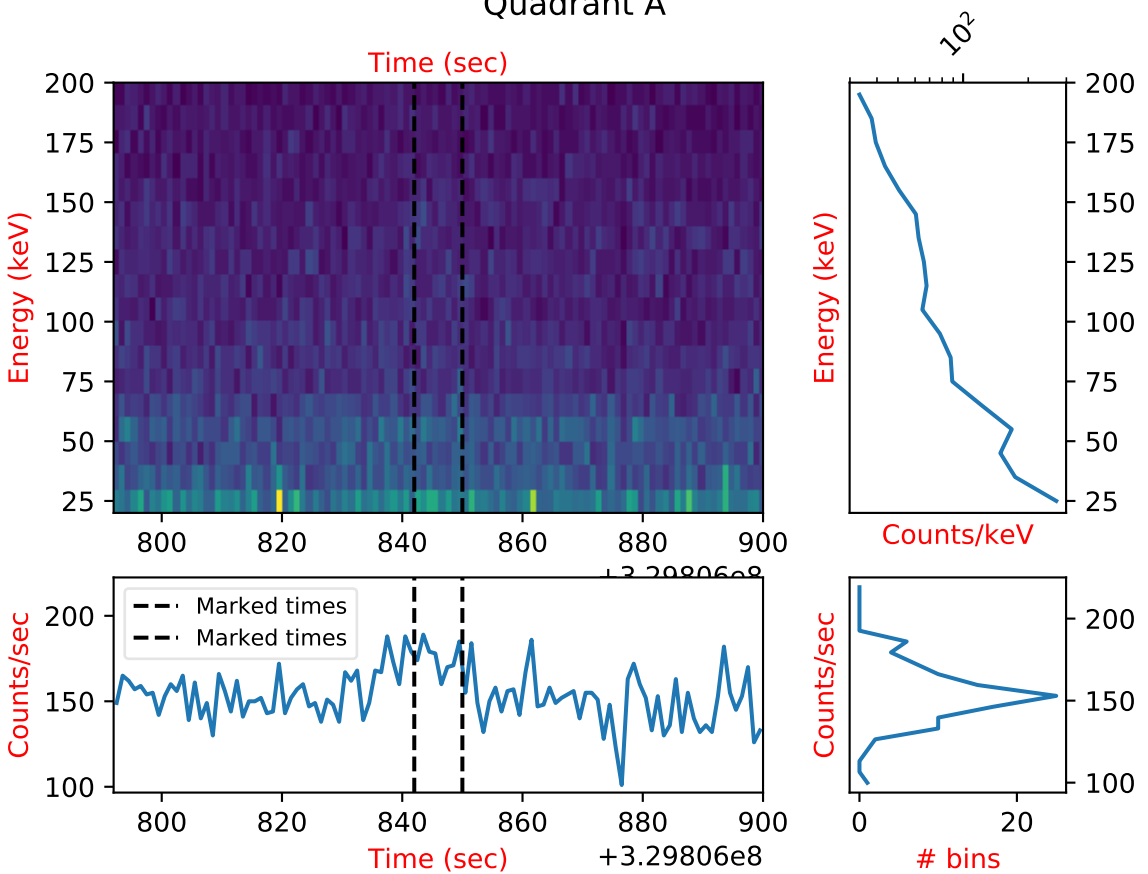
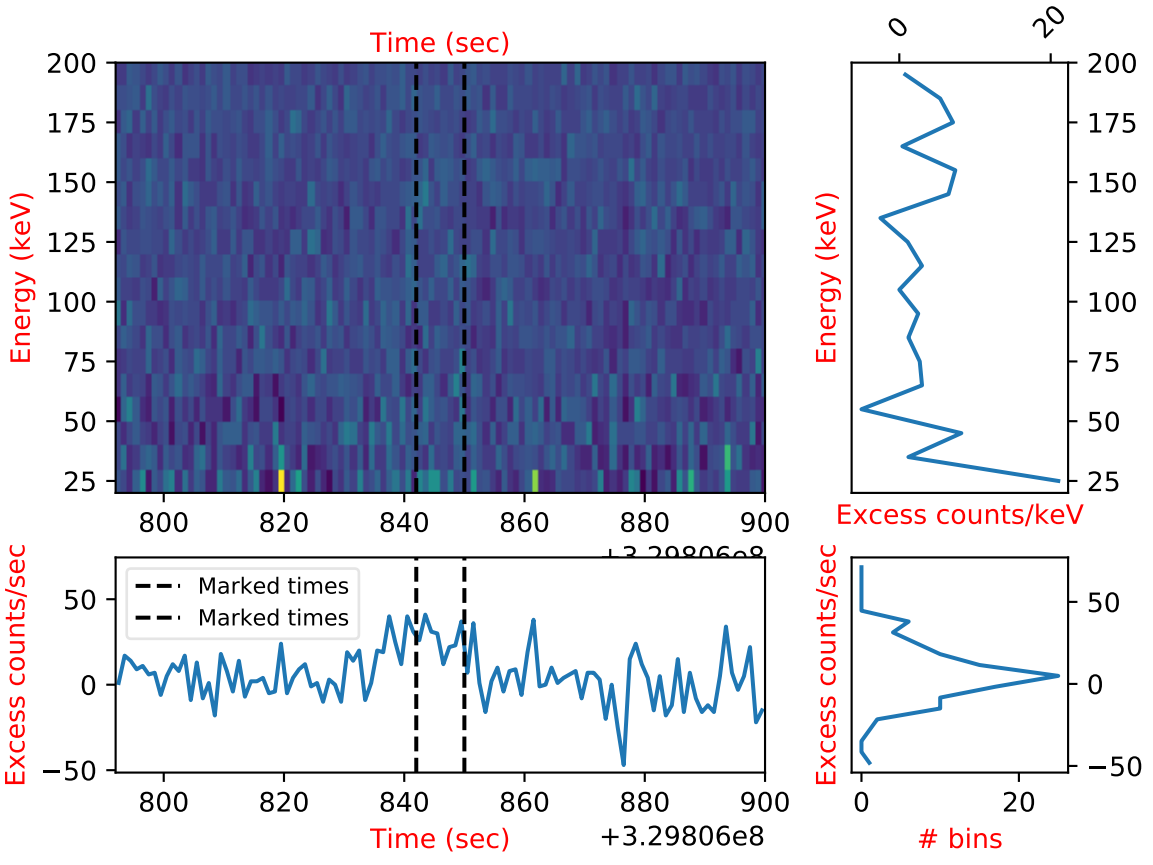
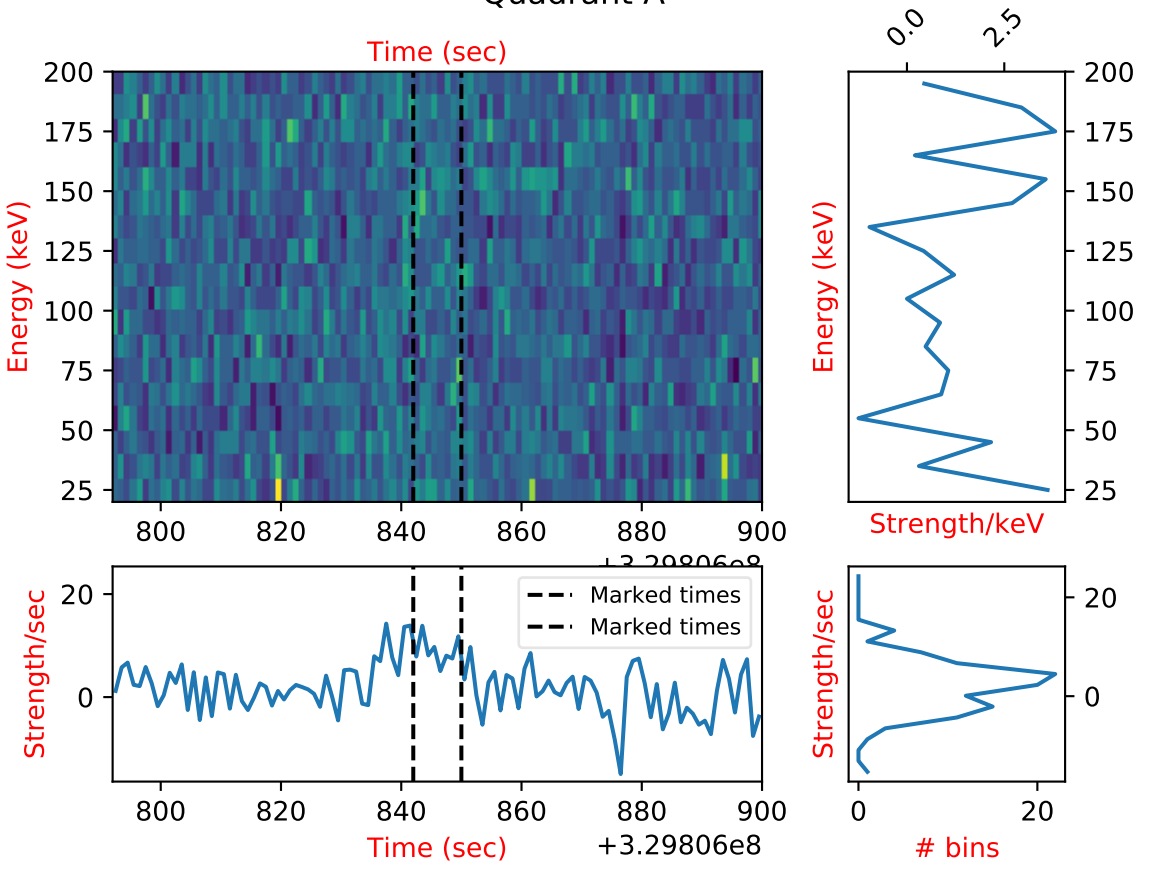
