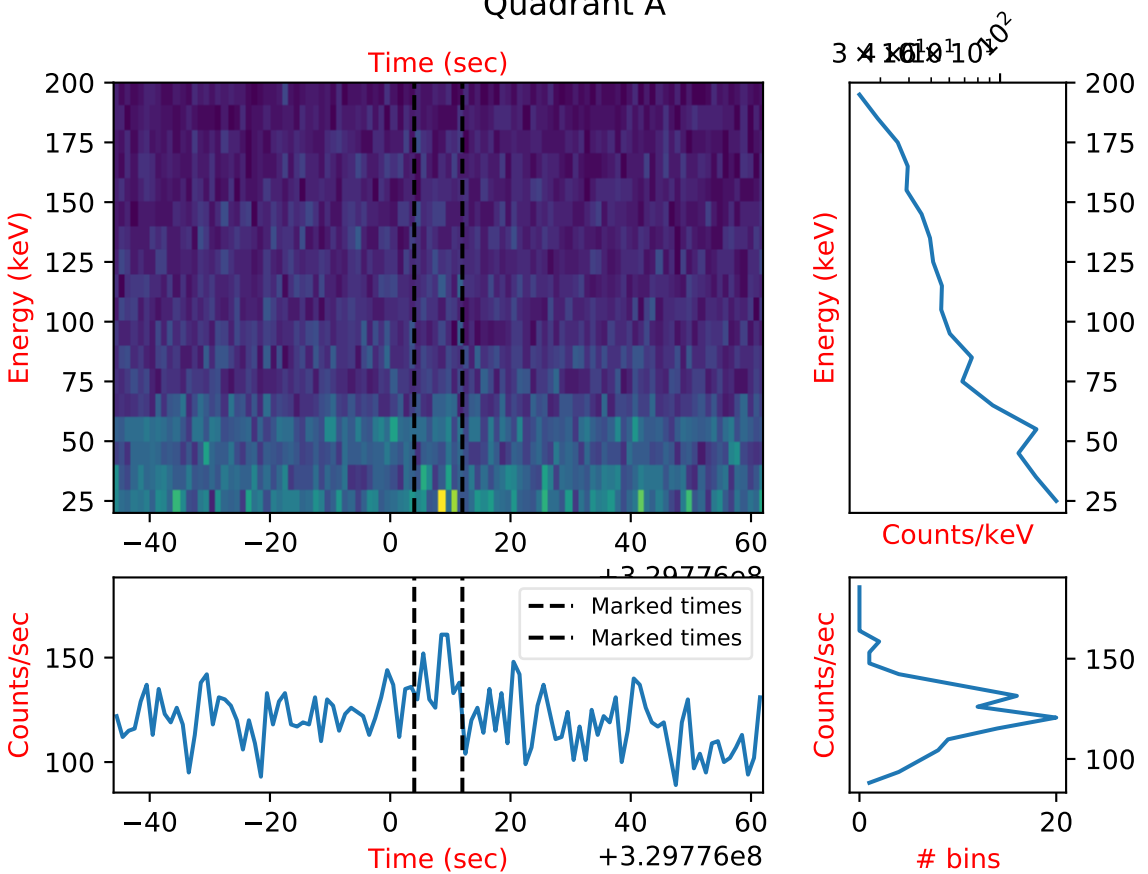
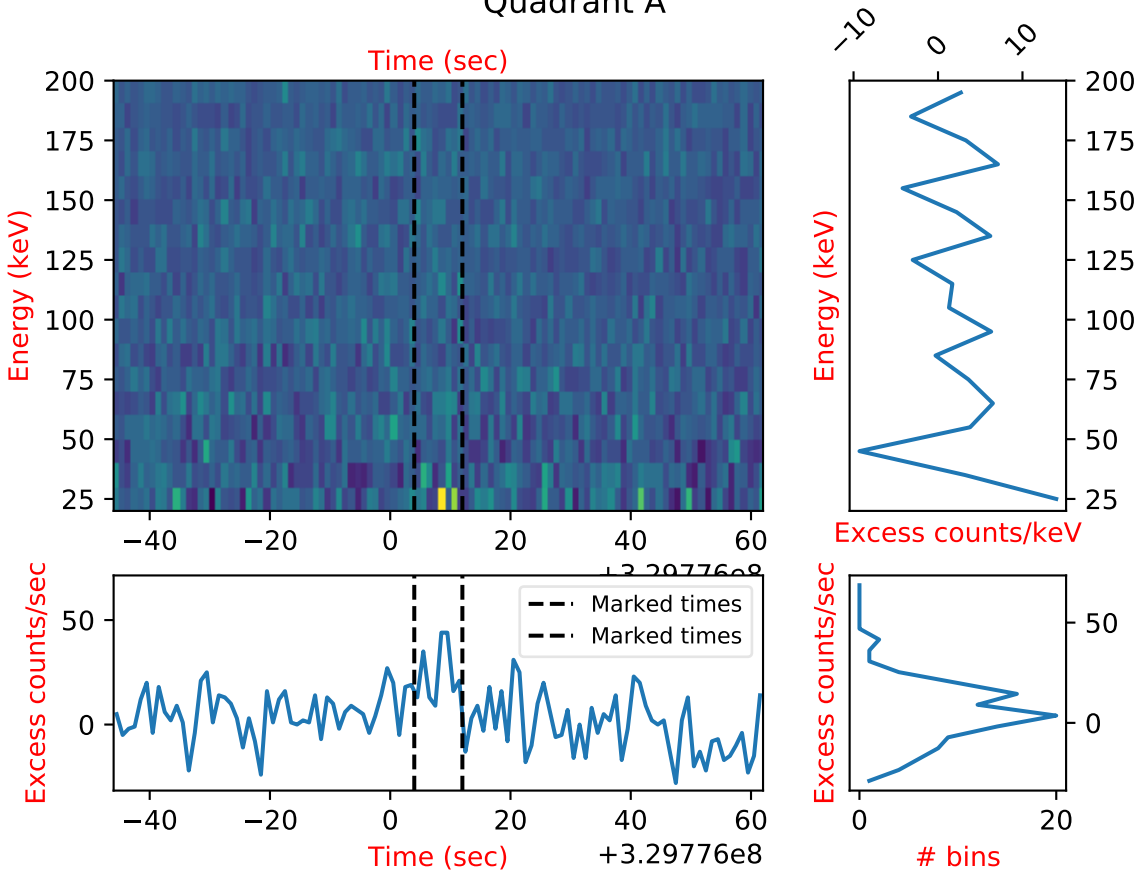
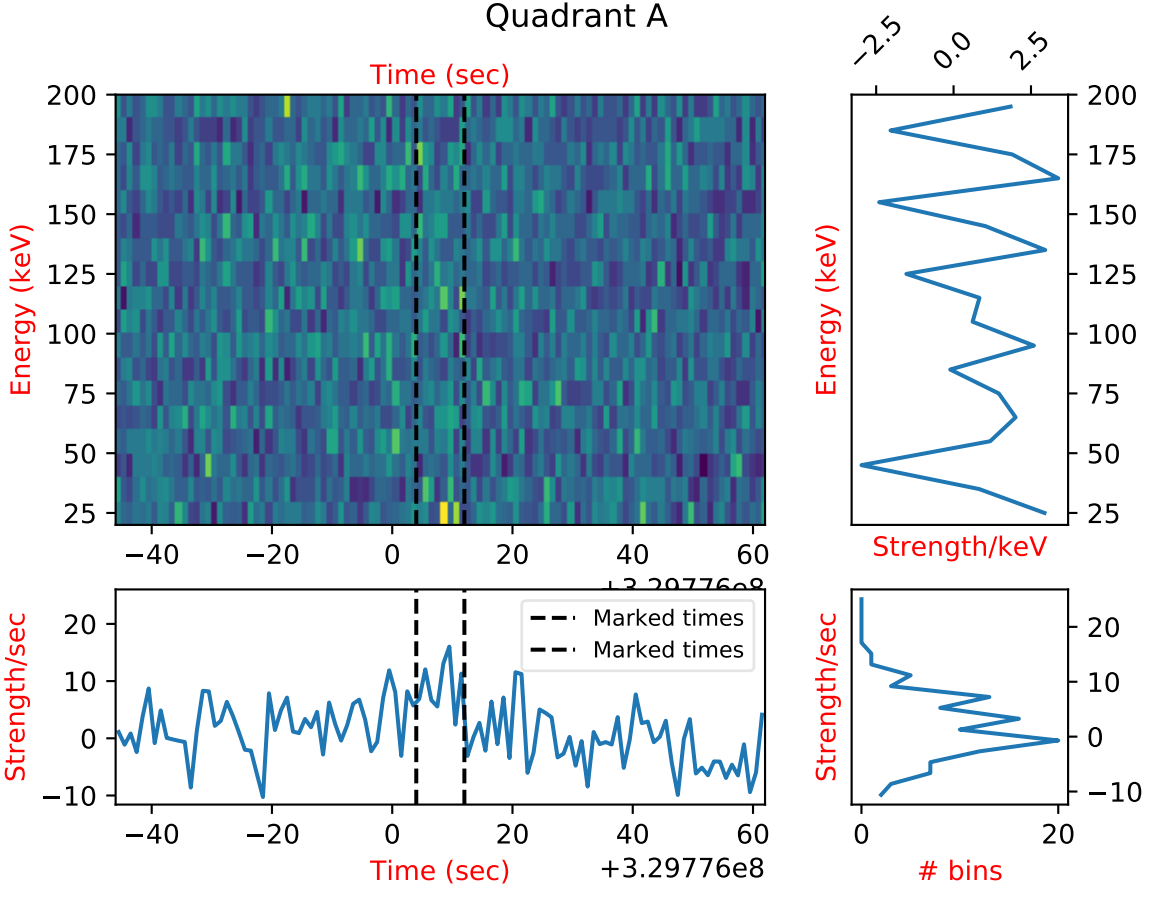
