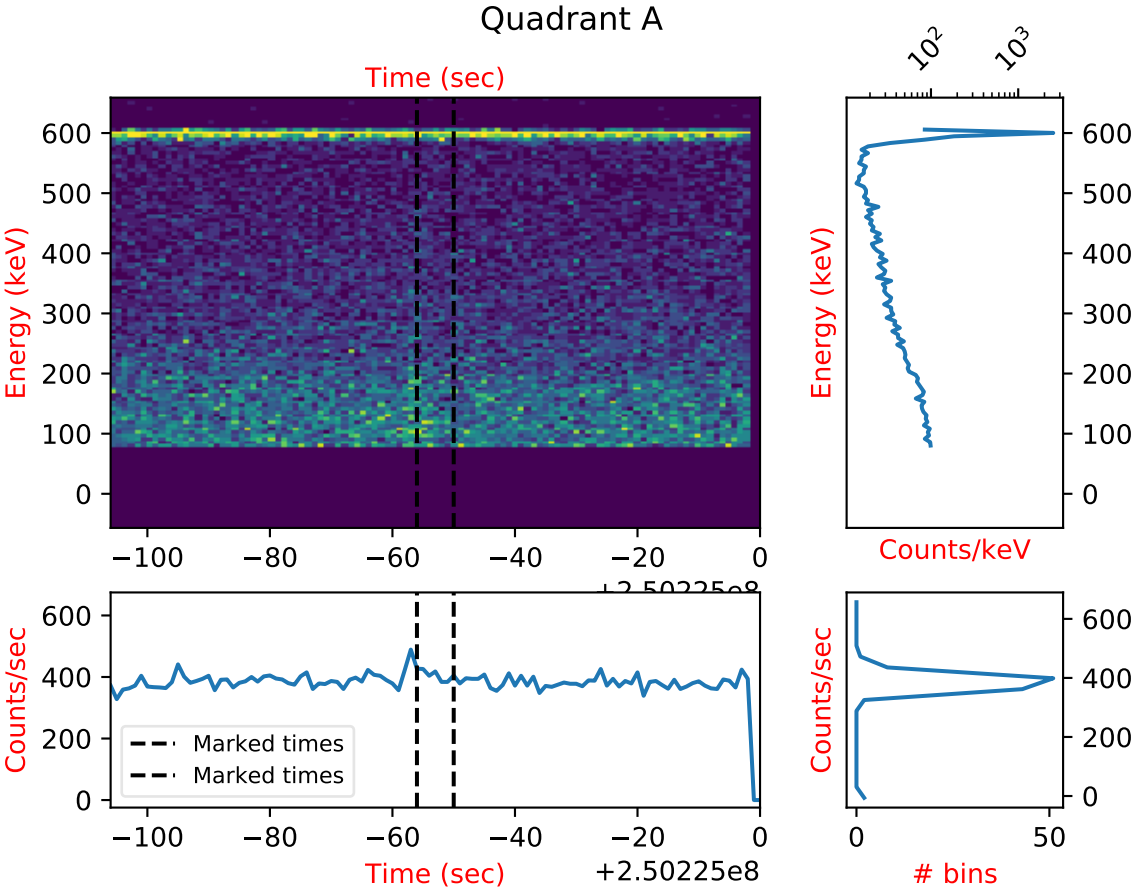
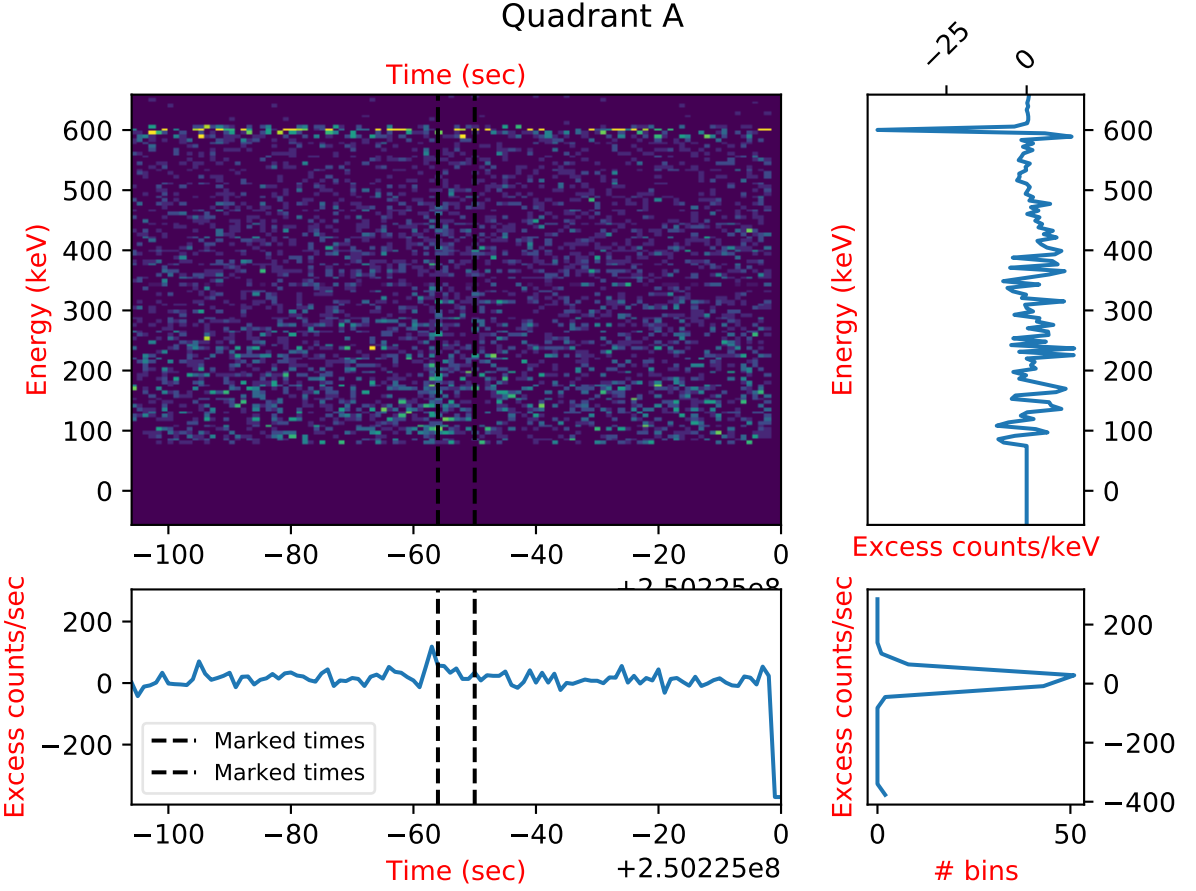
