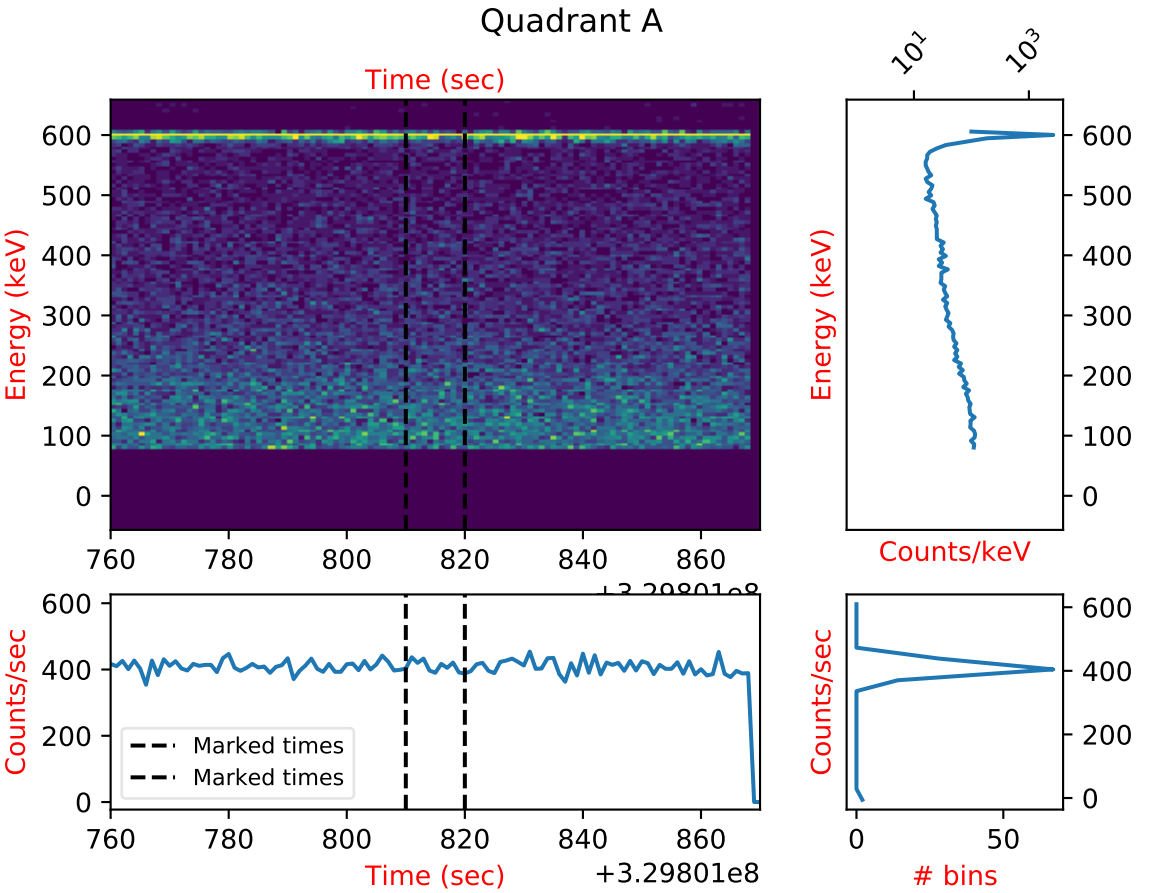
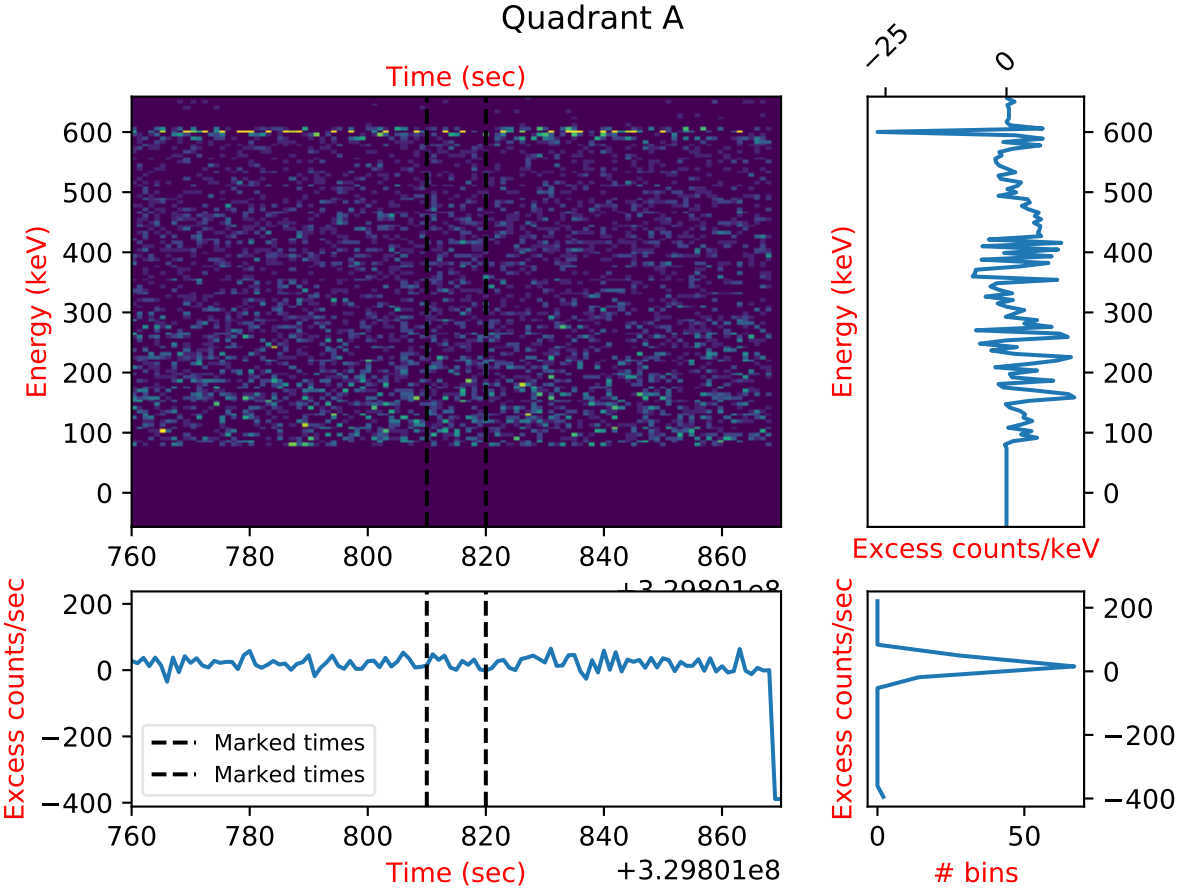
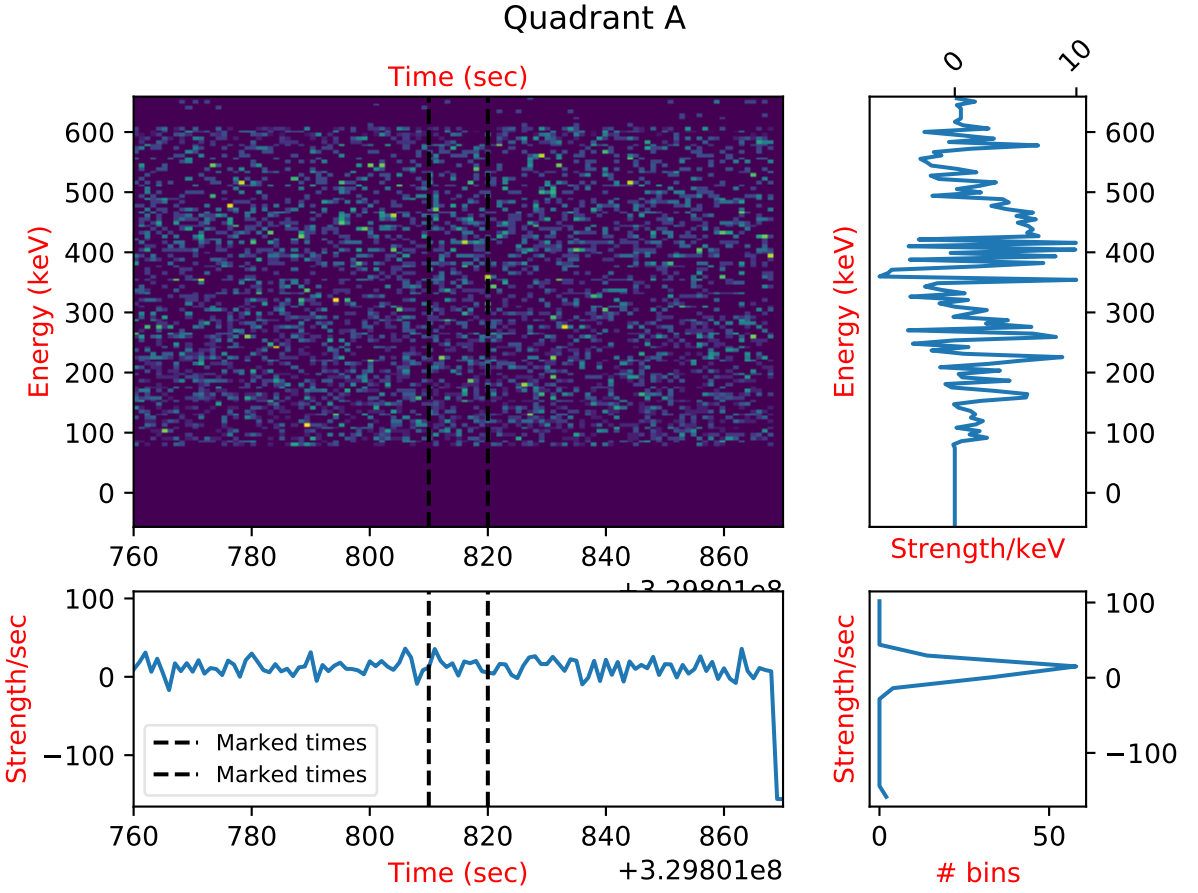
