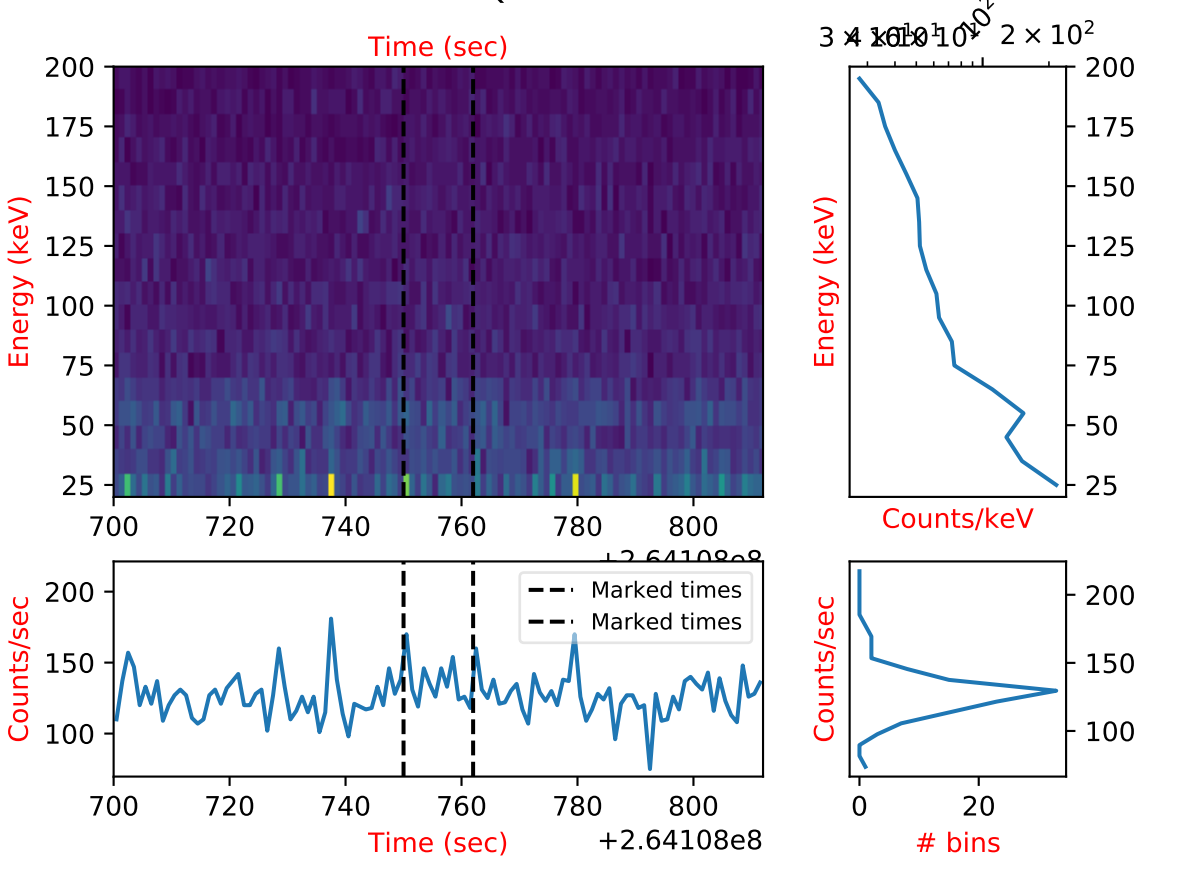
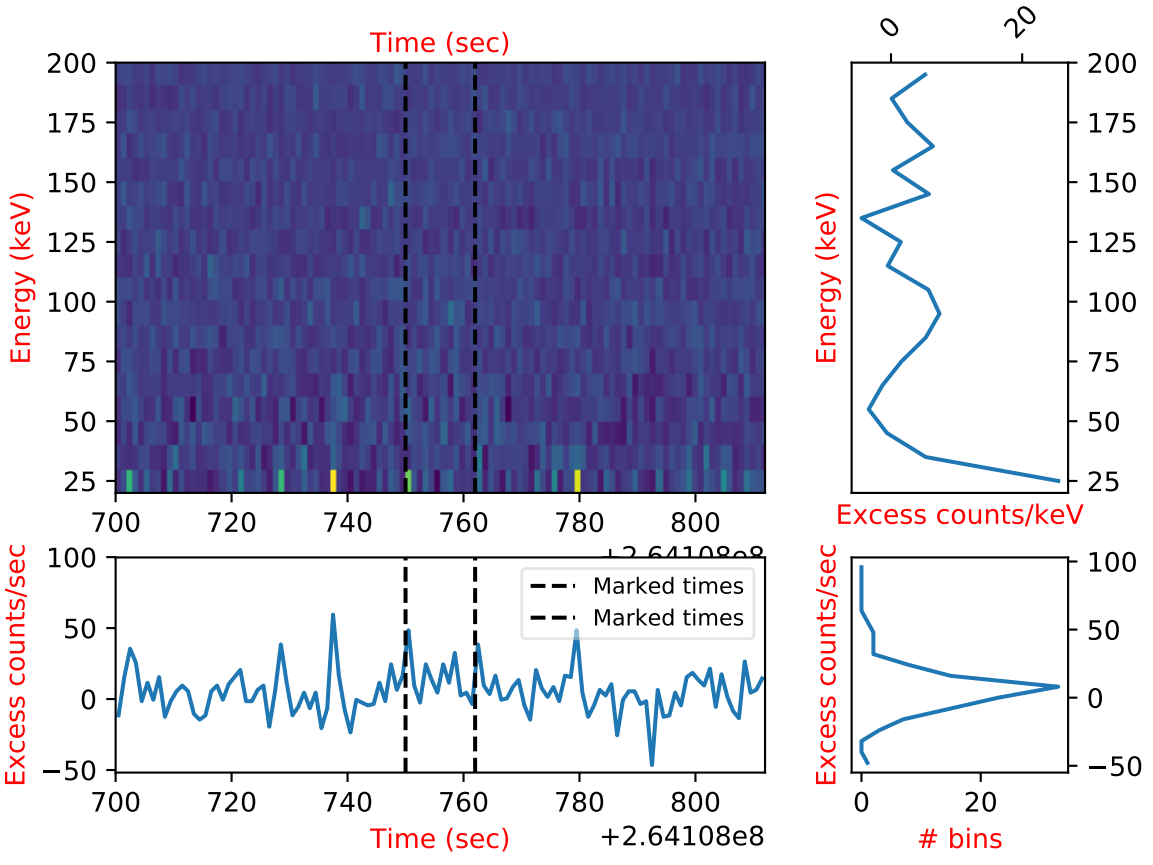
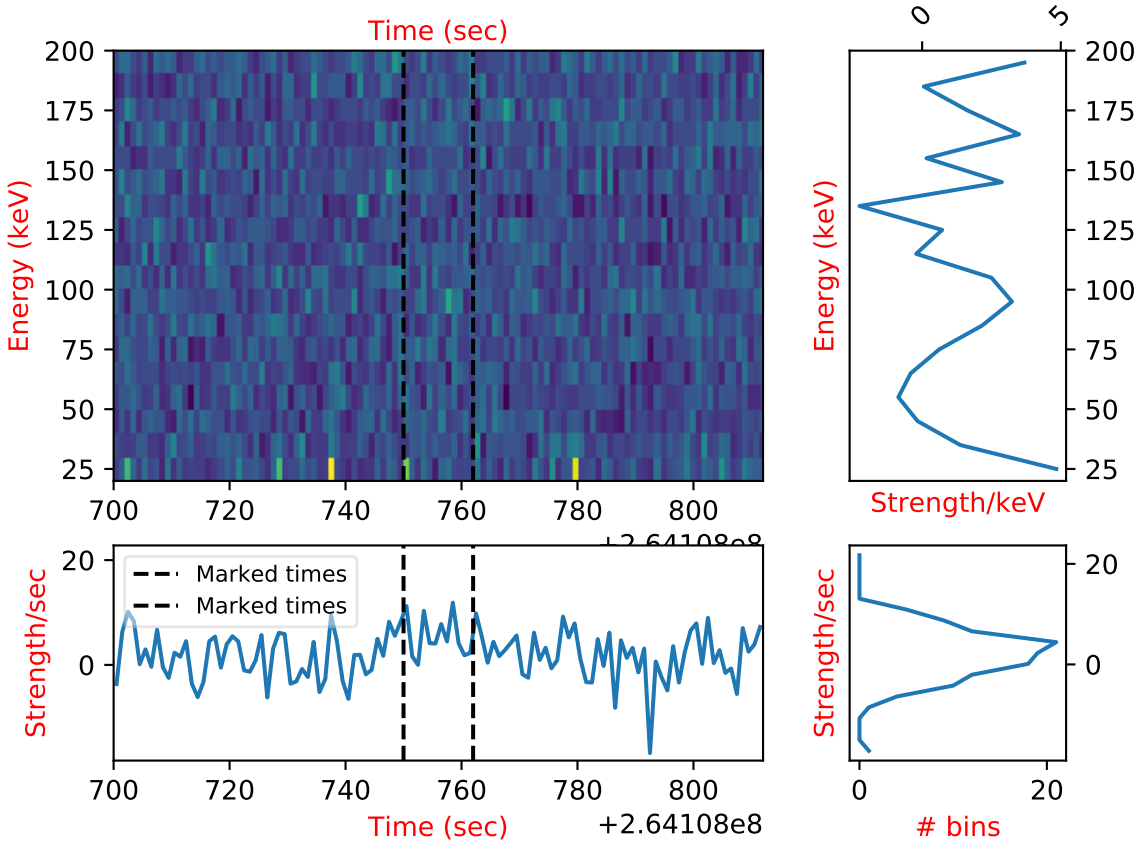
