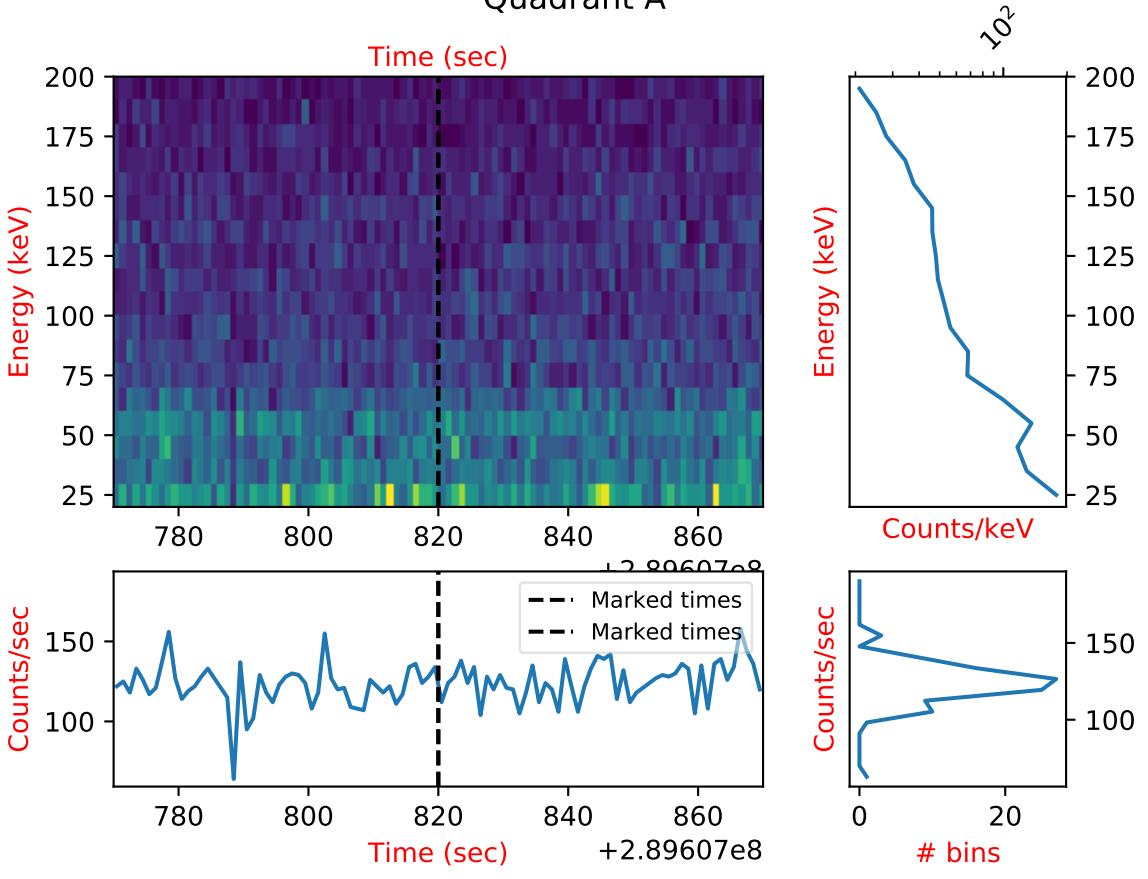
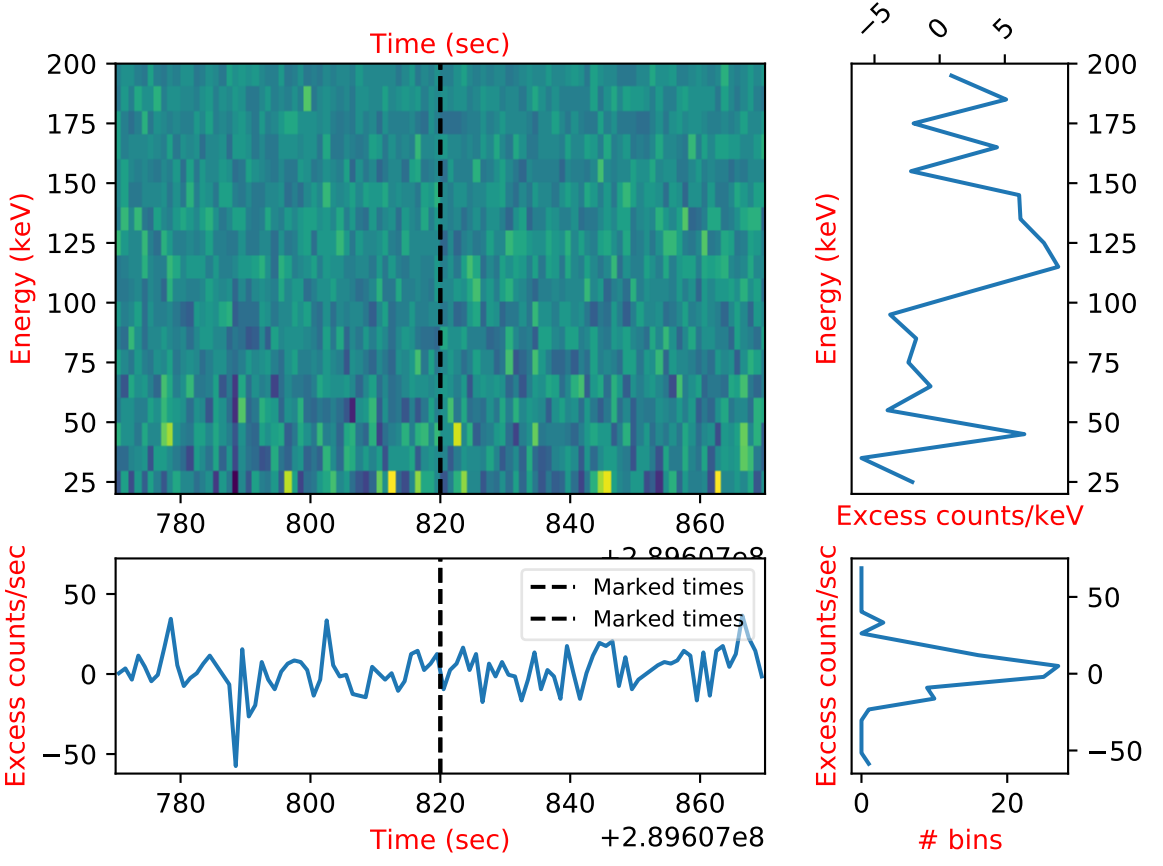
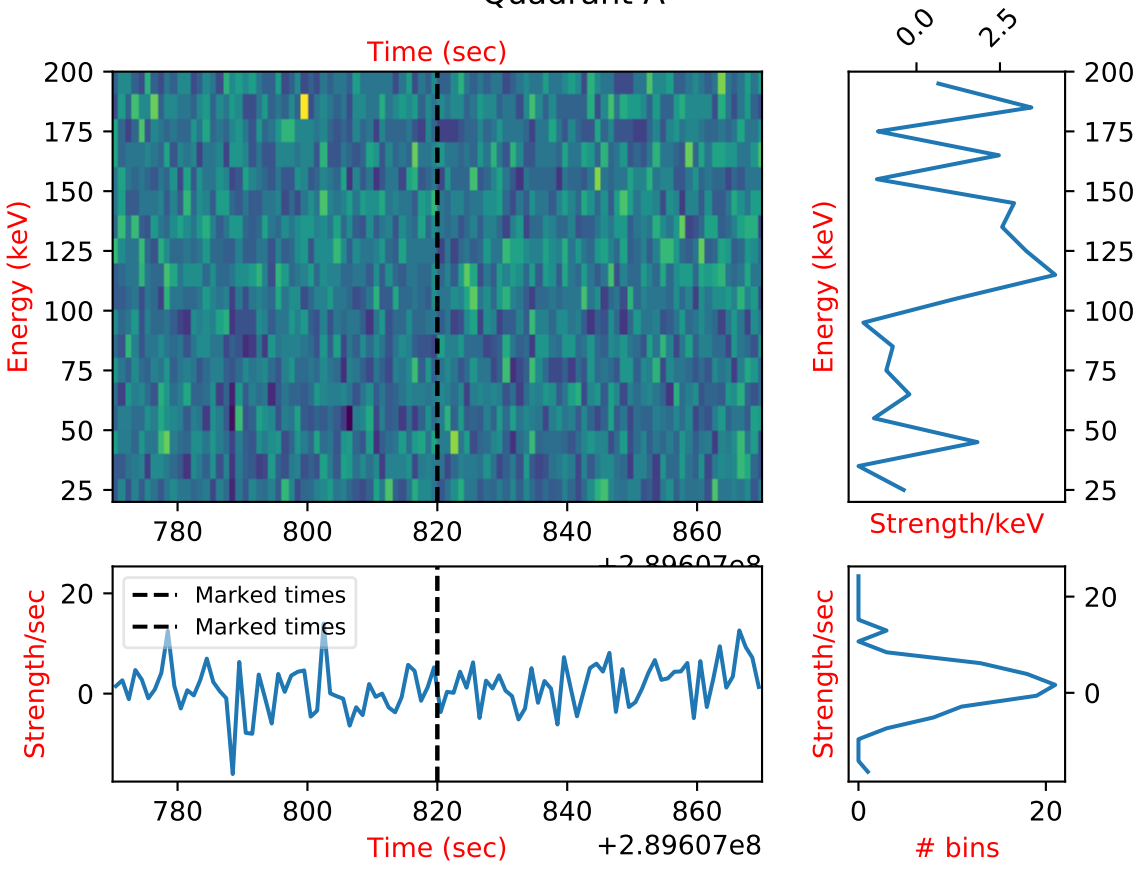