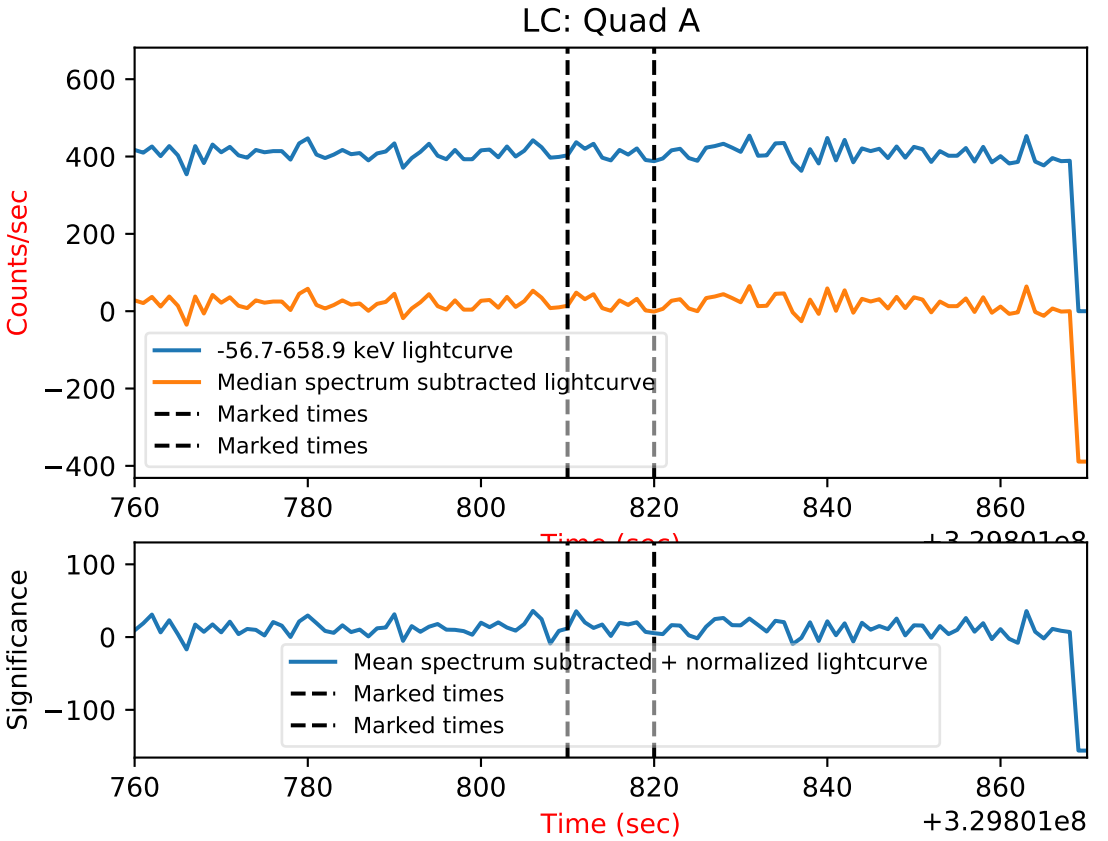
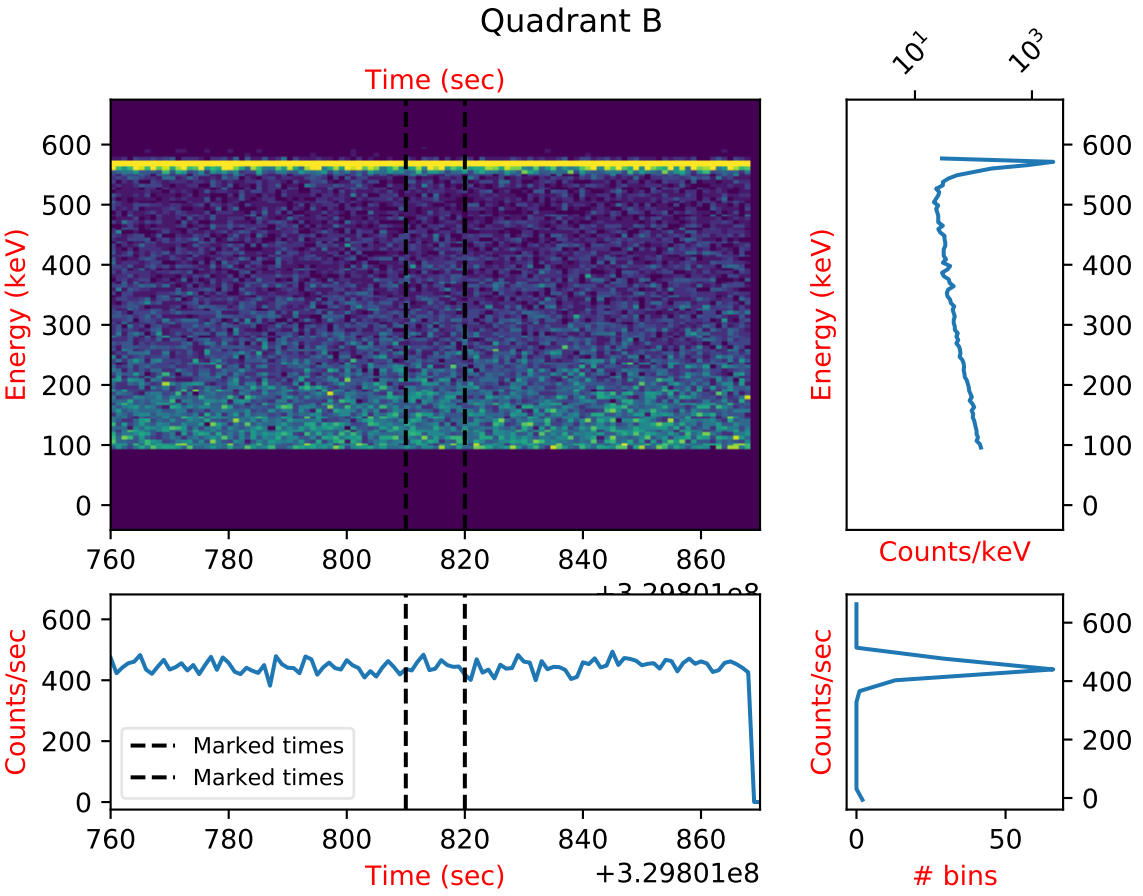
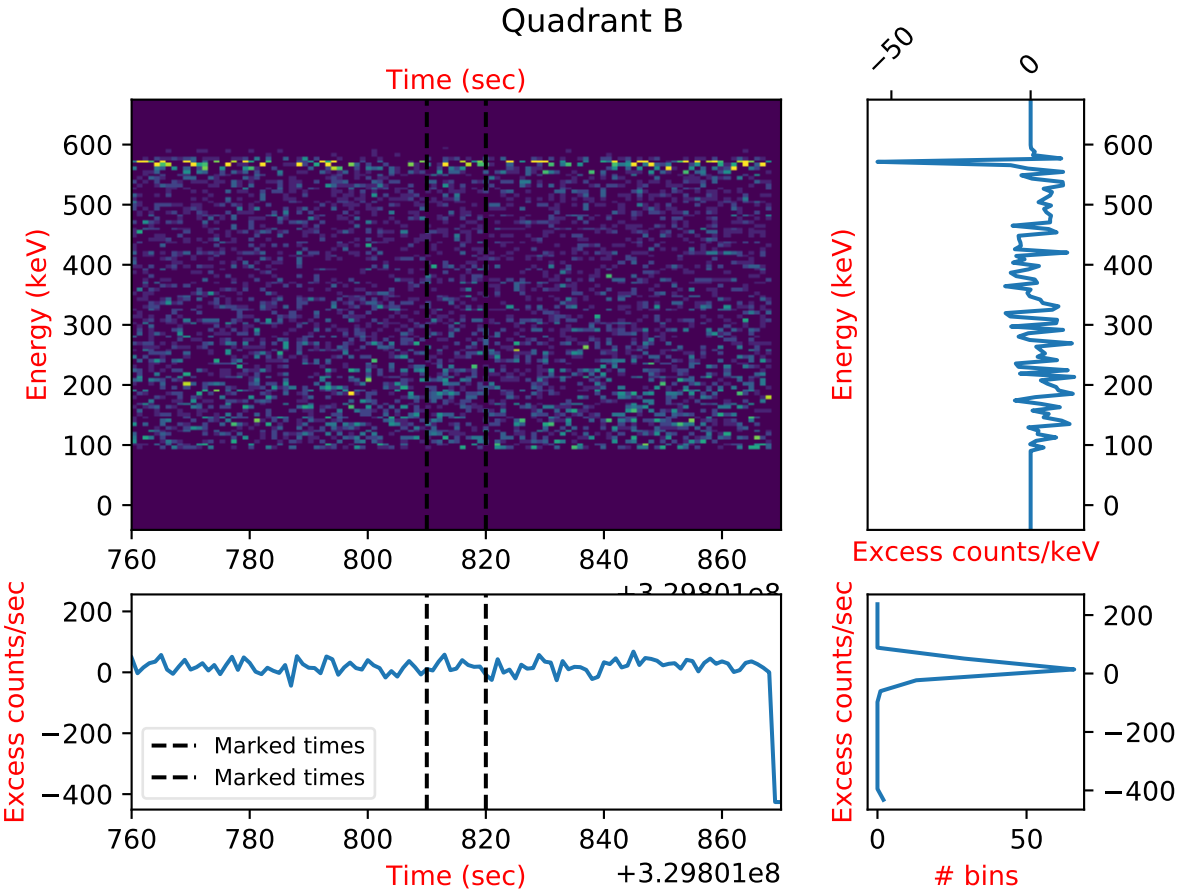

