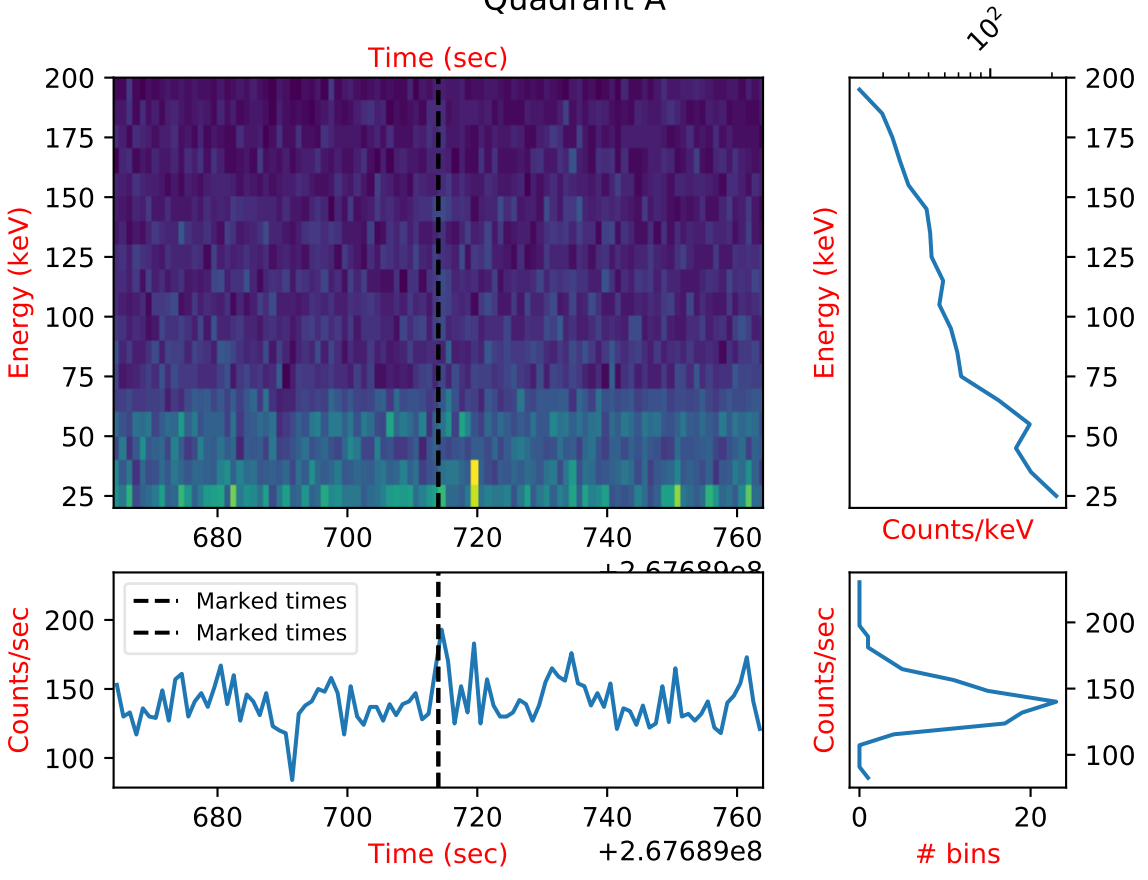
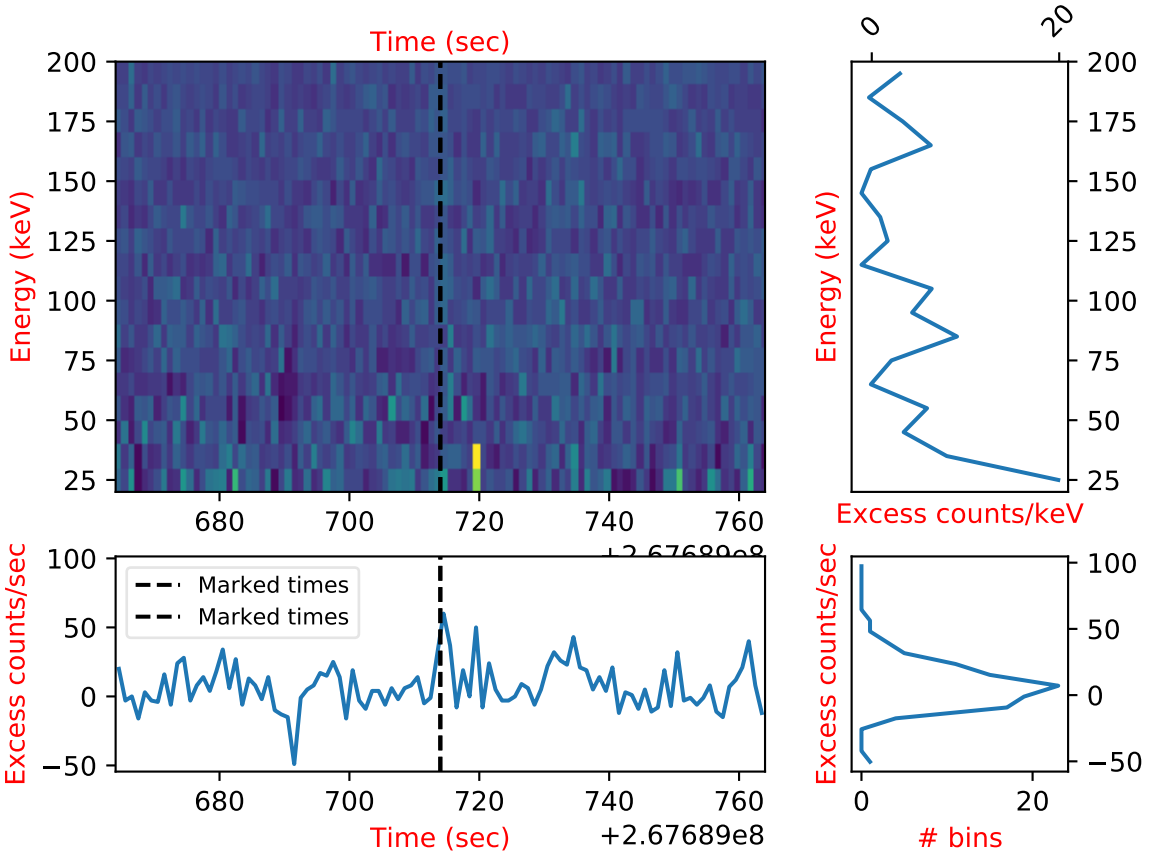
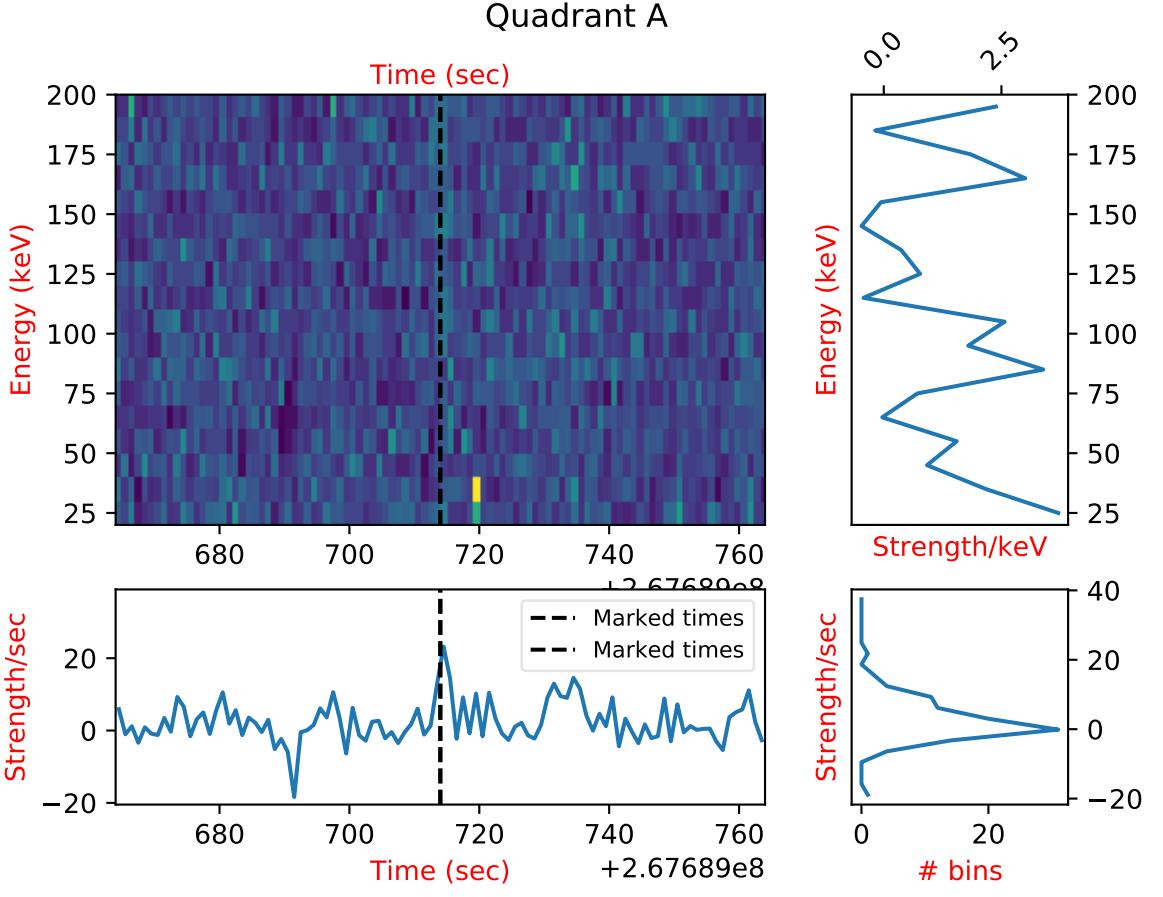