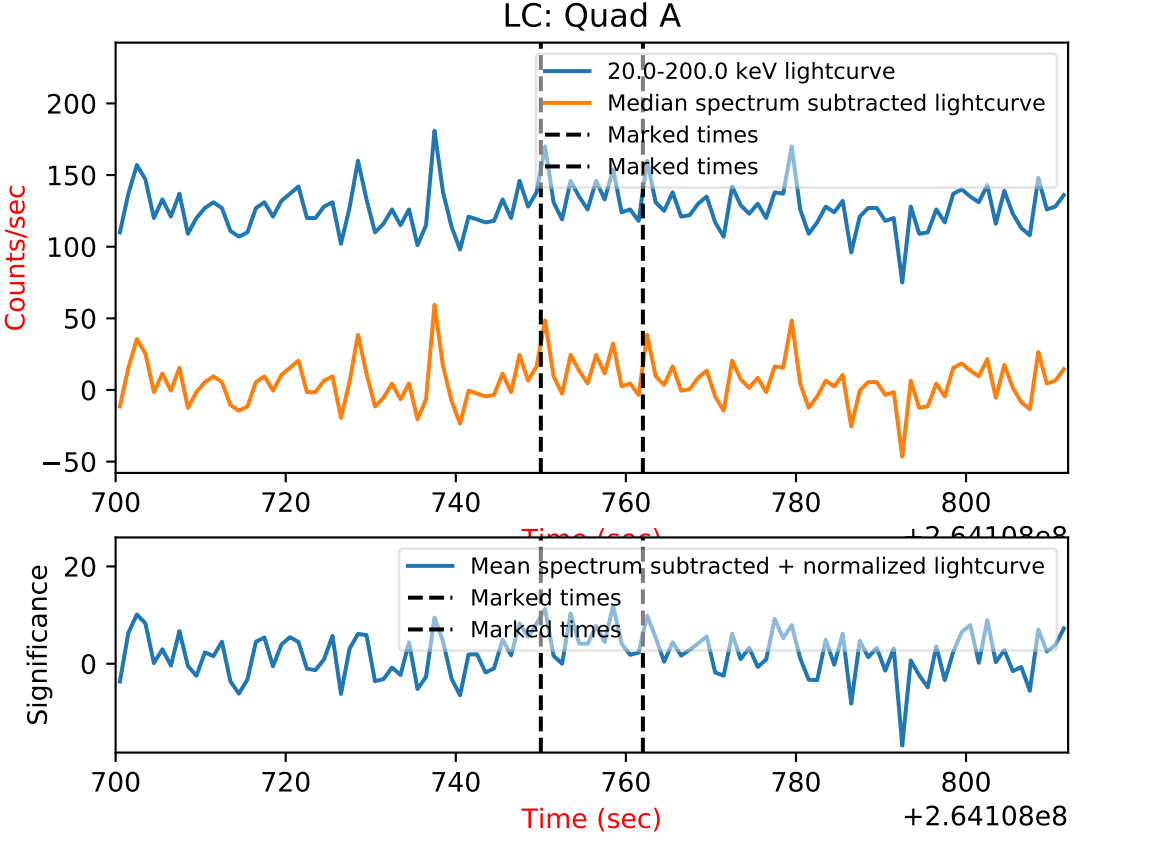
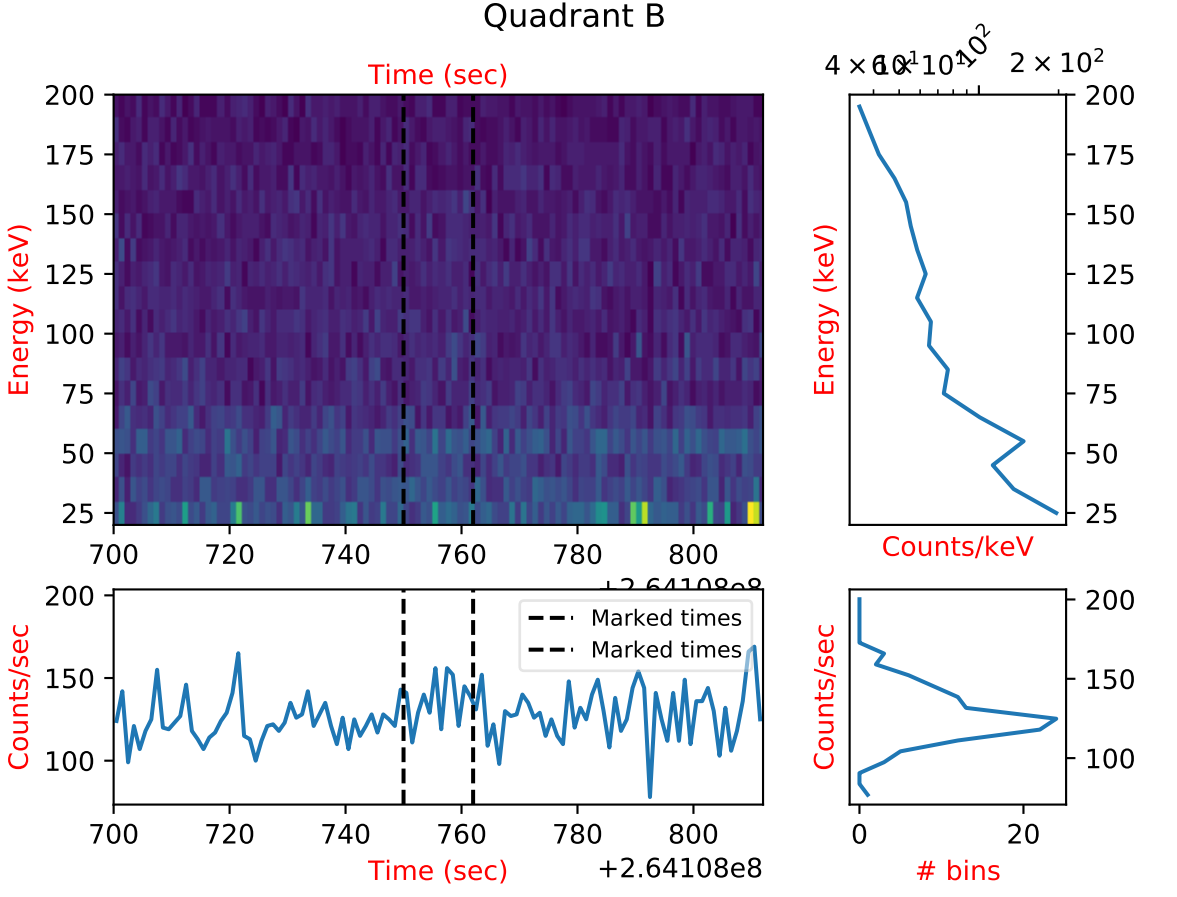
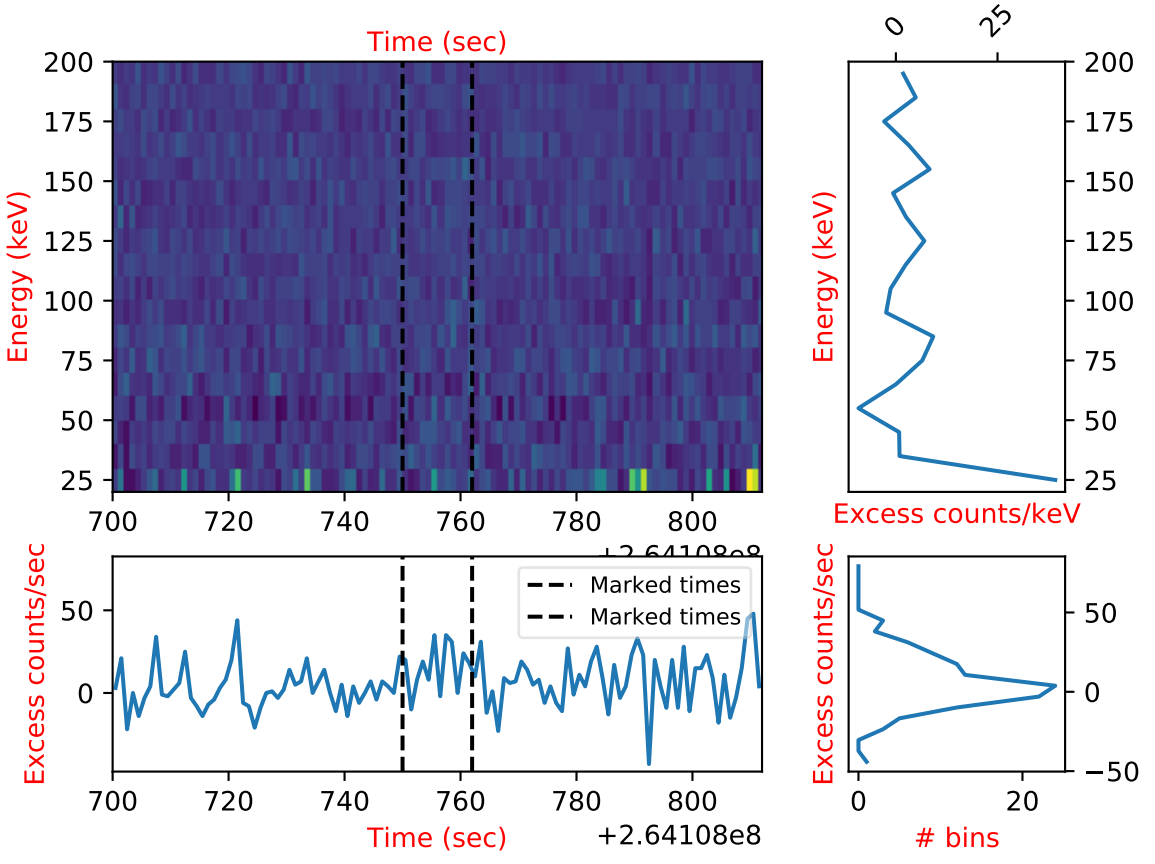

