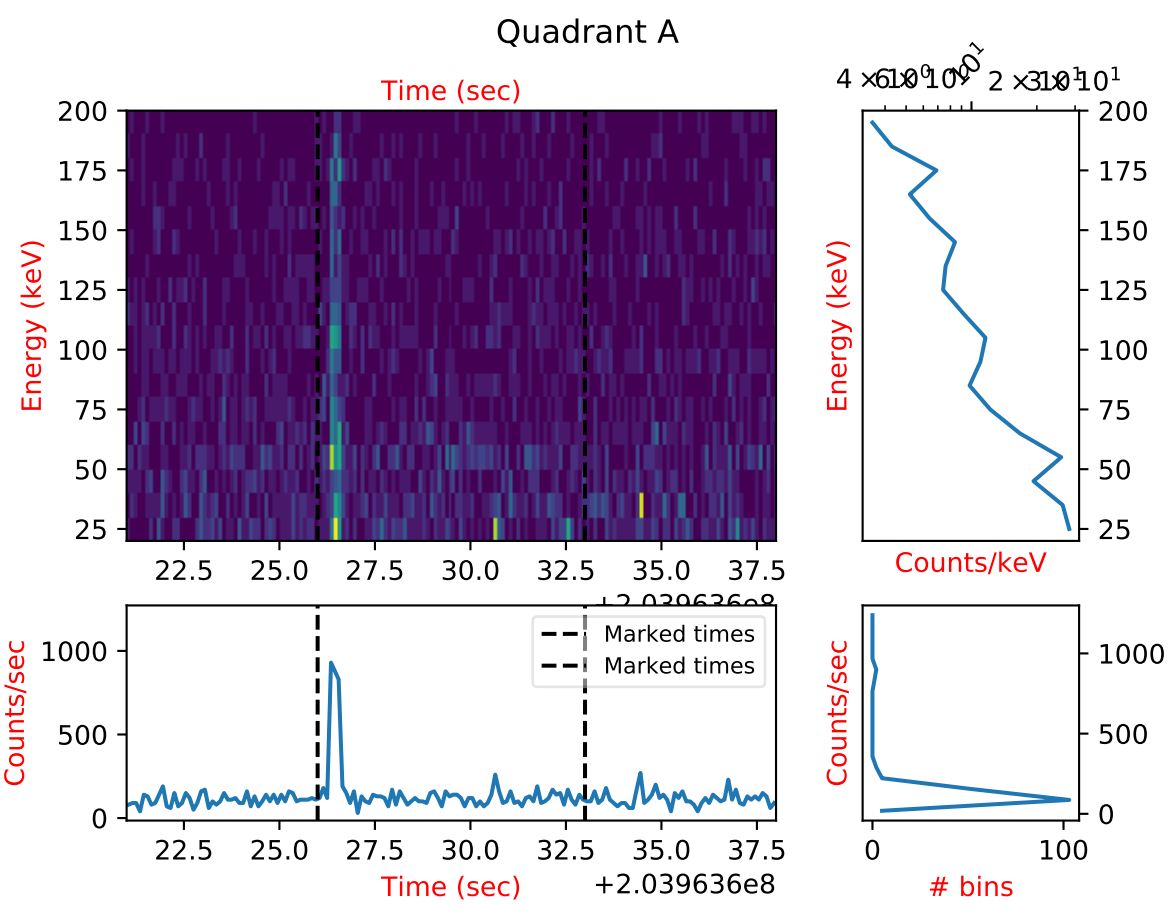
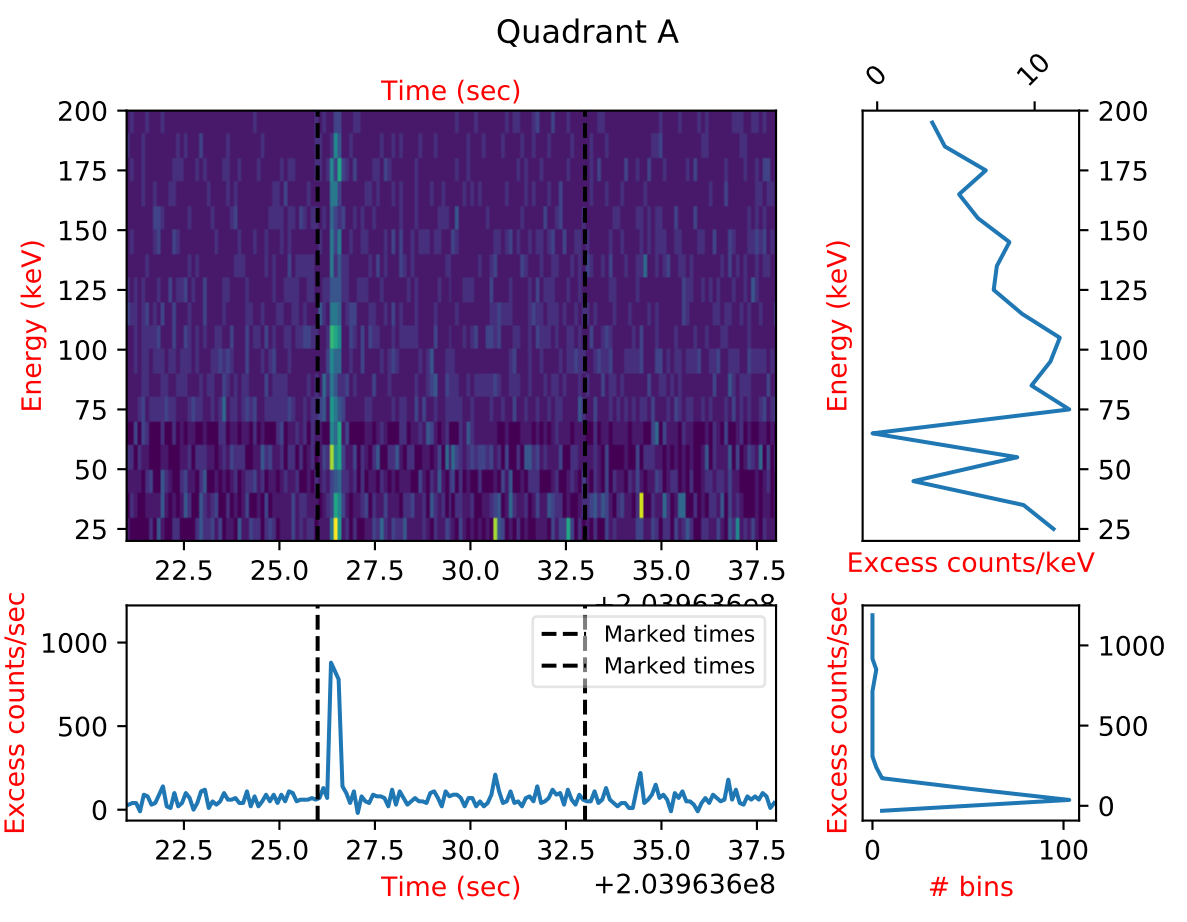
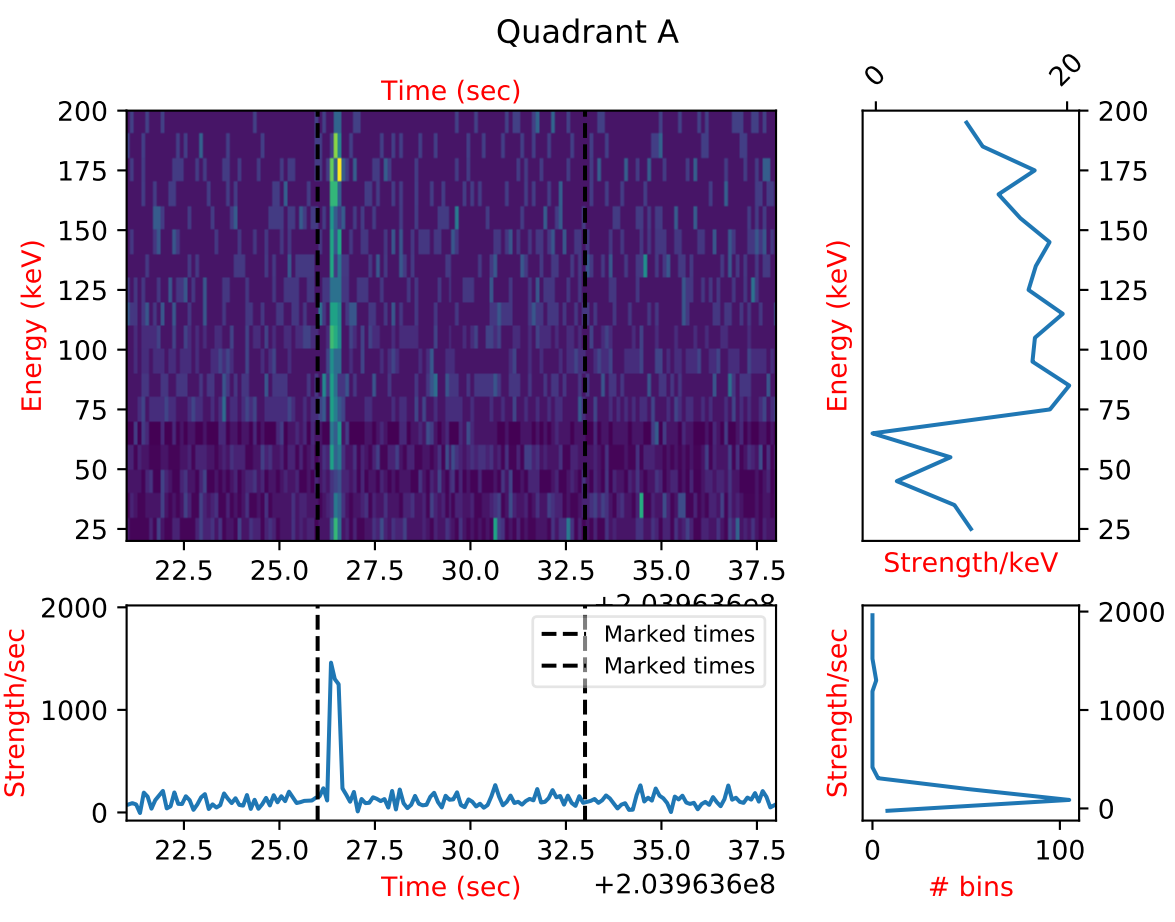