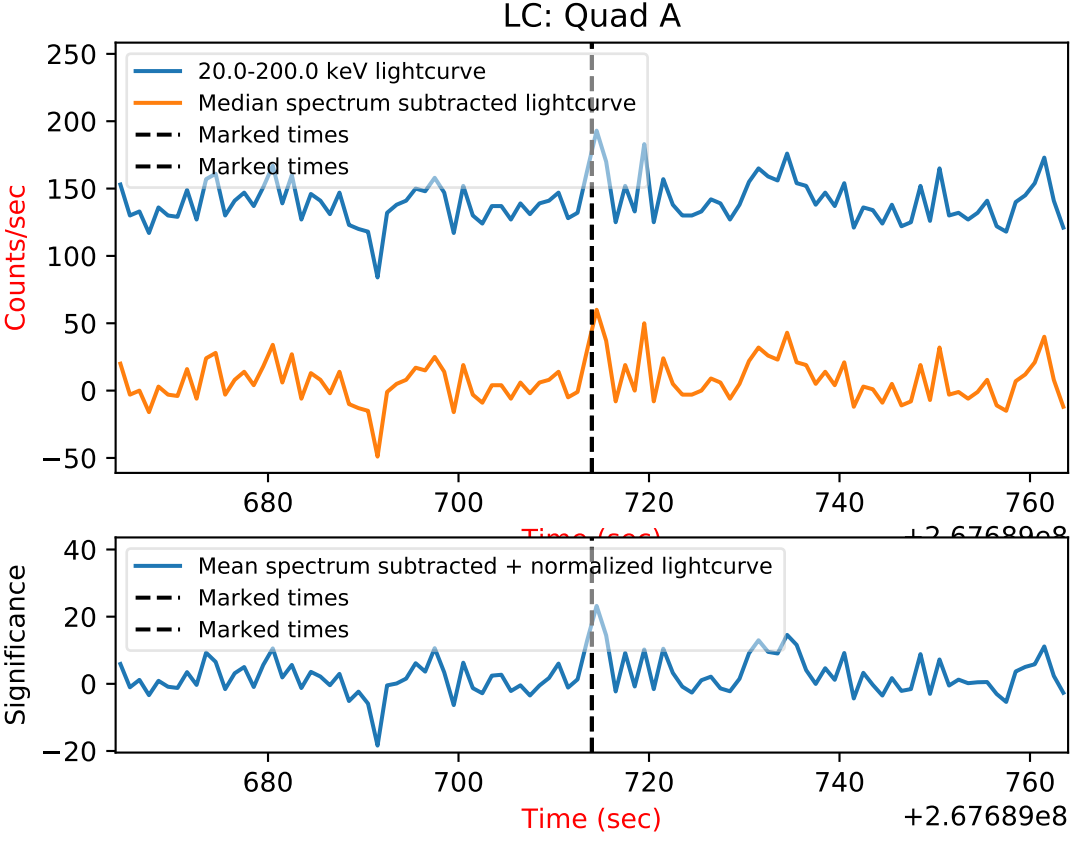
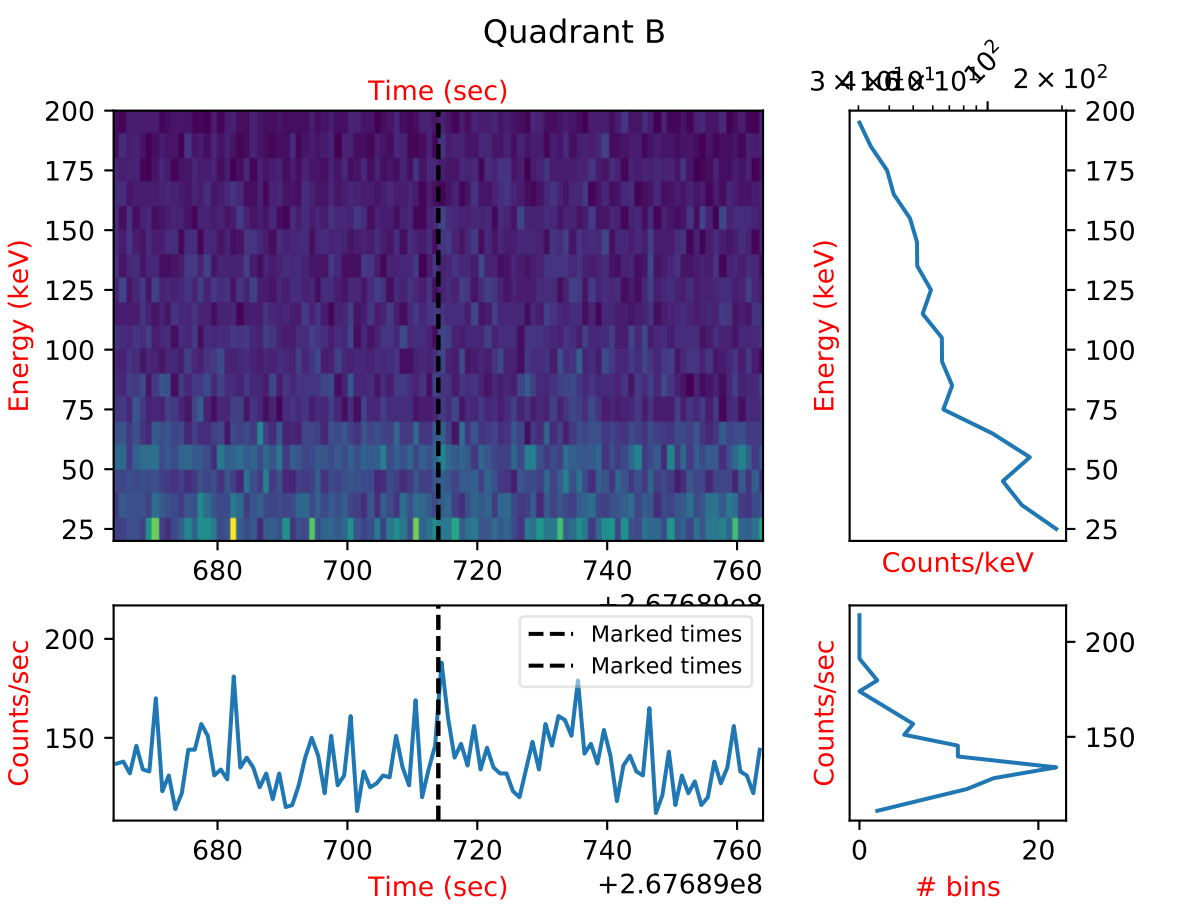
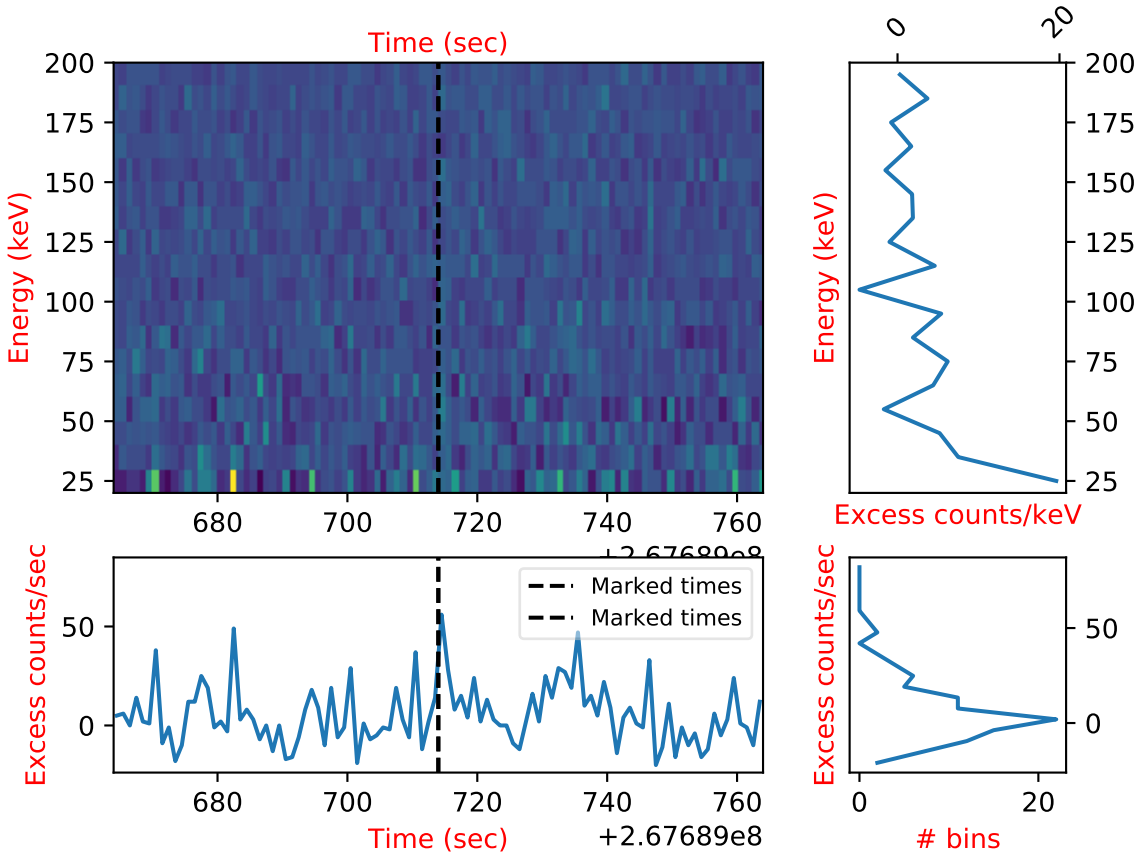