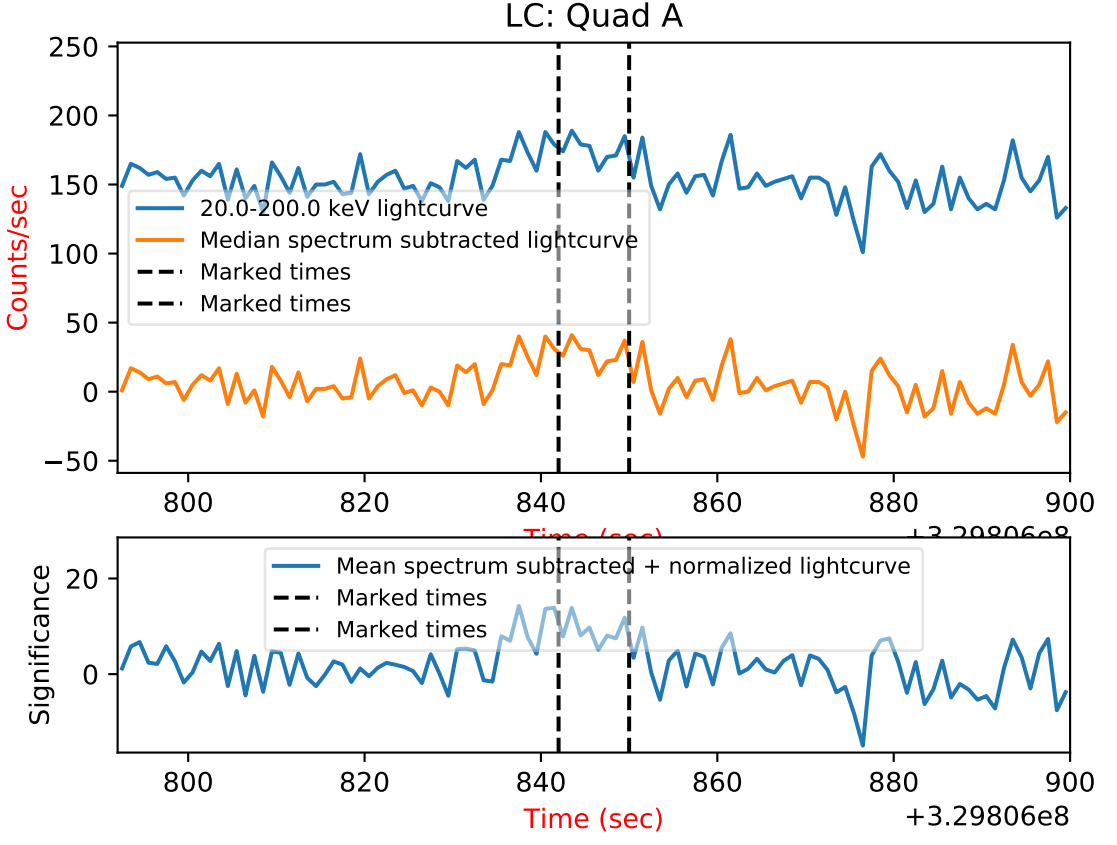
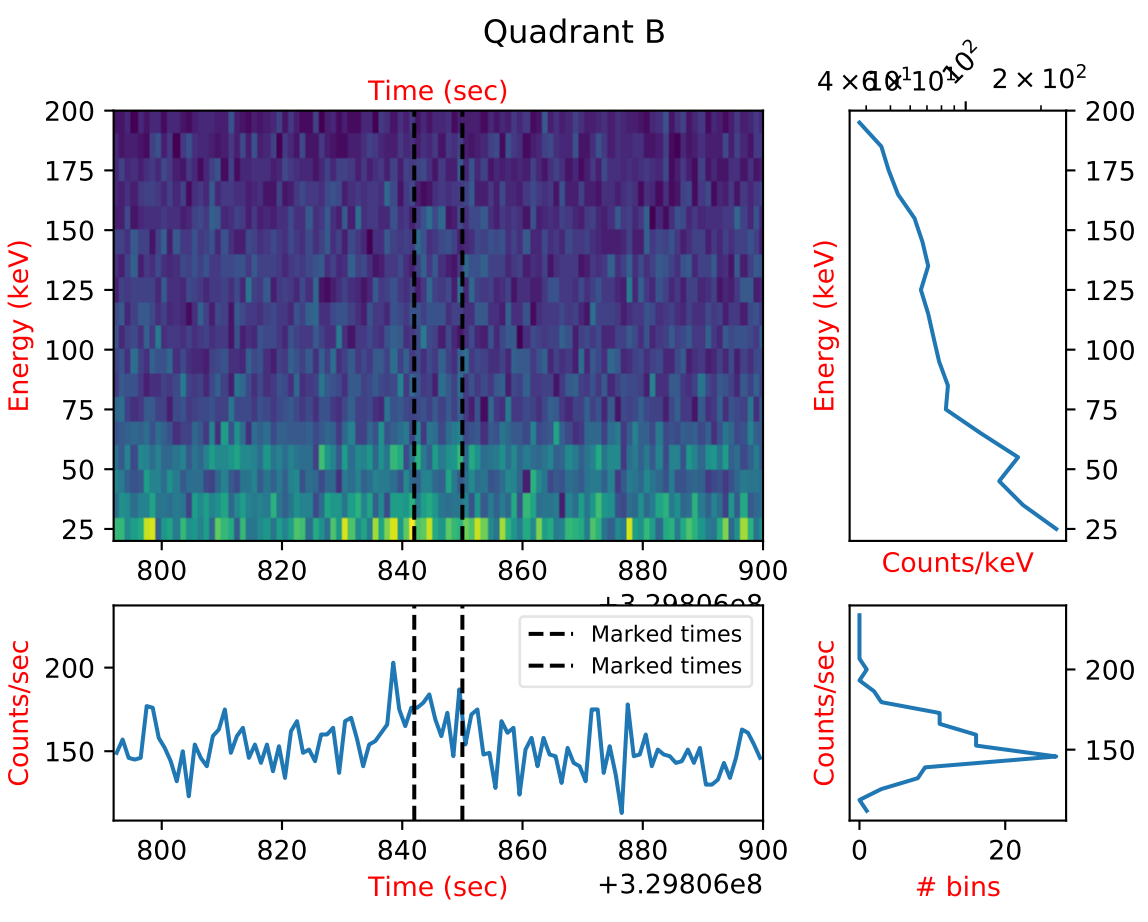
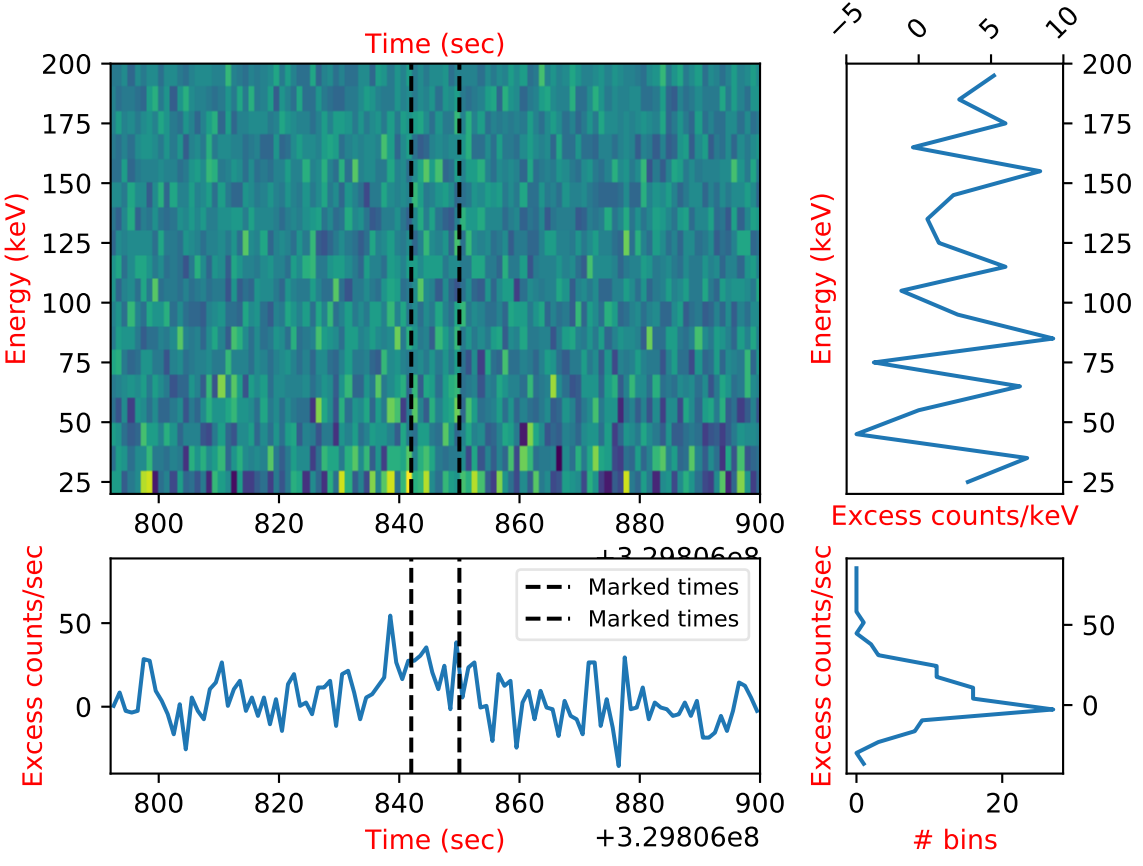

