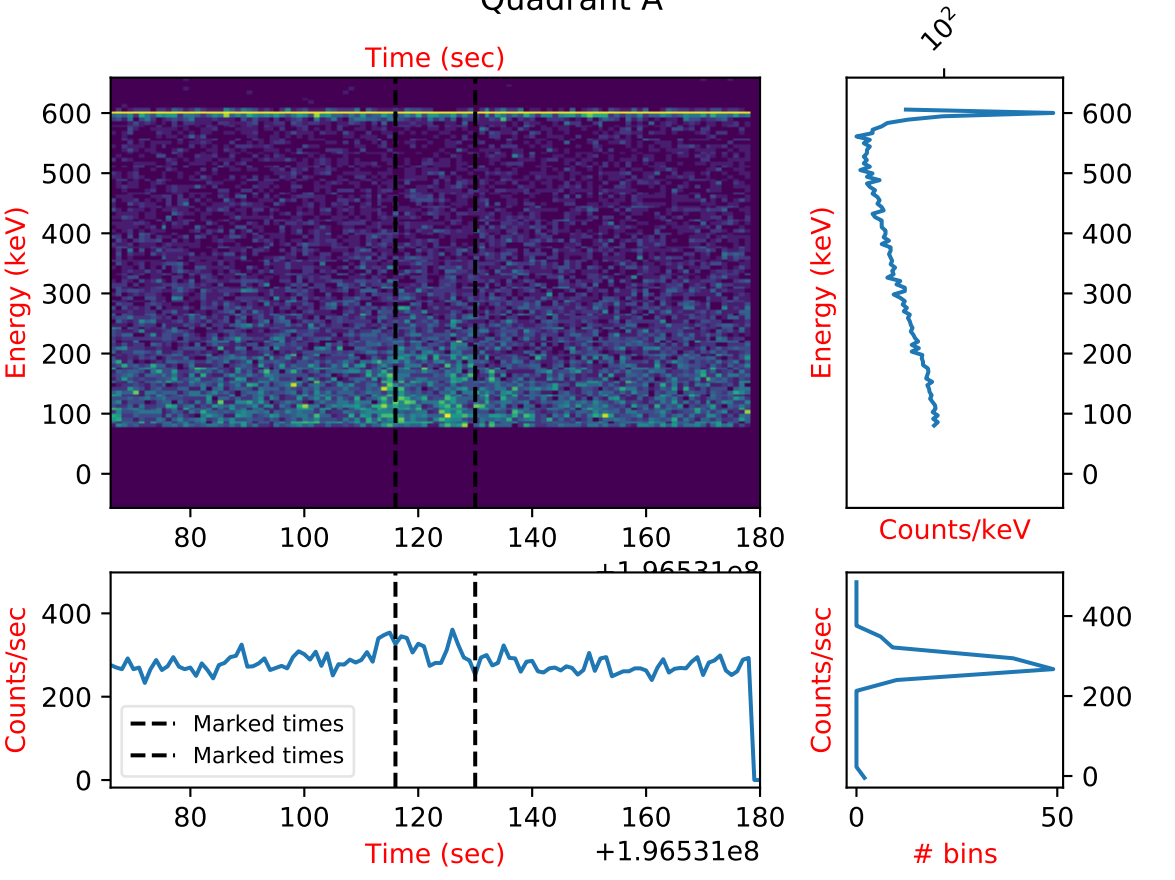
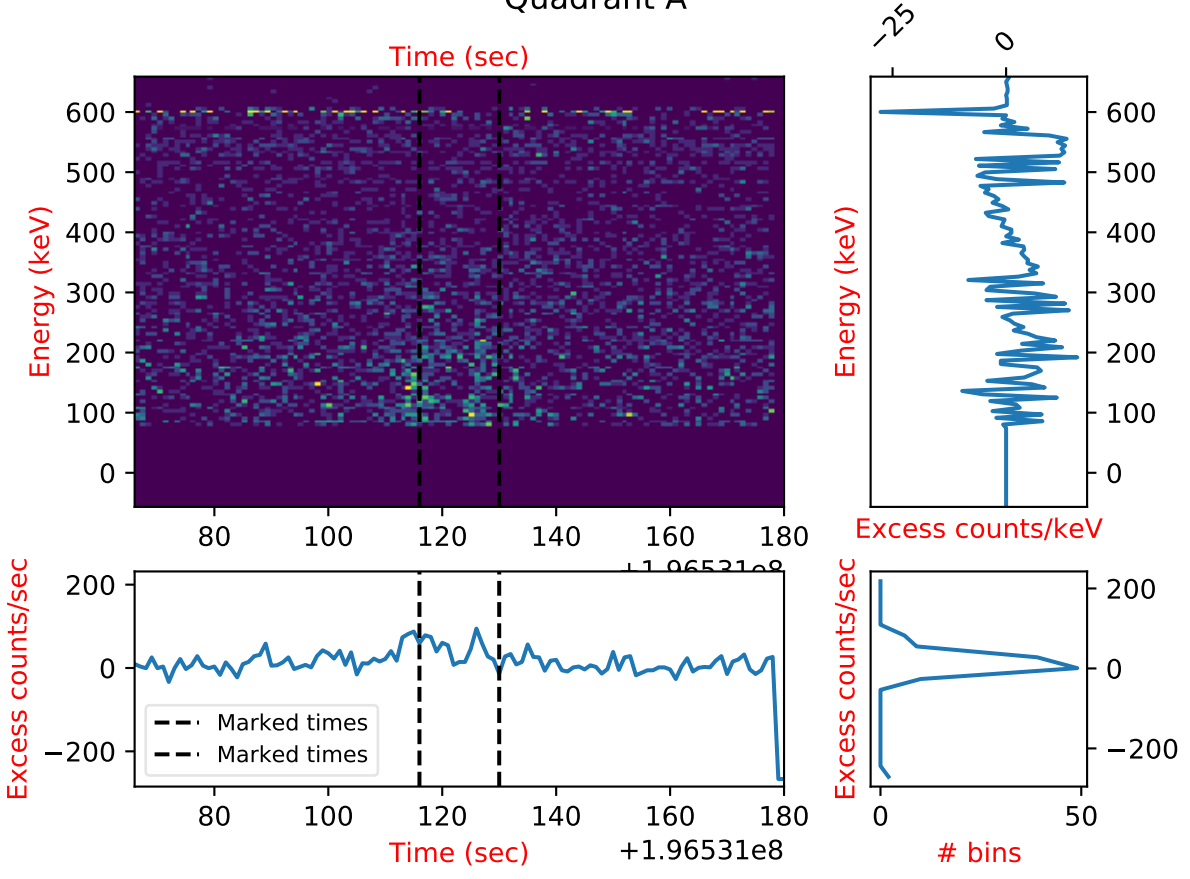
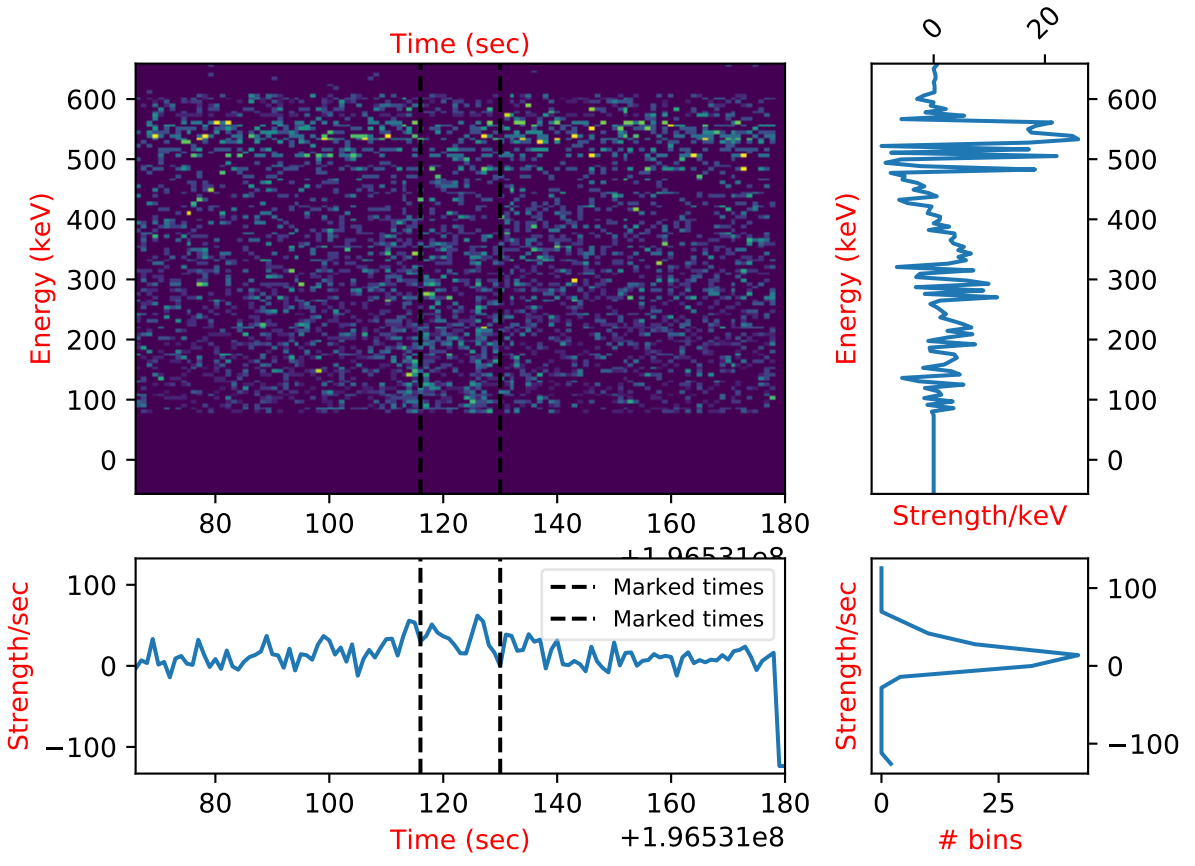