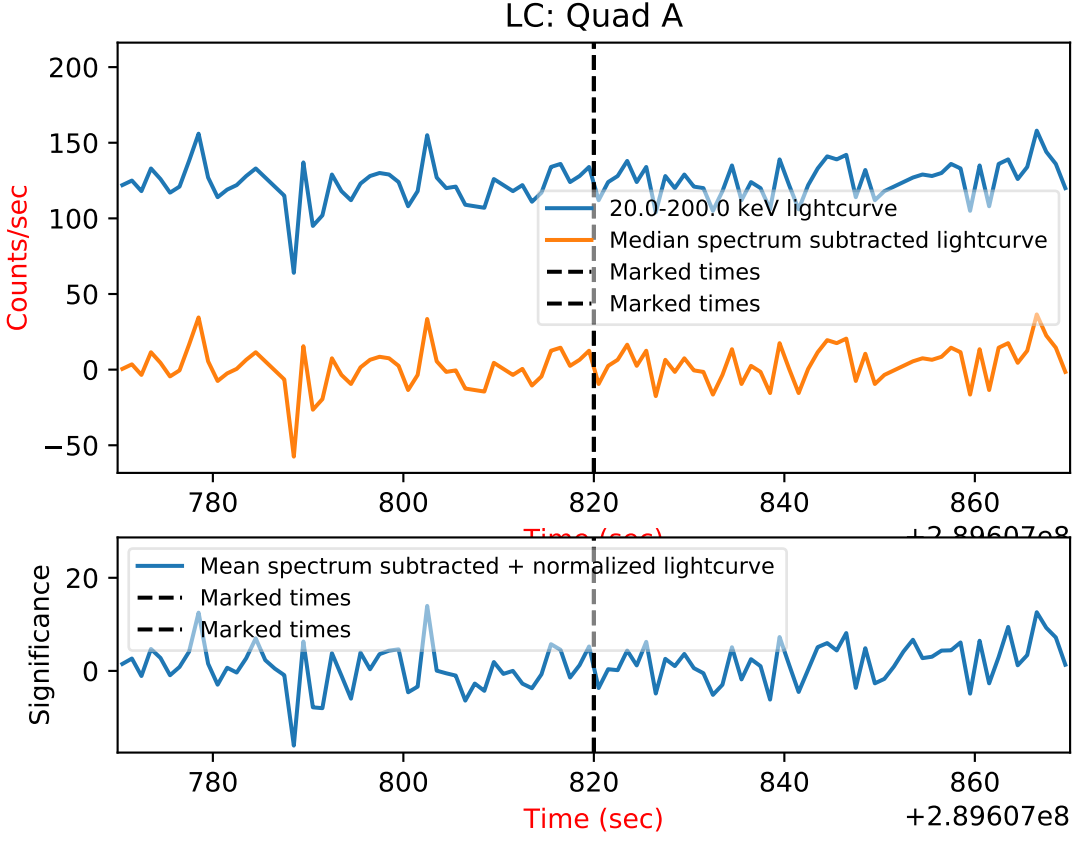
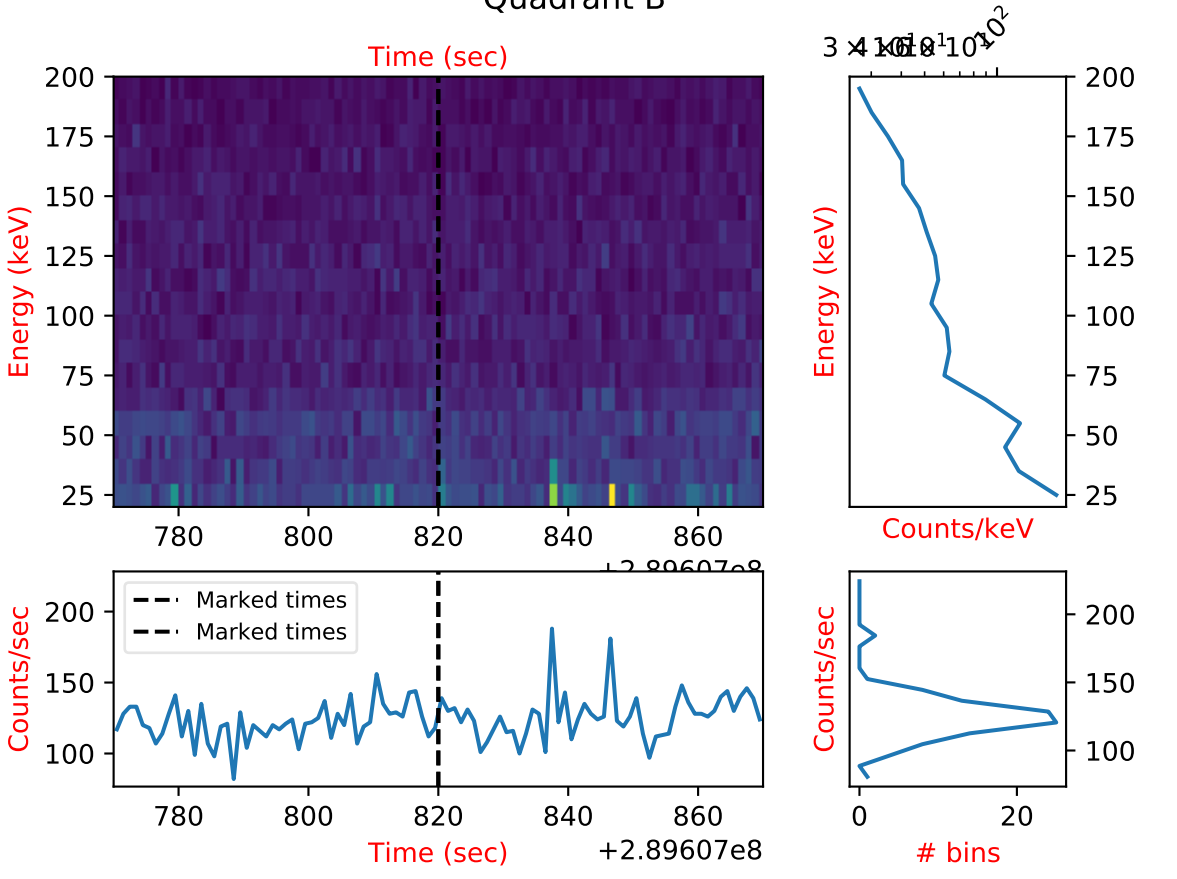
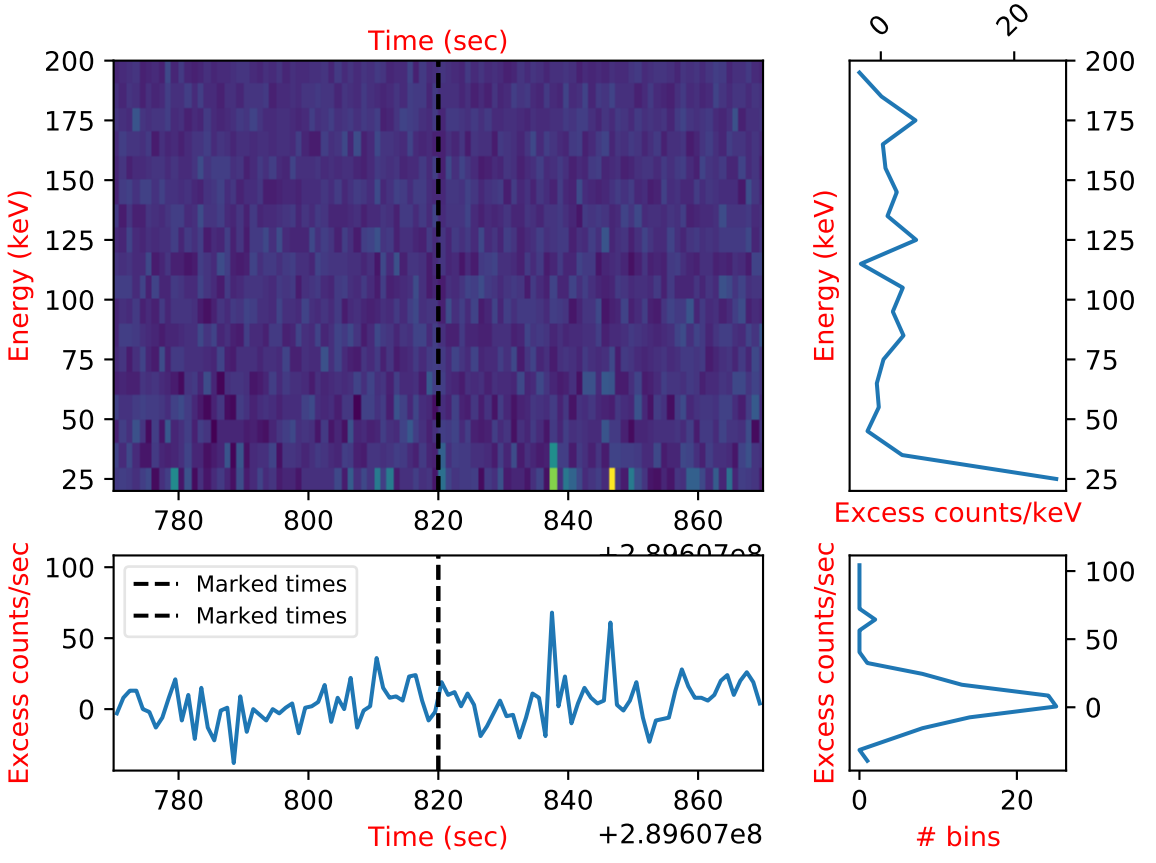