Quadrant A
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
bins
Marked times
Marked times
+2.64108e8

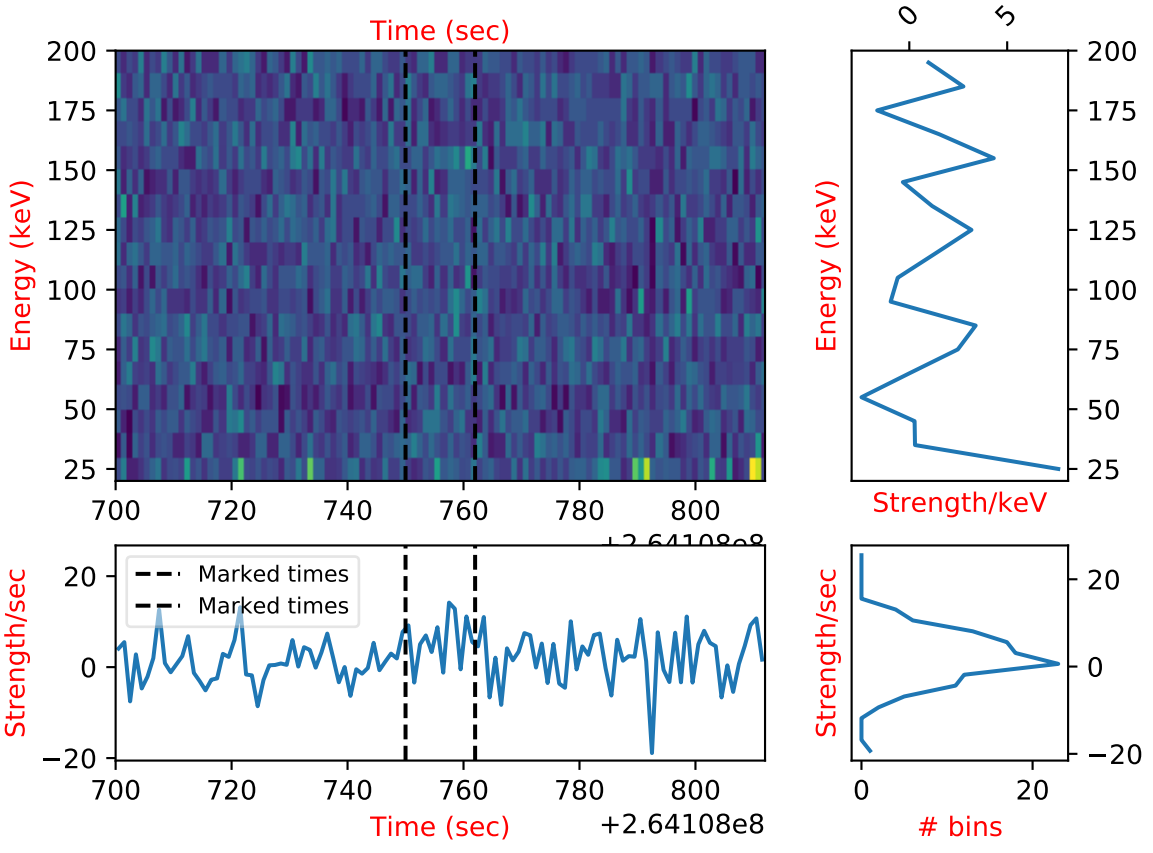

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
700
720
740
760
780
800
0
20
Excess counts/keV
Excess counts/sec
100
50
0
−50
Marked times
Marked times
+2.64108e8
bins

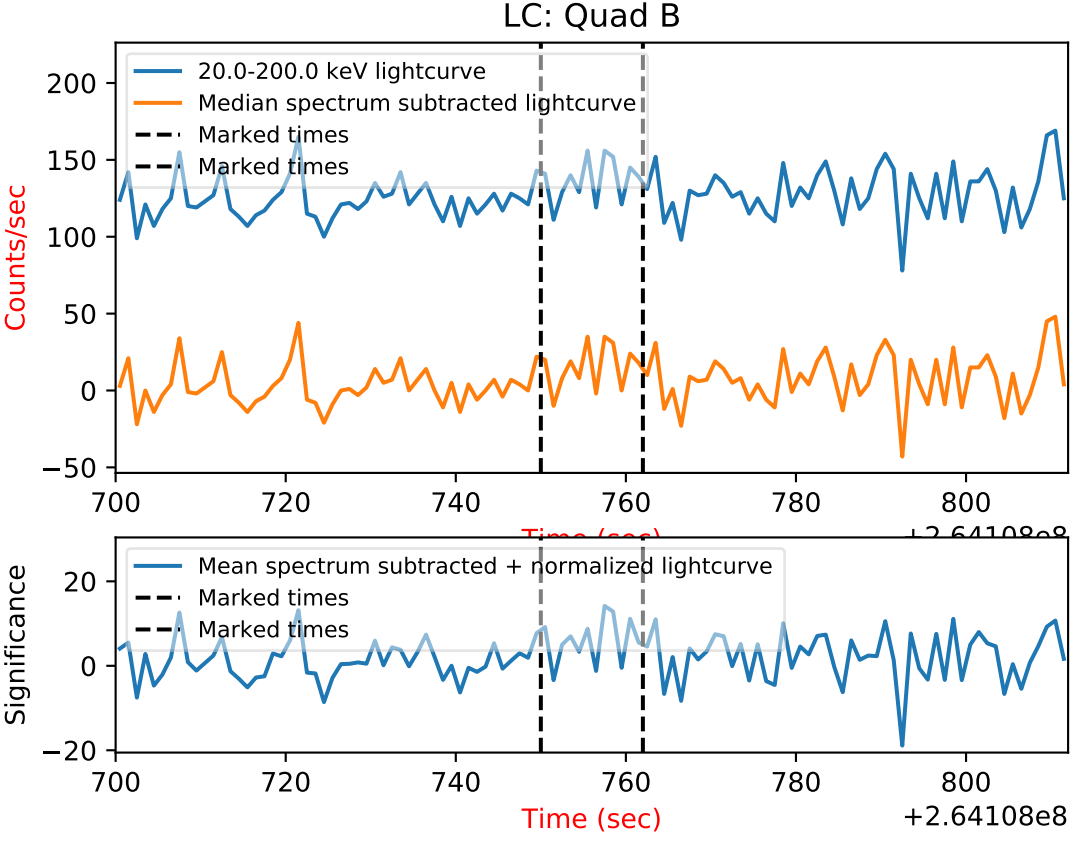

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
700
720
740
760
780
800
+2.64108e8
0
5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
bins

