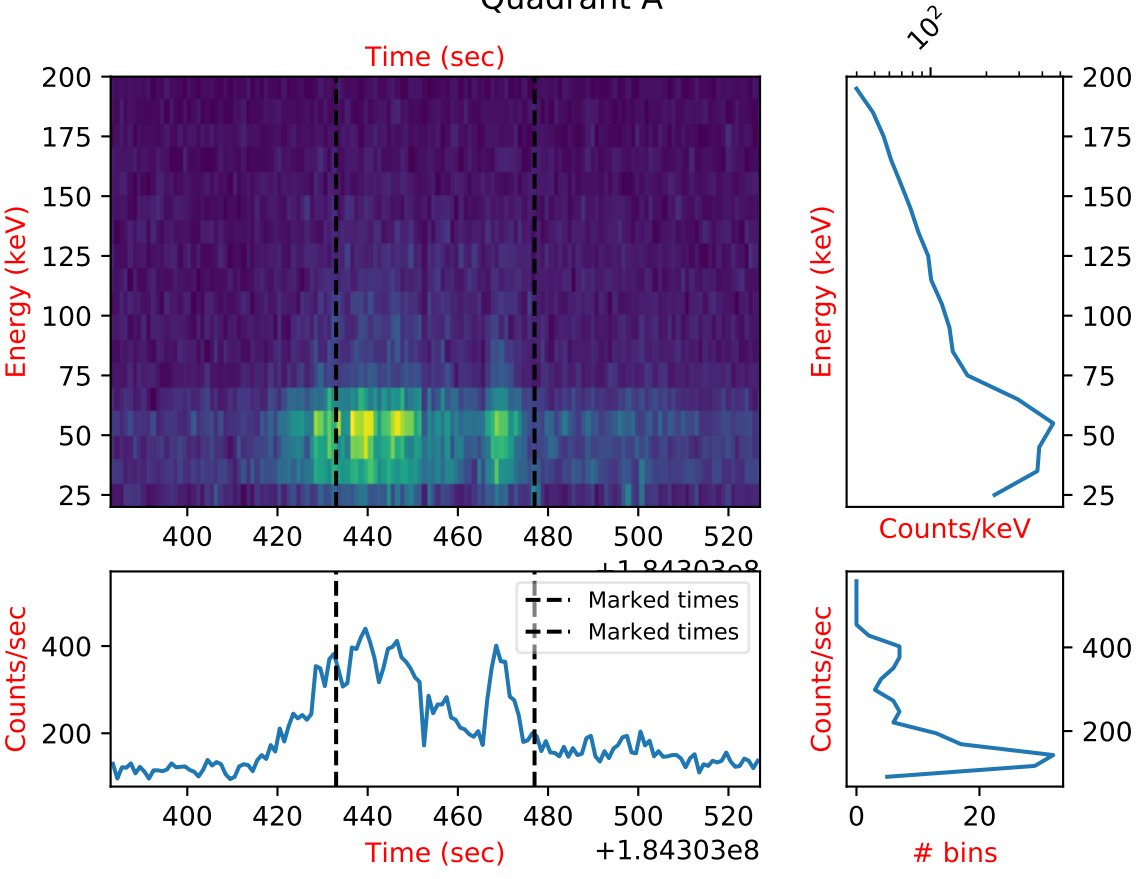
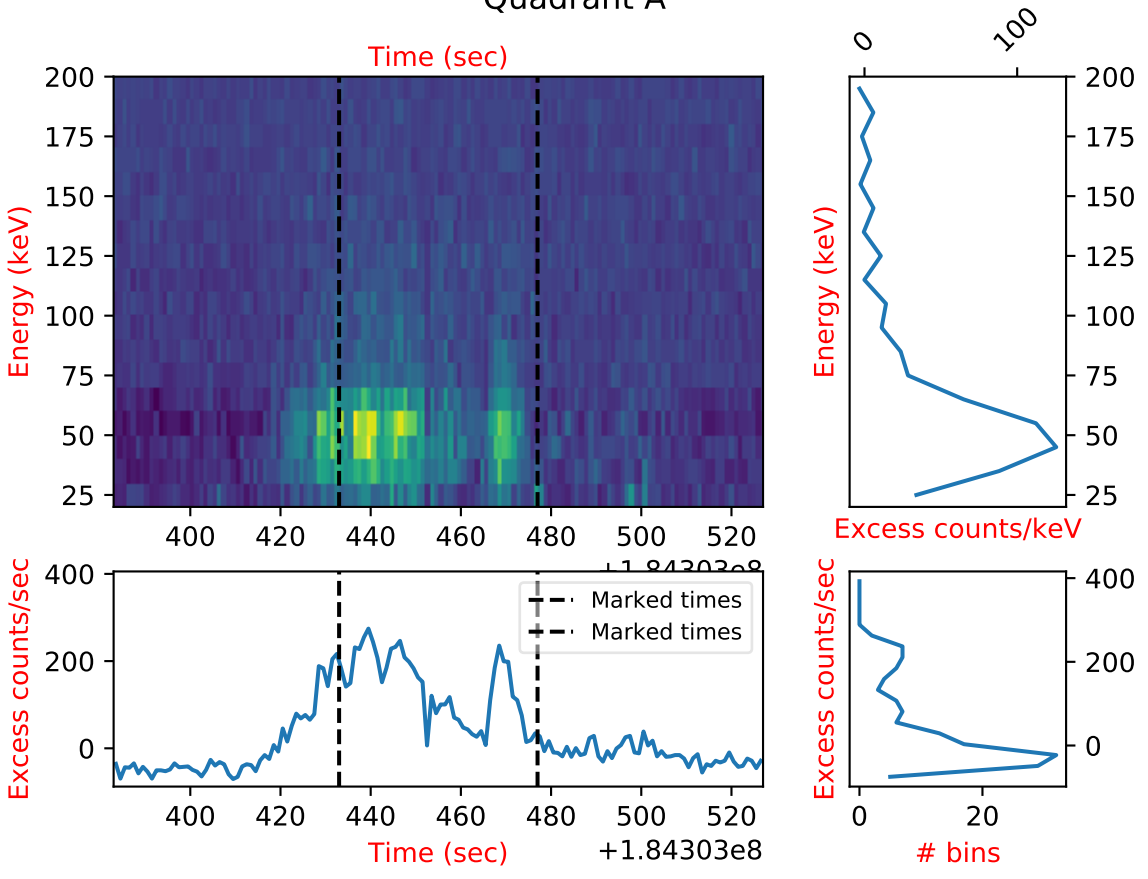
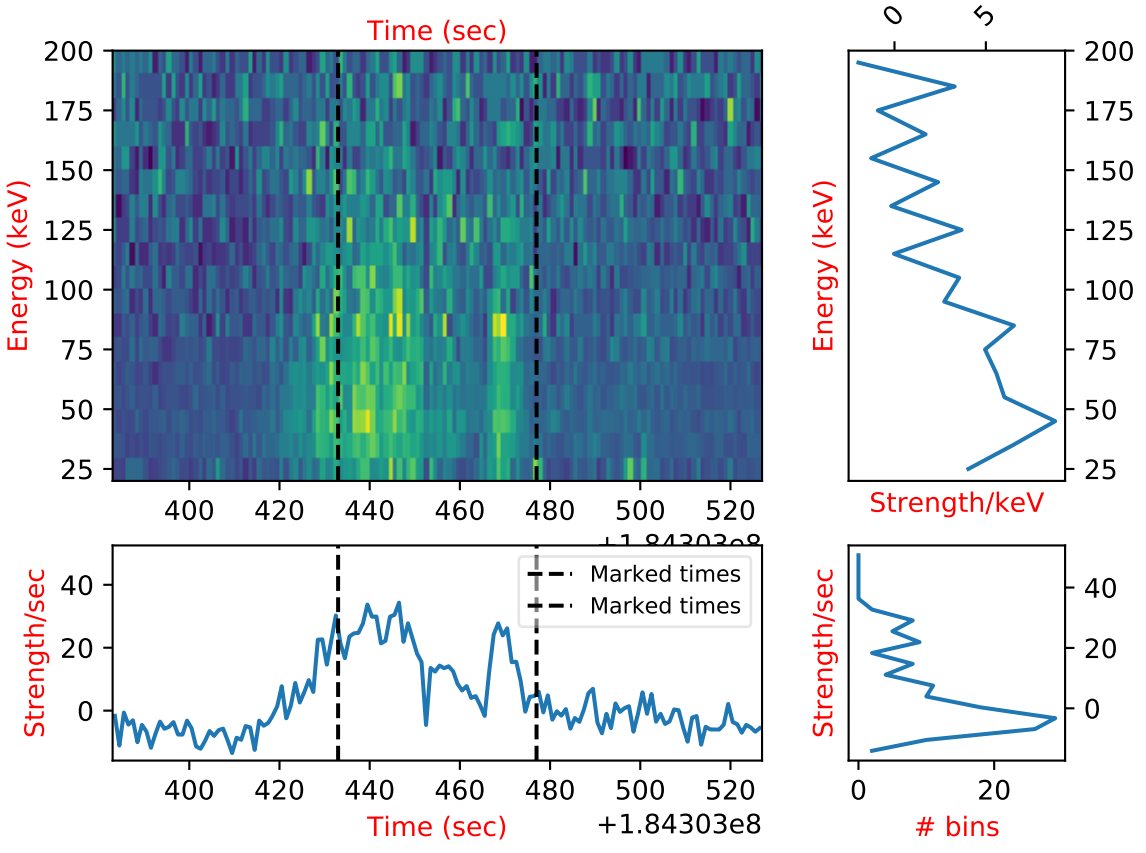