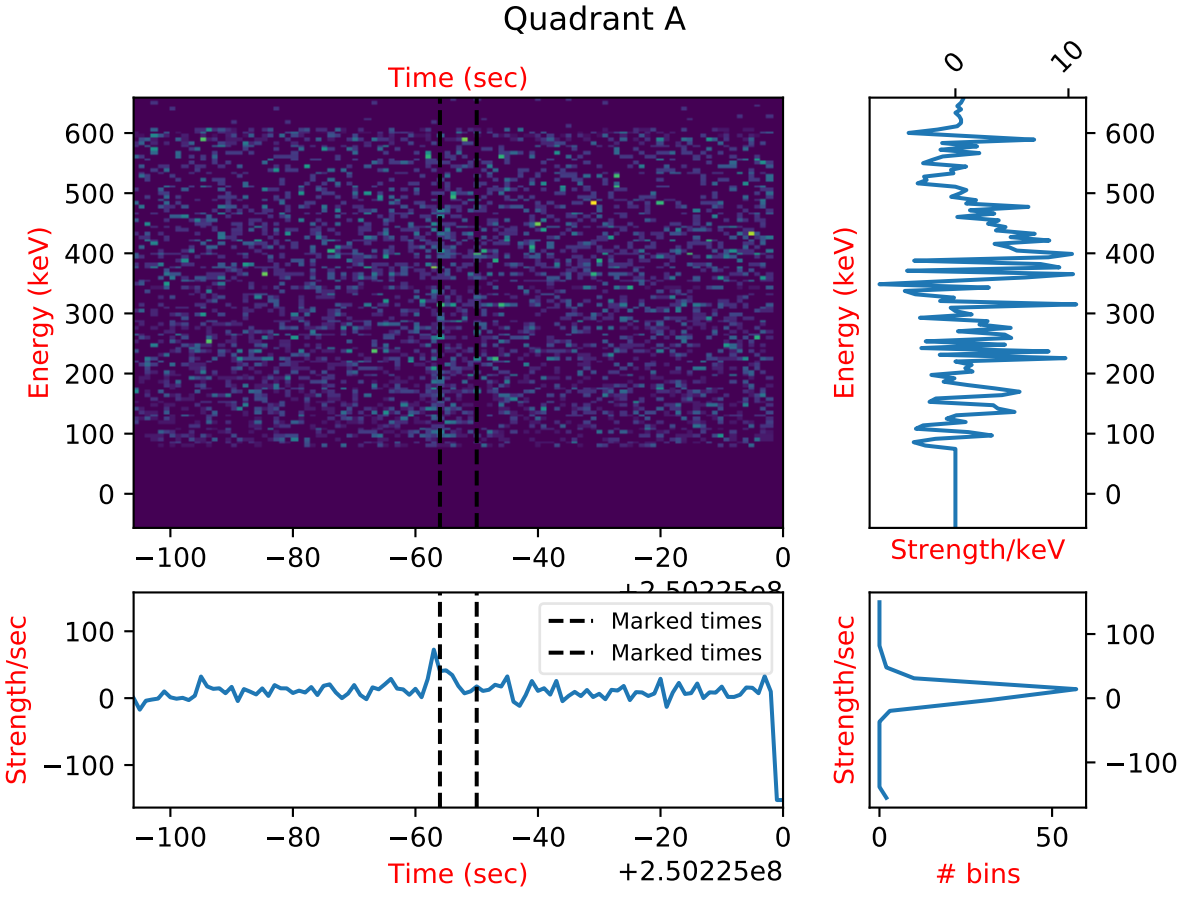
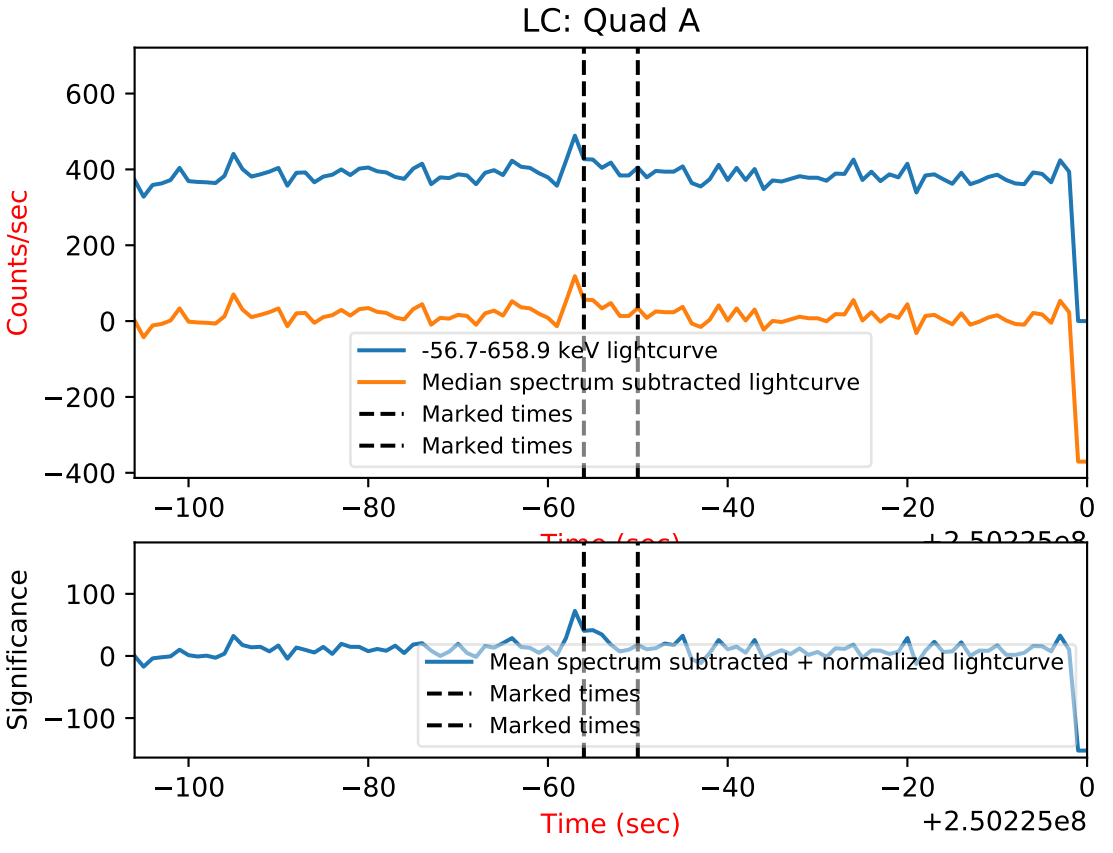