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
800
820
840
860
880
900
10^2
Counts/keV
Marked times
Marked times
Counts/sec
100
150
200
+3.29806e8
0
20
bins

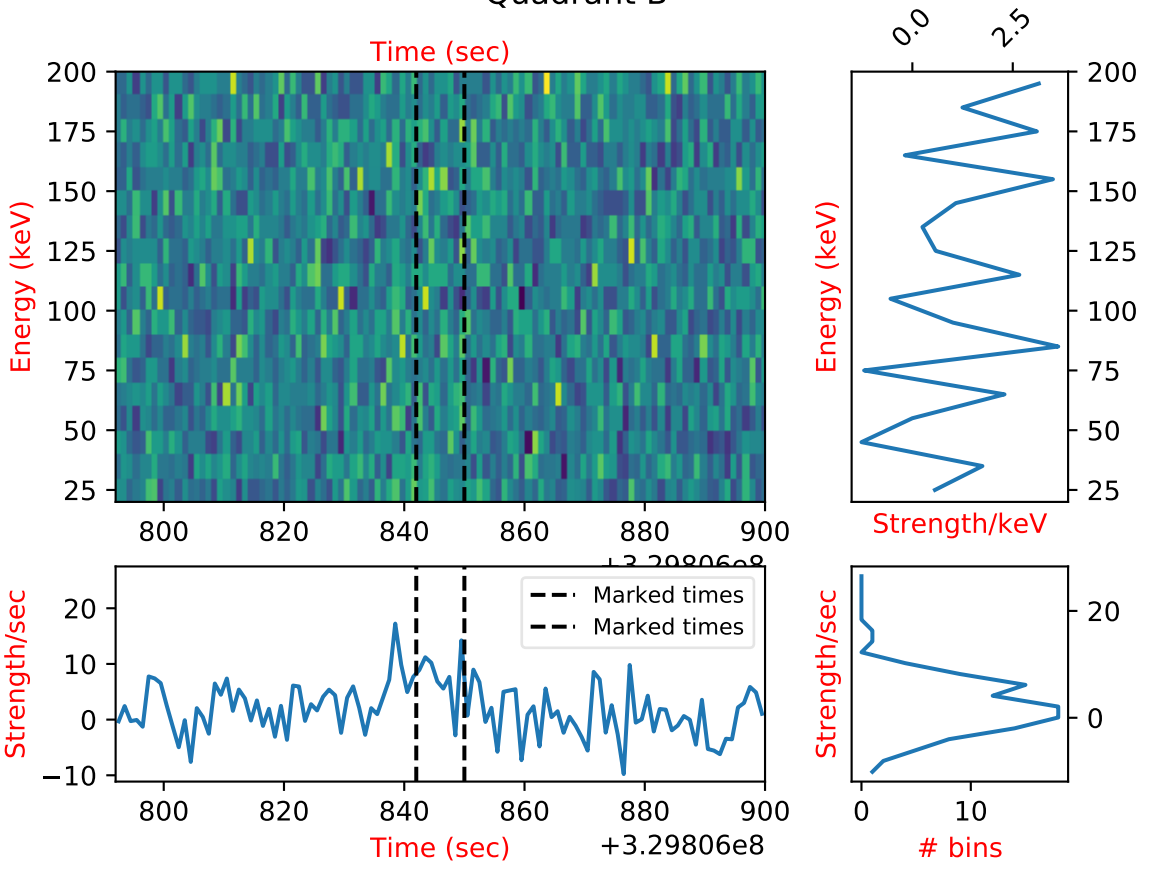

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
800
820
840
860
880
900
+3.29806e8
0
20
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
−50
bins

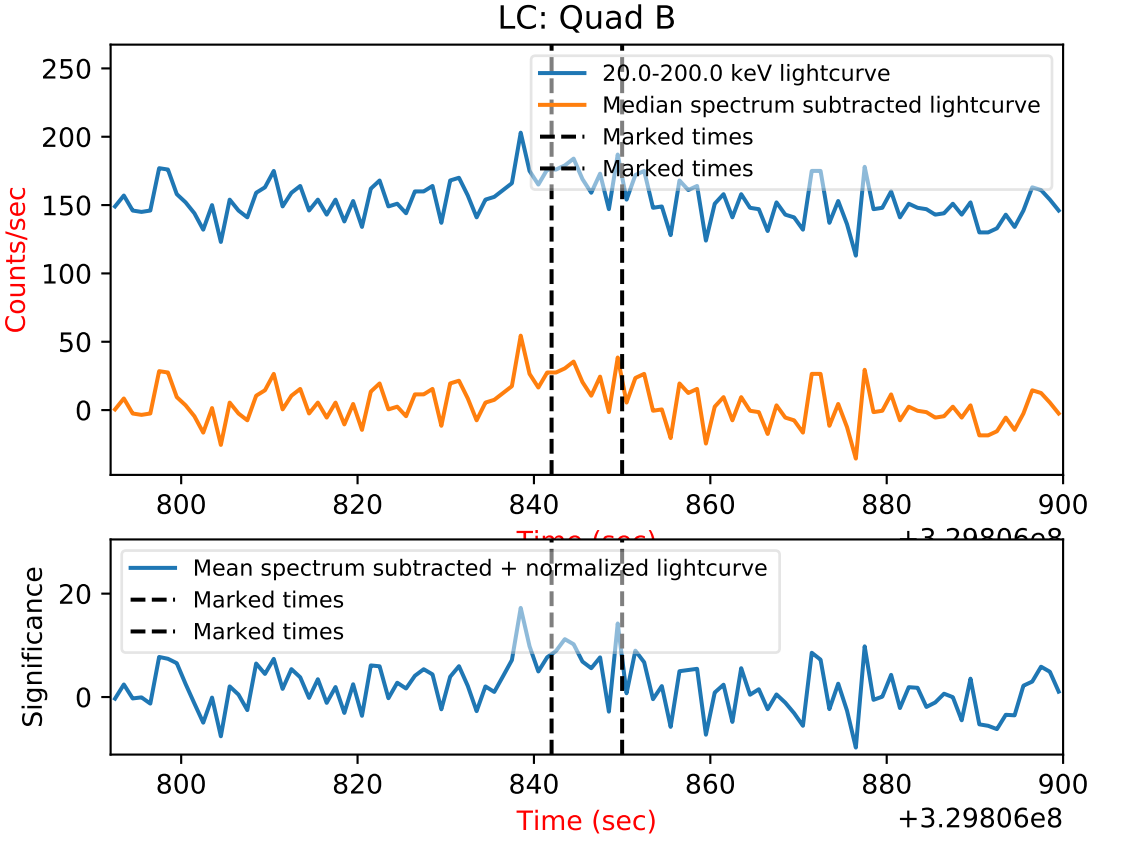

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
800
820
840
860
880
900
0.0
2.5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
+3.29806e8
bins

