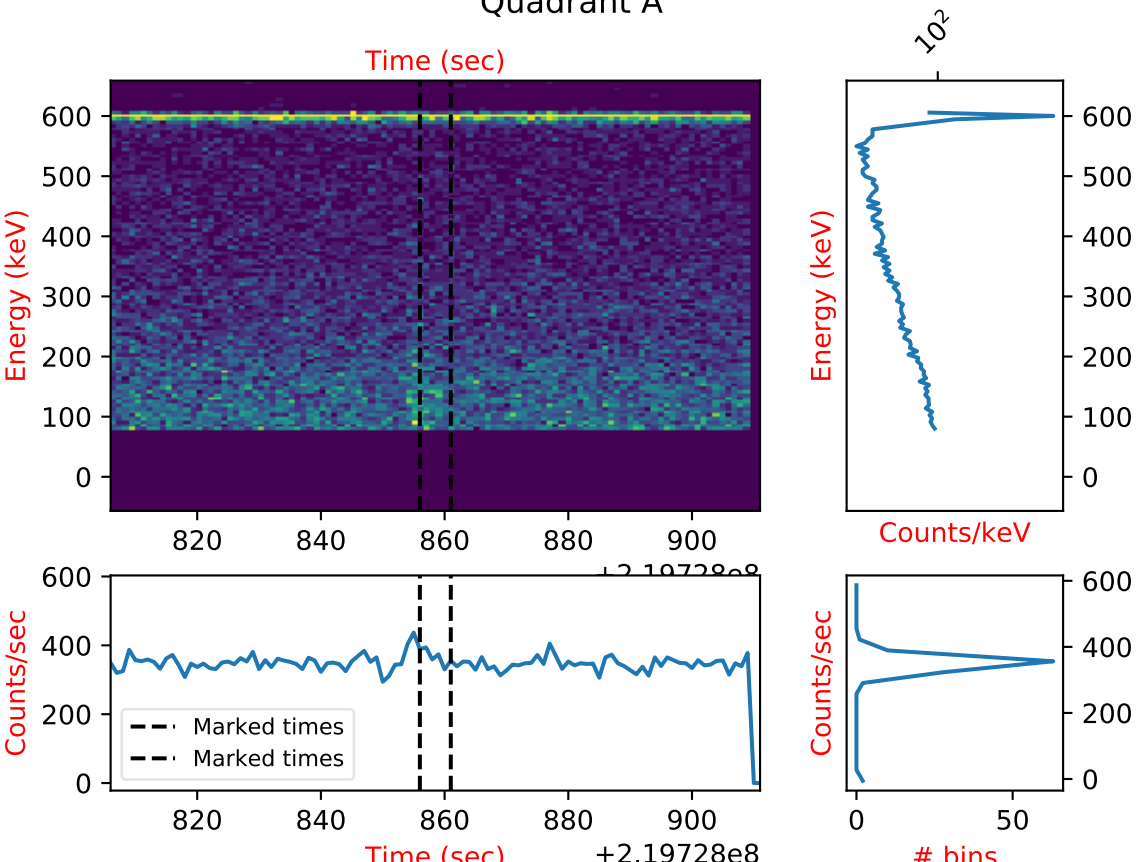
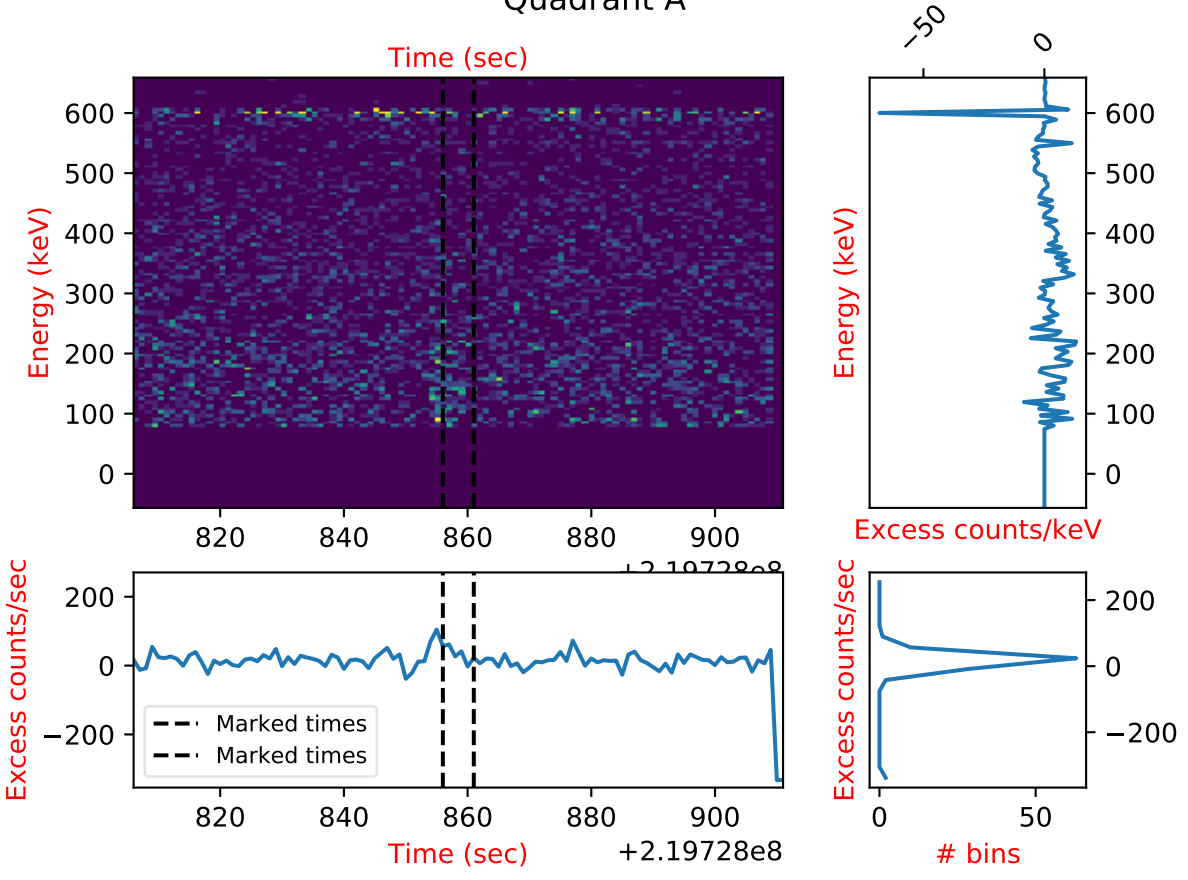
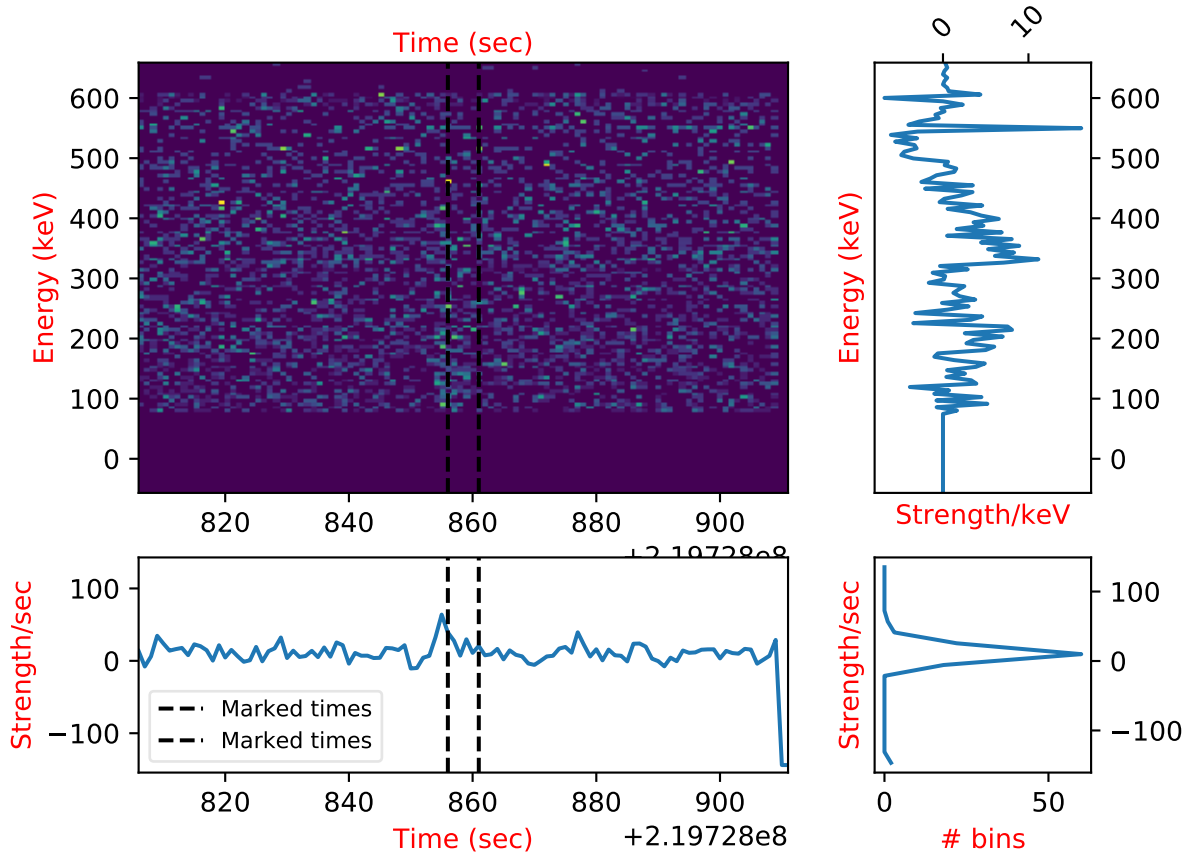