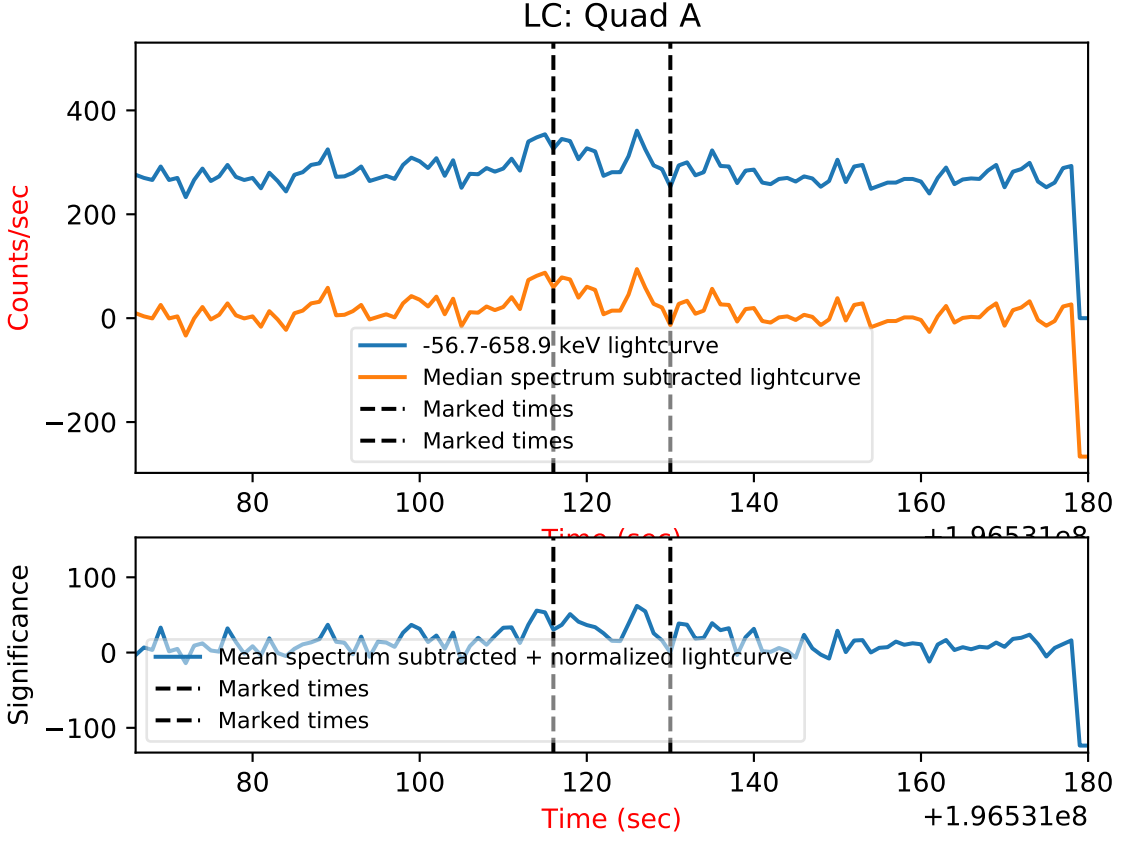
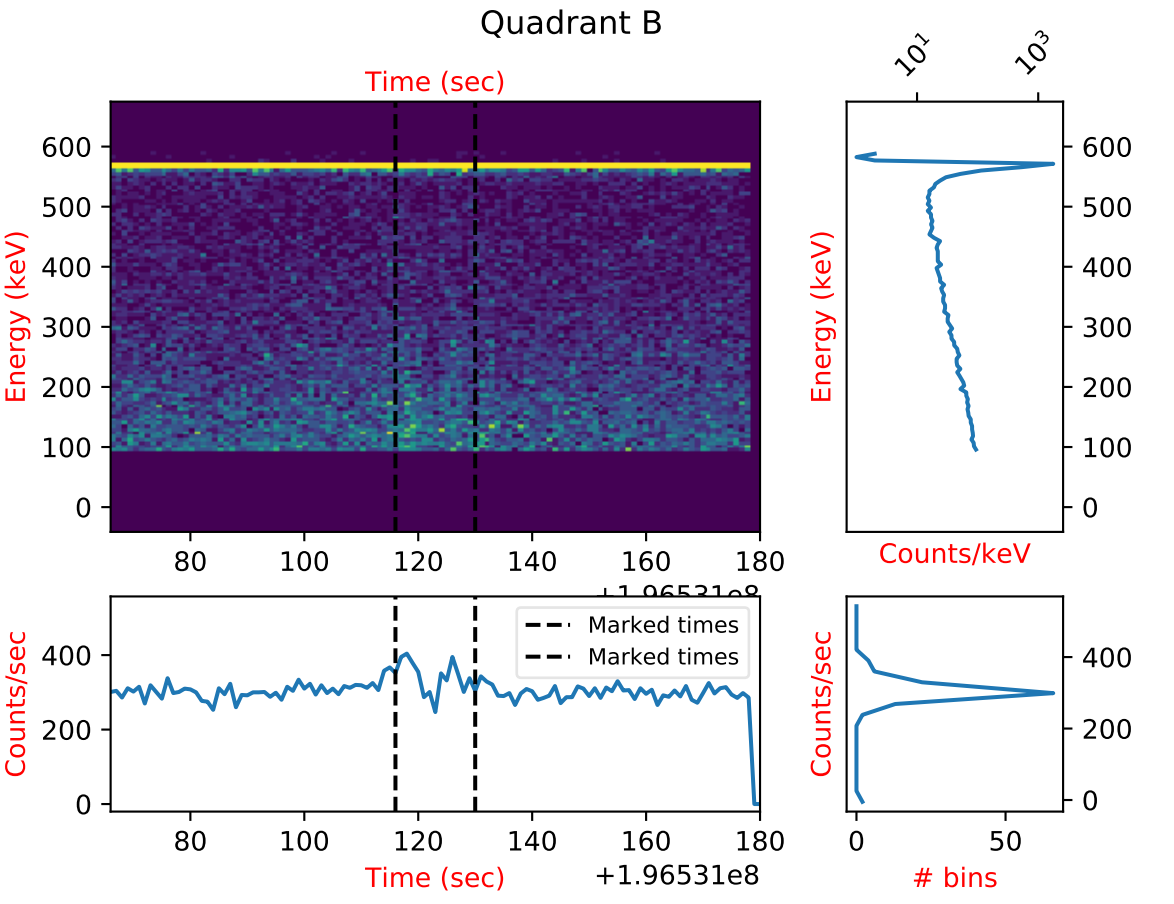
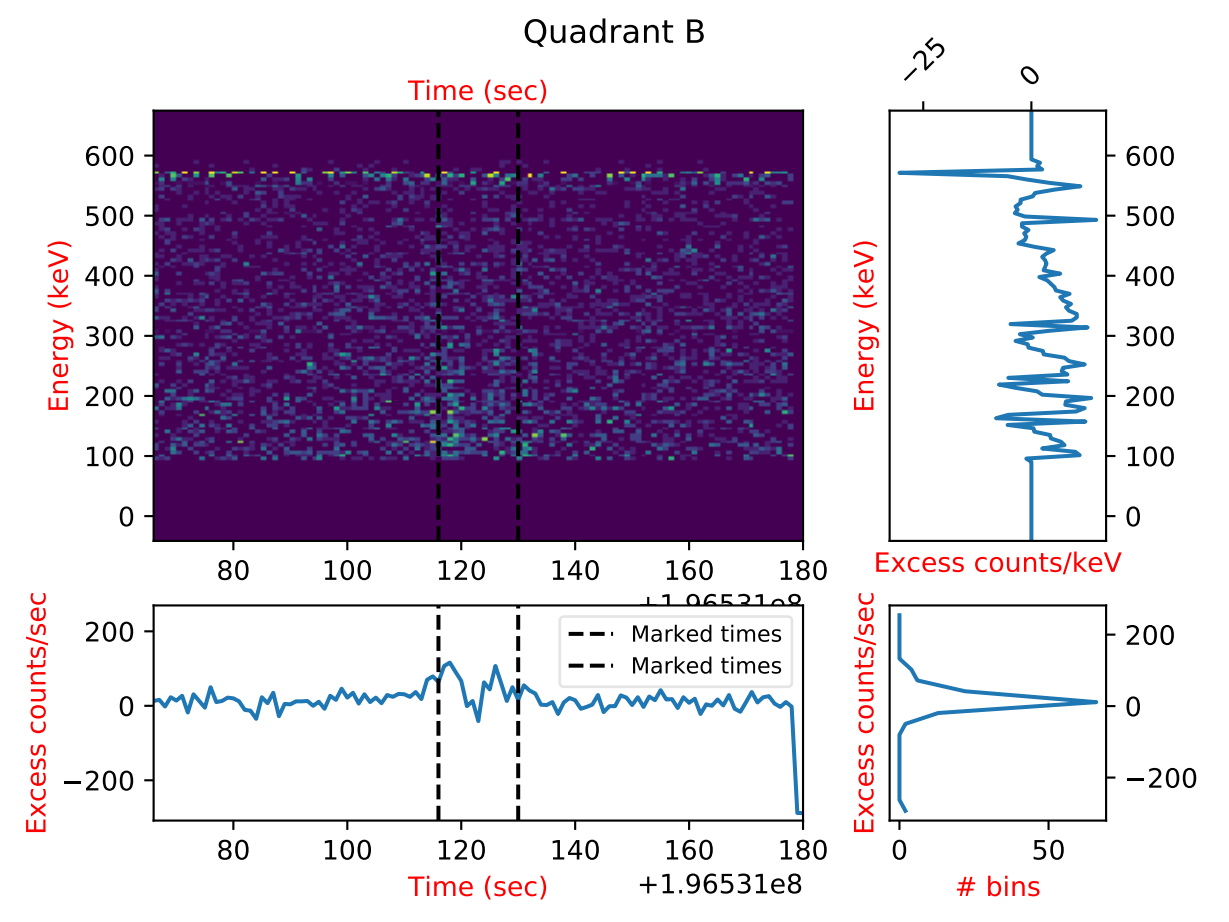