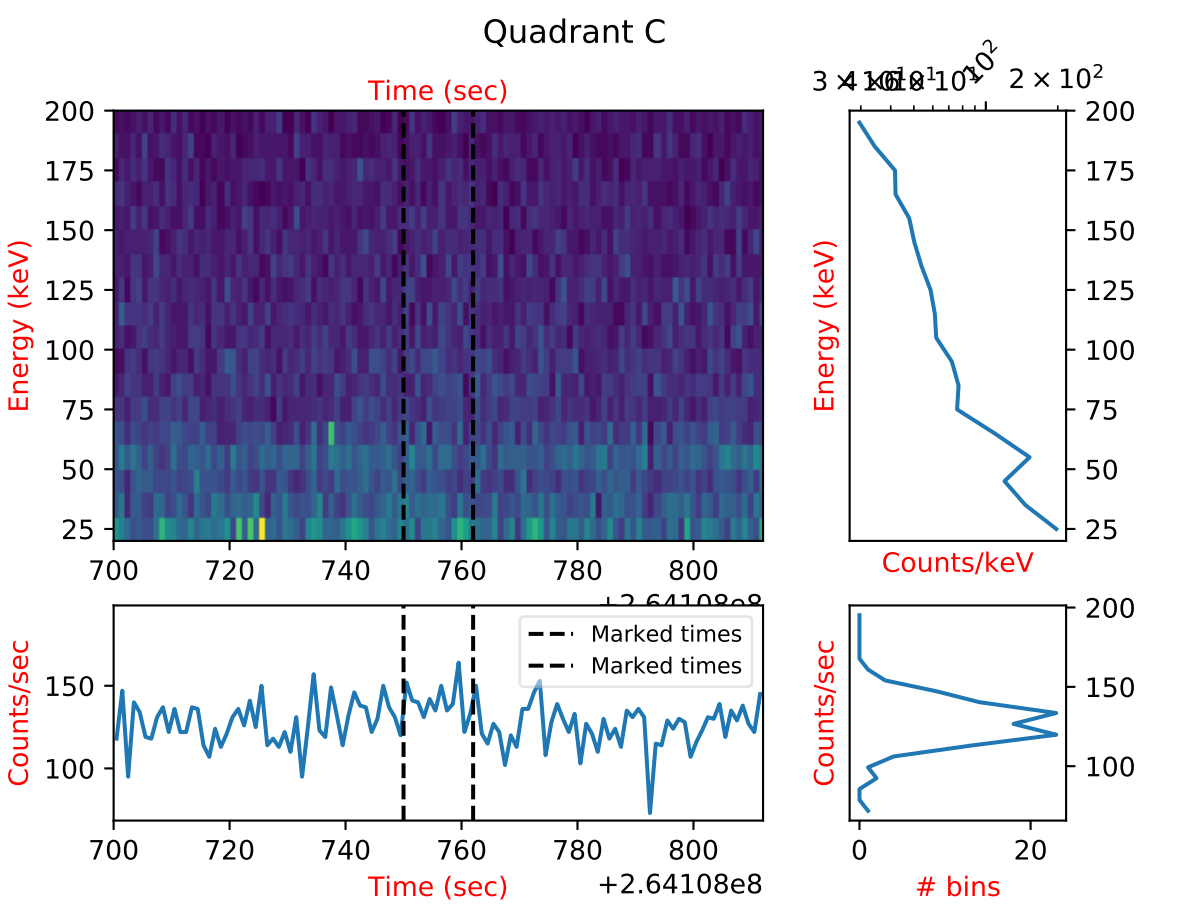

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−50
700
720
740
760
780
800
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+2.64108e8

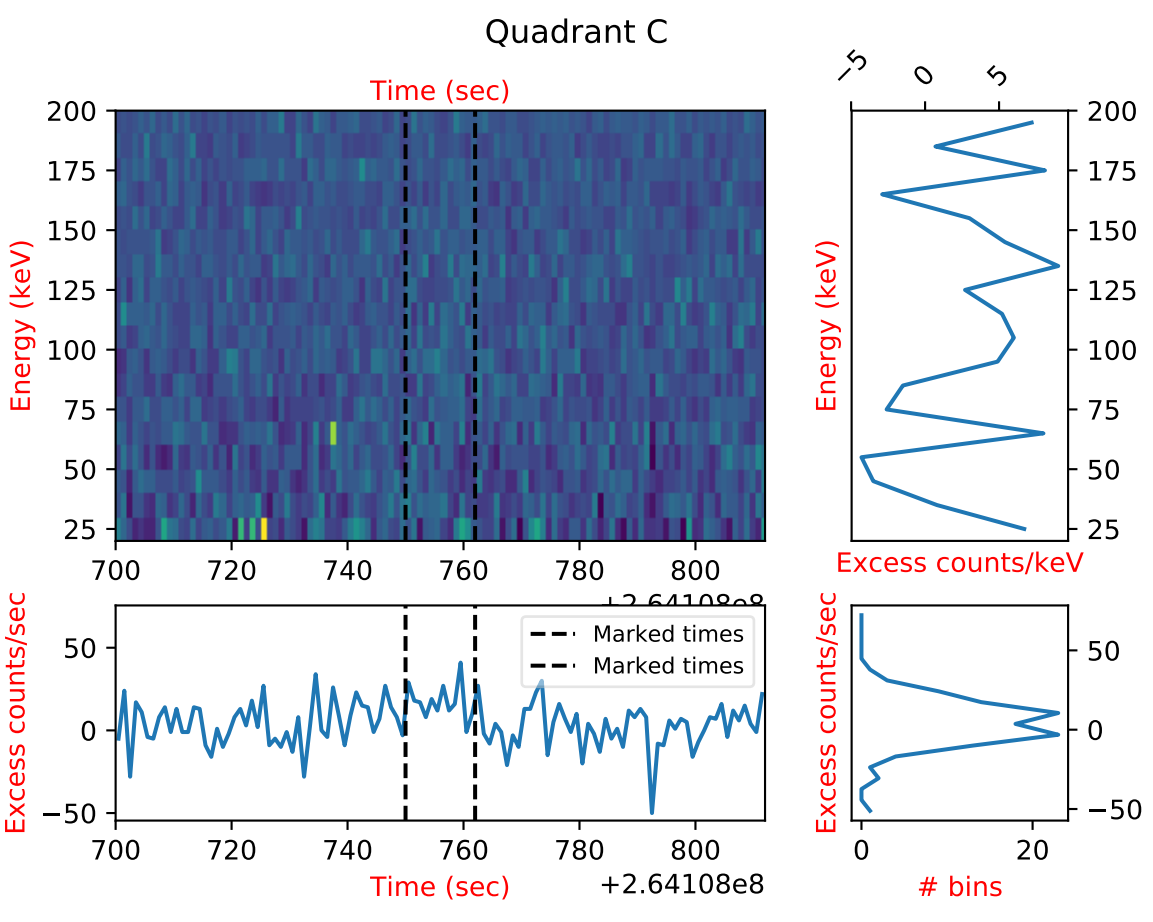

Quadrant B
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
bins
Marked times
Marked times
+2.64108e8

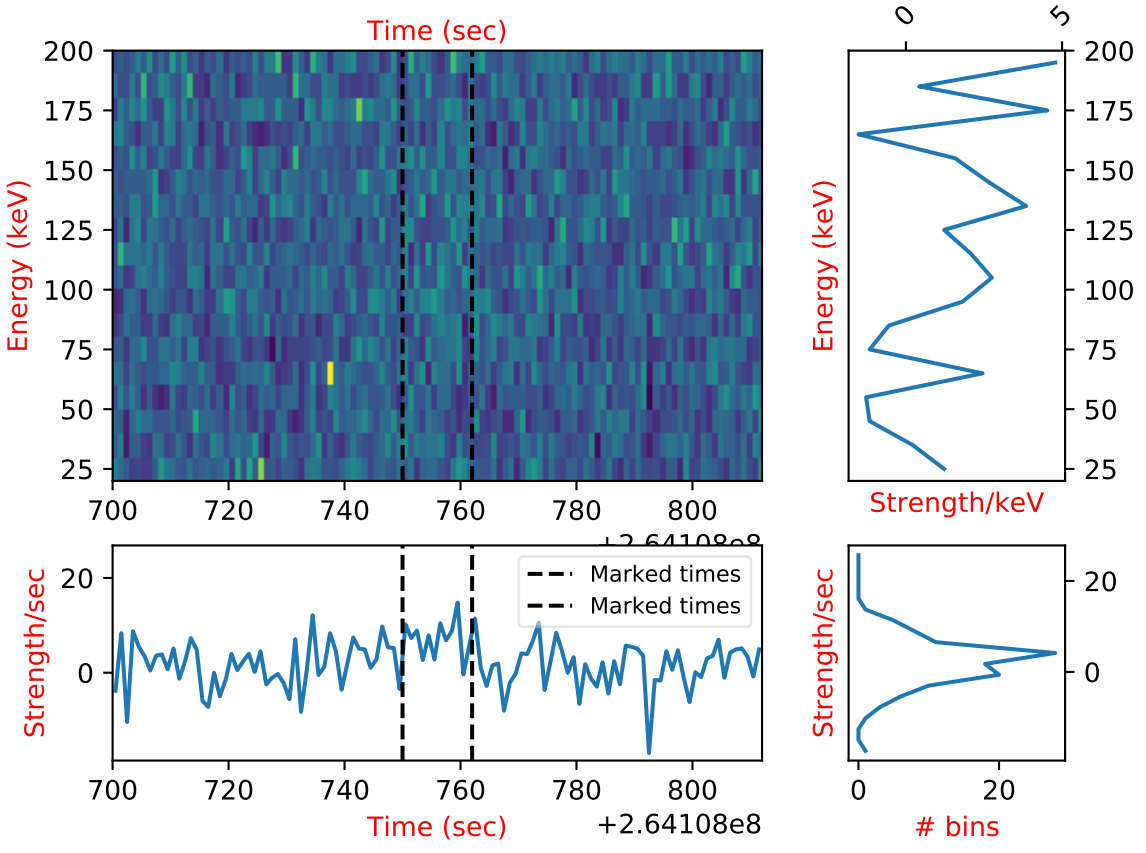

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
700
720
740
760
780
800
0
25
Excess counts/keV
Excess counts/sec
50
0
Marked times
Marked times
+2.64108e8
bins
−50
20