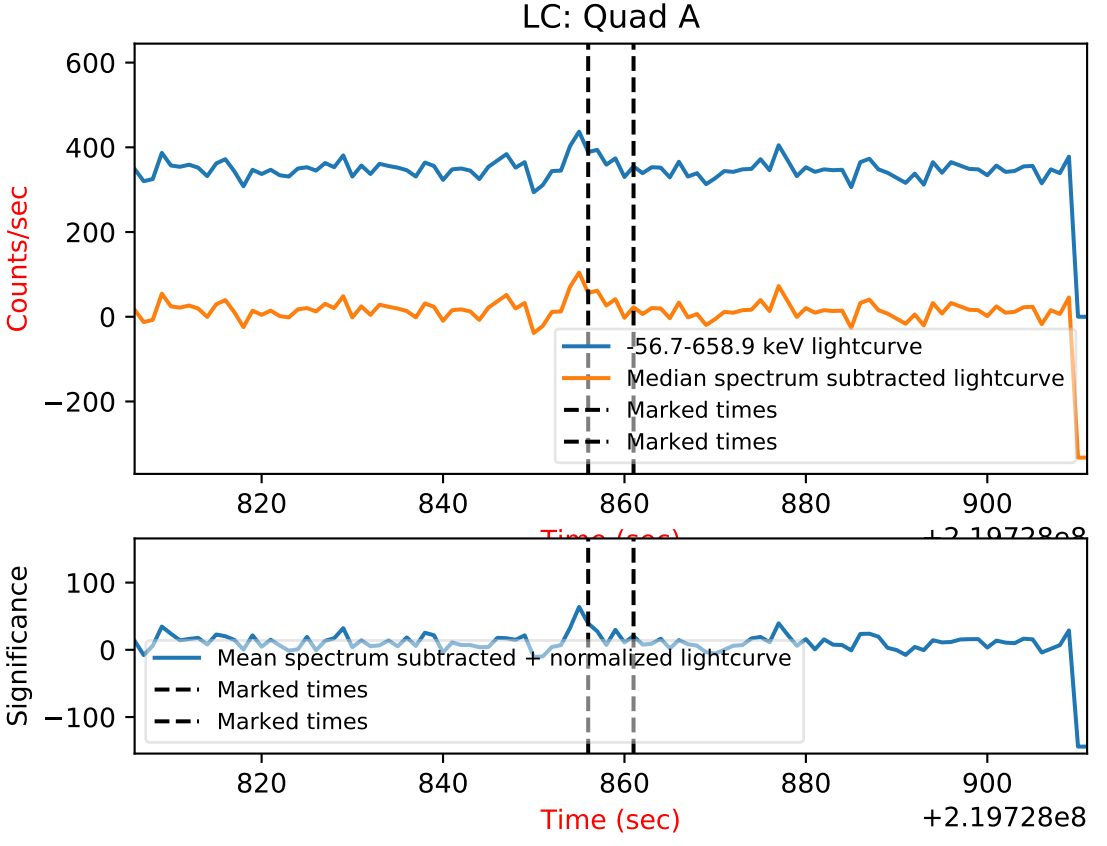
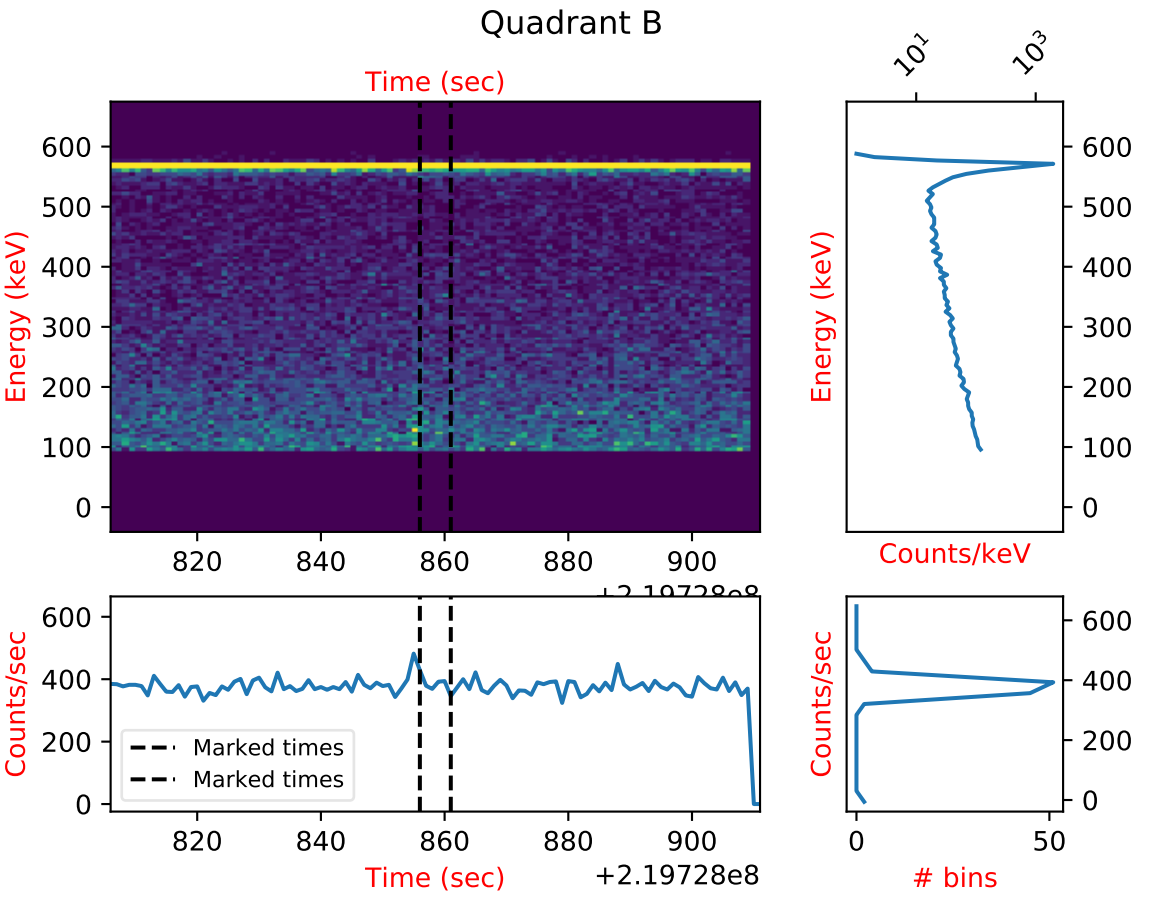
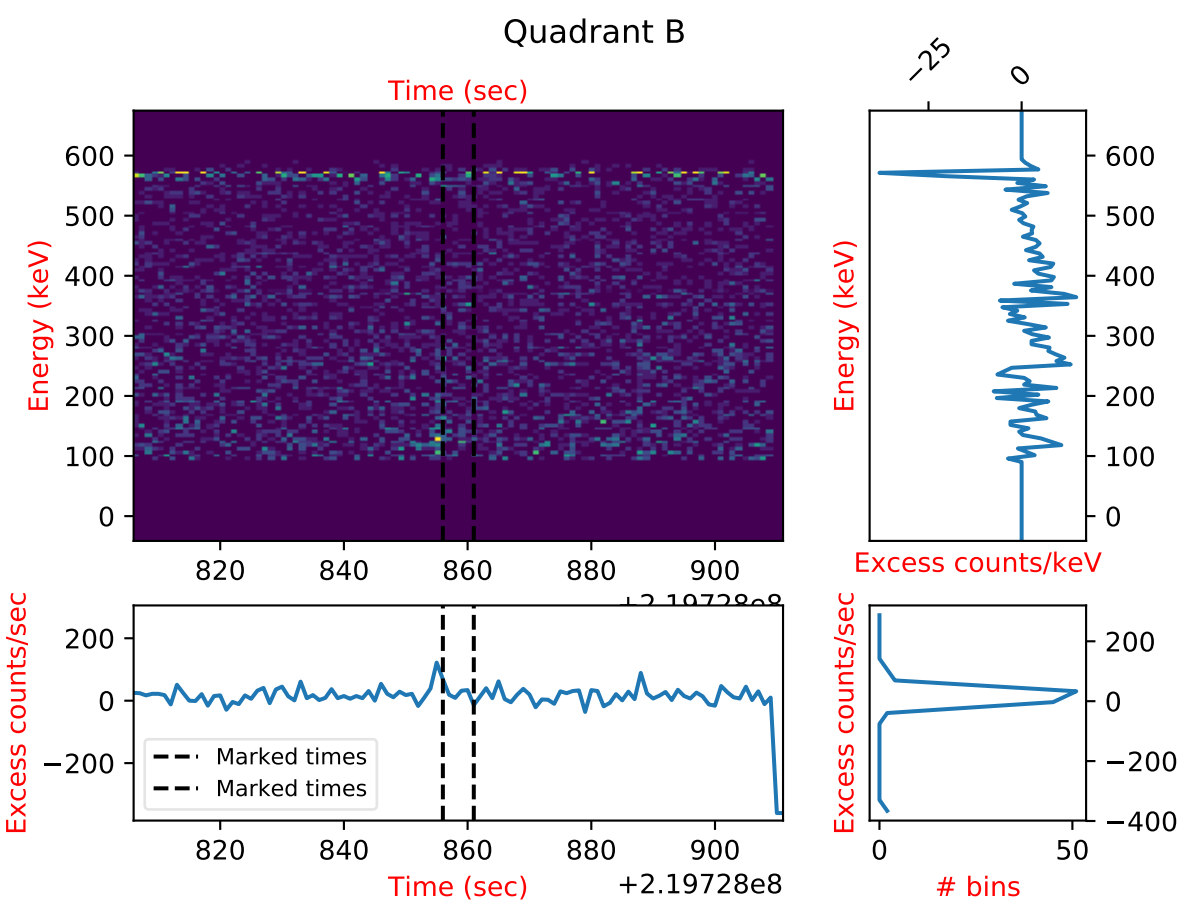