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
10^2
Counts/keV
Marked times
Marked times
Counts/sec
+2.67689e8
0
20
bins

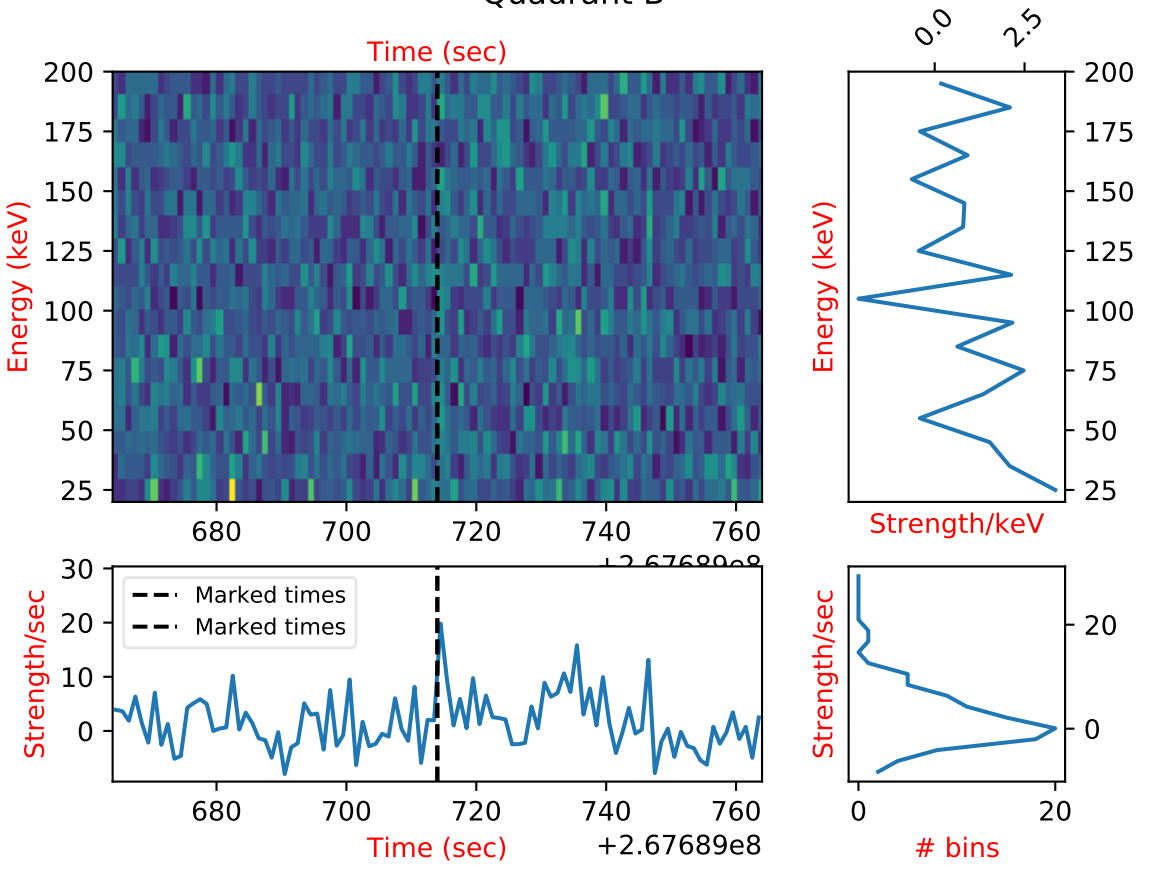

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
0
20
Excess counts/keV
Marked times
Marked times
Excess counts/sec
100
50
0
−50
bins
+2.67689e8

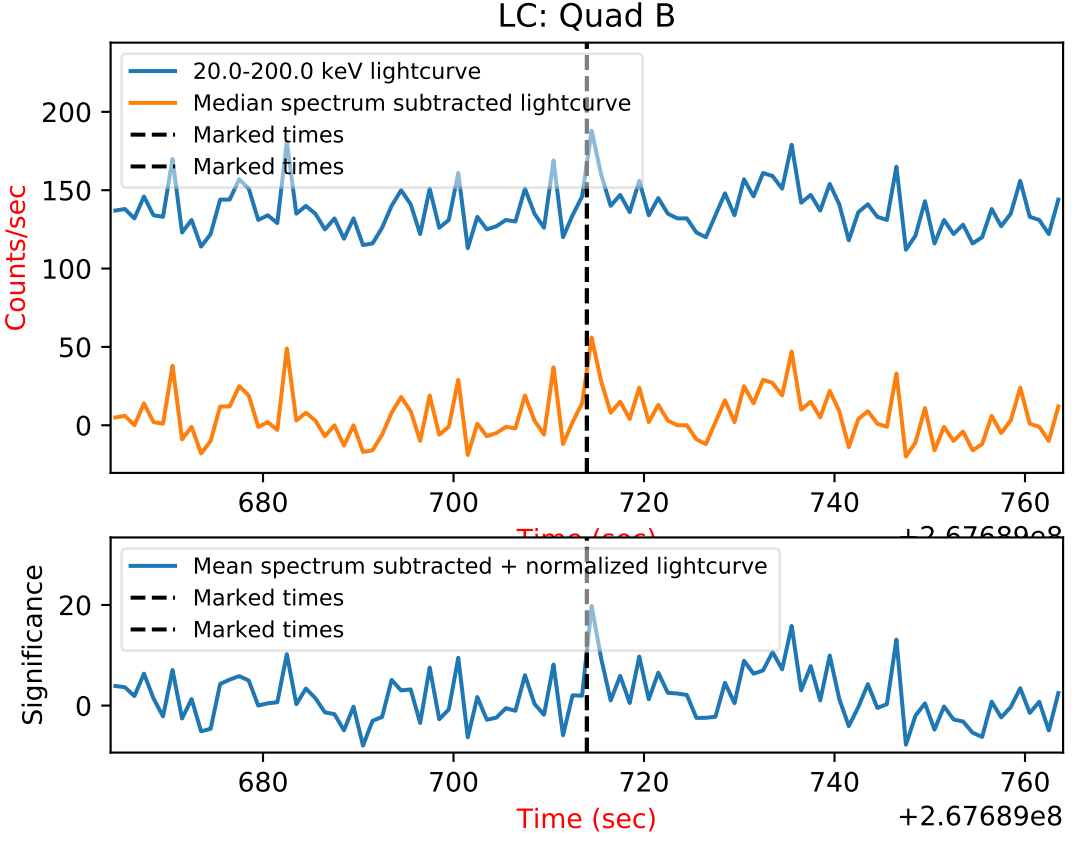

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
0.0
2.5
Strength/keV
Strength/sec
Marked times
Marked times
20
0
−20
40
+2.67689e8
bins

