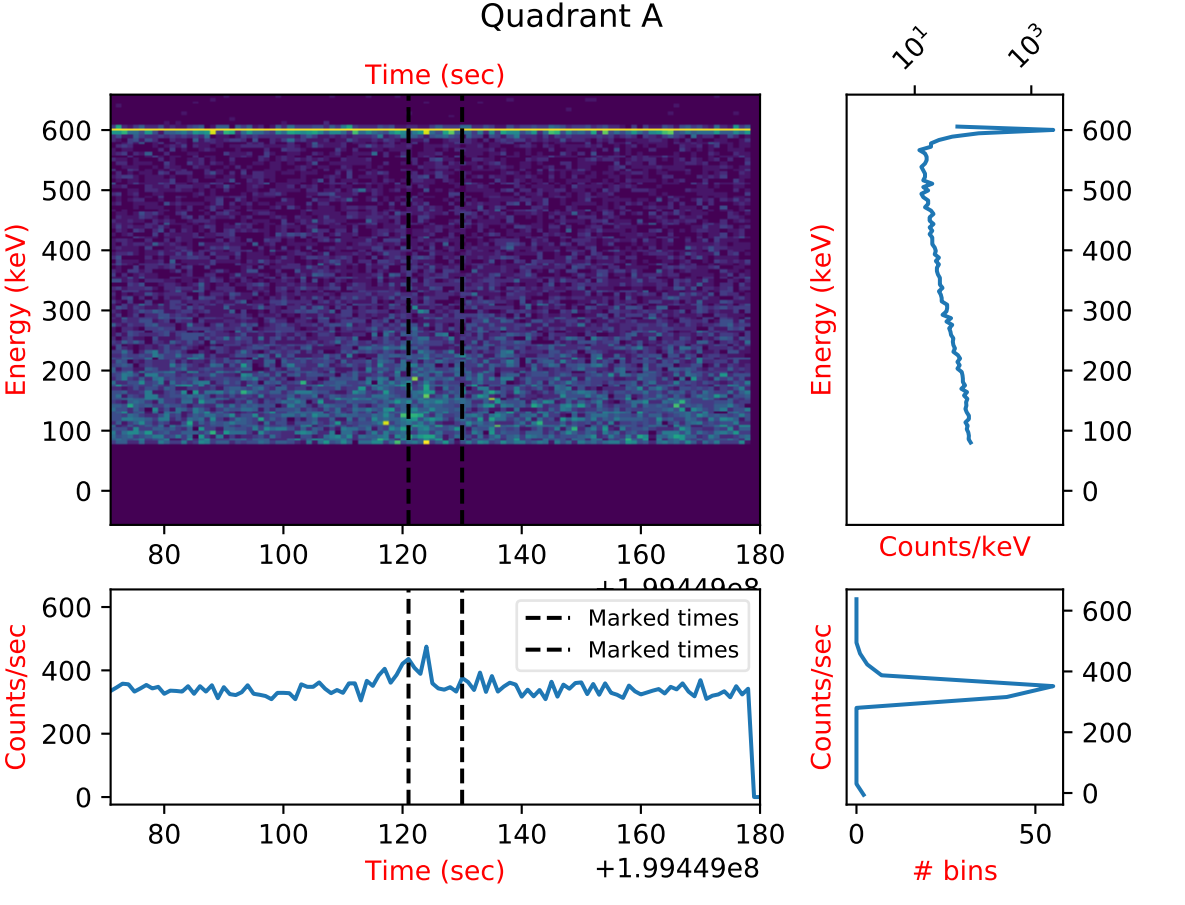
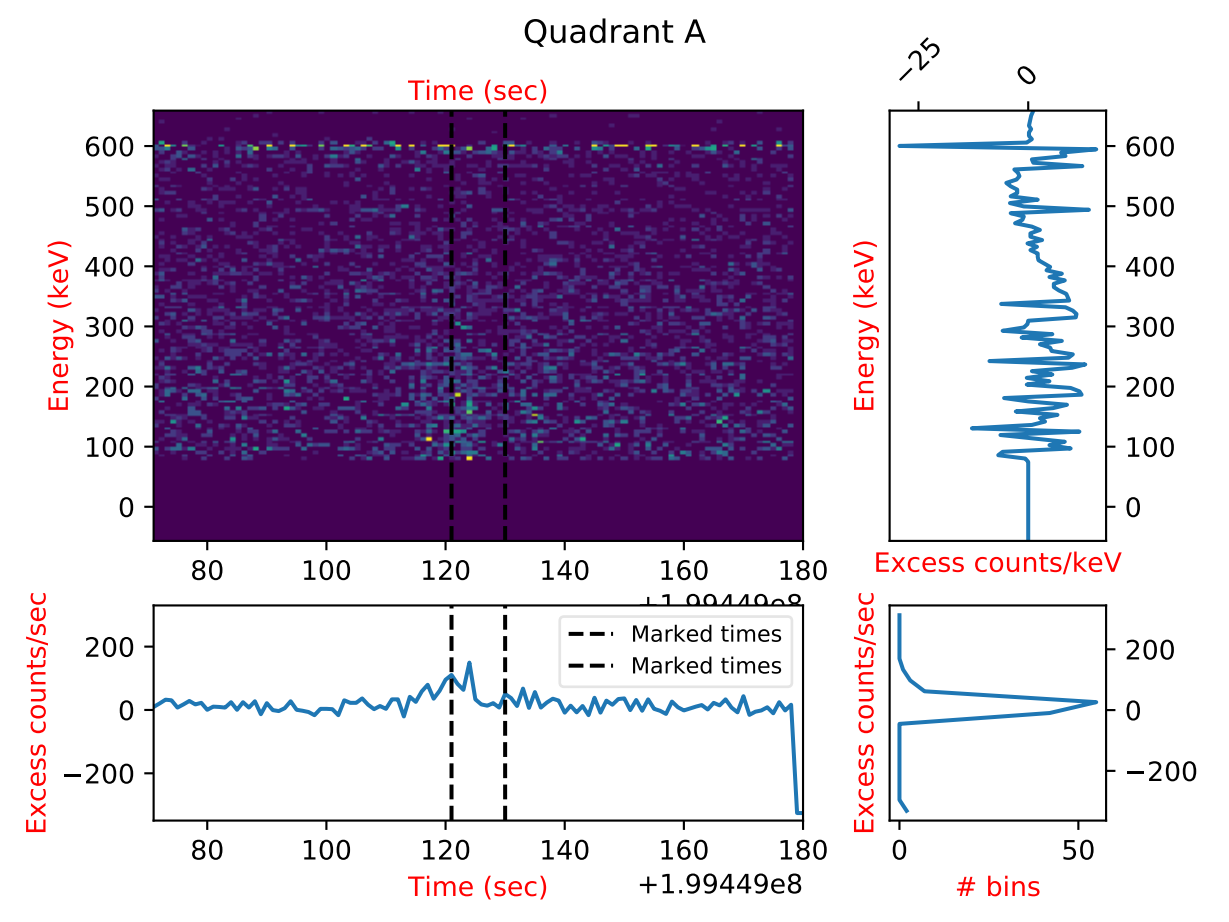
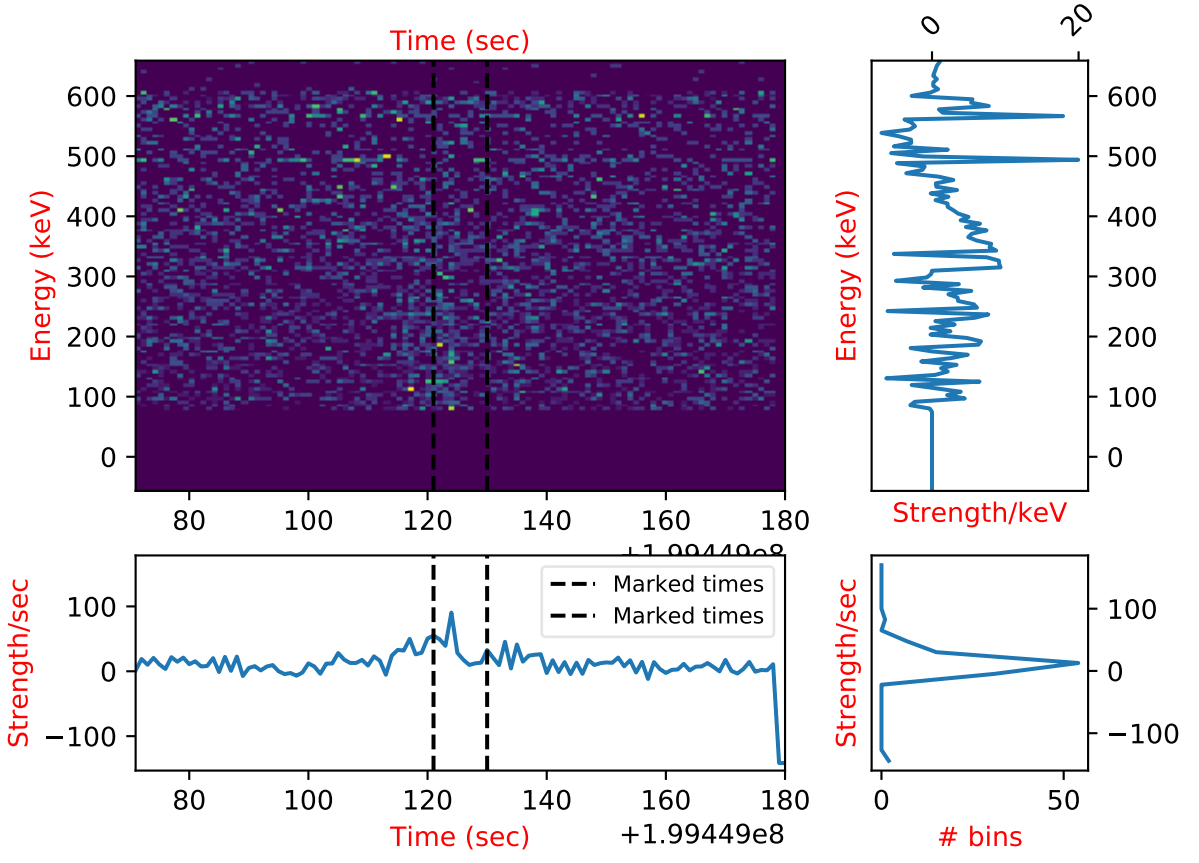