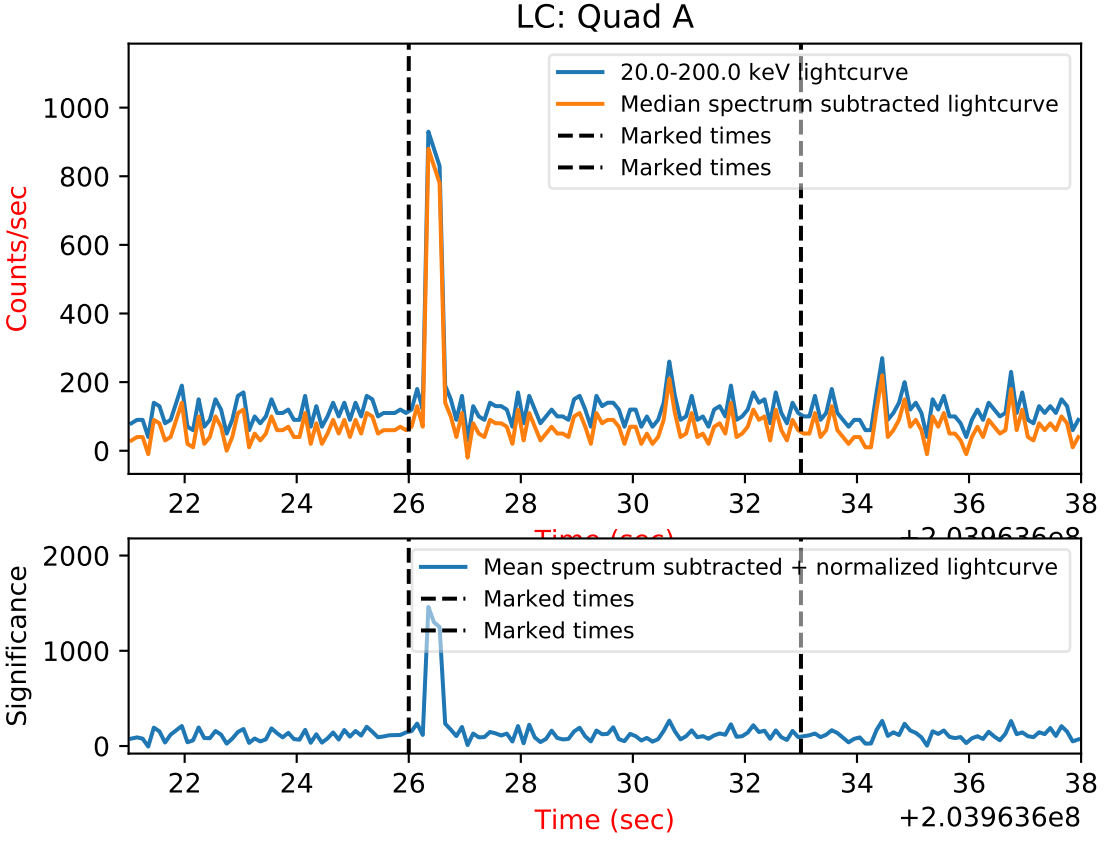
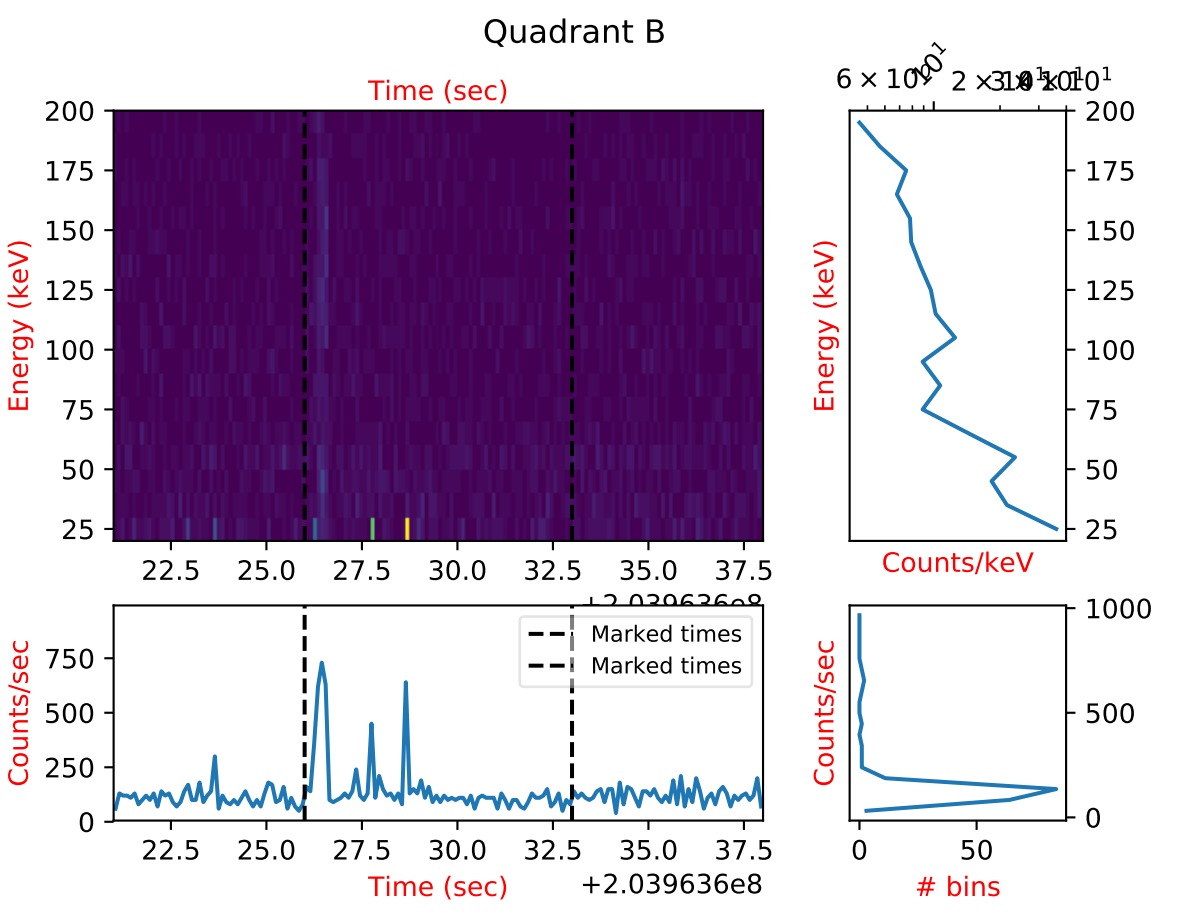
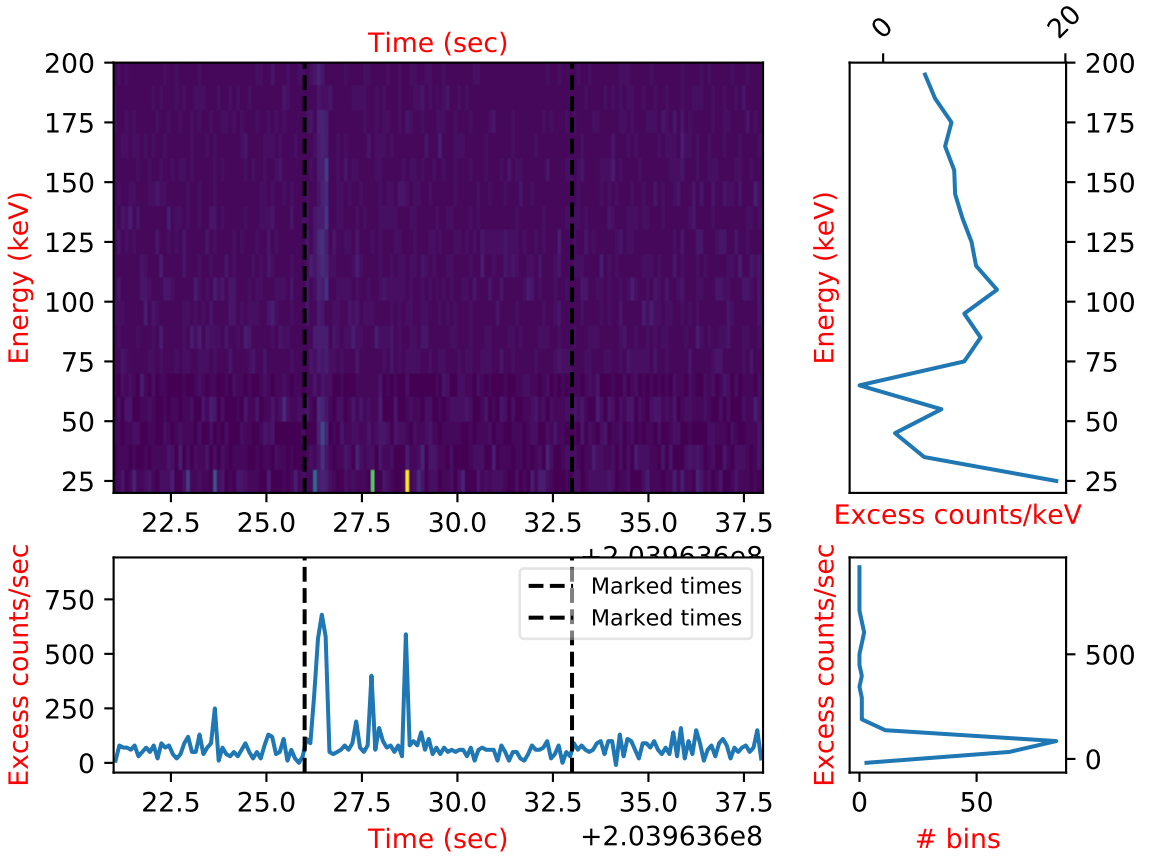