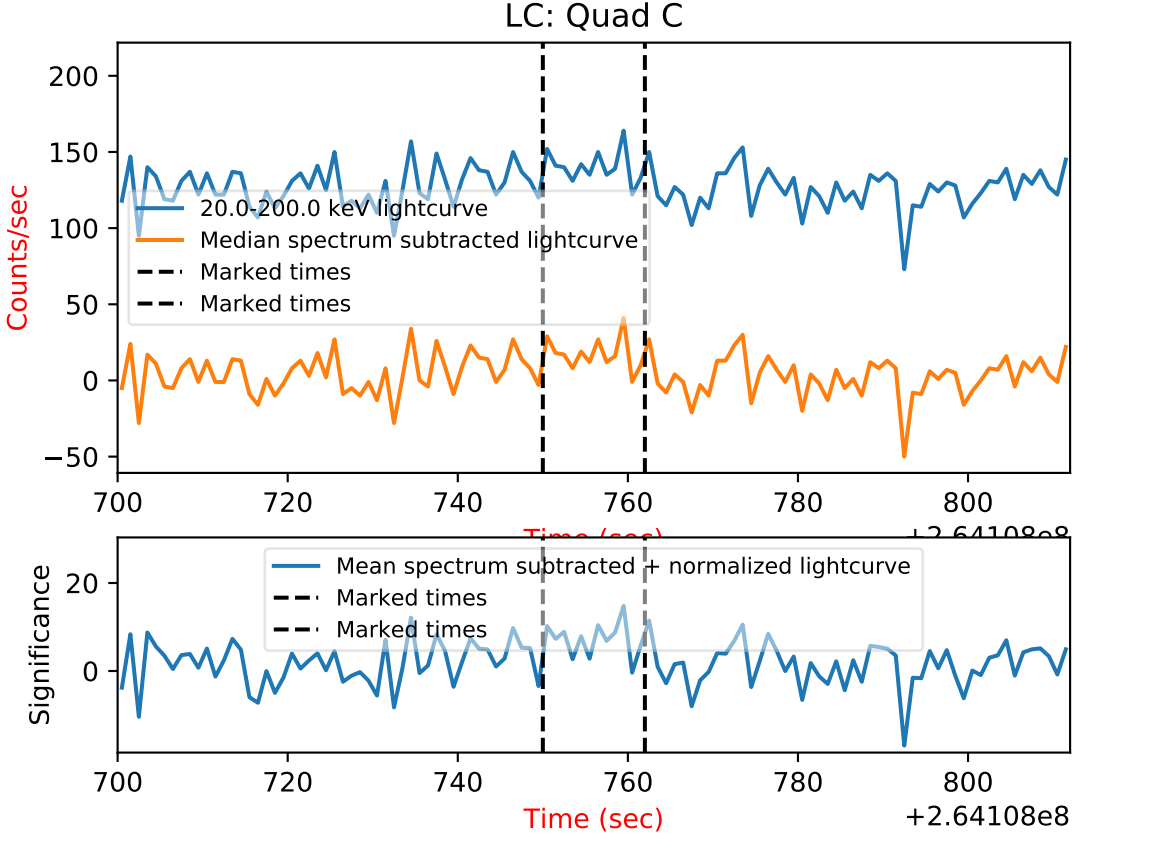

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
700
720
740
760
780
800
+2.64108e8
0
5
Strength/keV
Strength/sec
Marked times
Marked times
20
0
−20
bins

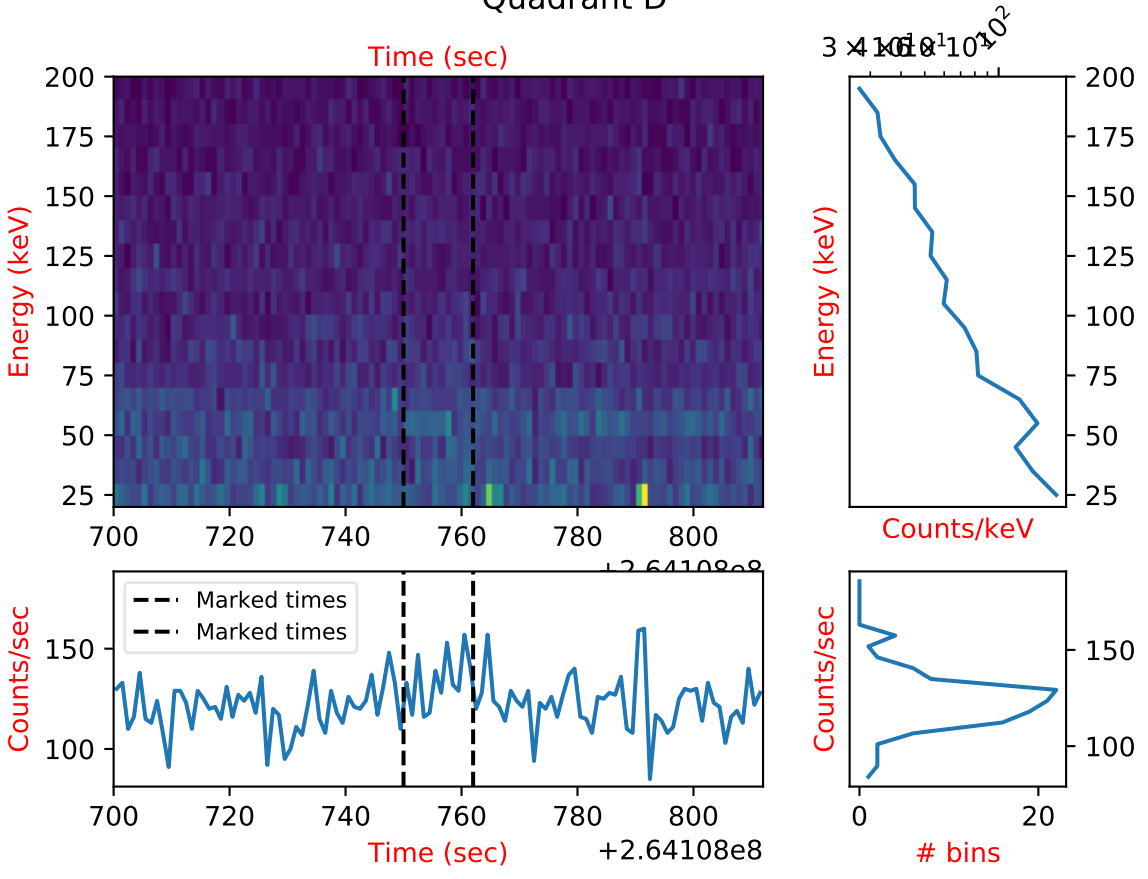

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−50
700
720
740
760
780
800
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
−20
Time (sec)
+2.64108e8