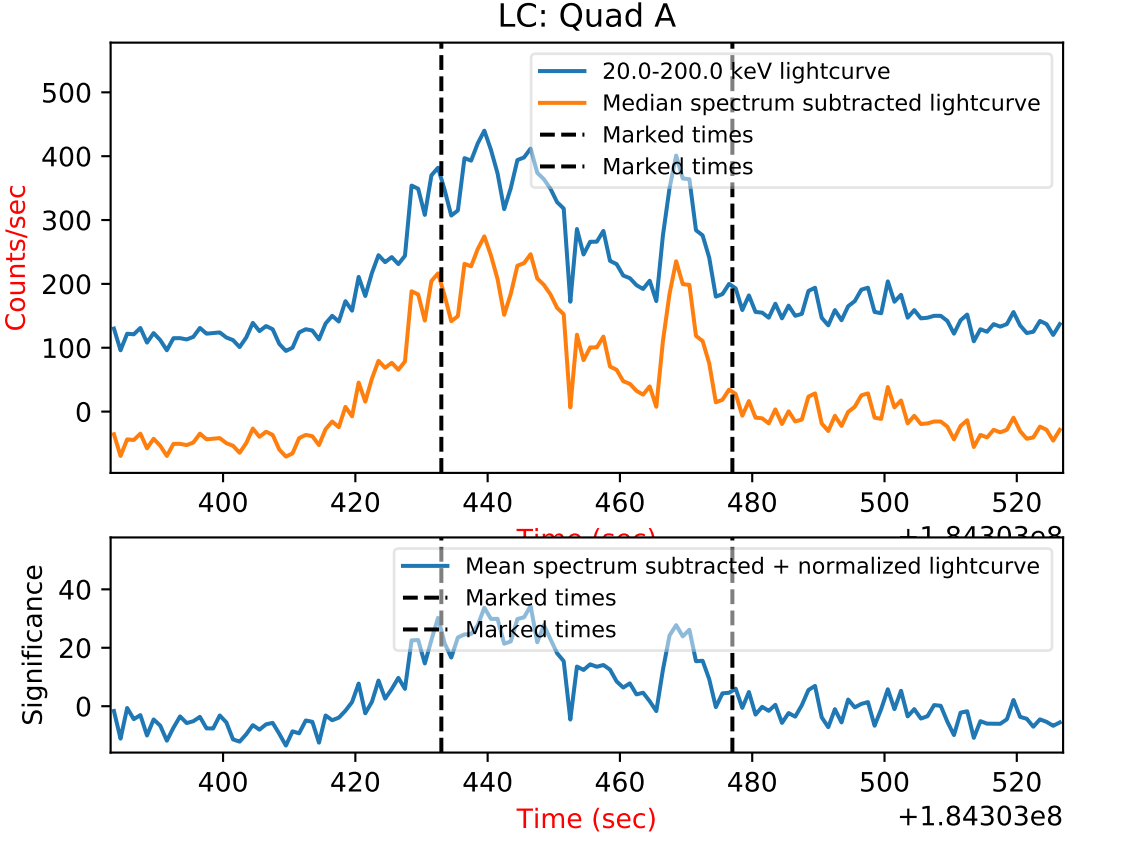
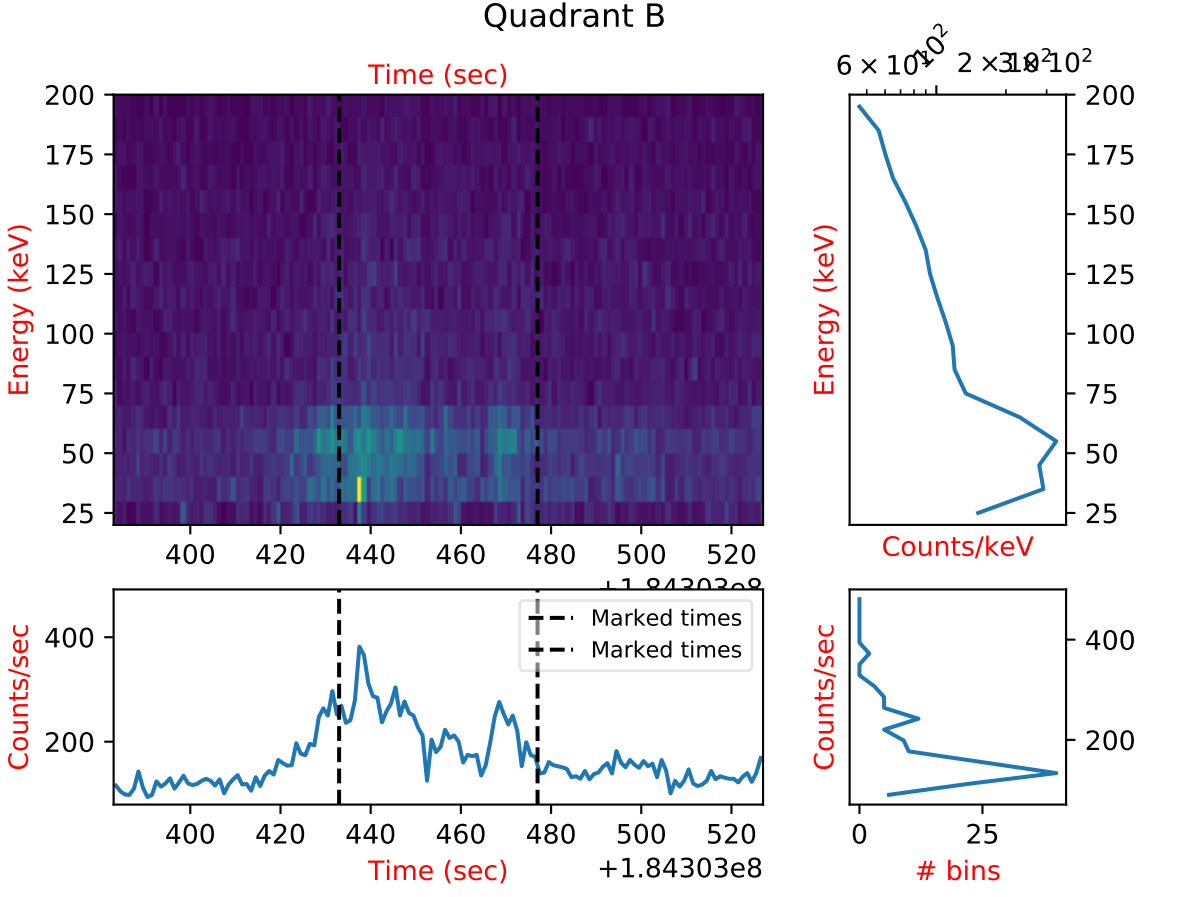
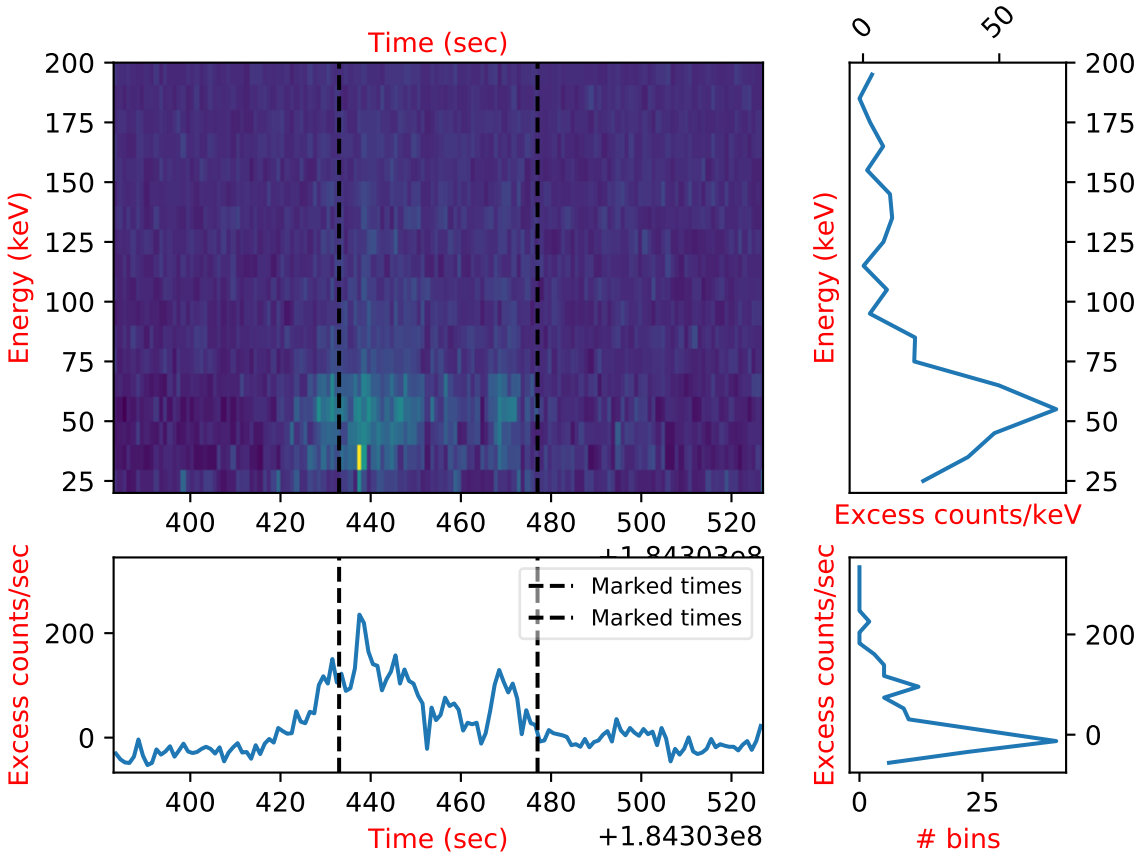