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
4 ×10^0
2 ×10^0
10^1
Counts/keV
Counts/sec
1000
500
0
Marked times
Marked times
+2.039636e8
bins
100

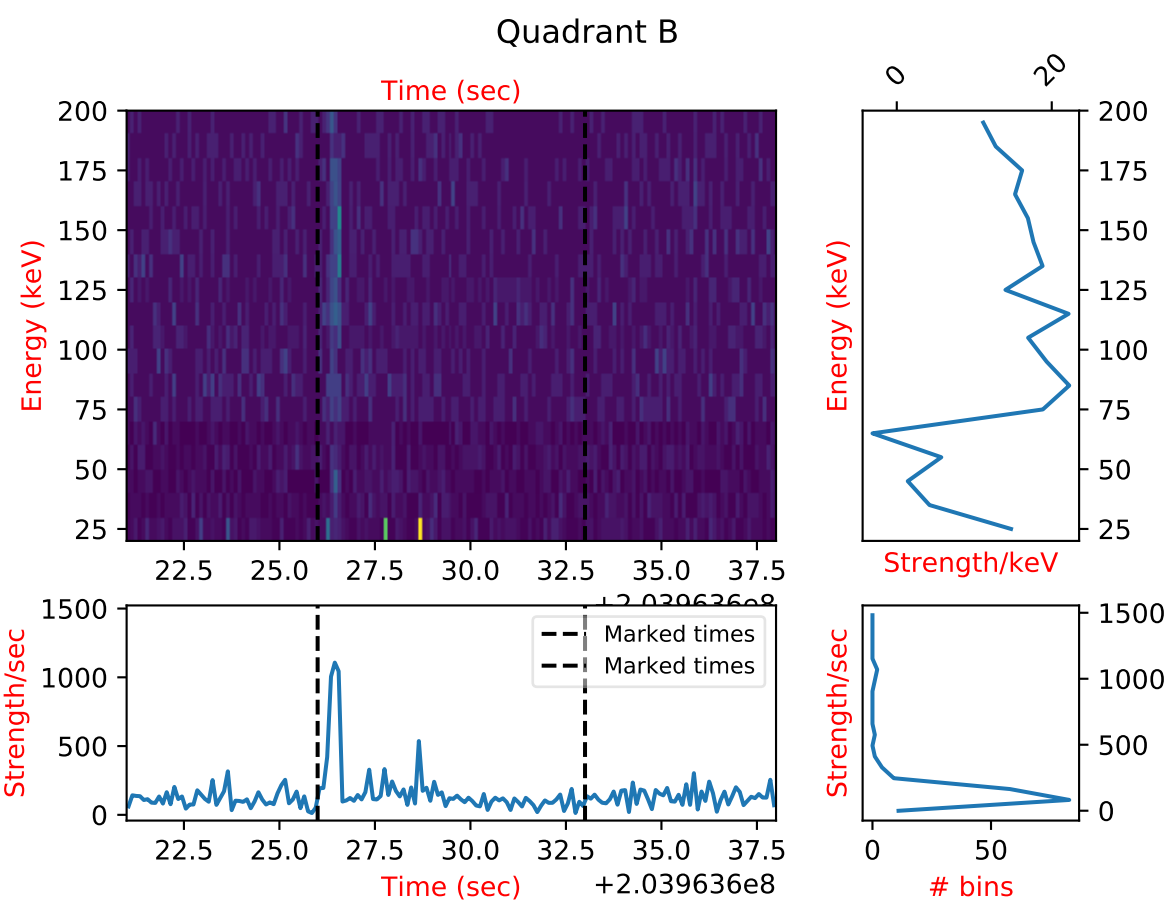

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
0
10
Excess counts/keV
Excess counts/sec
1000
500
0
Marked times
Marked times
+2.039636e8
bins
100

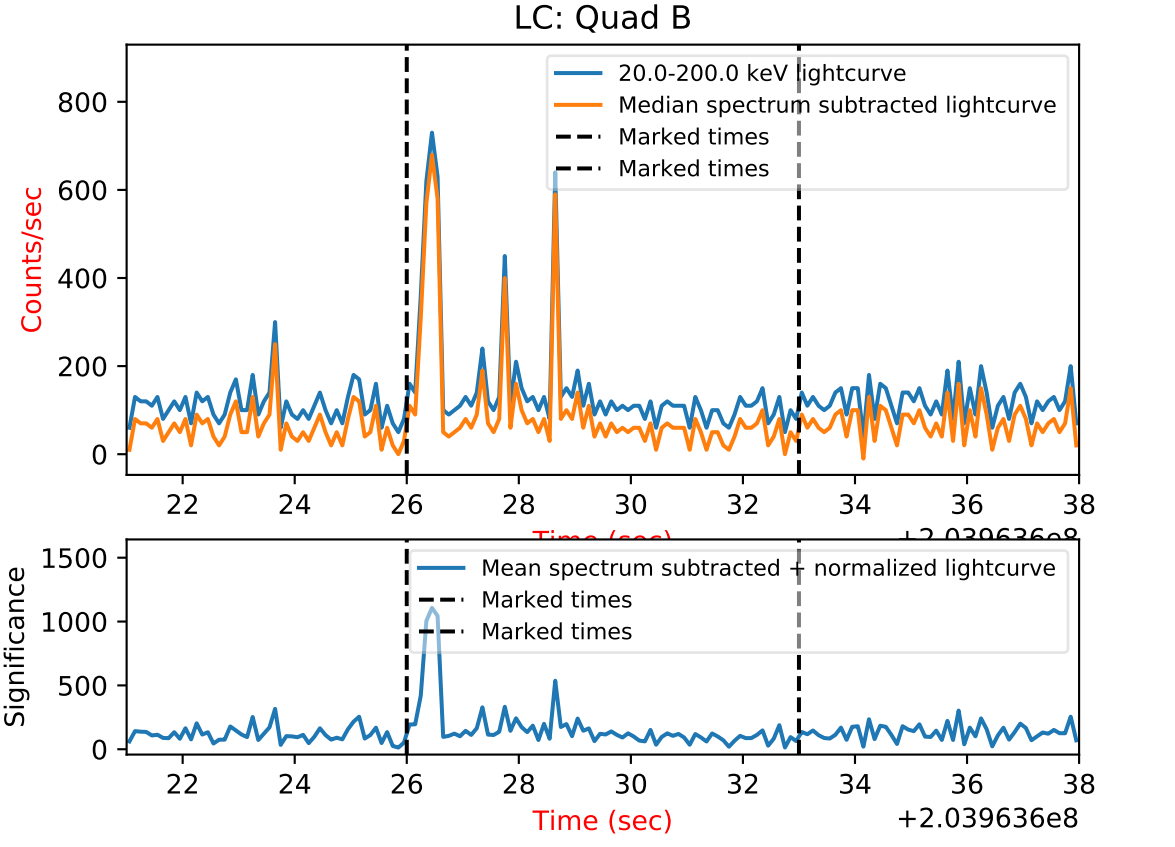

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
0
20
Strength/keV
Strength/sec
2000
1000
0
Marked times
Marked times
+2.039636e8
100
bins

