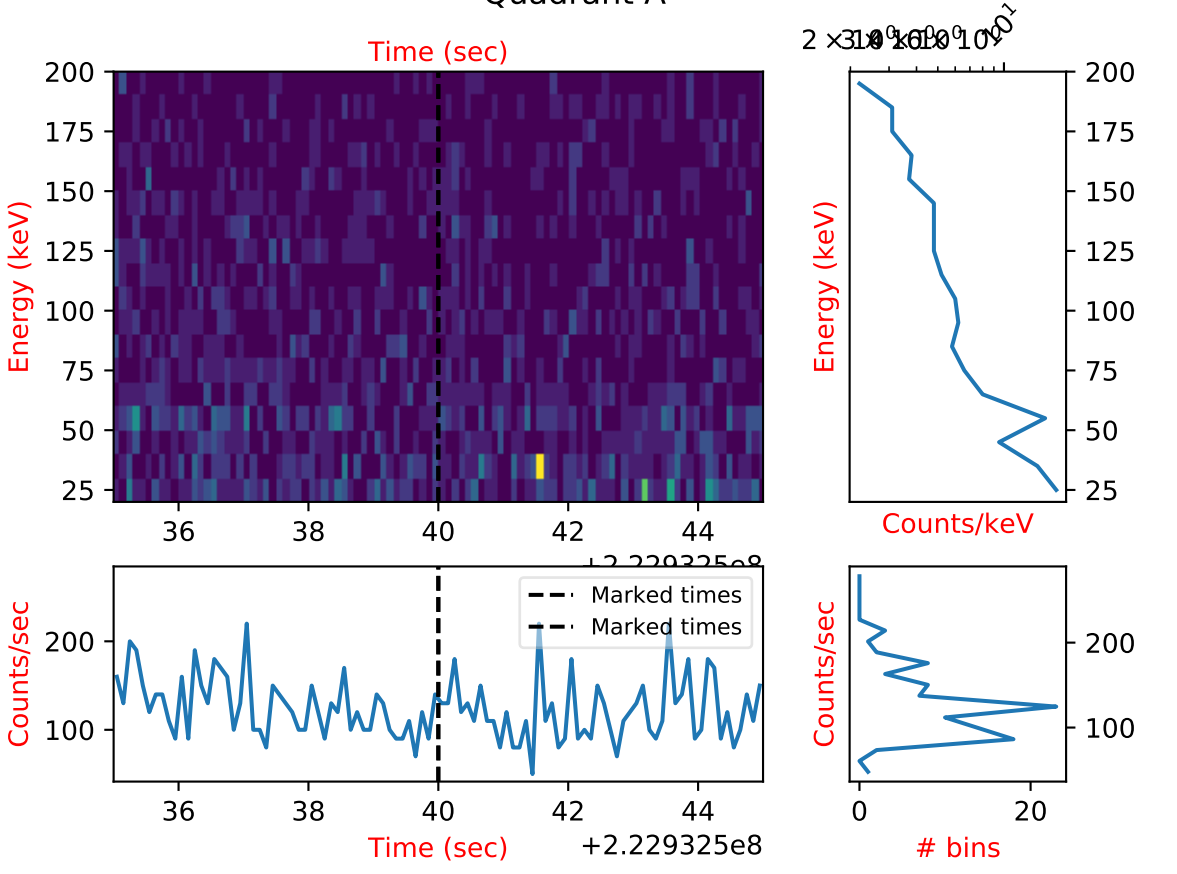
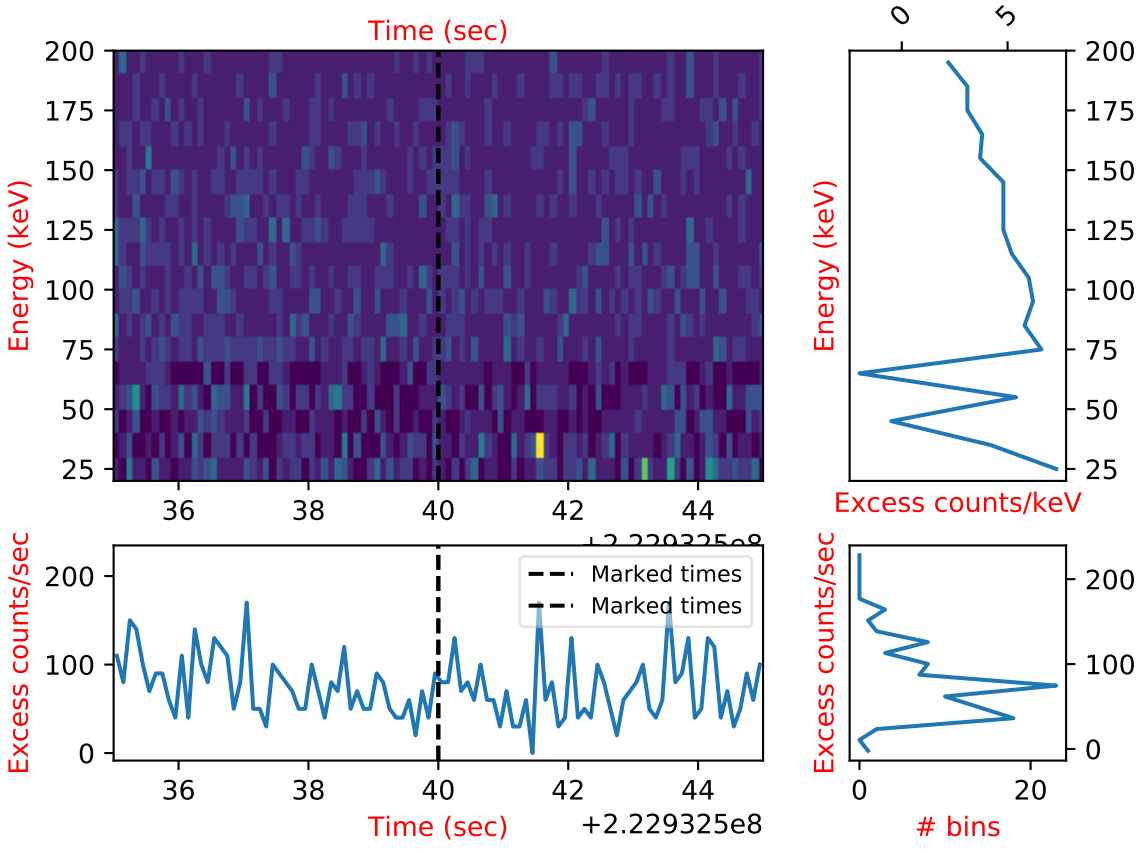
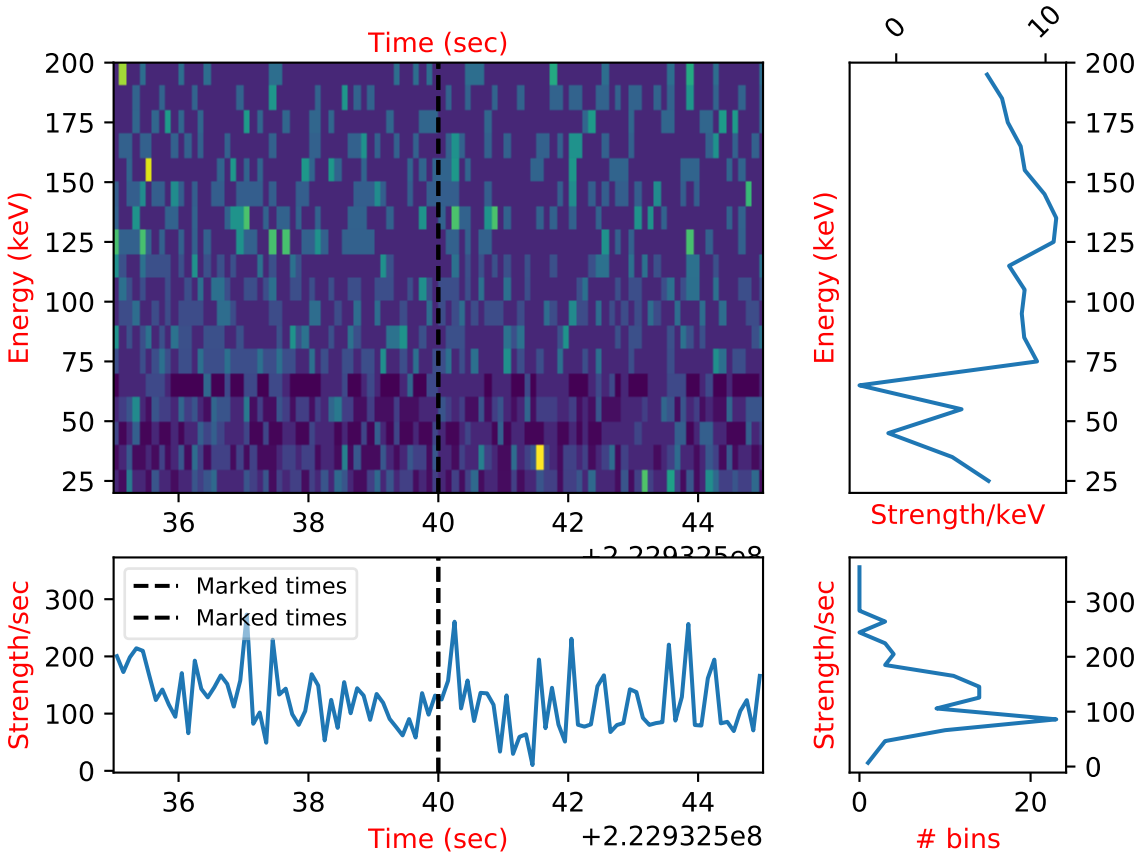
