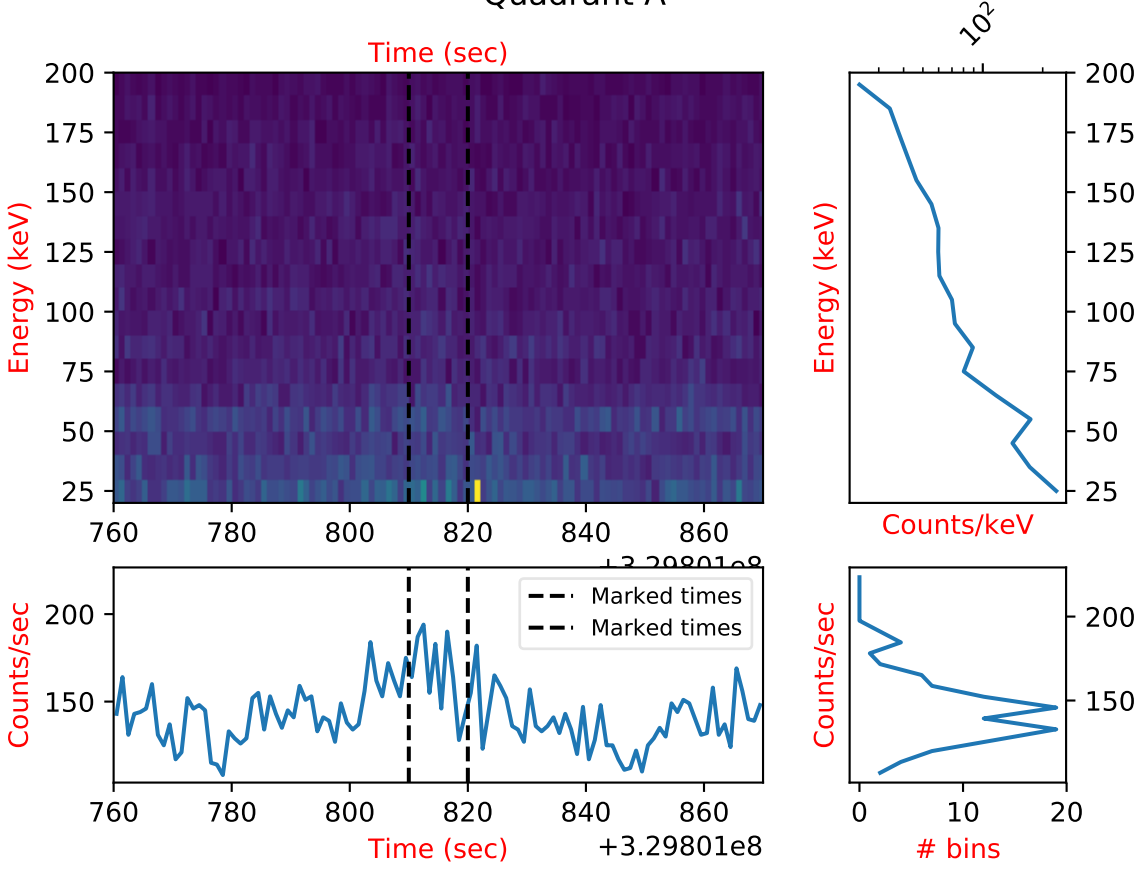
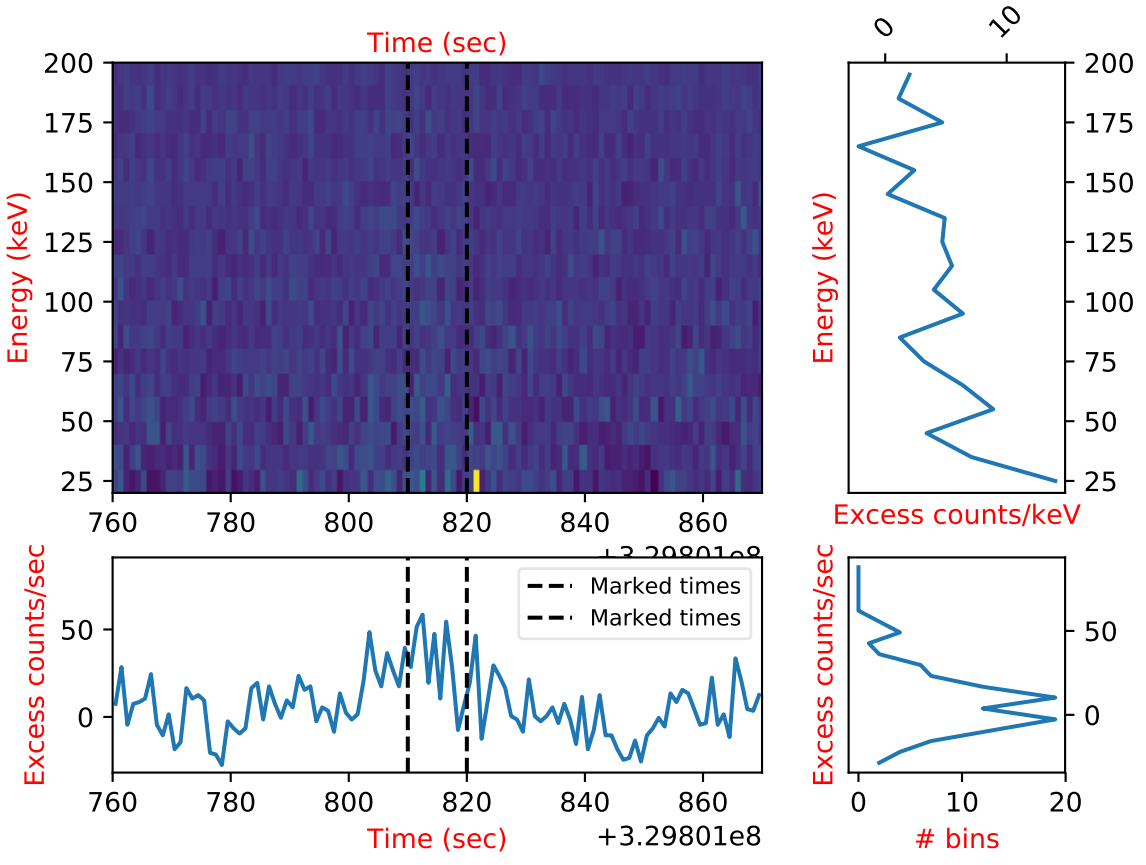
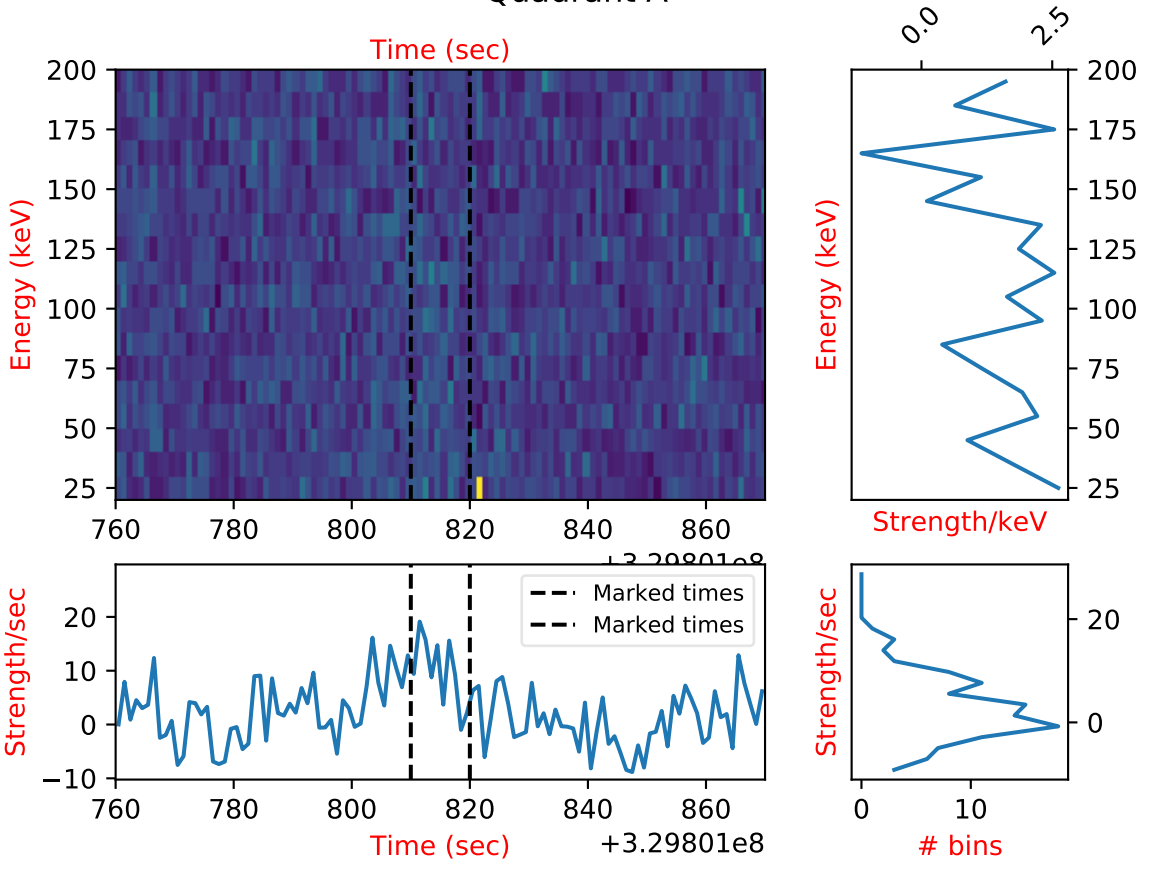