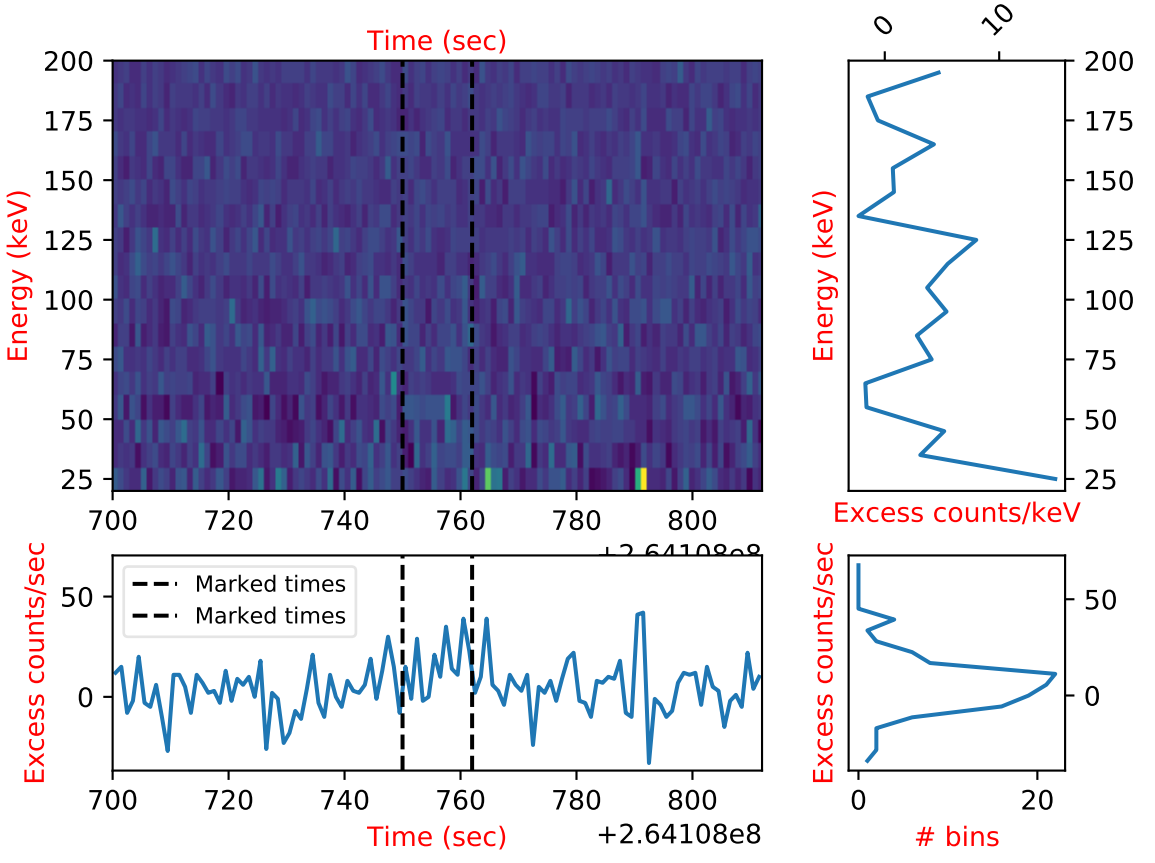

Quadrant C
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
bins
Marked times
Marked times
+2.64108e8

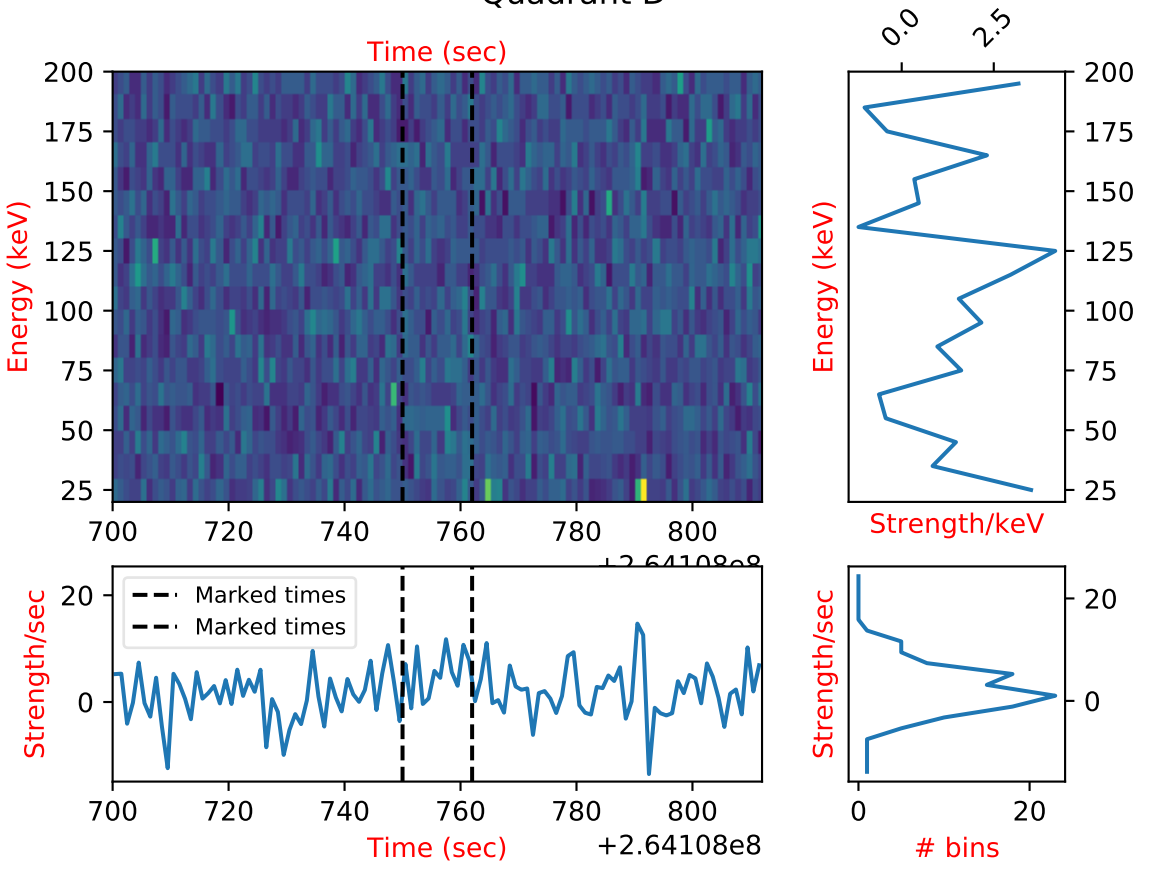

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
700
720
740
760
780
800
−5
0
5
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
−50
+2.64108e8
bins
20

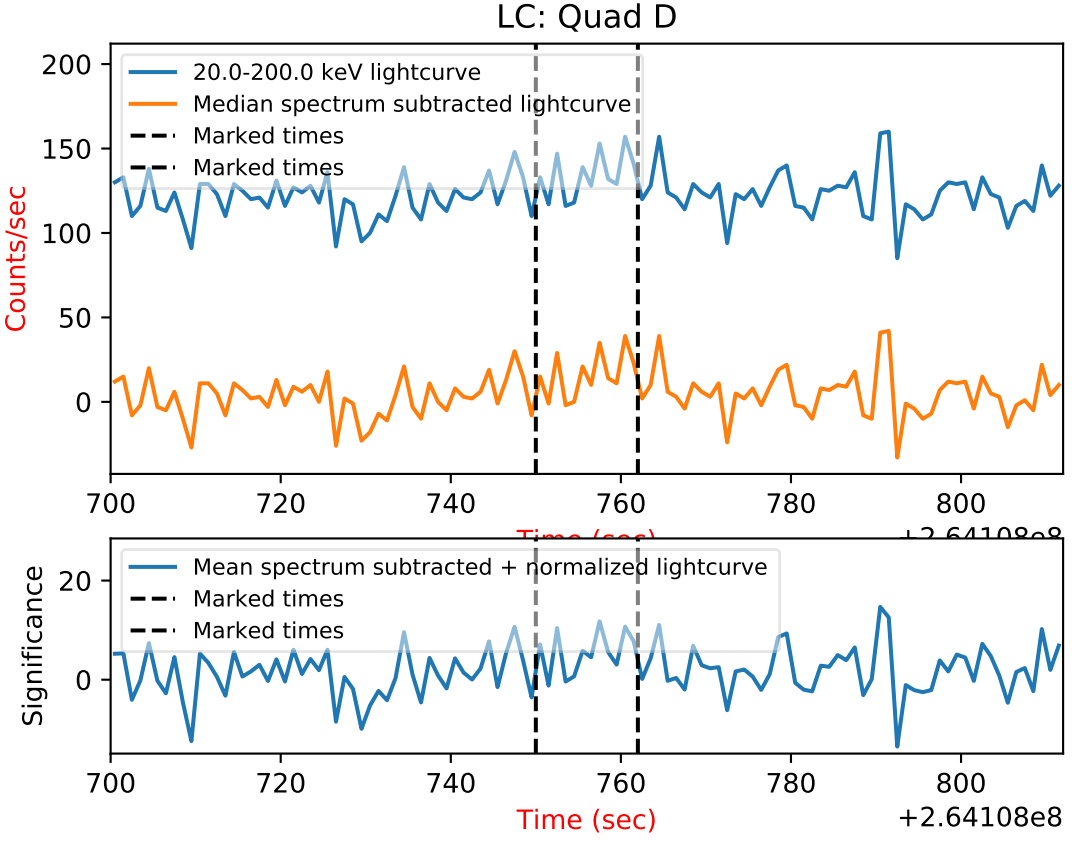

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
700
720
740
760
780
800
0
5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
+2.64108e8
bins