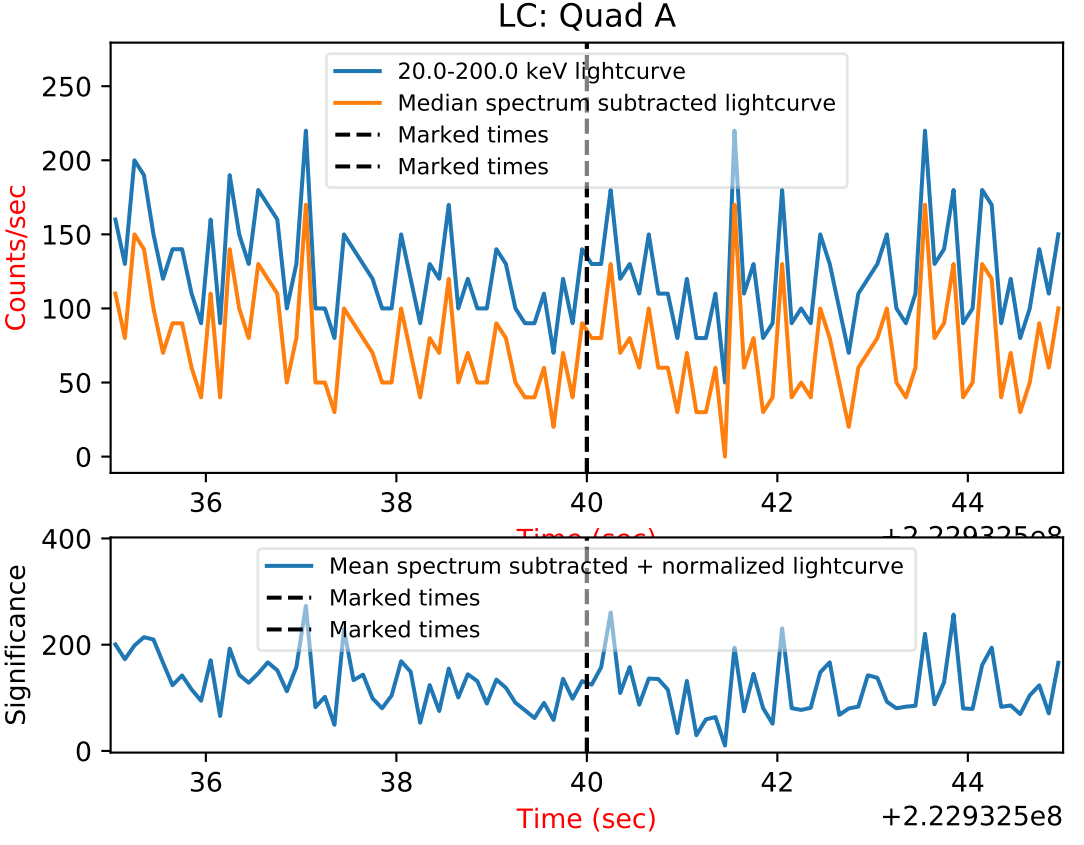
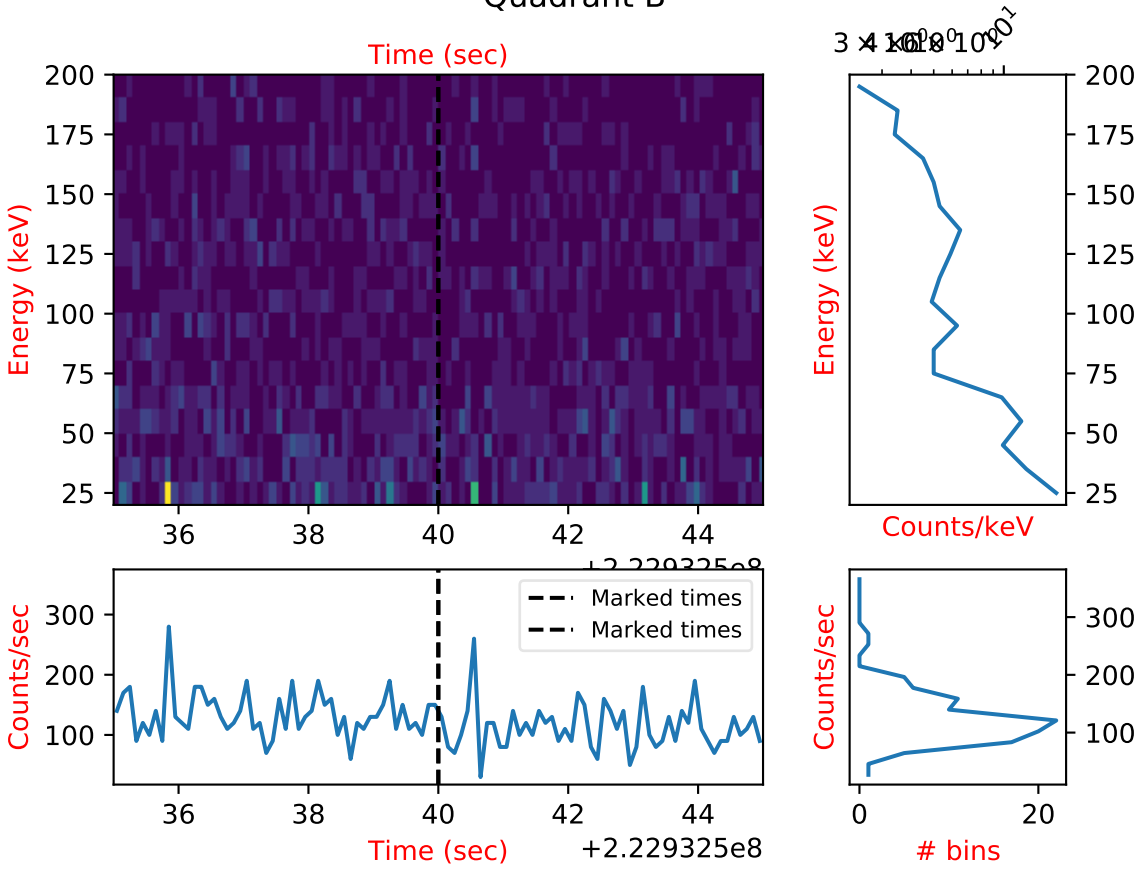
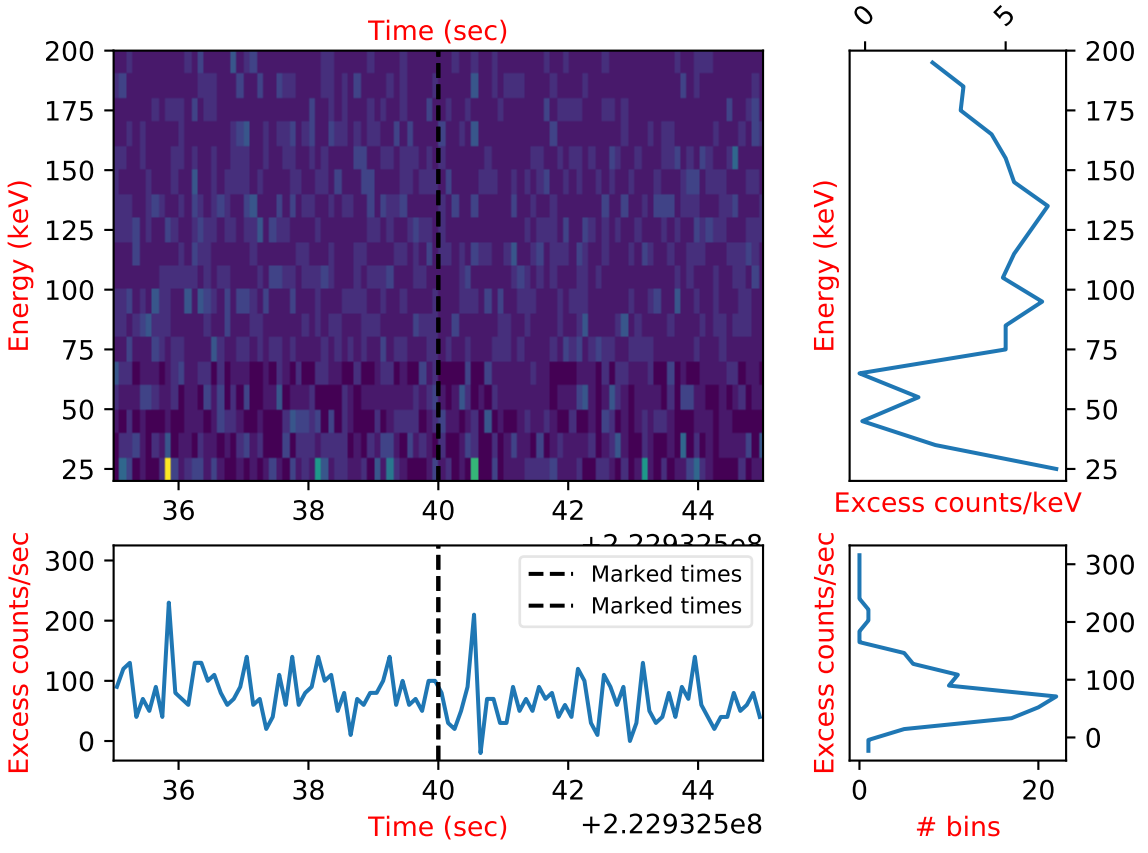