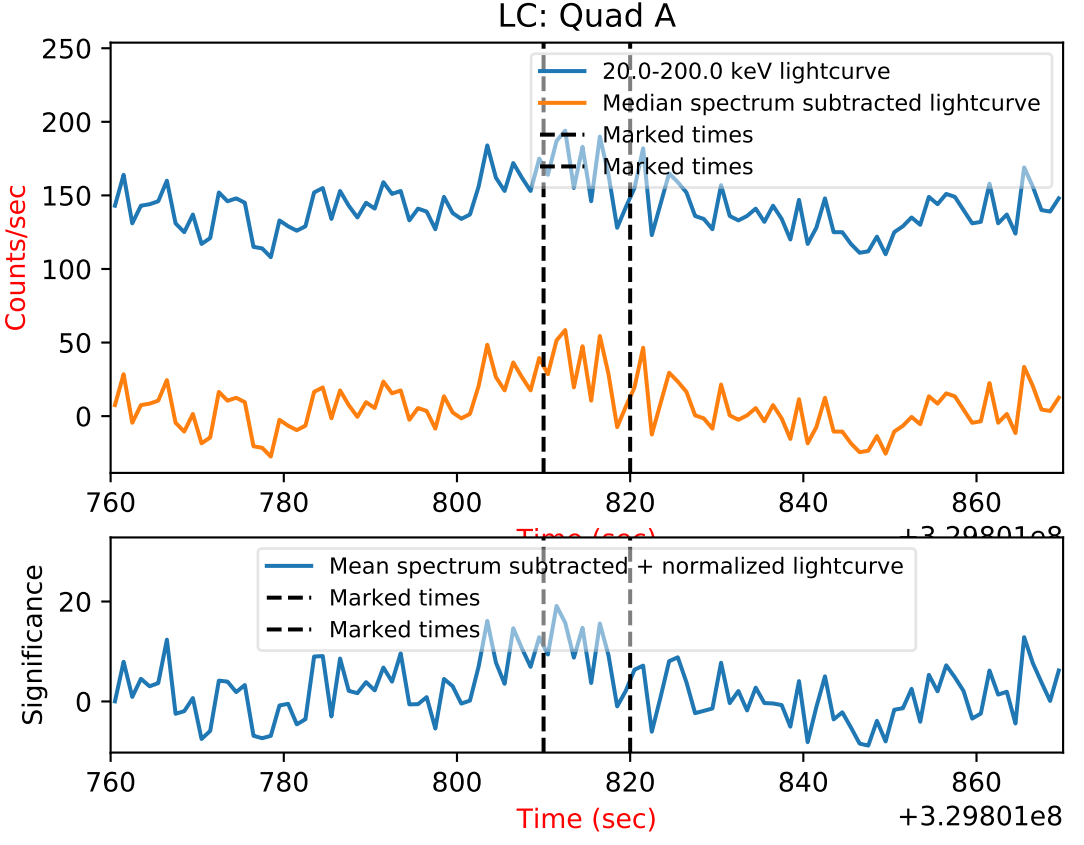
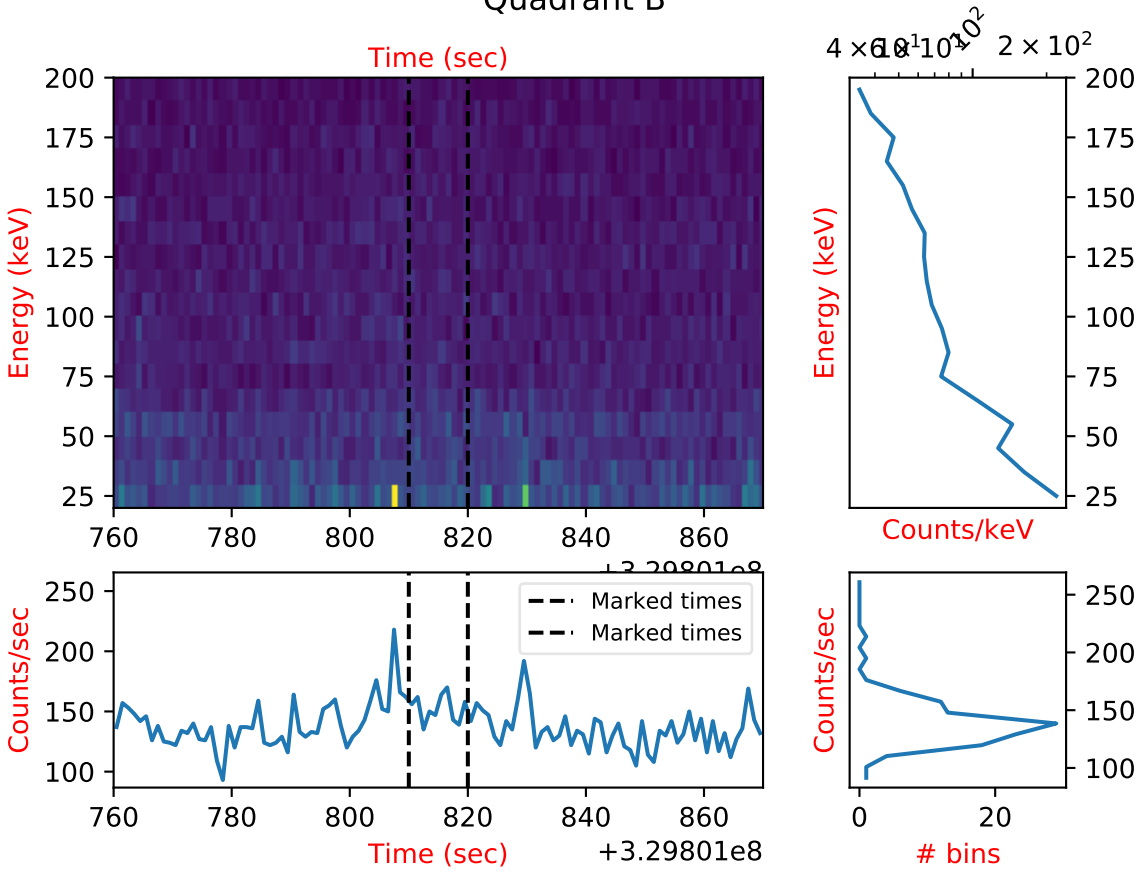
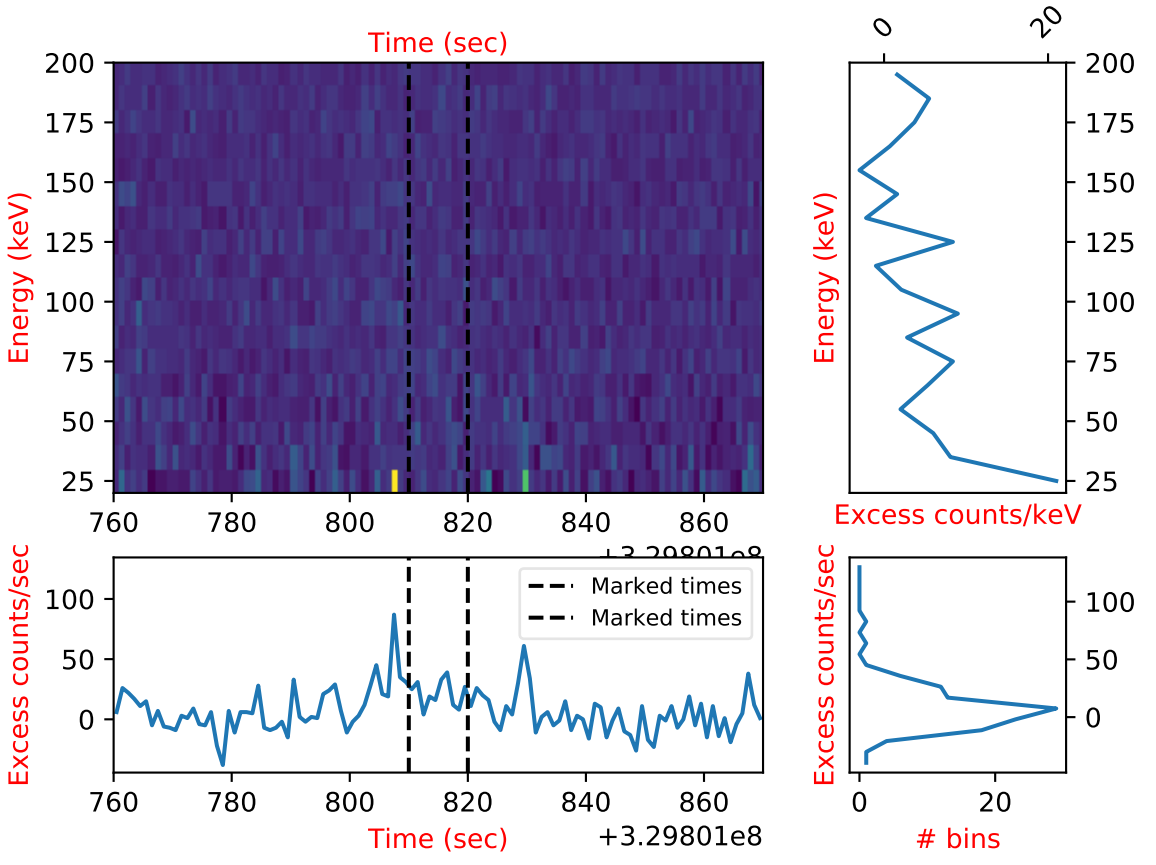