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
10^2
Counts/keV
Marked times
Marked times
Counts/sec
Time (sec)
+1.84303e8
bins
0
20

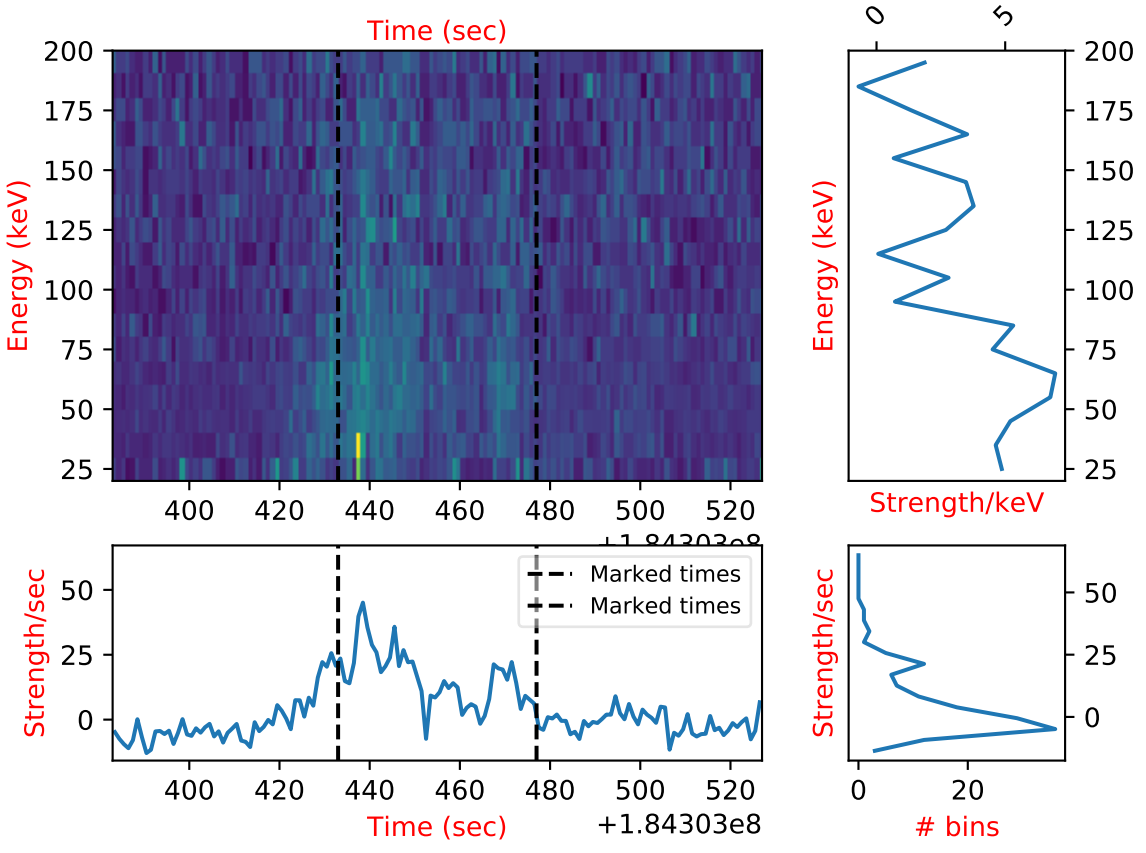

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
0
100
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+1.84303e8
bins

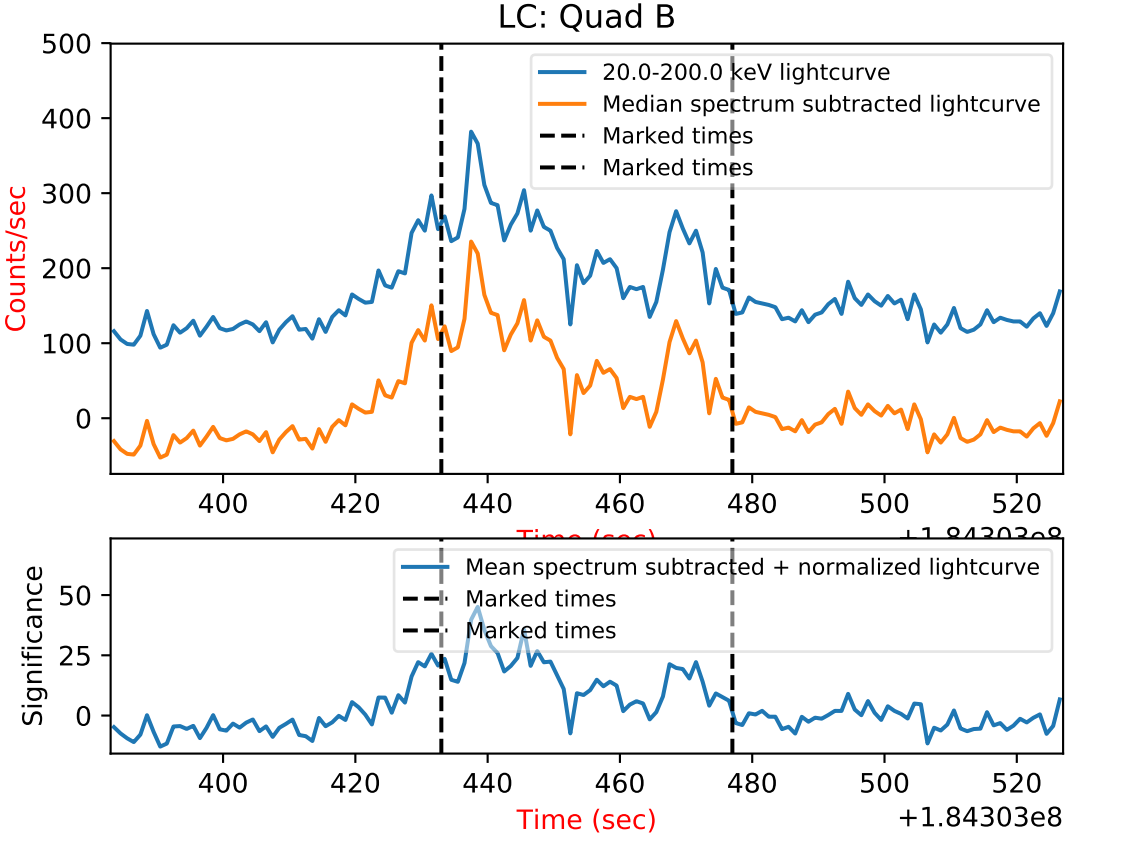

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
0
5
Strength/keV
Strength/sec
40
20
0
Marked times
Marked times
+1.84303e8
bins