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
2 ×10^7
Counts/keV
+2.229325e8
Marked times
Marked times
Counts/sec
100
200
0
20
bins

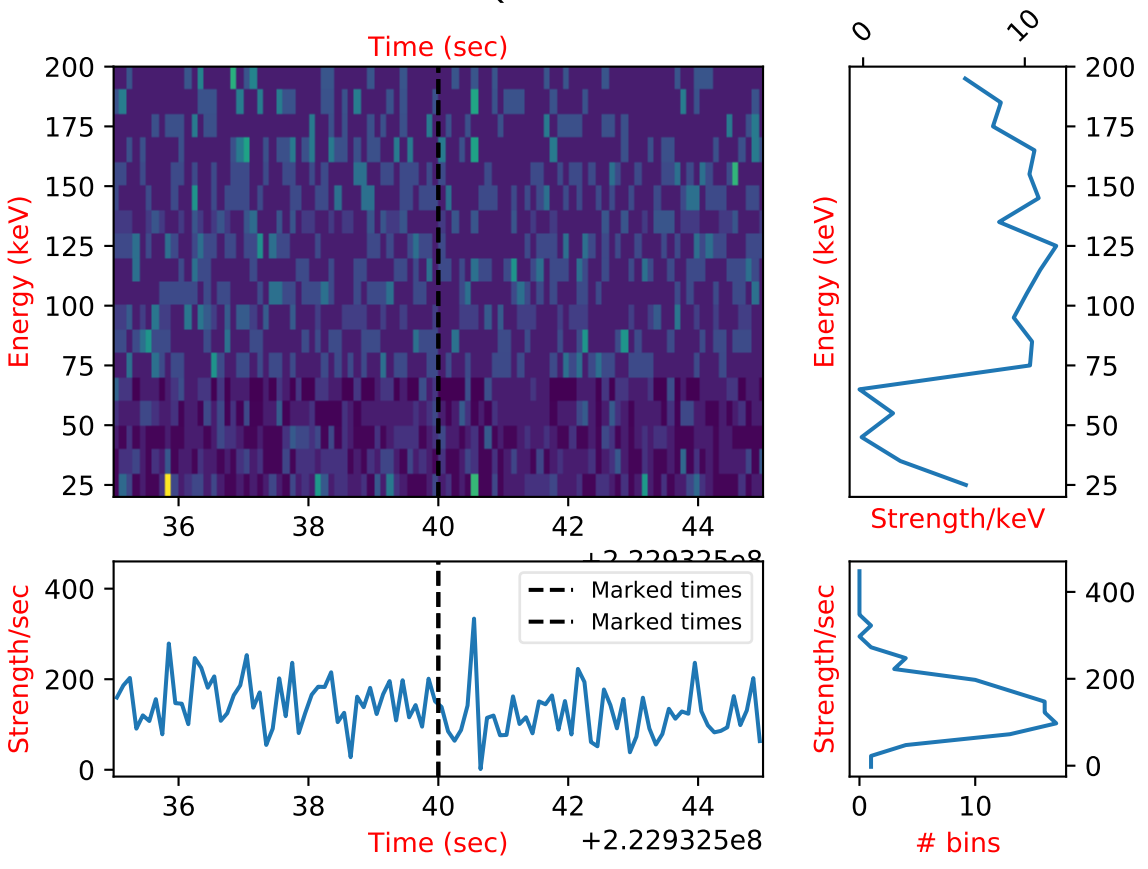

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
+2.229325e8
0
5
Excess counts/keV
Excess counts/sec
Marked times
Marked times
0
20
bins

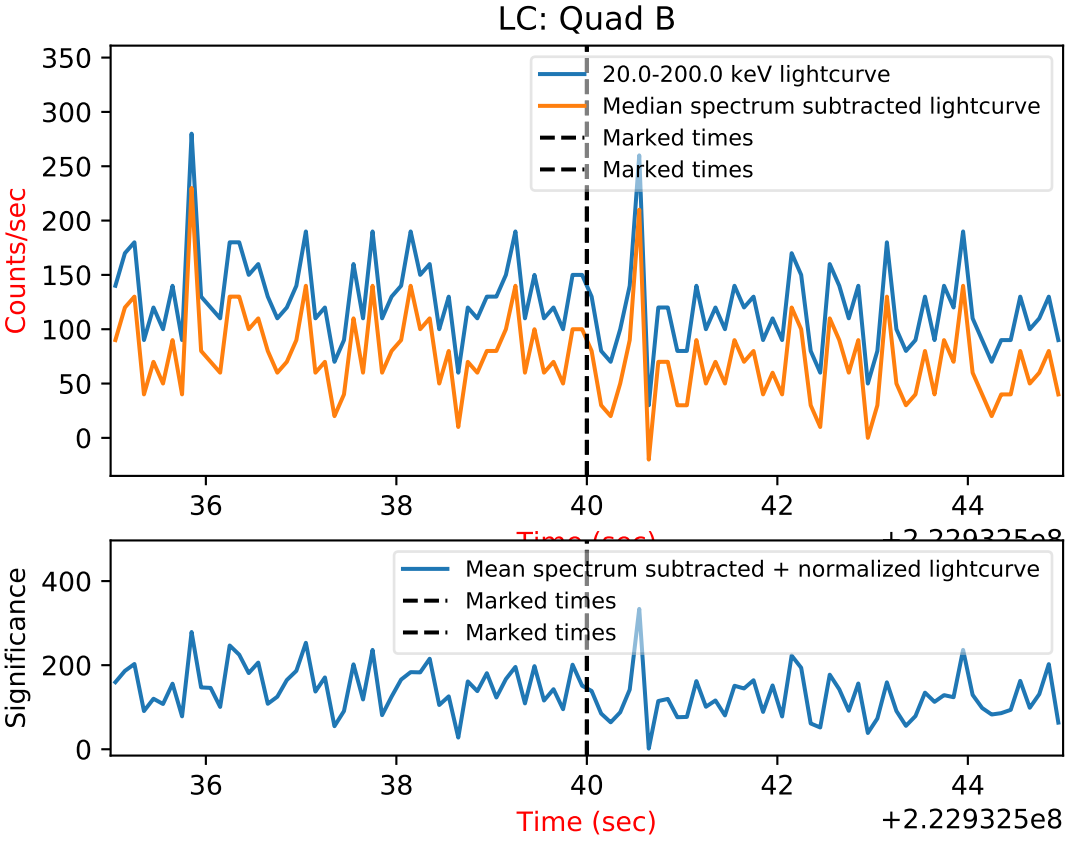

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
+2.229325e8
0
10
Strength/keV
Strength/sec
Marked times
Marked times
300
200
100
0
Time (sec)
+2.229325e8
bins
20