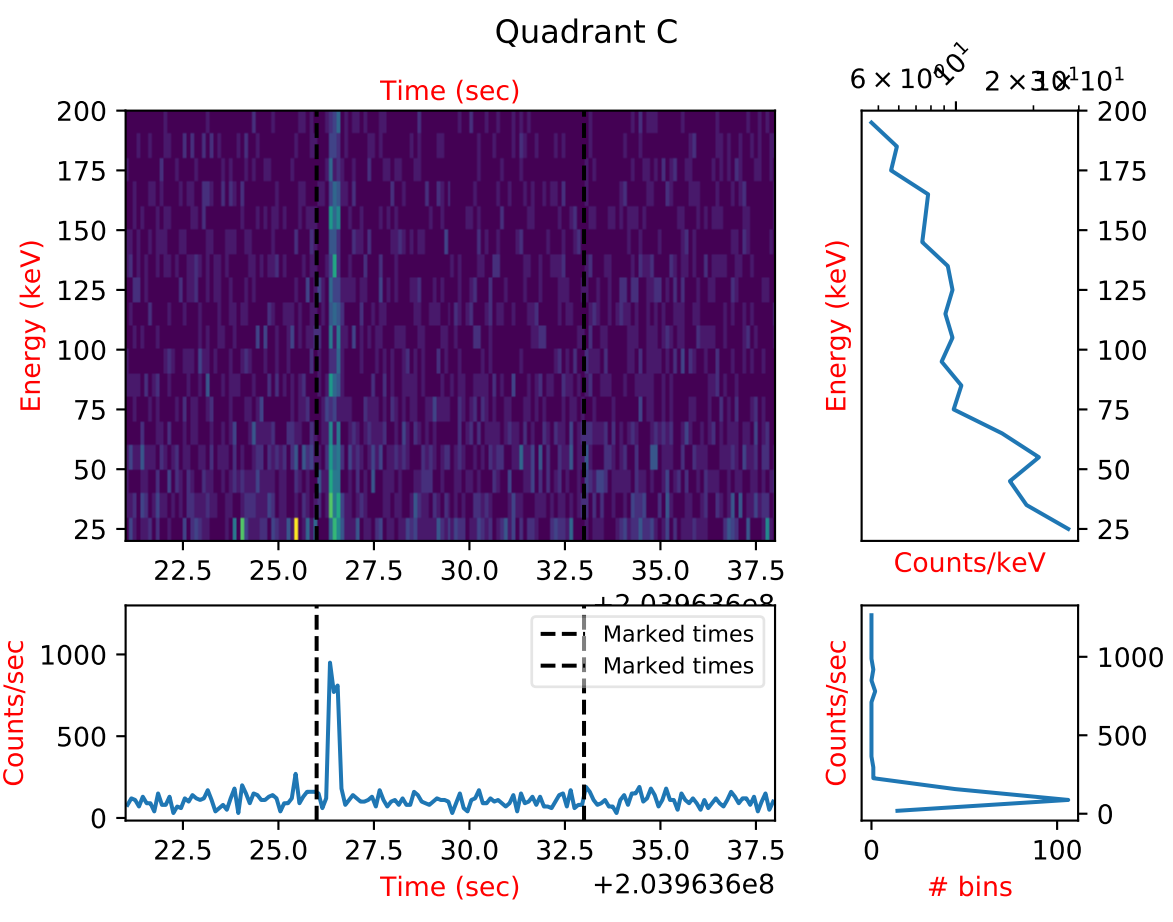

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1000
800
600
400
200
0
22
24
26
28
30
32
34
36
38
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
2000
1000
0
Time (sec)
+2.039636e8

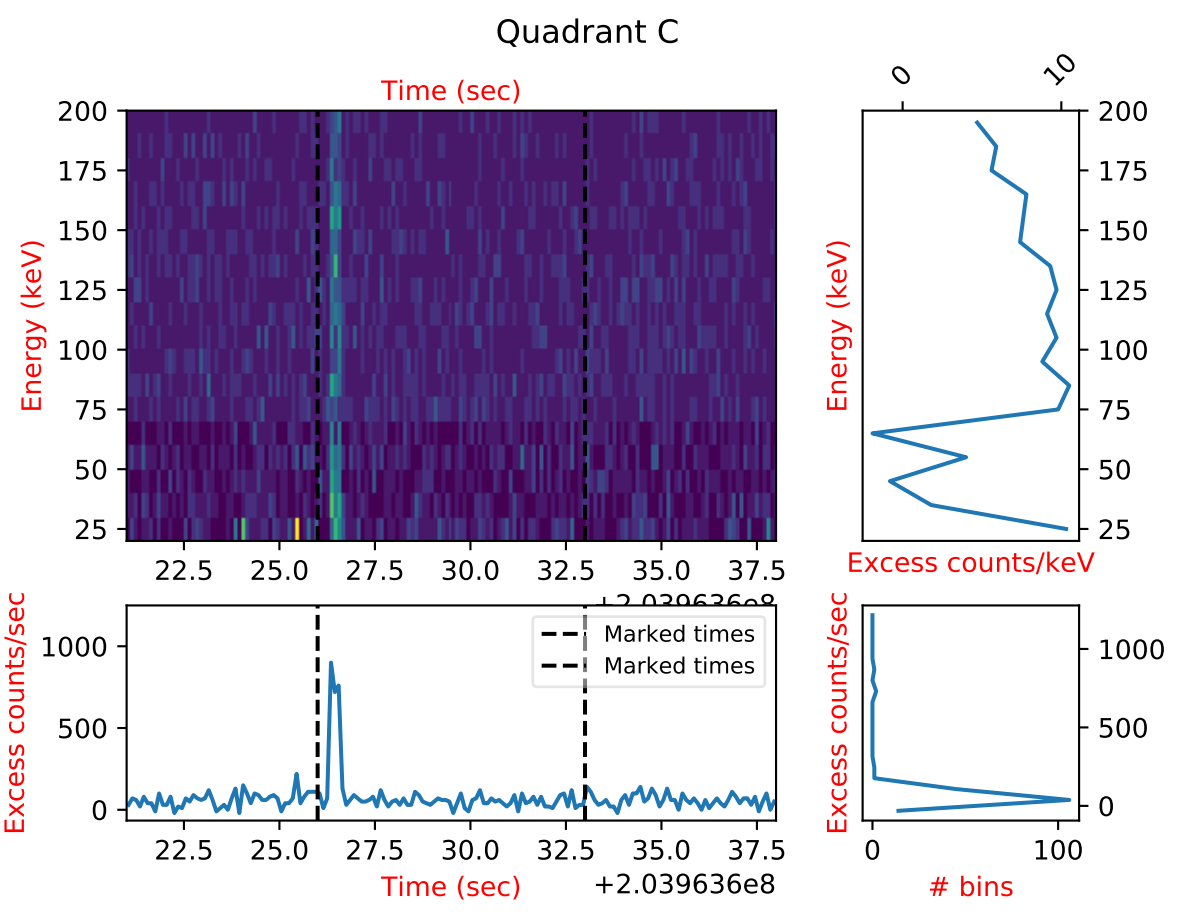

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
Counts/keV
Counts/sec
Marked times
Marked times
750
500
250
0
+2.039636e8
1000
bins

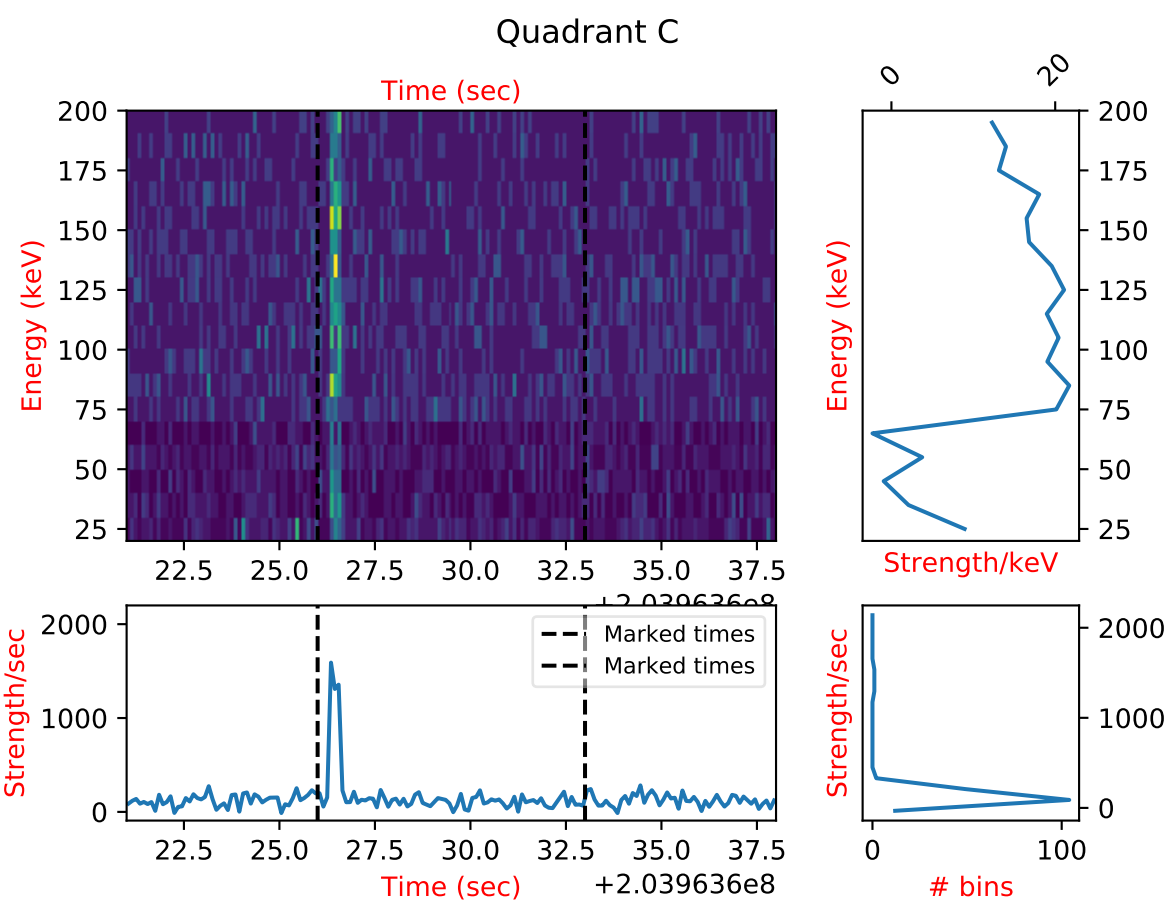

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
0
20
Excess counts/keV
Excess counts/sec
750
500
250
0
Marked times
Marked times
+2.039636e8
bins