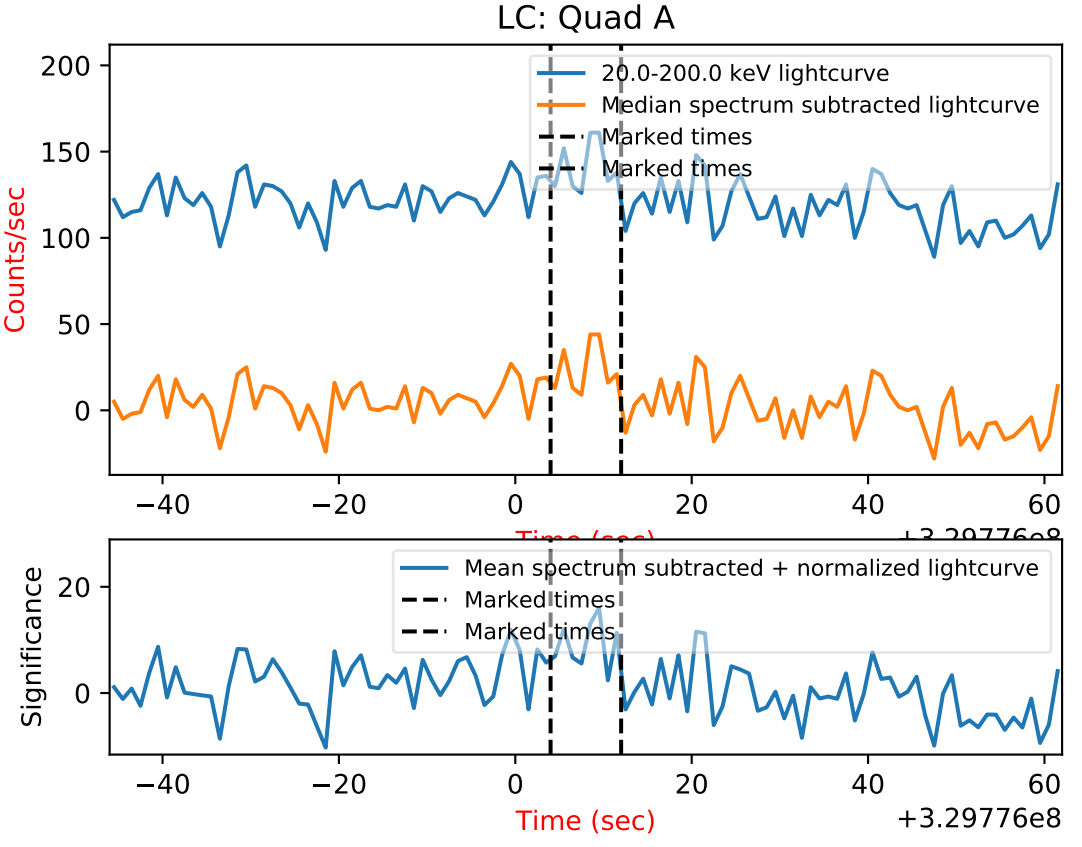
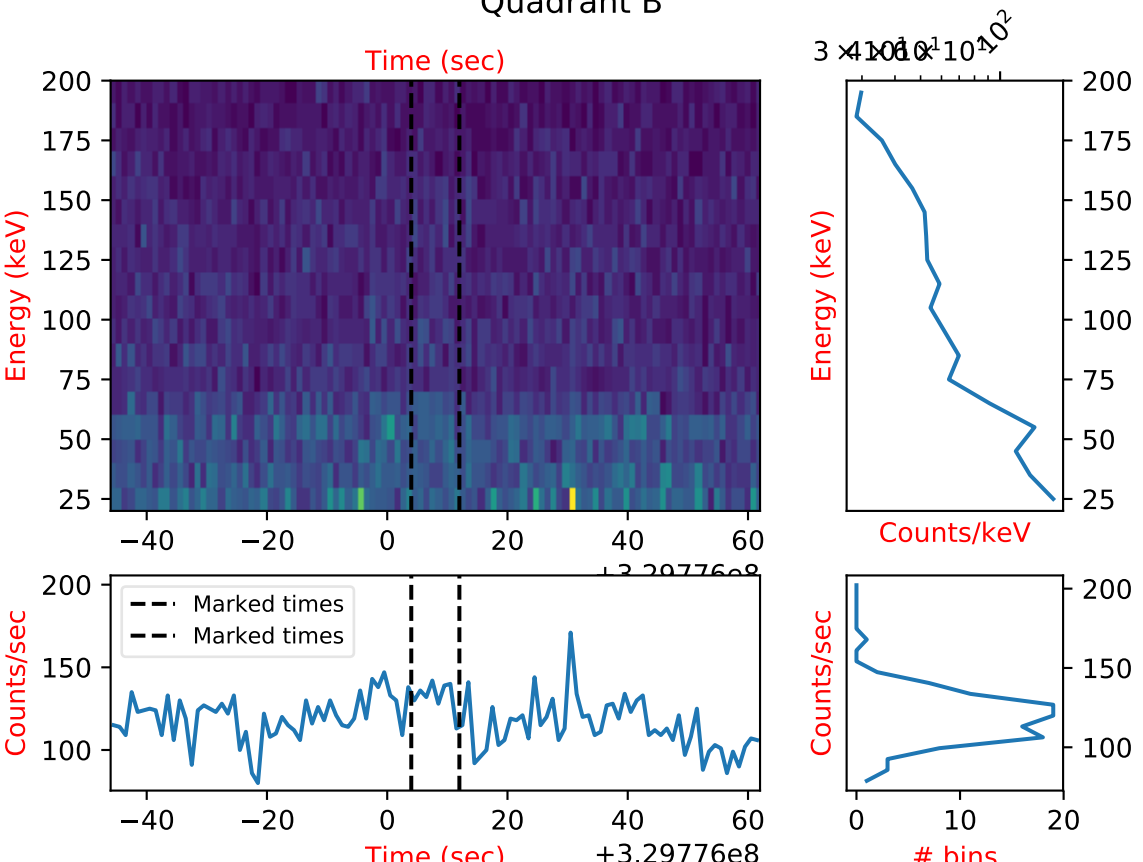
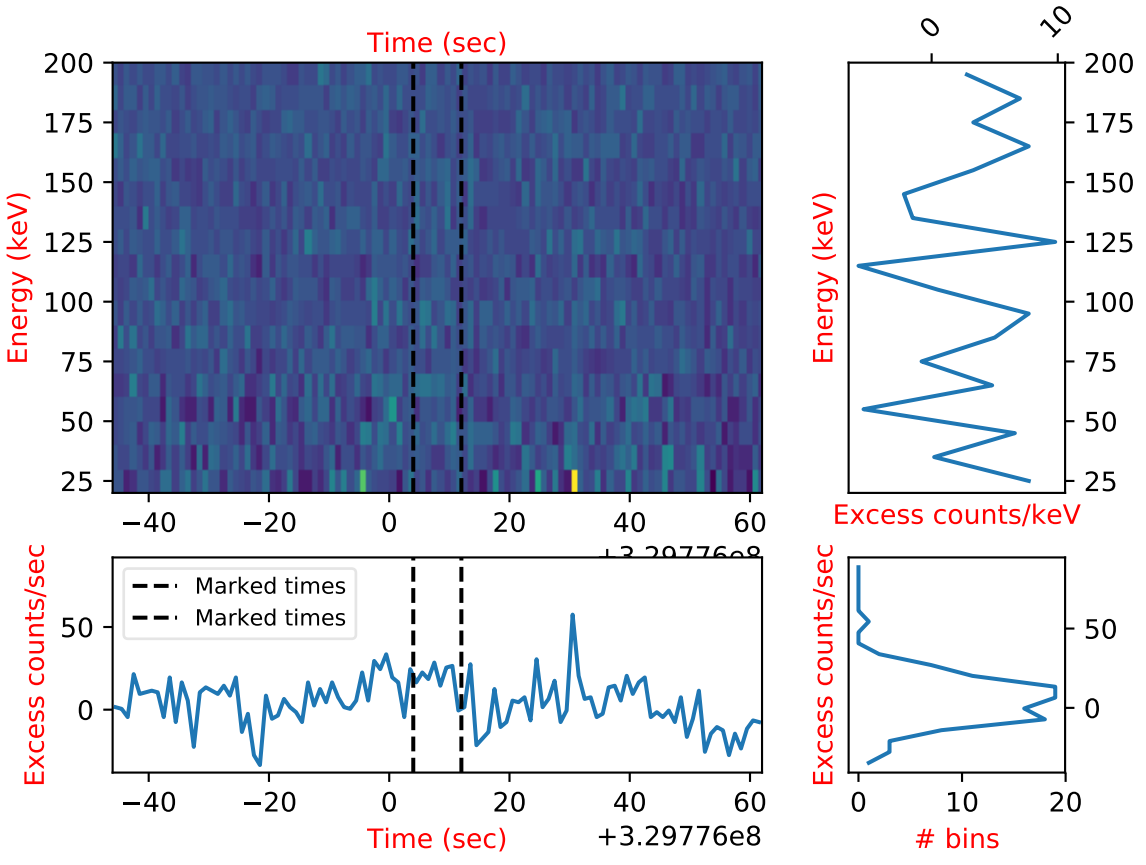