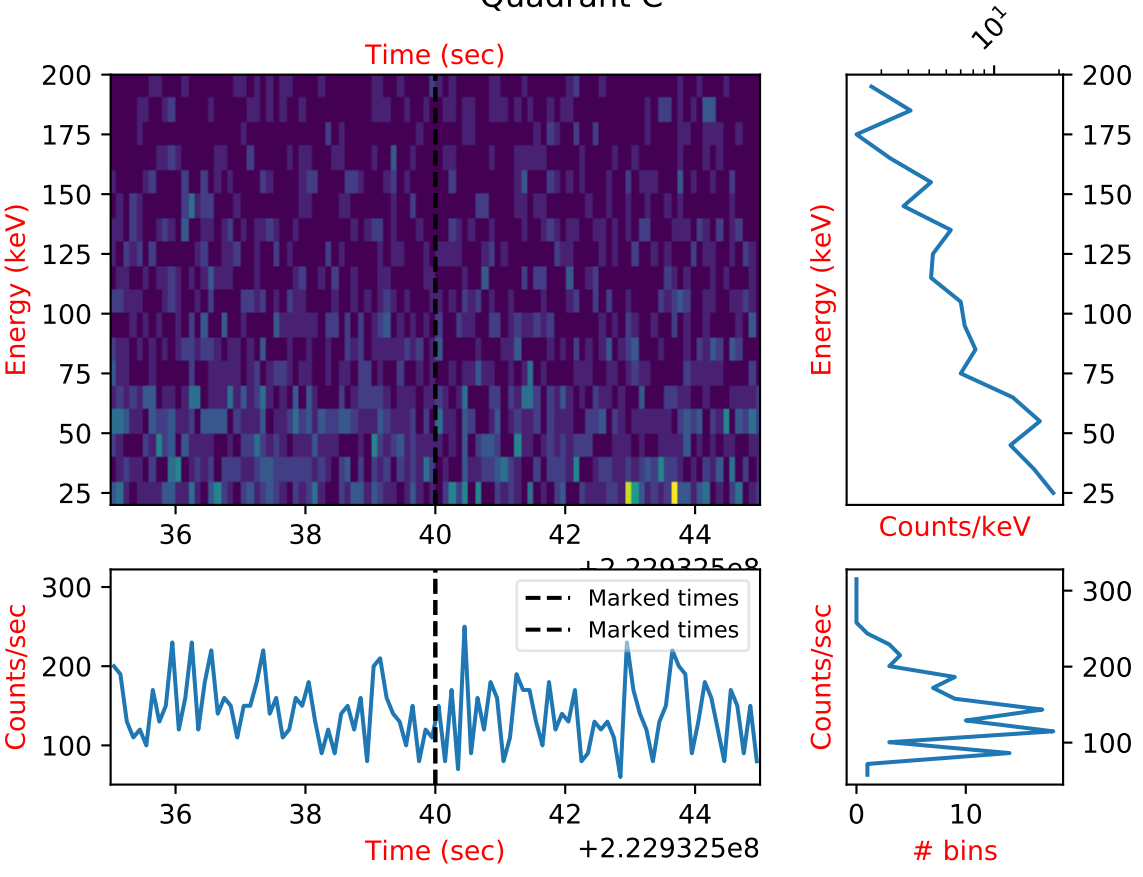

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
36
38
40
42
44
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
400
200
0
Time (sec)
+2.229325e8

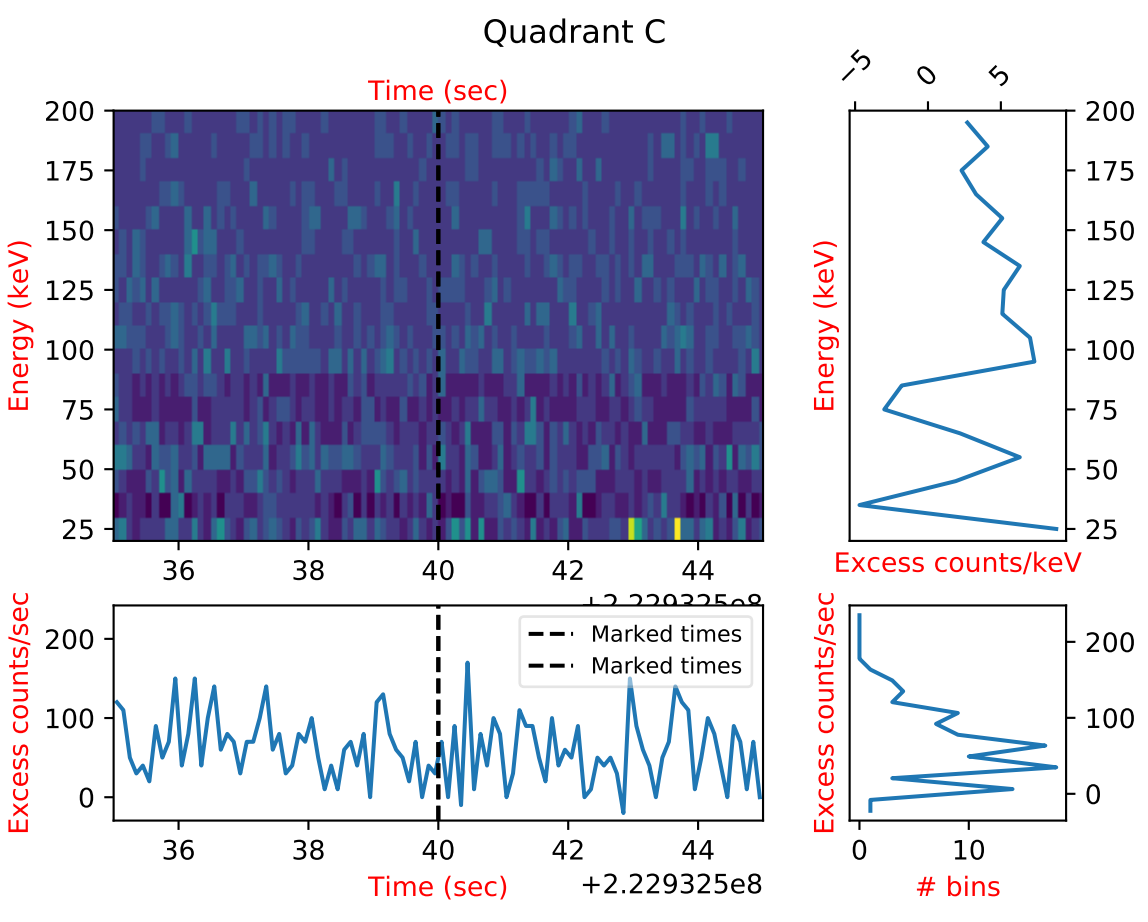

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
+2.229325e8
Counts/keV
Counts/sec
300
200
100
Marked times
Marked times
bins
0
20

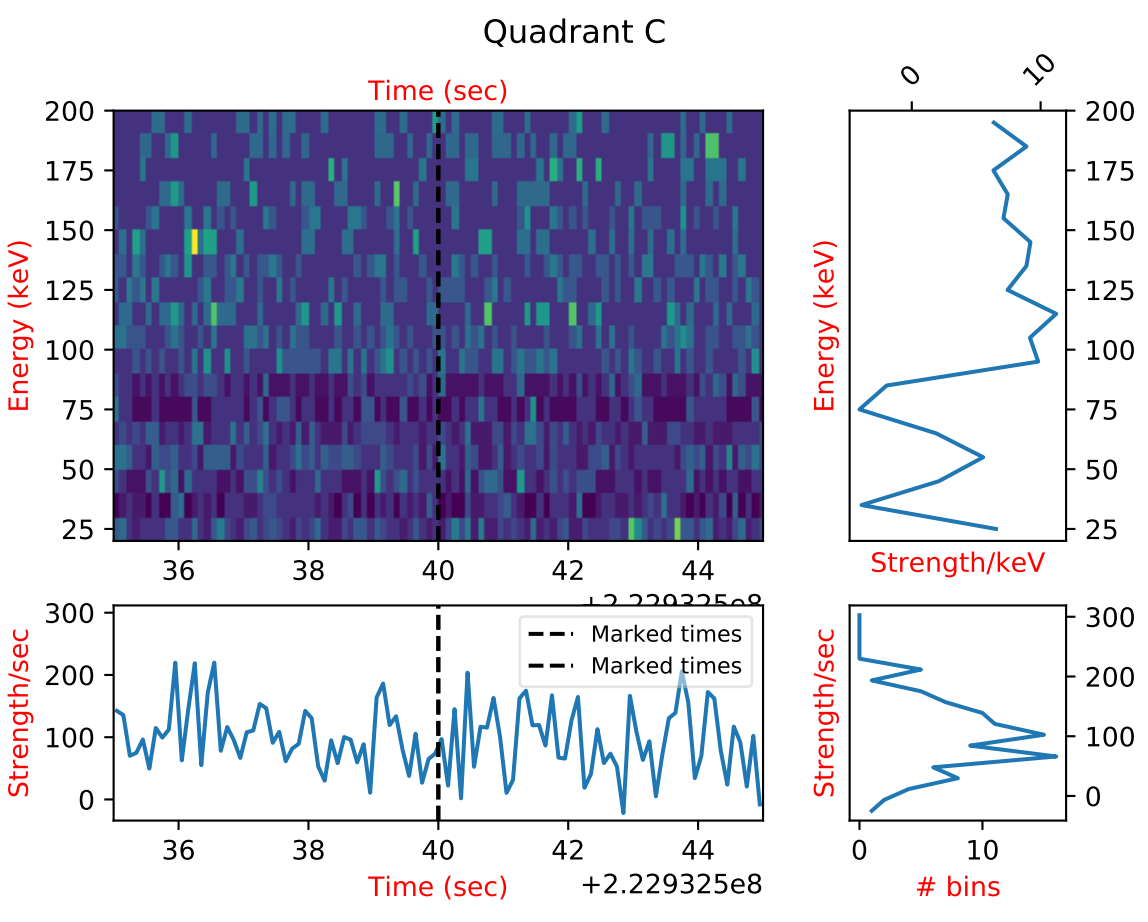

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
+2.229325e8
0
5
Excess counts/keV
Excess counts/sec
300
200
100
0
Marked times
Marked times
Time (sec)
+2.229325e8
20
bins