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
820
840
860
880
900
10^2
Counts/keV
Counts/sec
Marked times
Marked times
+2.19728e8
0
50
bins

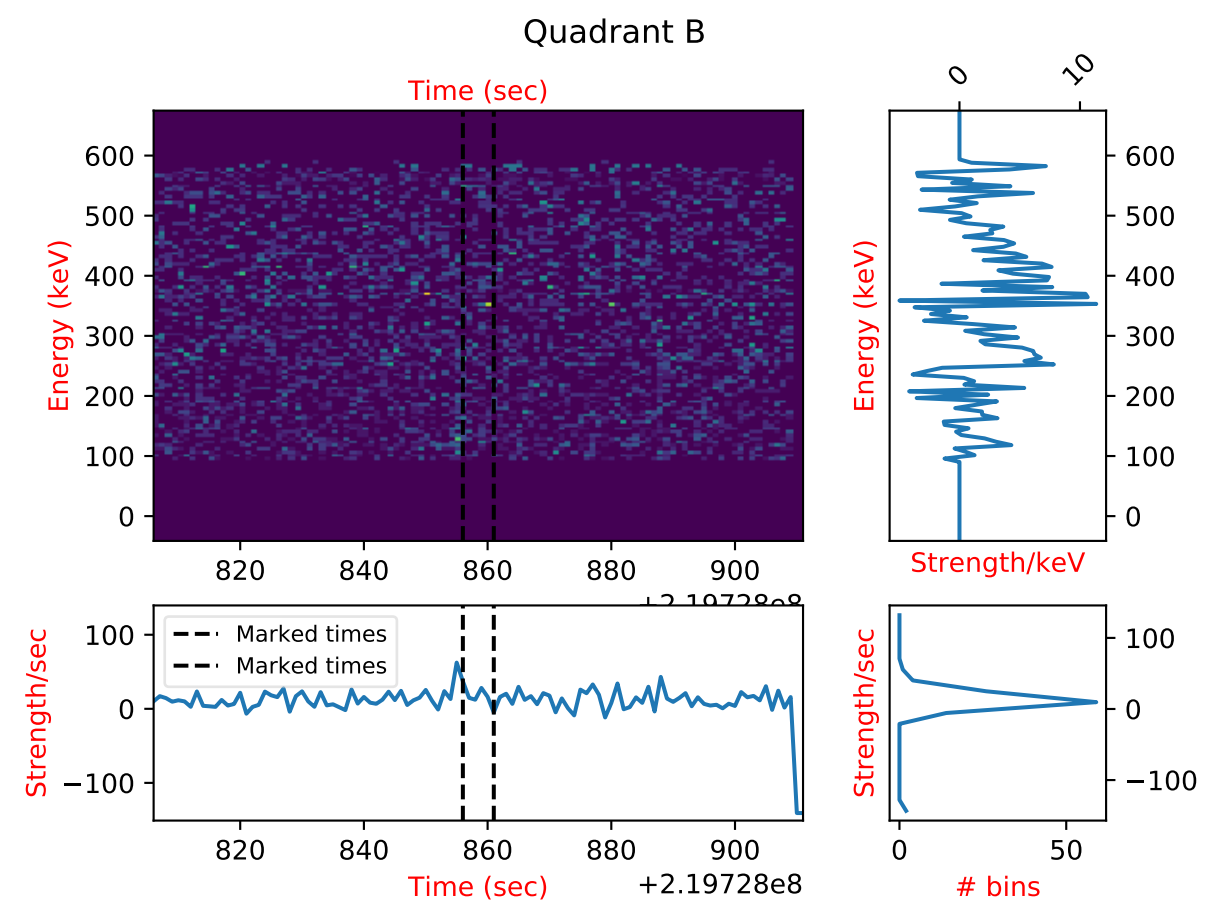

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
820
840
860
880
900
−50
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+2.19728e8
bins
50

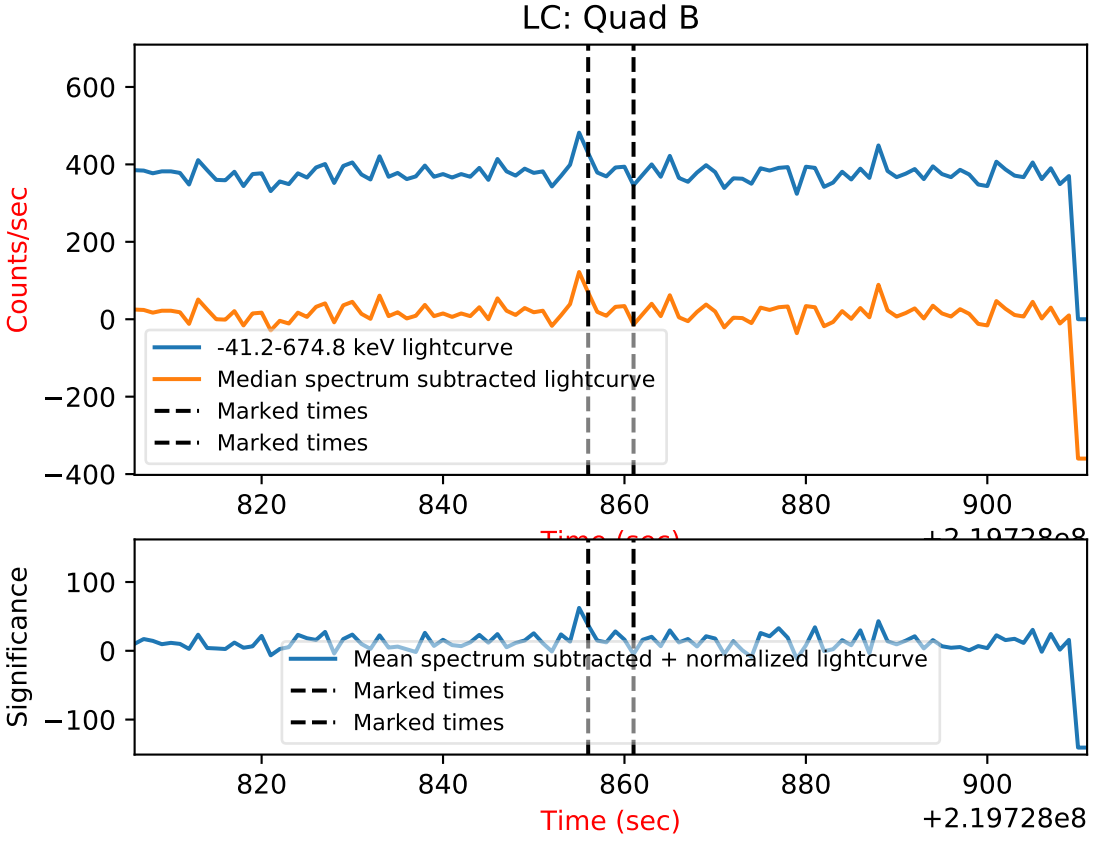

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
820
840
860
880
900
0
10
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+2.19728e8
bins
50