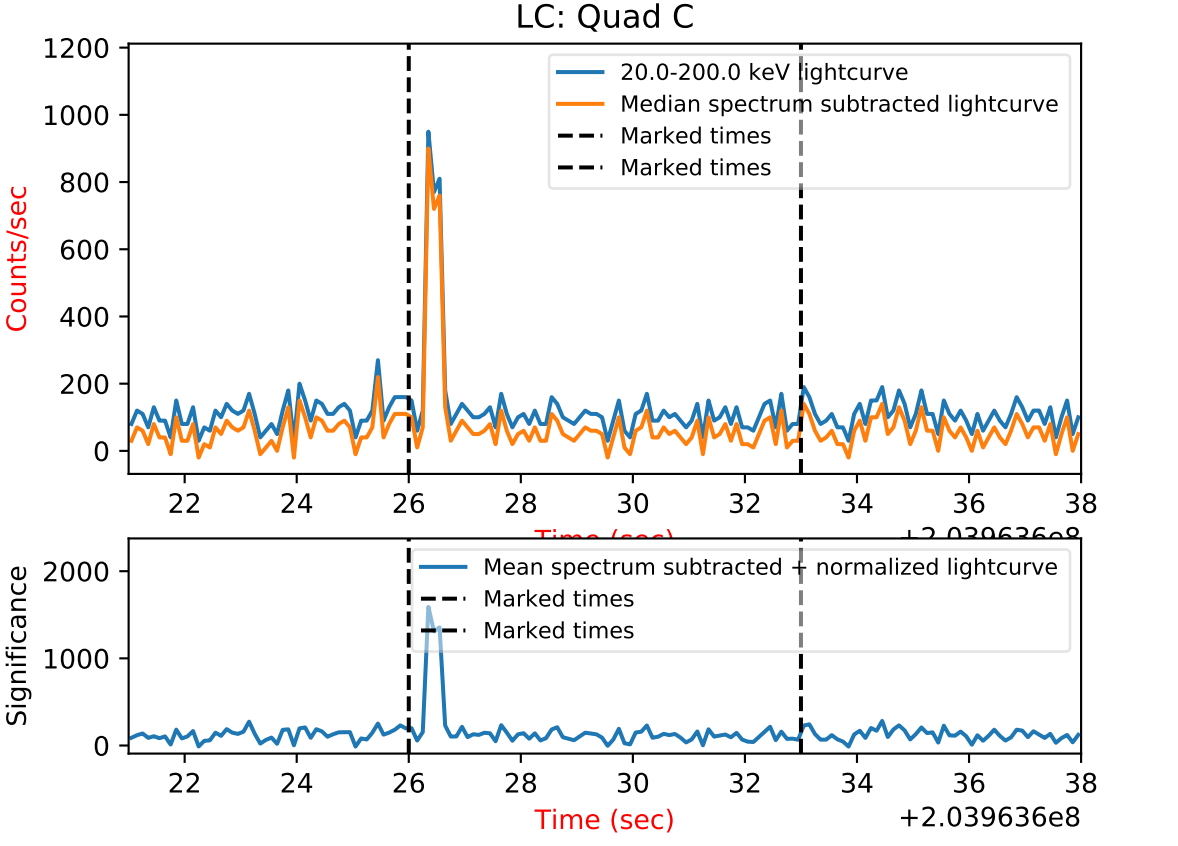

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
0
20
Strength/keV
Strength/sec
1500
1000
500
0
Marked times
Marked times
+2.039636e8
bins
50

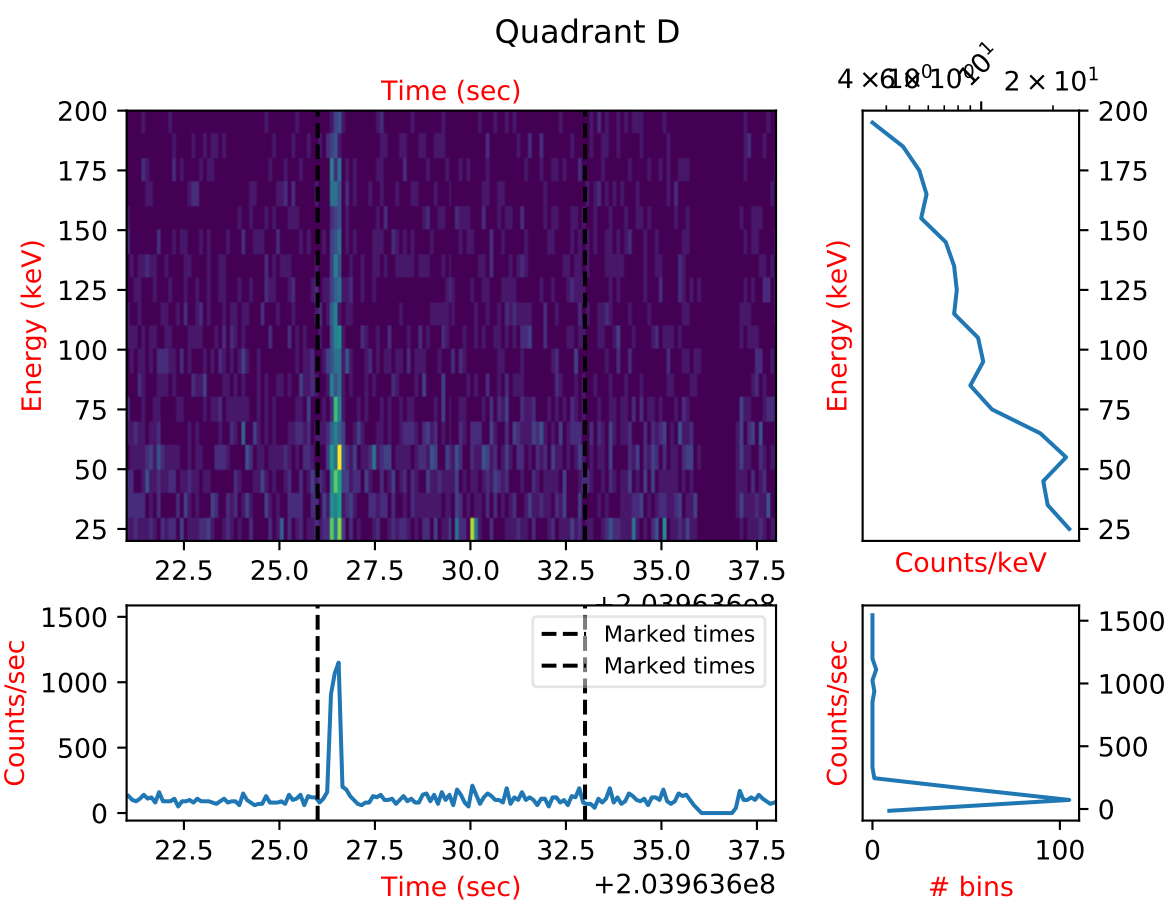

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
800
600
400
200
0
22
24
26
28
30
32
34
36
38
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
1500
1000
500
0
Time (sec)
+2.039636e8