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
760
780
800
820
840
860
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+3.29801e8
bins
50

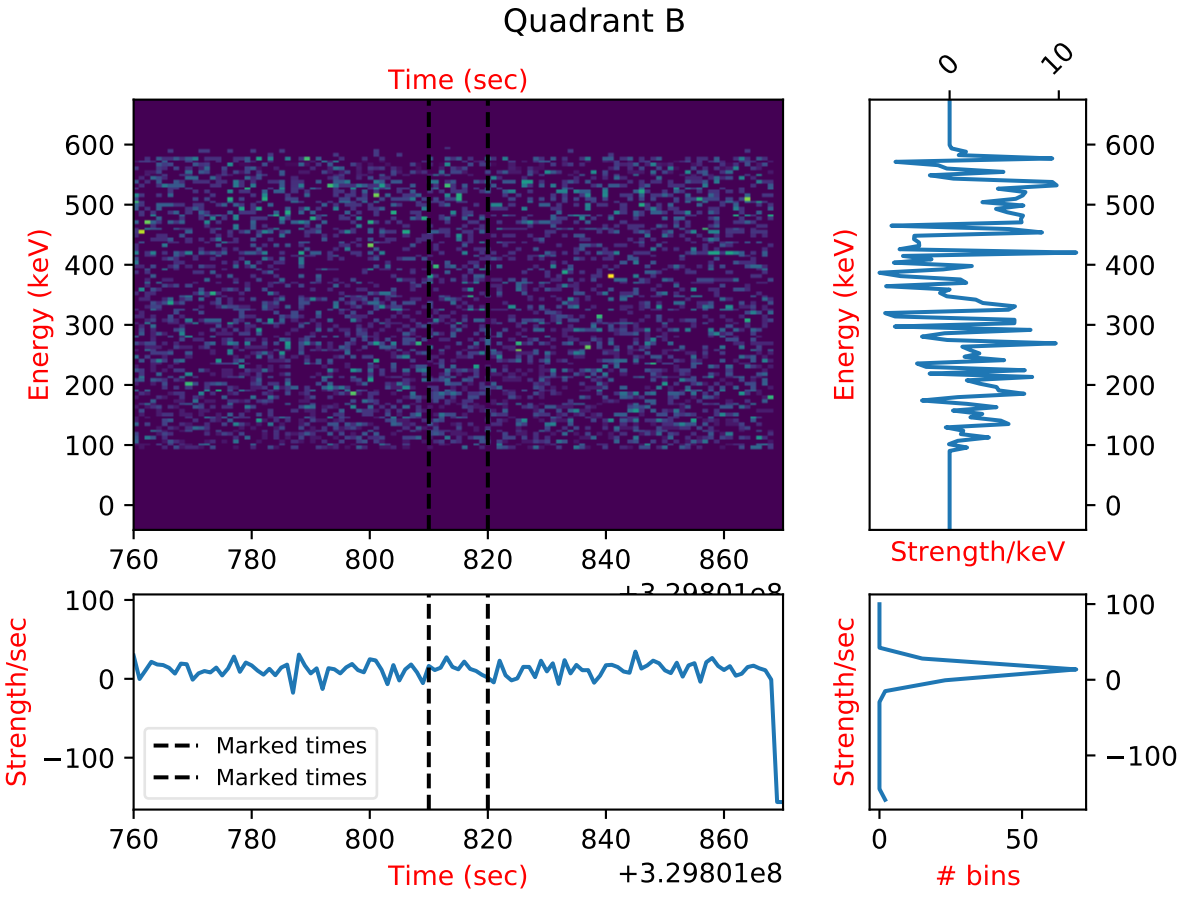

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
760
780
800
820
840
860
+3.29801e8
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
−400
Marked times
Marked times
Time (sec)
+3.29801e8
bins
50

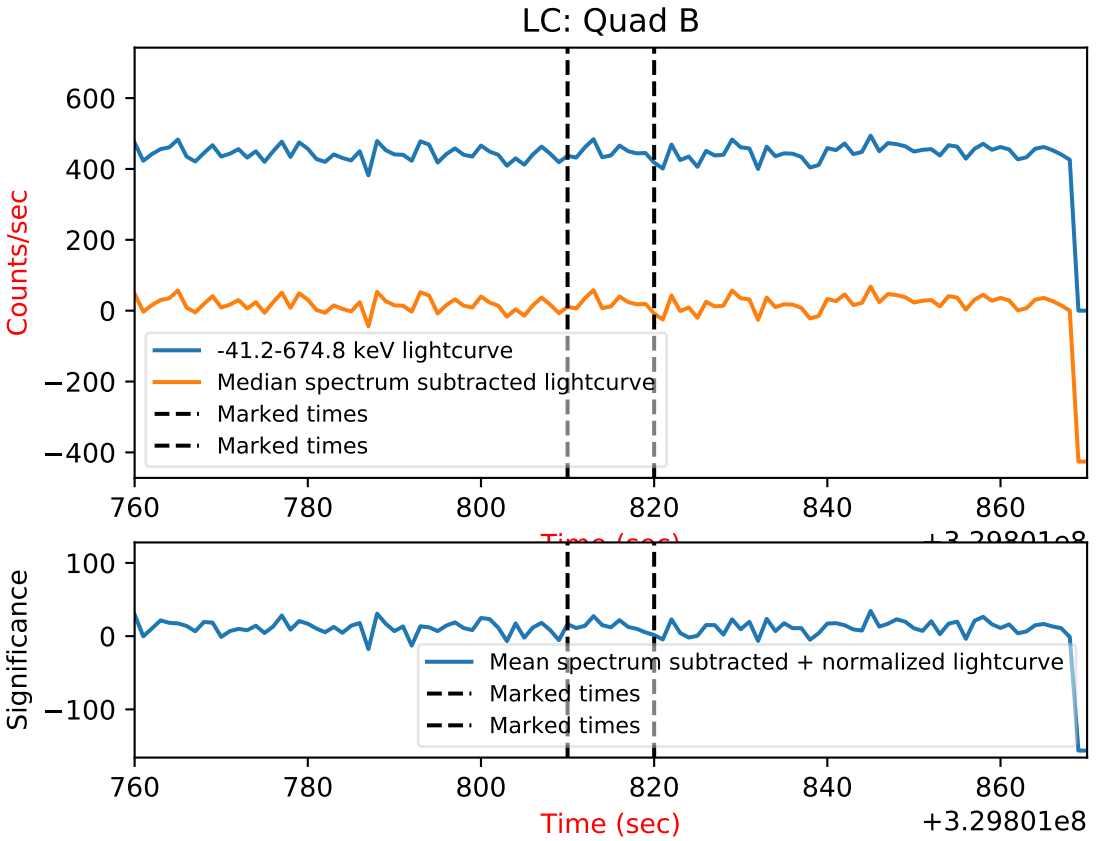

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
760
780
800
820
840
860
+3.29801e8
0
10
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+3.29801e8
bins
50