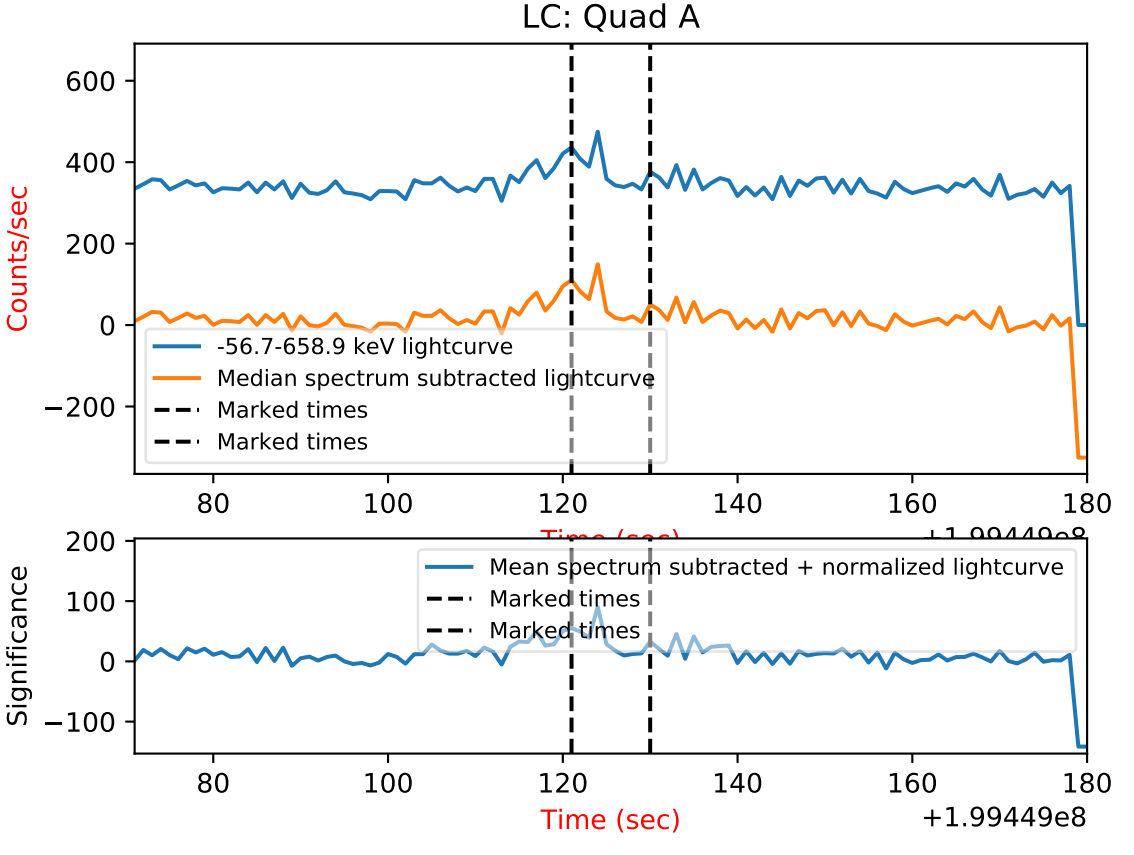
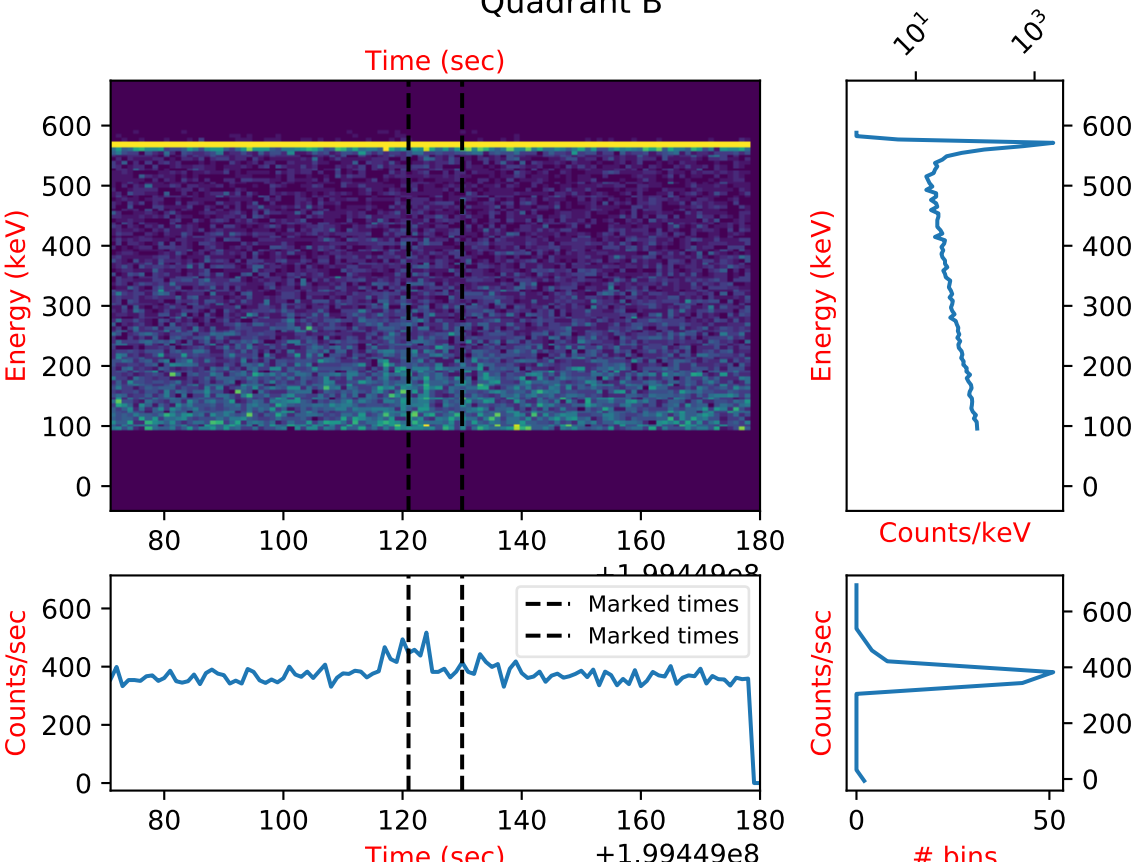
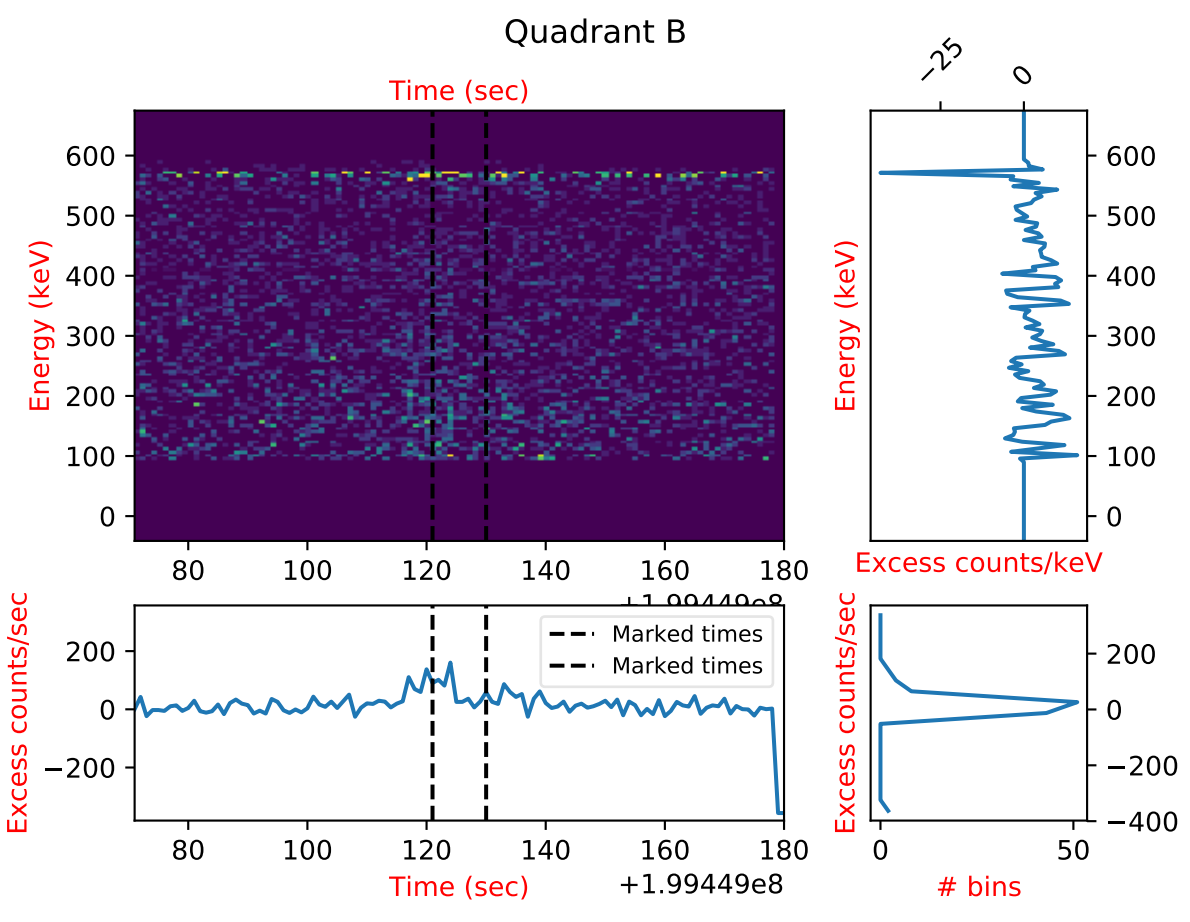