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
10^2
Counts/keV
Counts/sec
400
200
0
Marked times
Marked times
+1.96531e8
50
bins

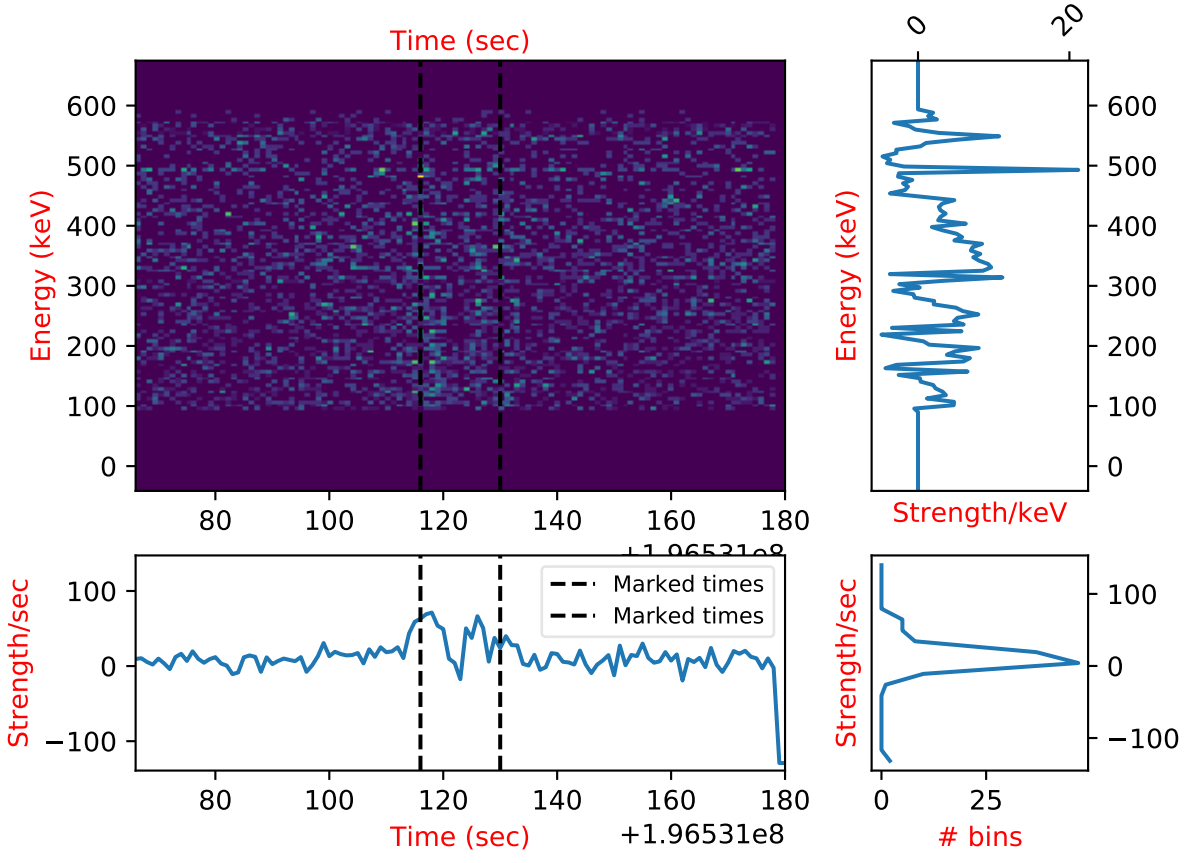

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+1.96531e8
bins
50

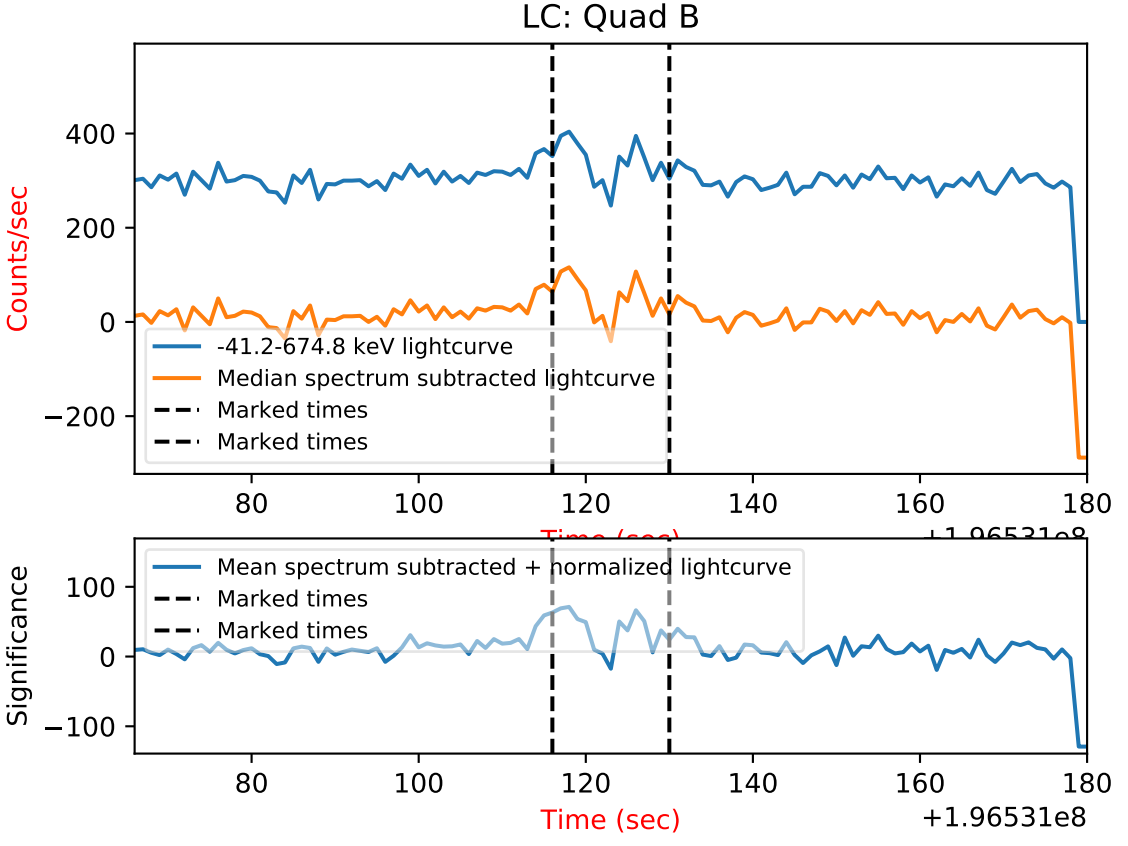

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
0
20
Strength/keV
Strength/sec
Marked times
Marked times
−100
+1.96531e8
bins
25