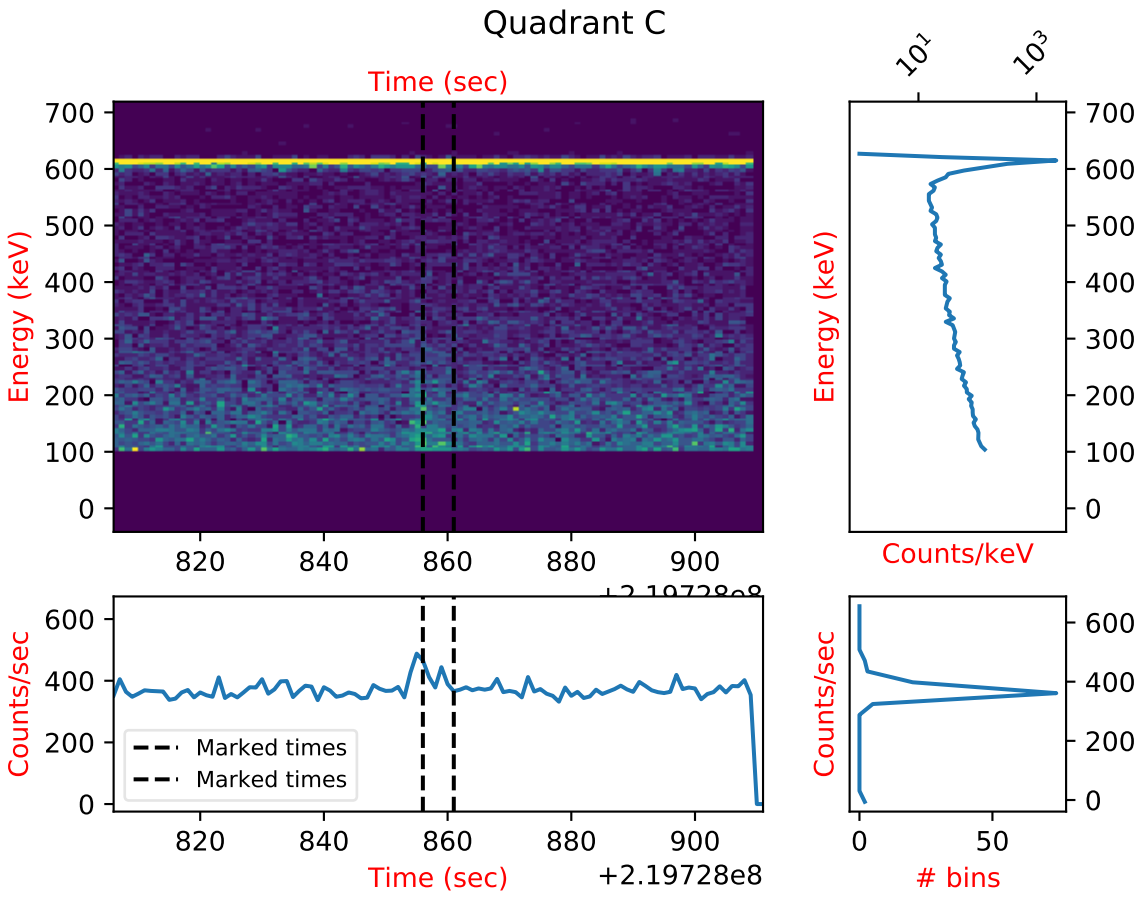

LC: Quad A
600
400
200
0
−200
Counts/sec
56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
820
840
860
880
900
Time (sec)
+2.19728e8
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
820
840
860
880
900
Time (sec)
+2.19728e8

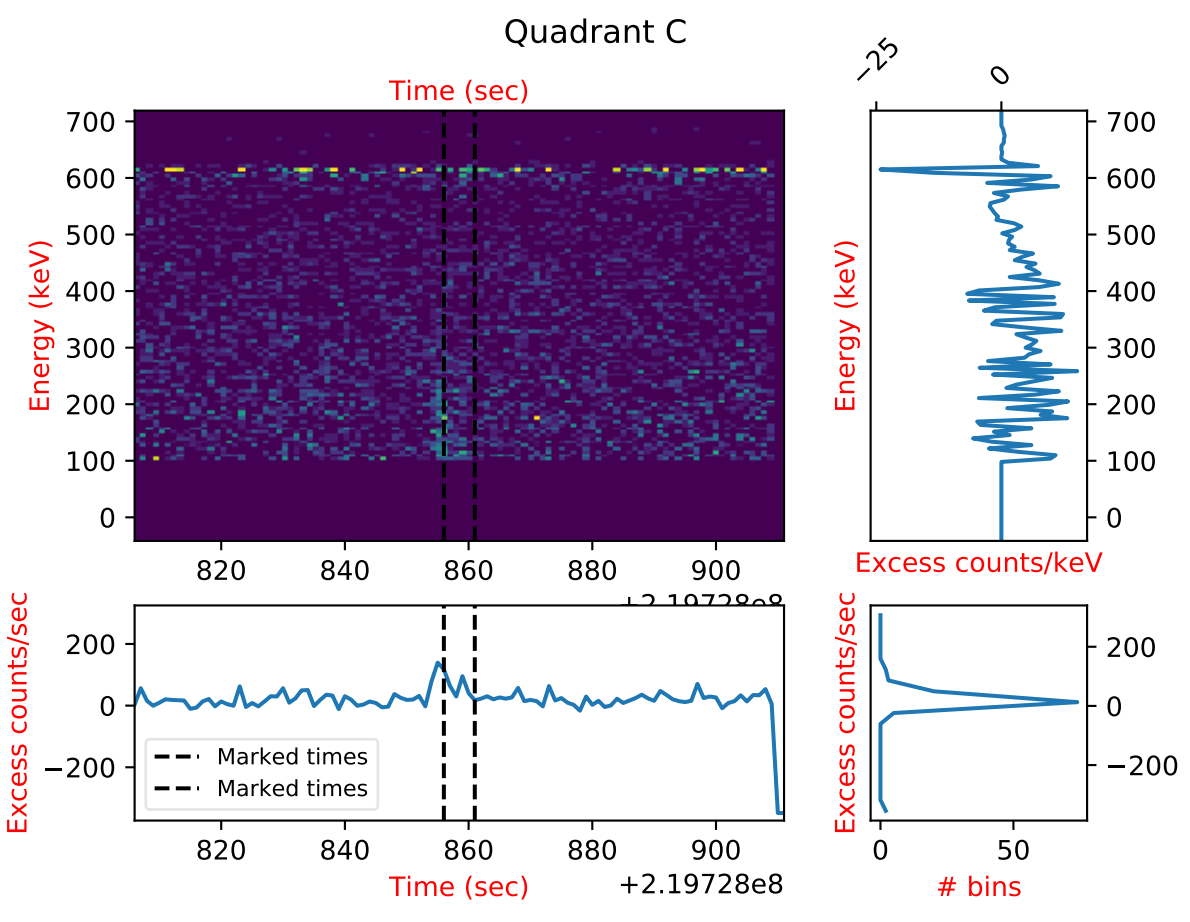

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
820
840
860
880
900
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
+2.19728e8
0
50
bins