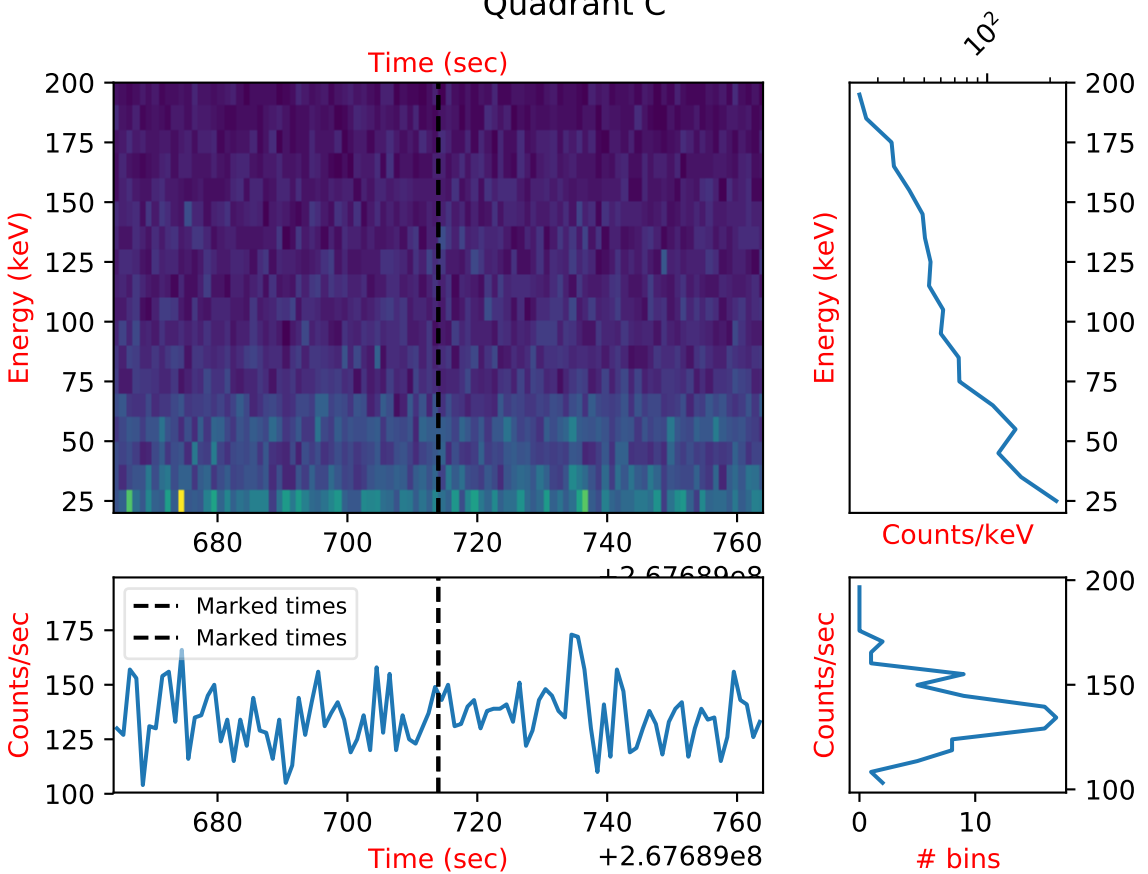

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
680
700
720
740
760
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
40
20
0
−20
Time (sec)
+2.67689e8

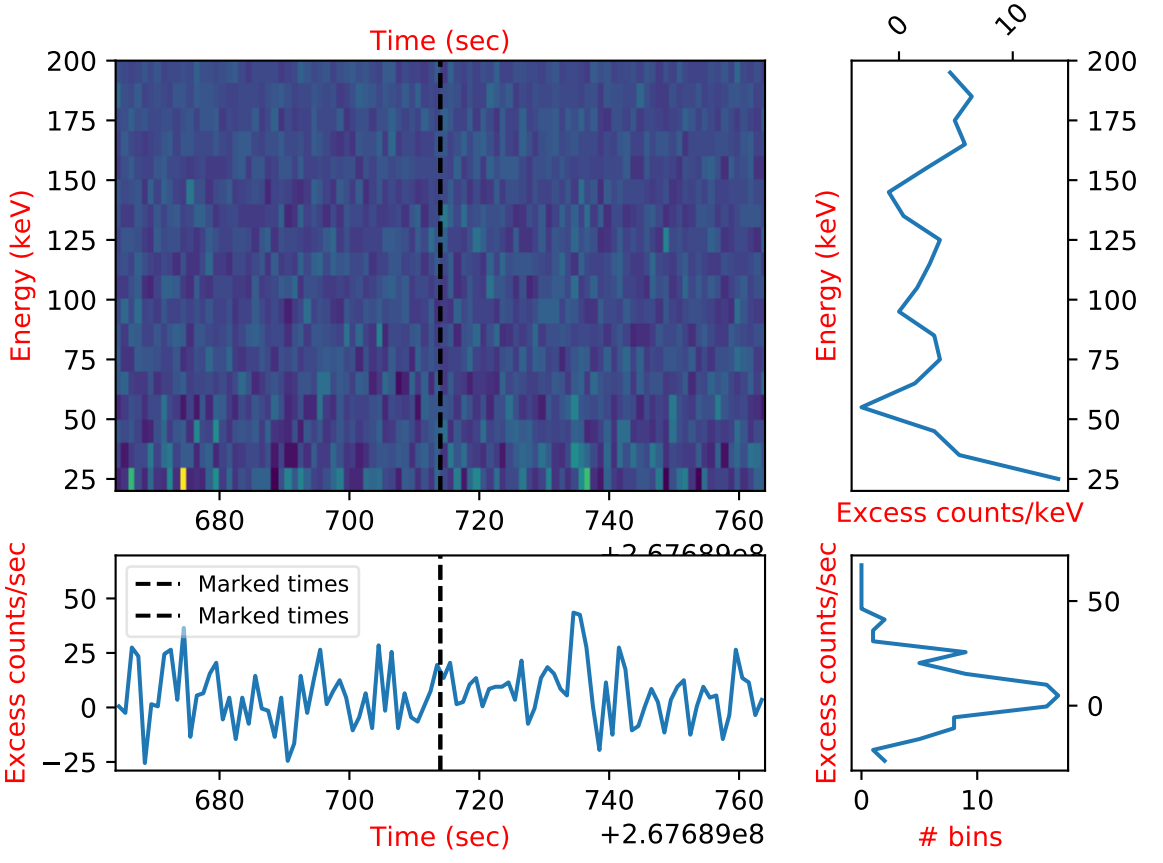

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
+2.67689e8
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+2.67689e8
bins
0
20

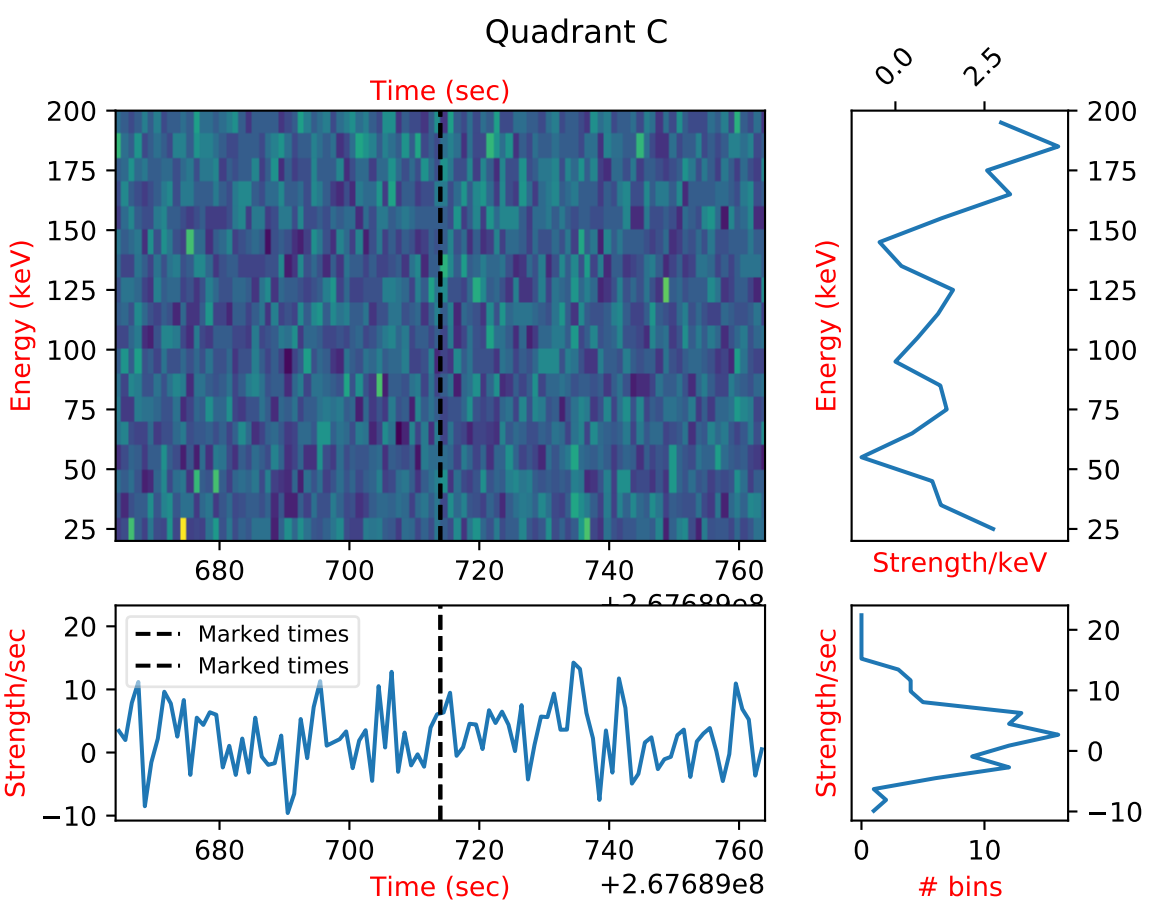

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
0
20
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
+2.67689e8
bins