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
−40
−20
0
20
40
60
+3.29776e8
Counts/keV
Counts/sec
Marked times
Marked times
150
100
Time (sec)
+3.29776e8
bins
0
20

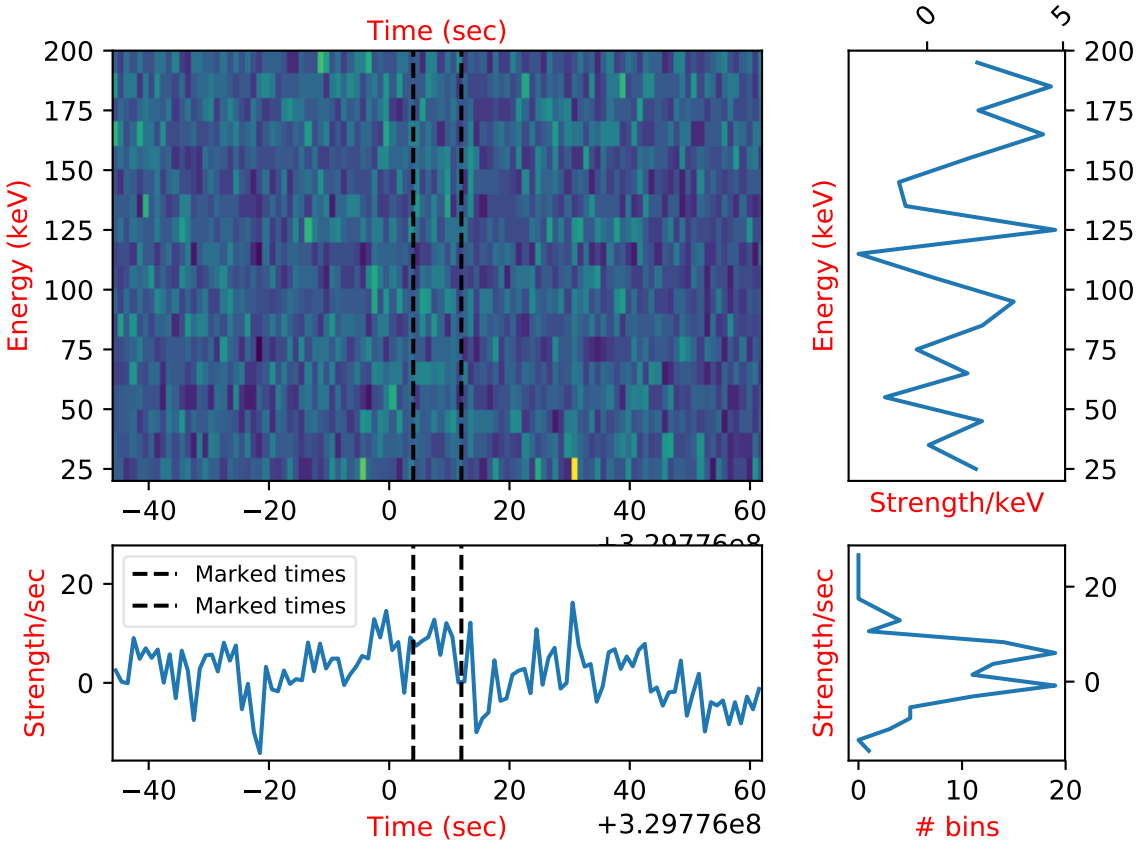

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
−40
−20
0
20
40
60
−10
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+3.29776e8
bins

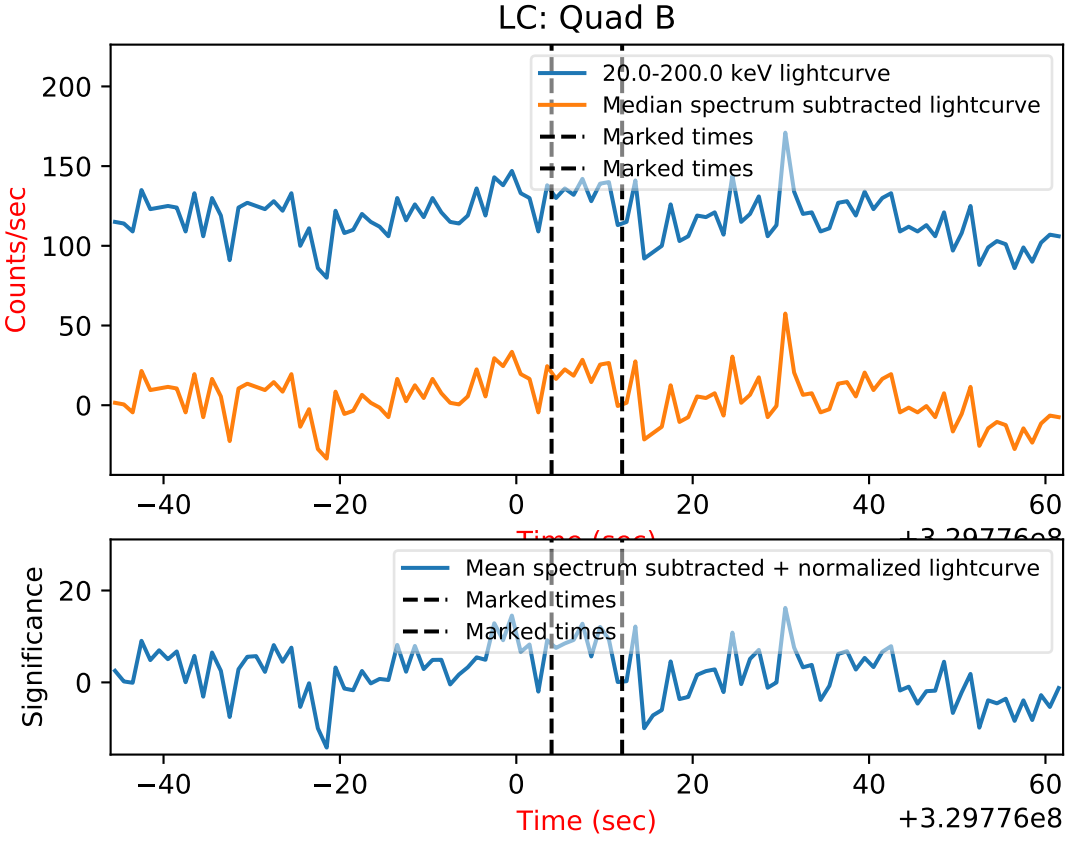

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
−40
−20
0
20
40
60
−2.5
0.0
2.5
Strength/keV
Strength/sec
Marked times
Marked times
+3.29776e8
bins