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
10^2
Counts/keV
Marked times
Marked times
Counts/sec
150
100
+2.89607e8
0
20
bins

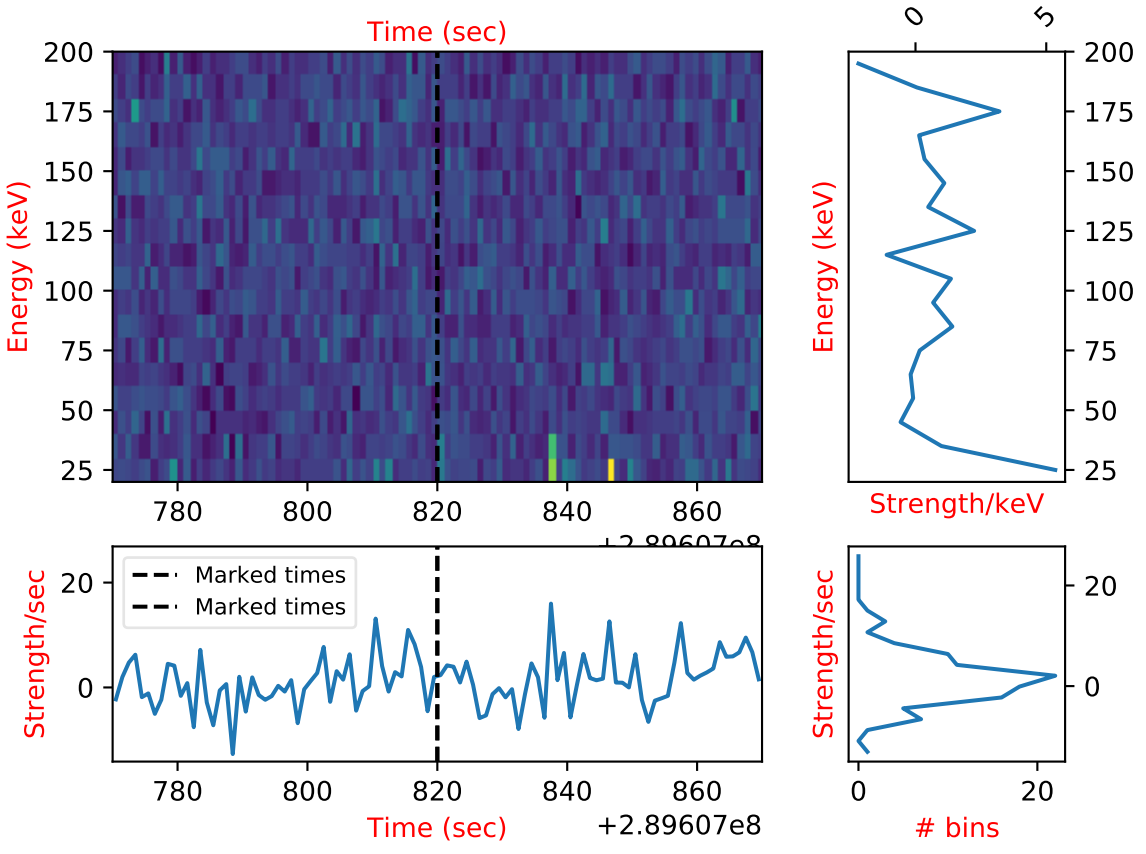

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
−5
0
5
Excess counts/keV
Excess counts/sec
50
0
−50
Marked times
Marked times
+2.89607e8
bins
20

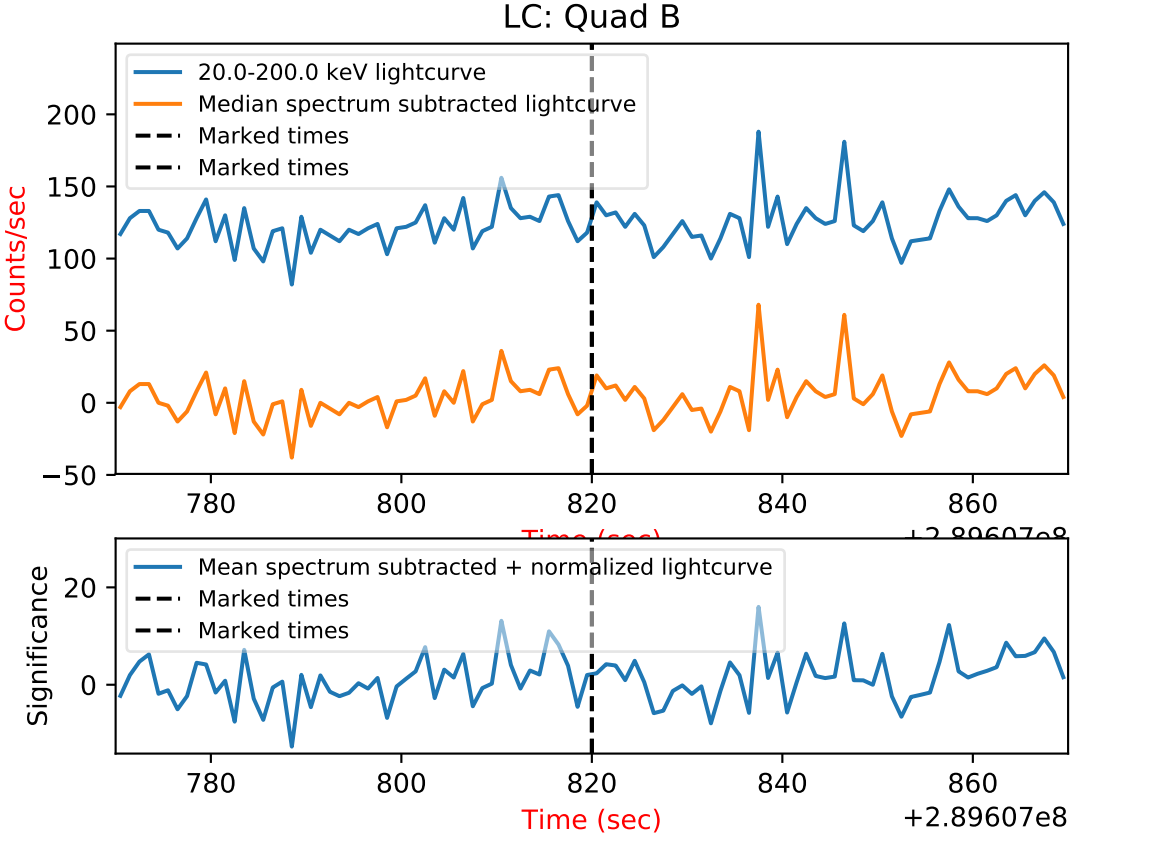

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
0.0
2.5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
+2.89607e8
bins