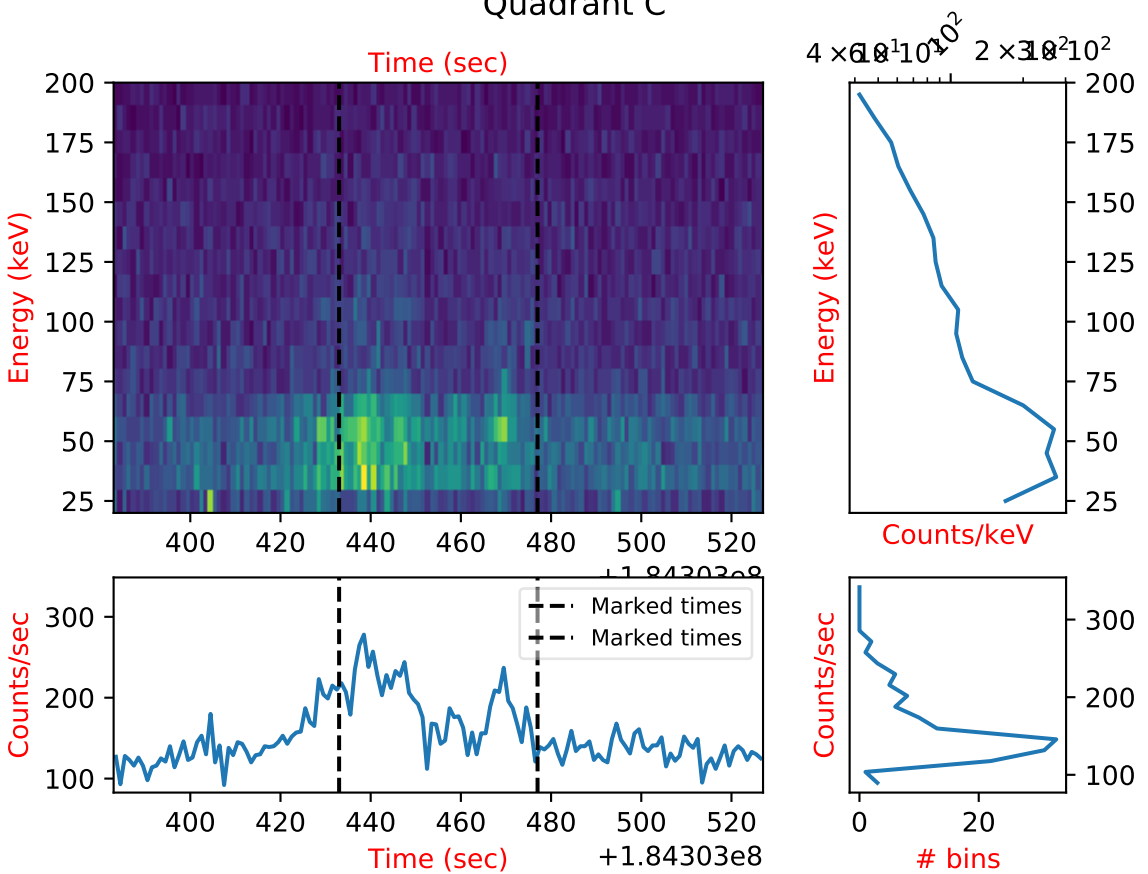

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
500
400
300
200
100
0
400
420
440
460
480
500
520
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
40
20
0
Time (sec)
+1.84303e8

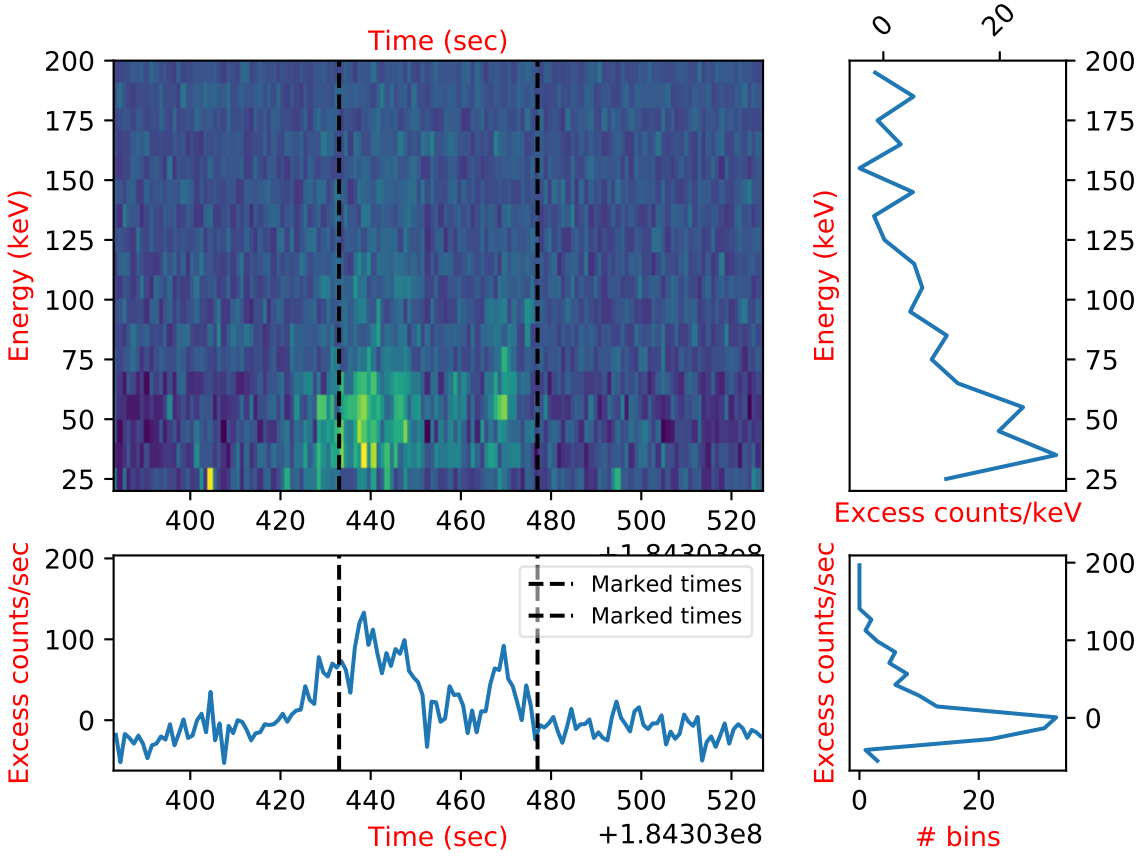

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
6 × 10^2
2 × 10^2
Counts/keV
Counts/sec
Marked times
Marked times
+1.84303e8
0
25
bins

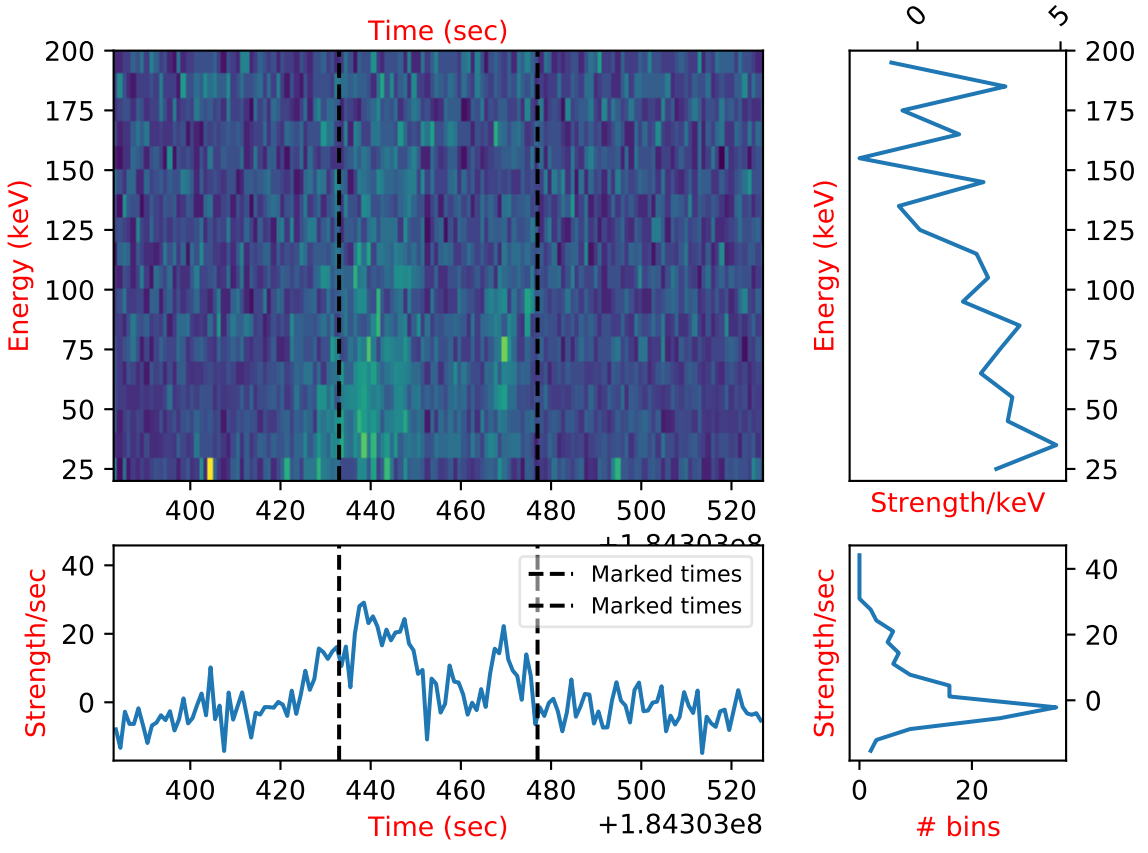

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
0
50
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+1.84303e8
bins