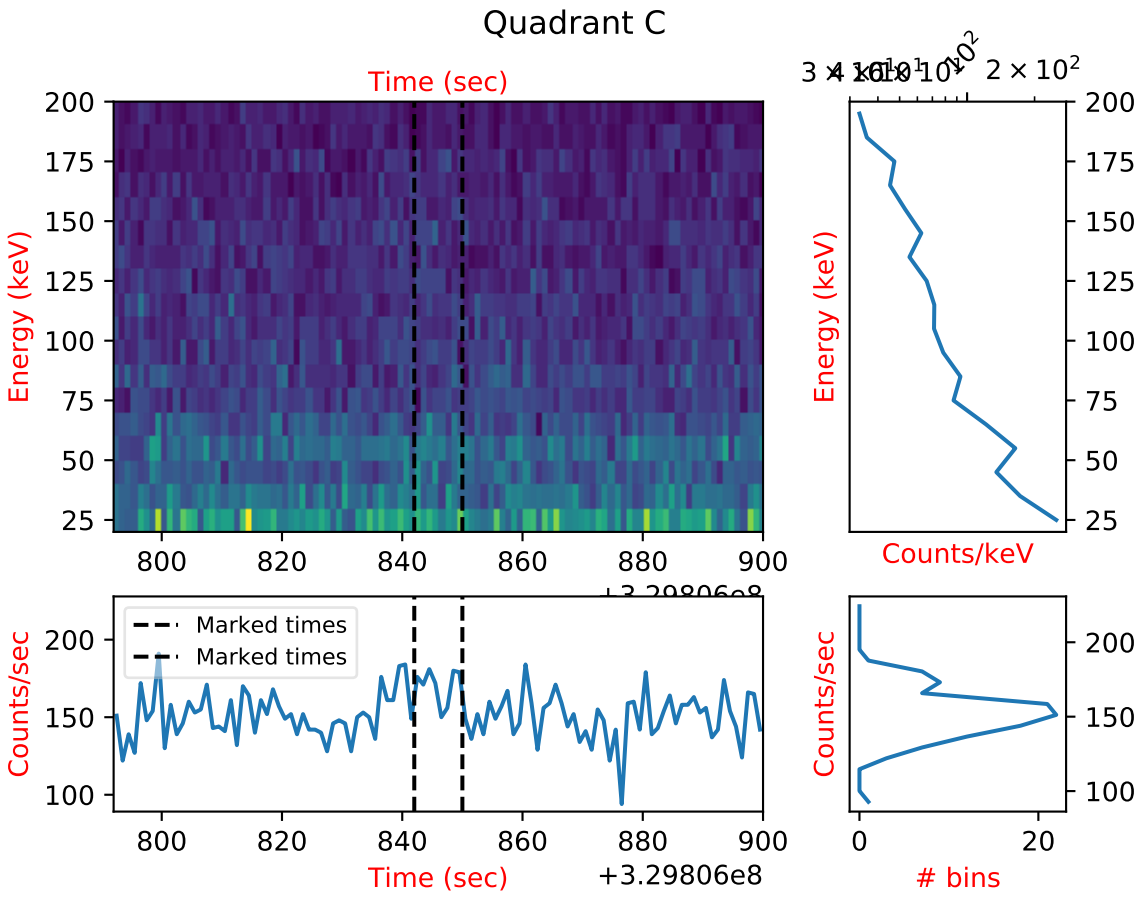

LC: Quad A
Counts/sec
250
200
150
100
50
0
−50
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
800
820
840
860
880
900
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+3.29806e8

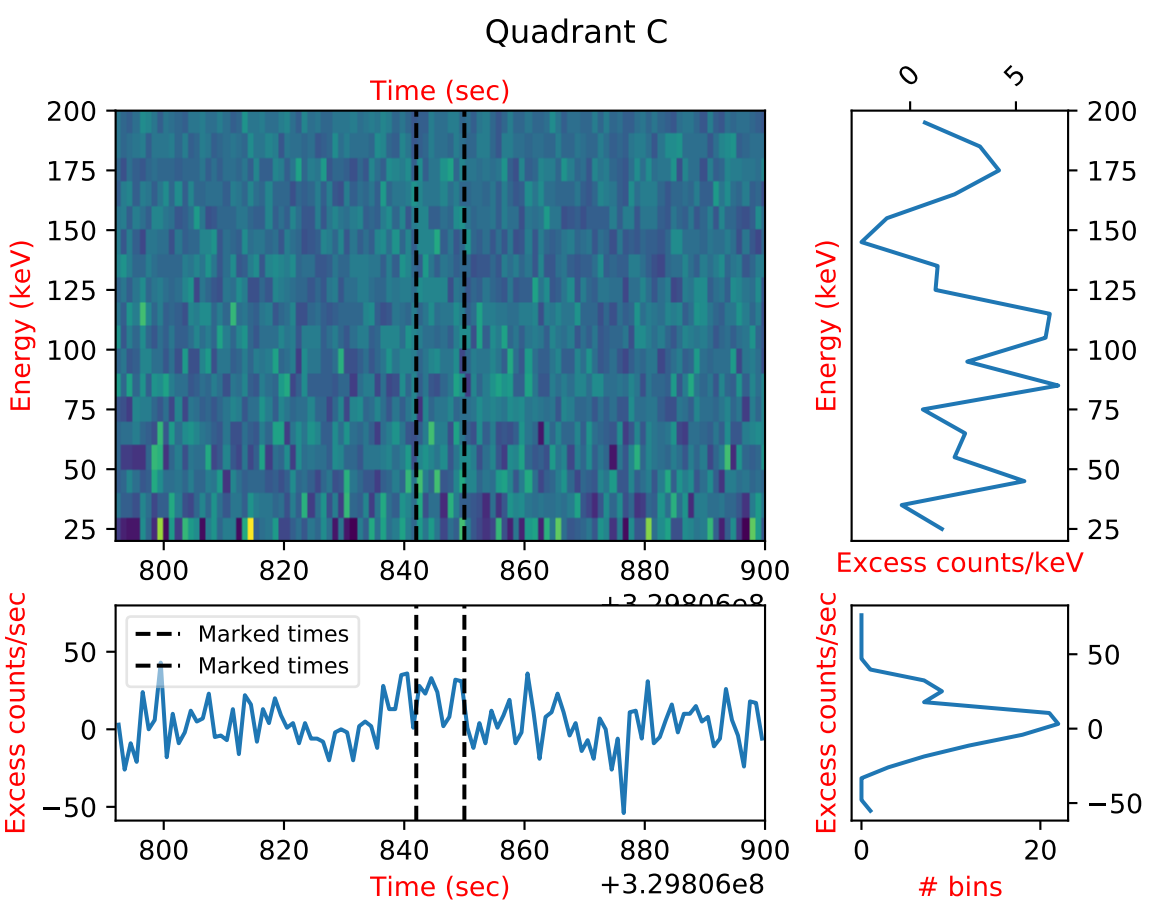

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
800
820
840
860
880
900
+3.29806e8
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+3.29806e8
bins
0
20

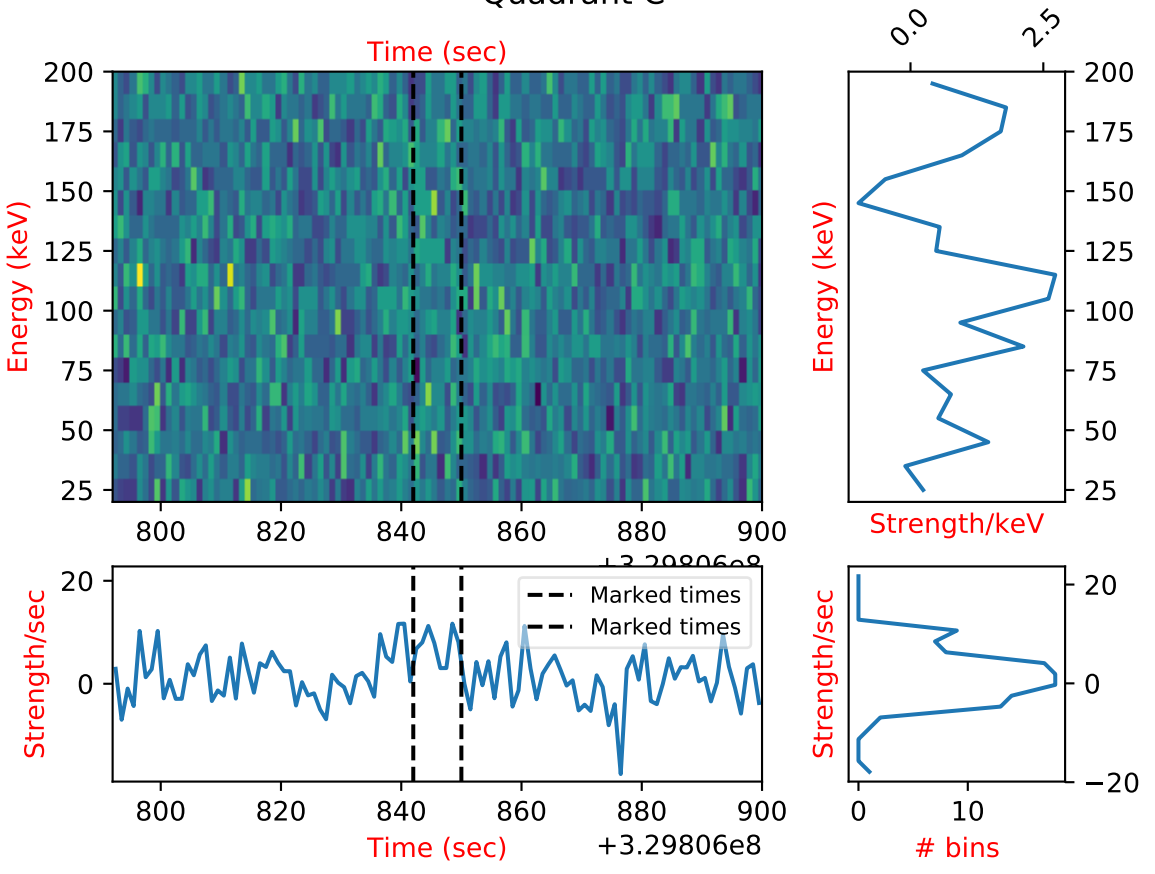

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
800
820
840
860
880
900
−5
0
5
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
+3.29806e8
bins
20