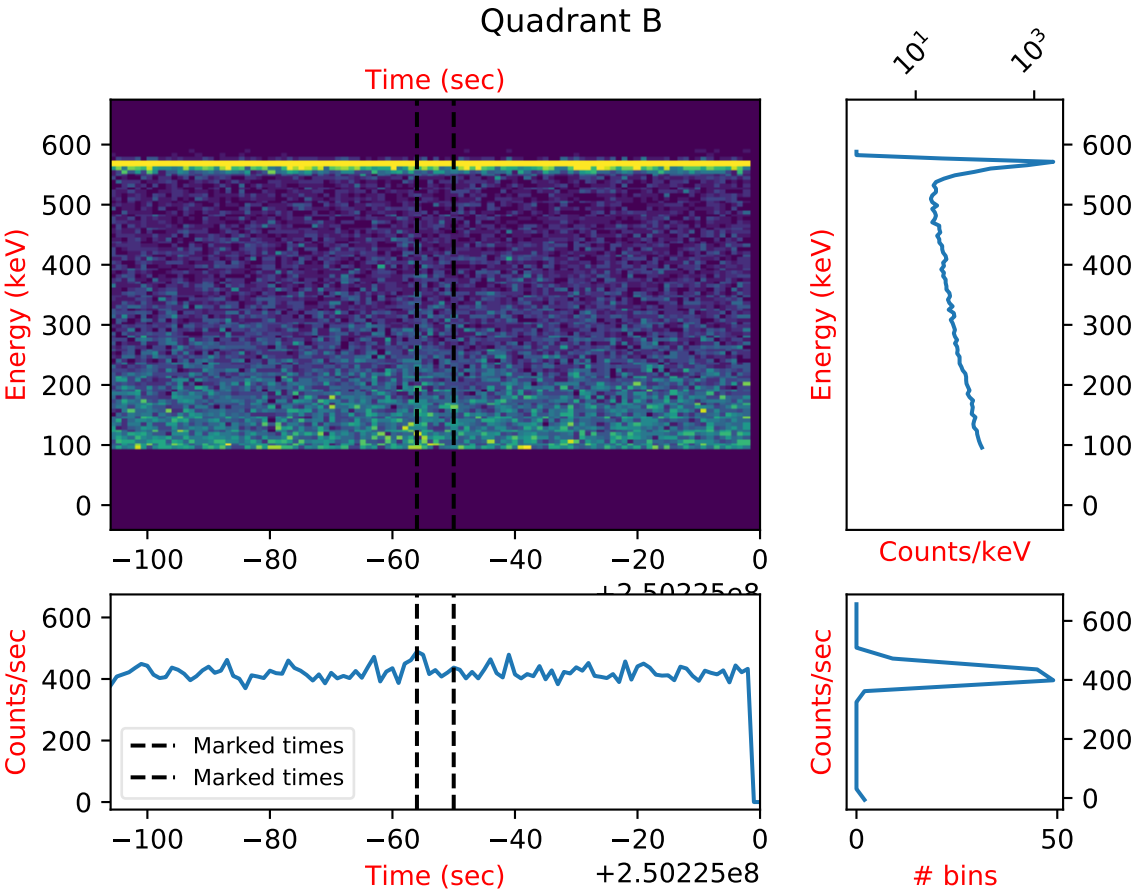
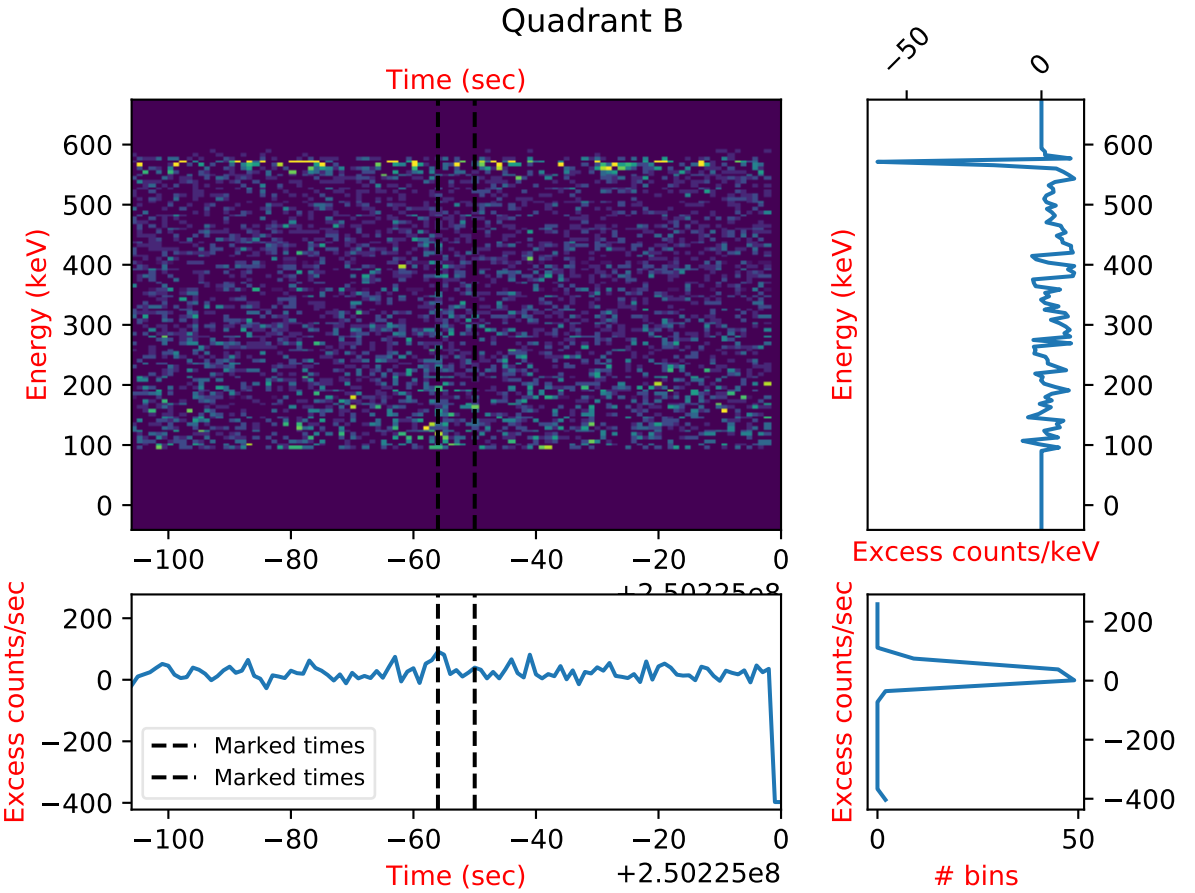