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
10^1
10^3
Counts/keV
Marked times
Marked times
Counts/sec
+1.99449e8
bins
50

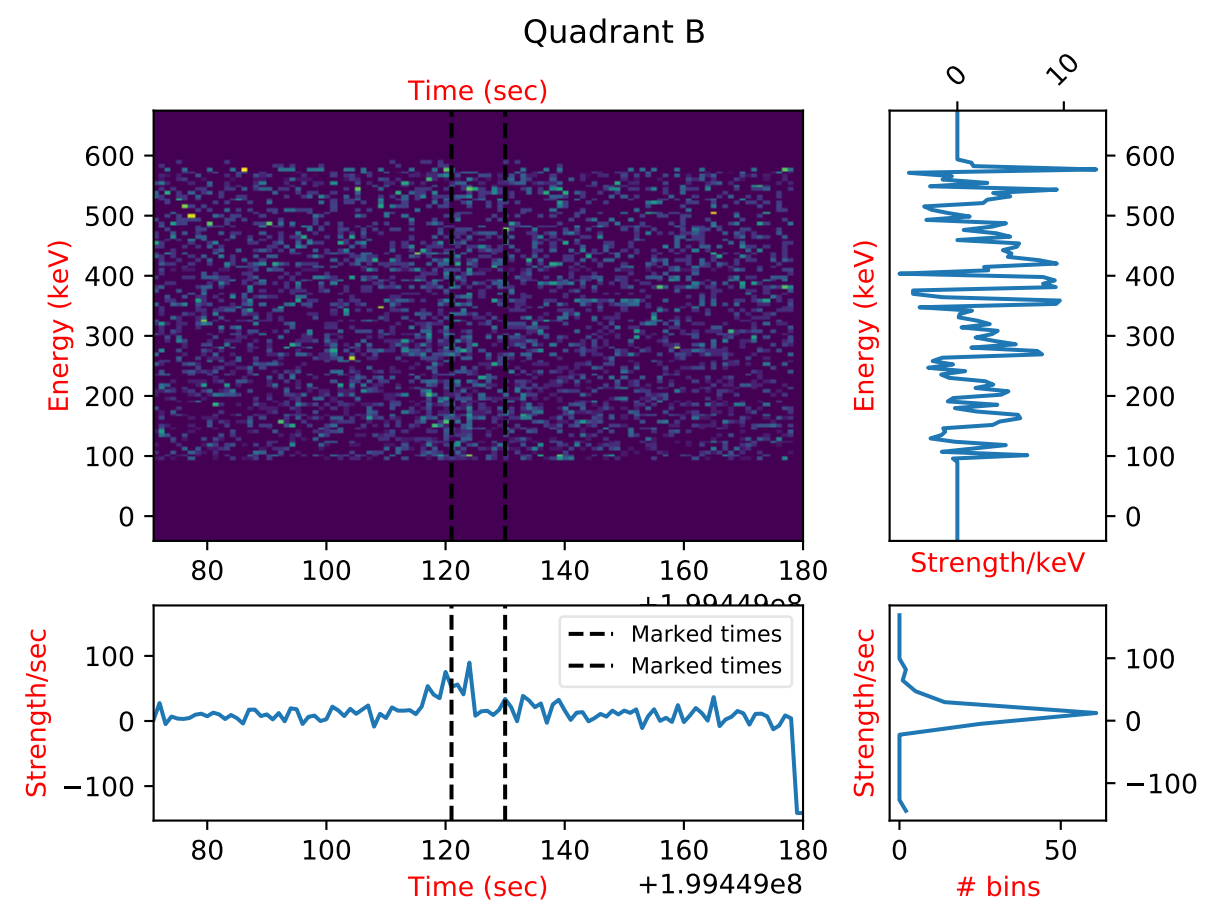

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+1.99449e8
bins
50

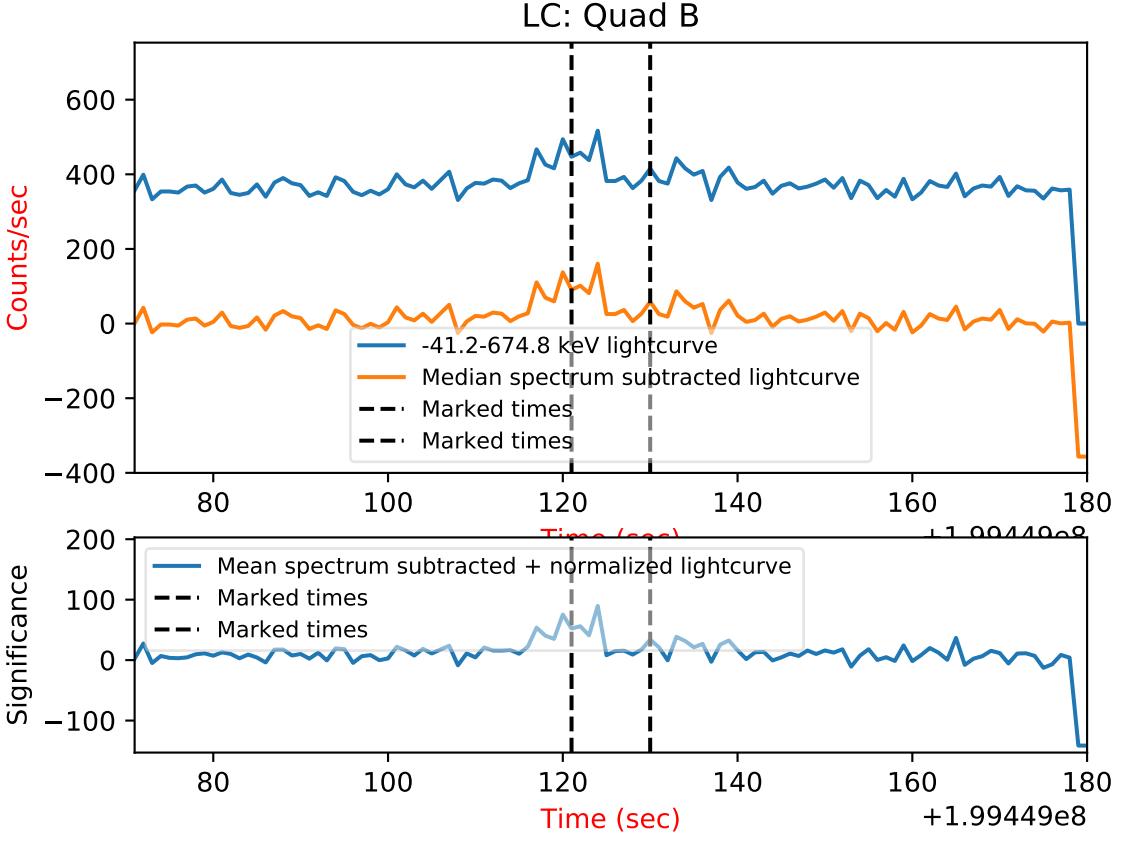

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
0
20
Strength/keV
Strength/sec
Marked times
Marked times
−100
+1.99449e8
bins
50