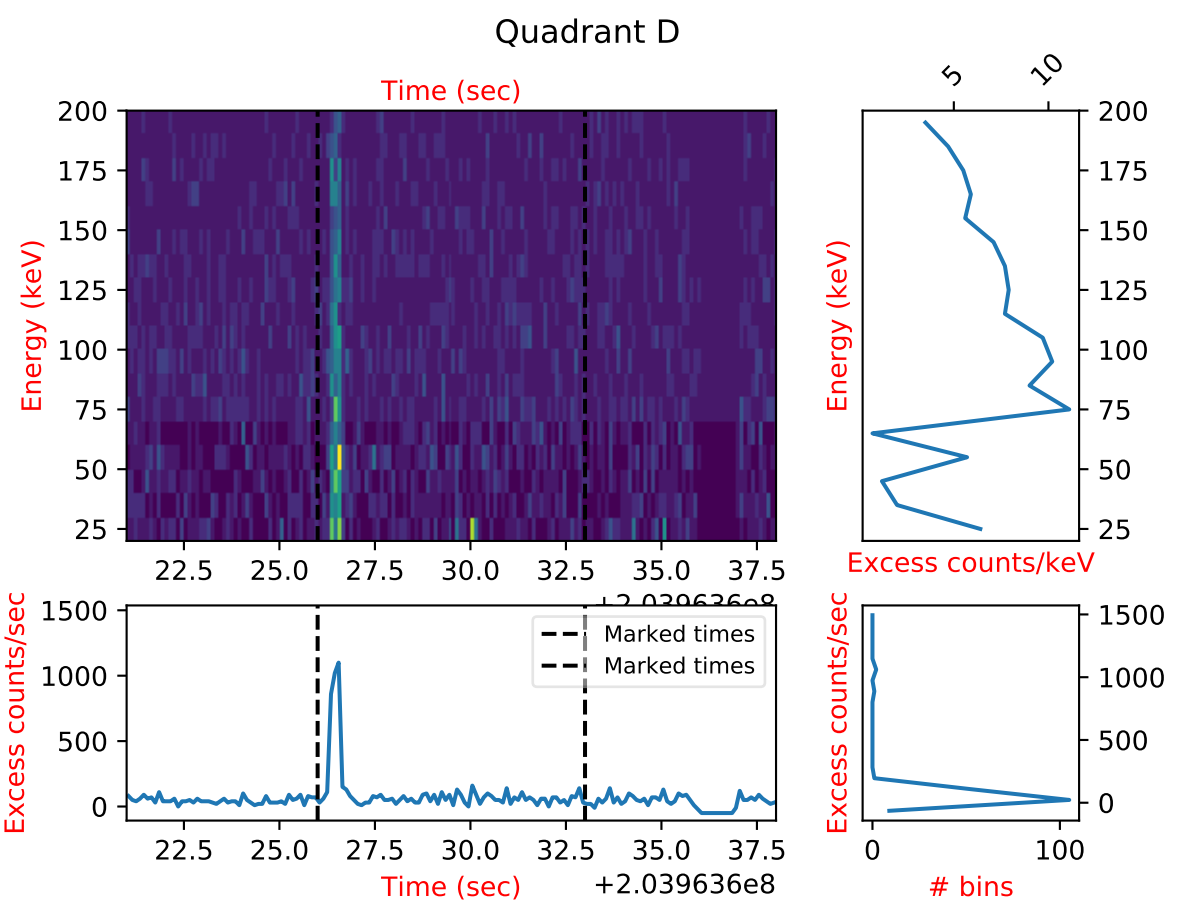

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
6×10^{0}
2×10^{1}
3×10^{1}
10^{1}
Counts/keV
Counts/sec
1000
500
0
Marked times
Marked times
+2.039636e8
bins
100

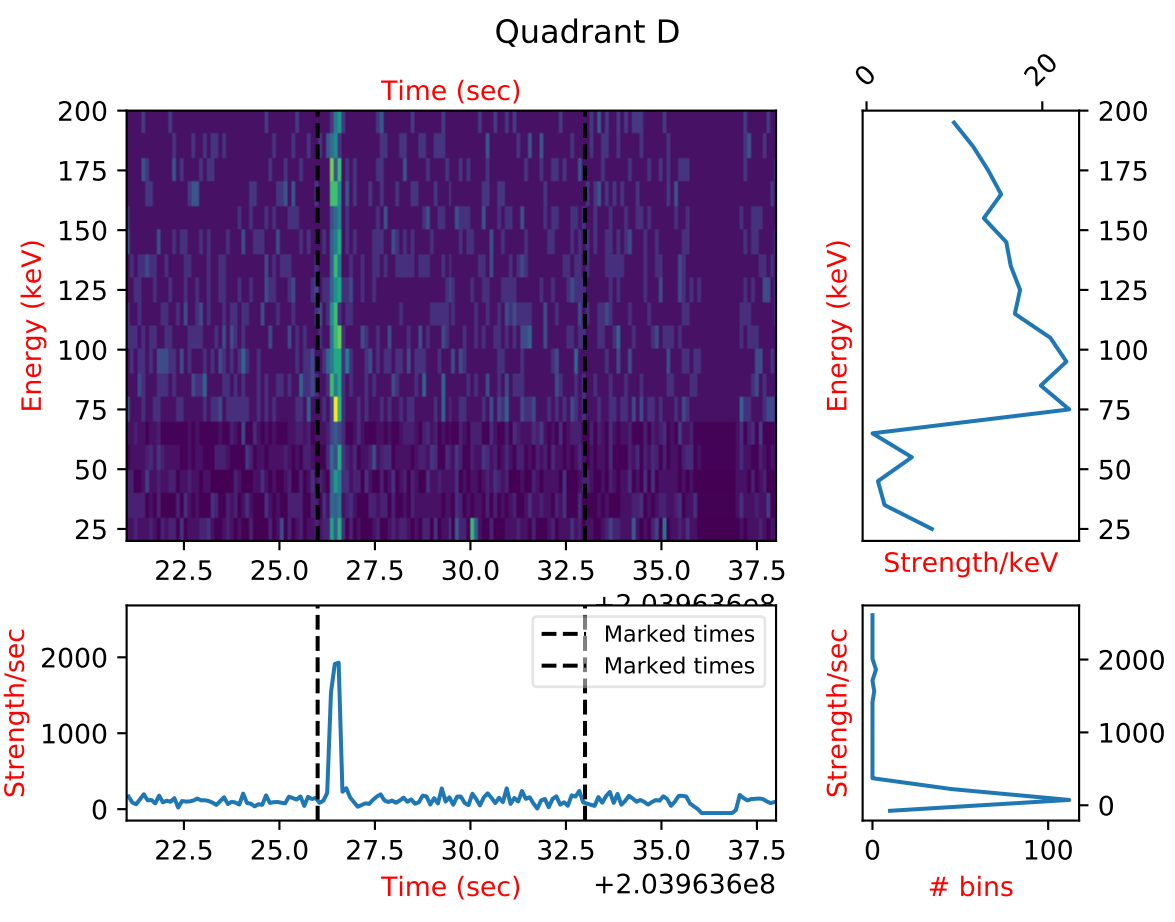

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
0
10
Excess counts/keV
Excess counts/sec
1000
500
0
Marked times
Marked times
+2.039636e8
100
bins

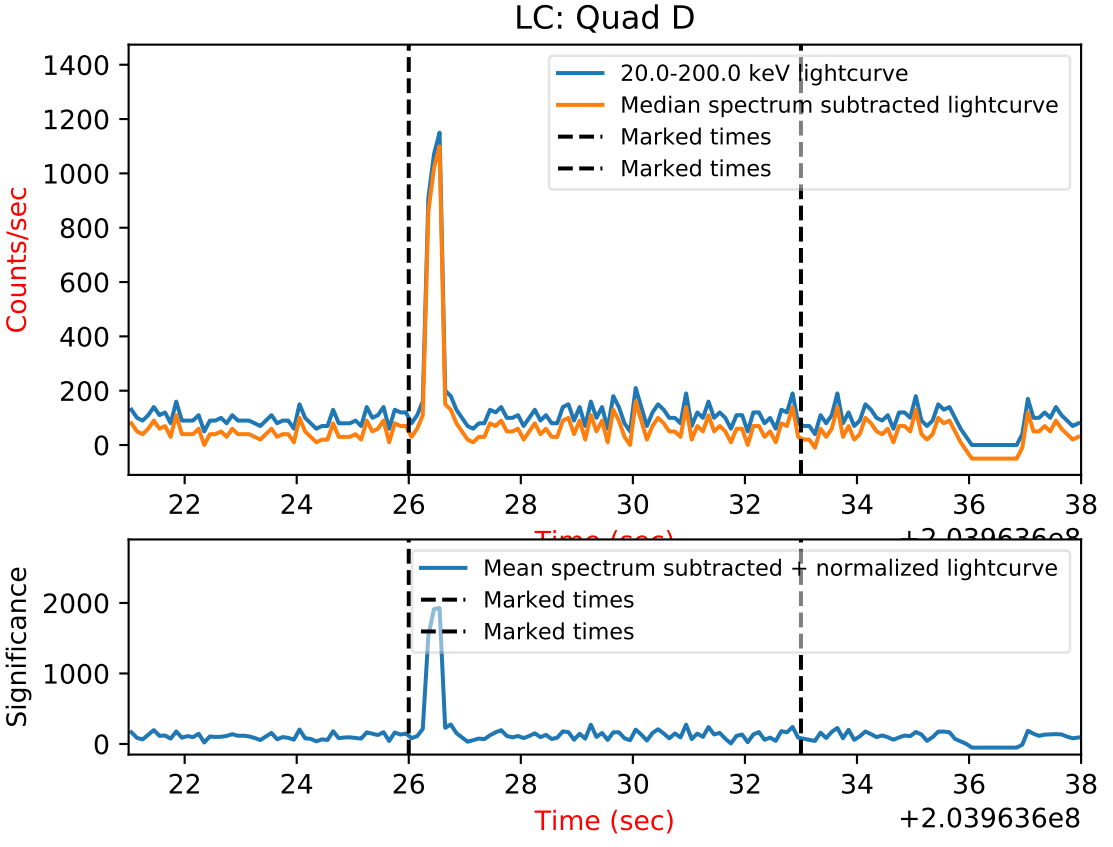

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
0
20
Strength/keV
Strength/sec
2000
1000
0
Marked times
Marked times
+2.039636e8
100
bins