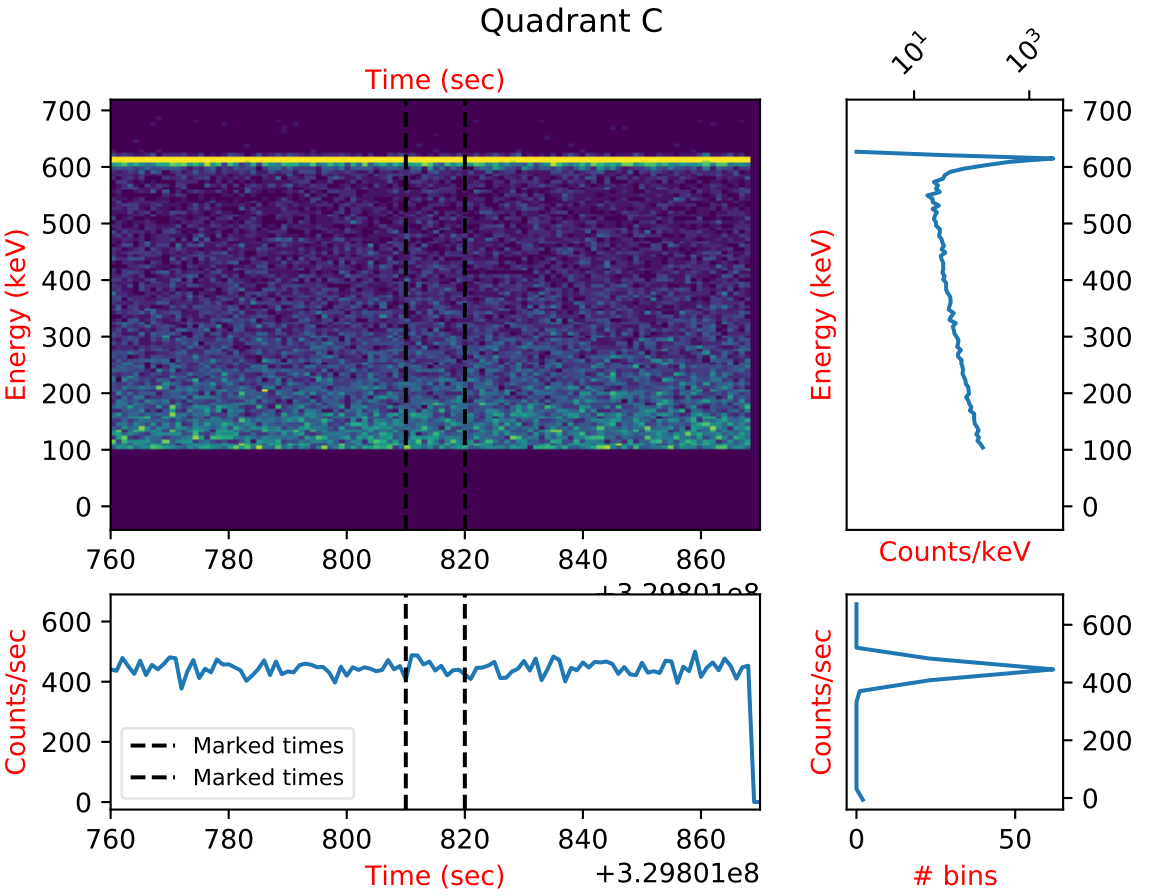

LC: Quad A
Counts/sec
600
400
200
0
−200
−400
-56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
760
780
800
820
840
860
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+3.29801e8

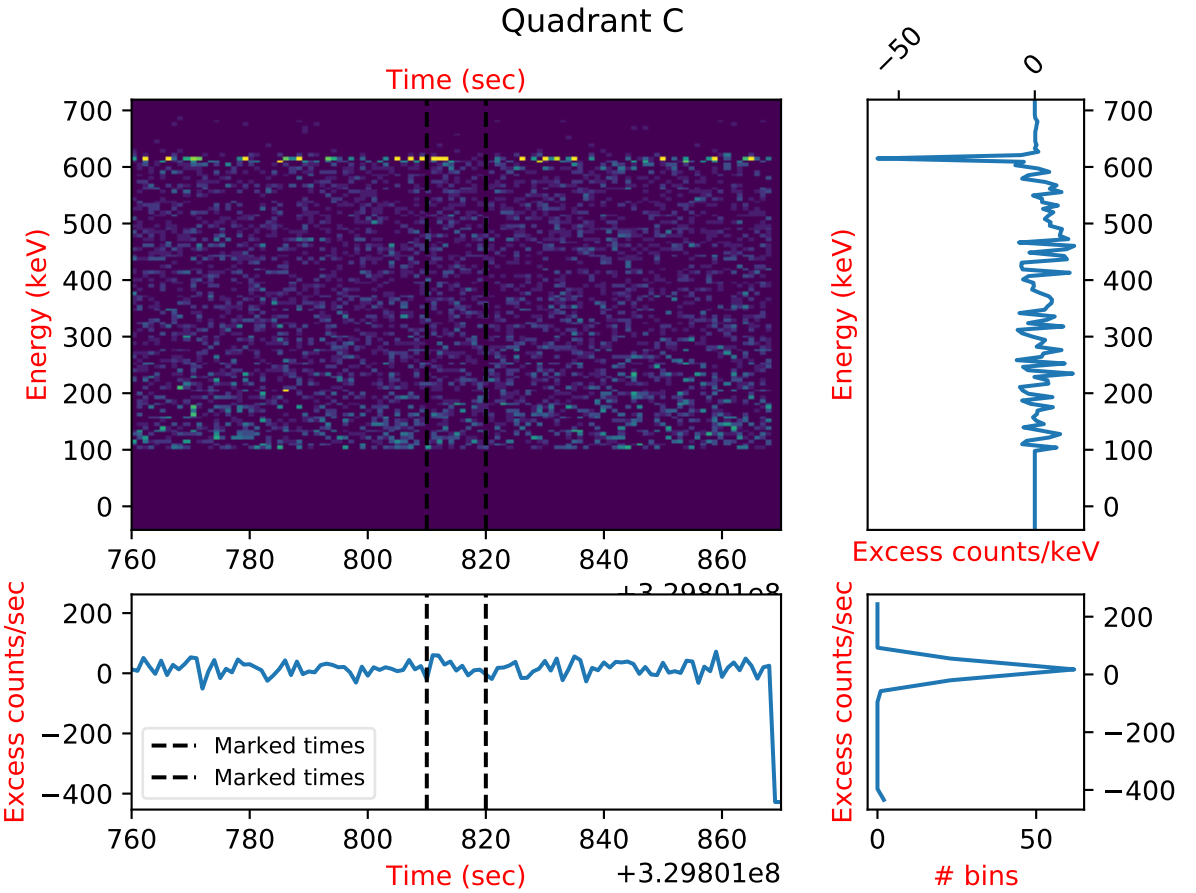

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
760
780
800
820
840
860
+3.29801e8
Counts/keV
10^1
10^3
Counts/sec
Marked times
Marked times
Time (sec)
+3.29801e8
bins
0
50