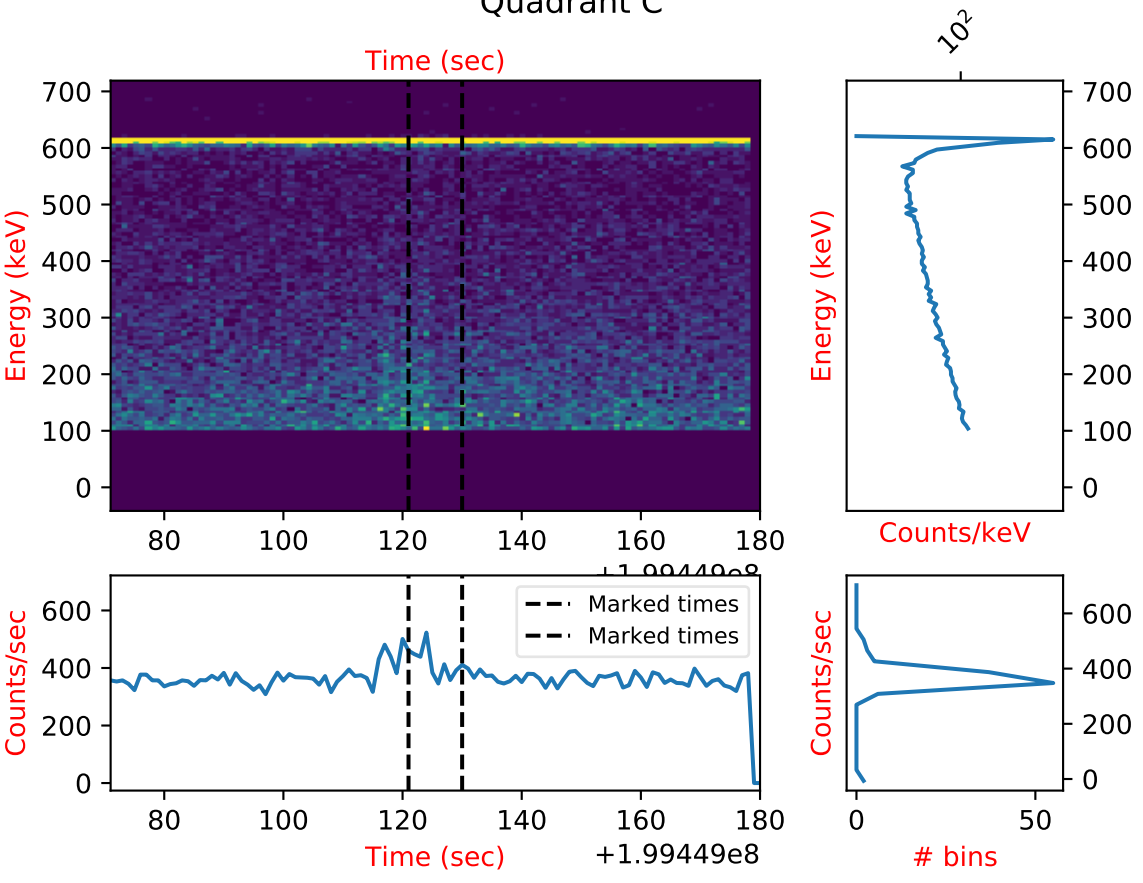

LC: Quad A
Counts/sec
600
400
200
0
−200
-56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
80
100
120
140
160
180
Significance
200
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+1.99449e8

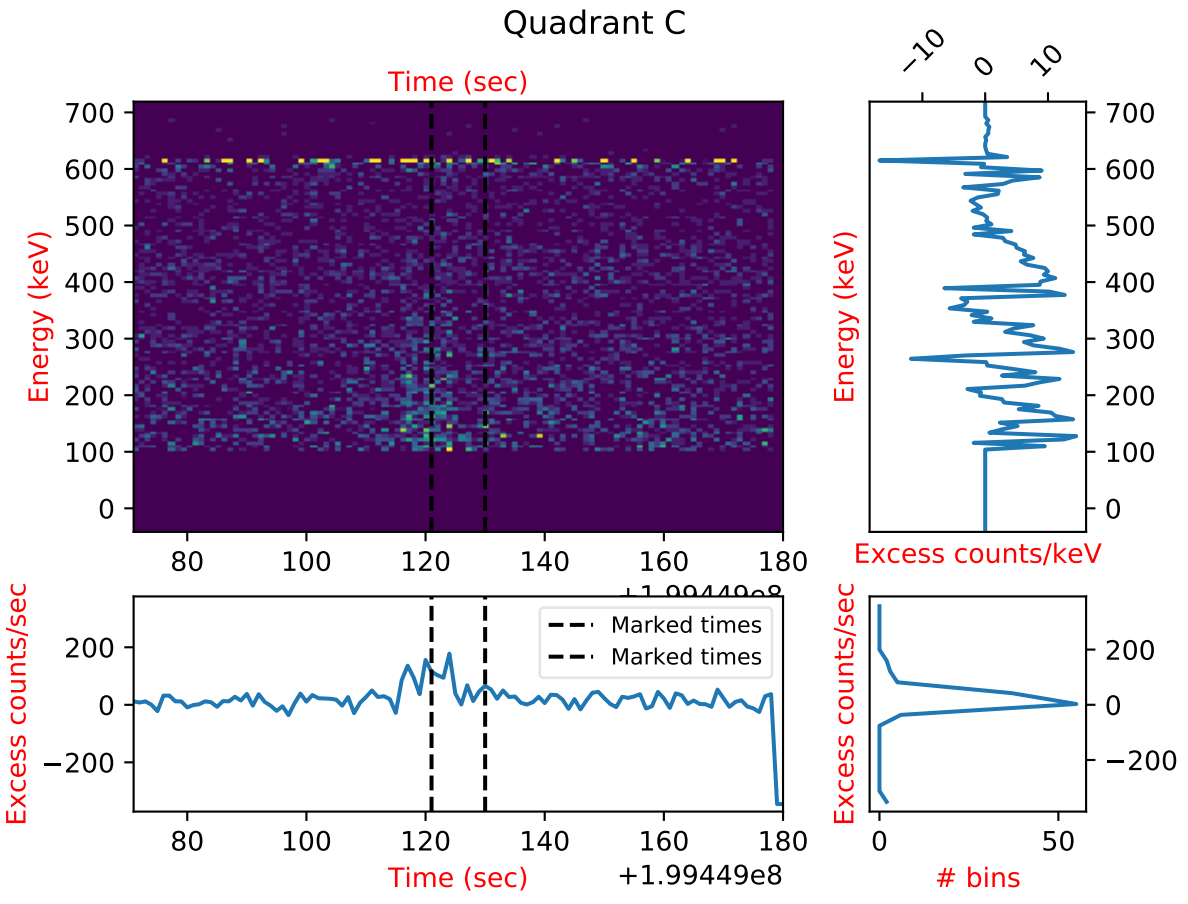

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
10^1
10^3
Counts/keV
Marked times
Marked times
Counts/sec
+1.99449e8
bins
50

