1.00s binning, File:232918513.0
Ratio
Transient
Outliers
1.2
1.1
1.0
0.9
0.8
0.7
0.6
480
500
520
540
560
+2.32918e8


Quad: ABCD, 1.00s binning, File:232918513.0
Detrended LC
100
50
0
−50
−100
−150
−200
480
500
520
540
560
+2.32918e8

Quad: ABCD, 1.00s binning, File:232918513.0
T90 measurement
Without outlier rejection
With outlier rejection
T90 = 21.42
1.5
1.0
0.5
0.0
−0.5
480
500
520
540
560
+2.32918e8


All LC
A
B
C
D
180
160
140
120
100
80
Counts/sec
460
480
500
520
540
560
Time (sec)
+2.32918e8