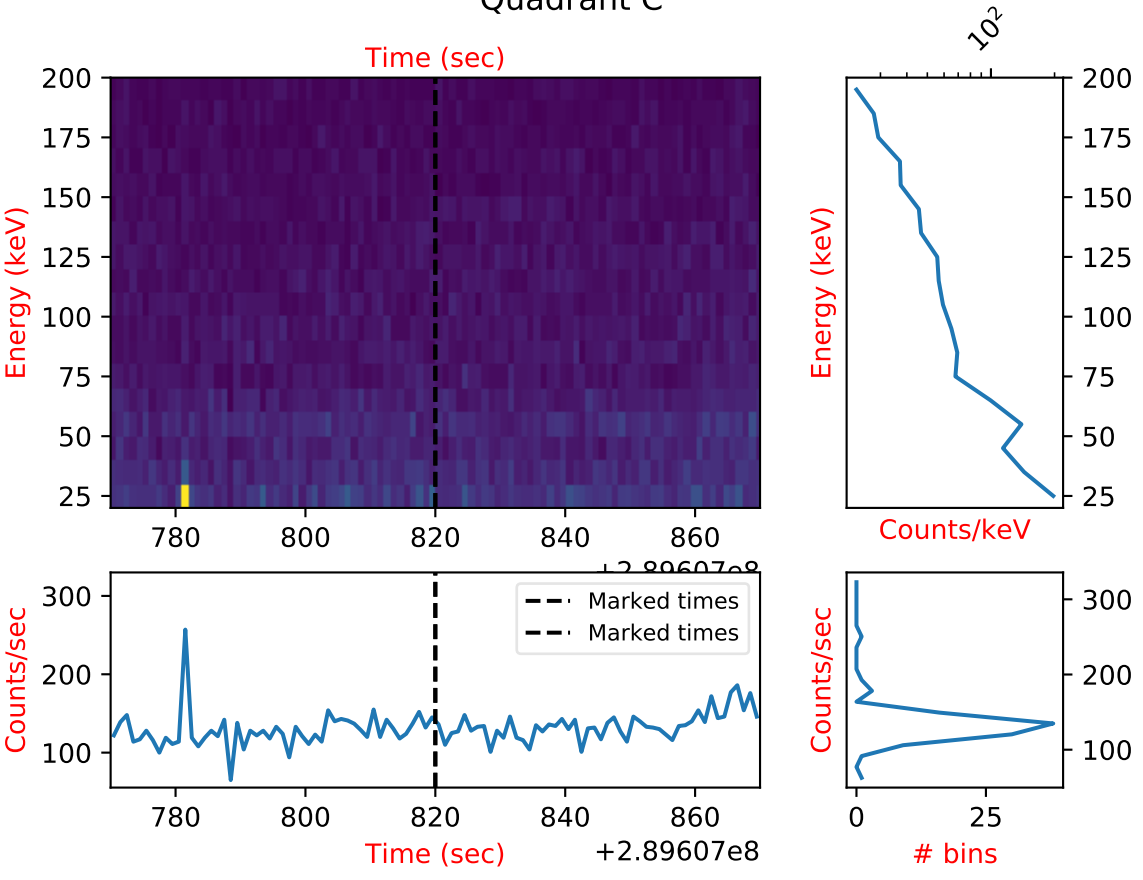

LC: Quad A
Counts/sec
200
150
100
50
0
−50
780
800
820
840
860
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+2.89607e8

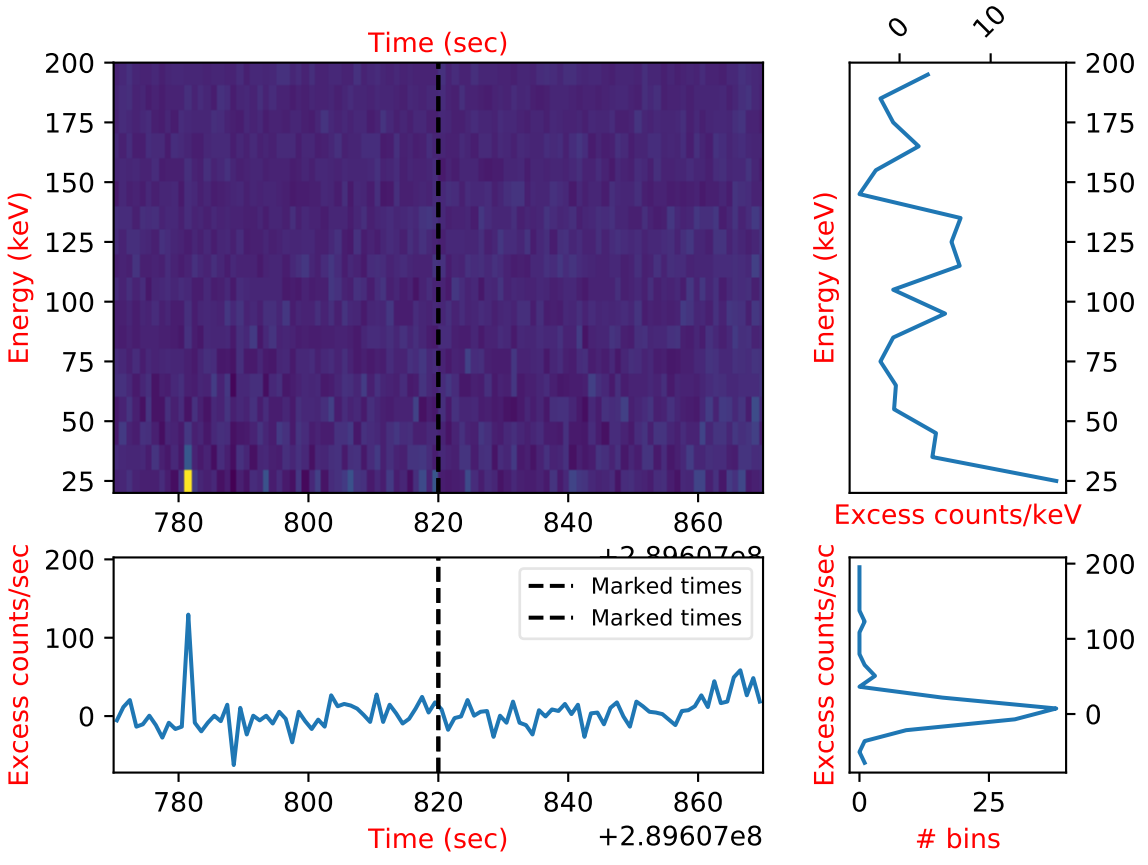

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
+2.89607e8
Counts/keV
Marked times
Marked times
Counts/sec
Time (sec)
bins
0
20

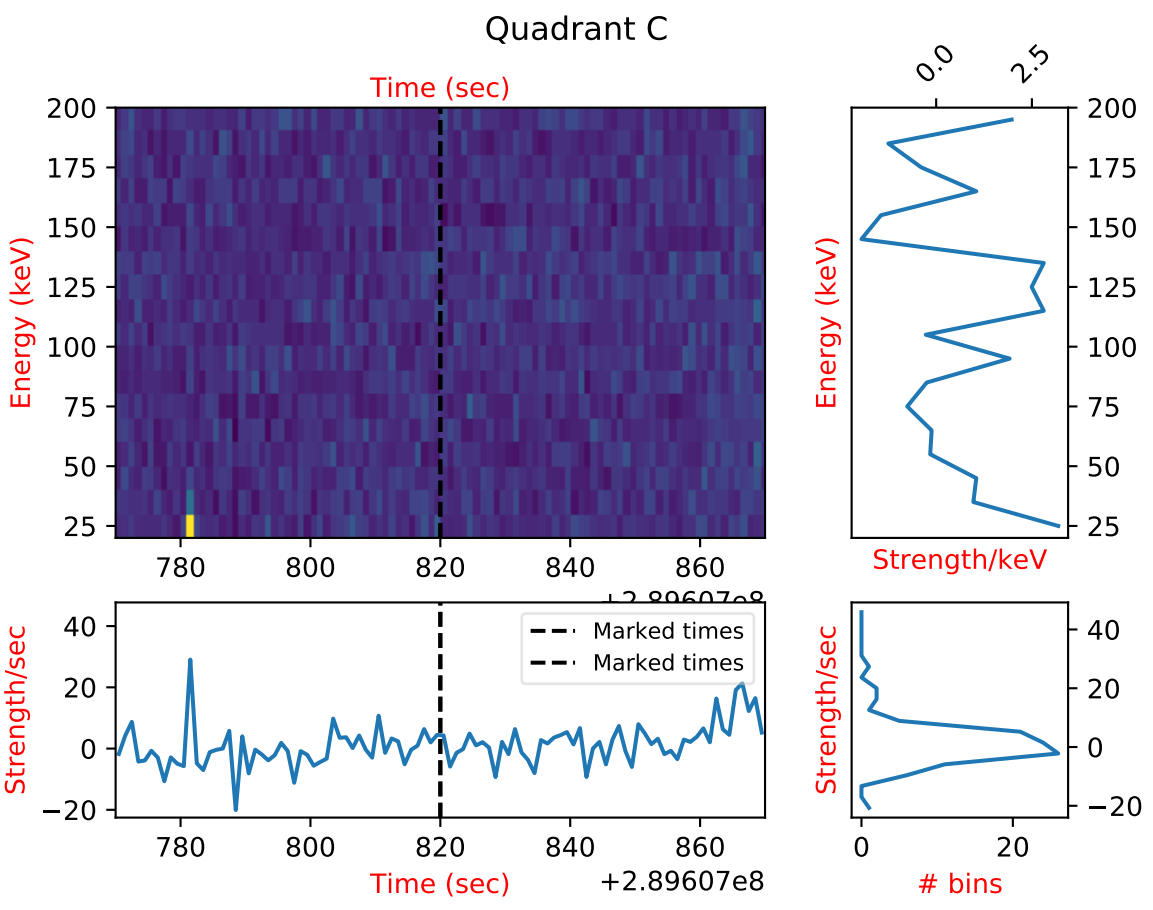

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
0
20
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+2.89607e8
bins