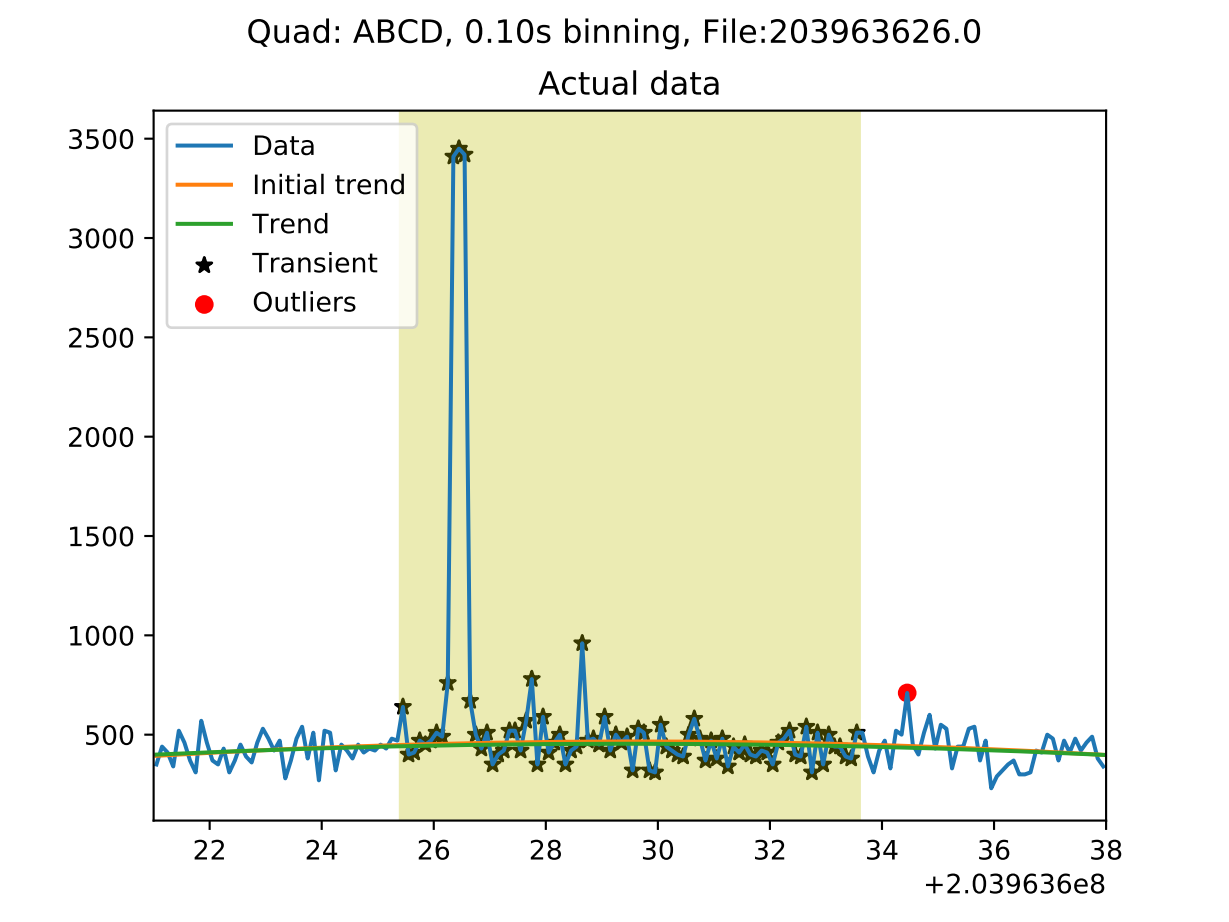

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1200
1000
800
600
400
200
0
22
24
26
28
30
32
34
36
38
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
2000
1000
0
Time (sec)
+2.039636e8

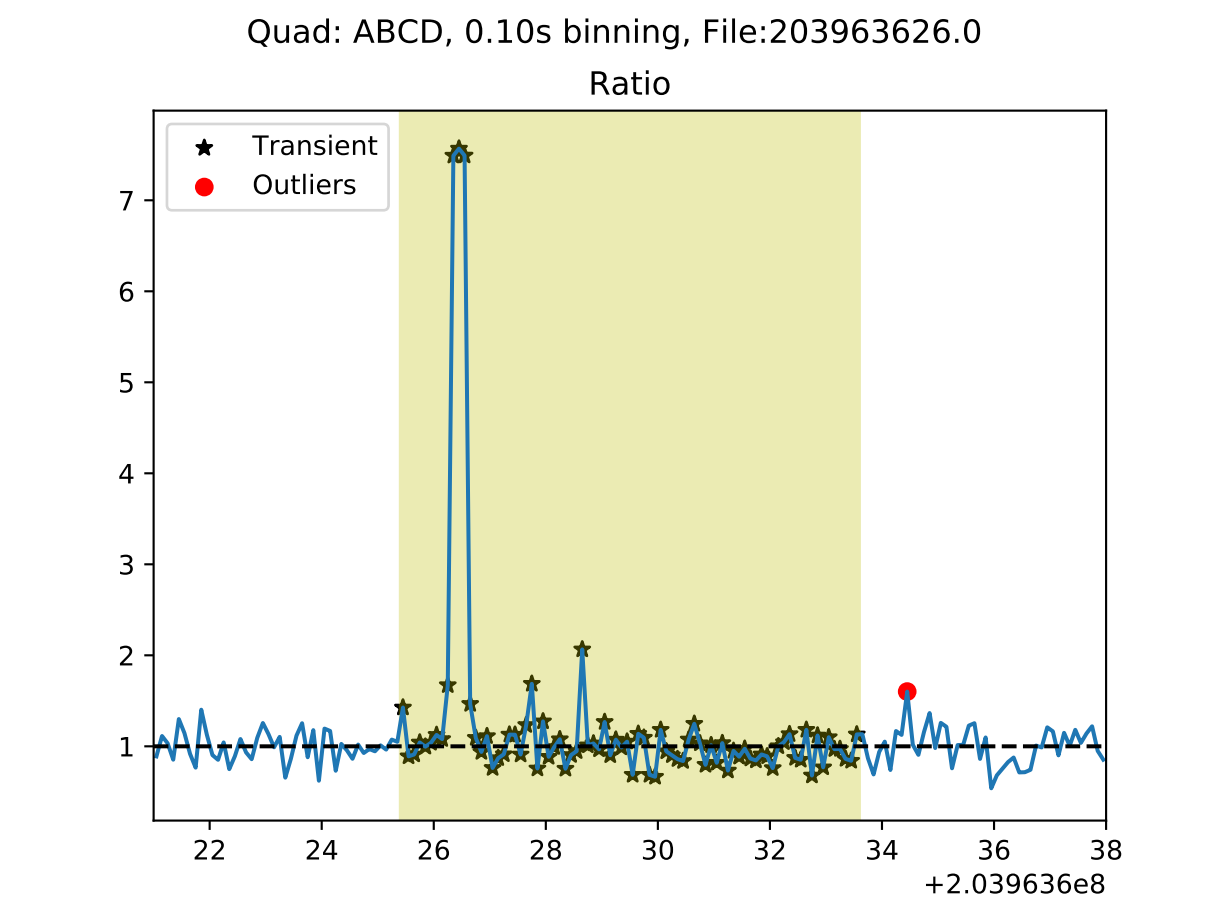

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
4 × 10^0
2 × 10^1
Counts/keV
Counts/sec
1500
1000
500
0
Marked times
Marked times
+2.039636e8
100
bins

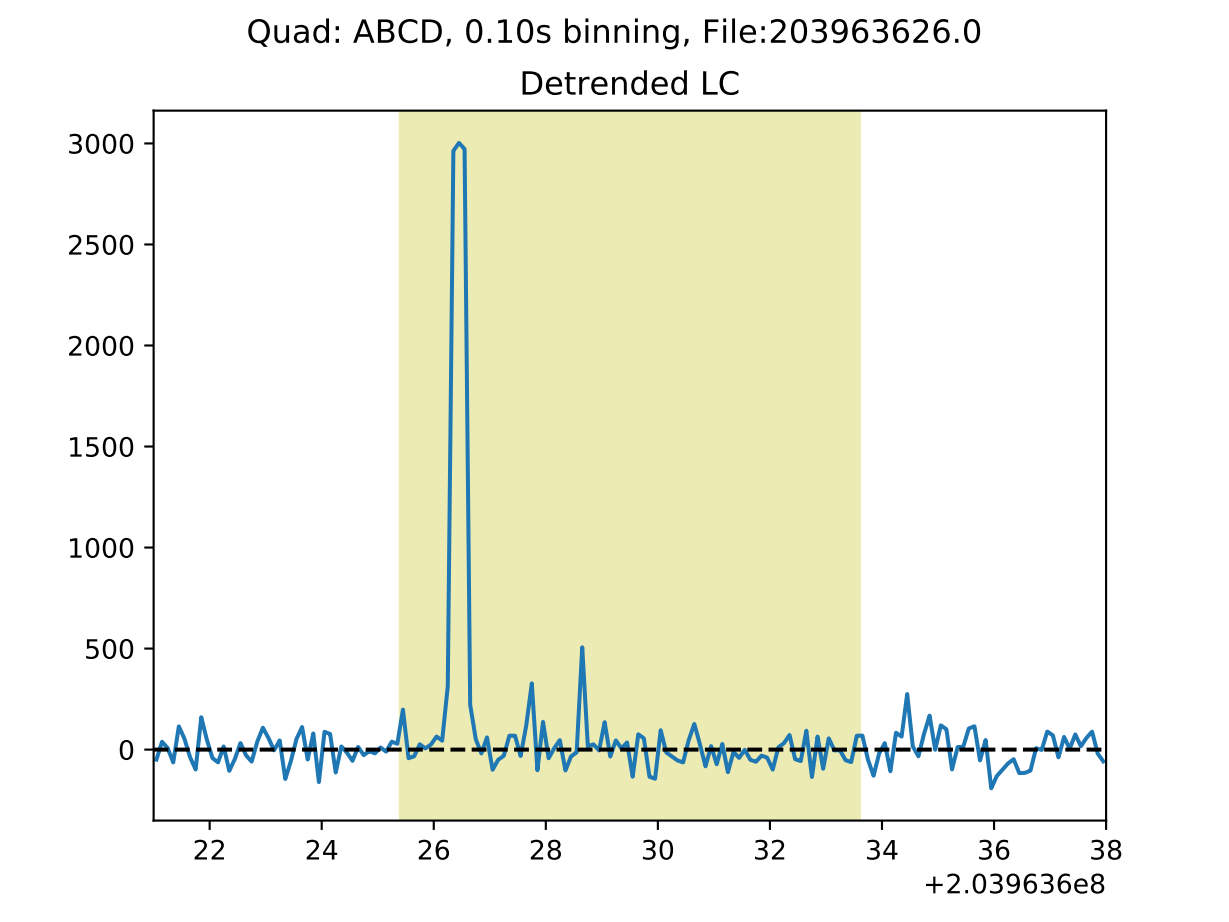

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
5
10
Excess counts/keV
Excess counts/sec
1500
1000
500
0
Marked times
Marked times
+2.039636e8
bins
100