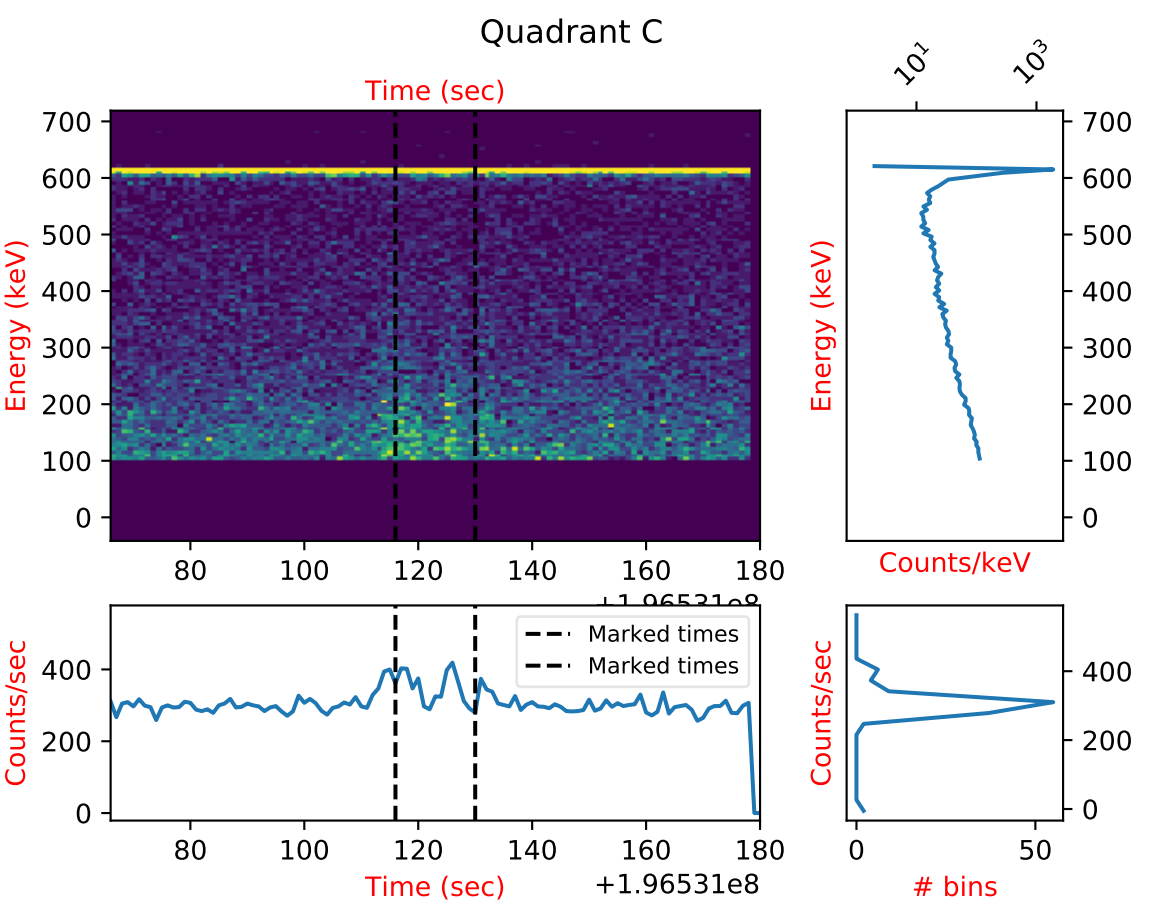

LC: Quad A
Counts/sec
400
200
0
−200
-56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
80
100
120
140
160
180
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+1.96531e8