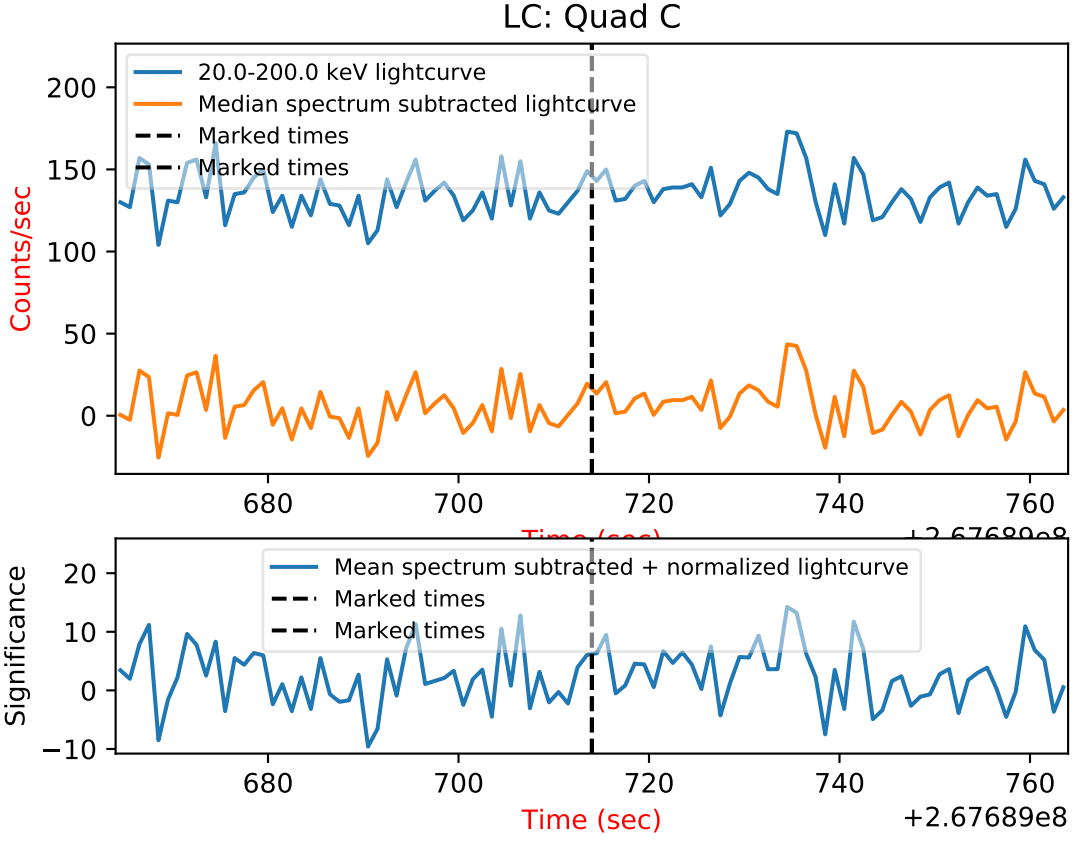

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
0.0
2.5
Strength/keV
Strength/sec
30
20
10
0
Marked times
Marked times
+2.67689e8
bins

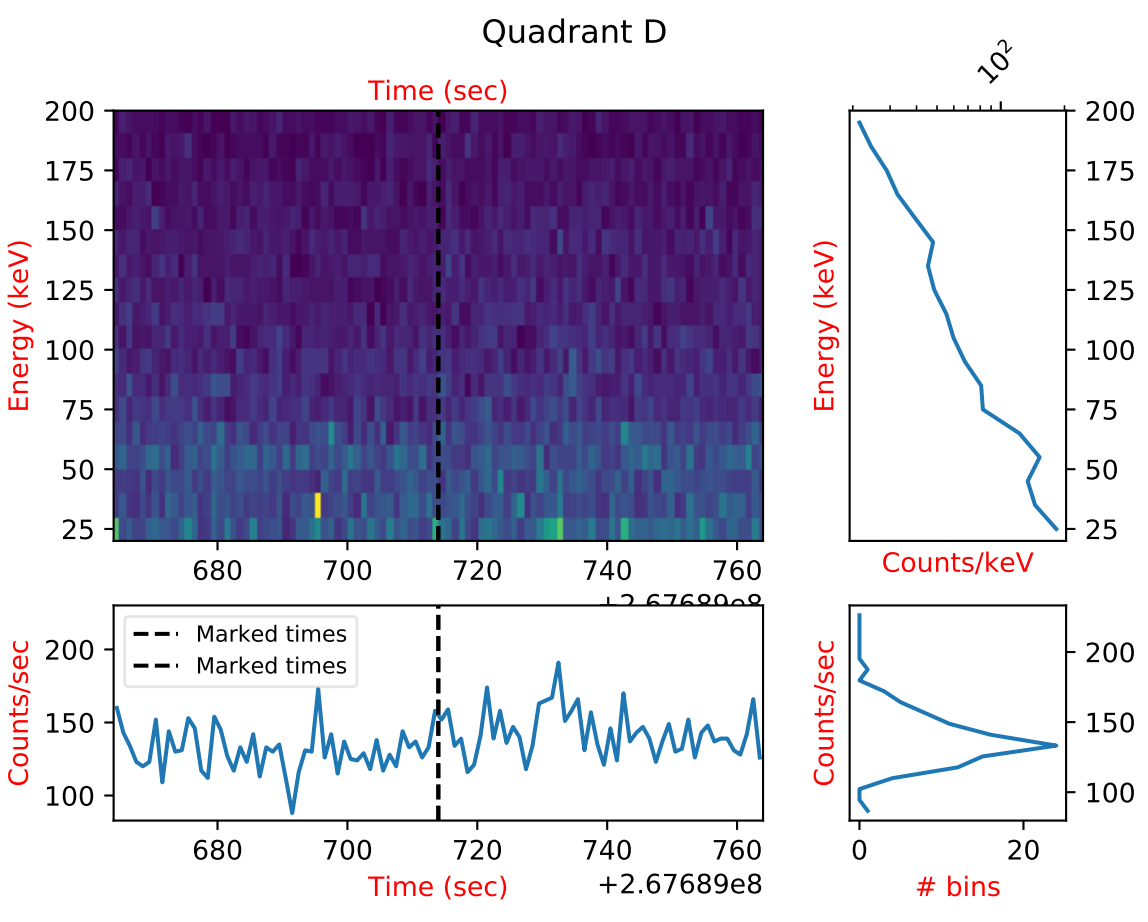

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
680
700
720
740
760
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
680
700
720
740
760
Time (sec)
+2.67689e8