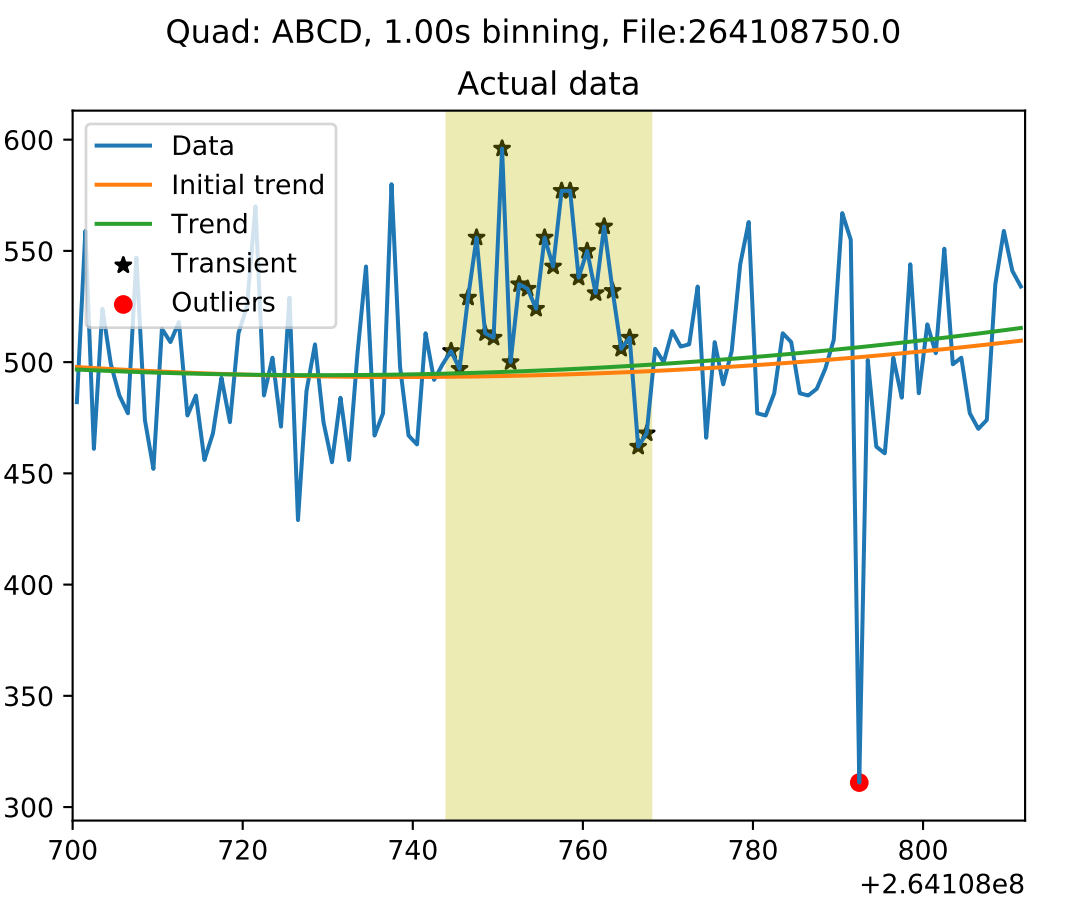

LC: Quad C
Counts/sec
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Significance
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+2.64108e8

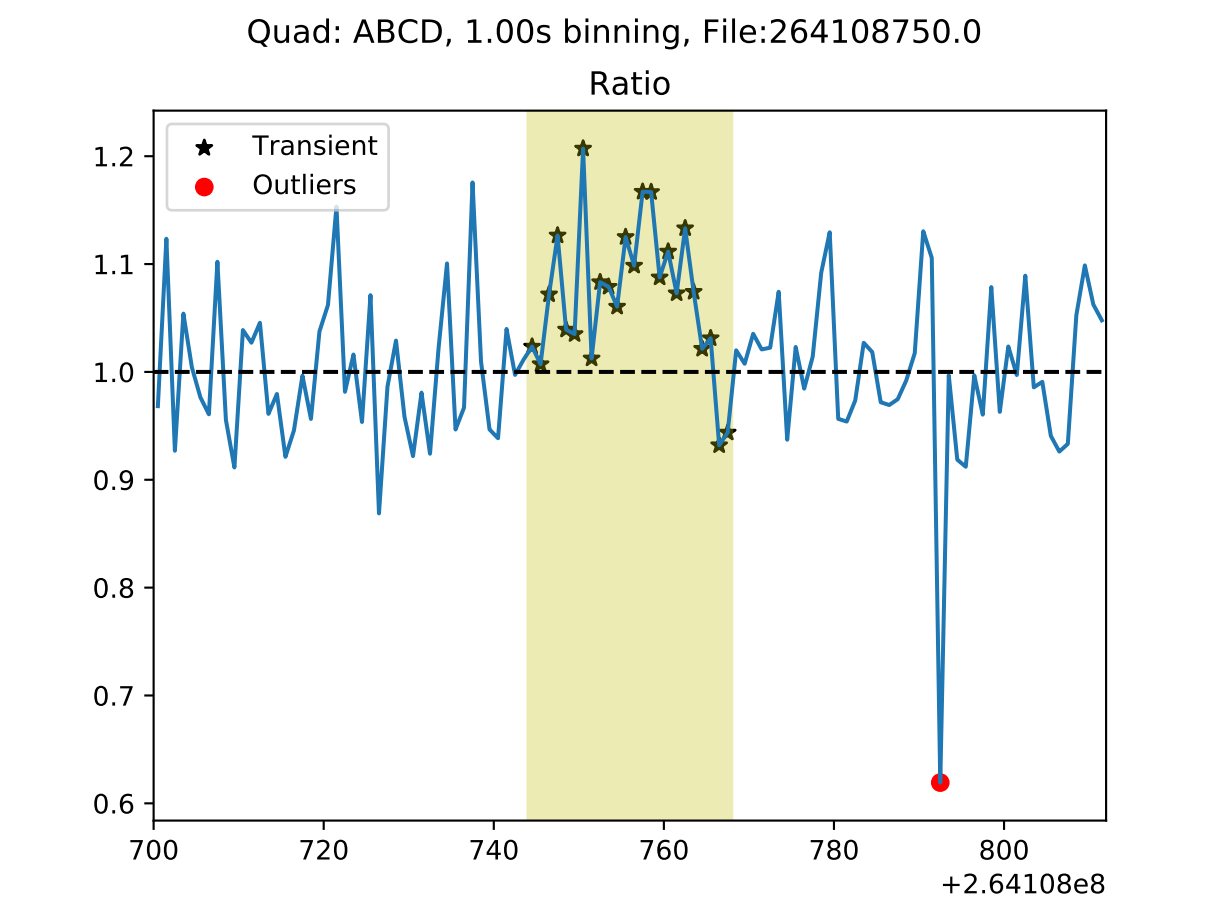

Quadrant D
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
Marked times
Marked times
bins
+2.64108e8

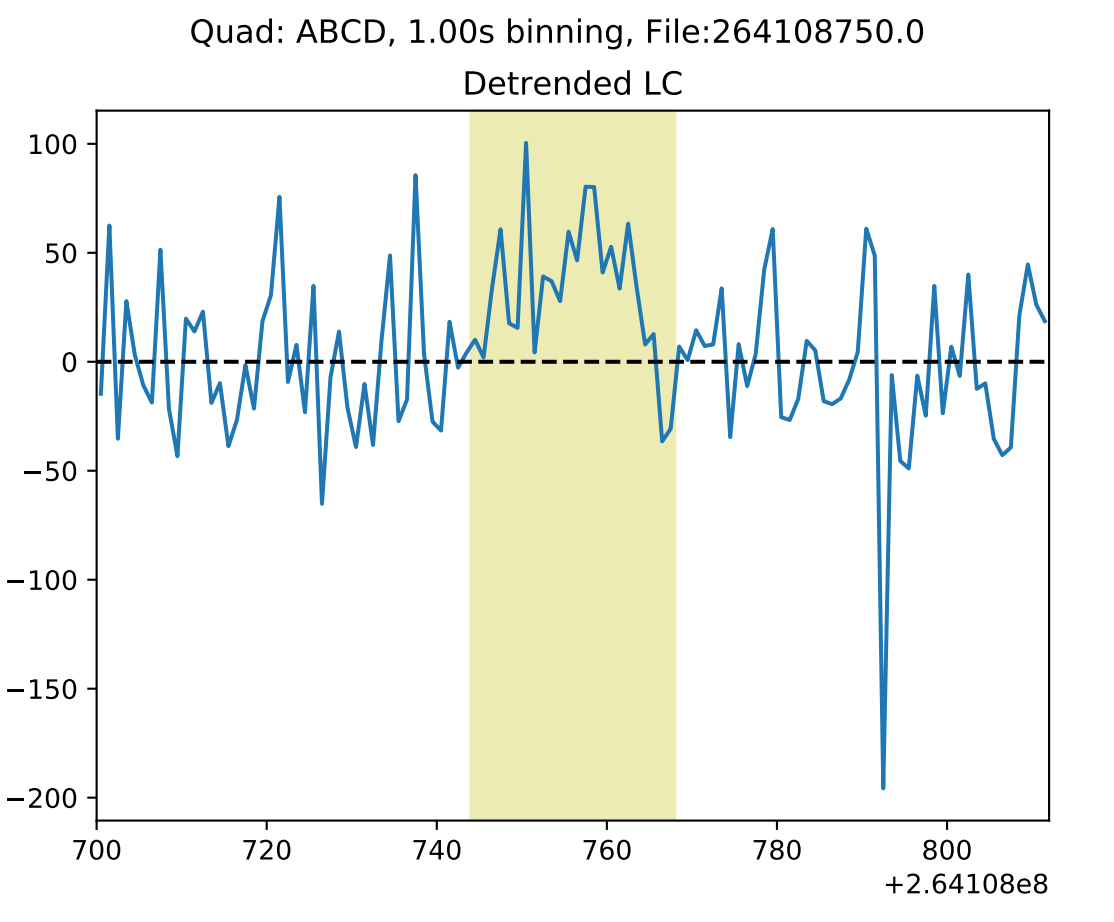

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
700
720
740
760
780
800
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
+2.64108e8
bins
20