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
10^2
10^3
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+2.50225e8
bins
50

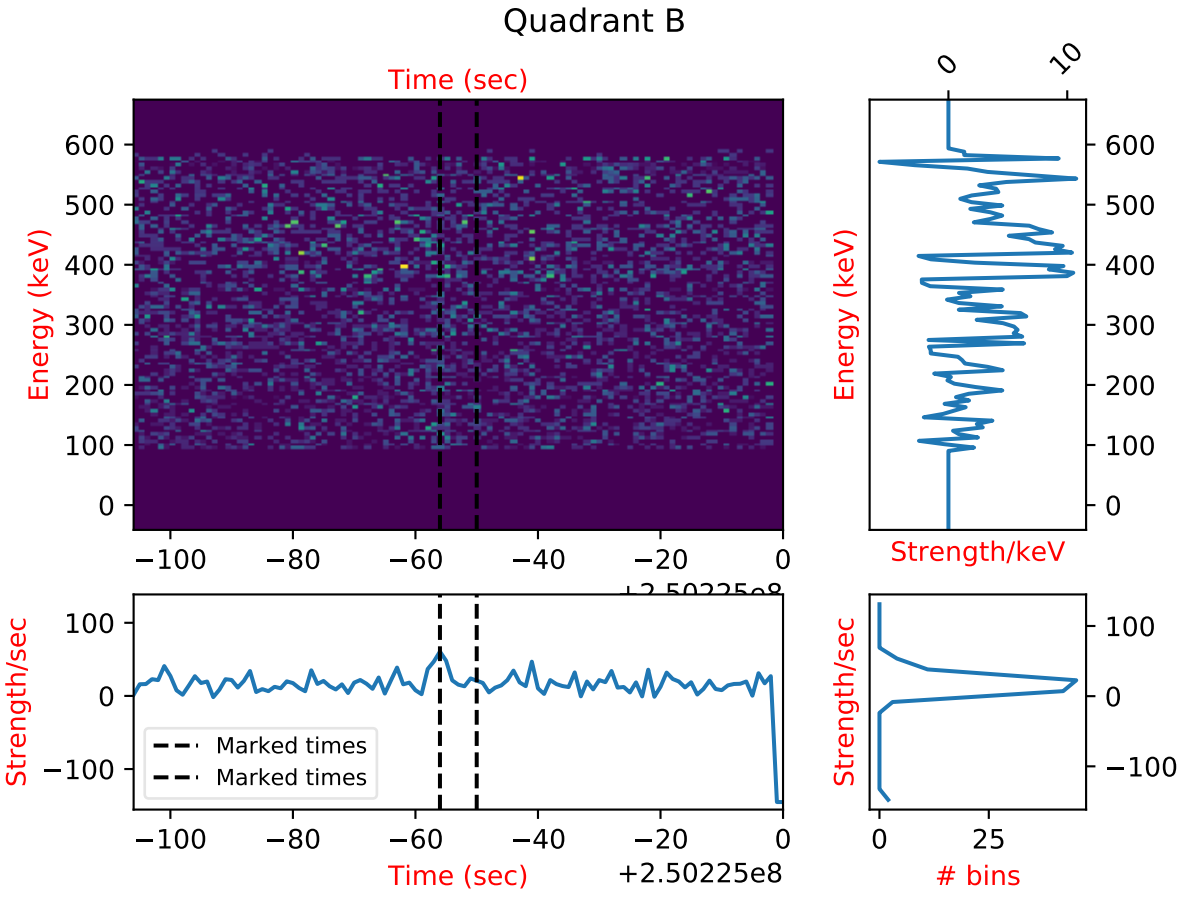

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
Time (sec)
+2.50225e8
−400
50
bins