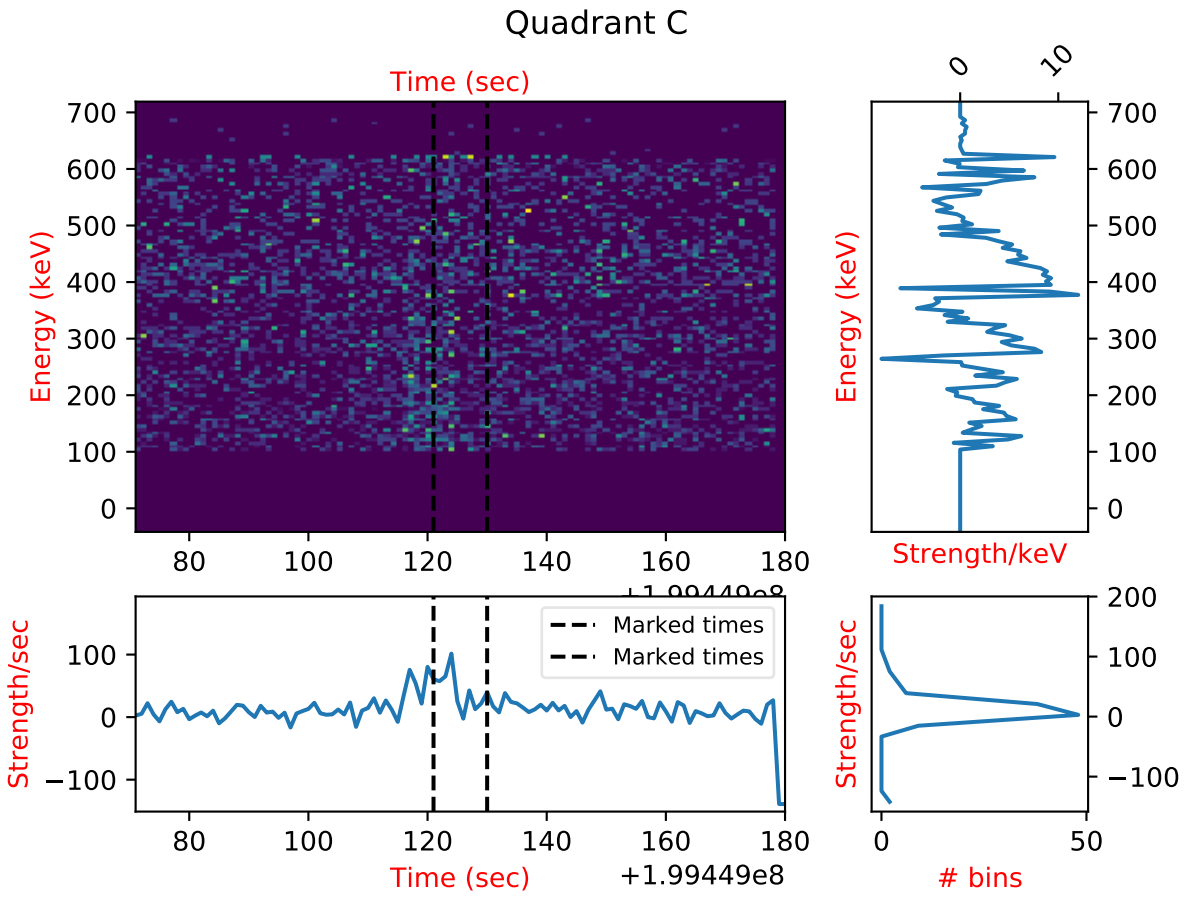

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+1.99449e8
−400
50
bins

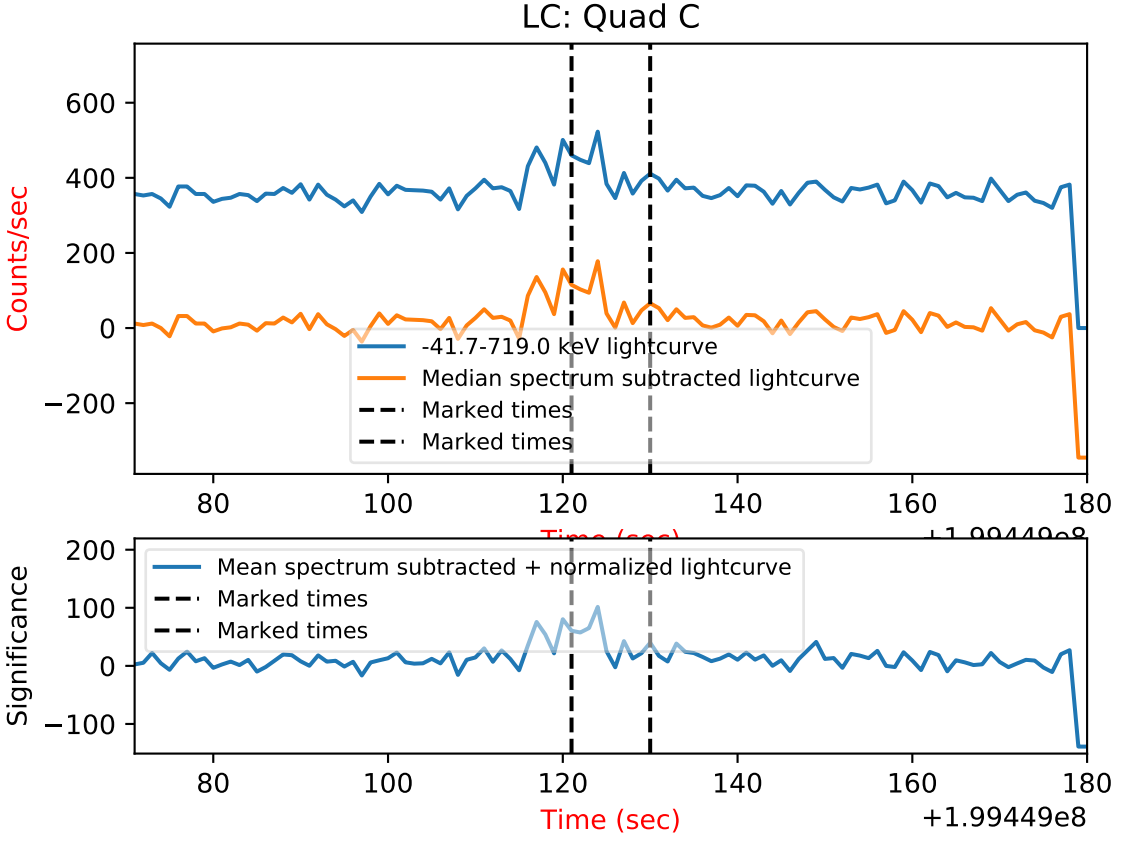

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
0
10
Strength/keV
Strength/sec
Marked times
Marked times
−100
+1.99449e8
bins
50

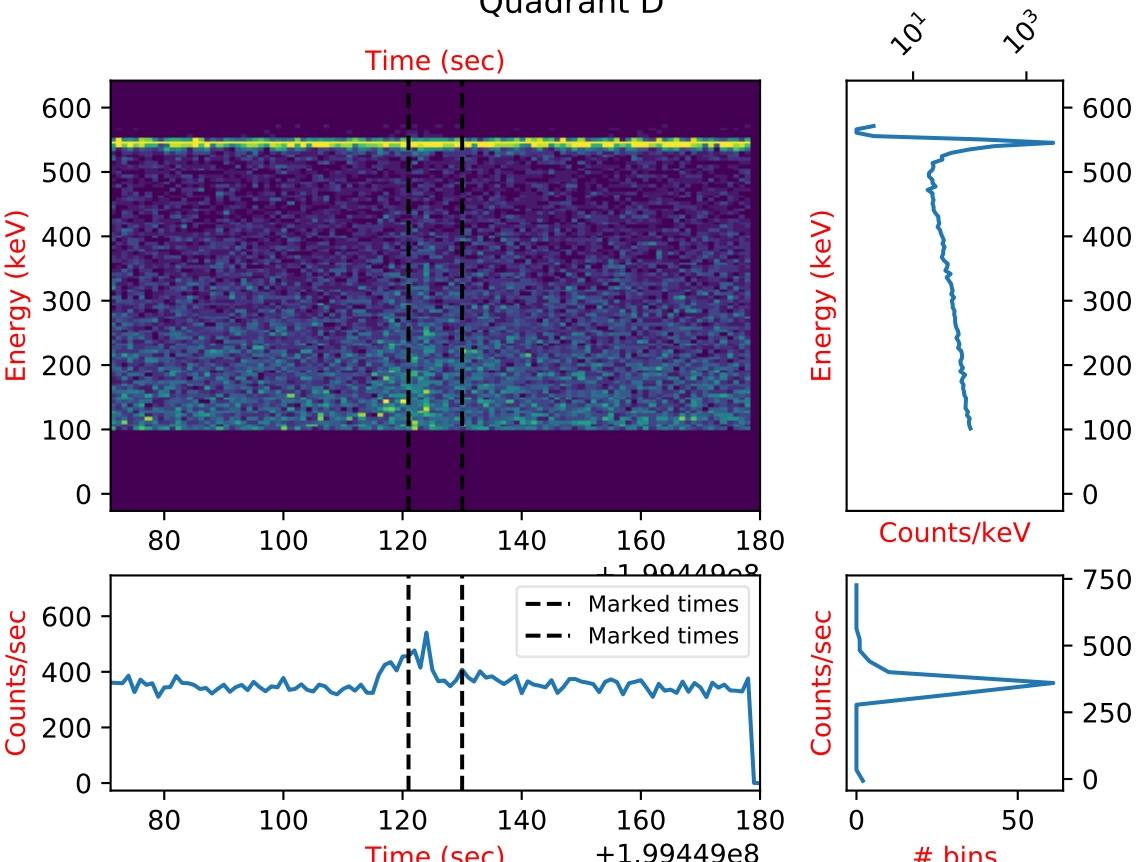

LC: Quad B
Counts/sec
600
400
200
0
−200
−400
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
80
100
120
140
160
180
Time (sec)
+1.99449e8
Significance
200
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
80
100
120
140
160
180
Time (sec)
+1.99449e8