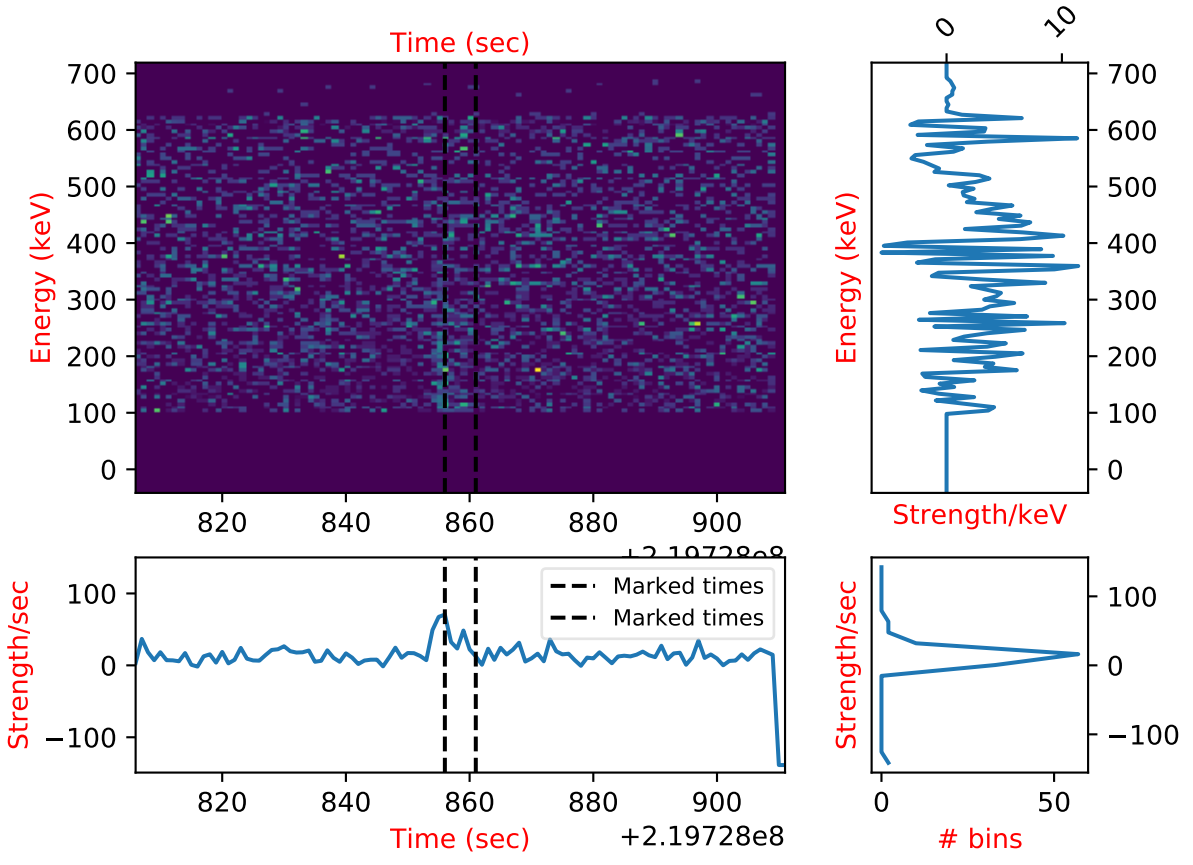

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
820
840
860
880
900
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+2.19728e8
−400
50
bins

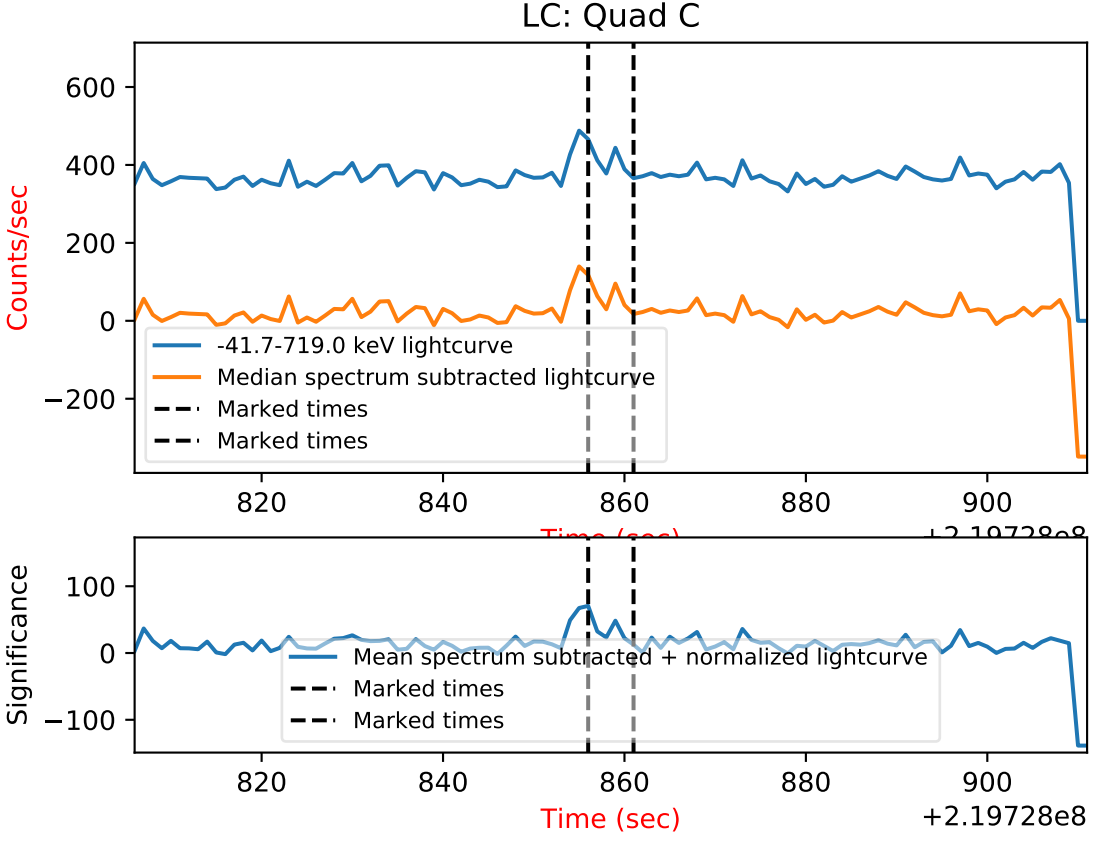

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
820
840
860
880
900
+2.19728e8
0
10
Energy (keV)
Strength/keV
Strength/sec
Marked times
Marked times
100
0
−100
Time (sec)
+2.19728e8
bins
50