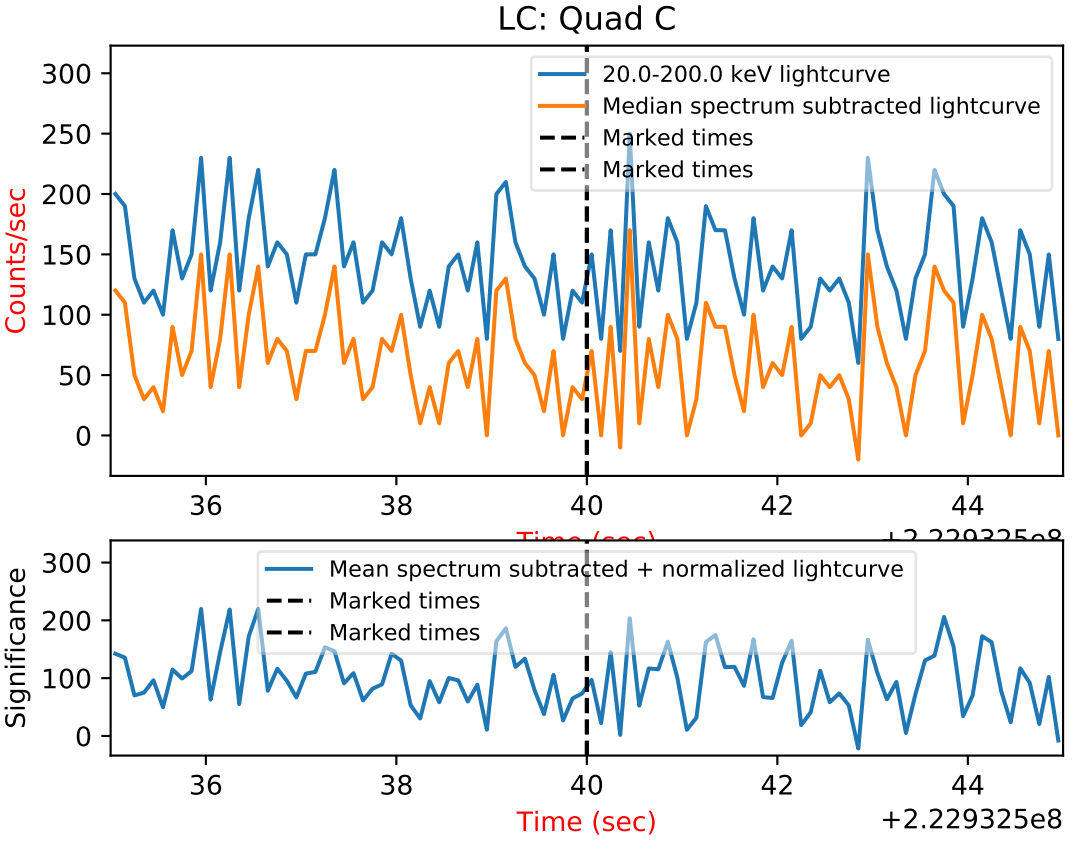

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
+2.229325e8
0
10
Strength/keV
Strength/sec
400
200
0
Marked times
Marked times
bins

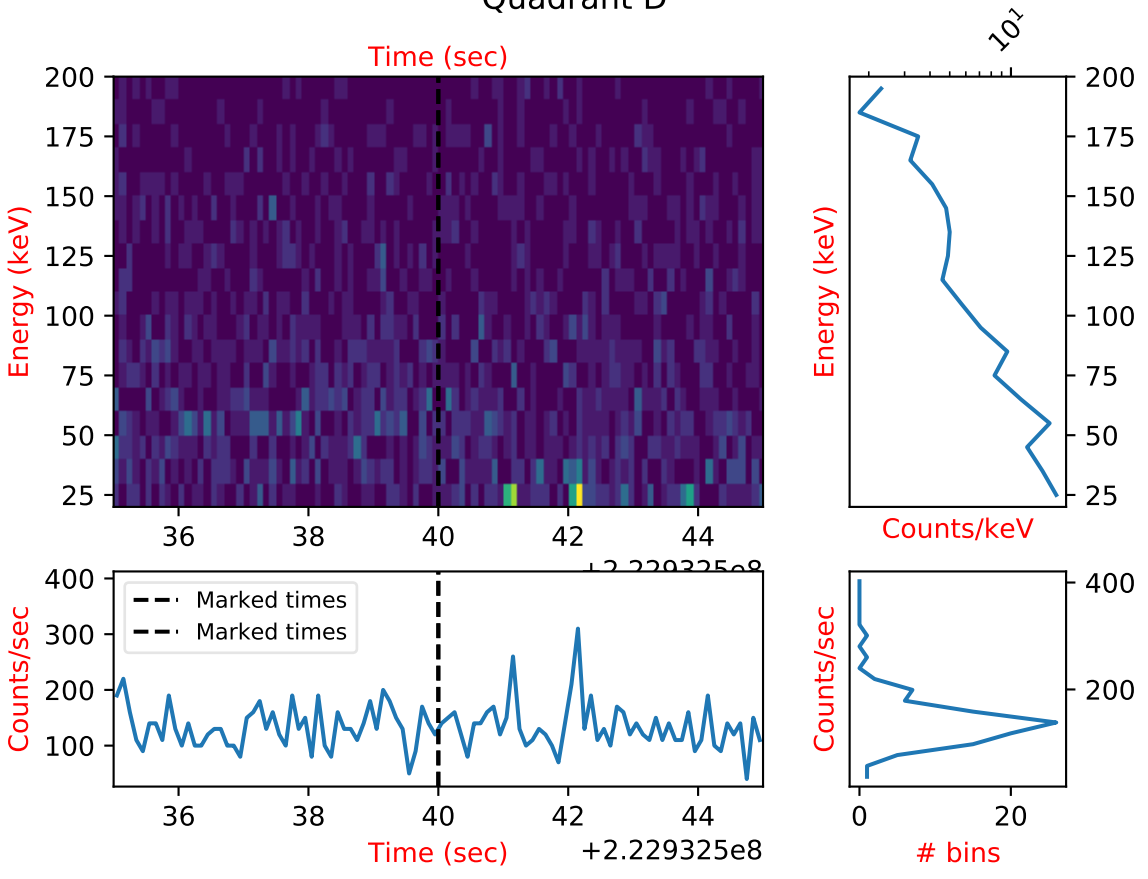

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
350
300
250
200
150
100
50
0
36
38
40
42
44
+2.229325e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
400
200
0
36
38
40
42
44
Time (sec)
+2.229325e8