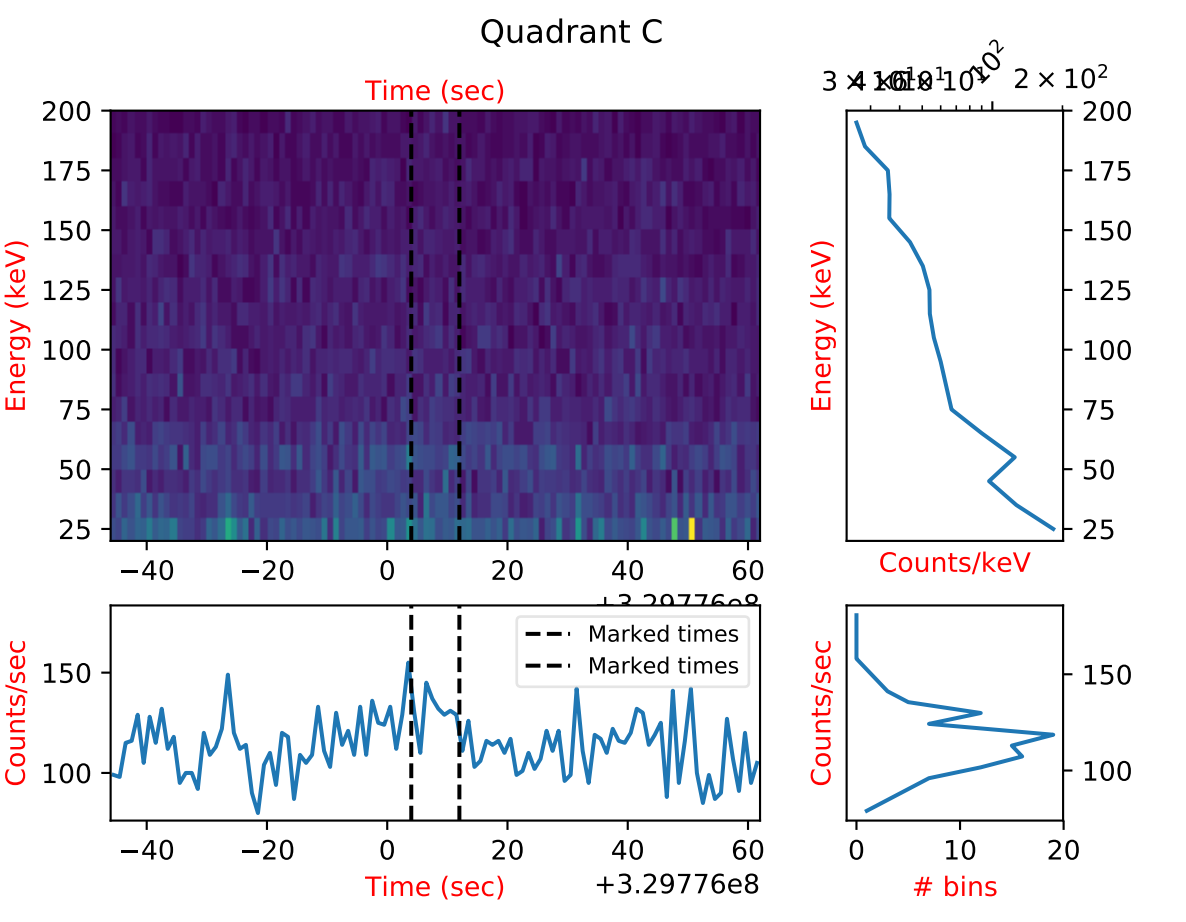

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−40
−20
0
20
40
60
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+3.29776e8

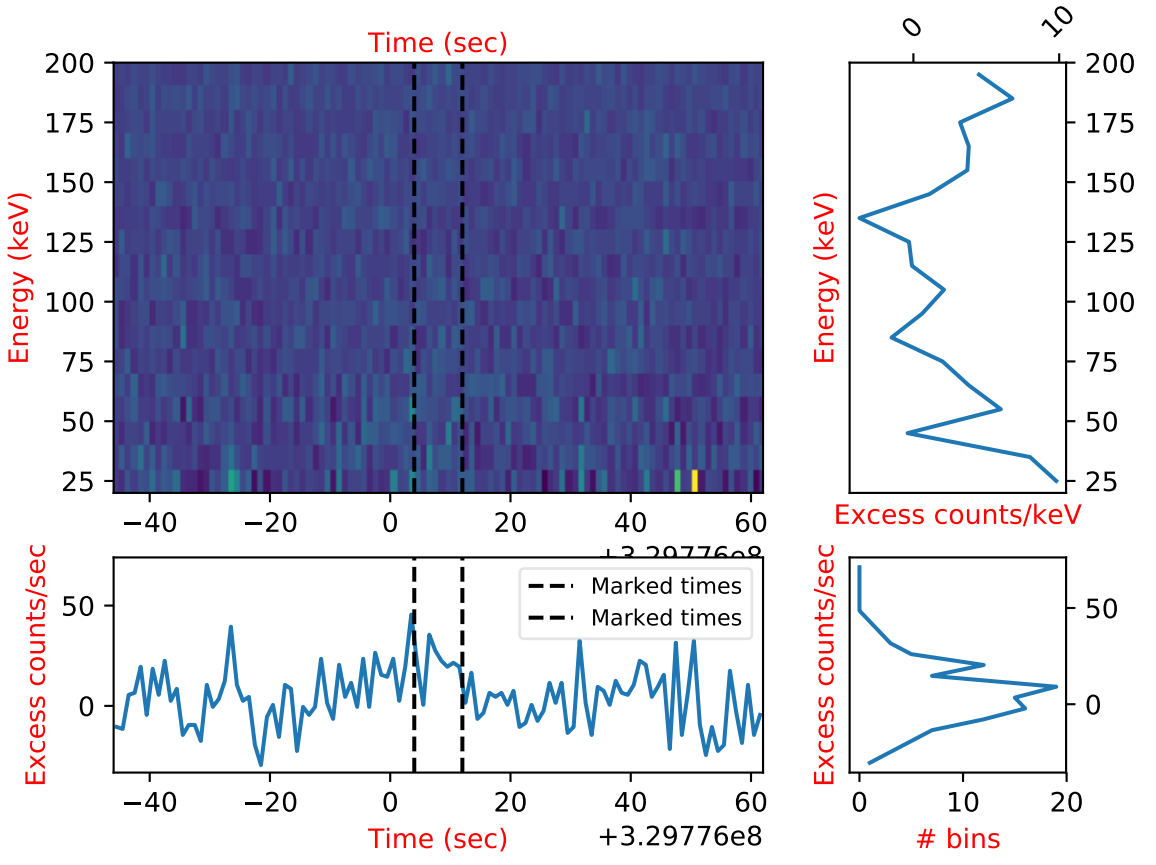

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
−40
−20
0
20
40
60
Counts/keV
Marked times
Marked times
Counts/sec
Time (sec)
+3.29776e8
bins
0
10
20