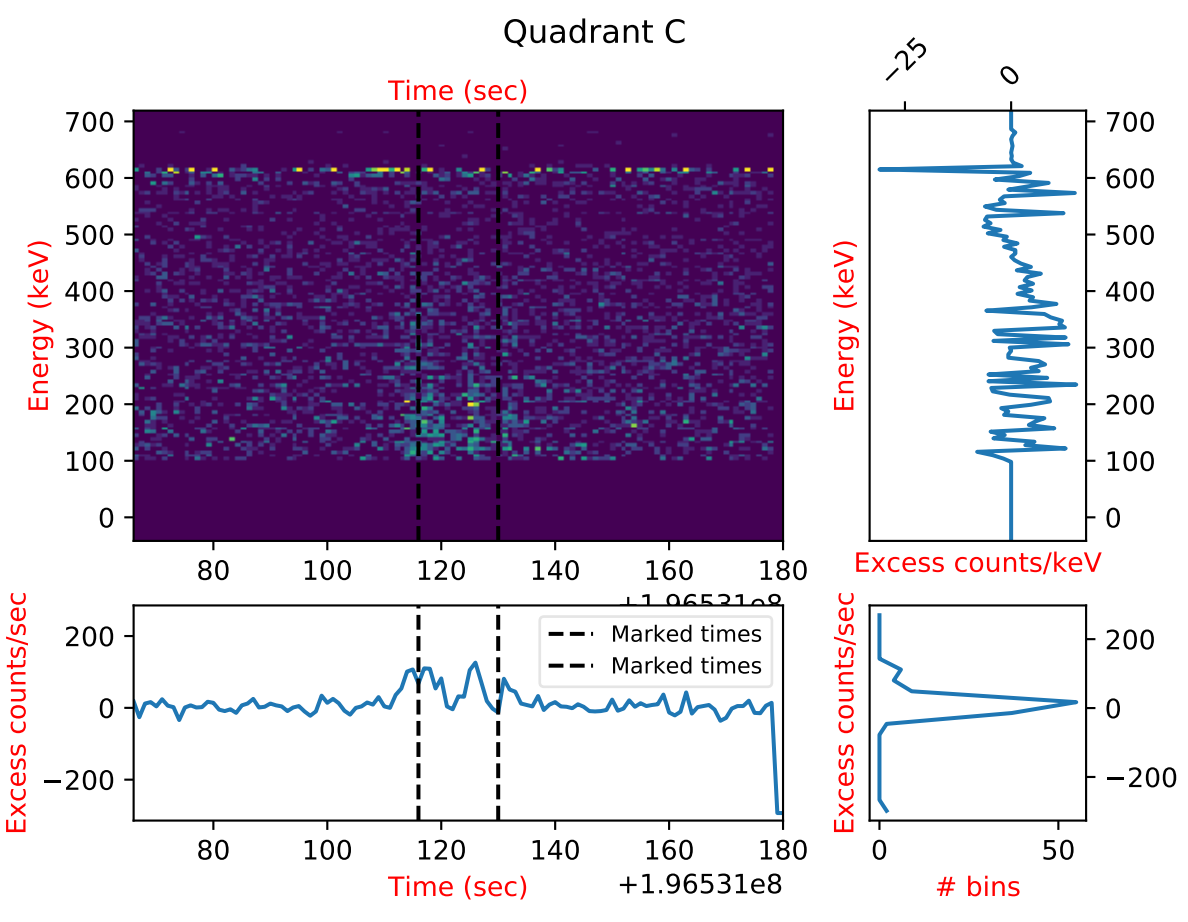

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
+1.96531e8
bins
50

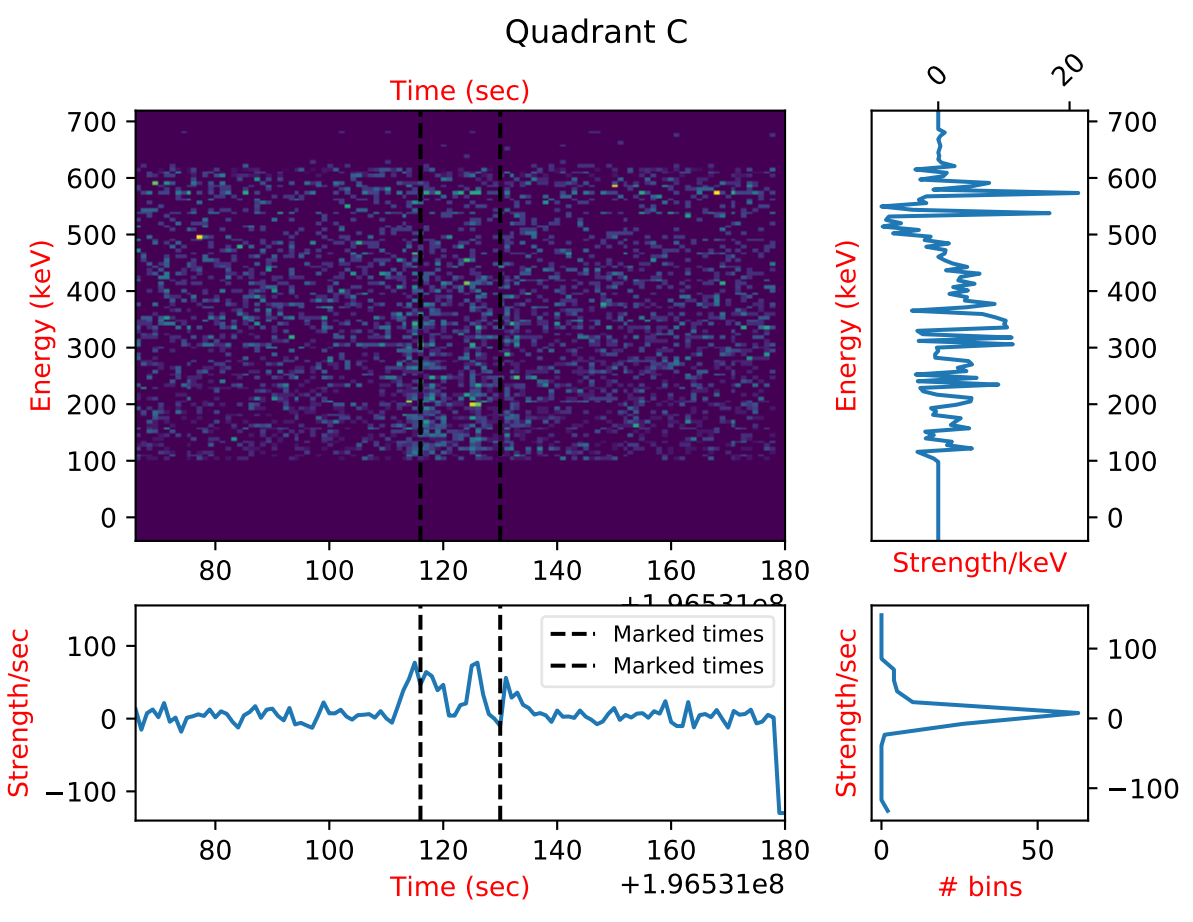

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+1.96531e8
bins
50

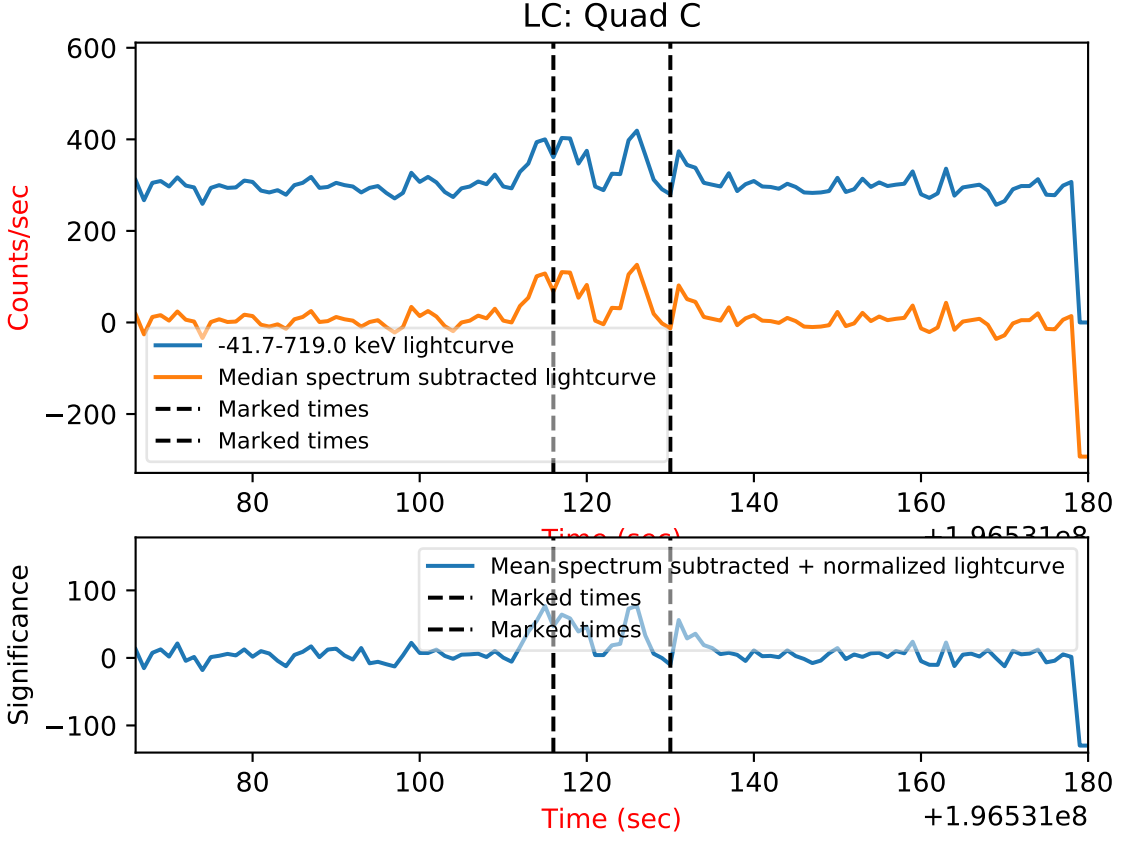

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
+1.96531e8
0
20
Strength/keV
Strength/sec
Marked times
Marked times
100
0
−100
25
bins

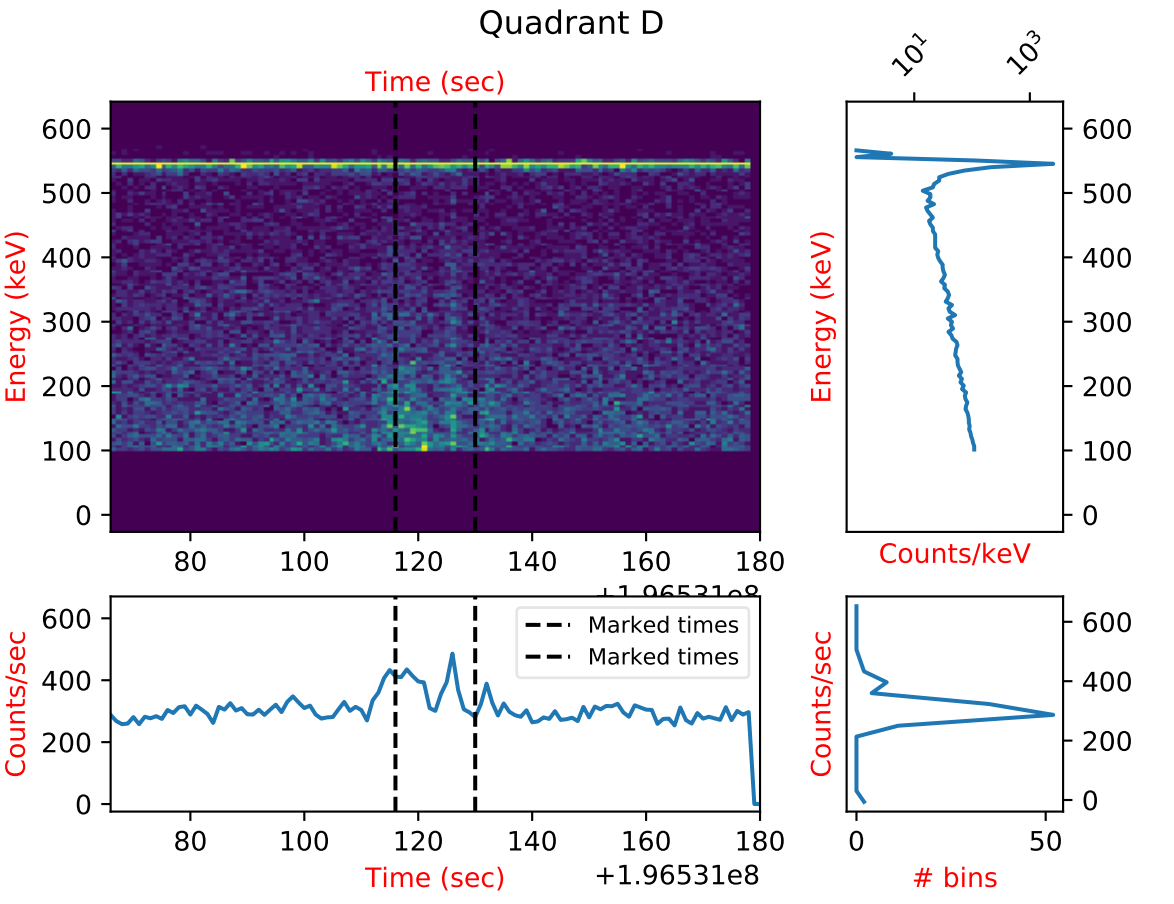

LC: Quad B
Counts/sec
400
200
0
−200
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
80
100
120
140
160
180
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
100
0
−100
Time (sec)
+1.96531e8