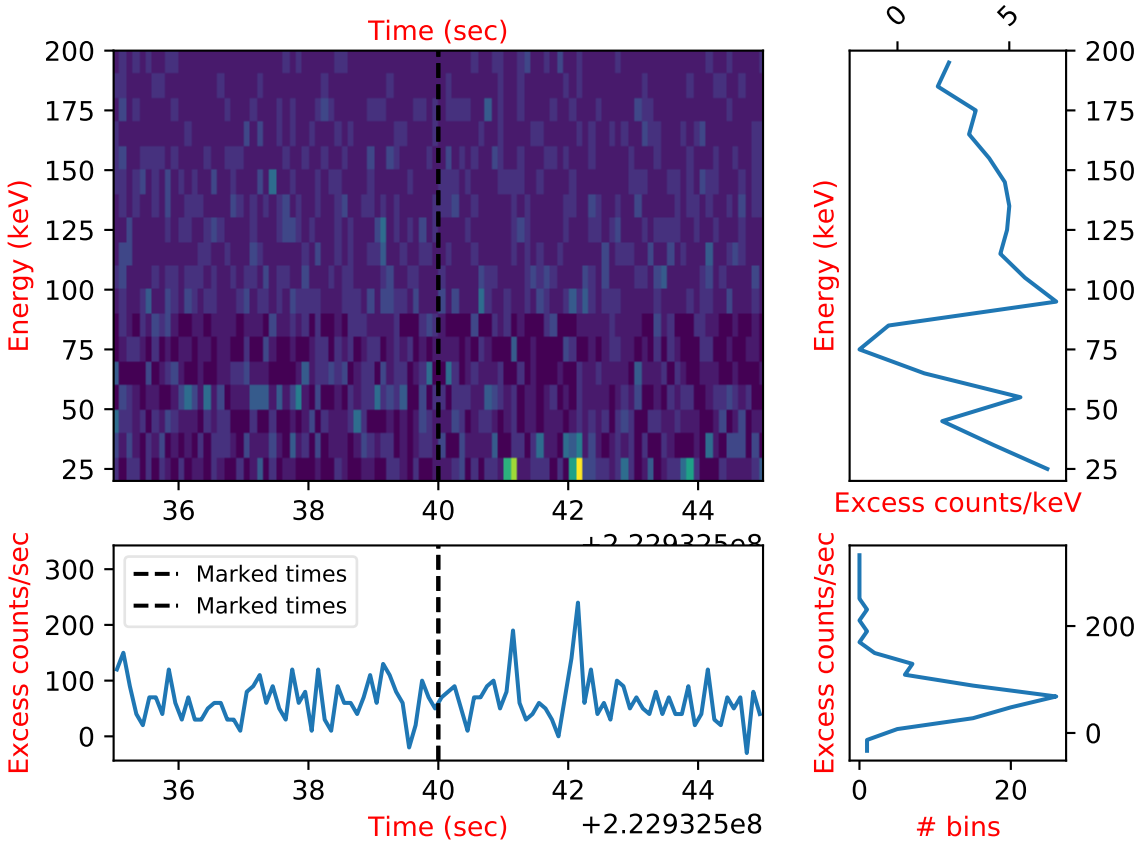

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
10^1
Counts/keV
+2.229325e8
Marked times
Marked times
Counts/sec
300
200
100
0
10
bins

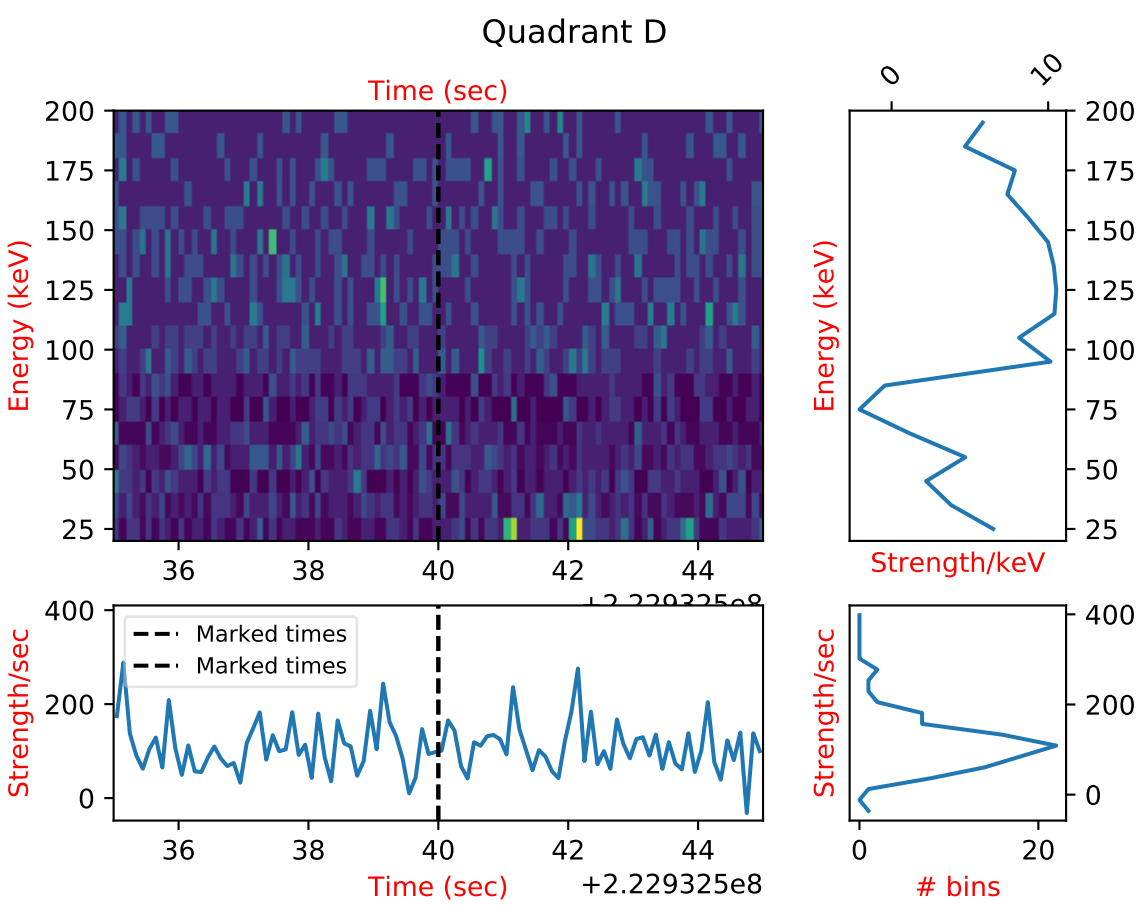

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
−5
0
5
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+2.229325e8
bins
10

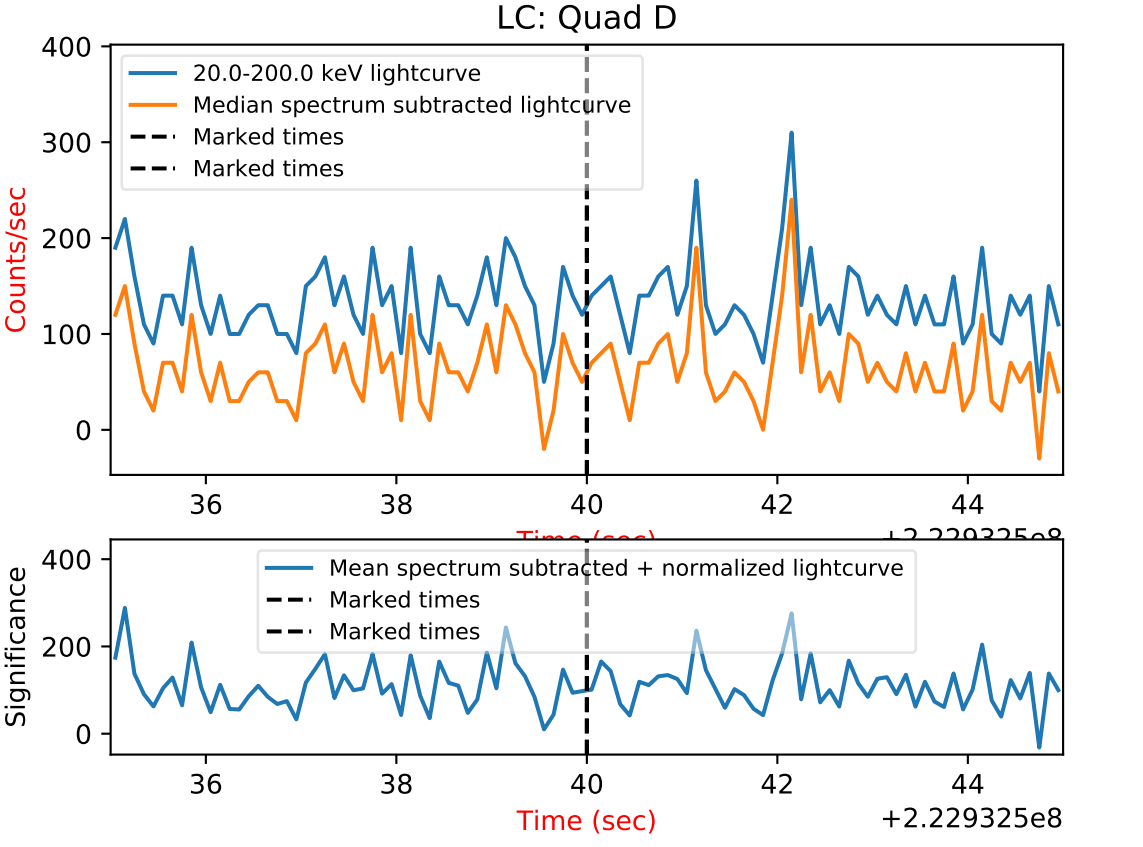

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
+2.229325e8
Strength/keV
0
10
Strength/sec
300
200
100
0
Marked times
Marked times
Time (sec)
+2.229325e8
bins