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
760
780
800
820
840
860
10^2
Counts/keV
Marked times
Marked times
Counts/sec
+3.29801e8
0
10
20
bins

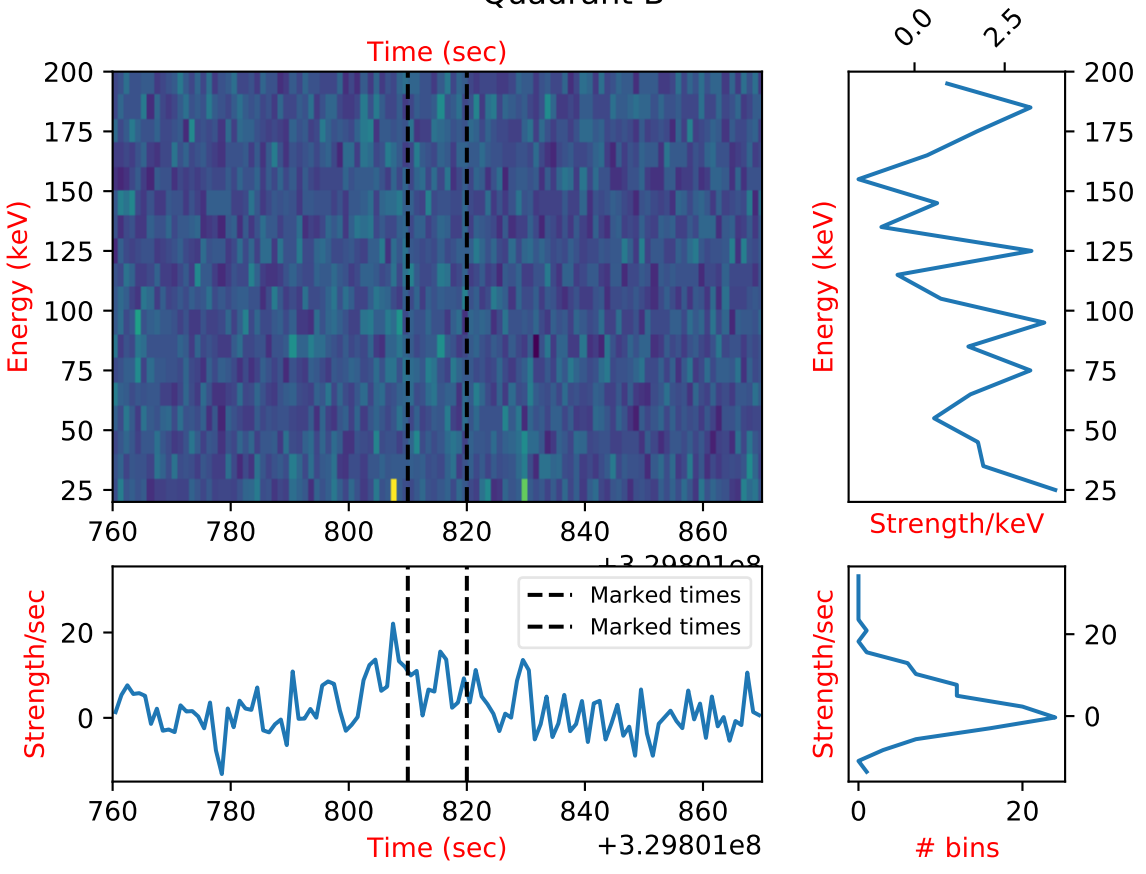

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
760
780
800
820
840
860
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
+3.29801e8
bins
20