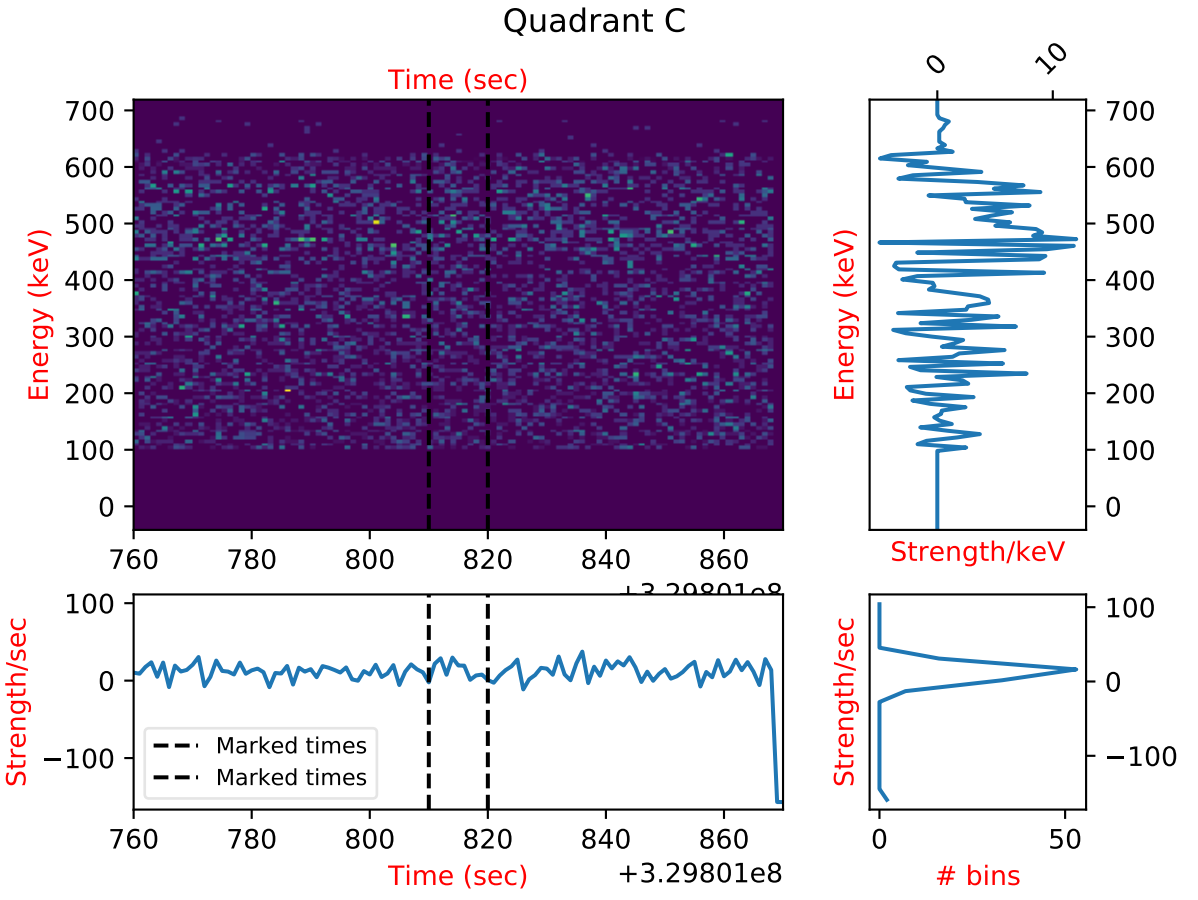

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
760
780
800
820
840
860
+3.29801e8
Excess counts/keV
−50
0
Excess counts/sec
200
0
−200
−400
Marked times
Marked times
Time (sec)
+3.29801e8
bins
50

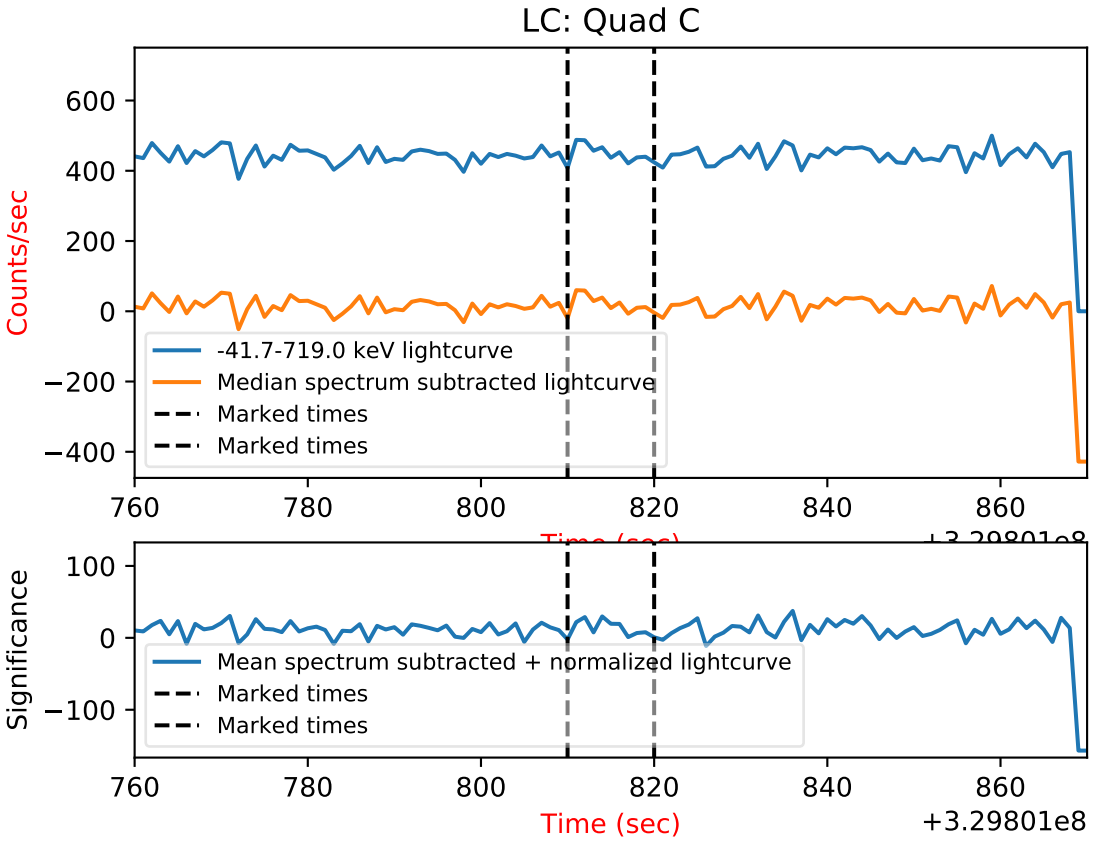

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
760
780
800
820
840
860
+3.29801e8
Strength/keV
0
10
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+3.29801e8
bins
0
50

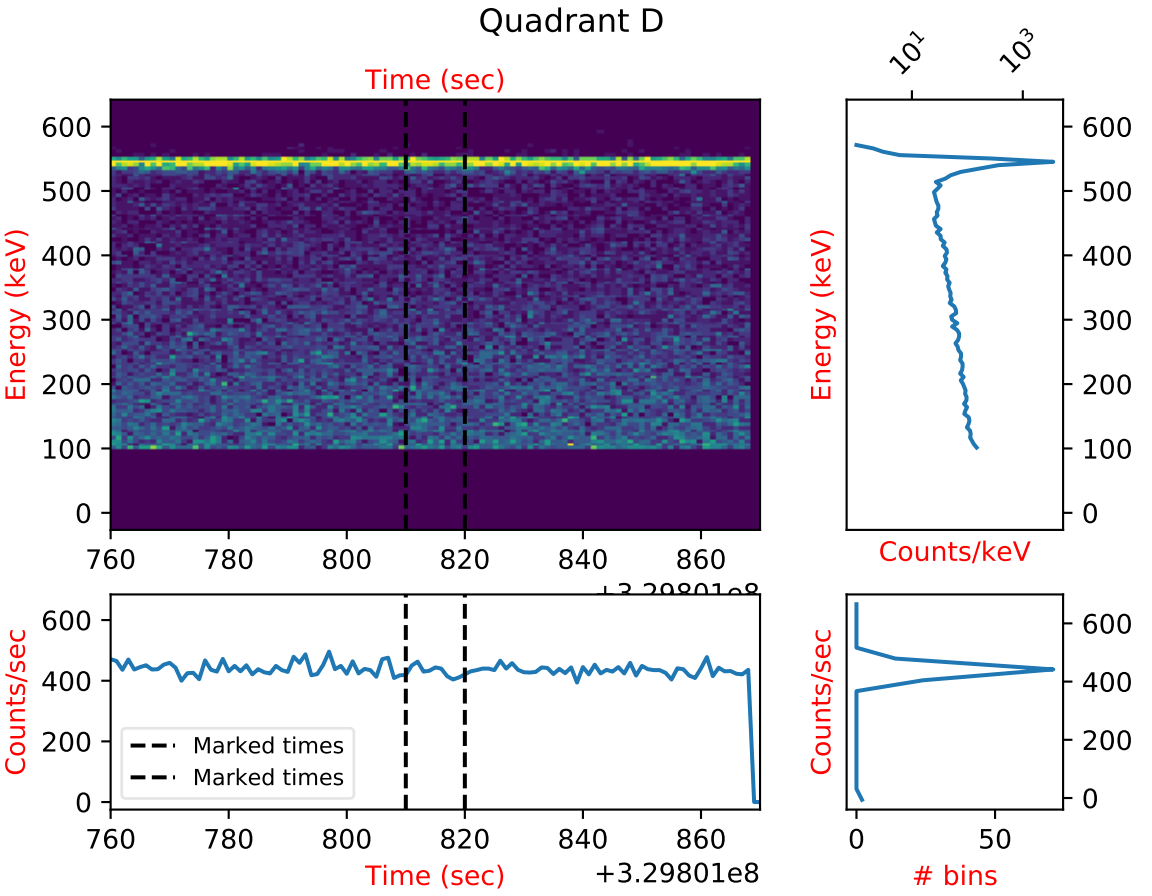

LC: Quad B
Counts/sec
600
400
200
0
−200
−400
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
760
780
800
820
840
860
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+3.29801e8