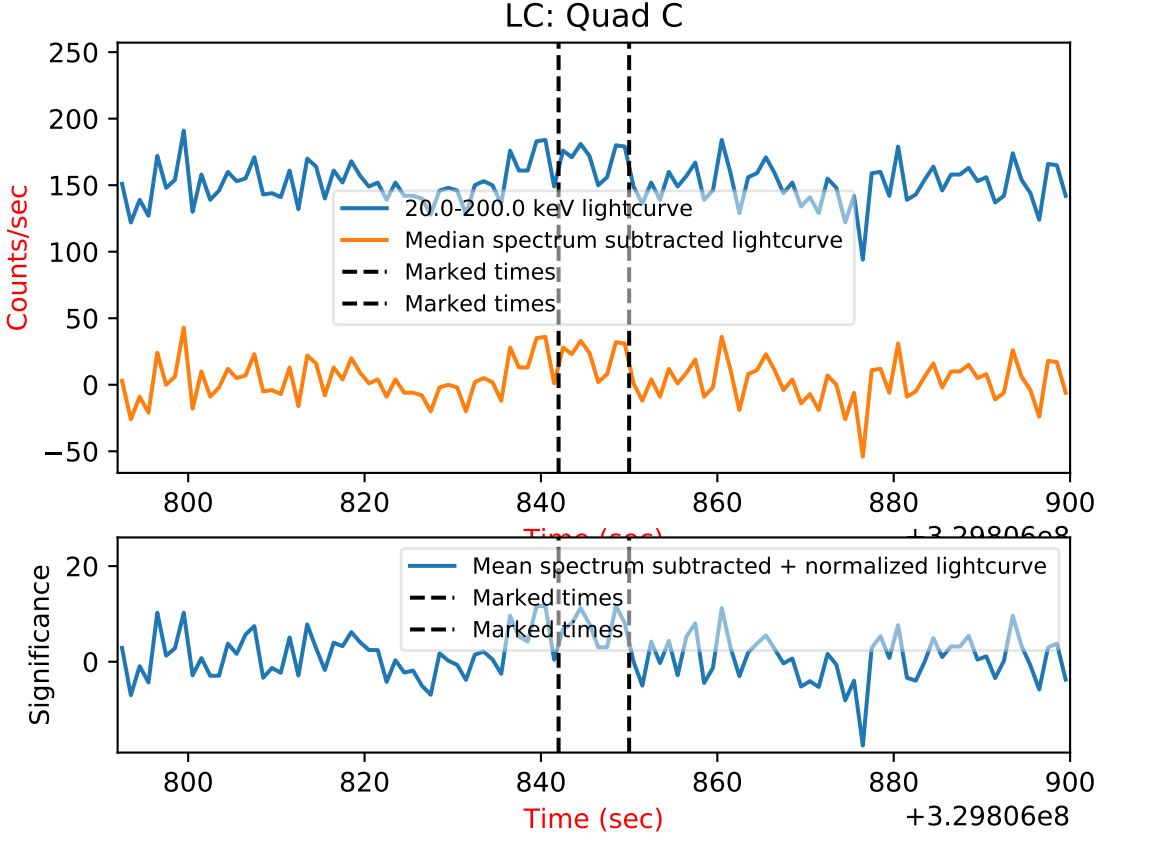

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
800
820
840
860
880
900
+3.29806e8
0.0
2.5
Strength/keV
Strength/sec
20
10
0
−10
Marked times
Marked times
bins

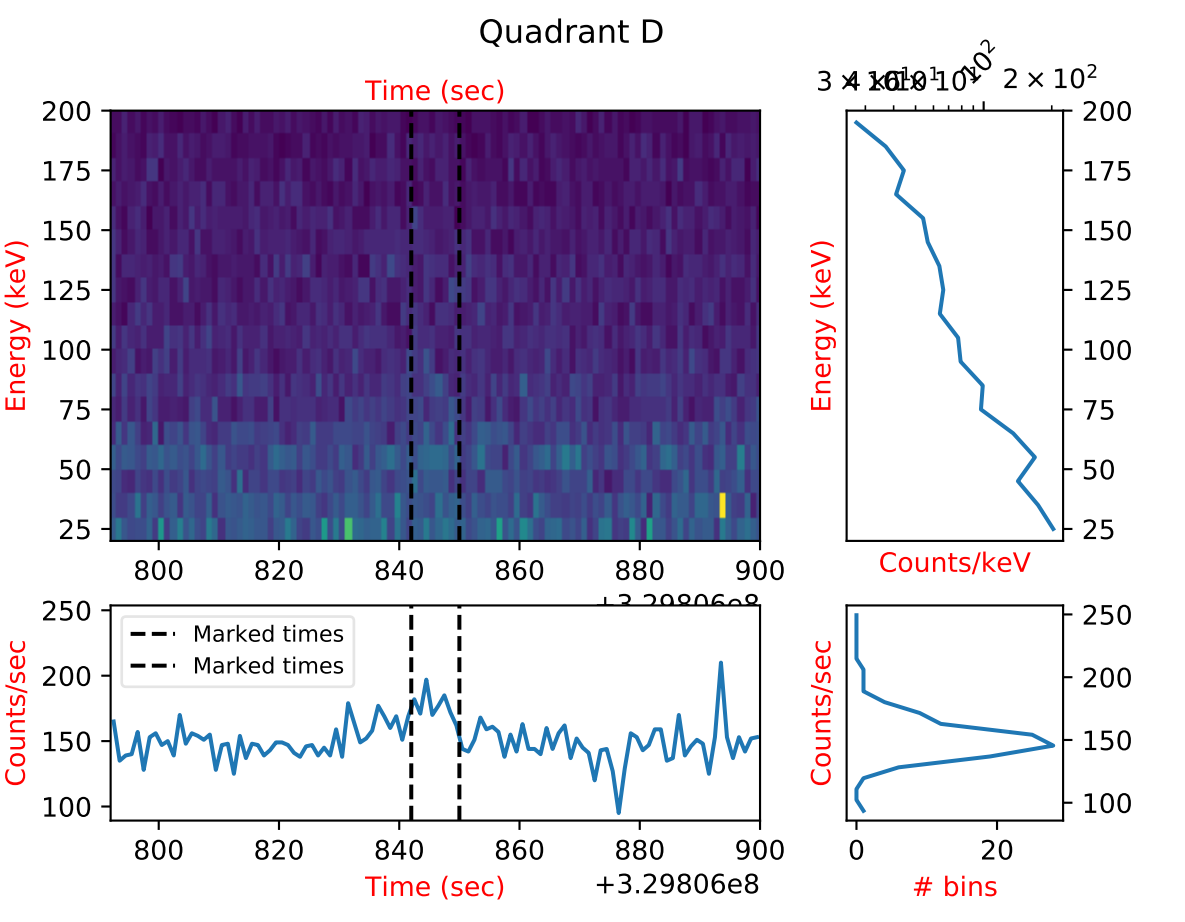

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
800
820
840
860
880
900
+3.29806e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)