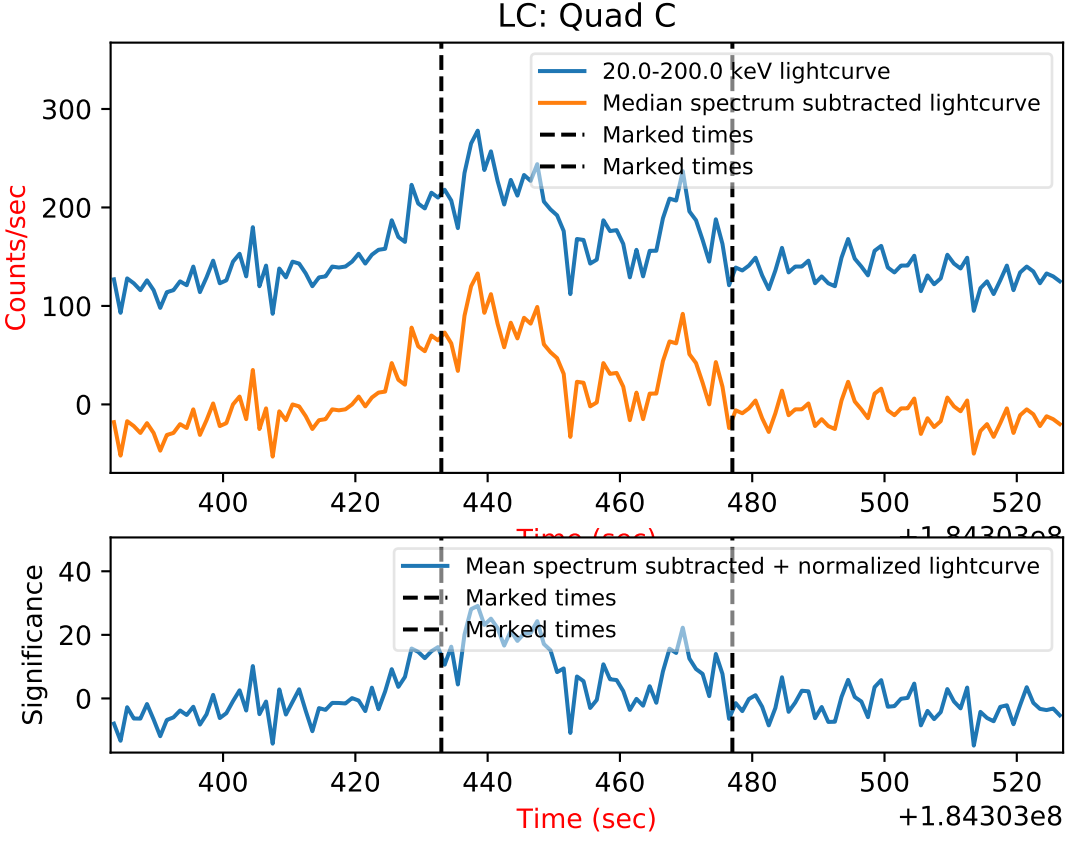

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
0
5
Strength/keV
Strength/sec
Marked times
Marked times
+1.84303e8
bins
20

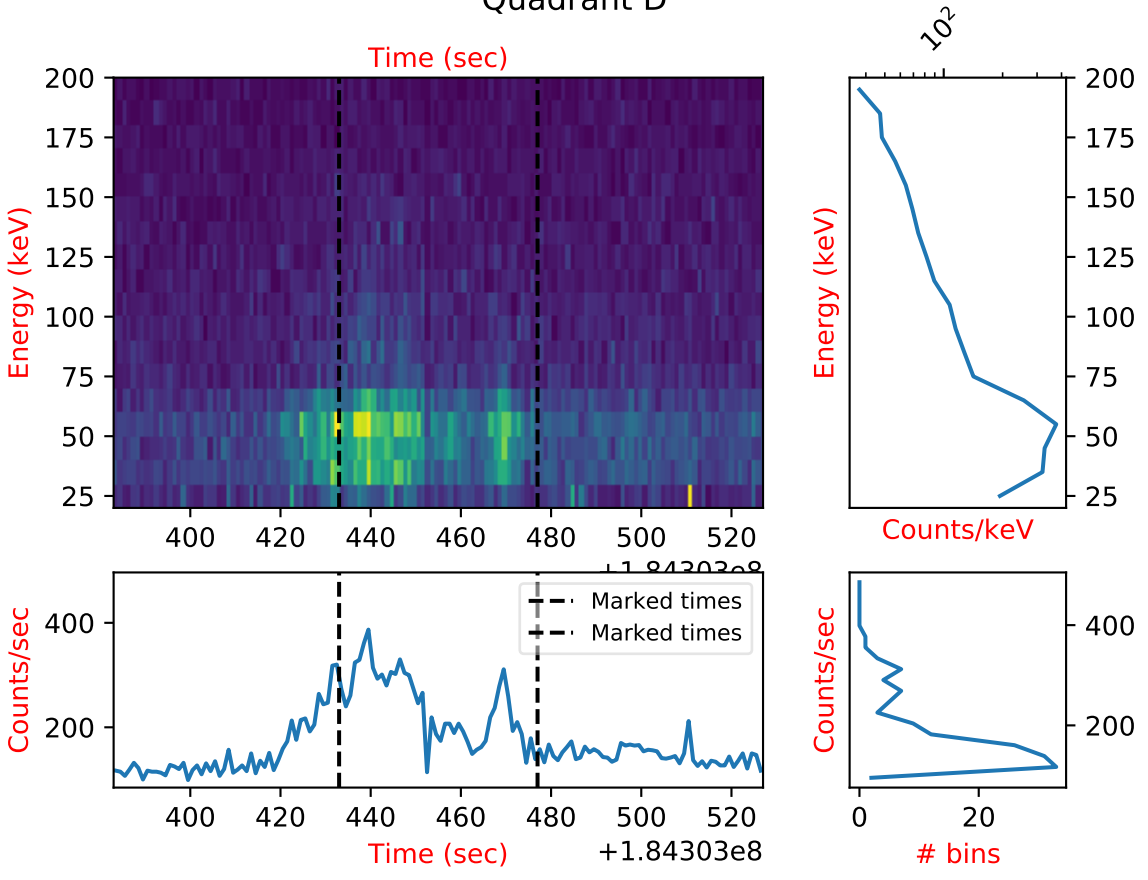

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
500
400
300
200
100
0
400
420
440
460
480
500
520
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
50
25
0
Time (sec)
+1.84303e8