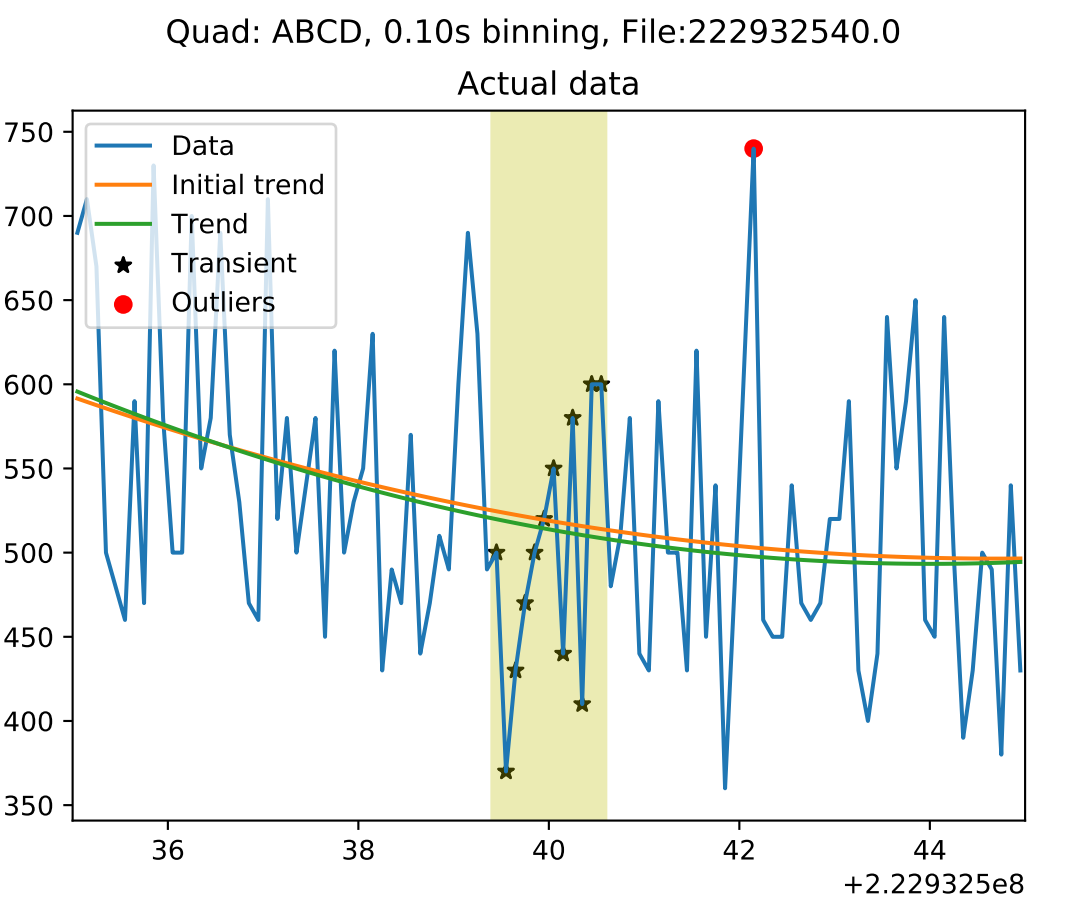

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
250
200
150
100
50
0
36
38
40
42
44
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
300
200
100
0
36
38
40
42
44
Time (sec)
+2.229325e8

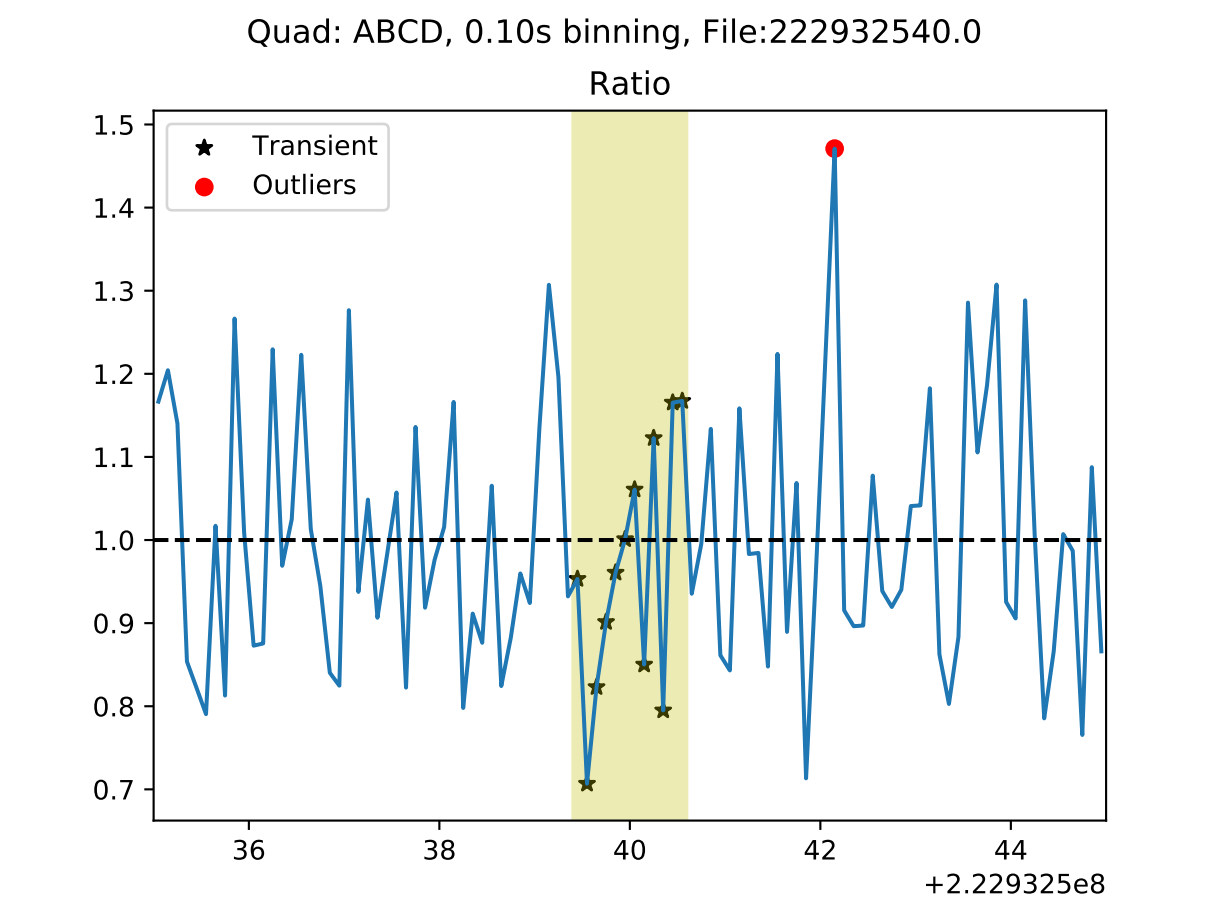

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
10^1
Counts/keV
+2.229325e8
Marked times
Marked times
Counts/sec
400
300
200
100
0
20
bins

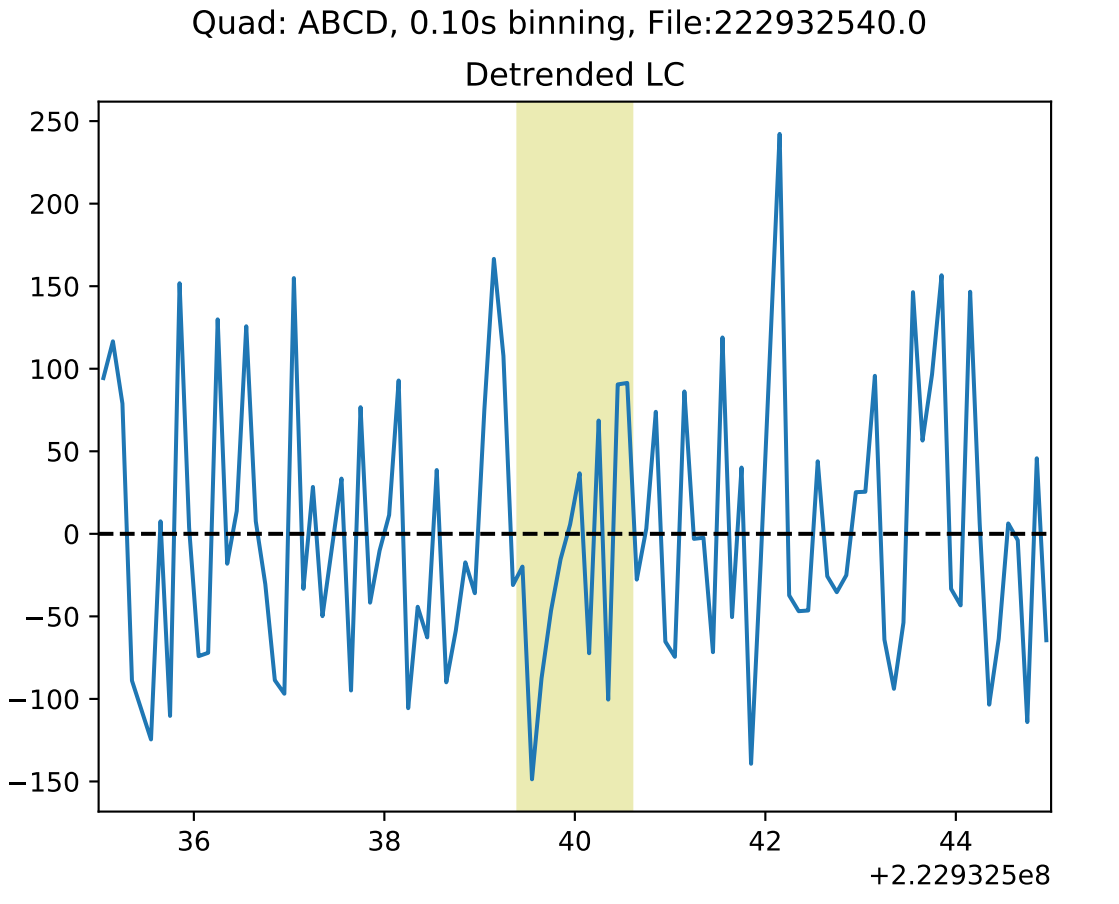

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
0
5
Excess counts/keV
Excess counts/sec
300
200
100
0
Marked times
Marked times
Time (sec)
+2.229325e8
bins
20