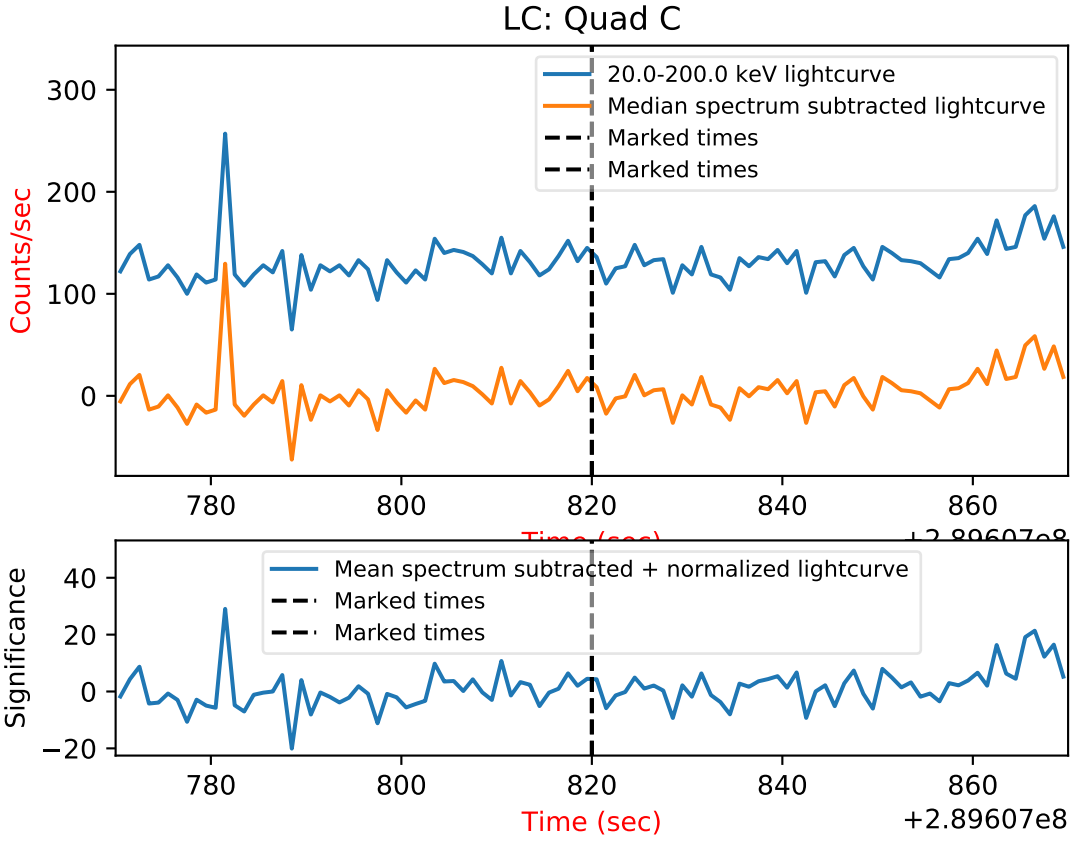

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
0
5
Strength/keV
Strength/sec
Marked times
Marked times
20
0
+2.89607e8
bins

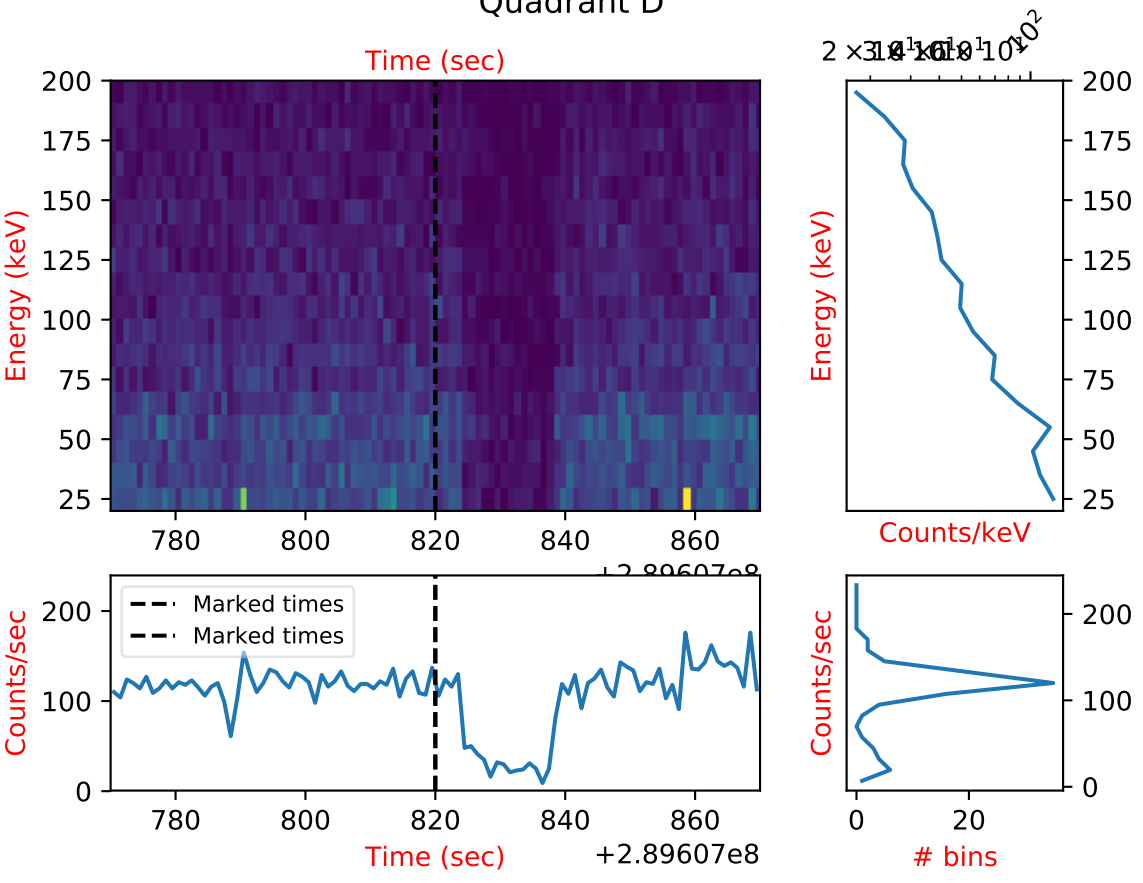

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−50
780
800
820
840
860
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
780
800
820
840
860
Time (sec)
+2.89607e8