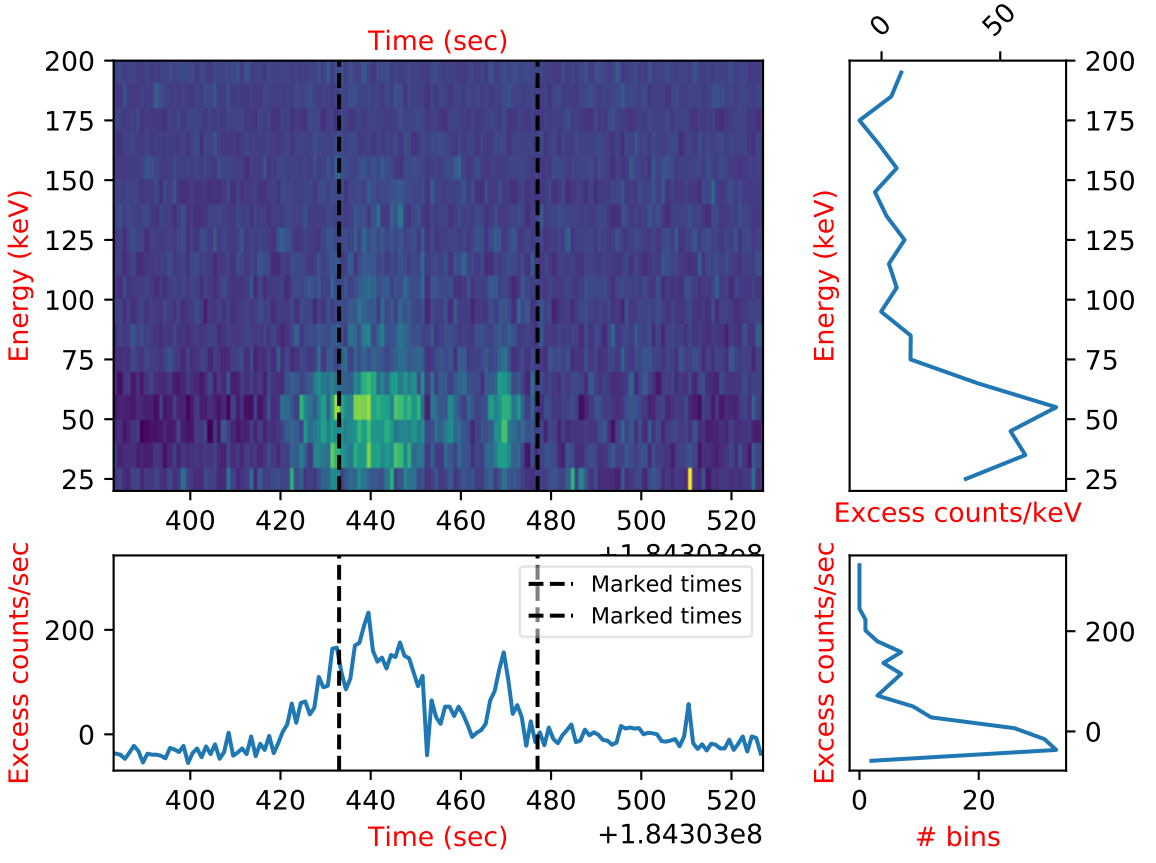

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
+1.84303e8
Counts/sec
300
200
100
Marked times
Marked times
Time (sec)
+1.84303e8
Energy (keV)
Counts/keV
Counts/sec
0
20
bins

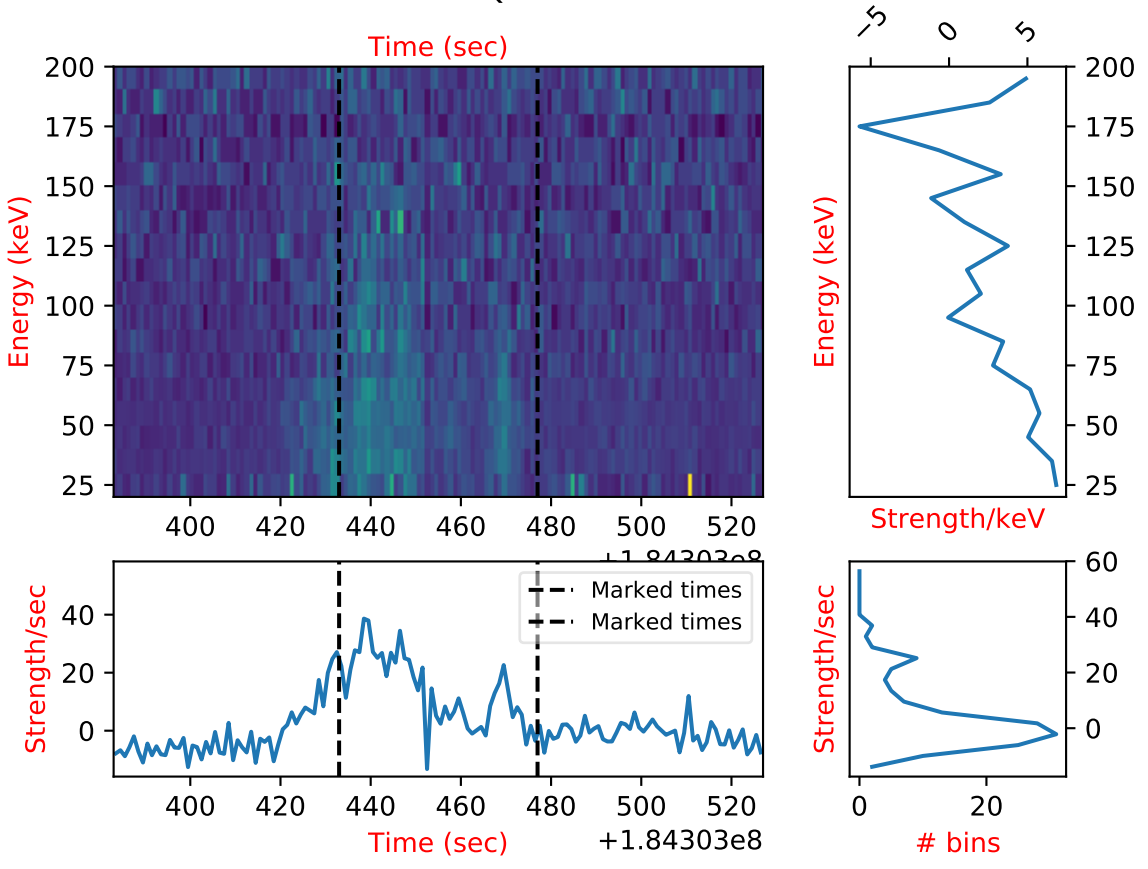

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
+1.84303e8
0
20
Excess counts/keV
Excess counts/sec
Marked times
Marked times
bins

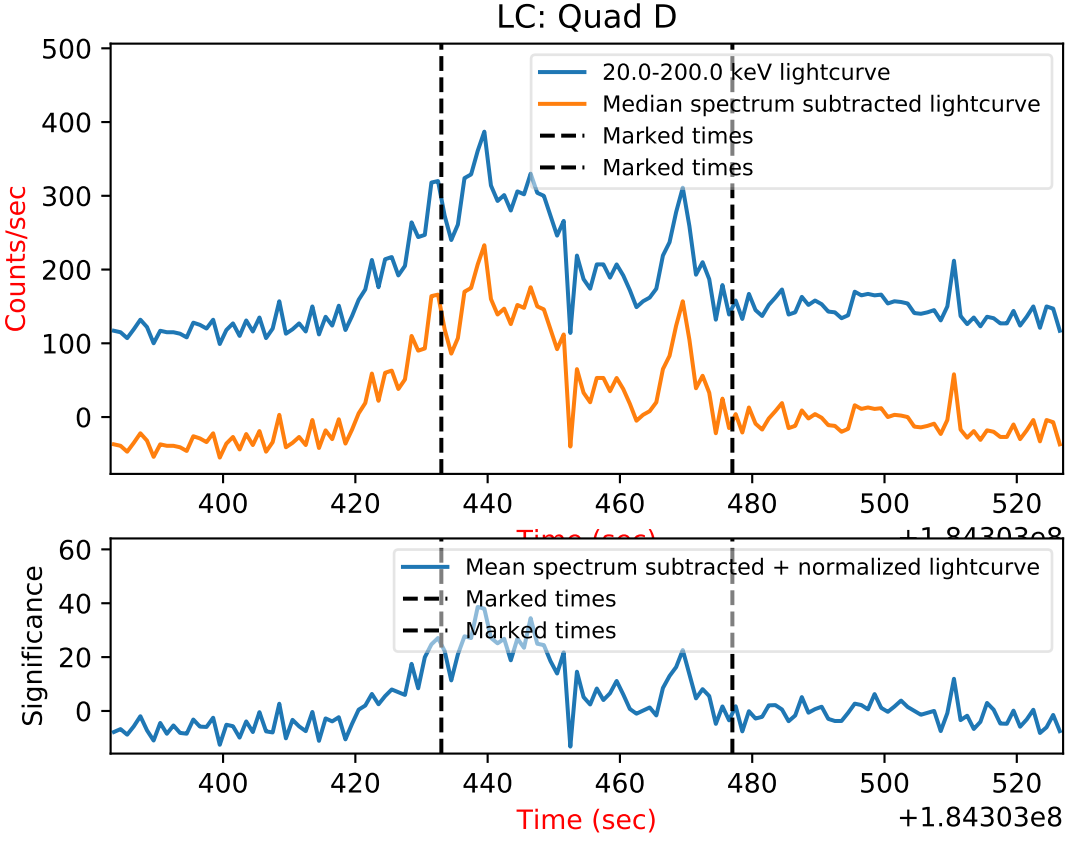

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
0
5
Strength/keV
Strength/sec
40
20
0
Marked times
Marked times
+1.84303e8
bins