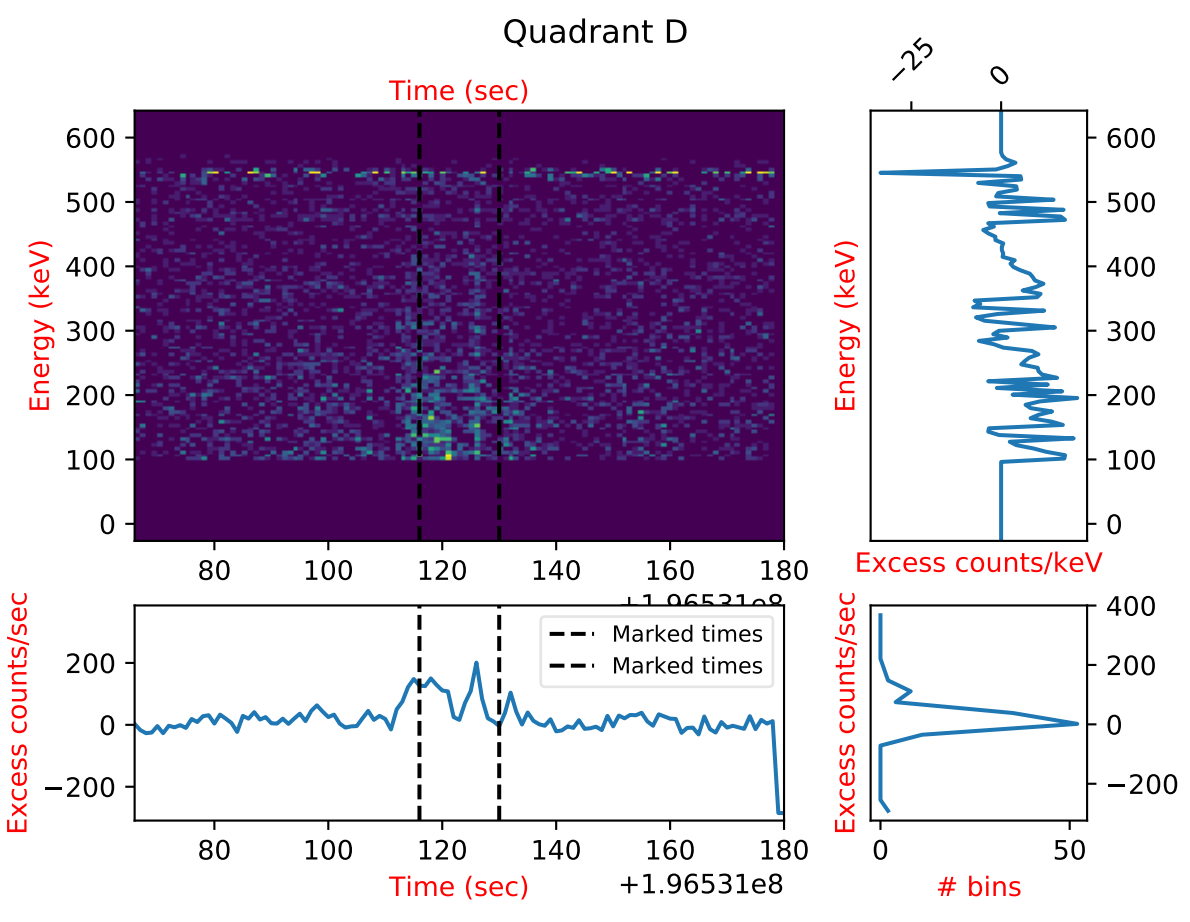

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
80
100
120
140
160
180
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
+1.96531e8
bins
50

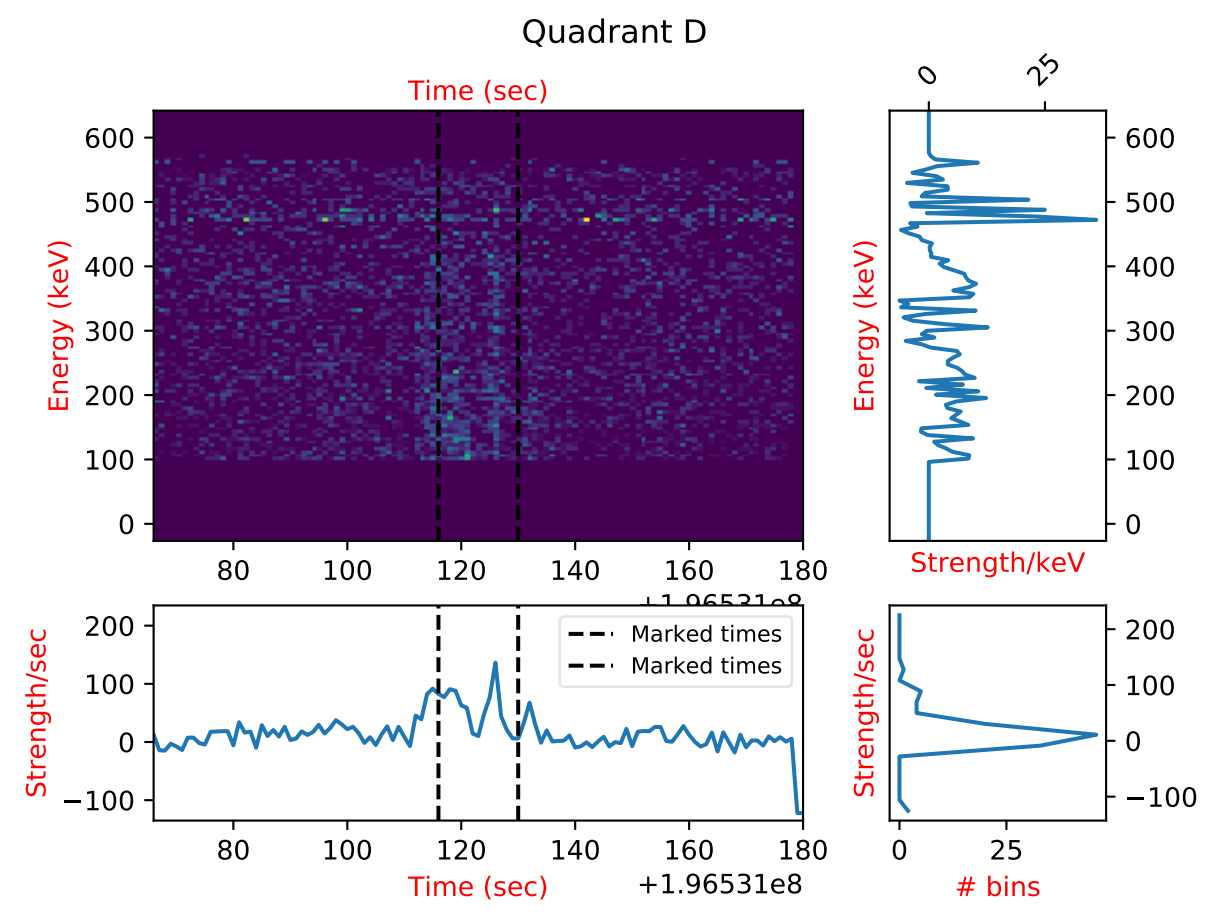

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
80
100
120
140
160
180
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+1.96531e8
bins
50

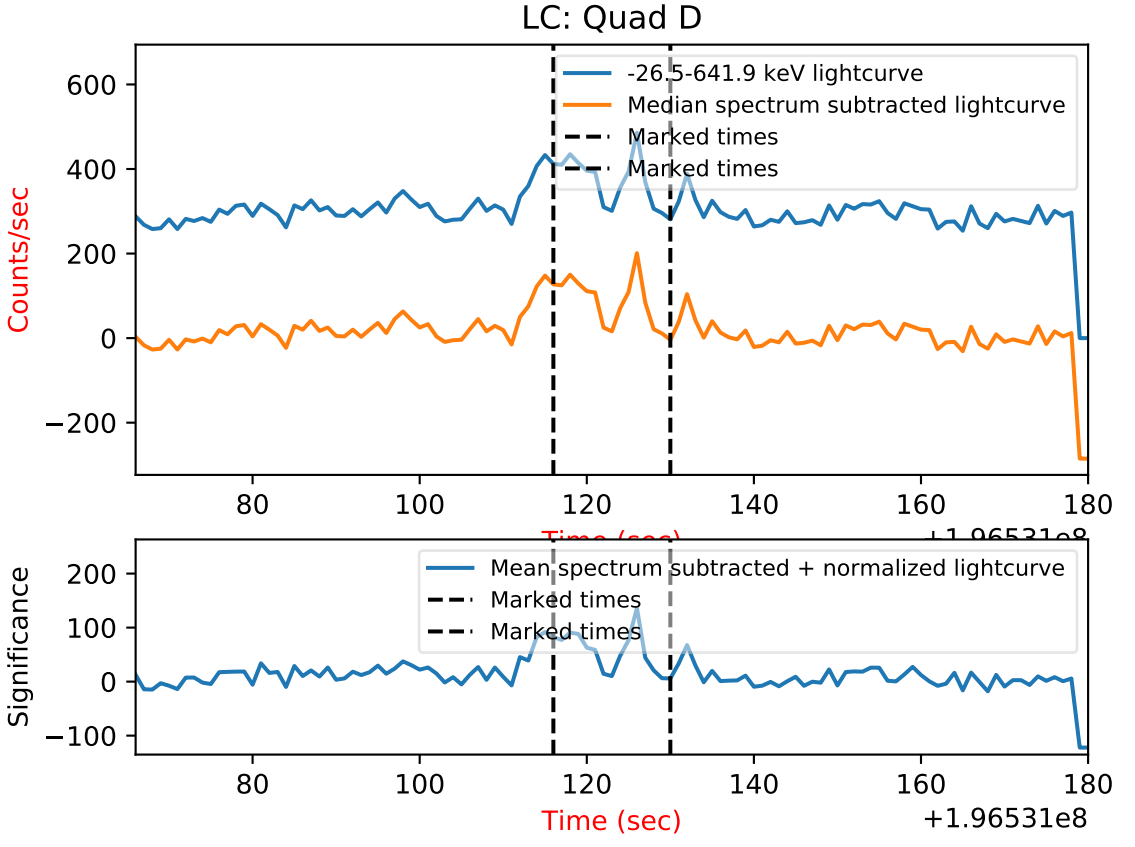

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
80
100
120
140
160
180
0
20
Strength/keV
Strength/sec
Marked times
Marked times
−100
+1.96531e8
bins
50