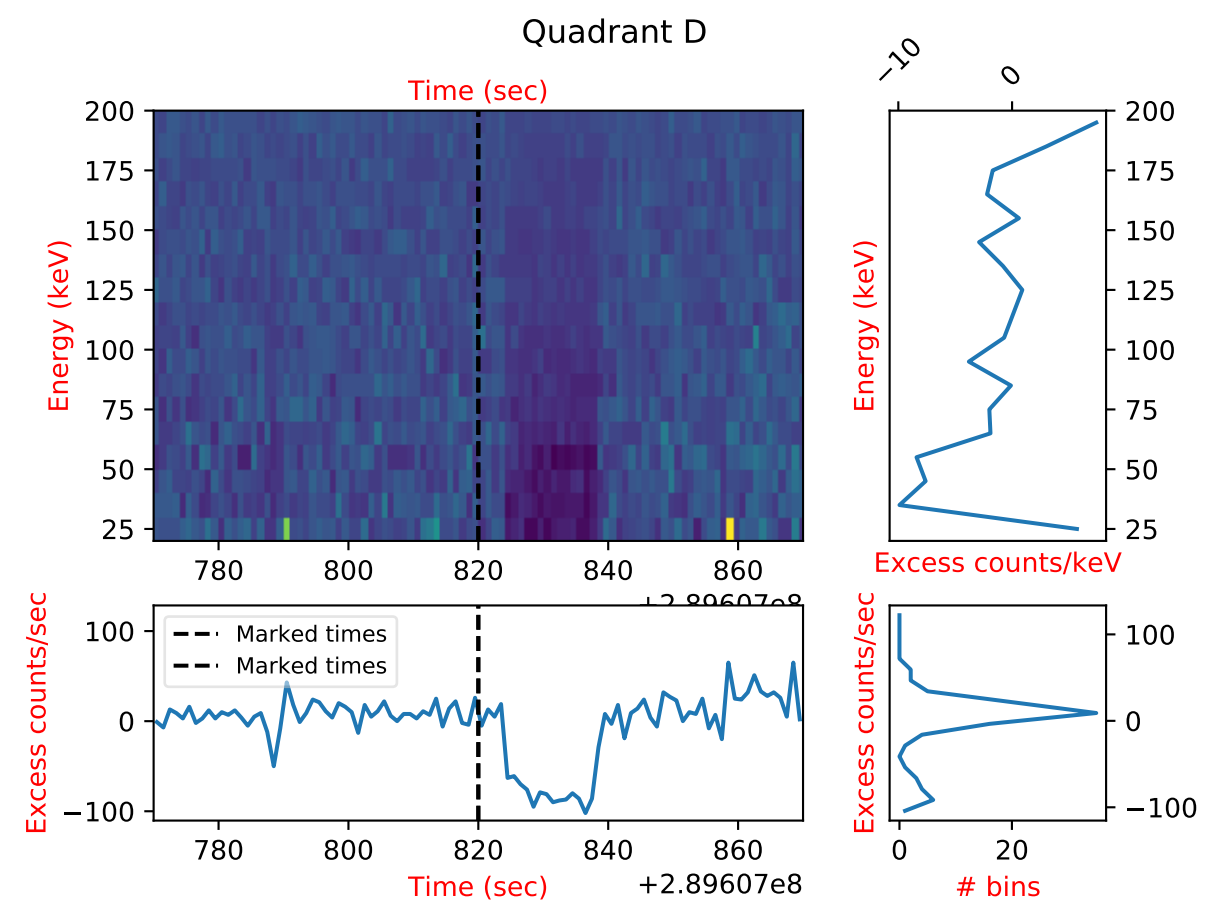

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
10^2
Counts/keV
Marked times
Marked times
Counts/sec
300
200
100
+2.89607e8
0
25
bins

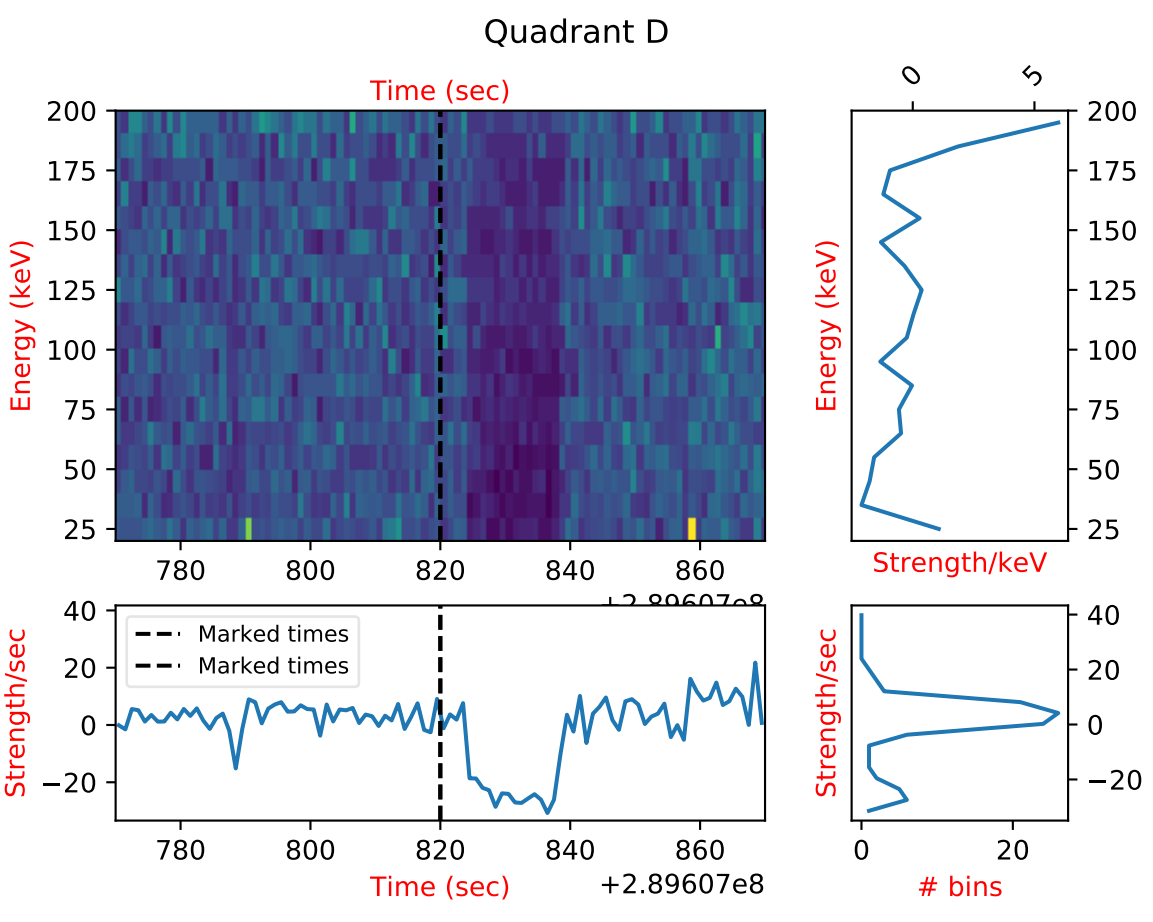

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+2.89607e8
bins

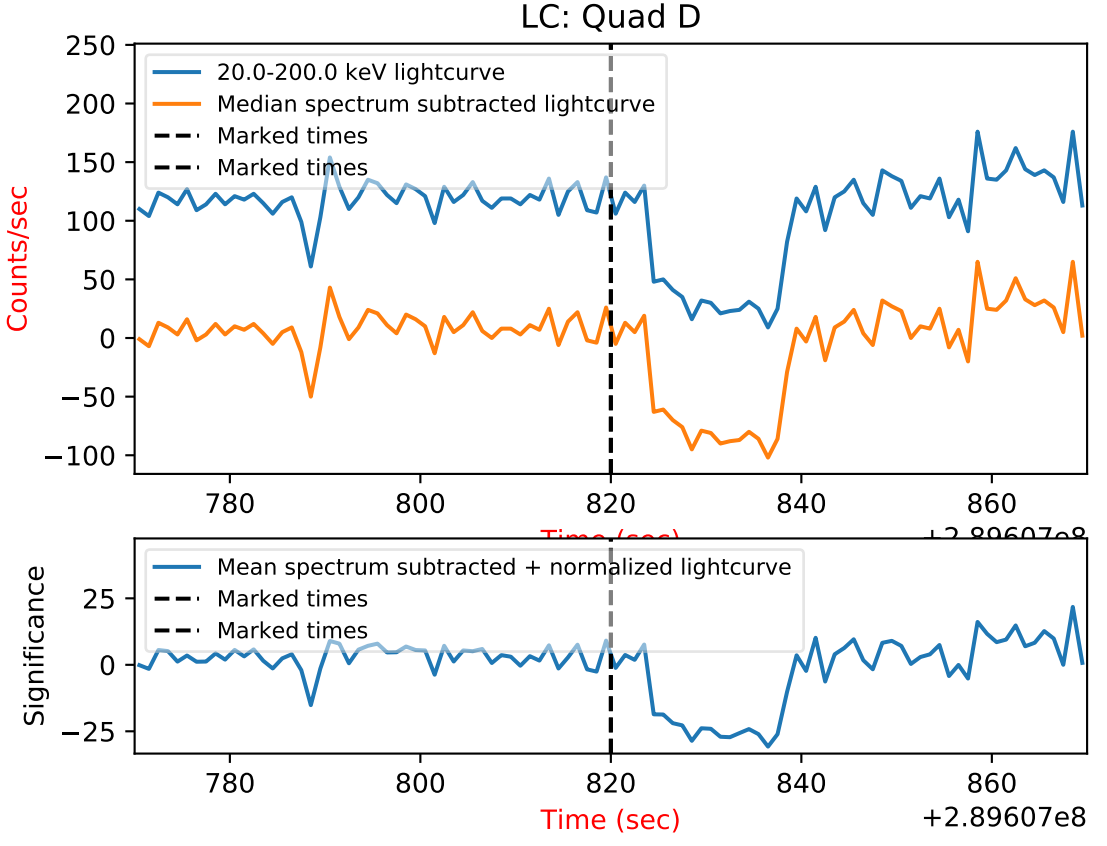

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
0.0
2.5
Strength/keV
Strength/sec
40
20
0
−20
Marked times
Marked times
+2.89607e8
bins