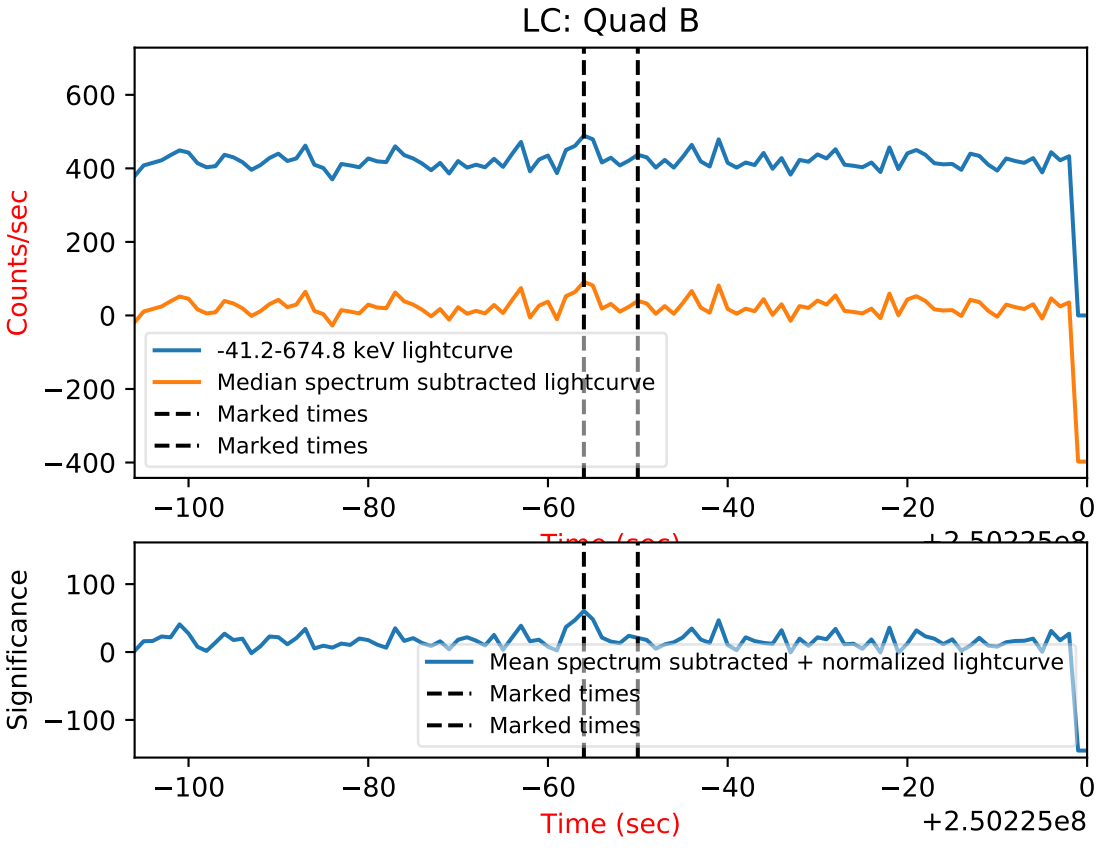

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
0
10
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+2.50225e8
bins
50

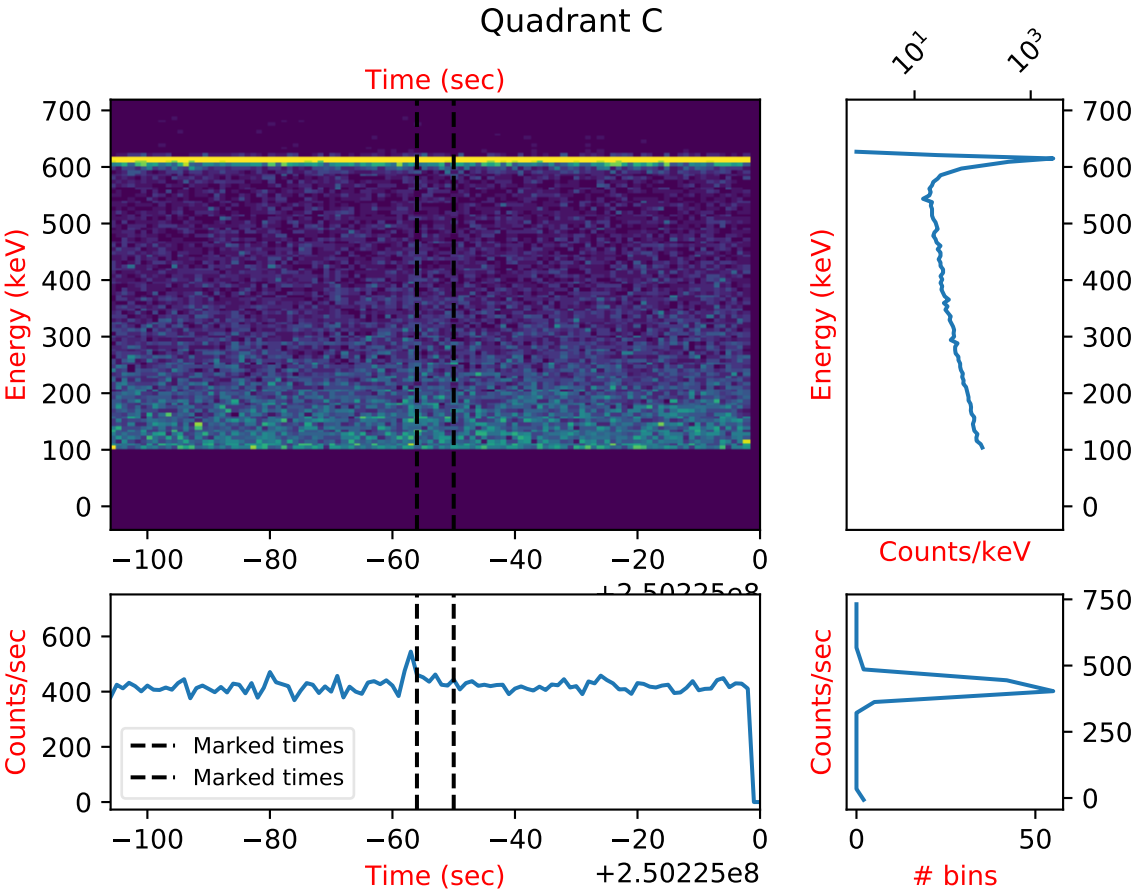

LC: Quad A
Counts/sec
600
400
200
0
−200
−400
-56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
−100
−80
−60
−40
−20
0
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
−100
−80
−60
−40
−20
0
Time (sec)
+2.50225e8