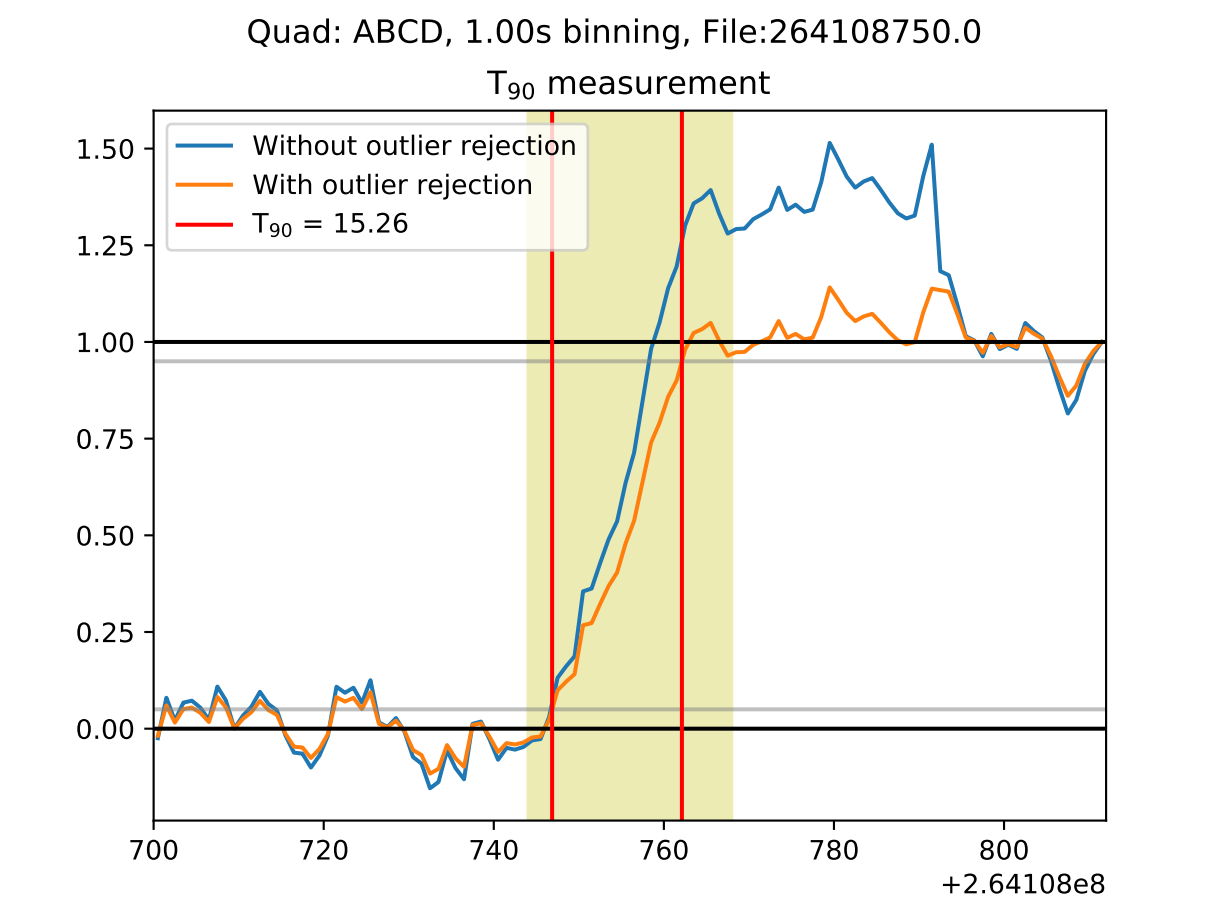

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
700
720
740
760
780
800
0.0
2.5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
+2.64108e8
bins

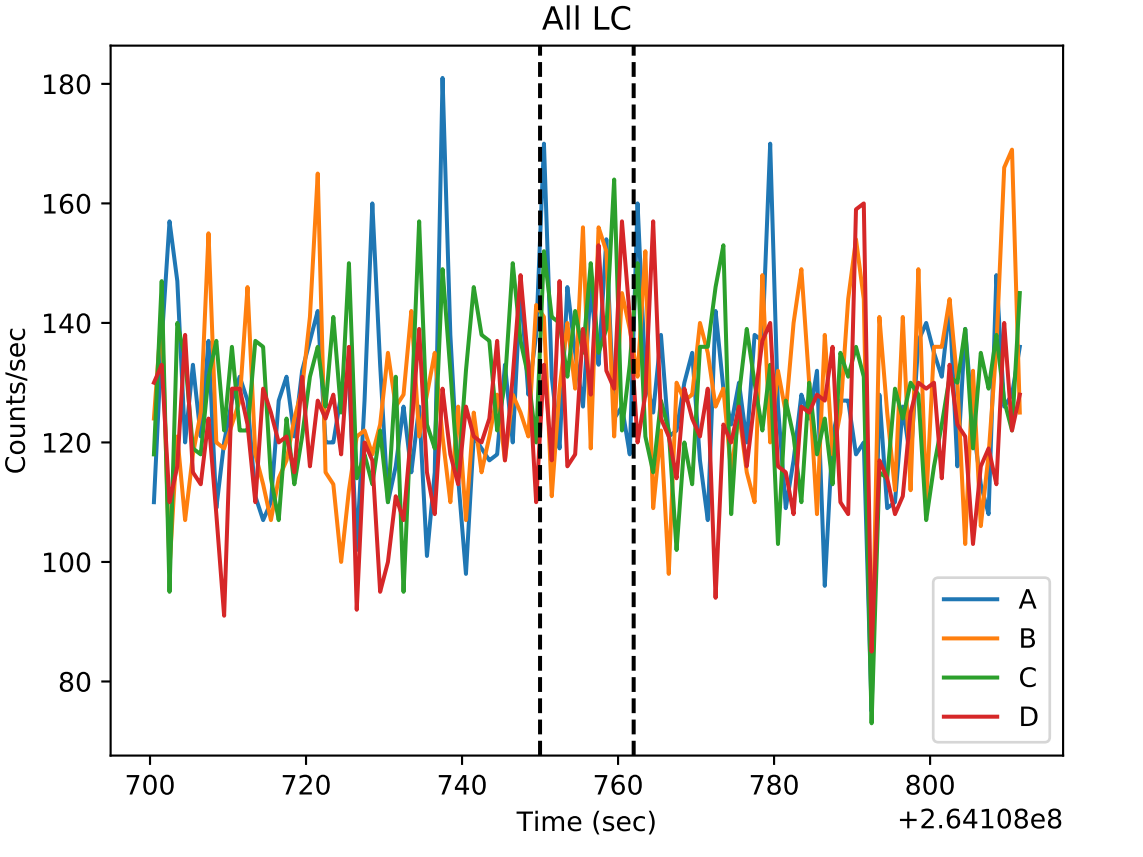

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
700
720
740
760
780
800
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+2.64108e8


Quad: ABCD, 1.00s binning, File:264108750.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
600
550
500
450
400
350
300
700
720
740
760
780
800
+2.64108e8


Quad: ABCD, 1.00s binning, File:264108750.0
Ratio
Transient
Outliers
1.2
1.1
1.0
0.9
0.8
0.7
0.6
700
720
740
760
780
800
+2.64108e8


Quad: ABCD, 1.00s binning, File:264108750.0
Detrended LC
100
50
0
−50
−100
−150
−200
700
720
740
760
780
800
+2.64108e8


Quad: ABCD, 1.00s binning, File:264108750.0
T90 measurement
Without outlier rejection
With outlier rejection
T90 = 15.26
1.50
1.25
1.00
0.75
0.50
0.25
0.00
700
720
740
760
780
800
+2.64108e8


All LC
Counts/sec
180
160
140
120
100
80
700
720
740
760
780
800
Time (sec)
+2.64108e8
A
B
C
D