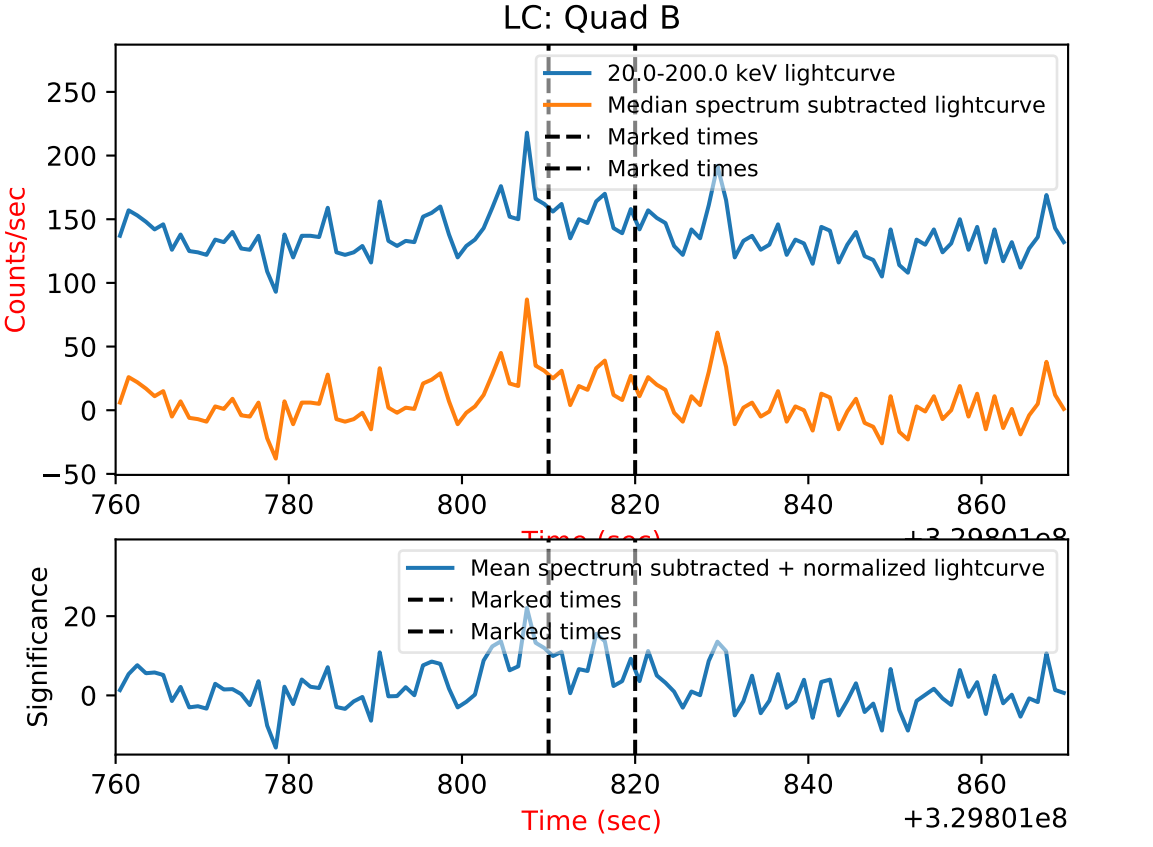

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
760
780
800
820
840
860
+3.29801e8
0.0
2.5
Strength/keV
Strength/sec
20
10
0
−10
Marked times
Marked times
Time (sec)
+3.29801e8
0
10
bins

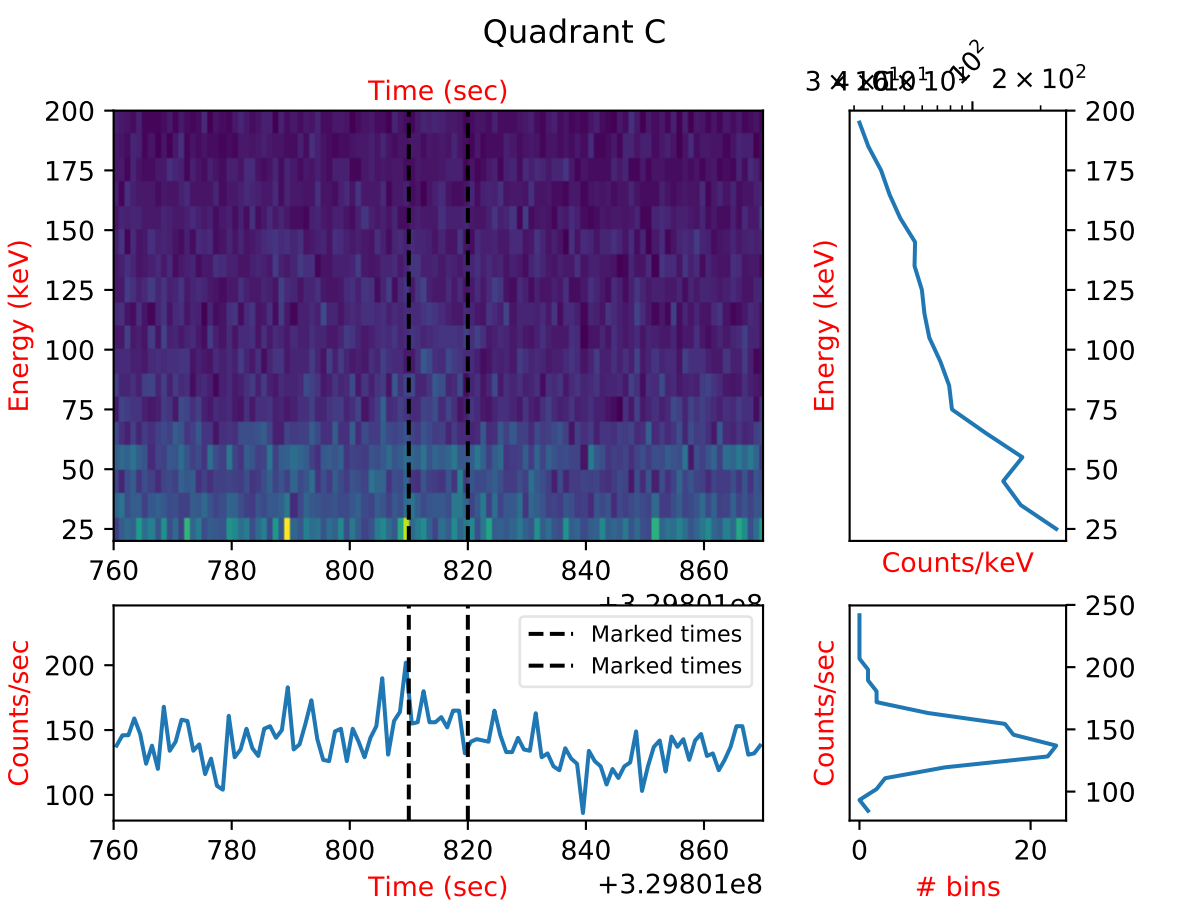

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
760
780
800
820
840
860
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+3.29801e8

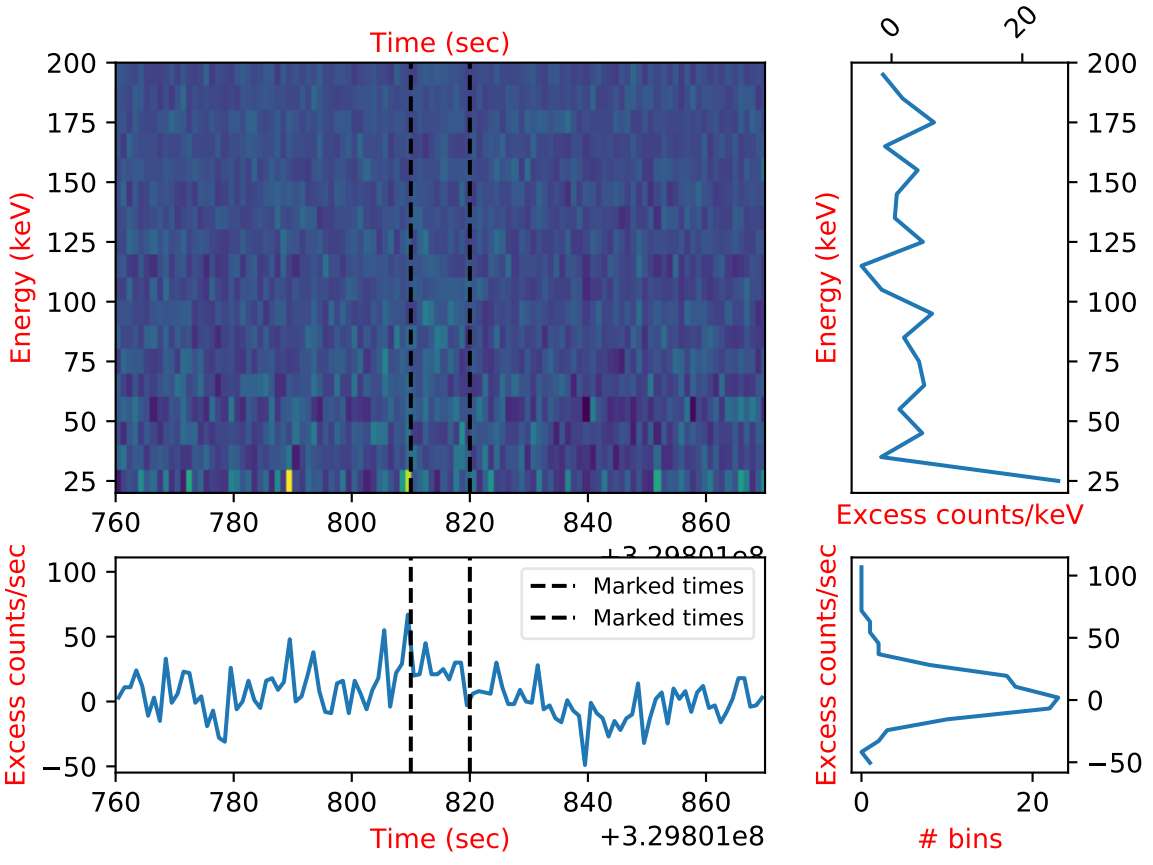

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
760
780
800
820
840
860
+3.29801e8
Counts/sec
250
200
150
100
Marked times
Marked times
Time (sec)
+3.29801e8
4×10^2
2×10^2
Energy (keV)
Counts/keV
Counts/sec
0
20
bins