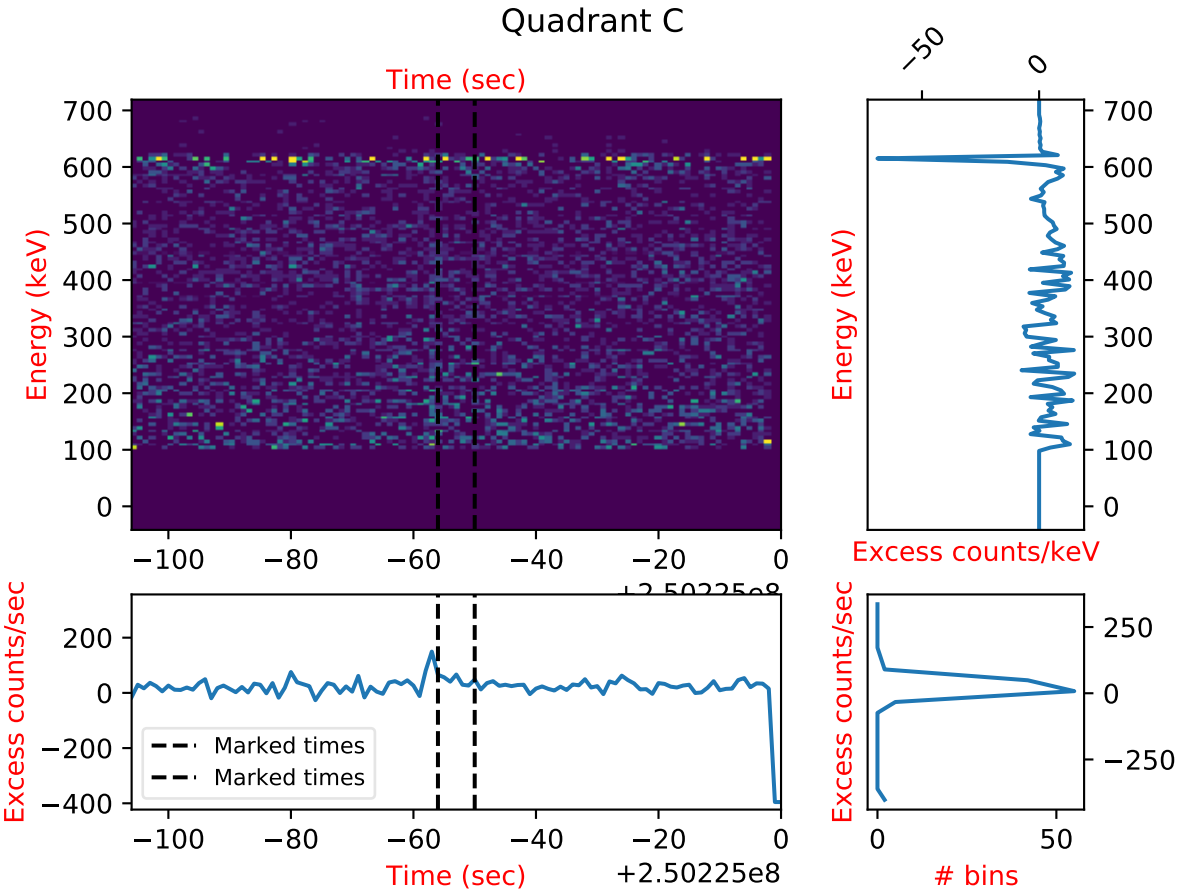

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+2.50225e8
bins
50

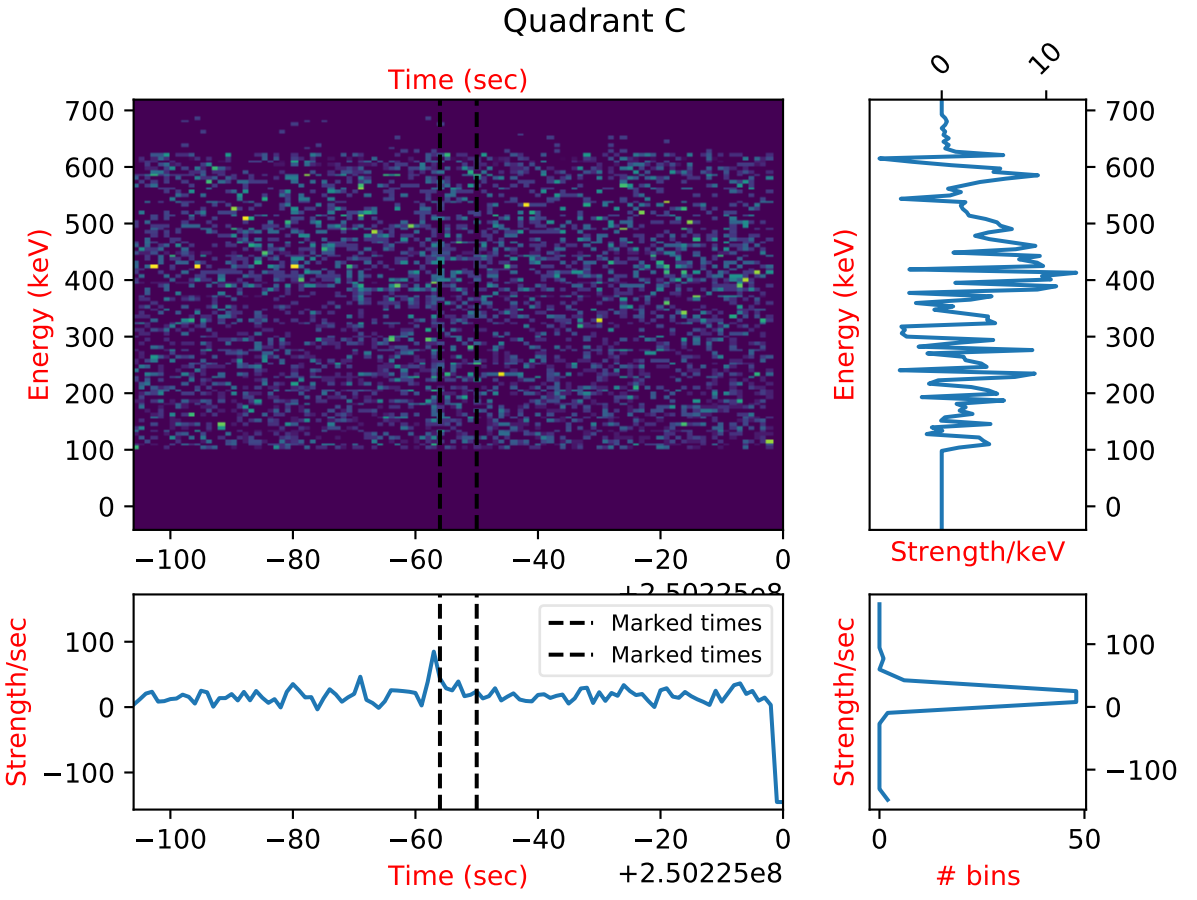

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
−50
0
Excess counts/keV
Excess counts/sec
200
0
−200
−400
Marked times
Marked times
Time (sec)
+2.50225e8
bins
50