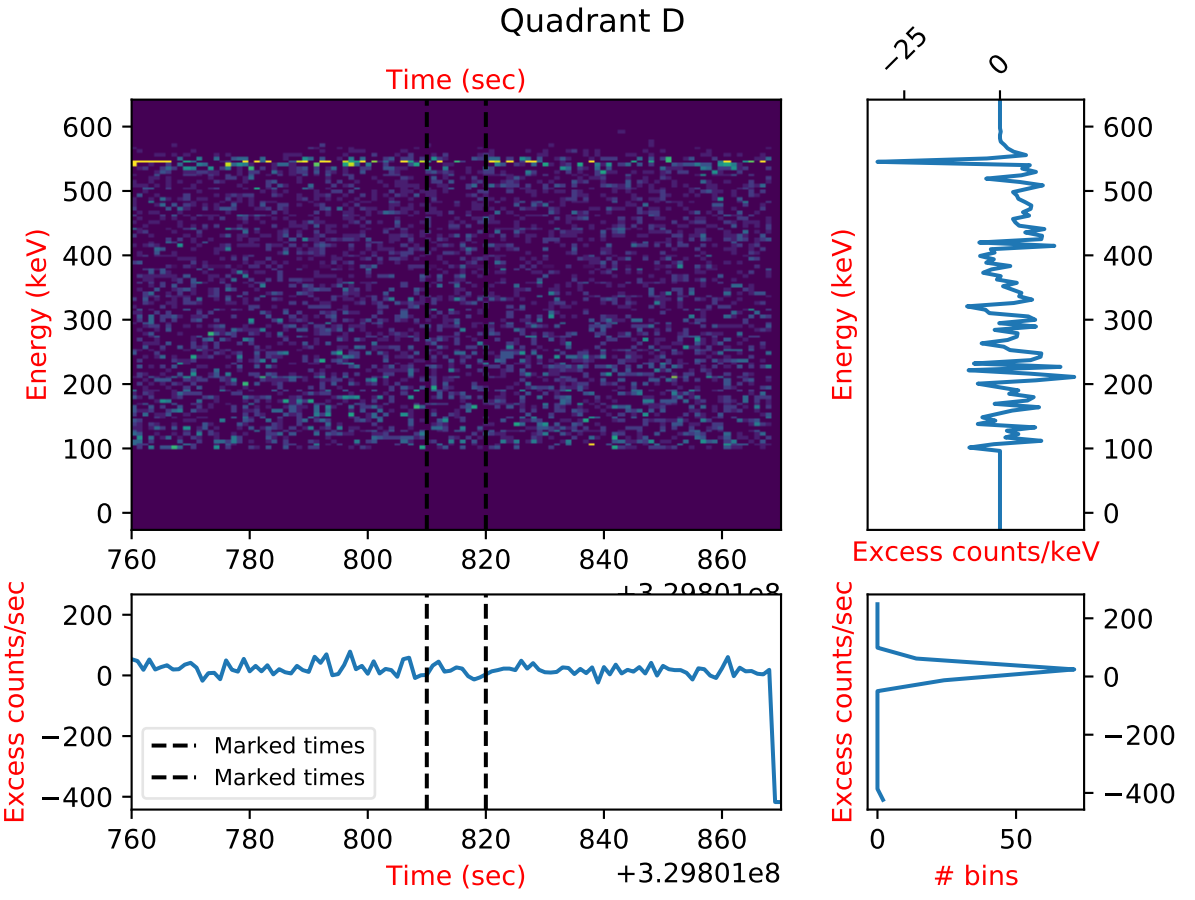

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
760
780
800
820
840
860
+3.29801e8
Counts/keV
10^1
10^3
Counts/sec
Marked times
Marked times
Time (sec)
+3.29801e8
bins
0
50

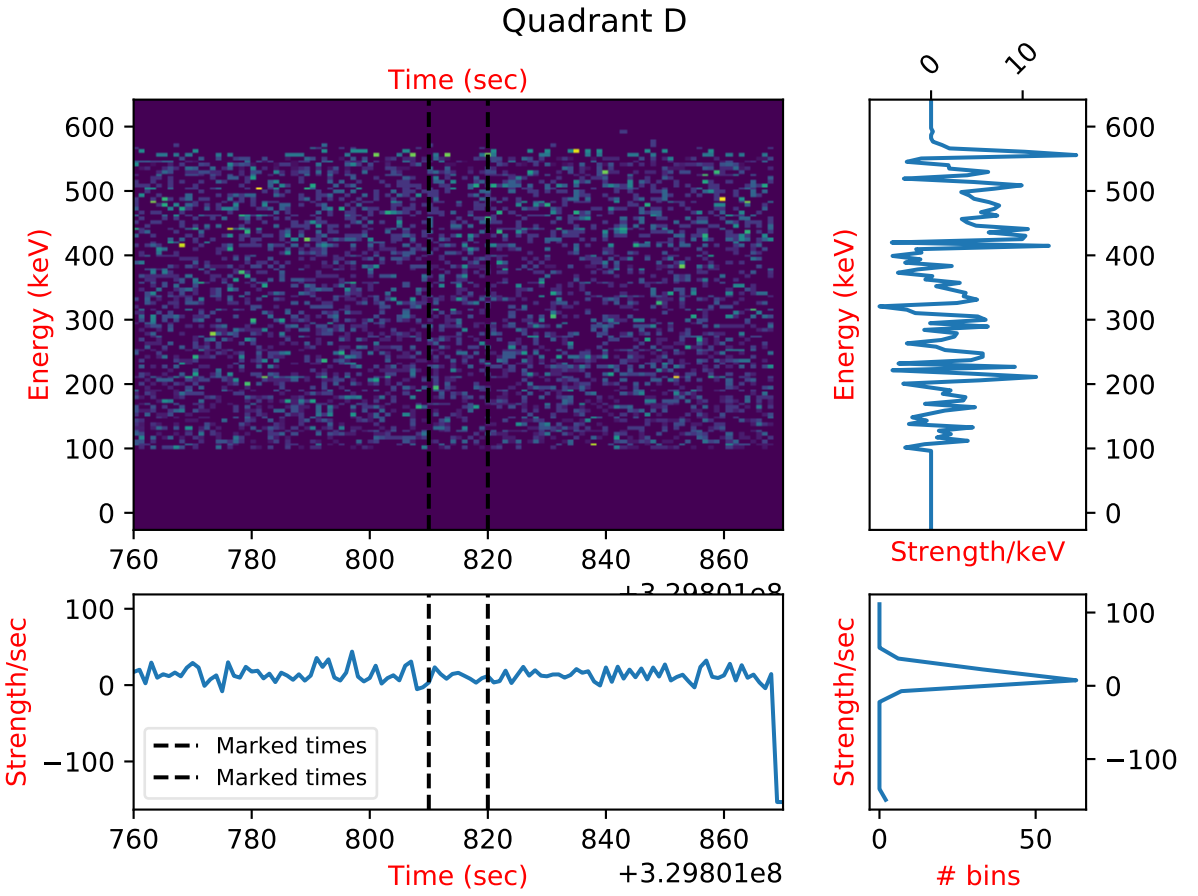

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
760
780
800
820
840
860
+3.29801e8
Excess counts/keV
−50
0
Excess counts/sec
200
0
−200
−400
Marked times
Marked times
Time (sec)
+3.29801e8
bins
50

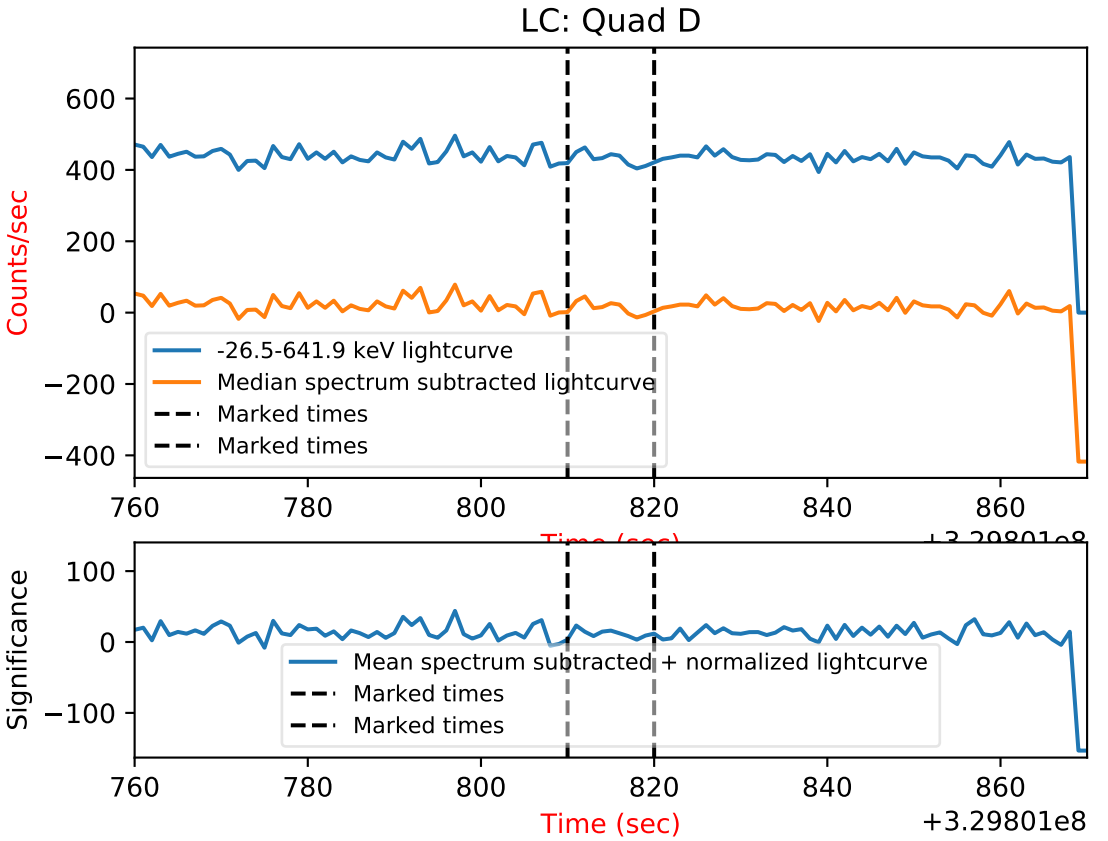

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
760
780
800
820
840
860
+3.29801e8
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+3.29801e8
0
10
Strength/keV
bins
50