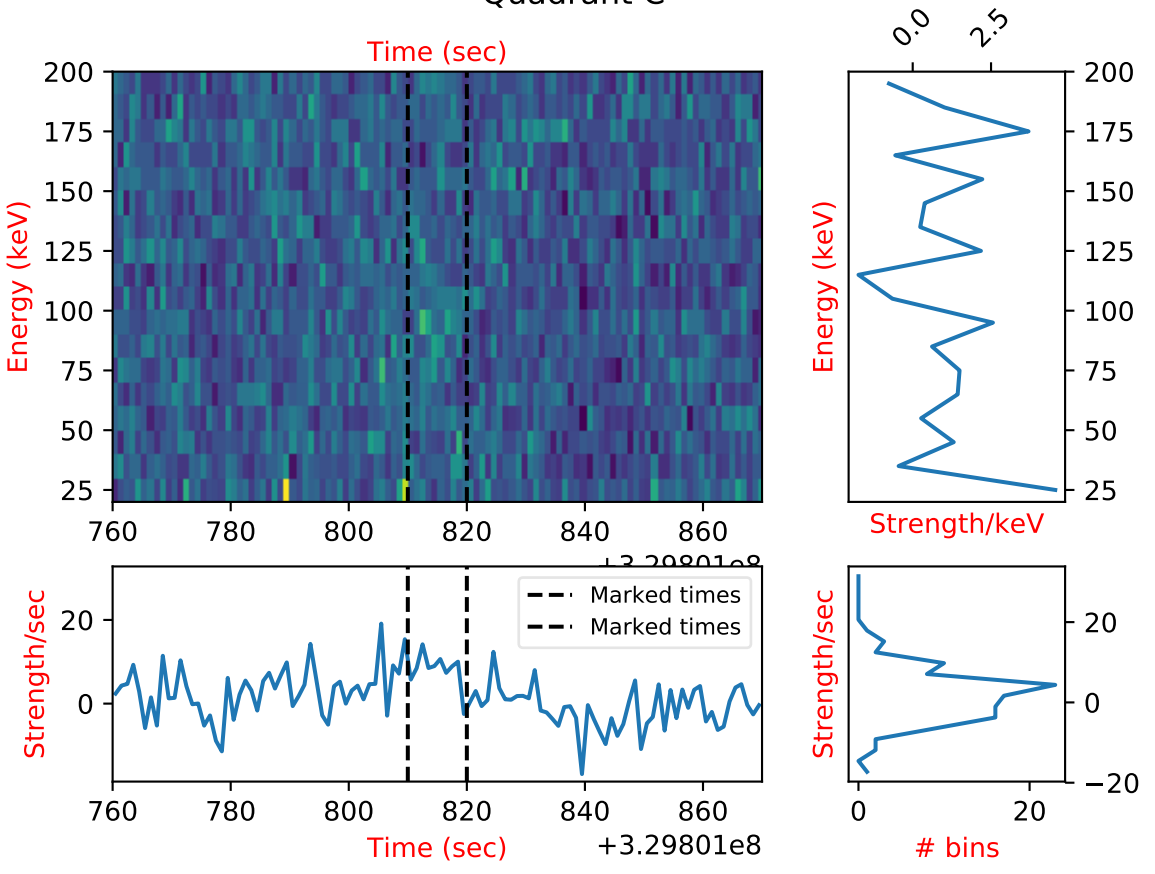

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
760
780
800
820
840
860
0
20
Excess counts/keV
Excess counts/sec
100
50
0
Marked times
Marked times
+3.29801e8
bins

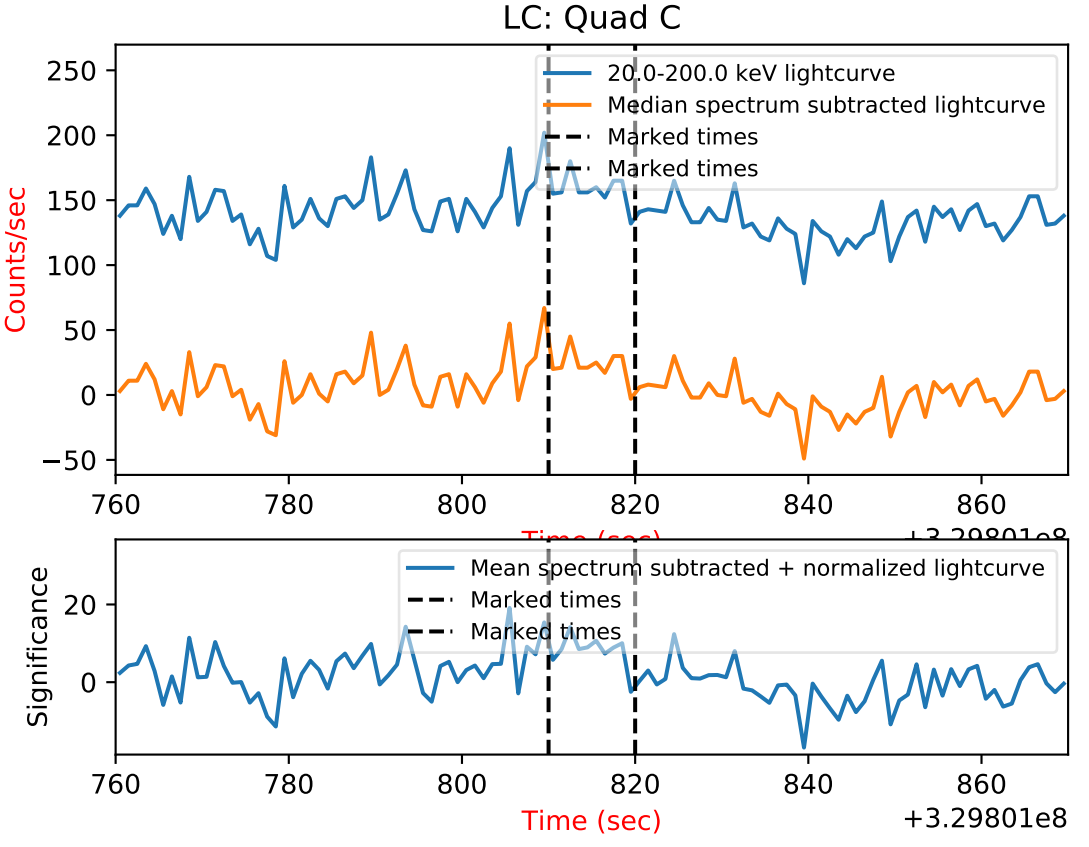

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
760
780
800
820
840
860
0.0
2.5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
+3.29801e8
bins