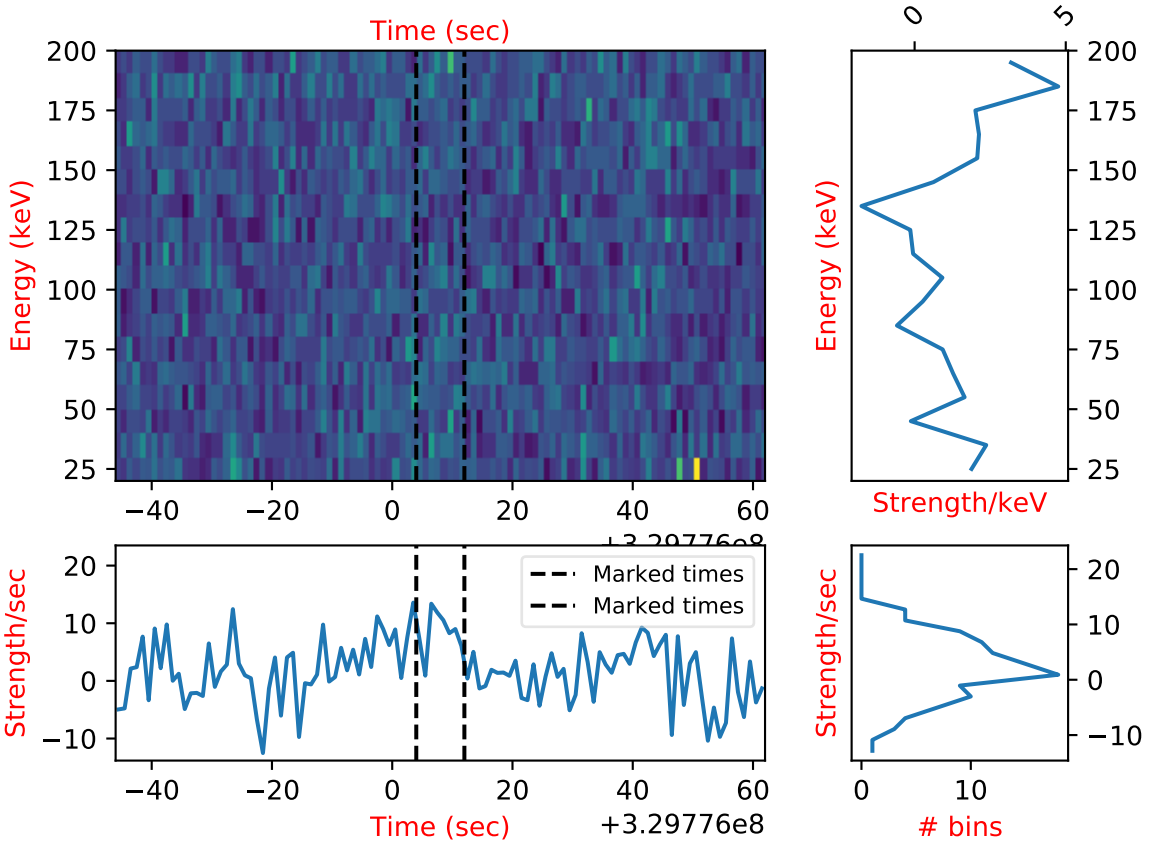

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
−40
−20
0
20
40
60
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
+3.29776e8
bins
20

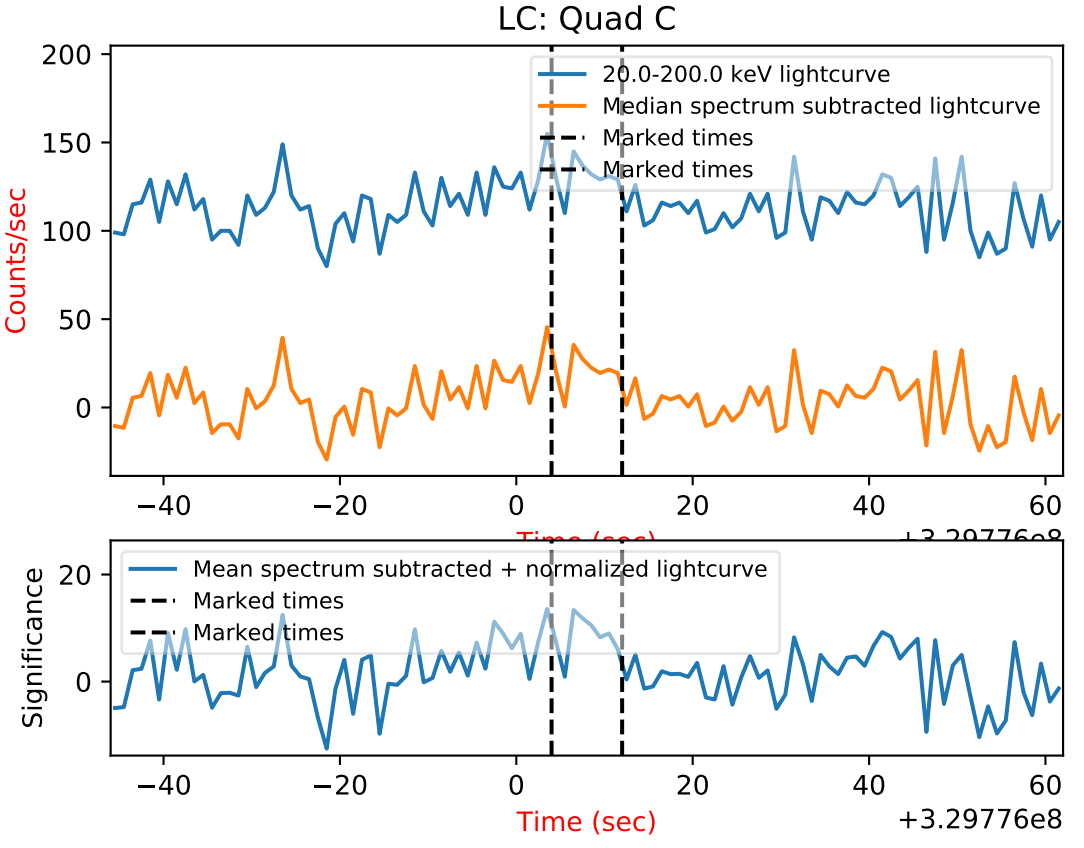

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
−40
−20
0
20
40
60
+3.29776e8
0
5
Strength/keV
Strength/sec
Marked times
Marked times
20
0
Time (sec)
+3.29776e8
bins
10

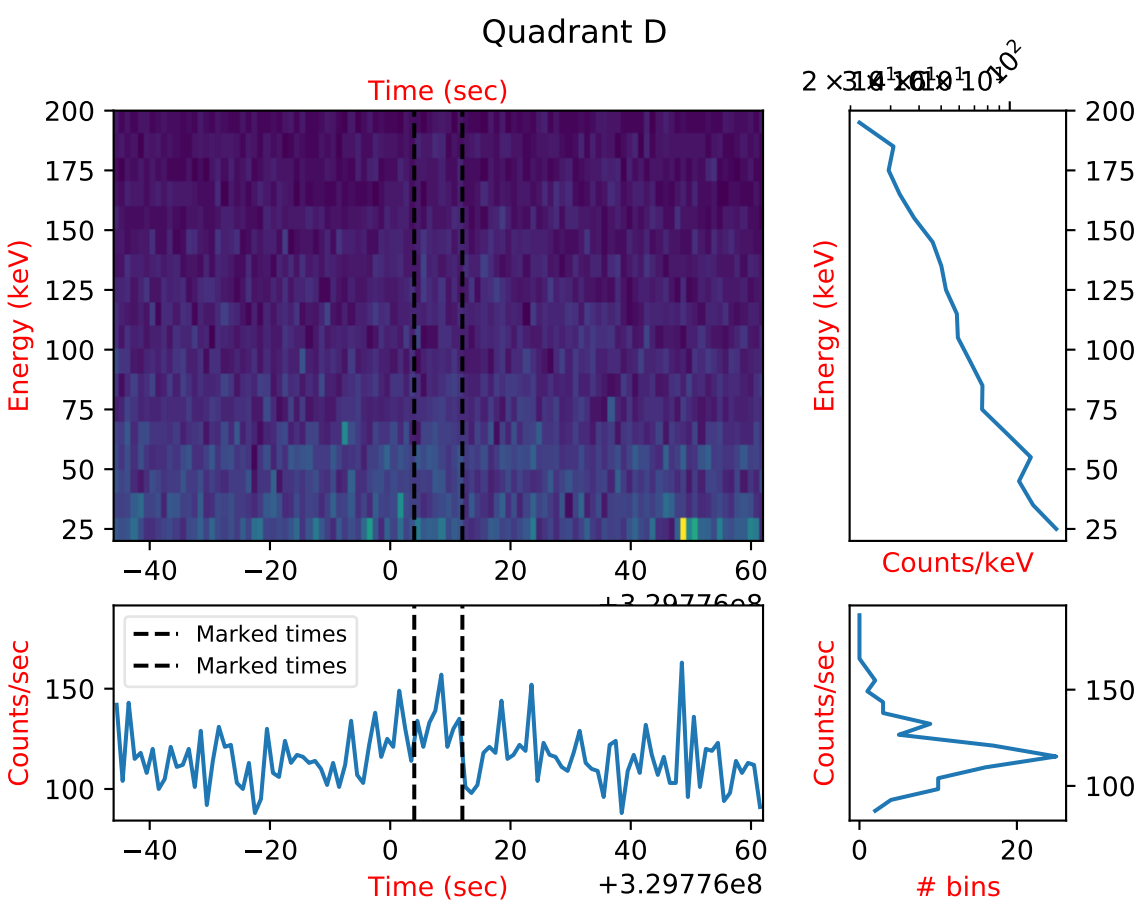

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−40
−20
0
20
40
60
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+3.29776e8