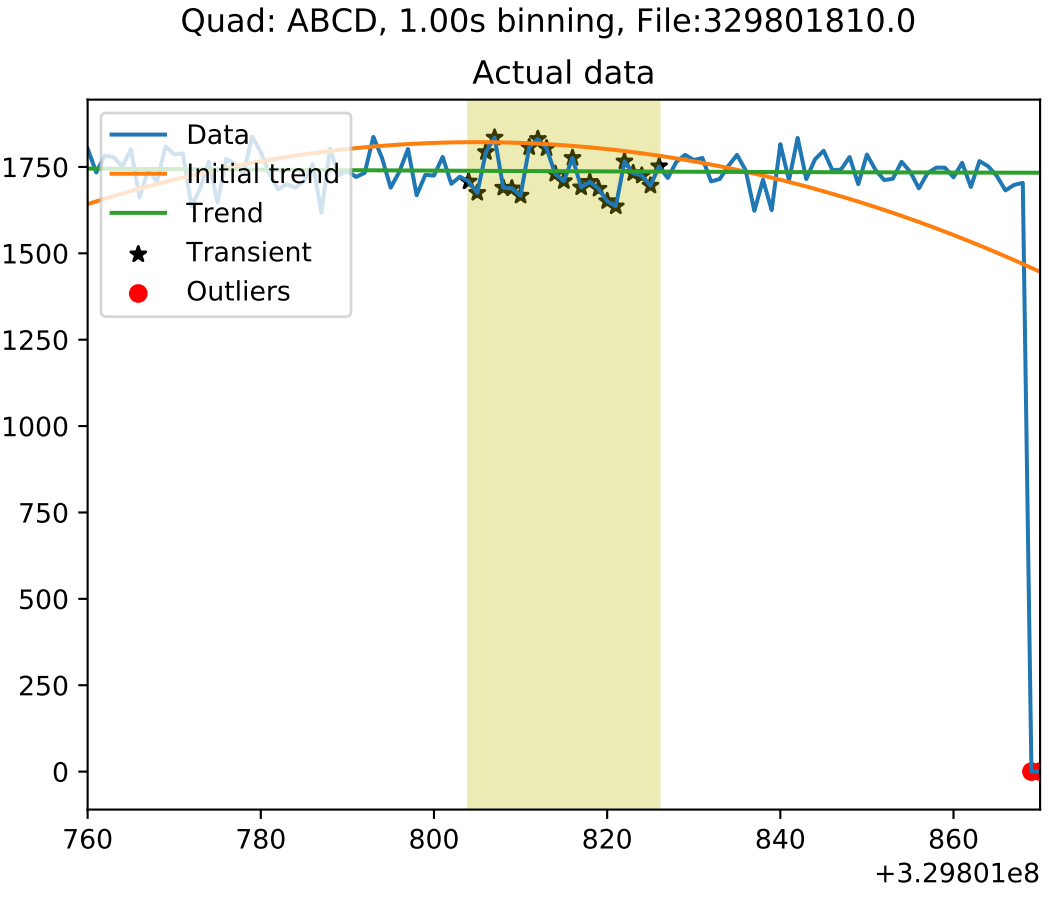

LC: Quad C
Counts/sec
600
400
200
0
−200
−400
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
760
780
800
820
840
860
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+3.29801e8

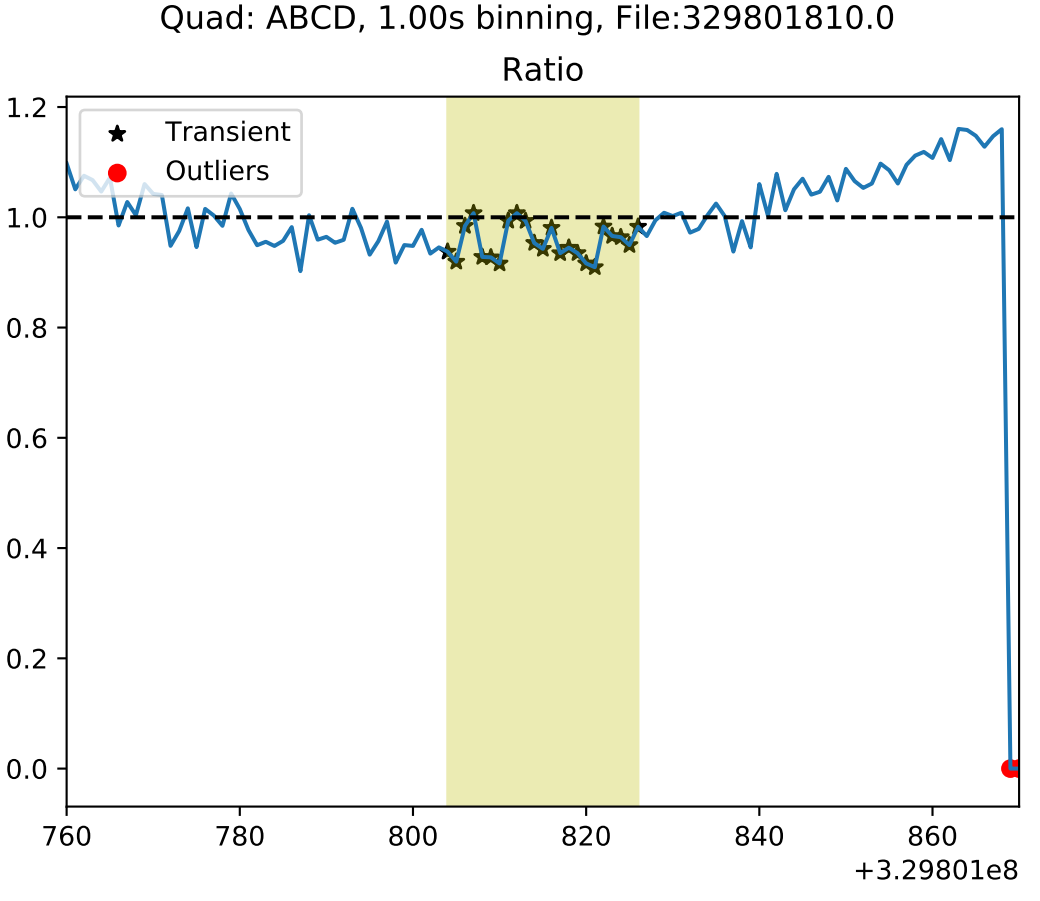

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
760
780
800
820
840
860
+3.29801e8
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+3.29801e8
bins
0
50