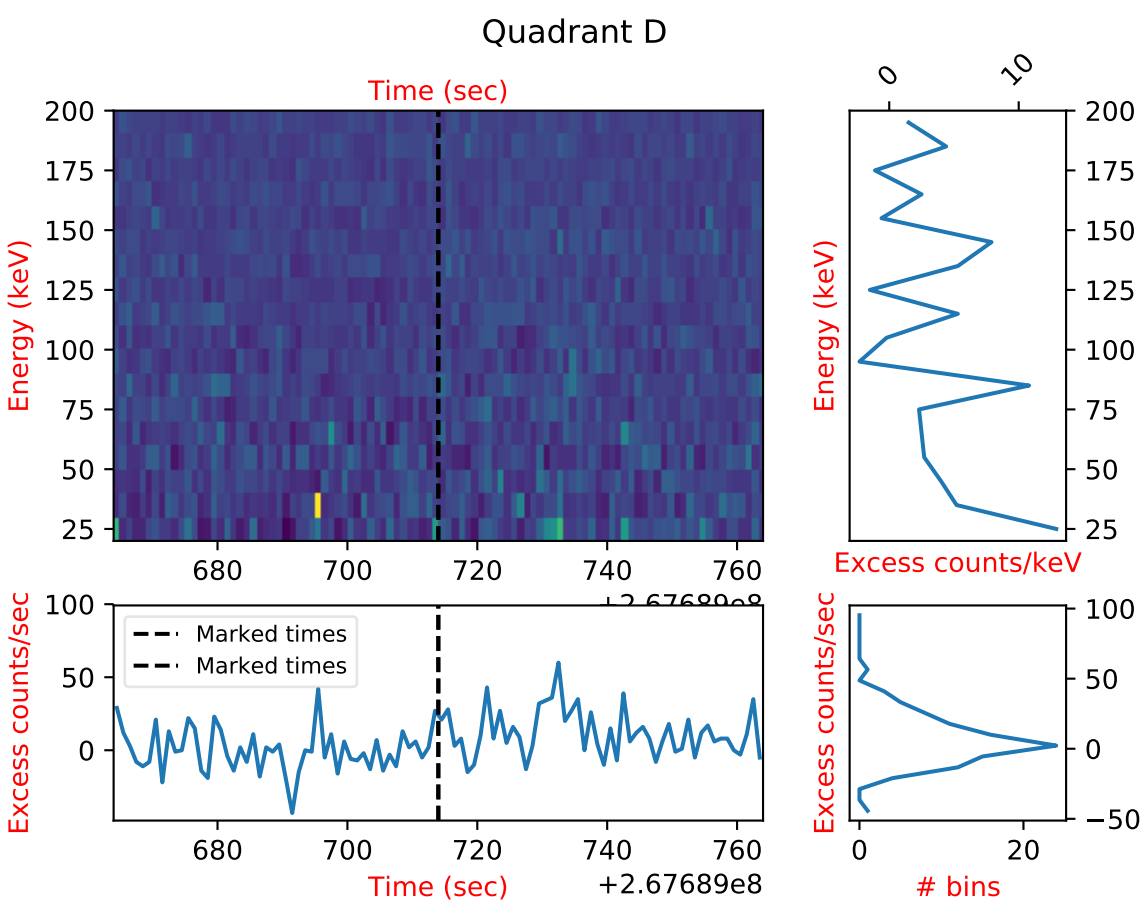

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
10^2
Counts/keV
Marked times
Marked times
Counts/sec
+2.67689e8
0
10
bins

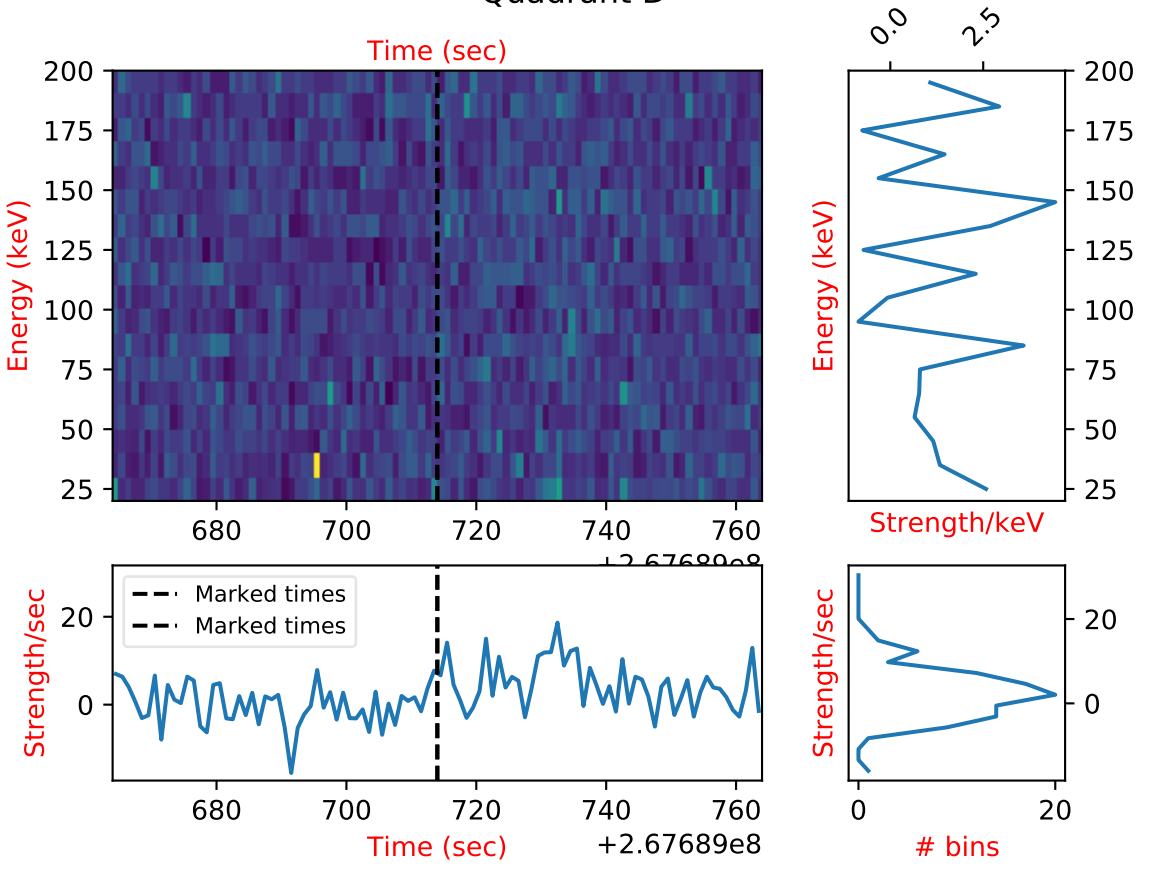

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
+2.67689e8
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
25
0
−25
Time (sec)
+2.67689e8
bins

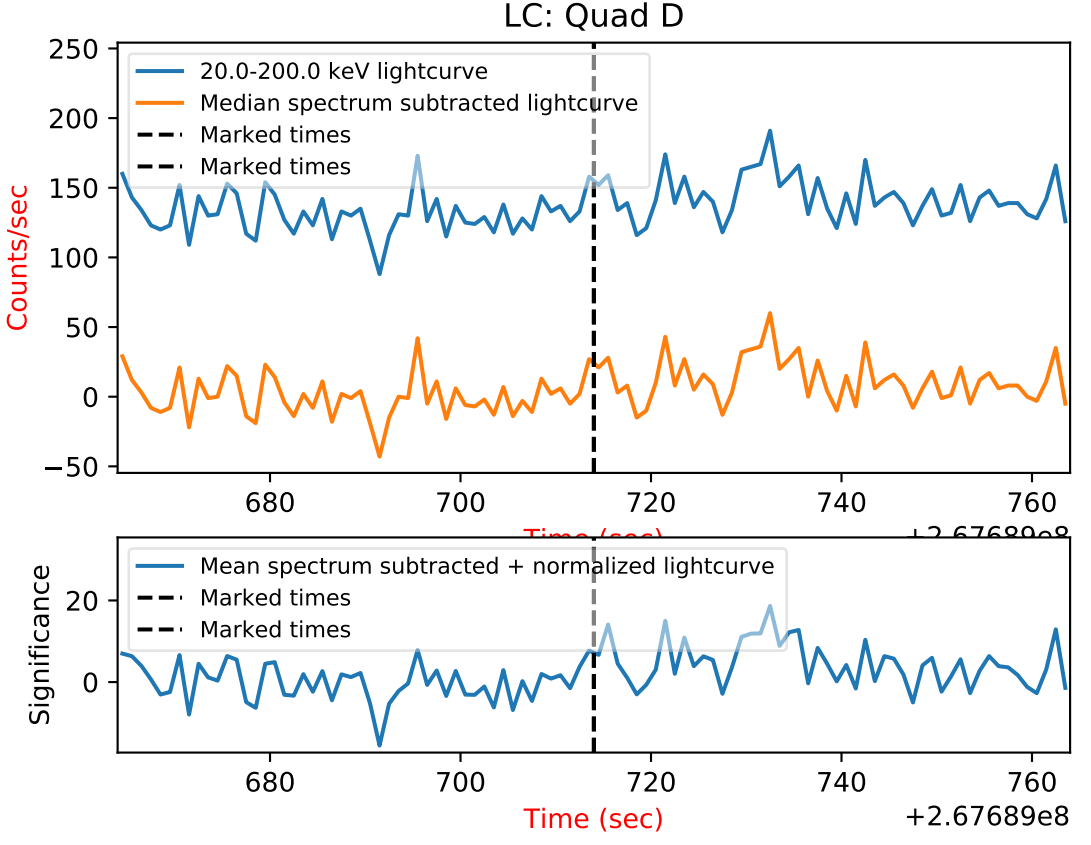

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
0.0
2.5
Strength/keV
Marked times
Marked times
Strength/sec
20
10
0
−10
+2.67689e8
bins