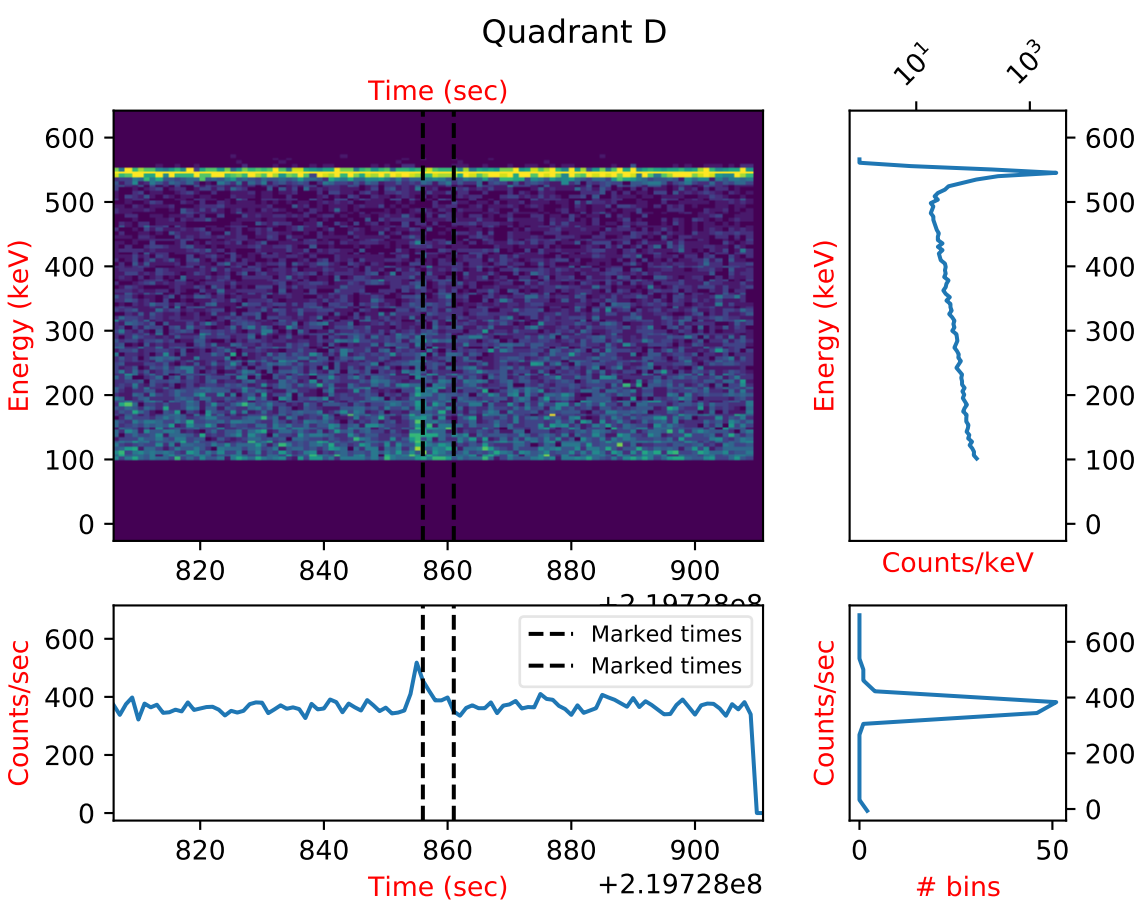

LC: Quad B
Counts/sec
600
400
200
0
−200
−400
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
820
840
860
880
900
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
820
840
860
880
900
Time (sec)
+2.19728e8

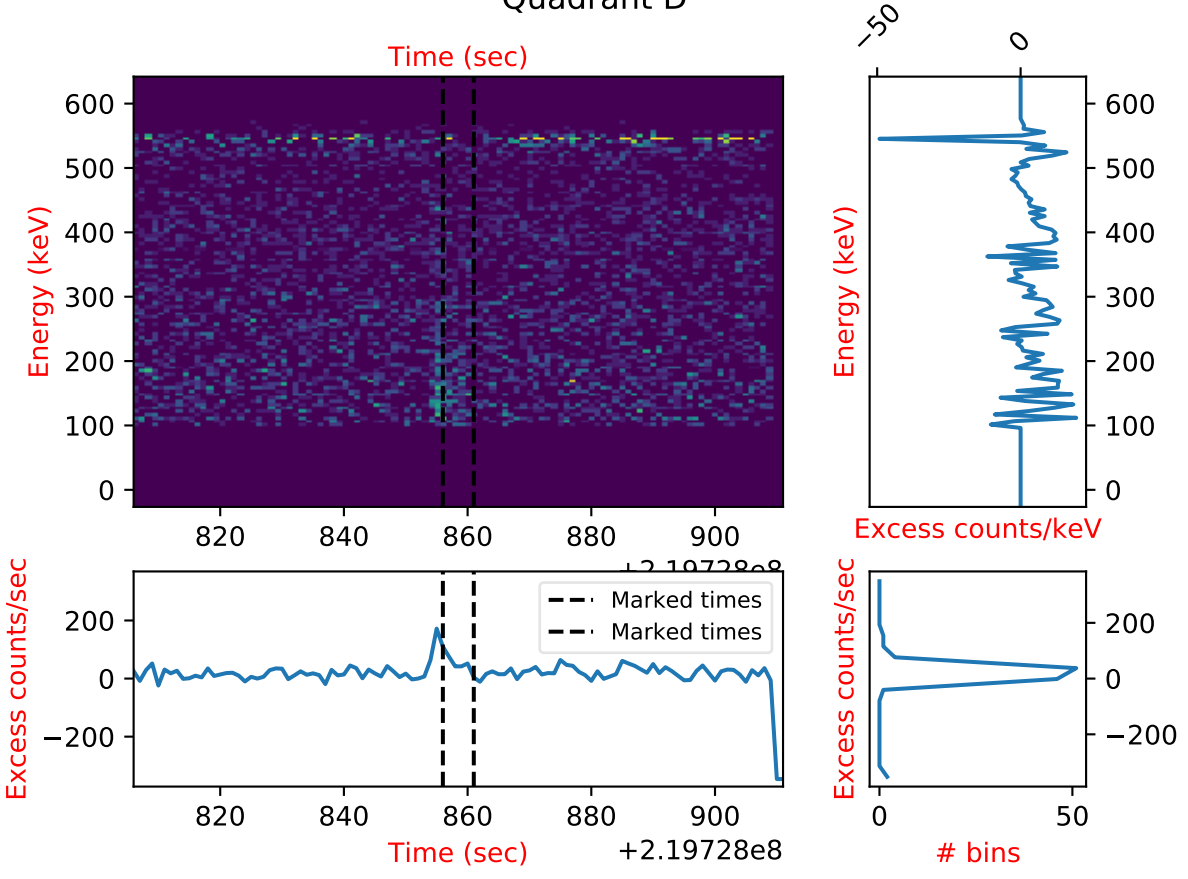

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
820
840
860
880
900
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
+2.19728e8
0
50
bins

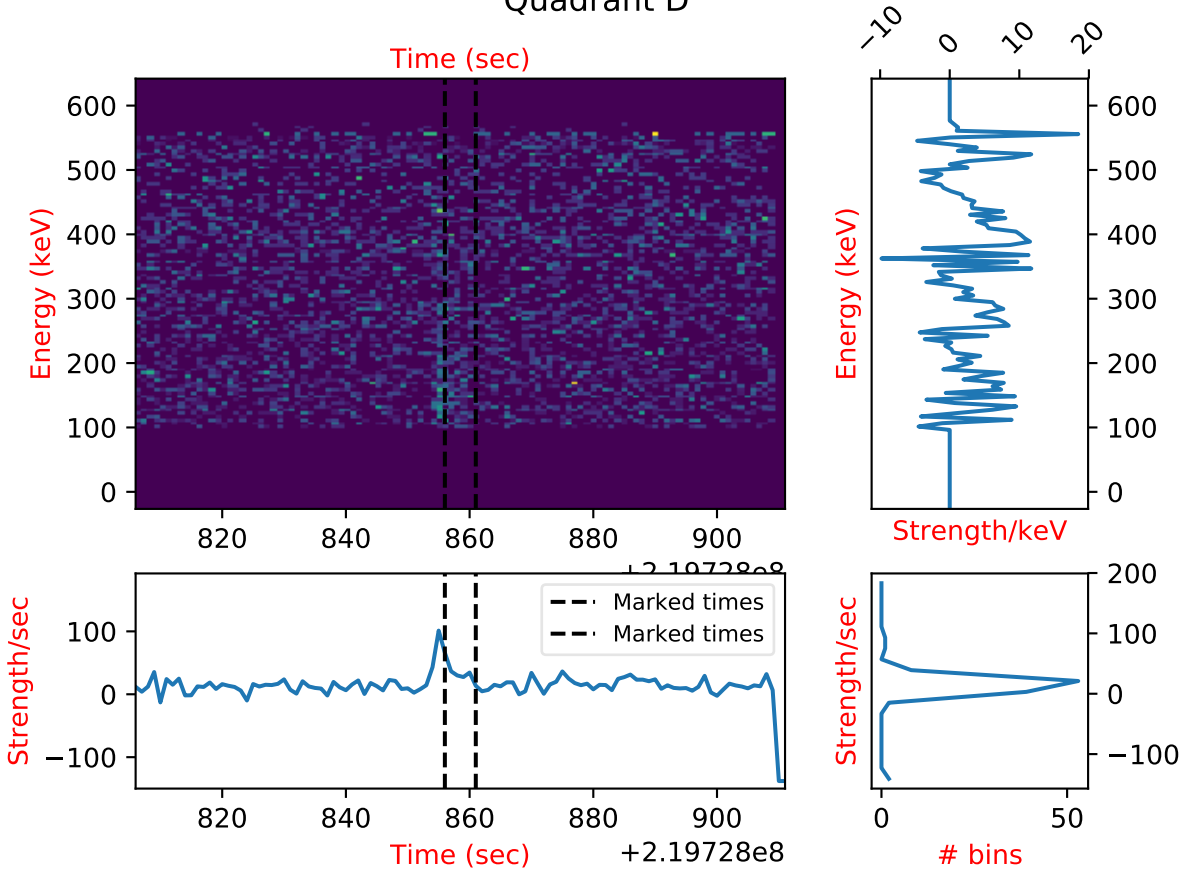

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
820
840
860
880
900
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+2.19728e8
bins
50