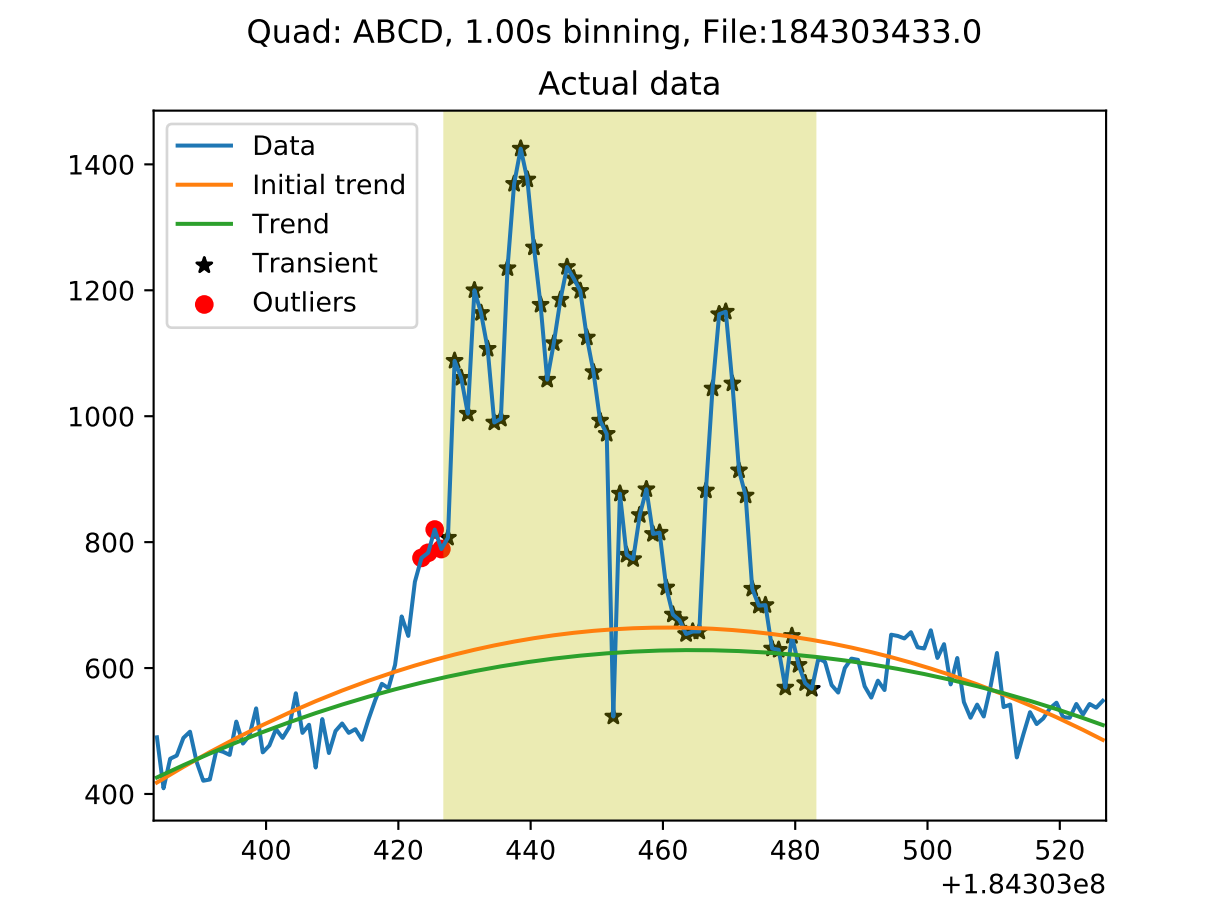

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
200
100
0
400
420
440
460
480
500
520
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
40
20
0
Time (sec)
+1.84303e8

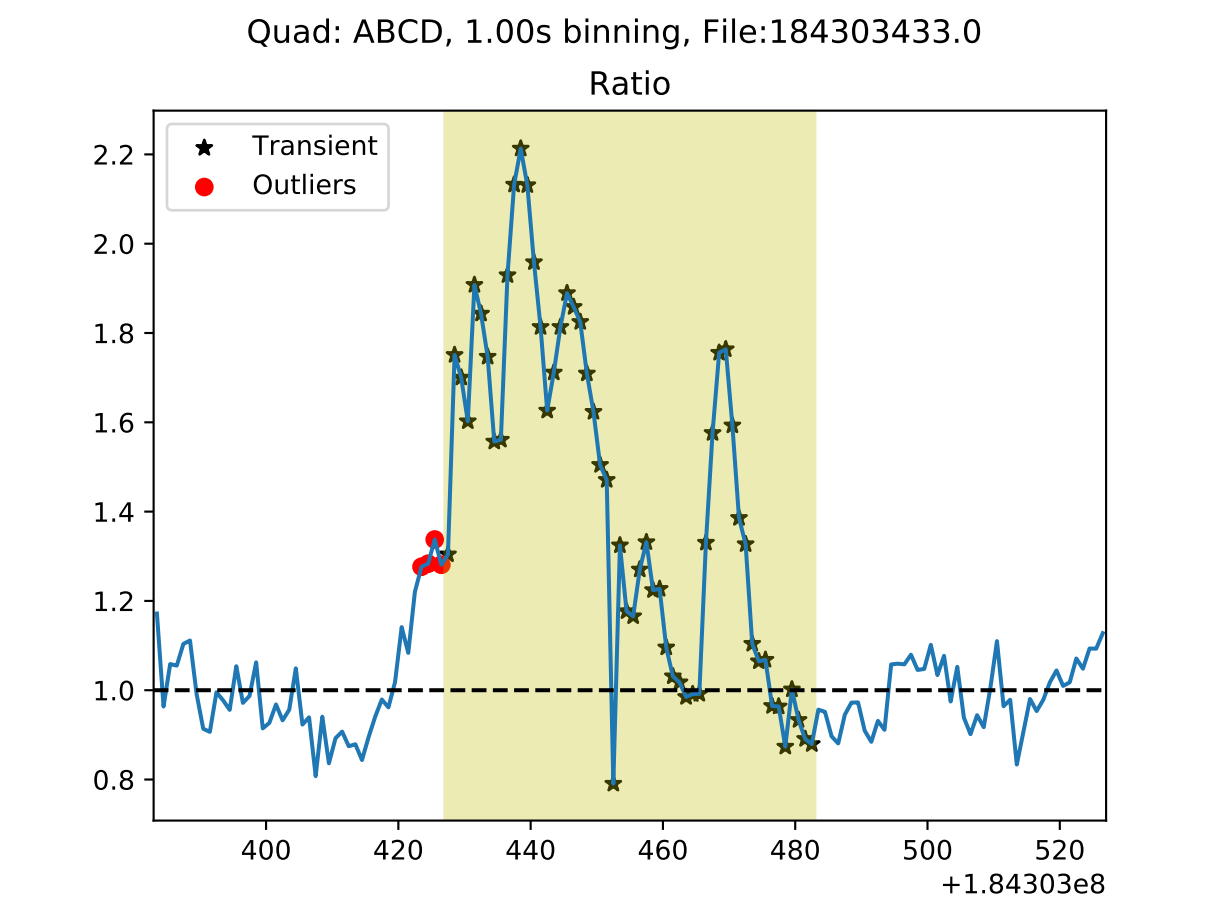

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
10^2
Counts/keV
Counts/sec
Marked times
Marked times
0
20
bins
+1.84303e8

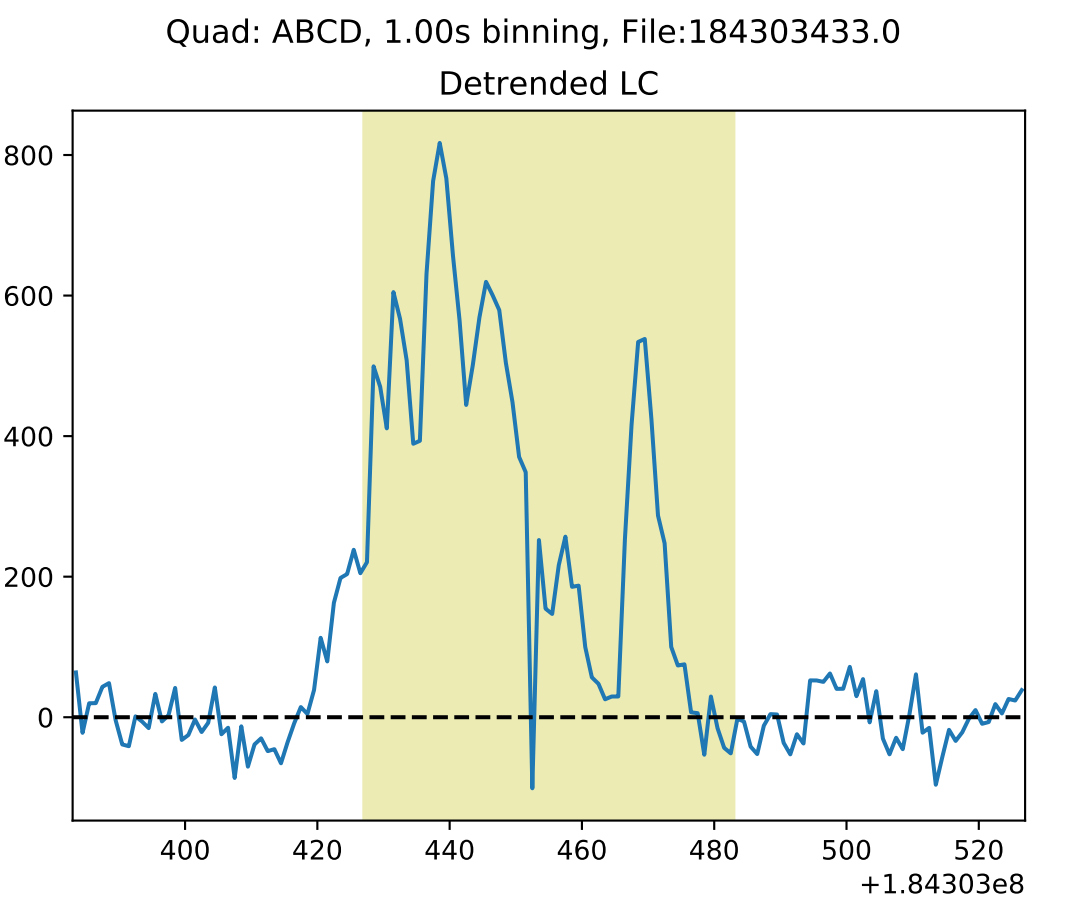

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
0
50
Excess counts/keV
Excess counts/sec
Marked times
Marked times
200
0
+1.84303e8
bins
20