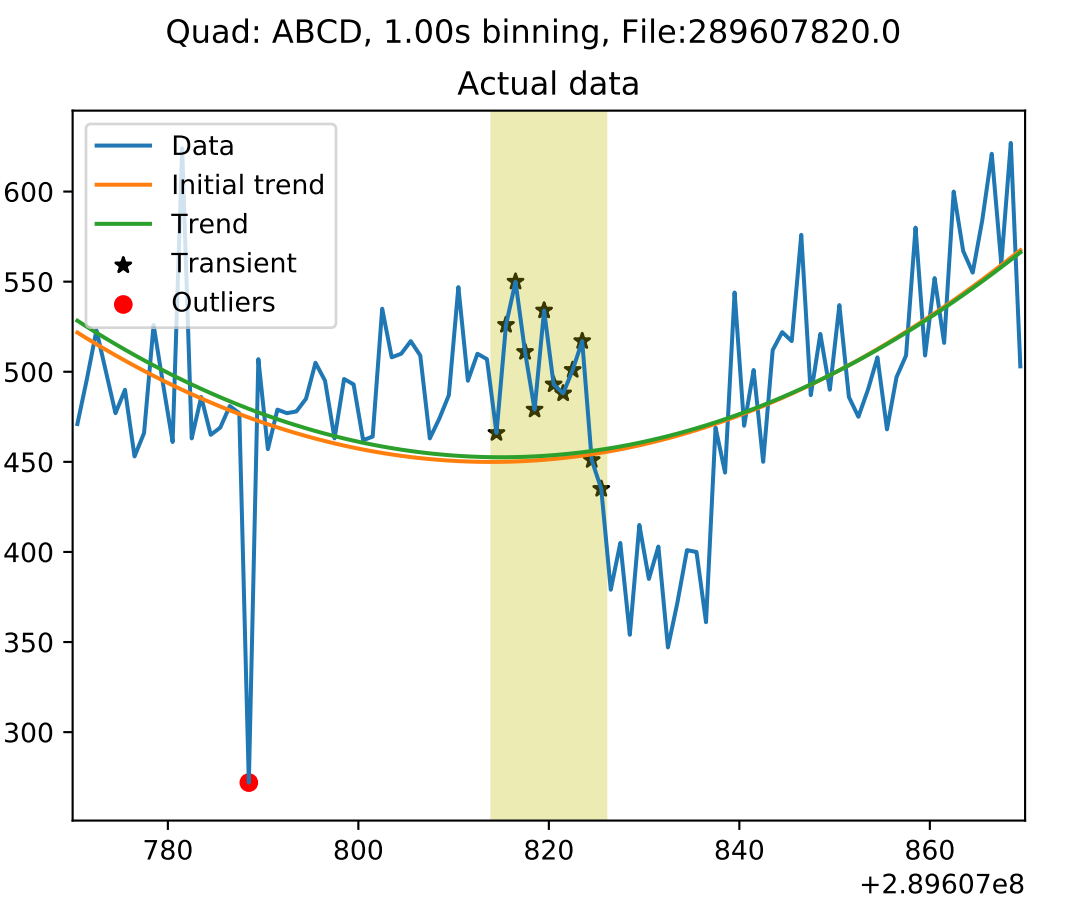

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
200
100
0
780
800
820
840
860
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
40
20
0
−20
780
800
820
840
860
Time (sec)
+2.89607e8

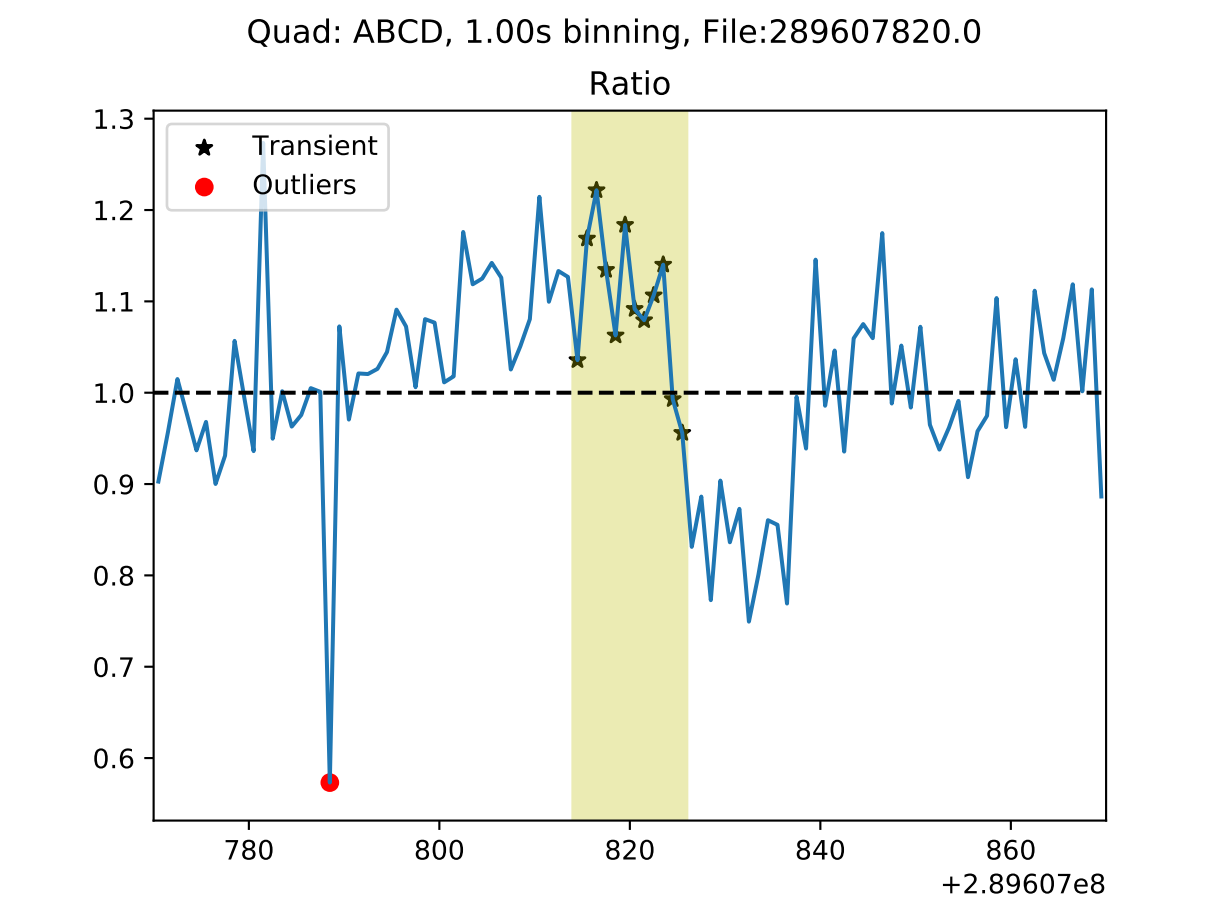

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
2 ×10^2
Counts/keV
Marked times
Marked times
Counts/sec
0
20
bins
+2.89607e8

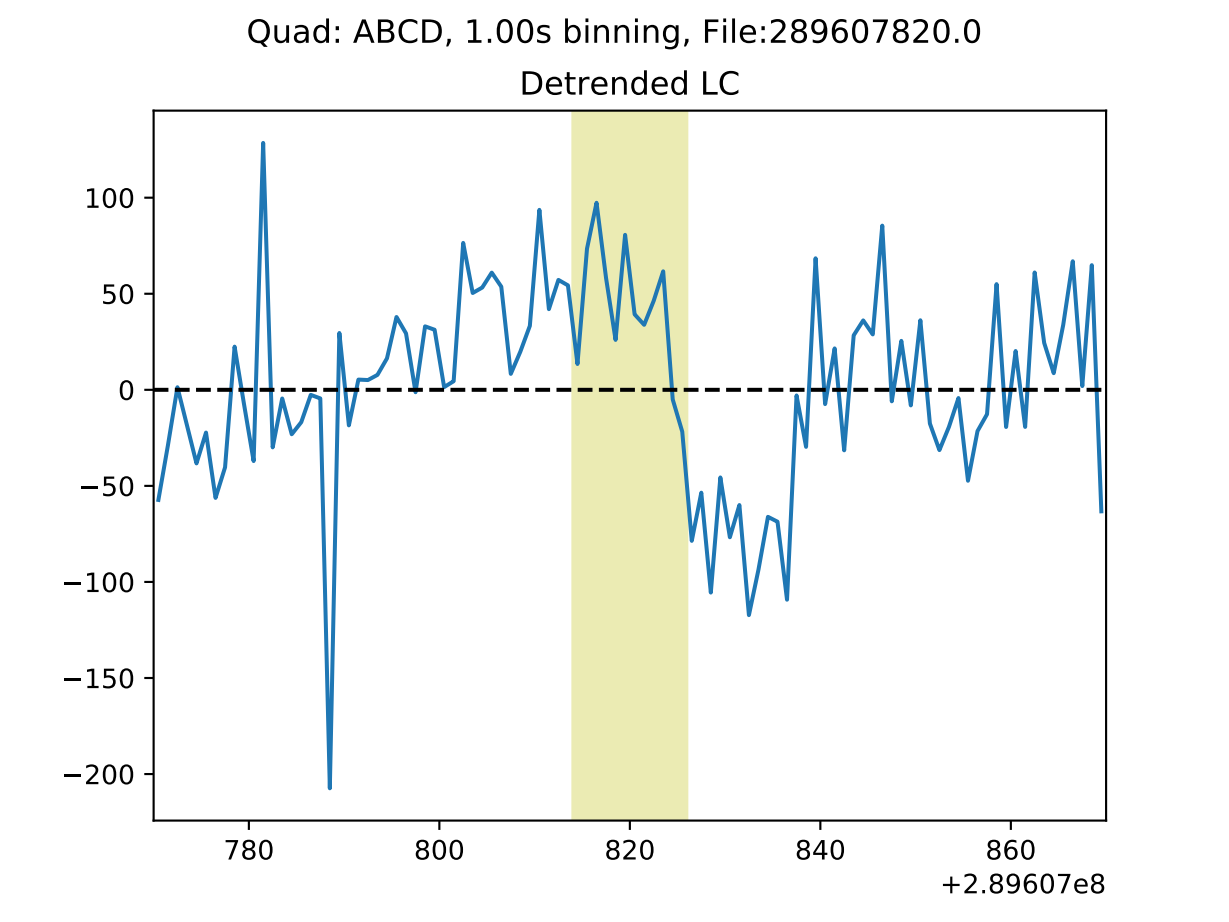

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
−10
0
Excess counts/keV
Excess counts/sec
Marked times
Marked times
100
0
−100
Time (sec)
+2.89607e8
bins
20