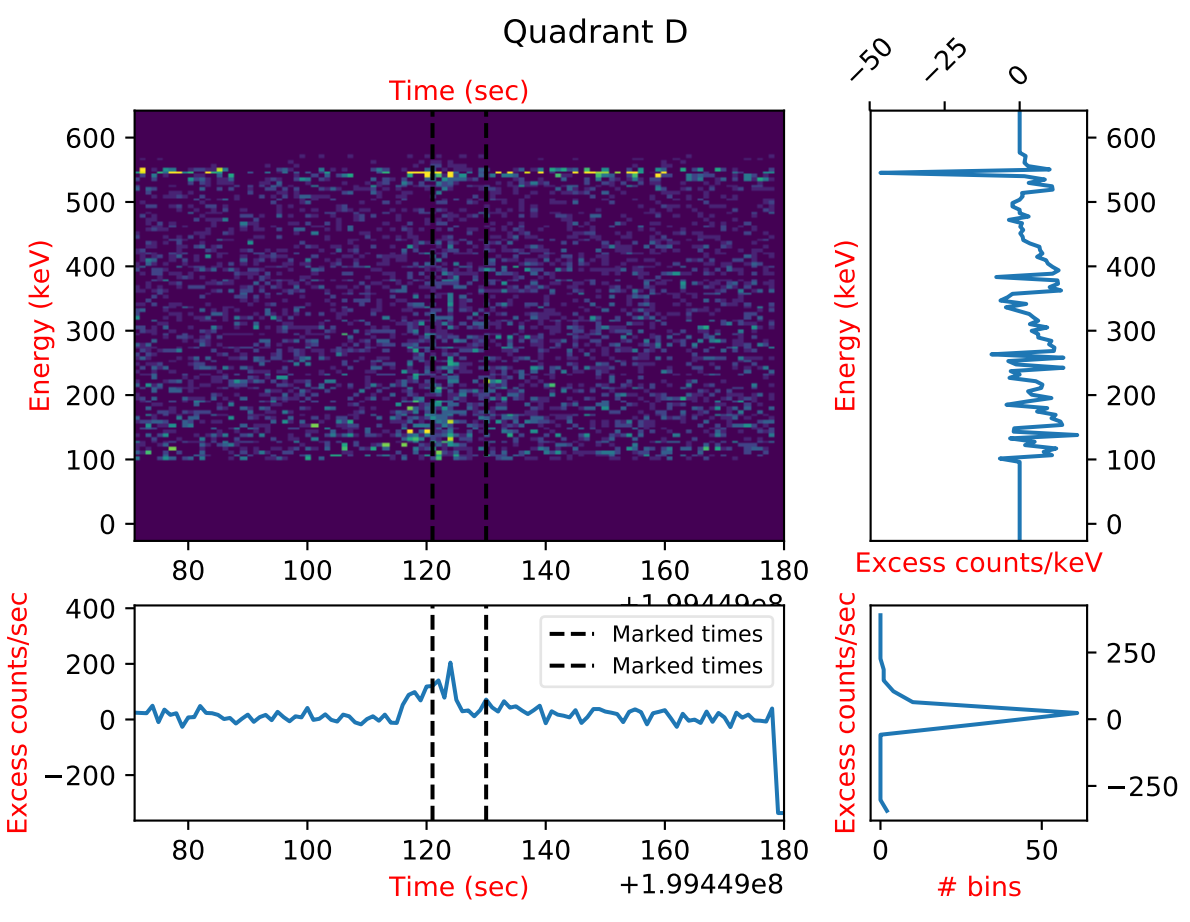

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
80
100
120
140
160
180
10^2
Counts/keV
Counts/sec
Marked times
Marked times
+1.99449e8
bins
50

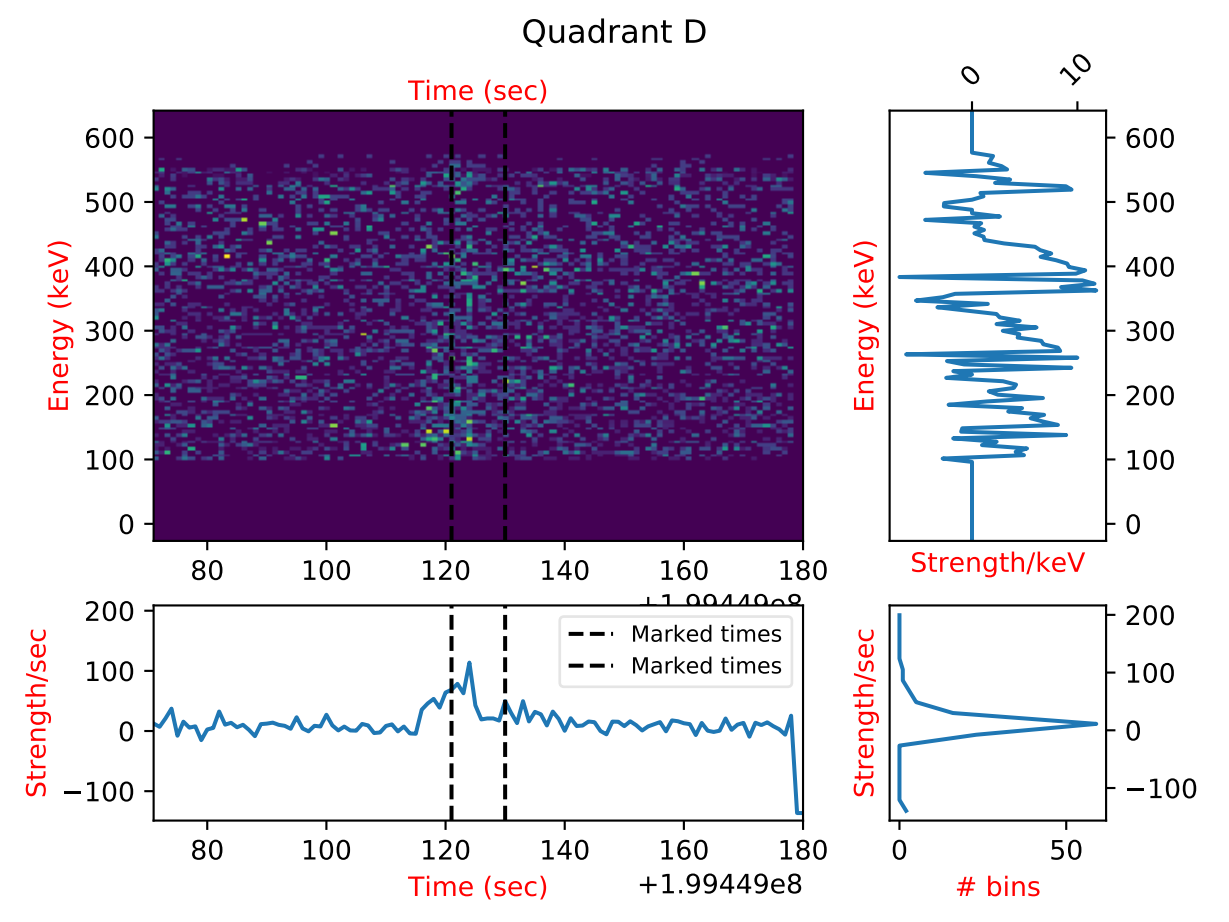

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
80
100
120
140
160
180
−10
0
10
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+1.99449e8
bins
50

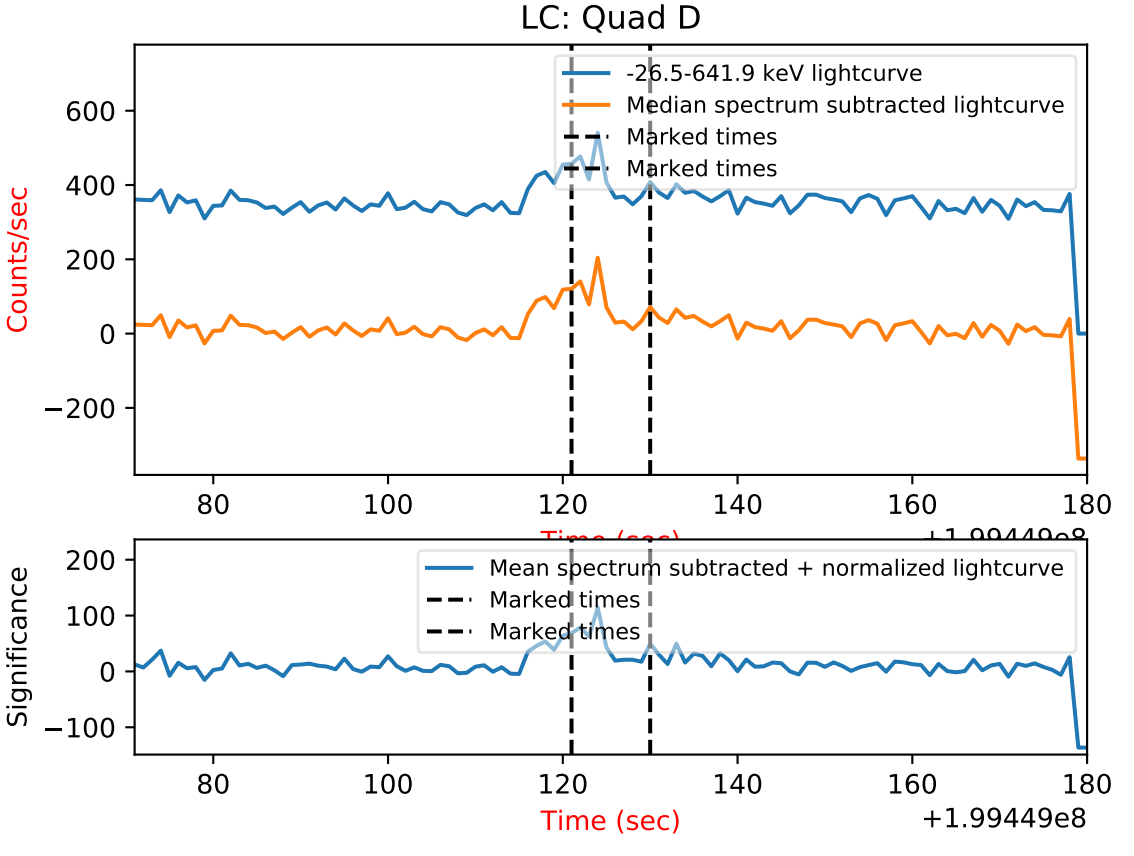

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
80
100
120
140
160
180
+1.99449e8
0
10
Strength/keV
Strength/sec
Marked times
Marked times
200
−100
bins
50