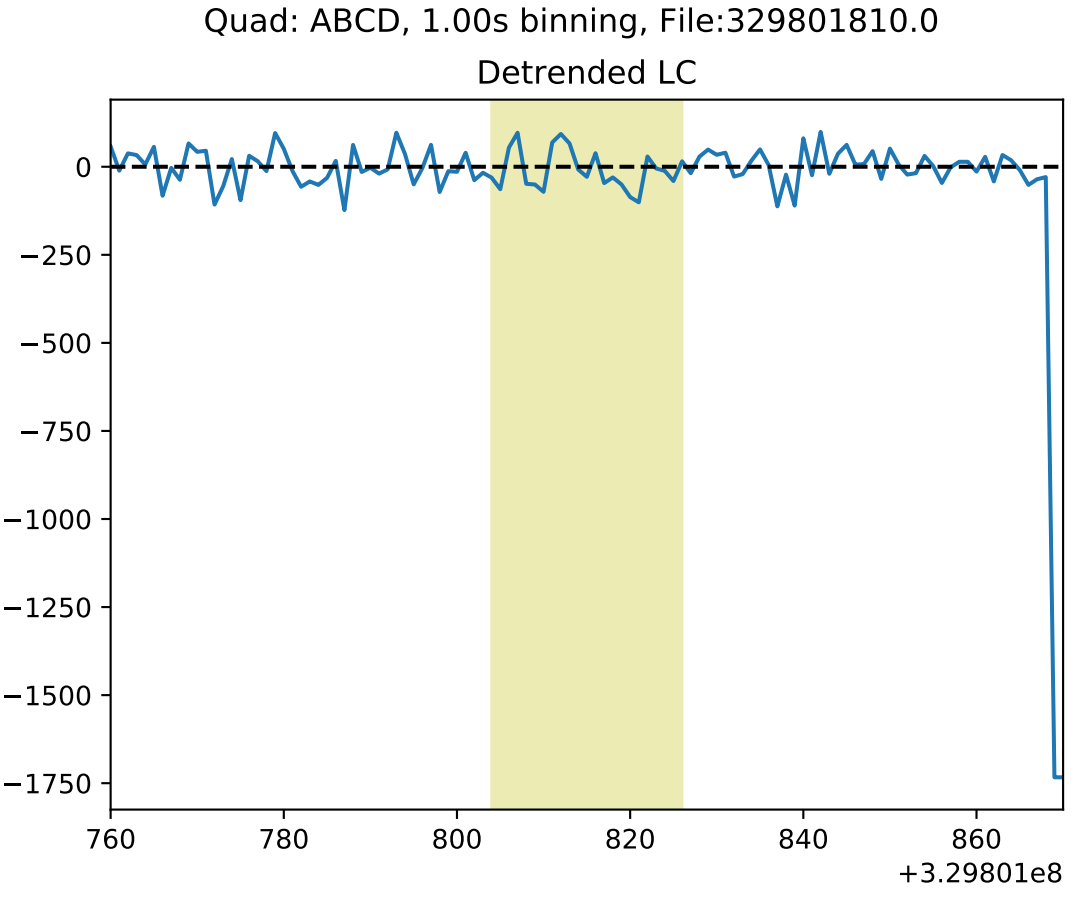

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
760
780
800
820
840
860
+3.29801e8
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
−400
Marked times
Marked times
Time (sec)
+3.29801e8
bins
50

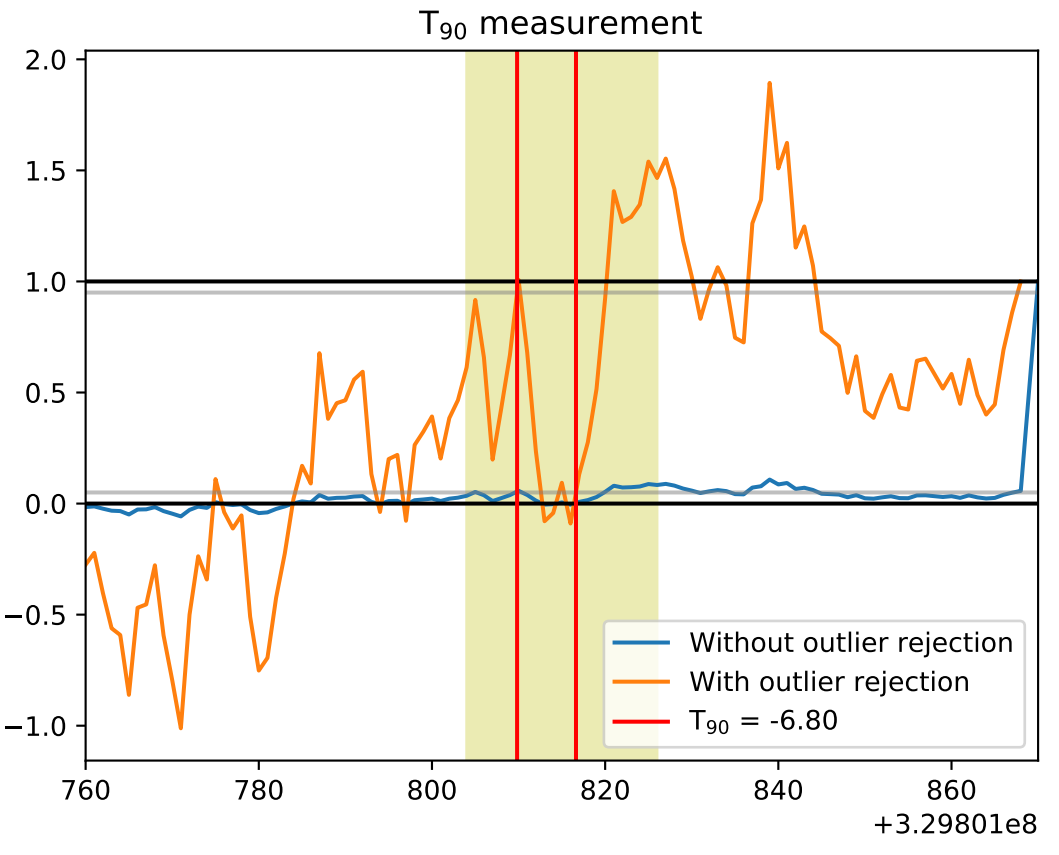

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
760
780
800
820
840
860
+3.29801e8
Strength/keV
0
10
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+3.29801e8
bins
50

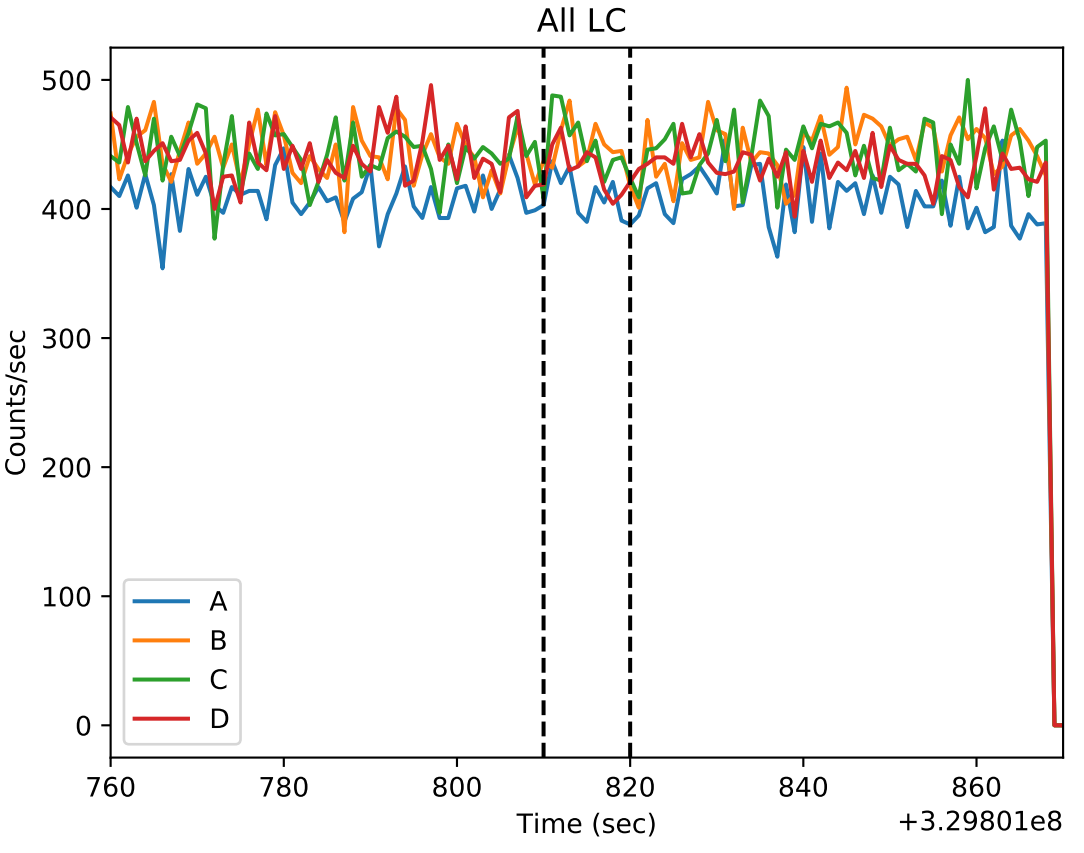

LC: Quad D
Counts/sec
600
400
200
0
−200
−400
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
760
780
800
820
840
860
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+3.29801e8


Quad: ABCD, 1.00s binning, File:329801810.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
1750
1500
1250
1000
750
500
250
0
760
780
800
820
840
860
+3.29801e8


Quad: ABCD, 1.00s binning, File:329801810.0
Ratio
Transient
Outliers
1.2
1.0
0.8
0.6
0.4
0.2
0.0
760
780
800
820
840
860
+3.29801e8


Quad: ABCD, 1.00s binning, File:329801810.0
Detrended LC
0
−250
−500
−750
−1000
−1250
−1500
−1750
760
780
800
820
840
860
+3.29801e8


Quad: ABCD, 1.00s binning, File:329801810.0
T90 measurement
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
760
780
800
820
840
860
+3.29801e8
Without outlier rejection
With outlier rejection
T90 = -6.80


All LC
Counts/sec
500
400
300
200
100
0
760
780
800
820
840
860
Time (sec)
+3.29801e8
A
B
C
D