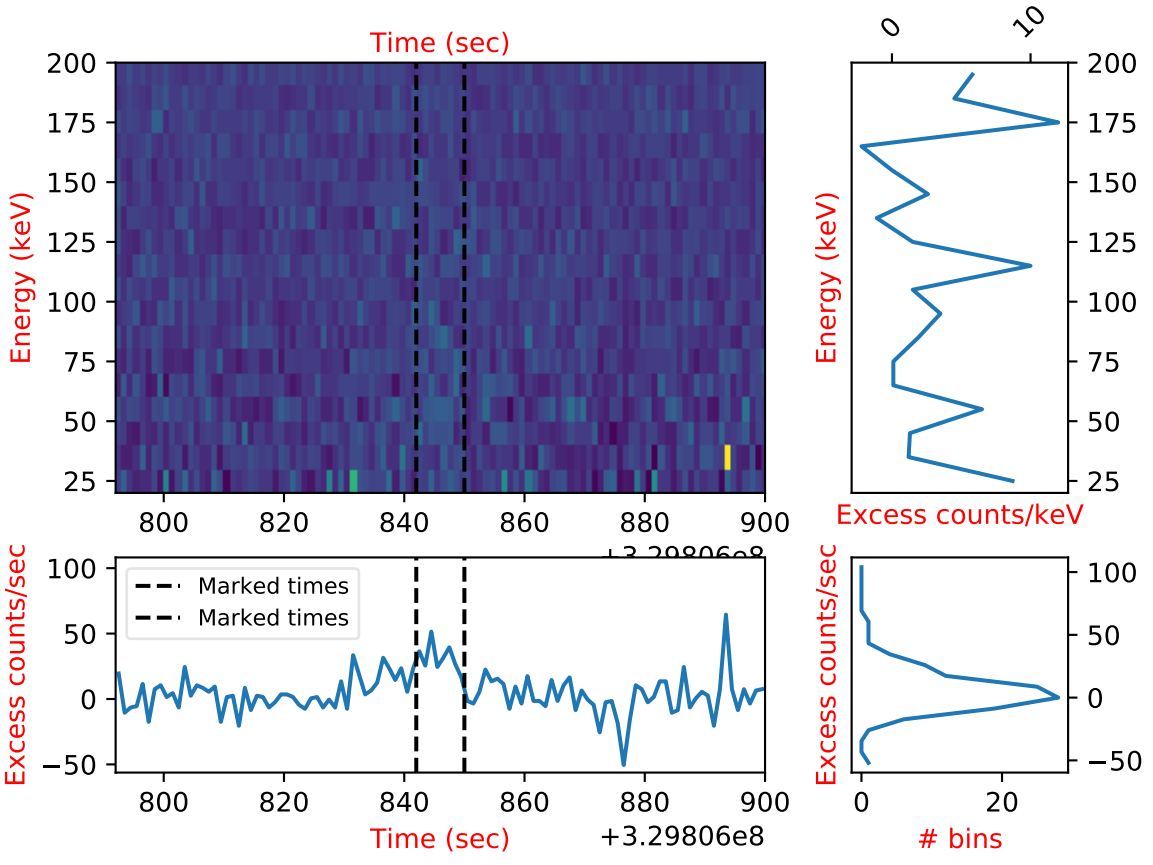

Quadrant C
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
bins
Marked times
Marked times
+3.29806e8

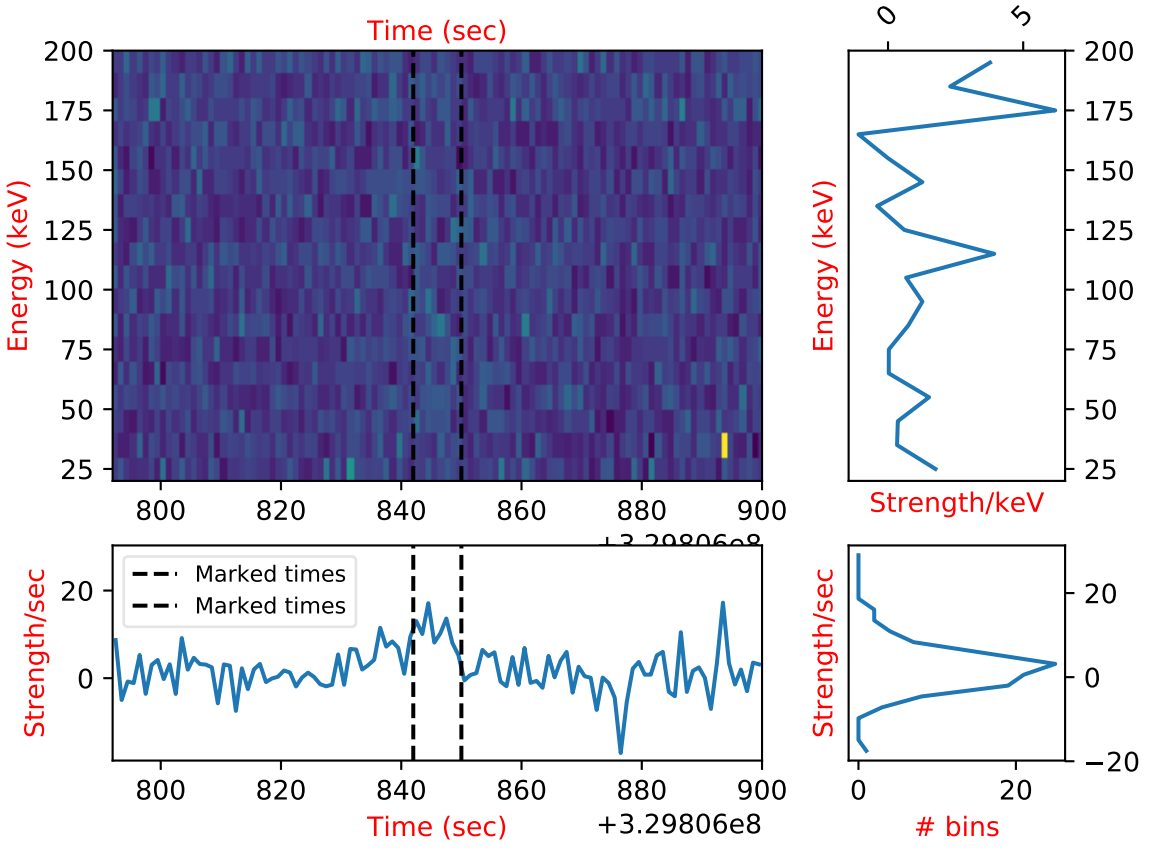

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
800
820
840
860
880
900
0
5
Excess counts/keV
Marked times
Marked times
Excess counts/sec
50
0
−50
+3.29806e8
bins
20

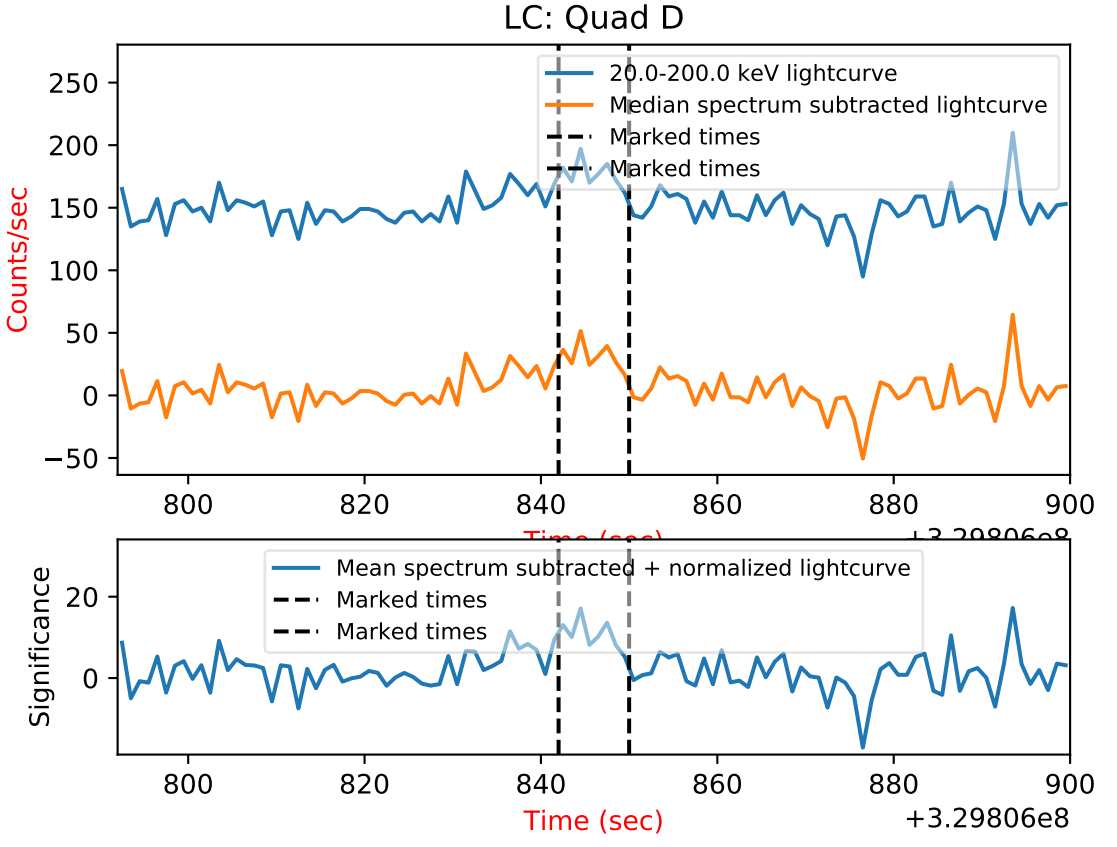

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
800
820
840
860
880
900
0.0
2.5
Strength/keV
Strength/sec
20
0
−20
Marked times
Marked times
+3.29806e8
10
bins