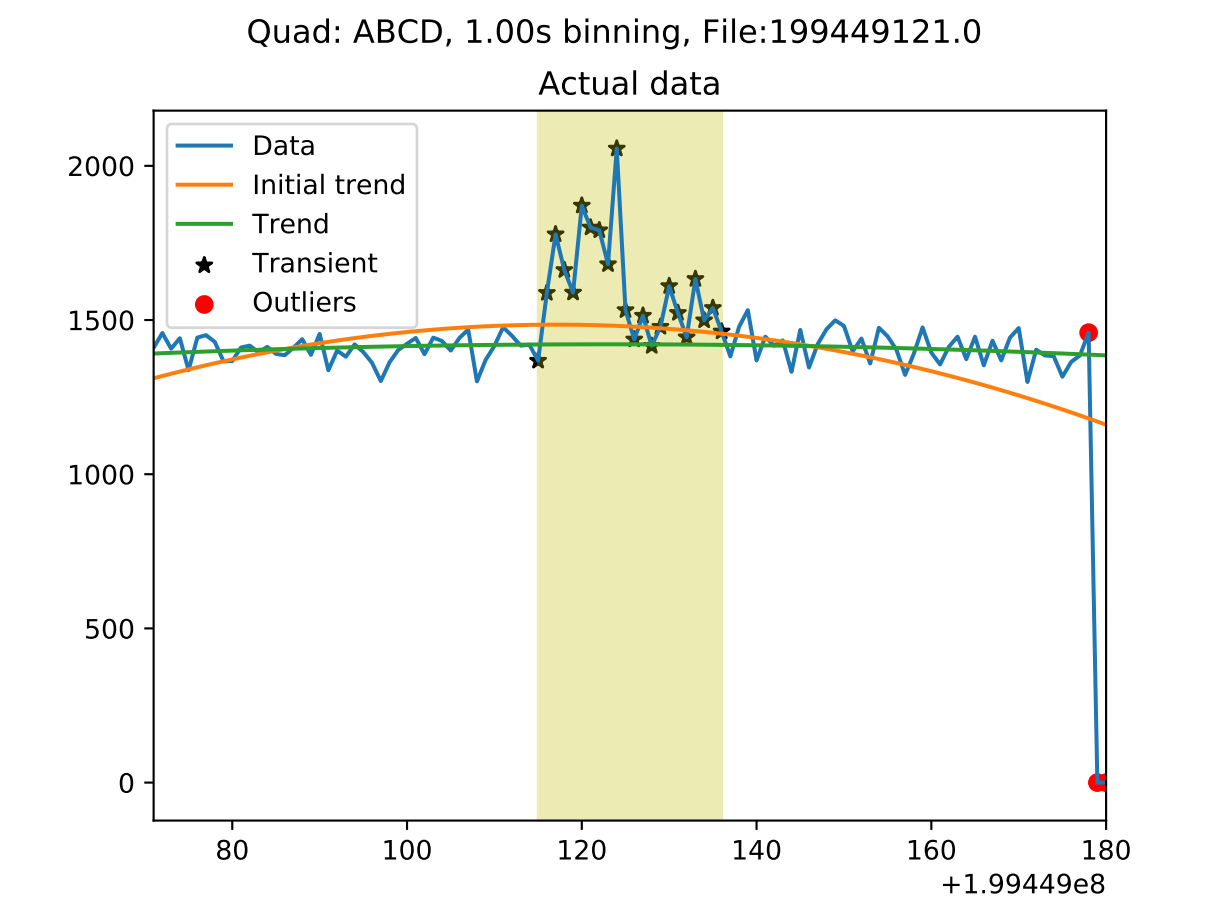

LC: Quad C
Counts/sec
600
400
200
0
−200
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
80
100
120
140
160
180
Significance
200
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+1.99449e8

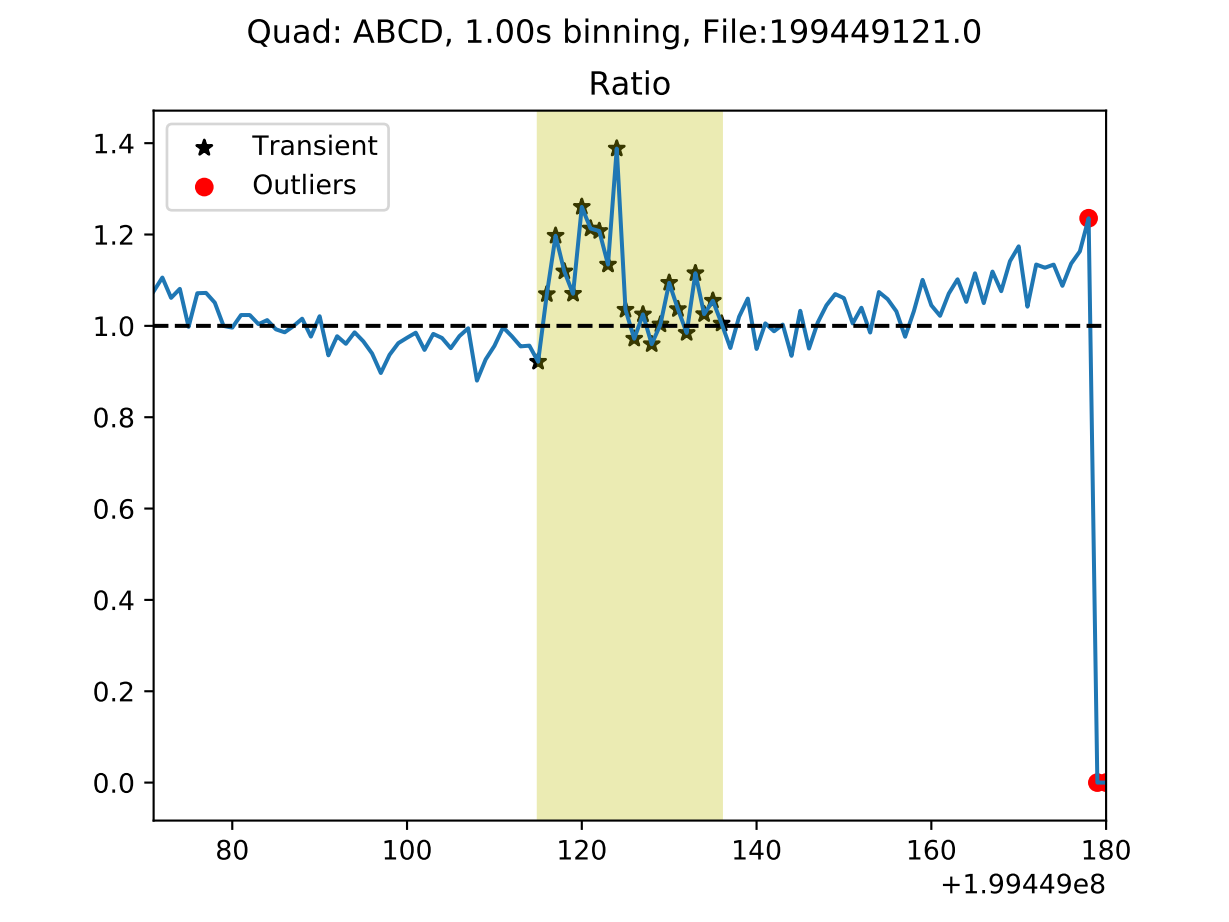

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
750
250
50
bins
+1.99449e8

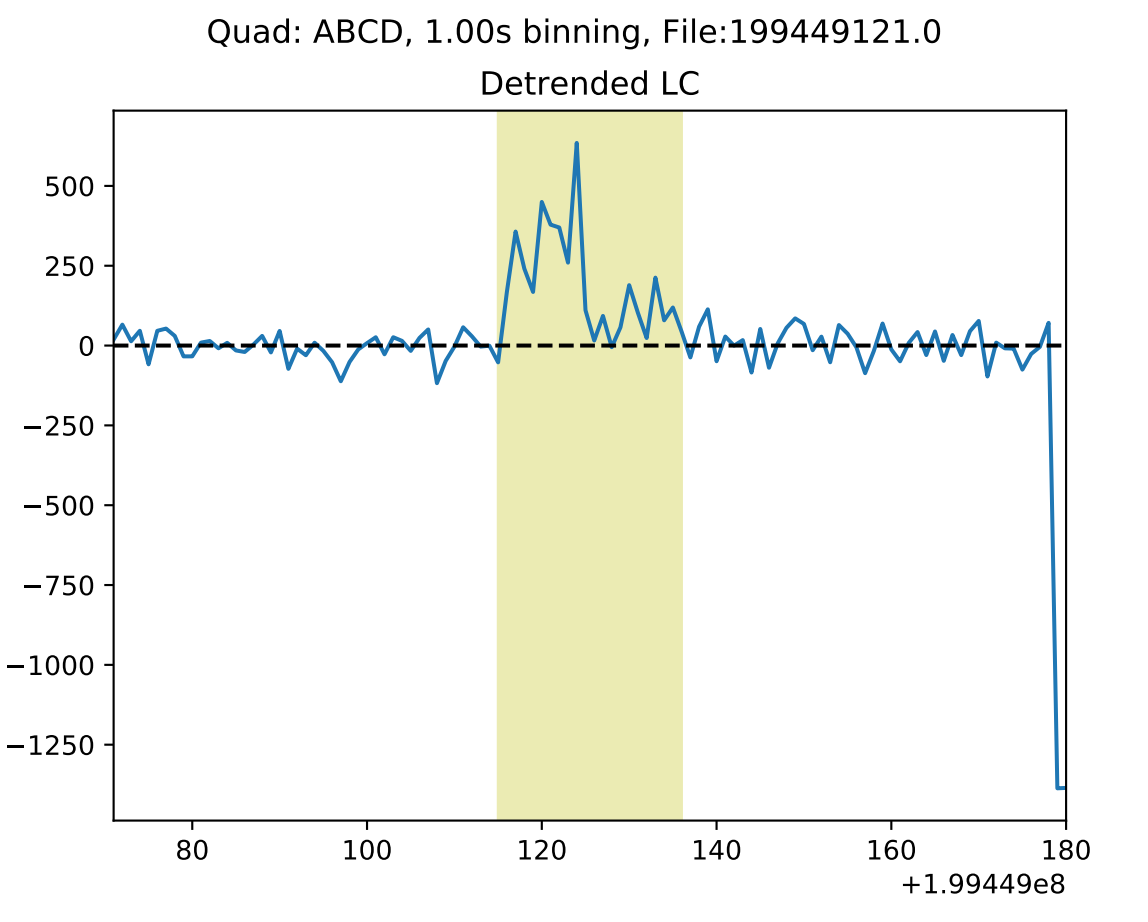

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
−50
−25
0
Excess counts/keV
Excess counts/sec
400
200
0
−200
Marked times
Marked times
+1.99449e8
250
−250
bins
50