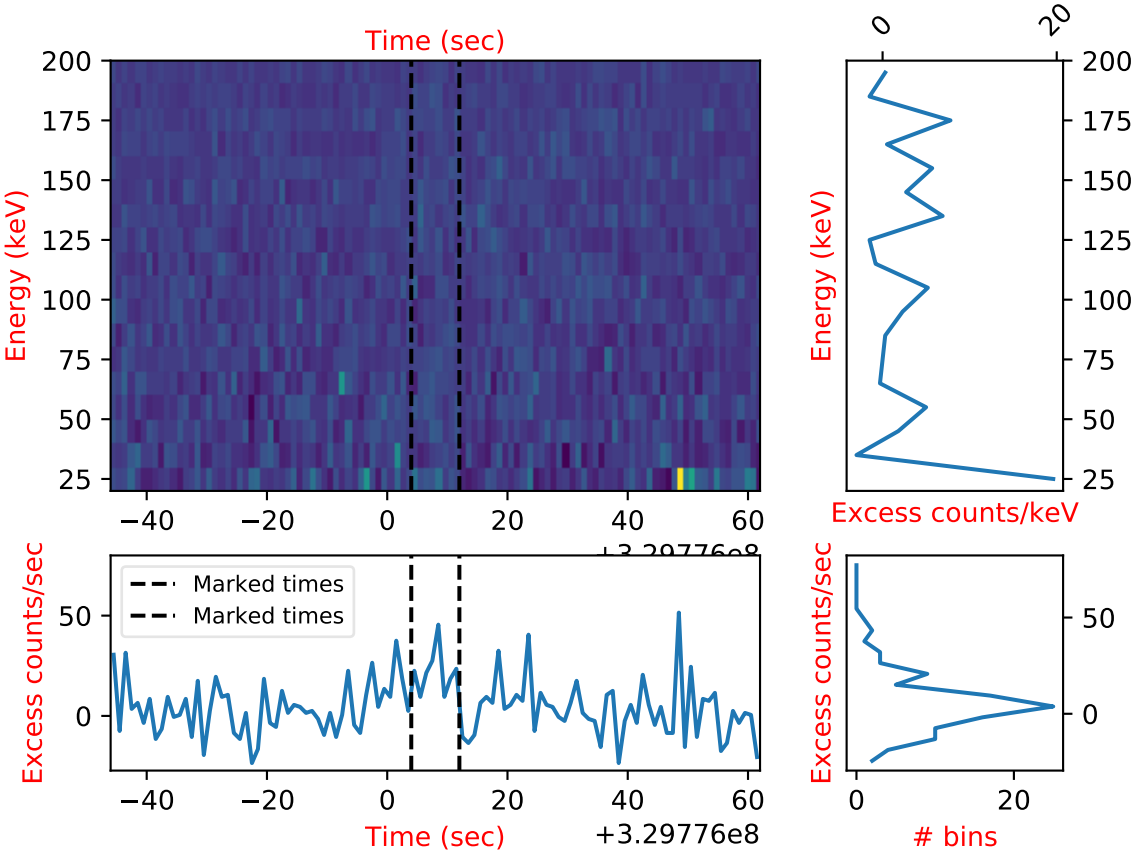

Quadrant C
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
bins
Marked times
Marked times
+3.29776e8

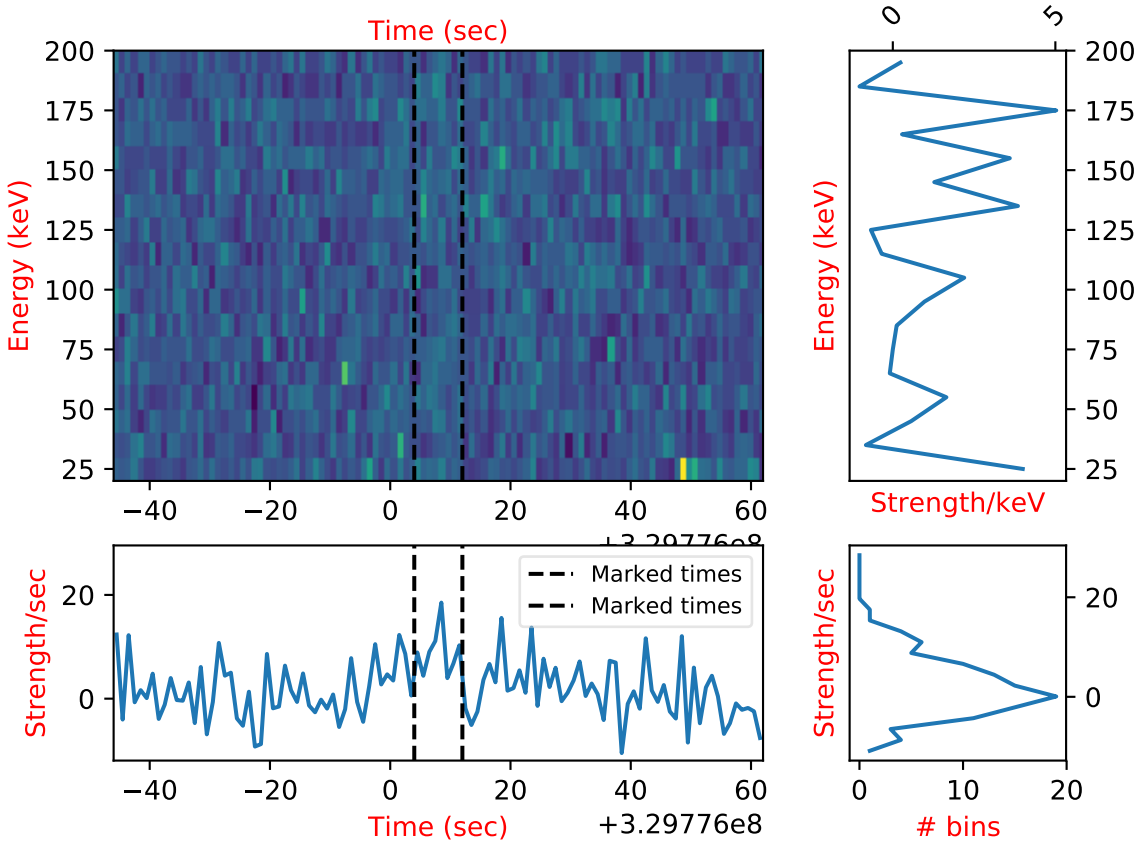

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
−40
−20
0
20
40
60
0
10
Excess counts/keV
Excess counts/sec
50
0
Marked times
Marked times
+3.29776e8
bins
20