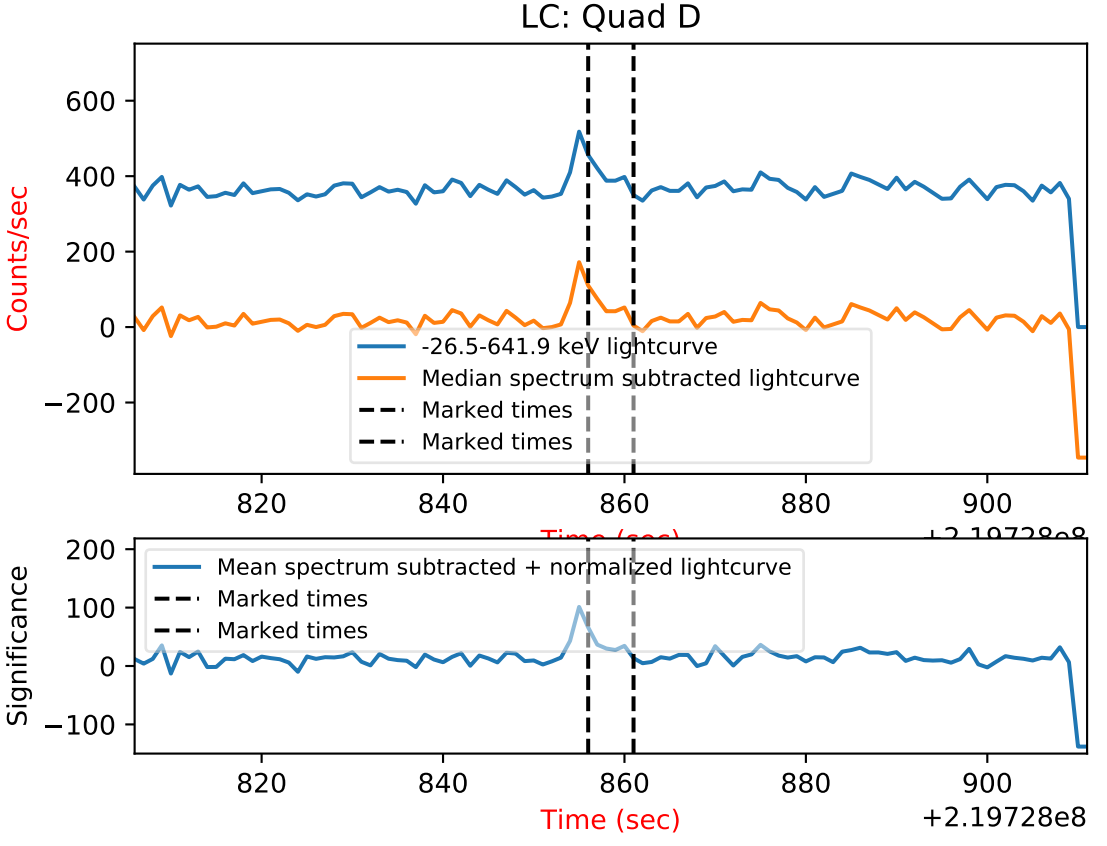

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
820
840
860
880
900
+2.19728e8
0
10
Strength/keV
Strength/sec
Marked times
Marked times
100
0
−100
Time (sec)
+2.19728e8
50
bins

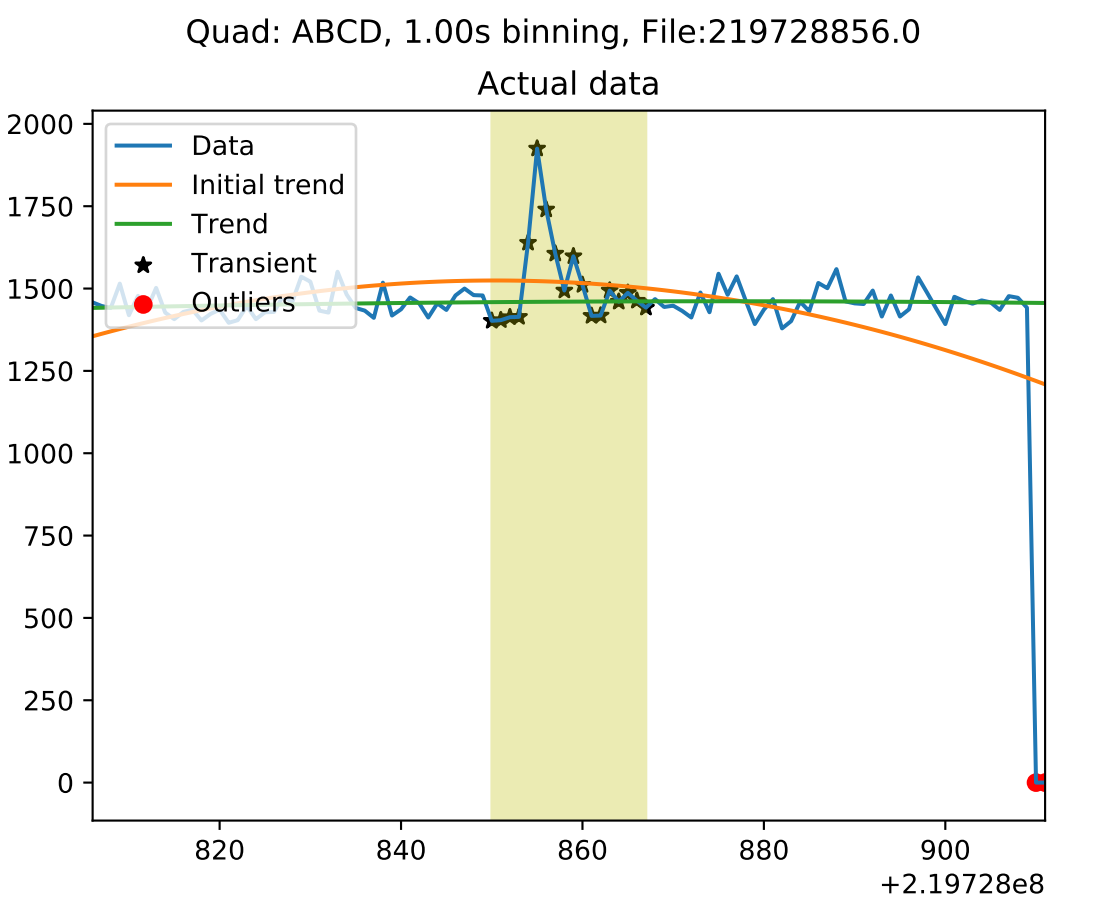

LC: Quad C
Counts/sec
600
400
200
0
−200
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
820
840
860
880
900
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
820
840
860
880
900
Time (sec)
+2.19728e8


Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
820
840
860
880
900
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
+2.19728e8
bins
50

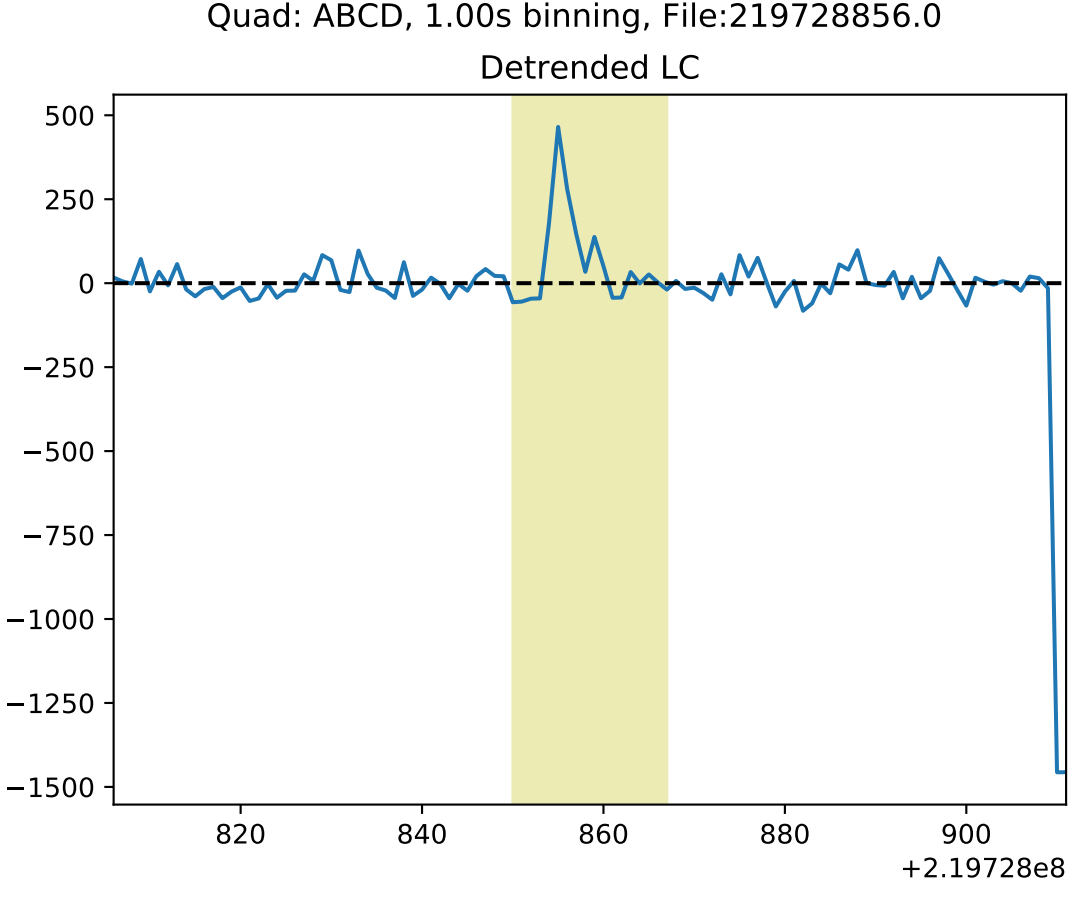

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
820
840
860
880
900
−50
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+2.19728e8
bins
50