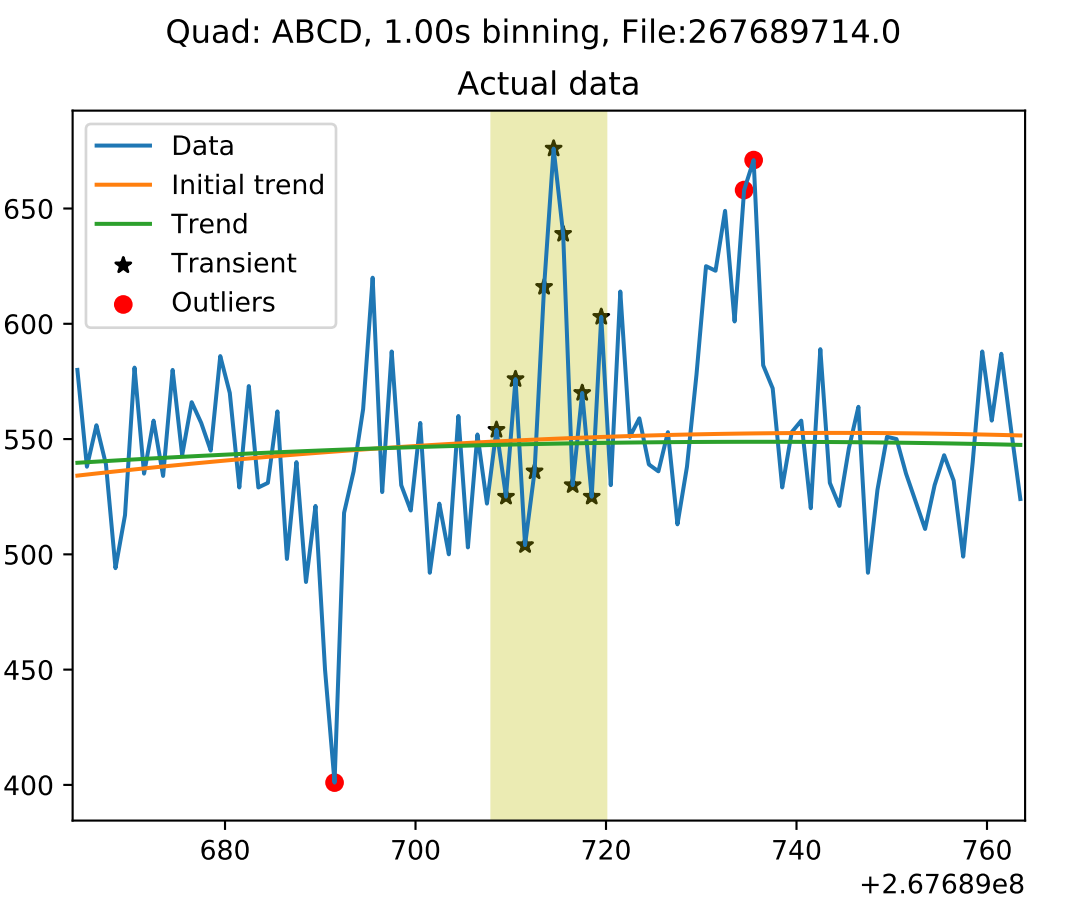

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
680
700
720
740
760
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
10
0
−10
Time (sec)
+2.67689e8

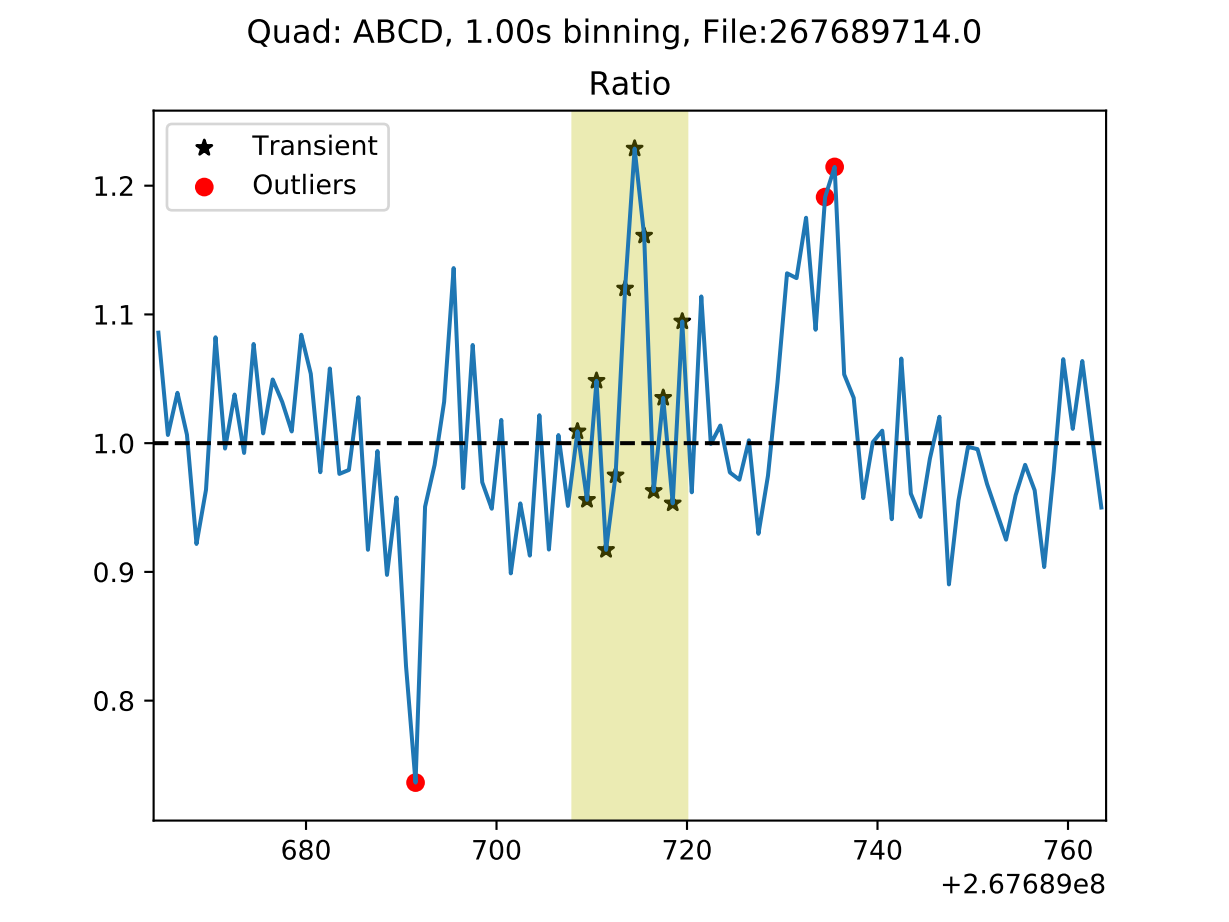

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
10^2
Counts/keV
Marked times
Marked times
Counts/sec
Time (sec)
+2.67689e8
0
20
bins