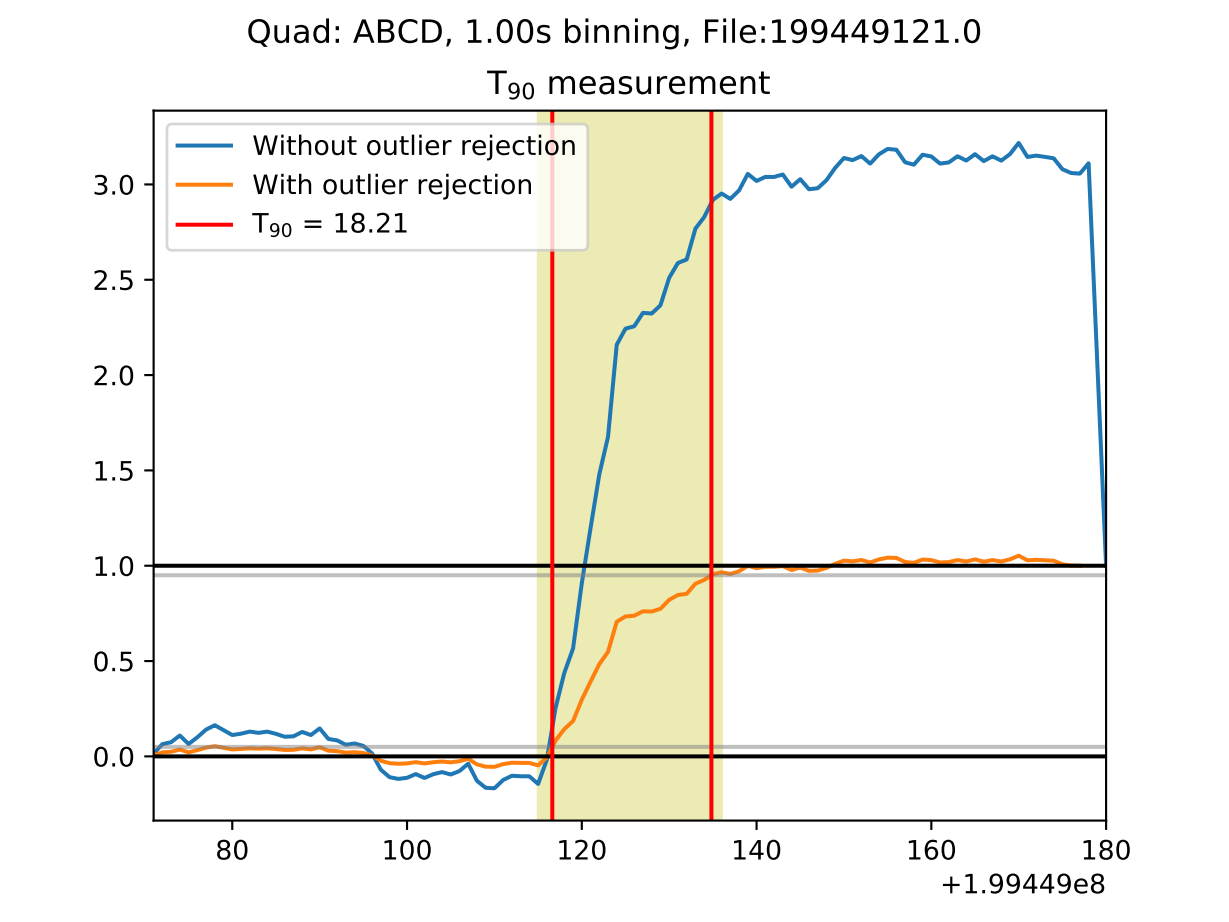

Quadrant D
Time (sec)
Energy (keV)
0
10
Strength/keV
Strength/sec
Marked times
Marked times
Time (sec)
+1.99449e8
bins

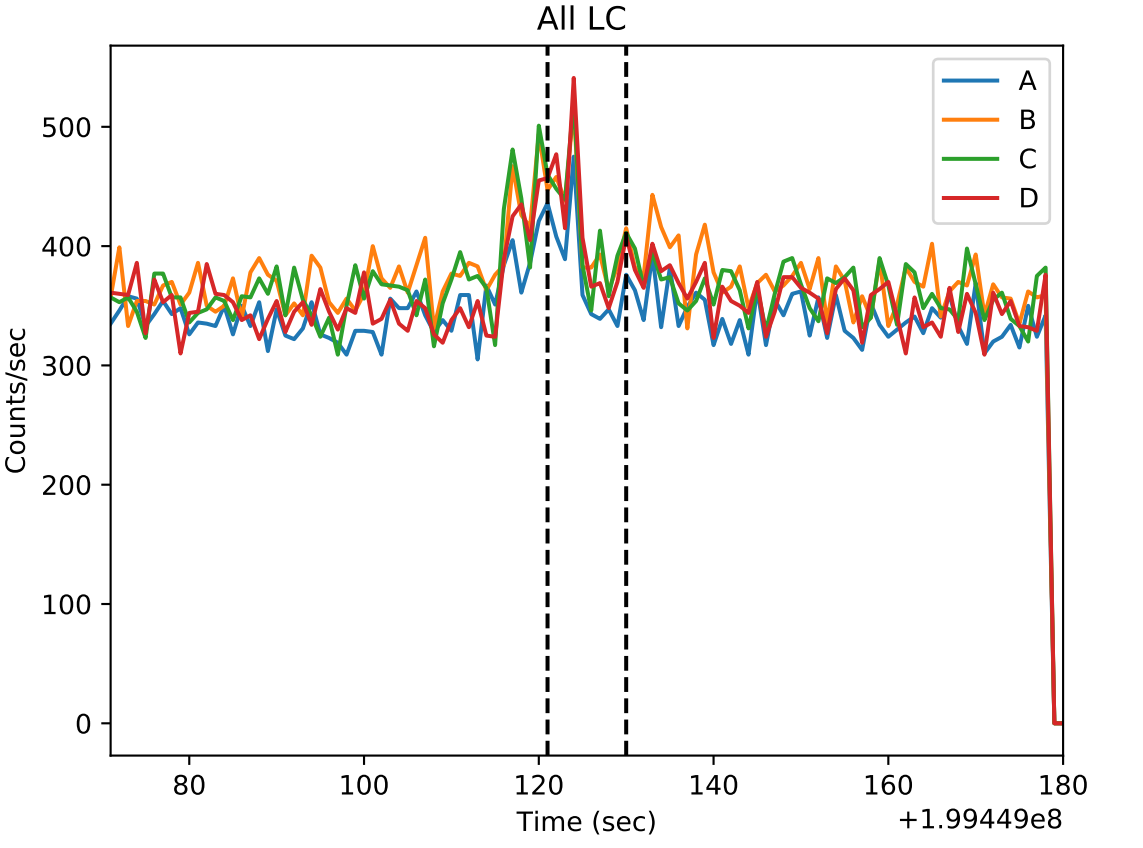

LC: Quad D
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
600
400
200
0
−200
80
100
120
140
160
180
+1.99449e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
200
100
0
−100
Time (sec)
+1.99449e8


Quad: ABCD, 1.00s binning, File:199449121.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
2000
1500
1000
500
0
80
100
120
140
160
180
+1.99449e8


Quad: ABCD, 1.00s binning, File:199449121.0
Ratio
Transient
Outliers
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
80
100
120
140
160
180
+1.99449e8


Quad: ABCD, 1.00s binning, File:199449121.0
Detrended LC
500
250
0
−250
−500
−750
−1000
−1250
80
100
120
140
160
180
+1.99449e8


Quad: ABCD, 1.00s binning, File:199449121.0
T90 measurement
Without outlier rejection
With outlier rejection
T90 = 18.21
3.0
2.5
2.0
1.5
1.0
0.5
0.0
80
100
120
140
160
180
+1.99449e8


All LC
A
B
C
D
500
400
300
200
100
0
Counts/sec
80
100
120
140
160
180
Time (sec)
+1.99449e8