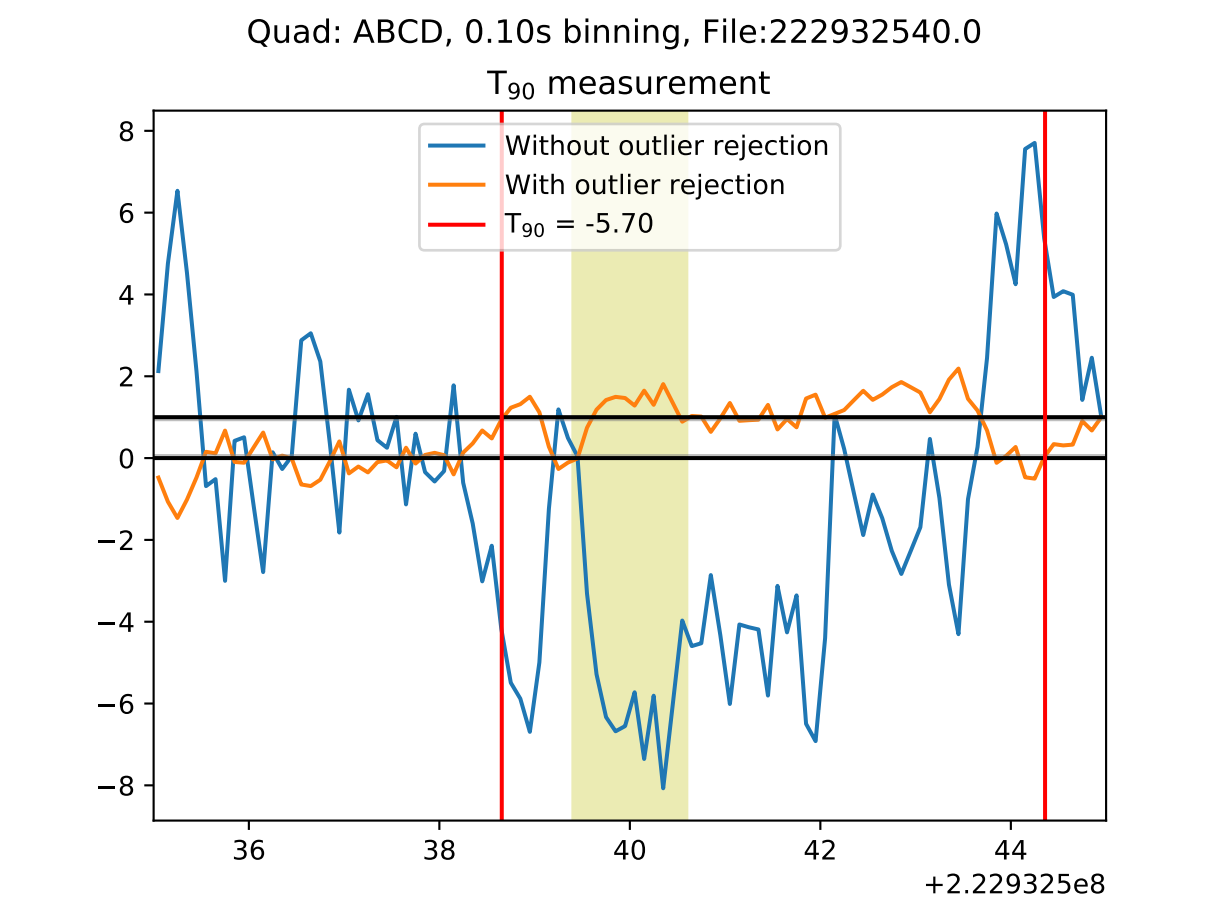

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
36
38
40
42
44
0
10
Strength/keV
Strength/sec
400
200
0
Marked times
Marked times
+2.229325e8
20
bins

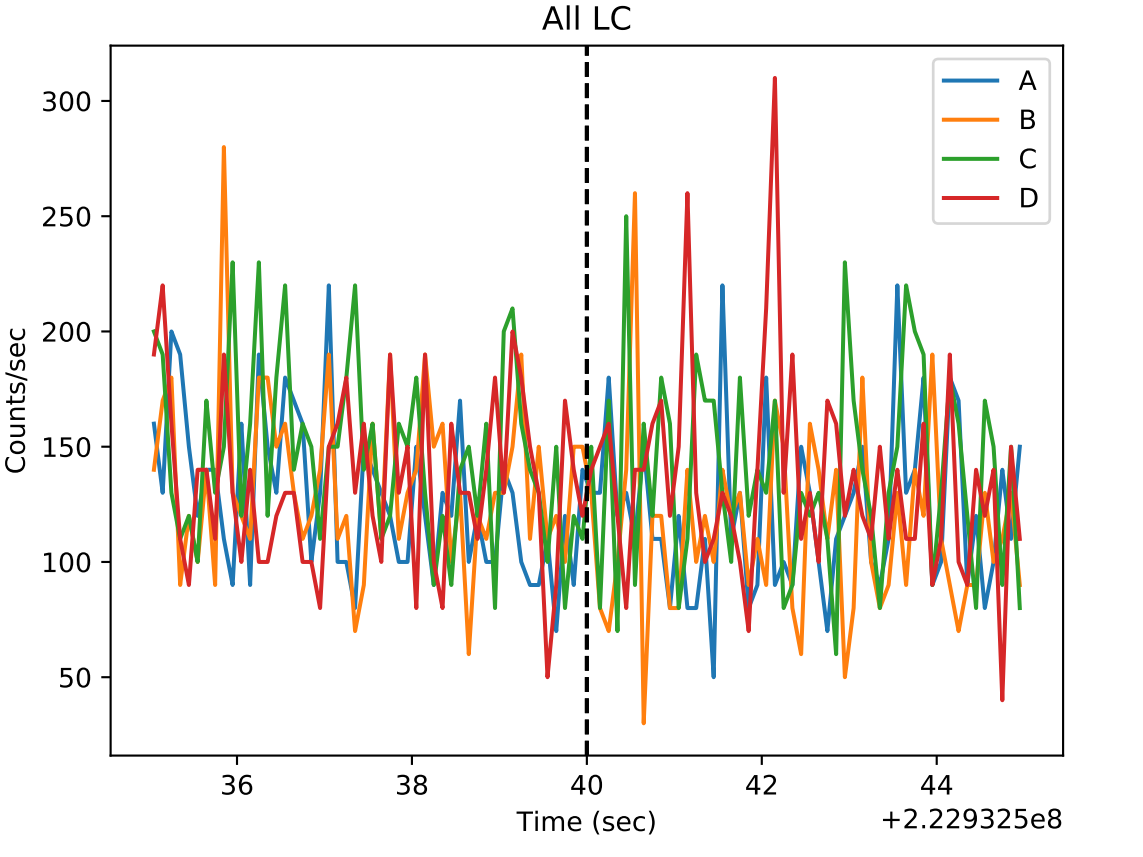

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
400
300
200
100
0
36
38
40
42
44
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
400
200
0
36
38
40
42
44
Time (sec)
+2.229325e8


Quad: ABCD, 0.10s binning, File:222932540.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
750
700
650
600
550
500
450
400
350
36
38
40
42
44
+2.229325e8


Quad: ABCD, 0.10s binning, File:222932540.0
Ratio
Transient
Outliers
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
36
38
40
42
44
+2.229325e8


Quad: ABCD, 0.10s binning, File:222932540.0
Detrended LC
250
200
150
100
50
0
−50
−100
−150
36
38
40
42
44
+2.229325e8


Quad: ABCD, 0.10s binning, File:222932540.0
T90 measurement
Without outlier rejection
With outlier rejection
T90 = -5.70
8
6
4
2
0
−2
−4
−6
−8
36
38
40
42
44
+2.229325e8


All LC
A
B
C
D
300
250
200
150
100
50
Counts/sec
36
38
40
42
44
Time (sec)
+2.229325e8