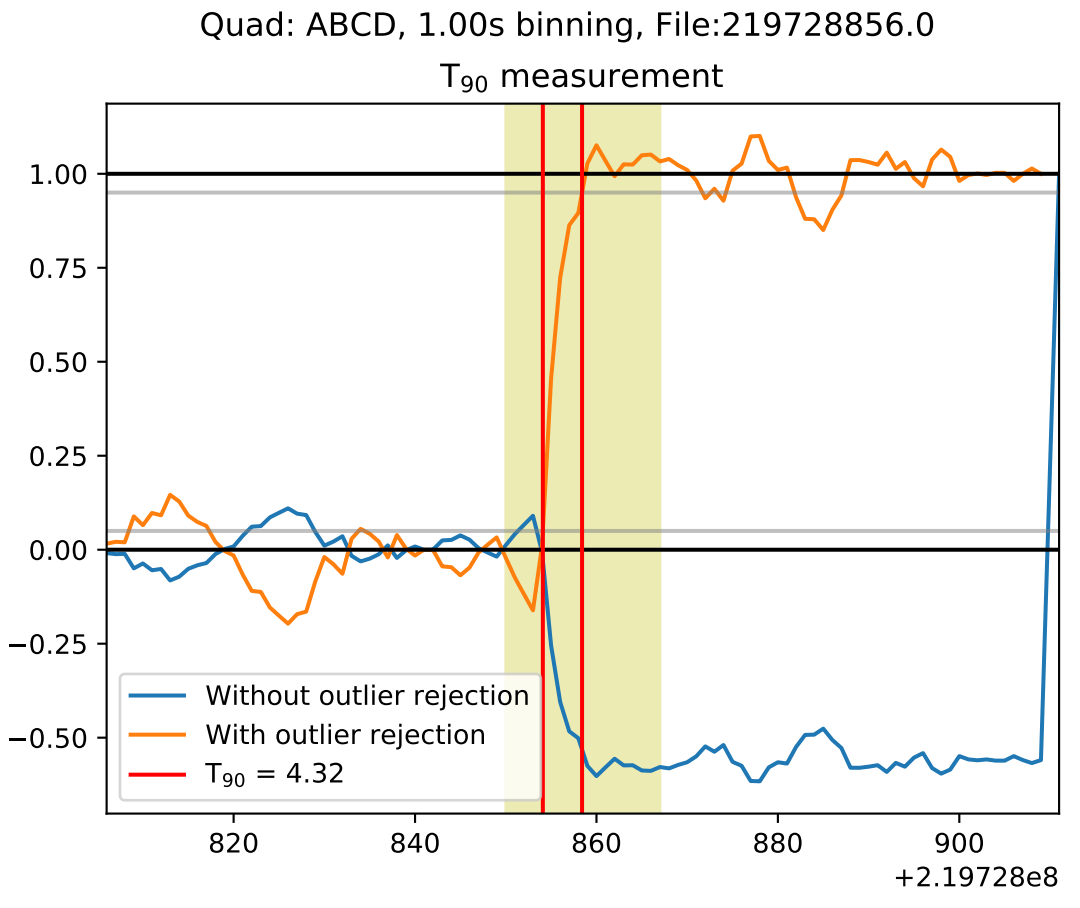

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
820
840
860
880
900
+2.19728e8
−10
0
10
20
Strength/keV
Strength/sec
Marked times
Marked times
100
0
−100
200
50
bins

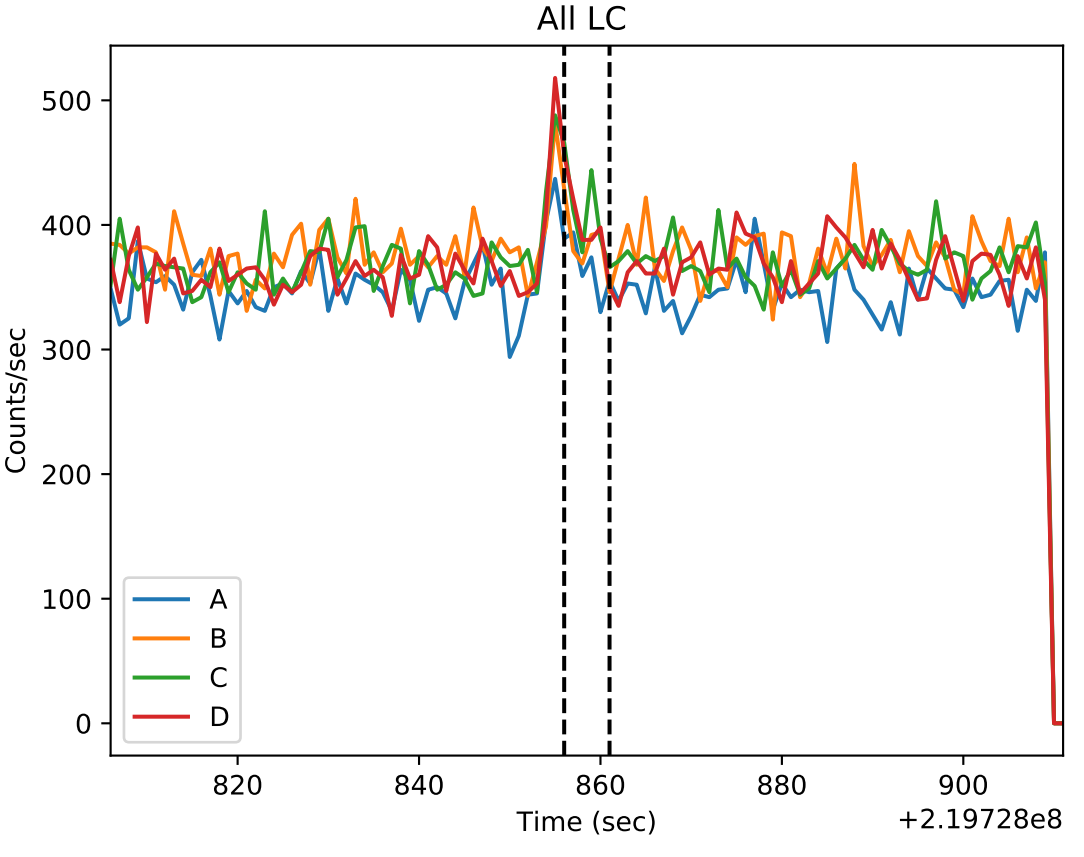

LC: Quad D
Counts/sec
600
400
200
0
−200
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
820
840
860
880
900
Significance
200
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
820
840
860
880
900
Time (sec)
+2.19728e8


Quad: ABCD, 1.00s binning, File:219728856.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
2000
1750
1500
1250
1000
750
500
250
0
820
840
860
880
900
+2.19728e8

Quad: ABCD, 1.00s binning, File:219728856.0
Ratio
Transient
Outliers
1.2
1.0
0.8
0.6
0.4
0.2
0.0
820
840
860
880
900
+2.19728e8


Quad: ABCD, 1.00s binning, File:219728856.0
Detrended LC
500
250
0
−250
−500
−750
−1000
−1250
−1500
820
840
860
880
900
+2.19728e8


Quad: ABCD, 1.00s binning, File:219728856.0
T90 measurement
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
820
840
860
880
900
+2.19728e8
Without outlier rejection
With outlier rejection
T90 = 4.32


All LC
Counts/sec
500
400
300
200
100
0
820
840
860
880
900
Time (sec)
+2.19728e8
A
B
C
D