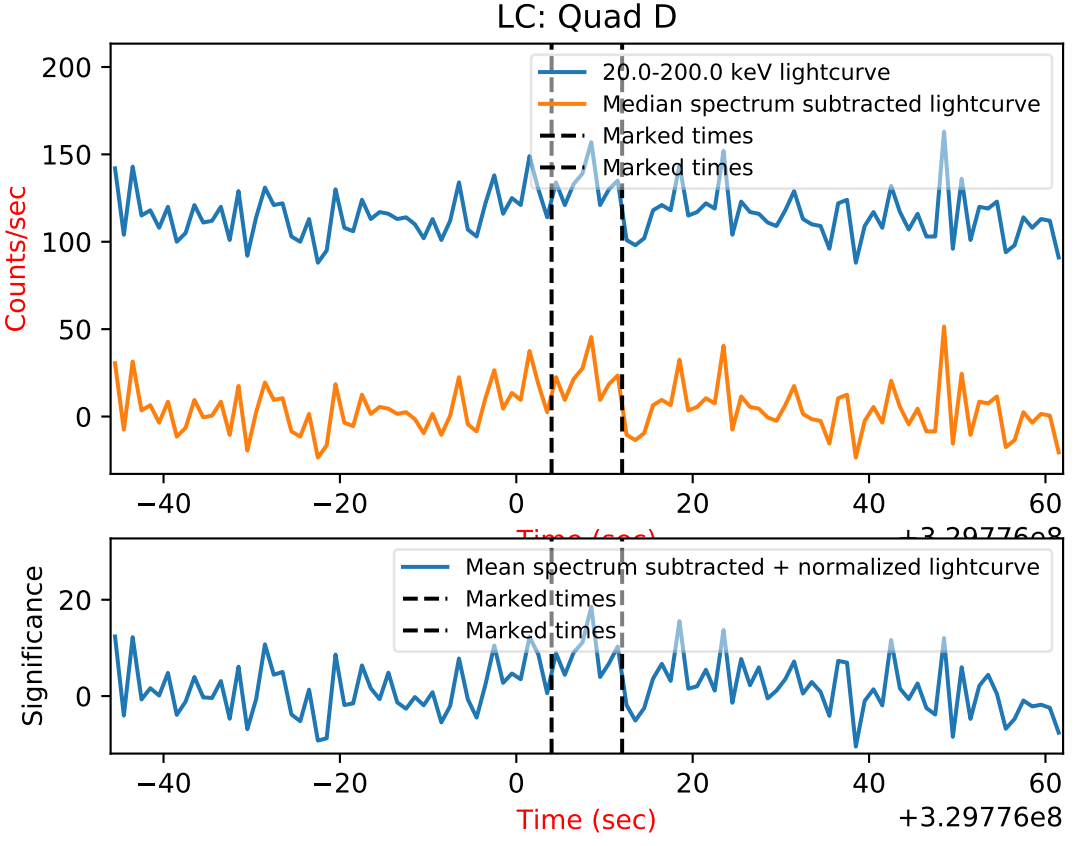

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
−40
−20
0
20
40
60
0
5
Strength/keV
Strength/sec
20
10
0
−10
Marked times
Marked times
+3.29776e8
bins

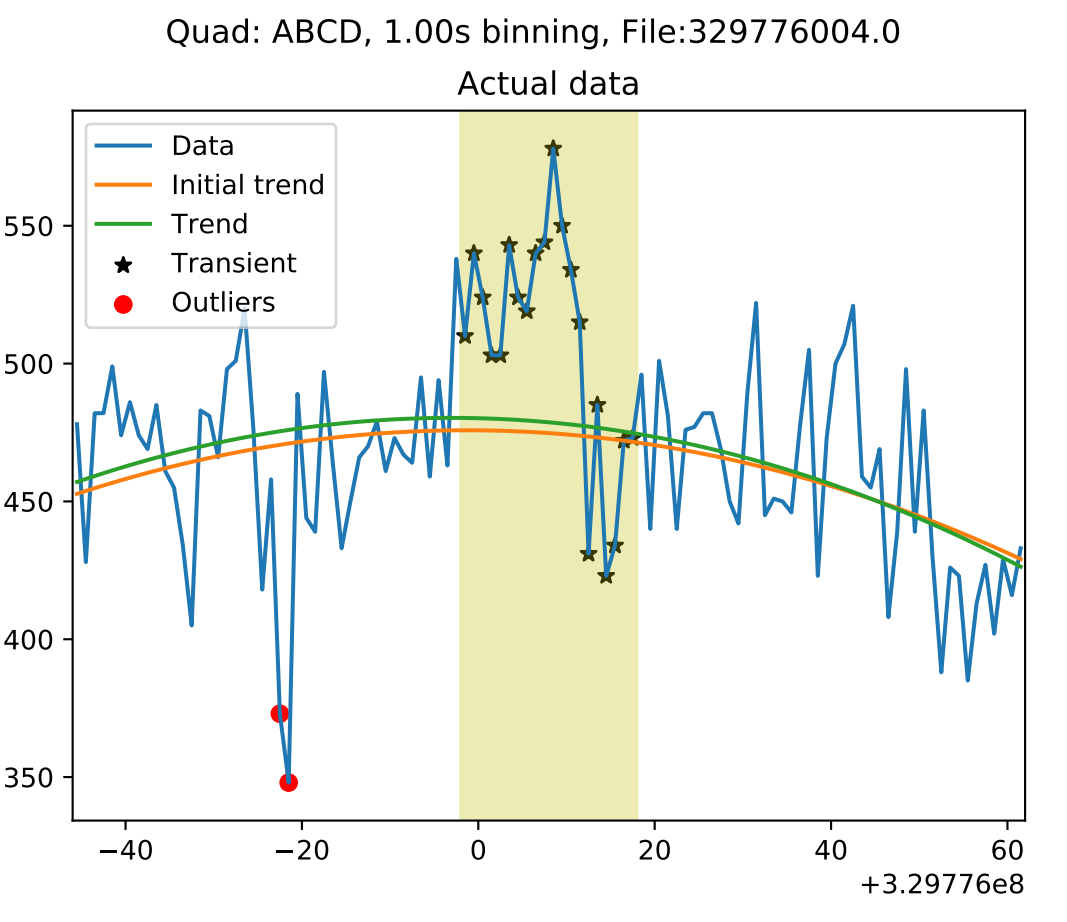

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−40
−20
0
20
40
60
+3.29776e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+3.29776e8