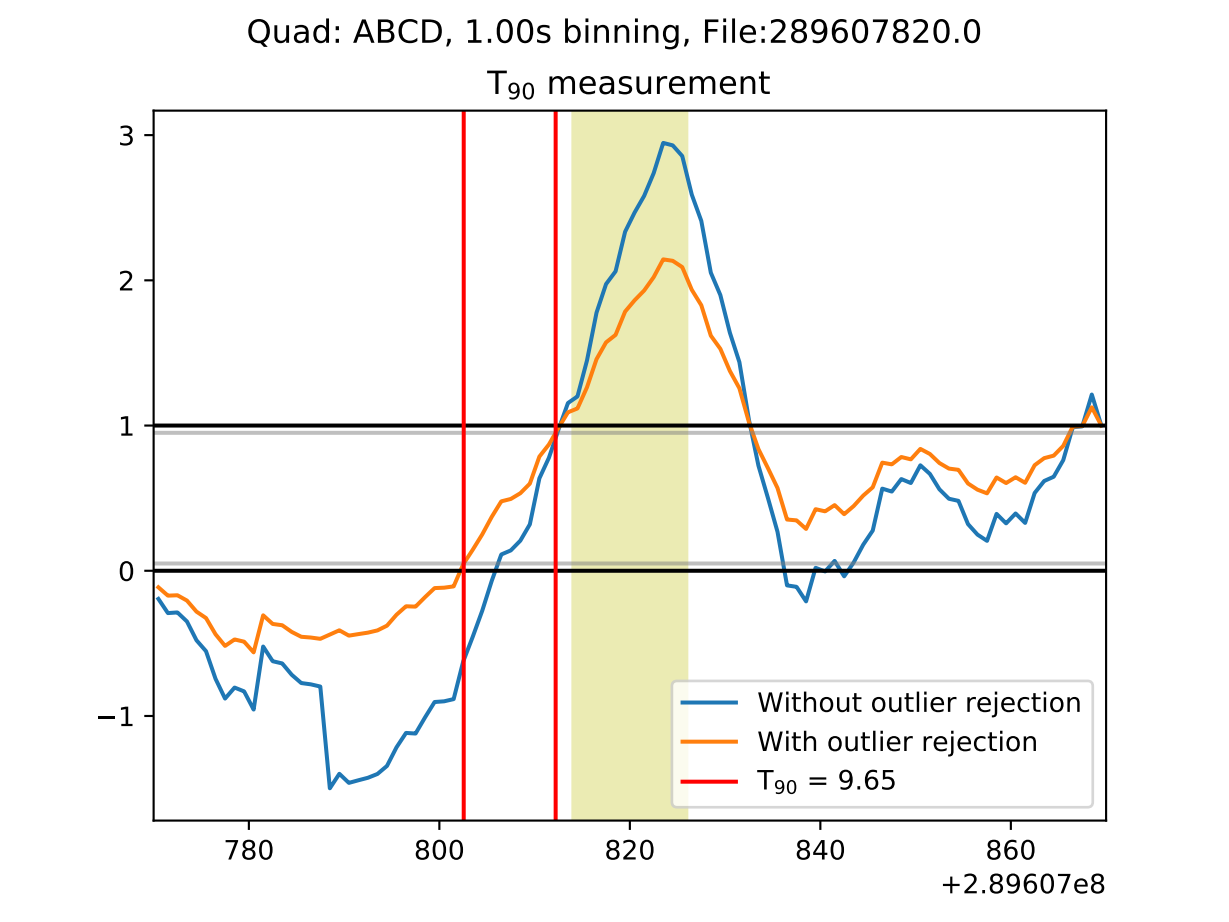

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
780
800
820
840
860
0
5
Strength/keV
Strength/sec
40
20
0
−20
Marked times
Marked times
Time (sec)
+2.89607e8
bins

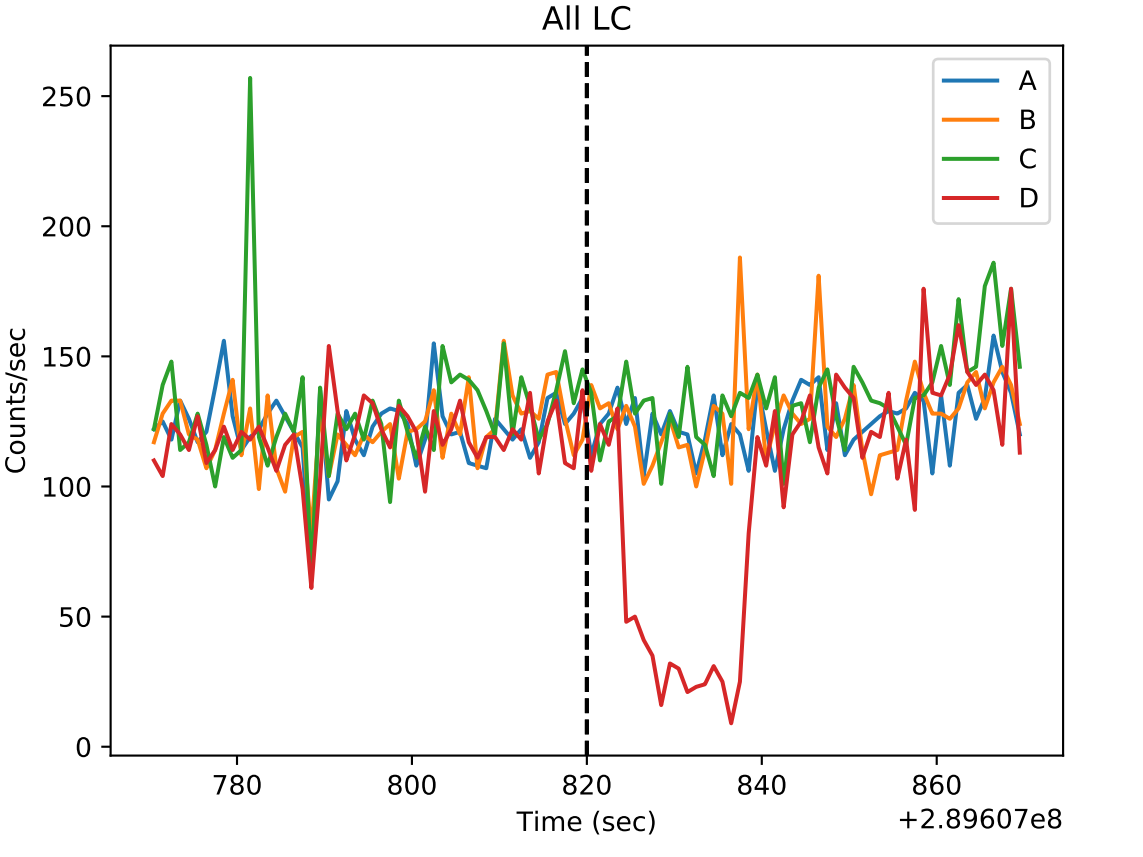

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
−100
780
800
820
840
860
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
25
0
−25
780
800
820
840
860
Time (sec)
+2.89607e8


Quad: ABCD, 1.00s binning, File:289607820.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
600
550
500
450
400
350
300
780
800
820
840
860
+2.89607e8


Quad: ABCD, 1.00s binning, File:289607820.0
Ratio
Transient
Outliers
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
780
800
820
840
860
+2.89607e8


Quad: ABCD, 1.00s binning, File:289607820.0
Detrended LC
100
50
0
−50
−100
−150
−200
780
800
820
840
860
+2.89607e8


Quad: ABCD, 1.00s binning, File:289607820.0
T90 measurement
3
2
1
0
−1
780
800
820
840
860
+2.89607e8
Without outlier rejection
With outlier rejection
T90 = 9.65


All LC
A
B
C
D
250
200
150
100
50
0
Counts/sec
780
800
820
840
860
Time (sec)
+2.89607e8