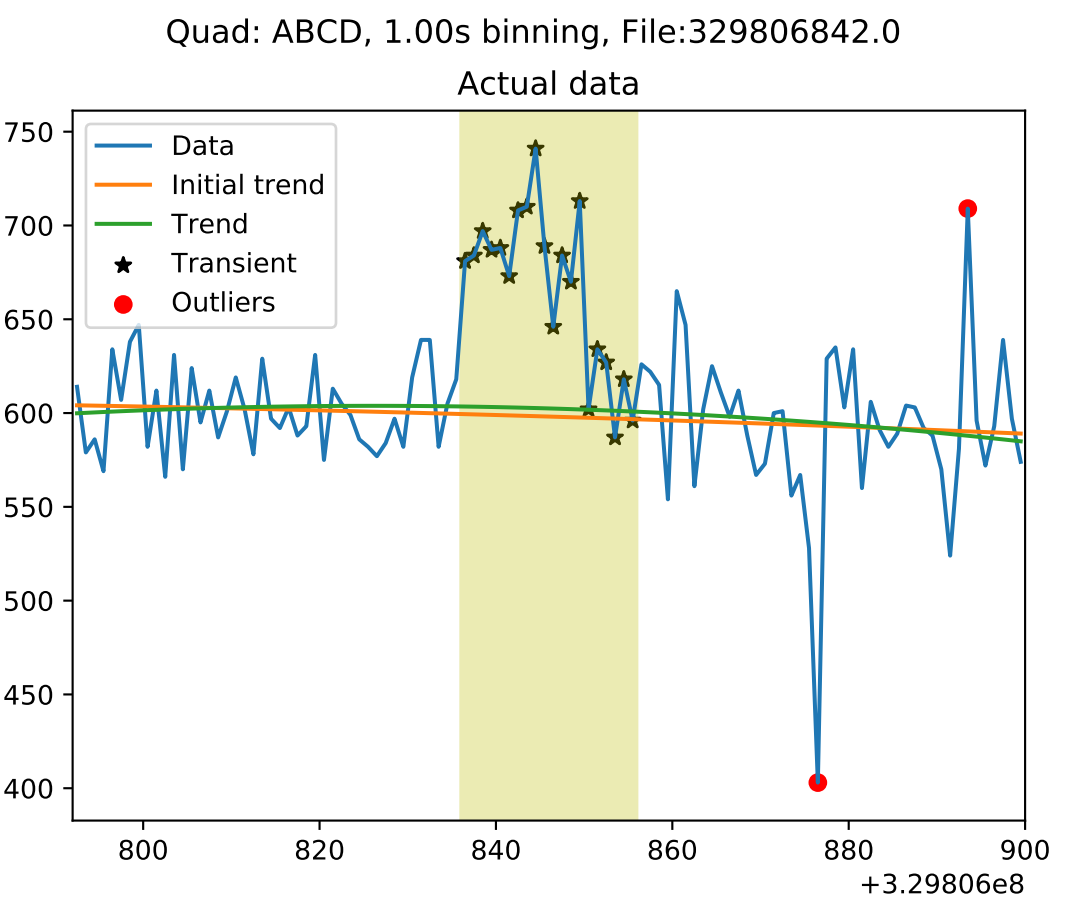

LC: Quad C
Counts/sec
250
200
150
100
50
0
−50
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
800
820
840
860
880
900
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+3.29806e8