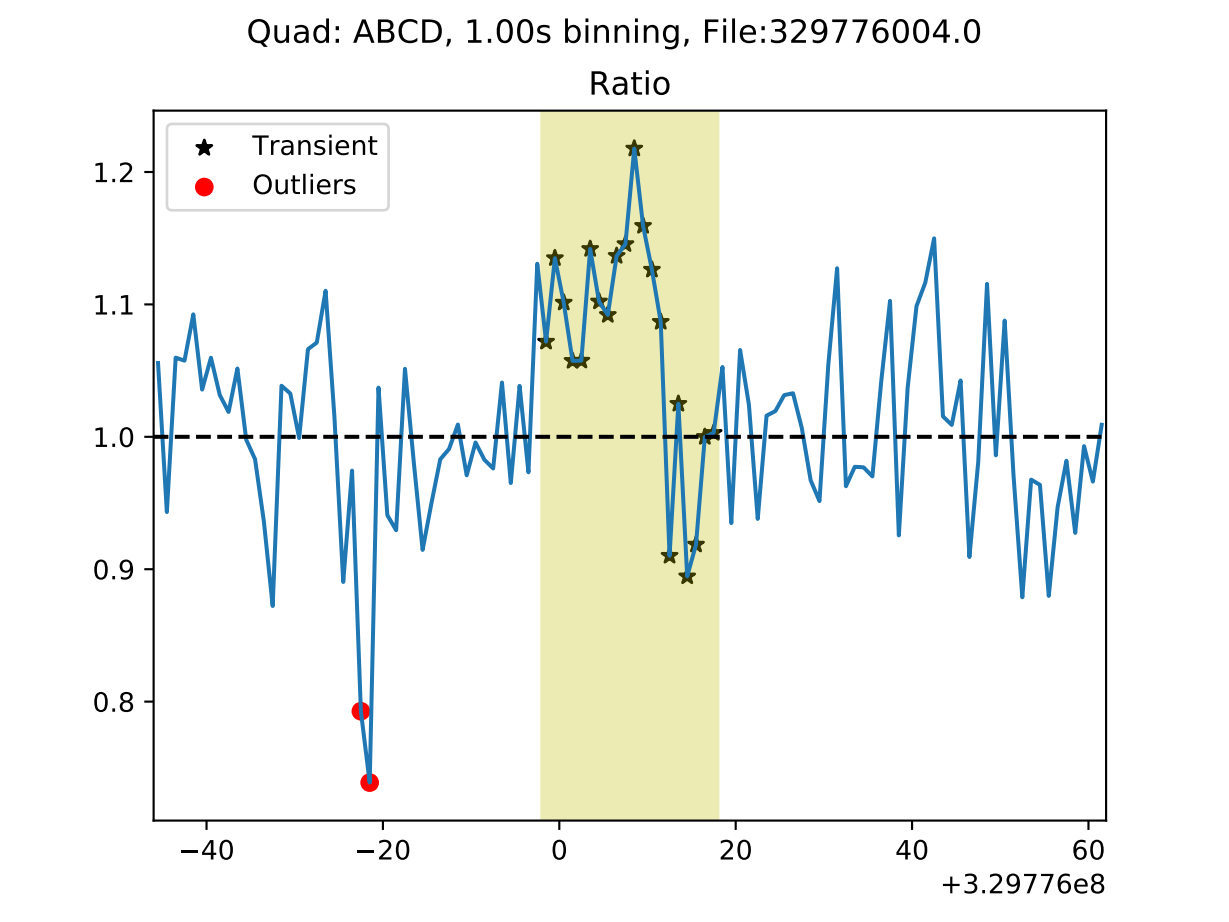

Quadrant D
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+3.29776e8
bins

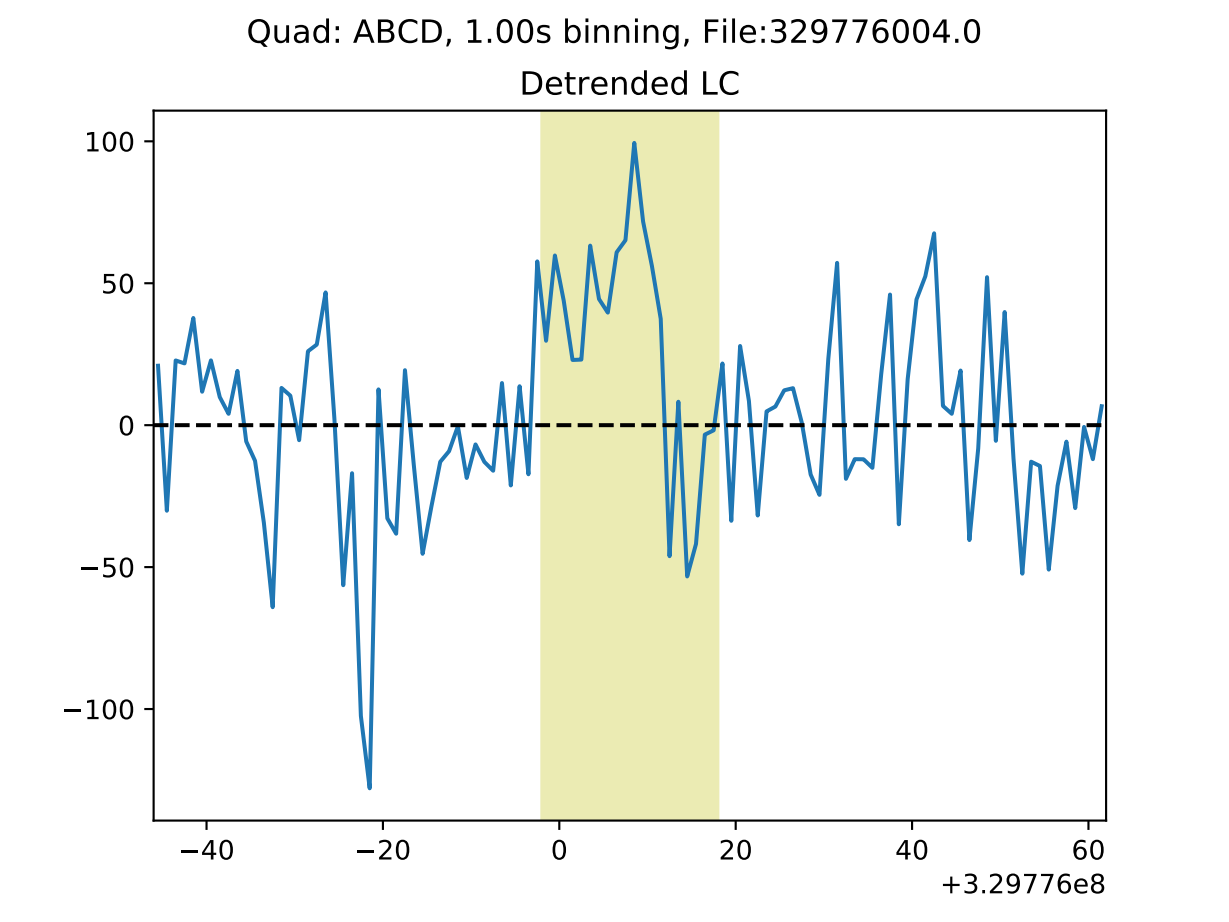

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
−40
−20
0
20
40
60
0
20
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
+3.29776e8
bins


Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
−40
−20
0
20
40
60
0
5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
+3.29776e8
10
bins

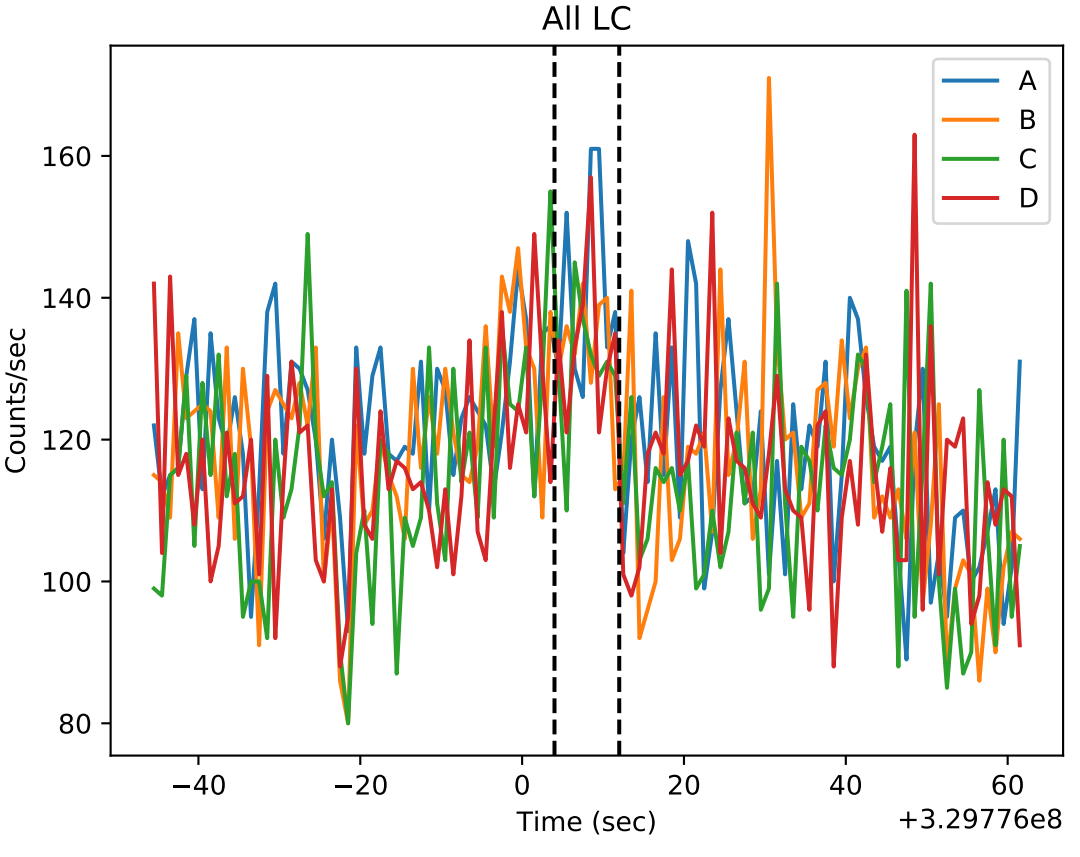

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−40
−20
0
20
40
60
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+3.29776e8


Quad: ABCD, 1.00s binning, File:329776004.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
550
500
450
400
350
−40
−20
0
20
40
60
+3.29776e8


Quad: ABCD, 1.00s binning, File:329776004.0
Ratio
Transient
Outliers
1.2
1.1
1.0
0.9
0.8
−40
−20
0
20
40
60
+3.29776e8


Quad: ABCD, 1.00s binning, File:329776004.0
Detrended LC
100
50
0
−50
−100
−40
−20
0
20
40
60
+3.29776e8

Quad: ABCD, 1.00s binning, File:329776004.0
T90 measurement
1.5
1.0
0.5
0.0
−0.5
−1.0
−40
−20
0
20
40
60
+3.29776e8
Without outlier rejection
With outlier rejection
T90 = 9.65


All LC
A
B
C
D
160
140
120
100
80
Counts/sec
−40
−20
0
20
40
60
Time (sec)
+3.29776e8