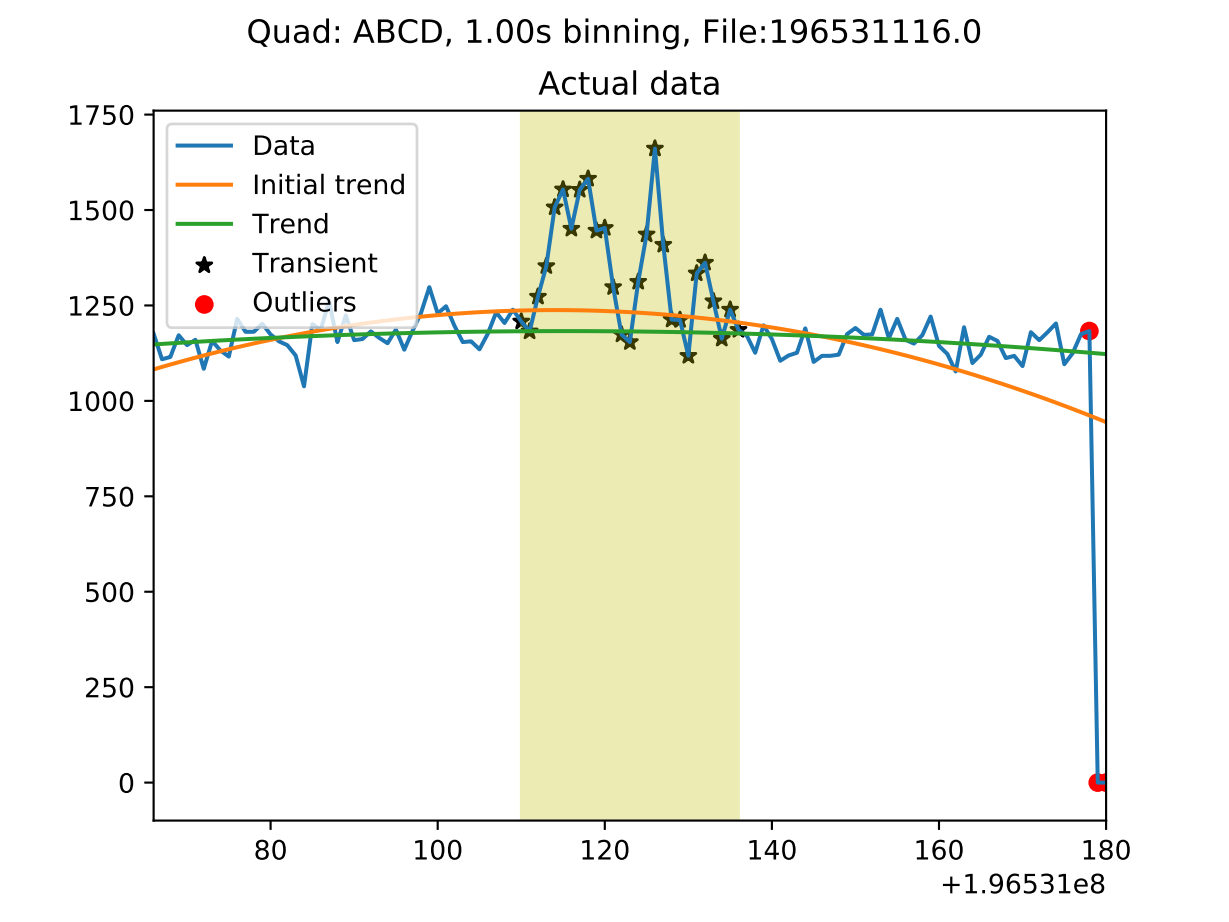

LC: Quad C
Counts/sec
600
400
200
0
−200
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
80
100
120
140
160
180
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+1.96531e8