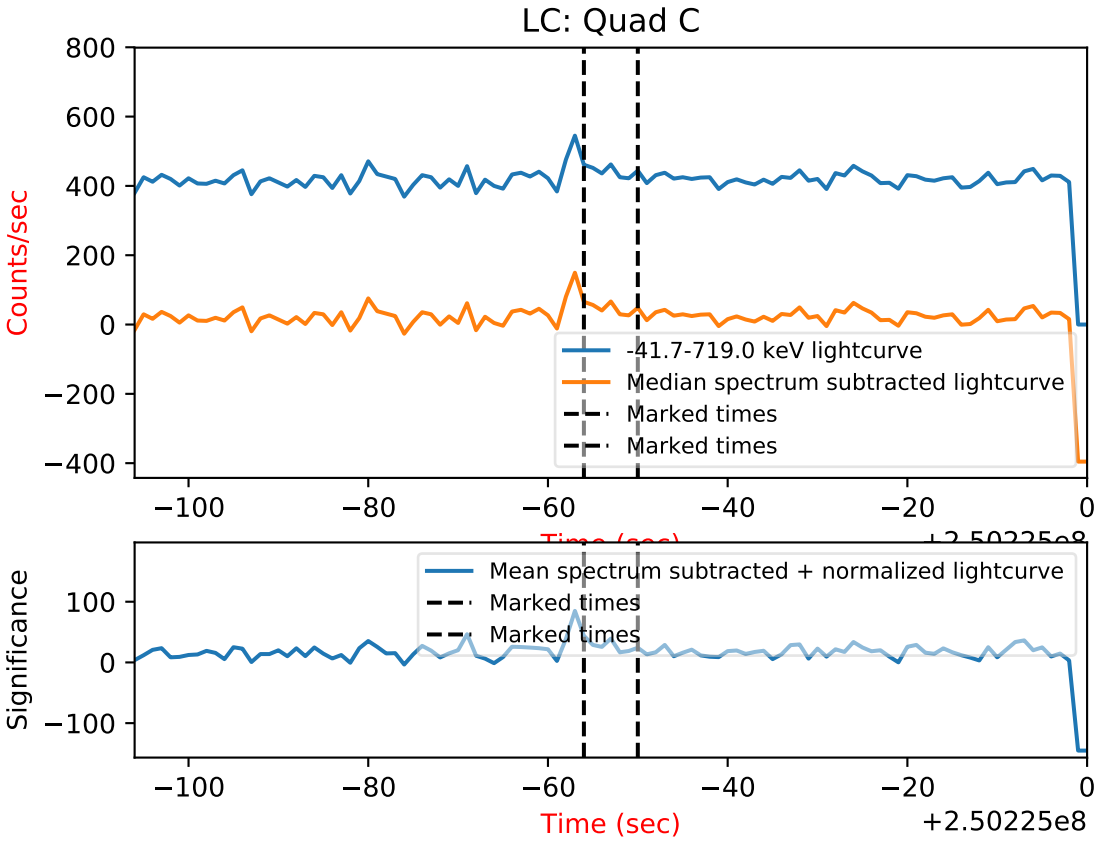

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
0
10
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+2.50225e8
bins
25

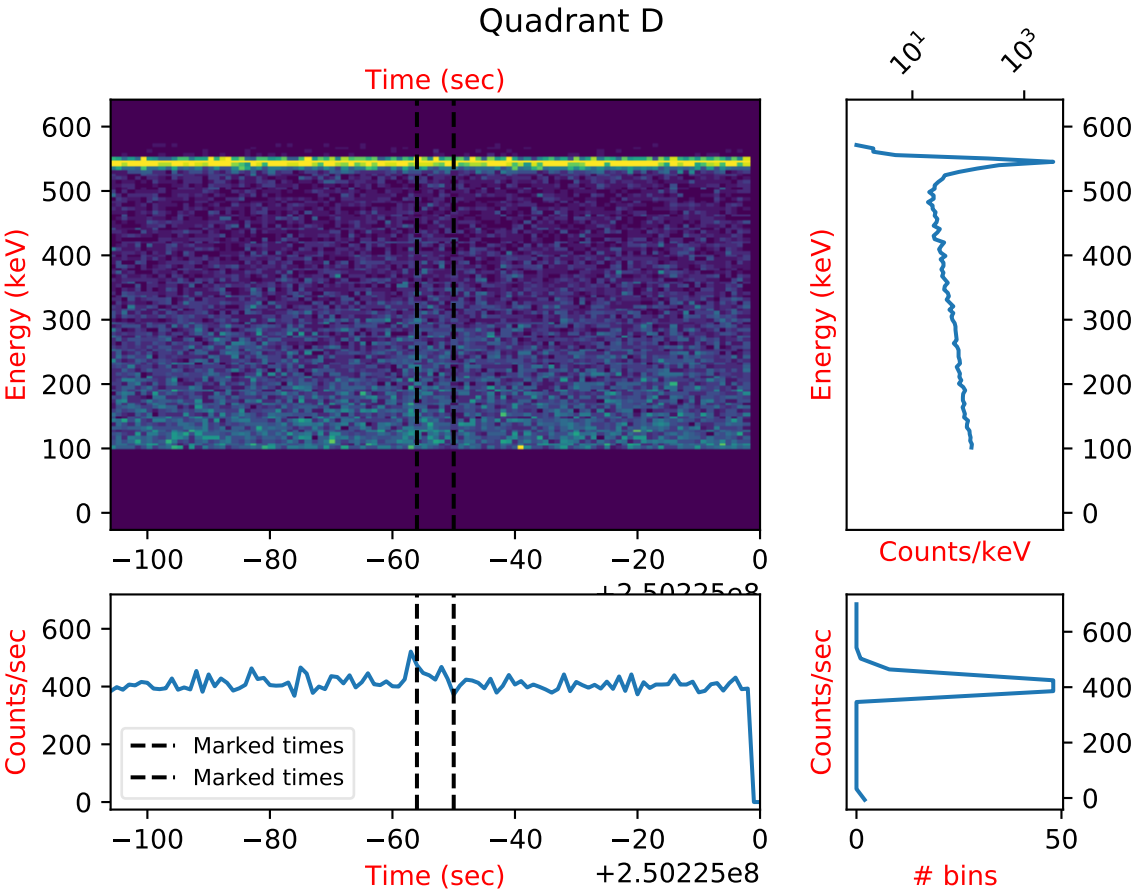

LC: Quad B
Counts/sec
600
400
200
0
−200
−400
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
−100
−80
−60
−40
−20
0
+2.50225e8
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
−100
−80
−60
−40
−20
0
Time (sec)
+2.50225e8