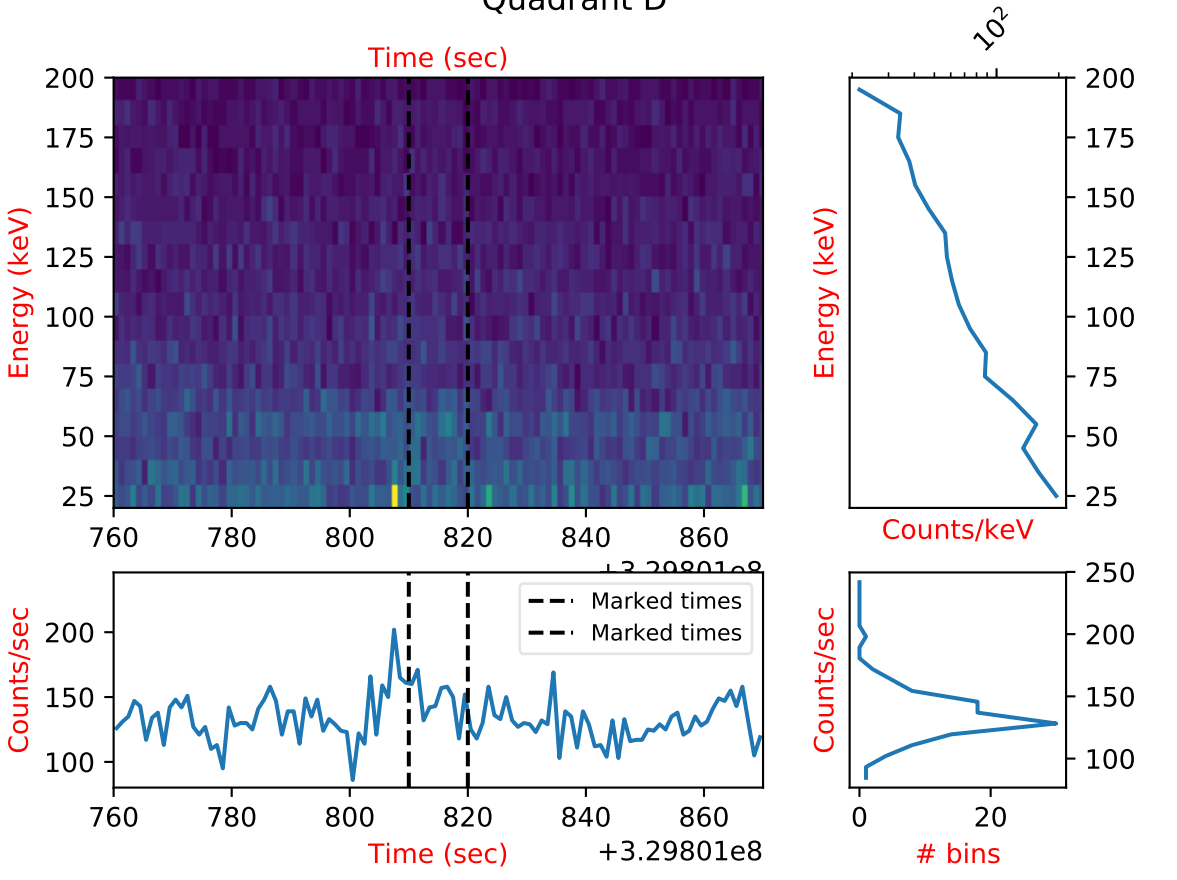

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
760
780
800
820
840
860
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+3.29801e8

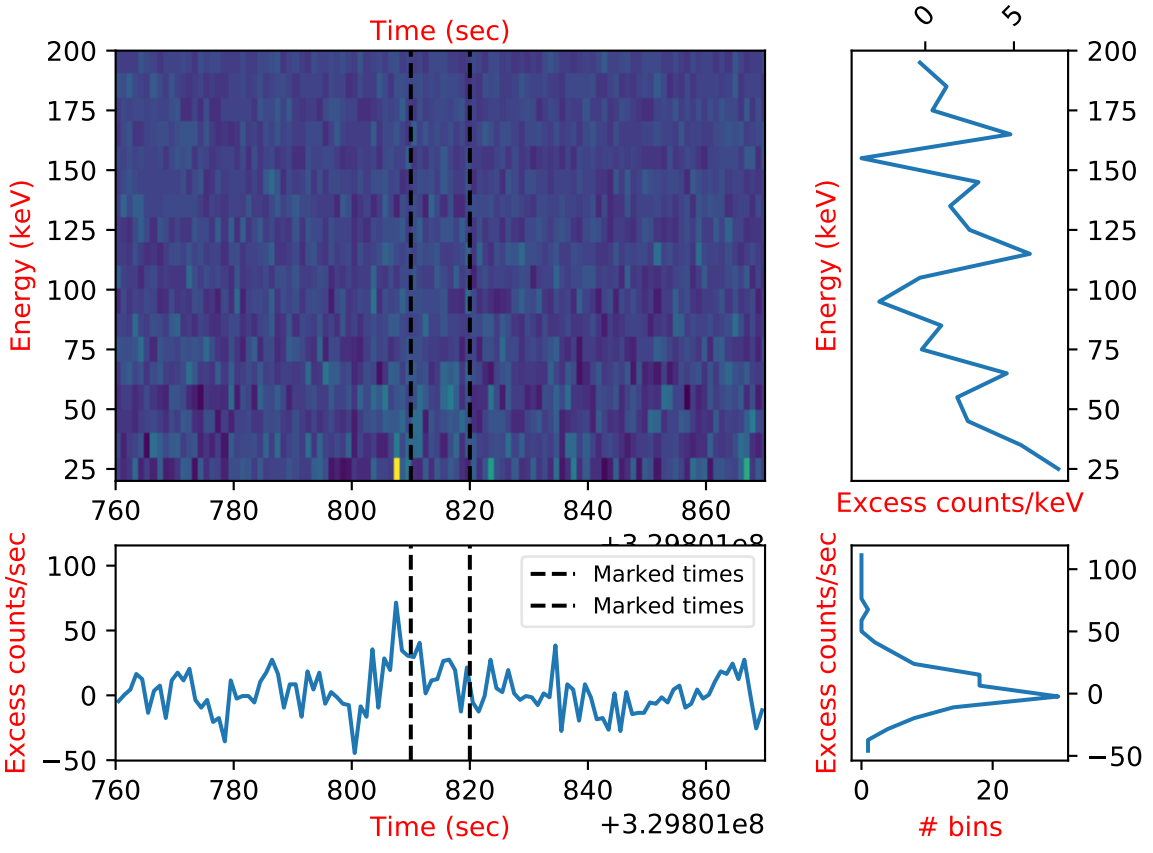

Quadrant C
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
Marked times
Marked times
+3.29801e8
bins