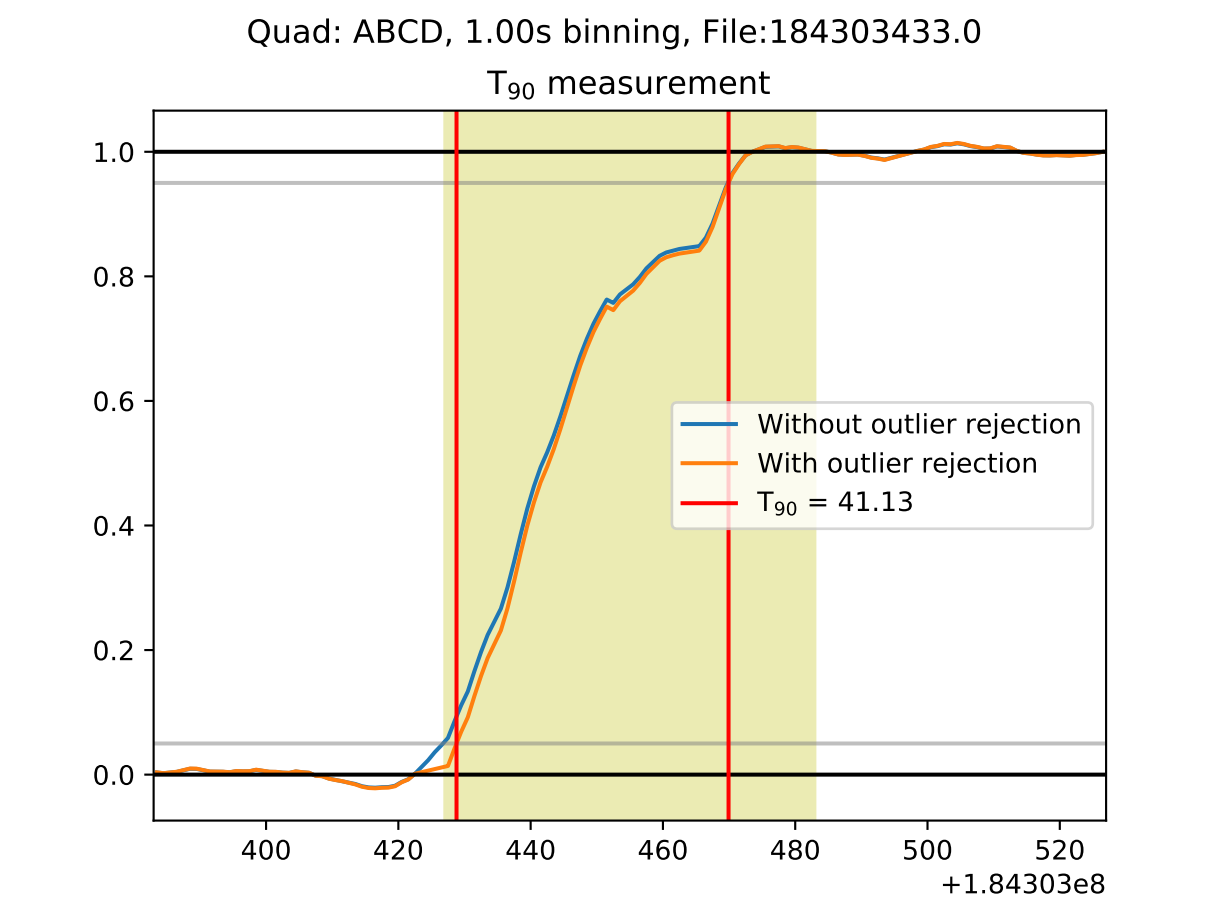

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
400
420
440
460
480
500
520
−5
0
5
Strength/keV
Strength/sec
Marked times
Marked times
40
20
0
60
bins
+1.84303e8

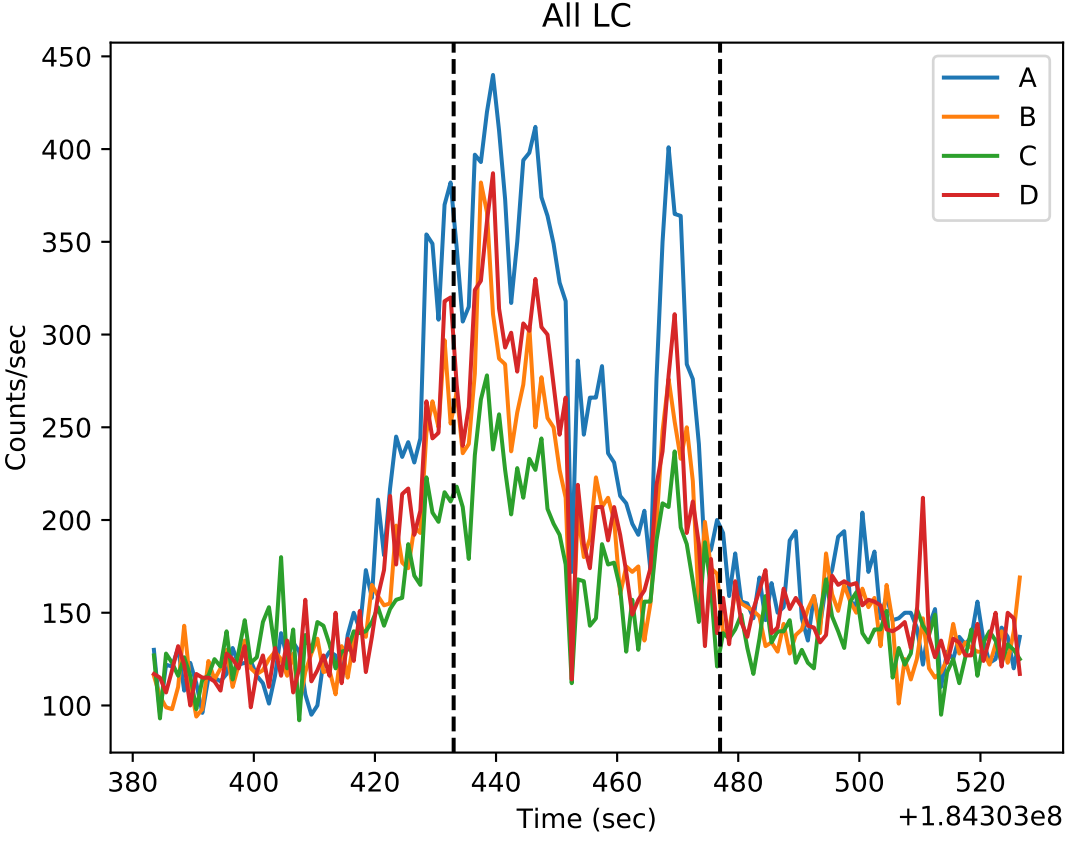

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
500
400
300
200
100
0
400
420
440
460
480
500
520
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
60
40
20
0
Time (sec)
+1.84303e8


Quad: ABCD, 1.00s binning, File:184303433.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
1400
1200
1000
800
600
400
400
420
440
460
480
500
520
+1.84303e8


Quad: ABCD, 1.00s binning, File:184303433.0
Ratio
Transient
Outliers
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
400
420
440
460
480
500
520
+1.84303e8


Quad: ABCD, 1.00s binning, File:184303433.0
Detrended LC
800
600
400
200
0
400
420
440
460
480
500
520
+1.84303e8


Quad: ABCD, 1.00s binning, File:184303433.0
T90 measurement
1.0
0.8
0.6
0.4
0.2
0.0
400
420
440
460
480
500
520
+1.84303e8
Without outlier rejection
With outlier rejection
T90 = 41.13


All LC
Counts/sec
Time (sec)
+1.84303e8
A
B
C
D
450
400
350
300
250
200
150
100
380
400
420
440
460
480
500
520