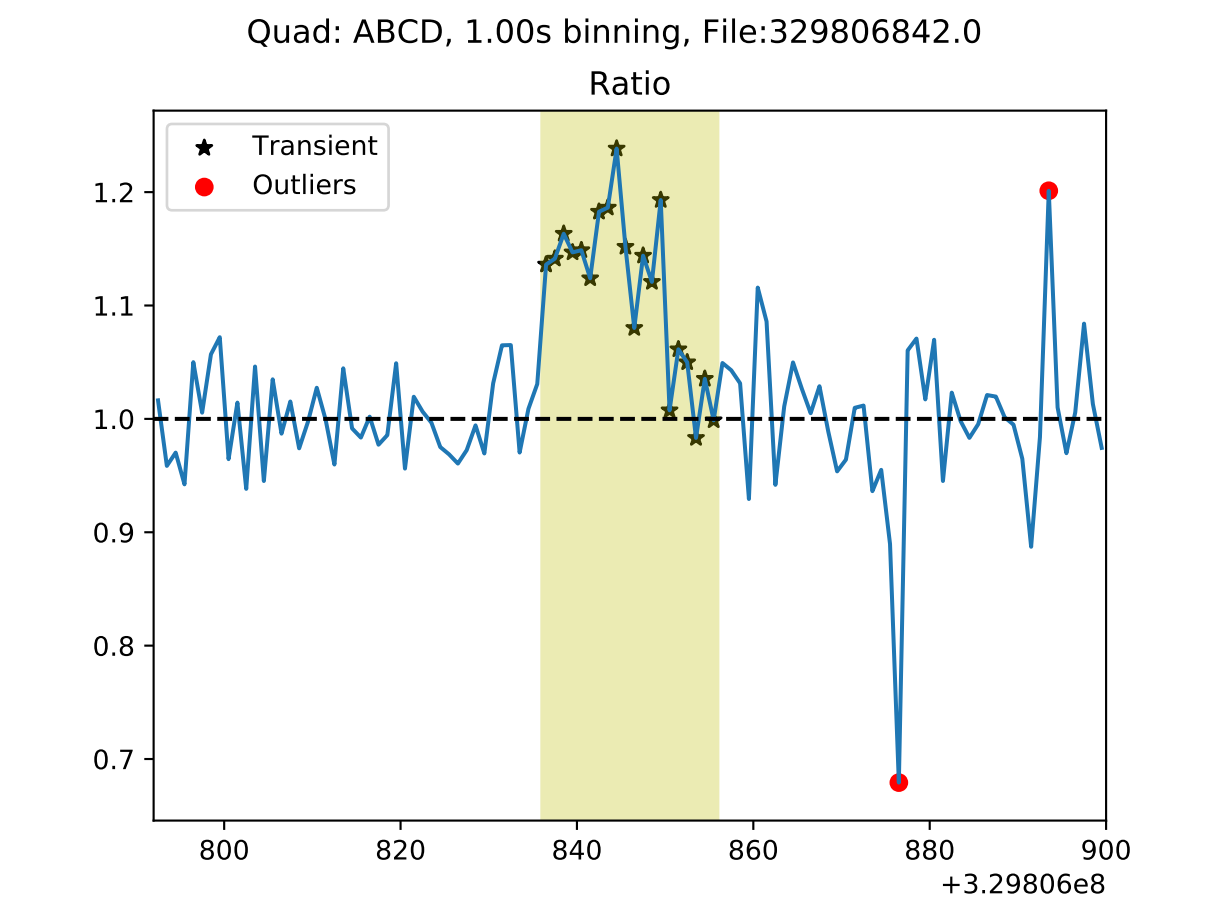

Quadrant D
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+3.29806e8
bins

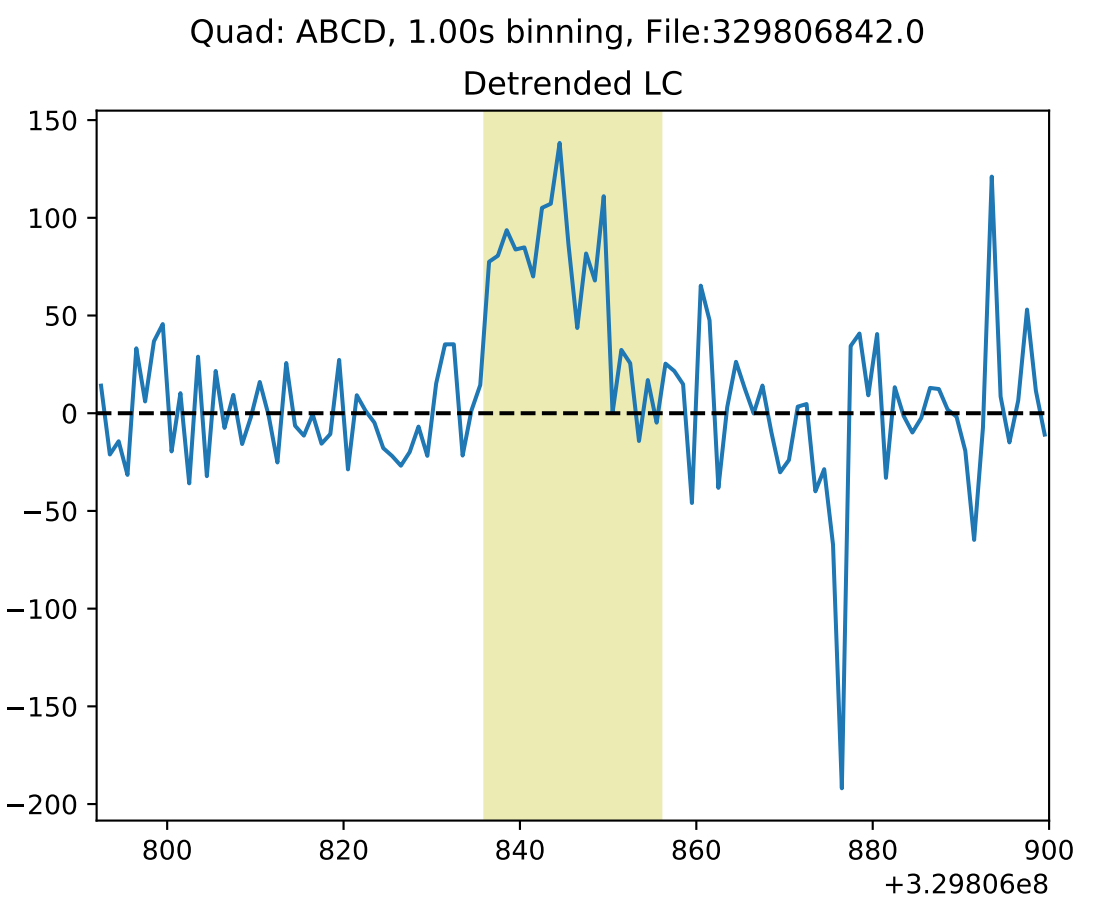

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
800
820
840
860
880
900
0
10
Excess counts/keV
Excess counts/sec
100
50
0
−50
Marked times
Marked times
+3.29806e8
bins
20

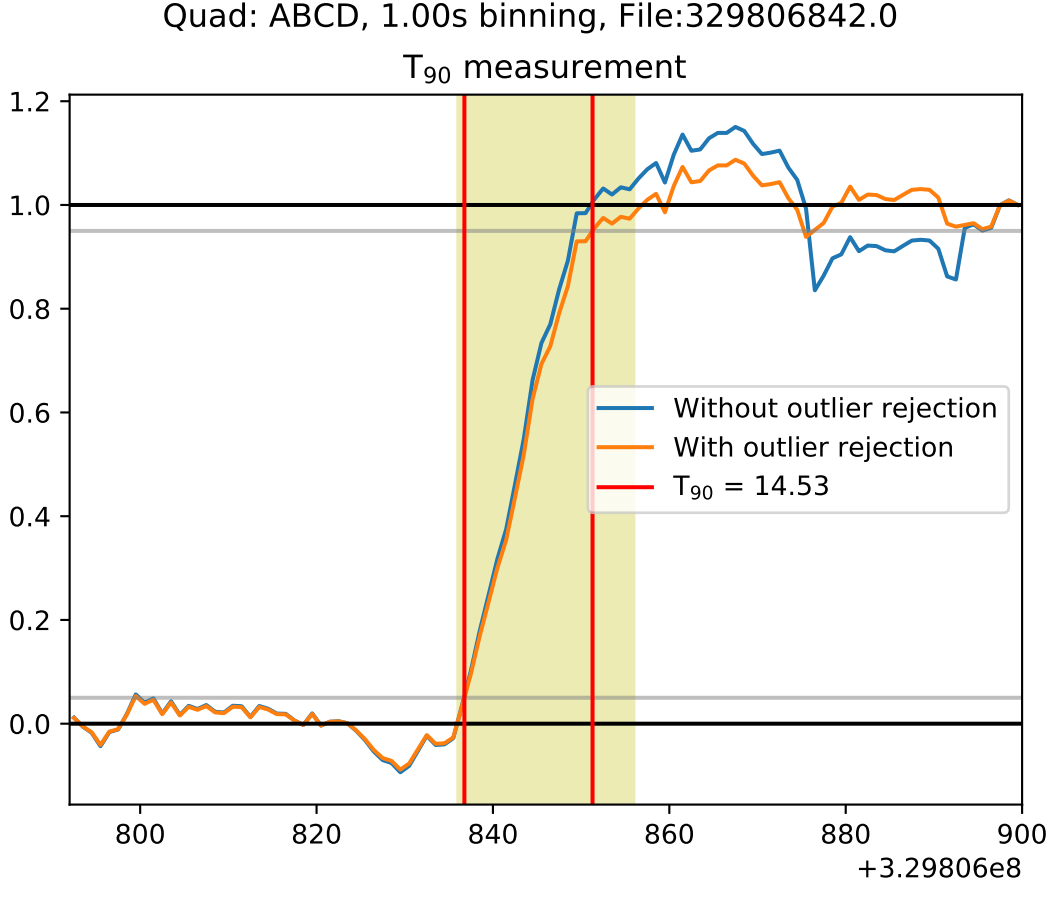

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
800
820
840
860
880
900
+3.29806e8
0
5
Strength/keV
Strength/sec
Marked times
Marked times
20
0
−20
bins

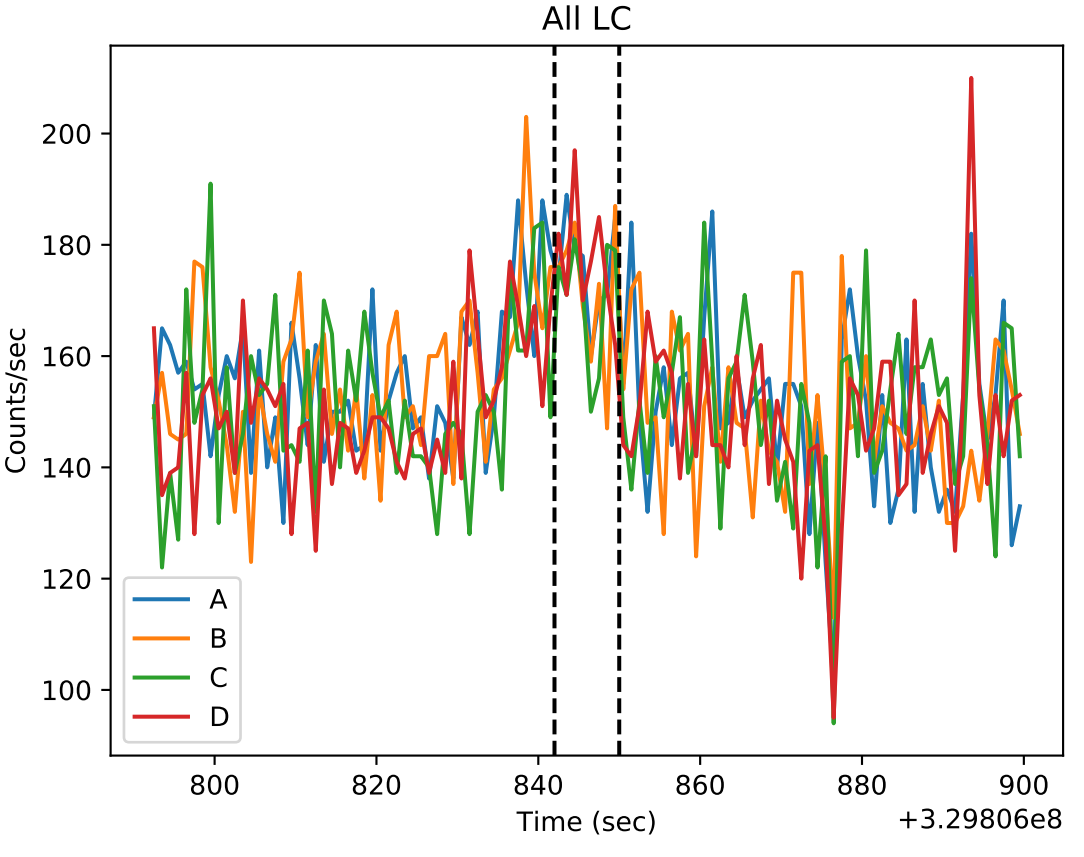

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
800
820
840
860
880
900
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+3.29806e8


Quad: ABCD, 1.00s binning, File:329806842.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
750
700
650
600
550
500
450
400
800
820
840
860
880
900
+3.29806e8


Quad: ABCD, 1.00s binning, File:329806842.0
Ratio
Transient
Outliers
1.2
1.1
1.0
0.9
0.8
0.7
800
820
840
860
880
900
+3.29806e8


Quad: ABCD, 1.00s binning, File:329806842.0
Detrended LC
150
100
50
0
−50
−100
−150
−200
800
820
840
860
880
900
+3.29806e8


Quad: ABCD, 1.00s binning, File:329806842.0
T90 measurement
1.2
1.0
0.8
0.6
0.4
0.2
0.0
800
820
840
860
880
900
+3.29806e8
Without outlier rejection
With outlier rejection
T90 = 14.53


All LC
Counts/sec
200
180
160
140
120
100
800
820
840
860
880
900
Time (sec)
+3.29806e8
A
B
C
D