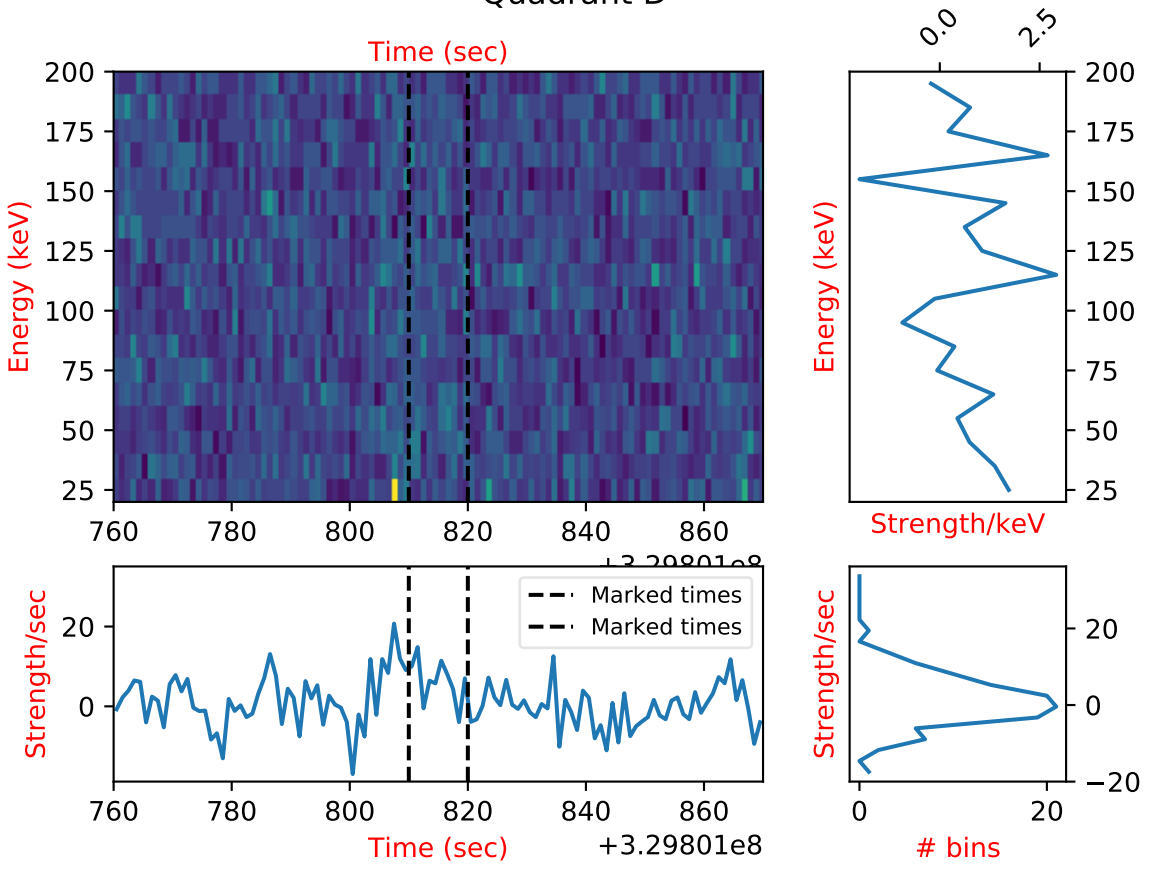

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
760
780
800
820
840
860
0
20
Excess counts/keV
Excess counts/sec
100
50
0
−50
Marked times
Marked times
+3.29801e8
bins

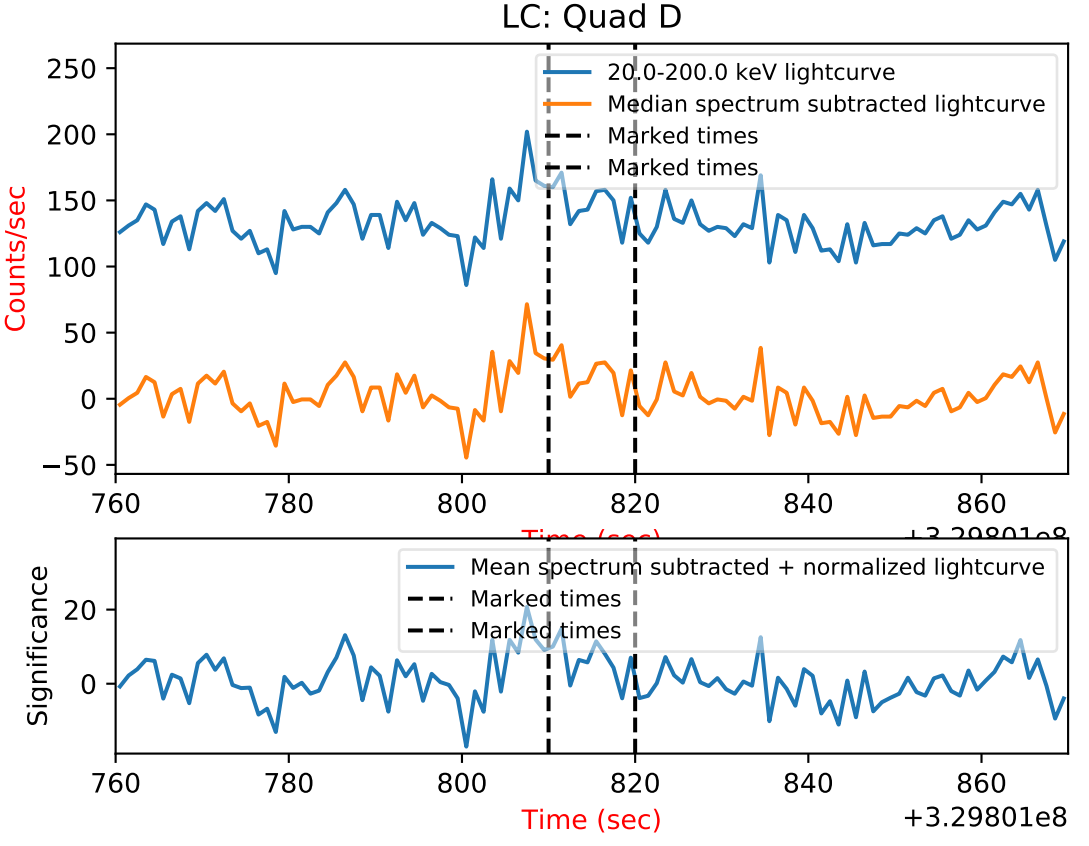

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
760
780
800
820
840
860
+3.29801e8
0.0
2.5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
−20
bins


LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
760
780
800
820
840
860
+3.29801e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
760
780
800
820
840
860
Time (sec)
+3.29801e8

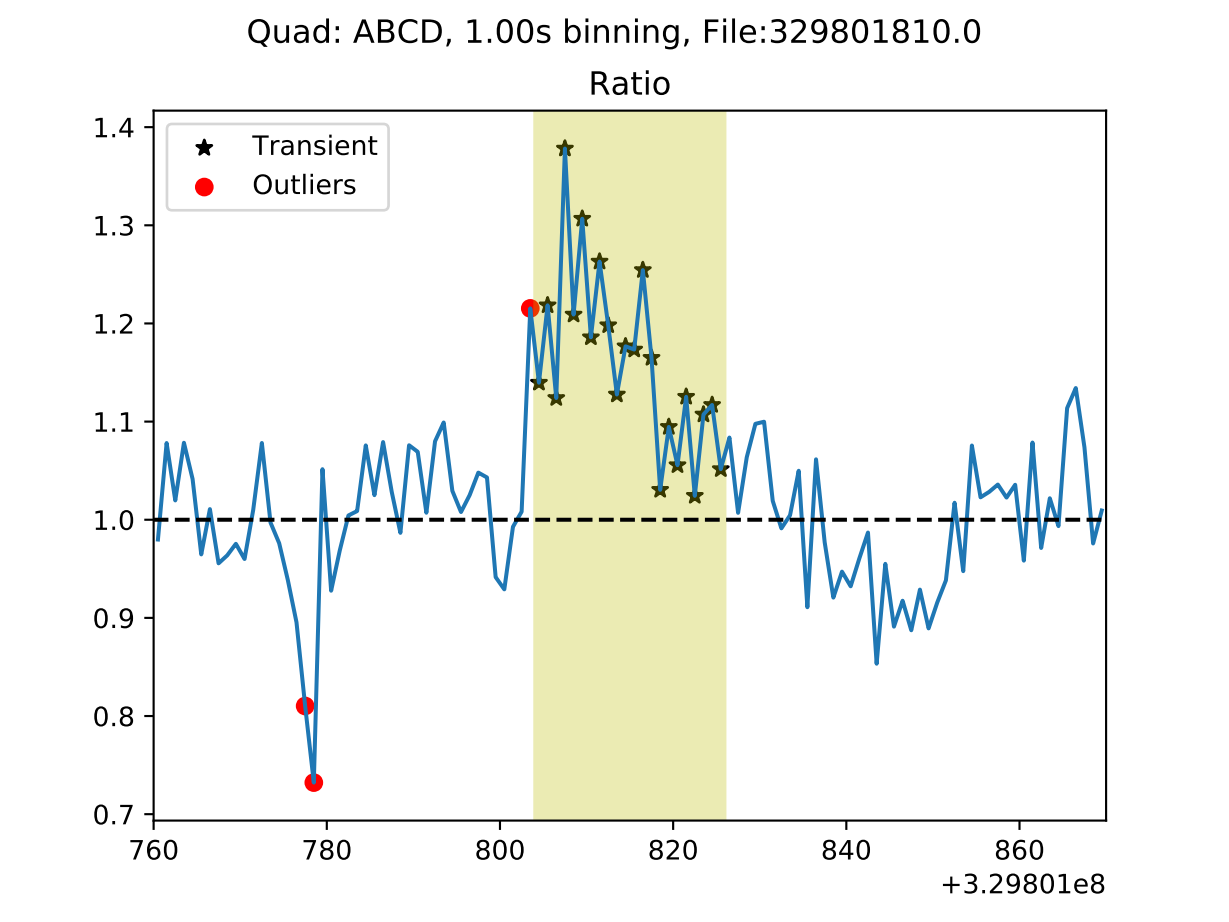

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
760
780
800
820
840
860
10^2
Counts/keV
Counts/sec
Marked times
Marked times
250
0
20
bins
+3.29801e8