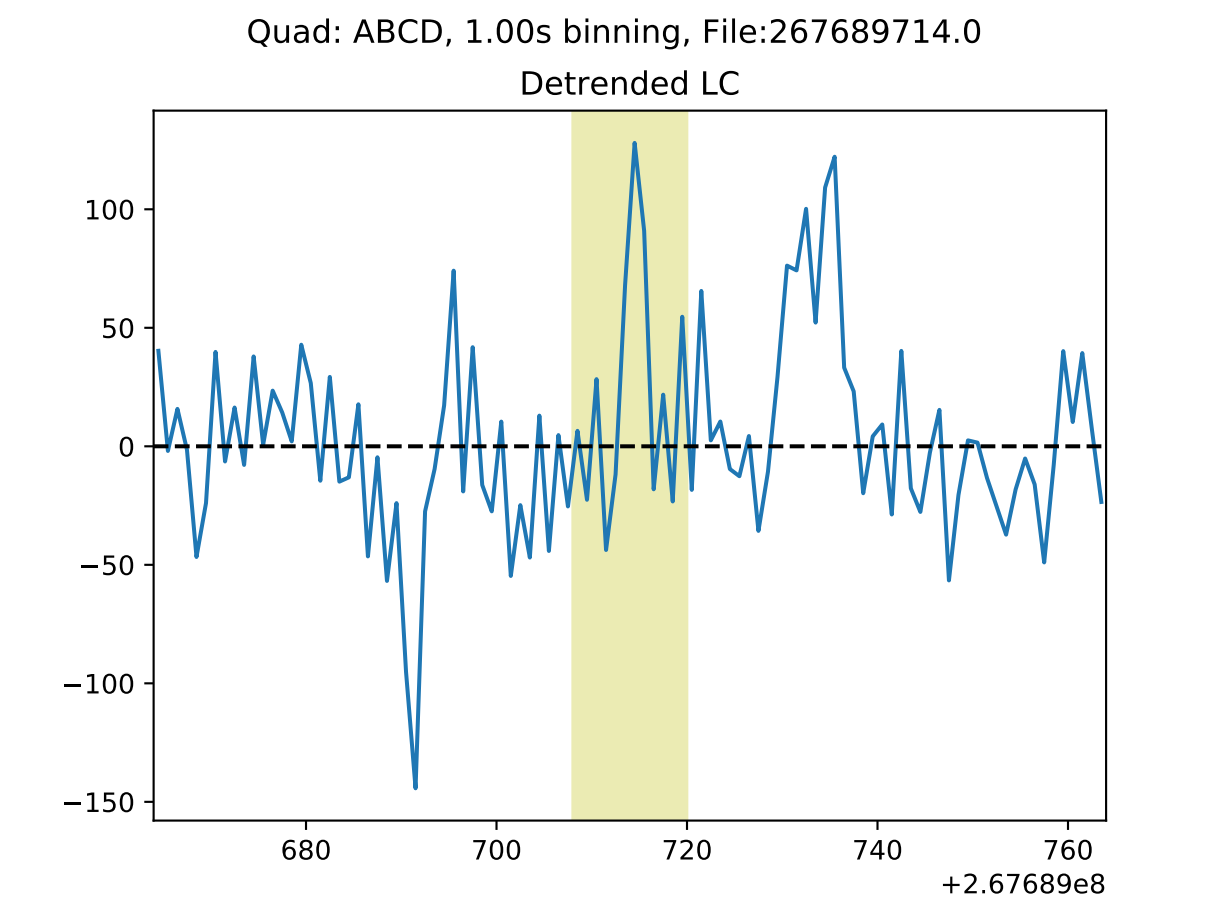

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+2.67689e8
bins
−50
20

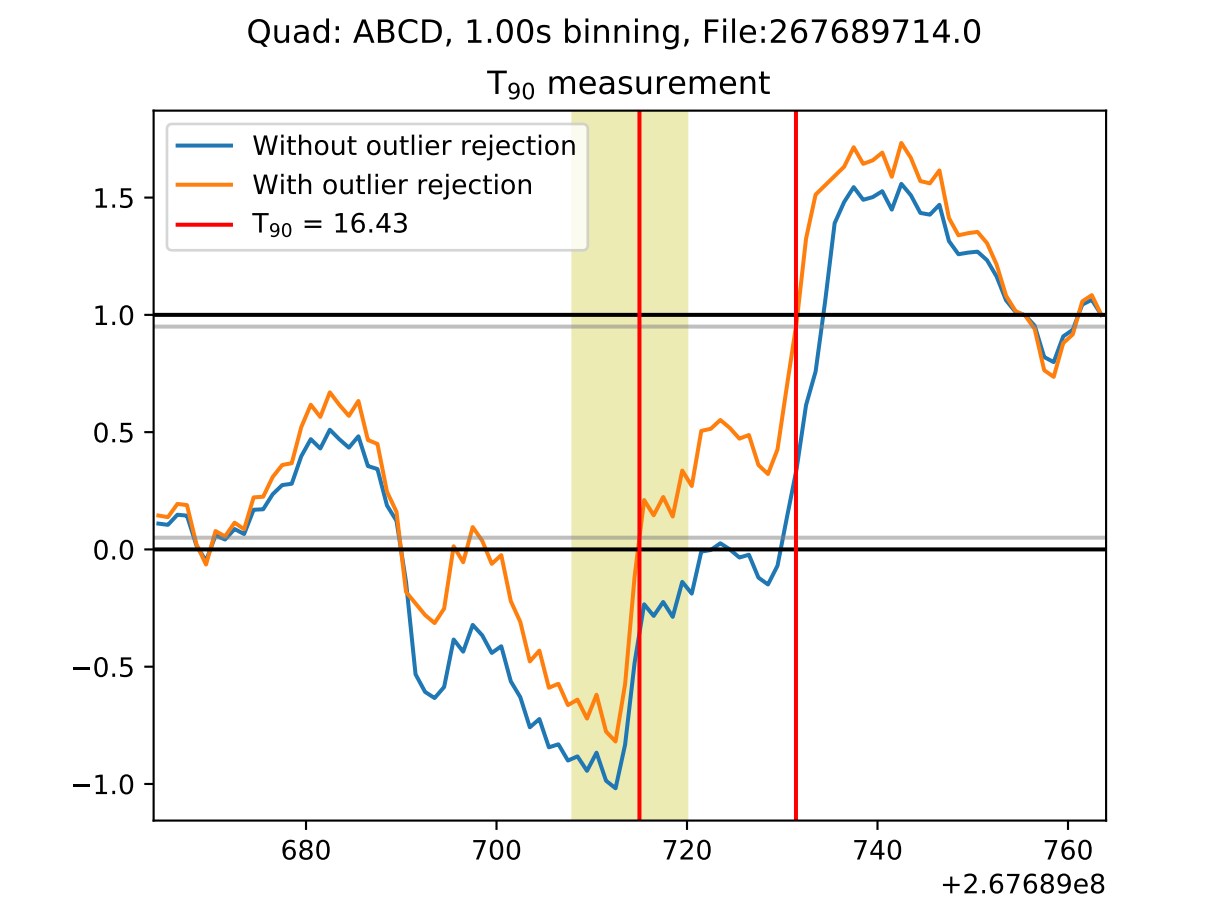

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
680
700
720
740
760
0.0
2.5
Strength/keV
Marked times
Marked times
Strength/sec
20
0
+2.67689e8
bins

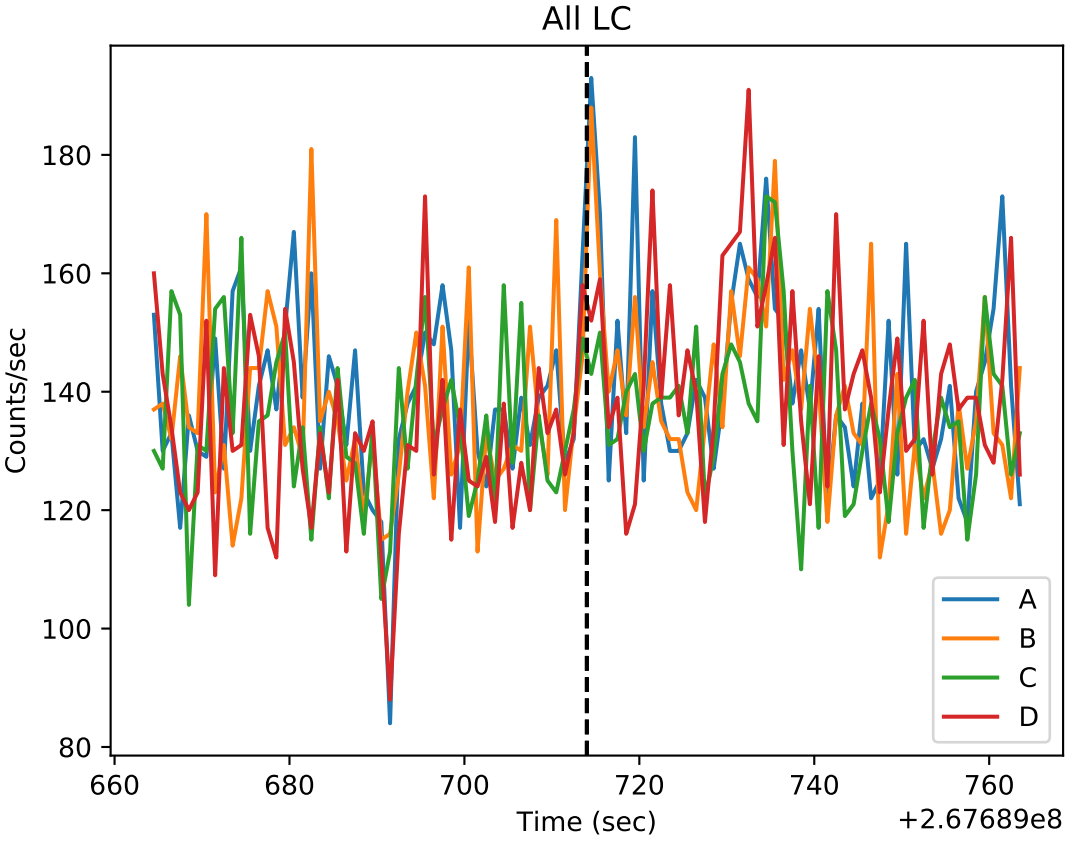

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
680
700
720
740
760
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
680
700
720
740
760
Time (sec)
+2.67689e8


Quad: ABCD, 1.00s binning, File:267689714.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
650
600
550
500
450
400
680
700
720
740
760
+2.67689e8


Quad: ABCD, 1.00s binning, File:267689714.0
Ratio
Transient
Outliers
1.2
1.1
1.0
0.9
0.8
680
700
720
740
760
+2.67689e8


Quad: ABCD, 1.00s binning, File:267689714.0
Detrended LC
100
50
0
−50
−100
−150
680
700
720
740
760
+2.67689e8


Quad: ABCD, 1.00s binning, File:267689714.0
T90 measurement
Without outlier rejection
With outlier rejection
T90 = 16.43
1.5
1.0
0.5
0.0
−0.5
−1.0
680
700
720
740
760
+2.67689e8


All LC
Counts/sec
180
160
140
120
100
80
660
680
700
720
740
760
Time (sec)
+2.67689e8
A
B
C
D