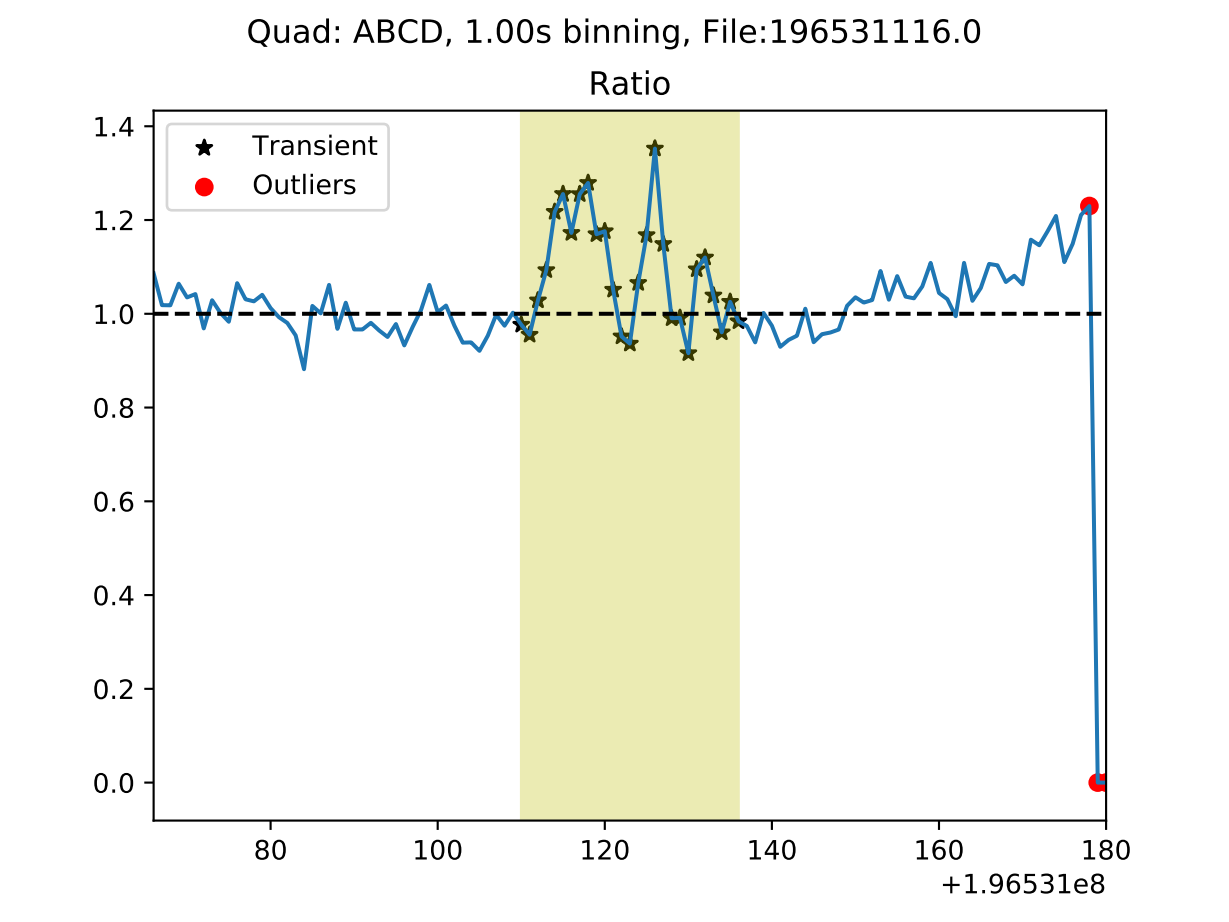

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
+1.96531e8
bins
50

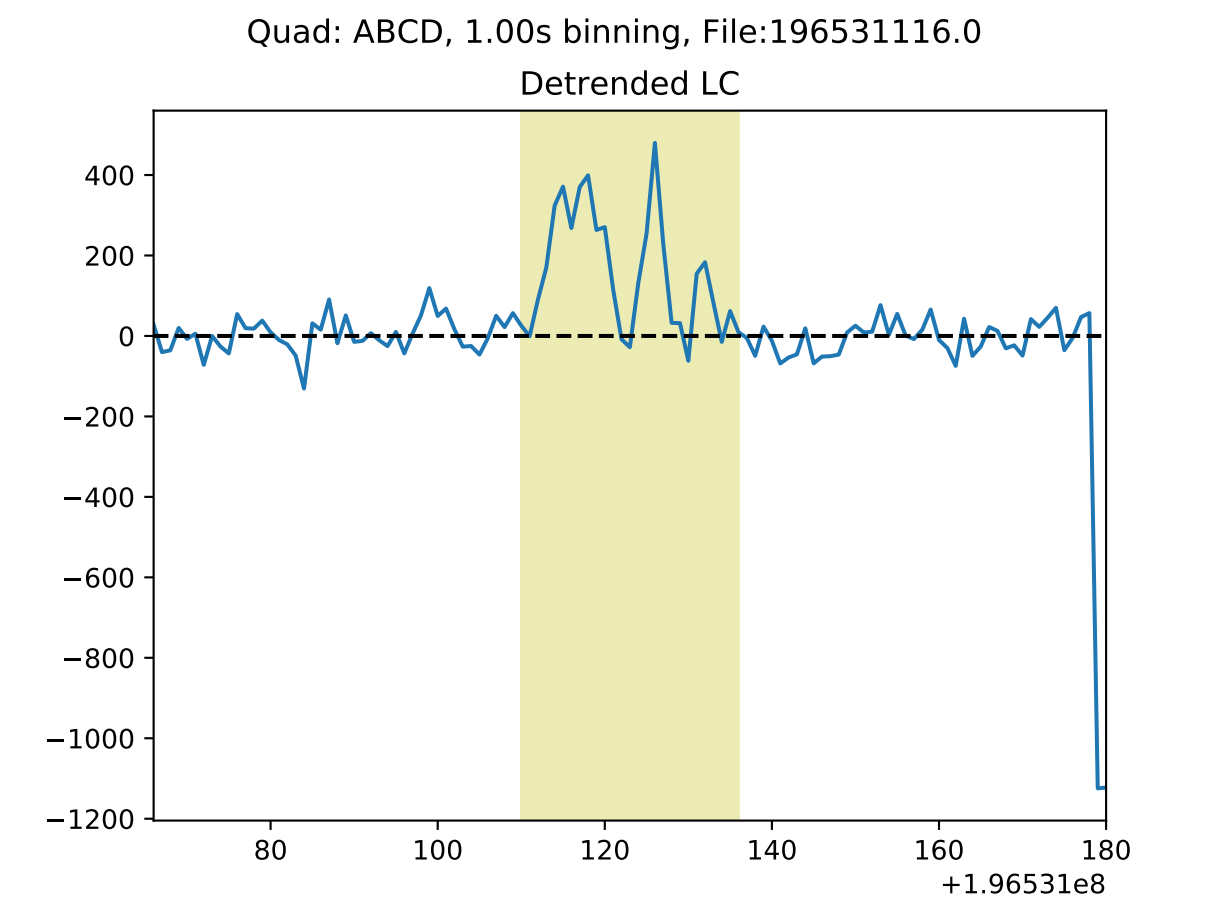

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
+1.96531e8
400
50
bins

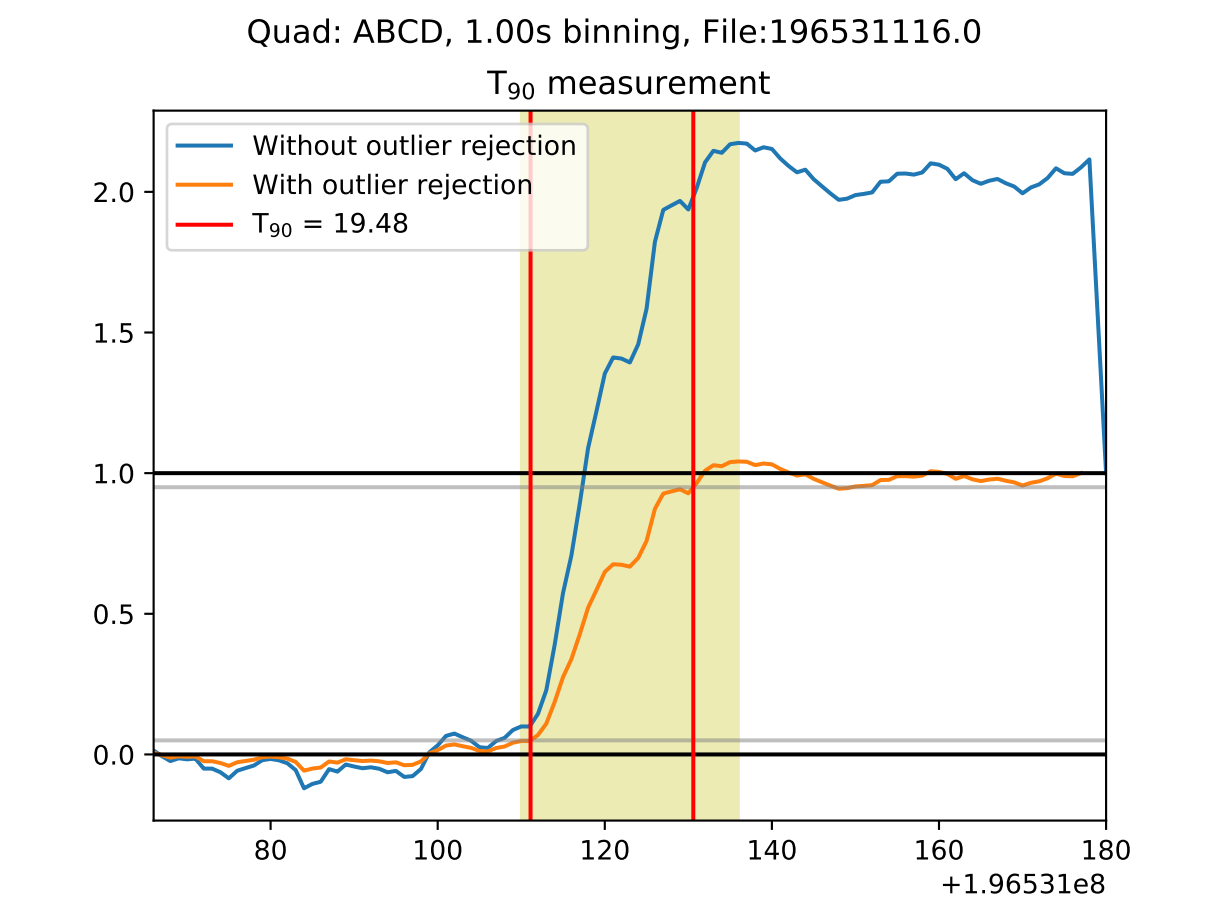

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
+1.96531e8
0
25
Energy (keV)
Strength/keV
Strength/sec
200
100
0
−100
Marked times
Marked times
Time (sec)
+1.96531e8
bins

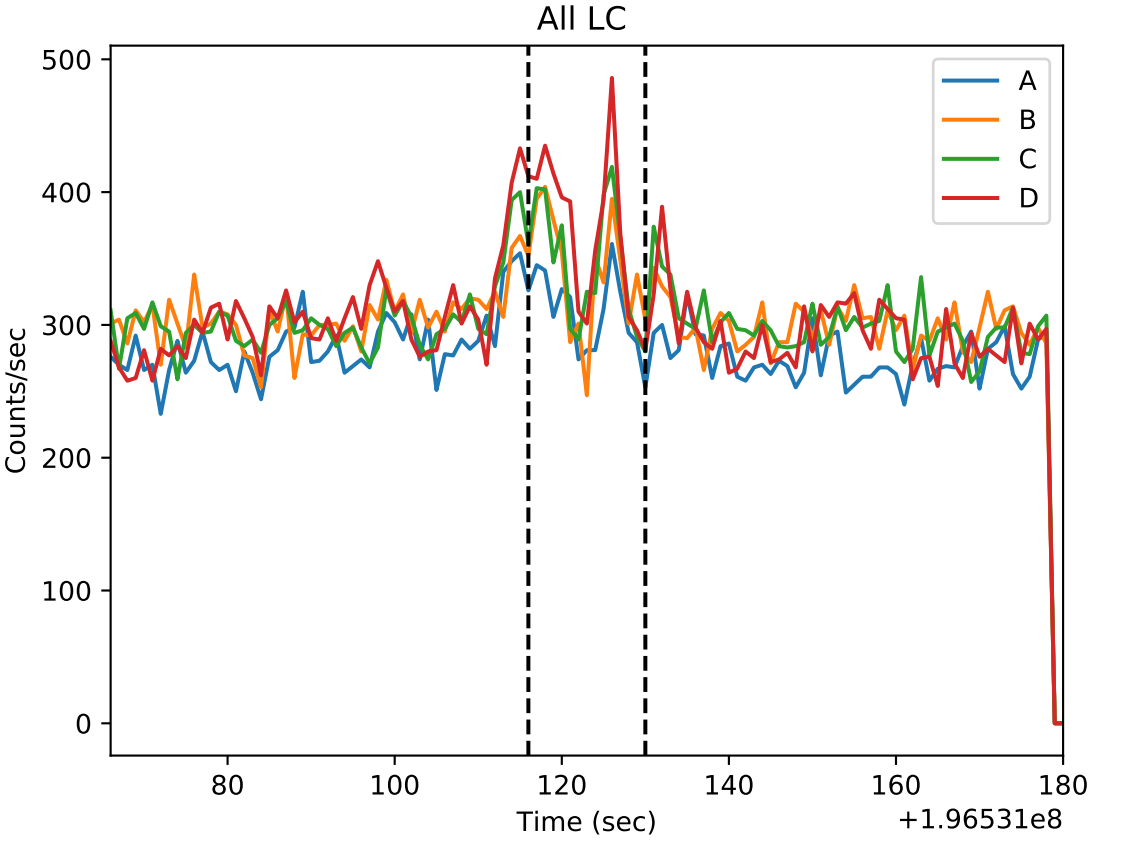

LC: Quad D
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
600
400
200
0
−200
80
100
120
140
160
180
+1.96531e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
200
100
0
−100
Time (sec)


Quad: ABCD, 1.00s binning, File:196531116.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
1750
1500
1250
1000
750
500
250
0
80
100
120
140
160
180
+1.96531e8


Quad: ABCD, 1.00s binning, File:196531116.0
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
+1.96531e8


Quad: ABCD, 1.00s binning, File:196531116.0
Detrended LC
400
200
0
−200
−400
−600
−800
−1000
−1200
80
100
120
140
160
180
+1.96531e8


Quad: ABCD, 1.00s binning, File:196531116.0
T90 measurement
Without outlier rejection
With outlier rejection
T90 = 19.48
2.0
1.5
1.0
0.5
0.0
80
100
120
140
160
180
+1.96531e8


All LC
A
B
C
D
Counts/sec
Time (sec)
+1.96531e8
0
100
200
300
400
500
80
100
120
140
160
180