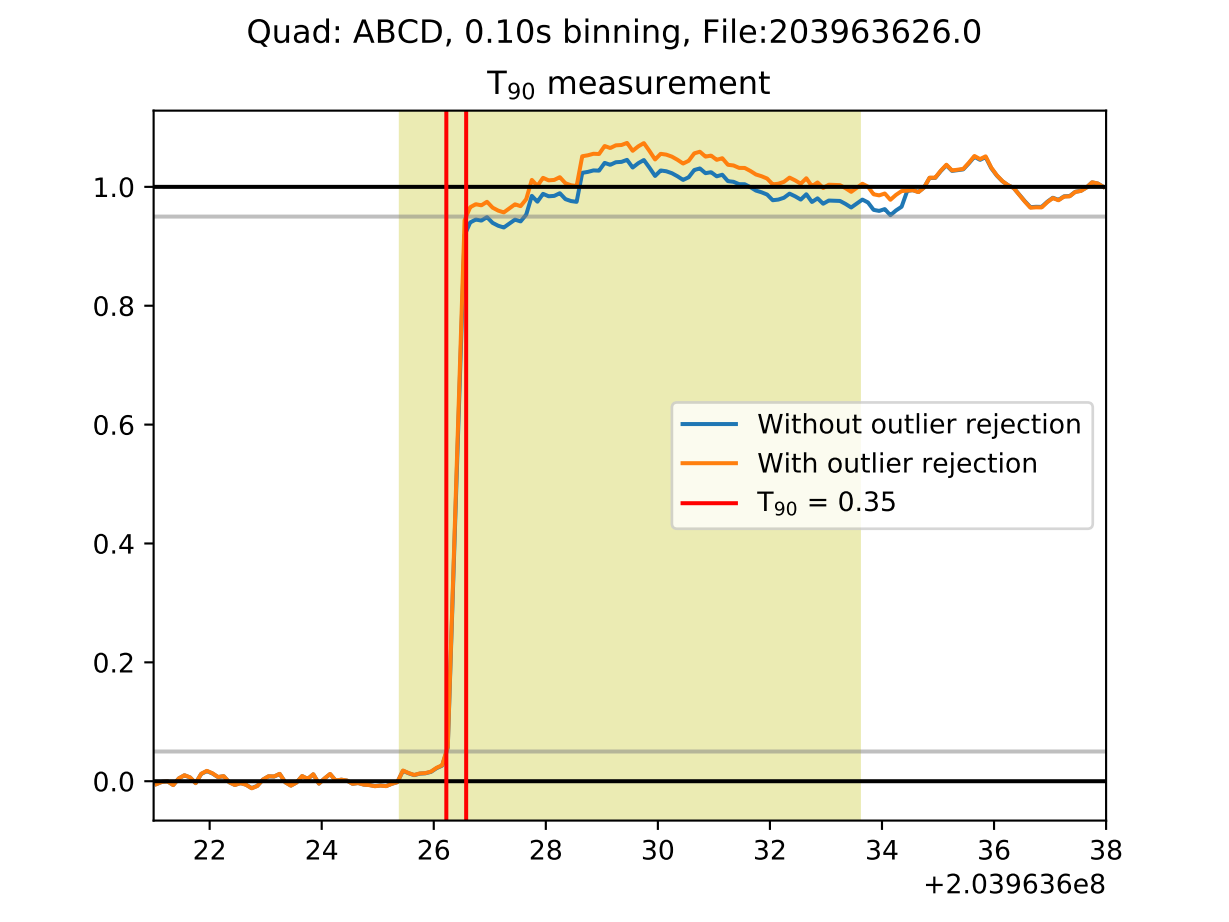

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
22.5
25.0
27.5
30.0
32.5
35.0
37.5
0
20
Strength/keV
Strength/sec
2000
1000
0
Marked times
Marked times
+2.039636e8
100
bins

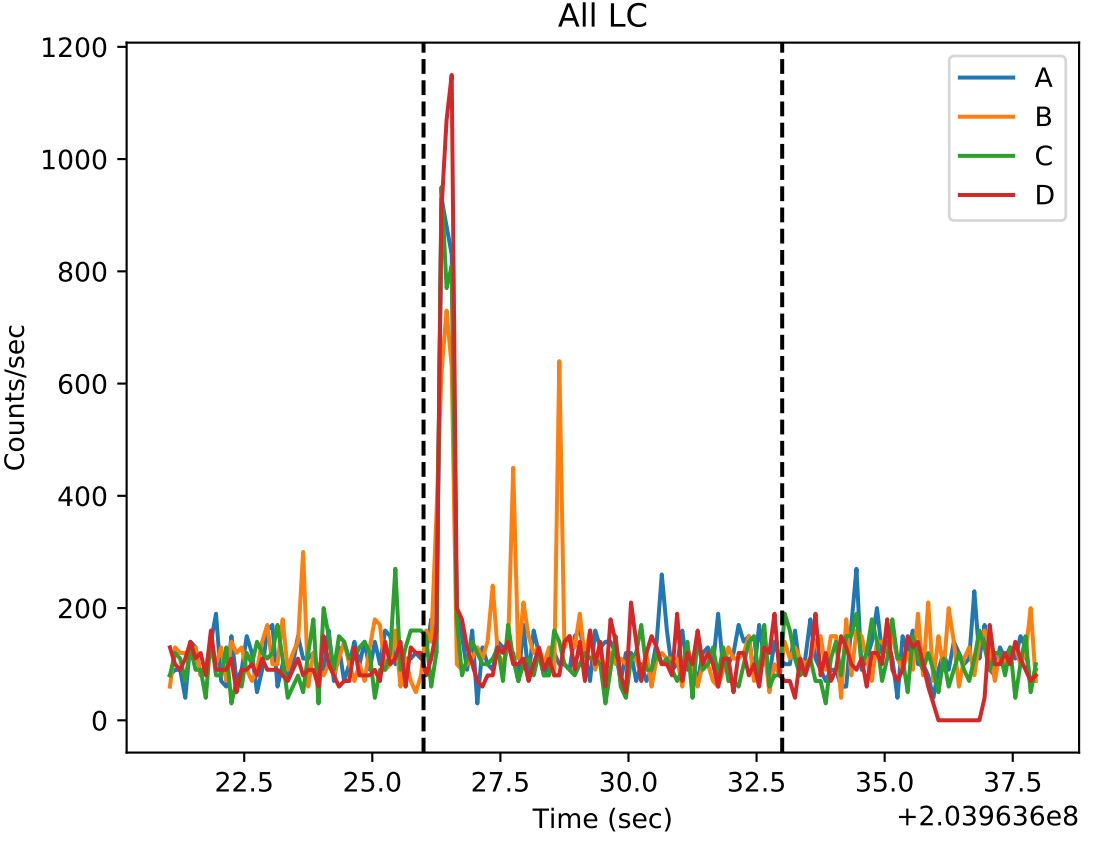

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1400
1200
1000
800
600
400
200
0
22
24
26
28
30
32
34
36
38
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
2000
1000
0
Time (sec)
+2.039636e8


Quad: ABCD, 0.10s binning, File:203963626.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
3500
3000
2500
2000
1500
1000
500
22
24
26
28
30
32
34
36
38
+2.039636e8


Quad: ABCD, 0.10s binning, File:203963626.0
Ratio
Transient
Outliers
7
6
5
4
3
2
1
22
24
26
28
30
32
34
36
38
+2.039636e8


Quad: ABCD, 0.10s binning, File:203963626.0
Detrended LC
3000
2500
2000
1500
1000
500
0
22
24
26
28
30
32
34
36
38
+2.039636e8


Quad: ABCD, 0.10s binning, File:203963626.0
T90 measurement
1.0
0.8
0.6
0.4
0.2
0.0
22
24
26
28
30
32
34
36
38
+2.039636e8
Without outlier rejection
With outlier rejection
T90 = 0.35


All LC
A
B
C
D
Counts/sec
0
200
400
600
800
1000
1200
22.5
25.0
27.5
30.0
32.5
35.0
37.5
Time (sec)
+2.039636e8