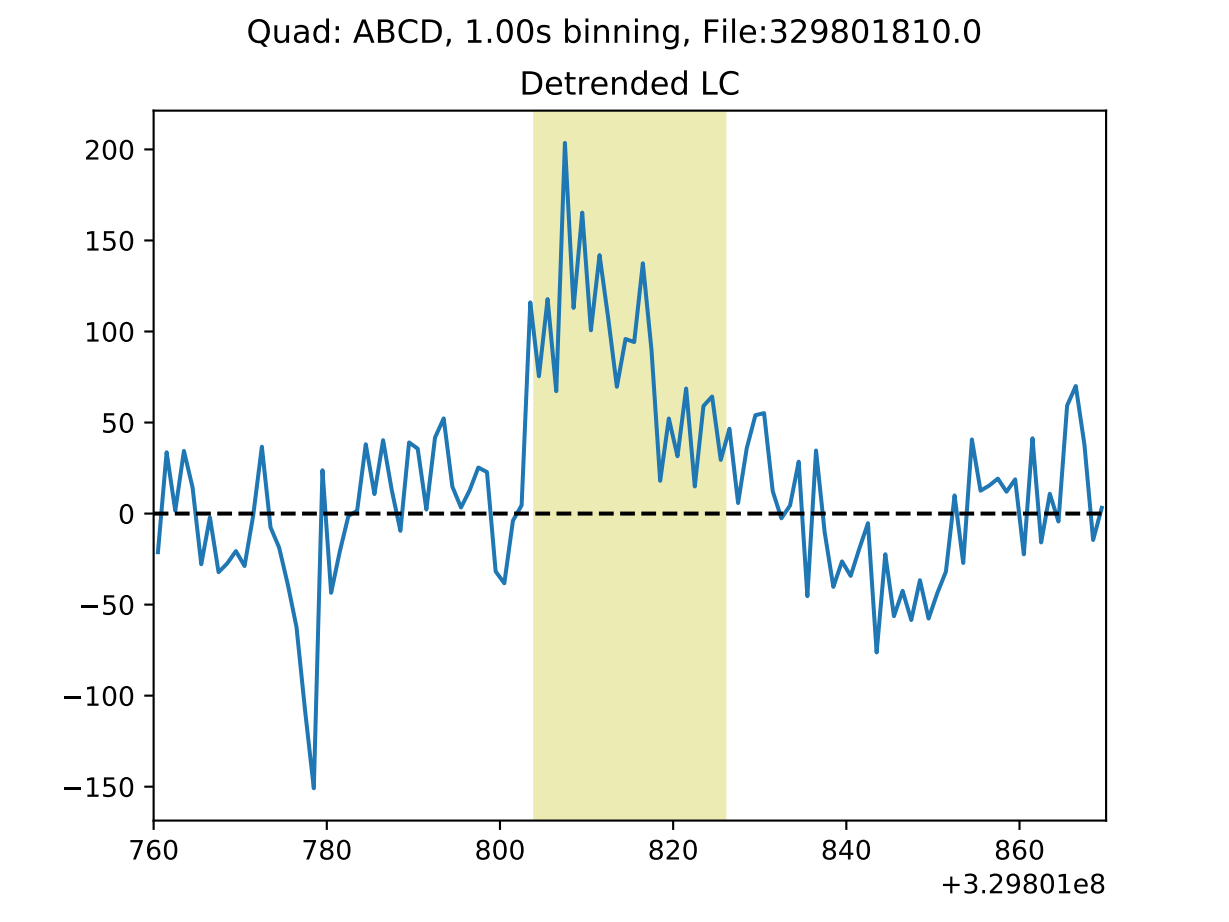

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
760
780
800
820
840
860
0
5
Excess counts/keV
Excess counts/sec
100
50
0
−50
Marked times
Marked times
+3.29801e8
bins
20


Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
760
780
800
820
840
860
+3.29801e8
0.0
2.5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
Time (sec)
+3.29801e8
−20
bins

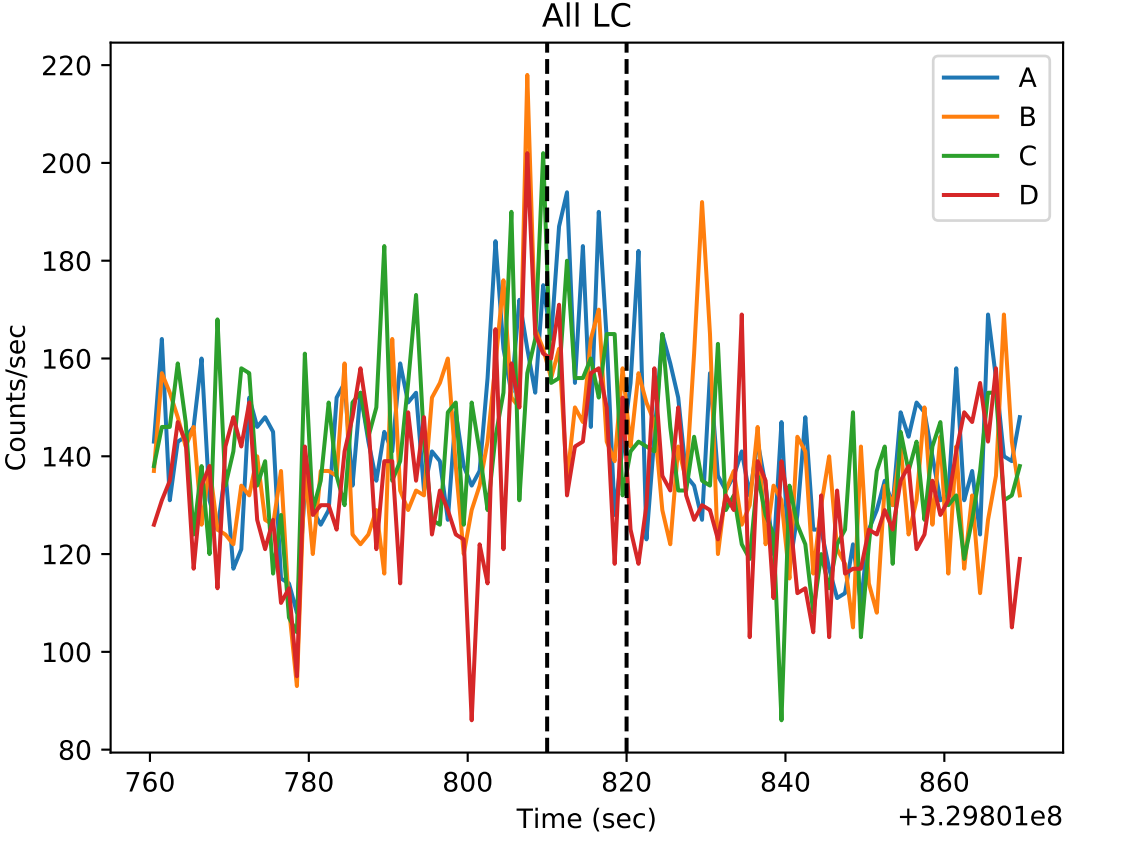

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
760
780
800
820
840
860
+3.29801e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)

Quad: ABCD, 1.00s binning, File:329801810.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
750
700
650
600
550
500
450
400
760
780
800
820
840
860
+3.29801e8


Quad: ABCD, 1.00s binning, File:329801810.0
Ratio
Transient
Outliers
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
760
780
800
820
840
860
+3.29801e8


Quad: ABCD, 1.00s binning, File:329801810.0
Detrended LC
200
150
100
50
0
−50
−100
−150
760
780
800
820
840
860
+3.29801e8

Quad: ABCD, 1.00s binning, File:329801810.0
T90 measurement
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
760
780
800
820
840
860
+3.29801e8
Without outlier rejection
With outlier rejection
T90 = 18.65


All LC
A
B
C
D
Counts/sec
Time (sec)
+3.29801e8
220
200
180
160
140
120
100
80
760
780
800
820
840
860