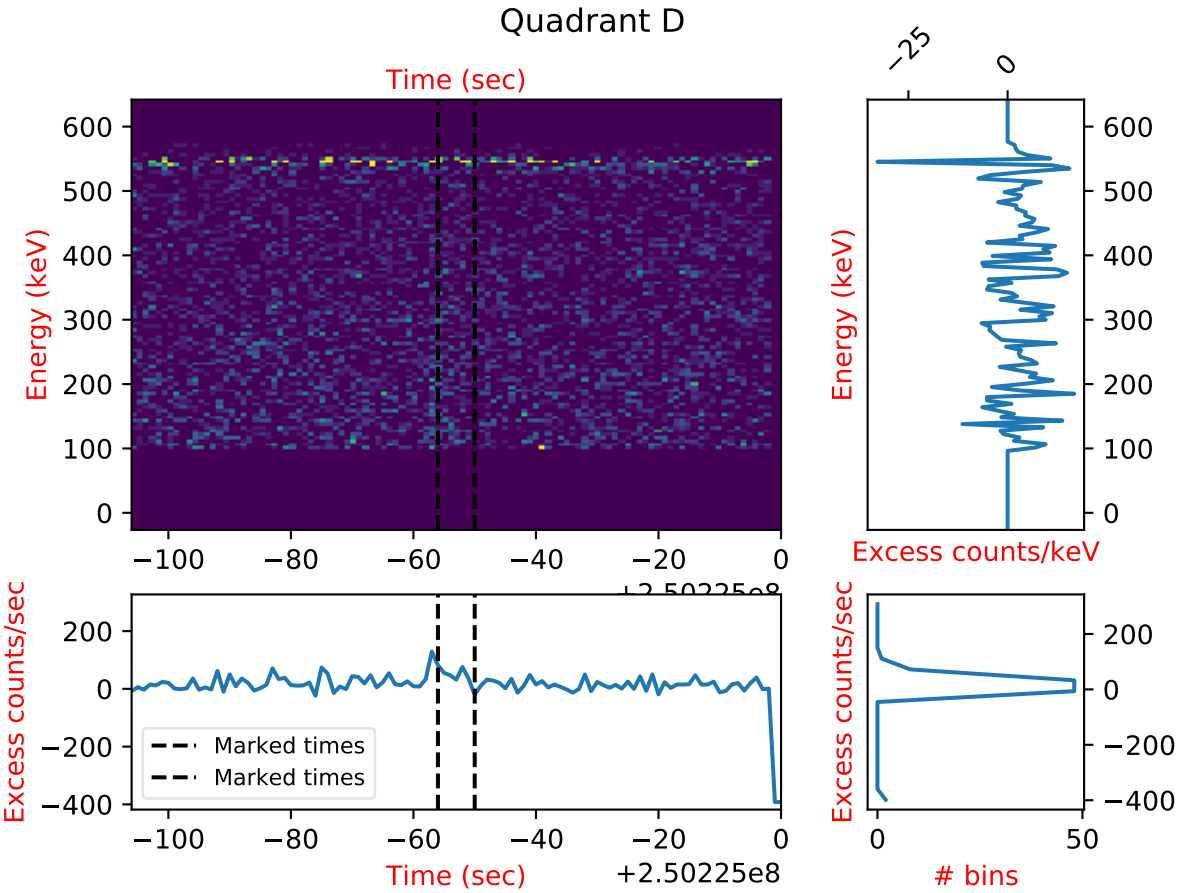

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
750
250
bins

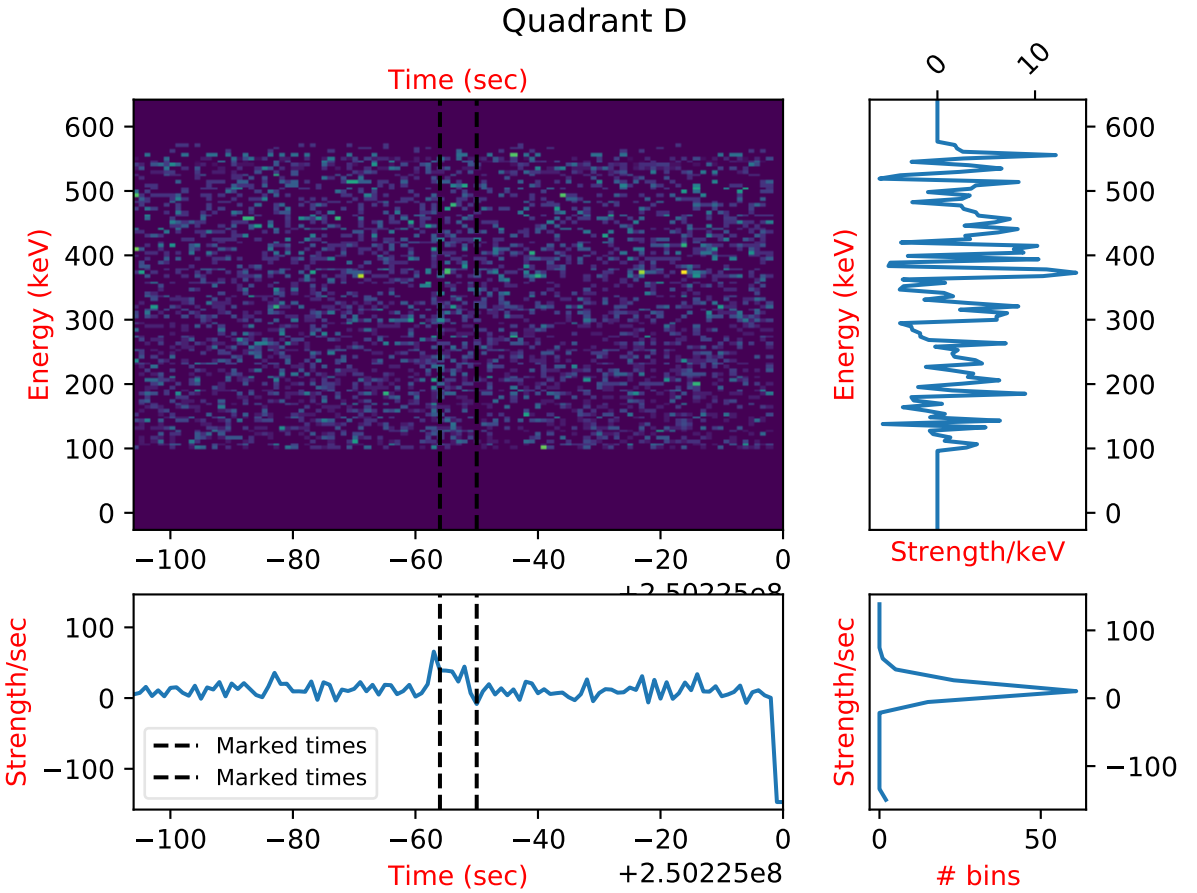

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
−50
0
Excess counts/keV
Excess counts/sec
200
0
−200
−400
Marked times
Marked times
Time (sec)
+2.50225e8
250
0
−250
bins
50

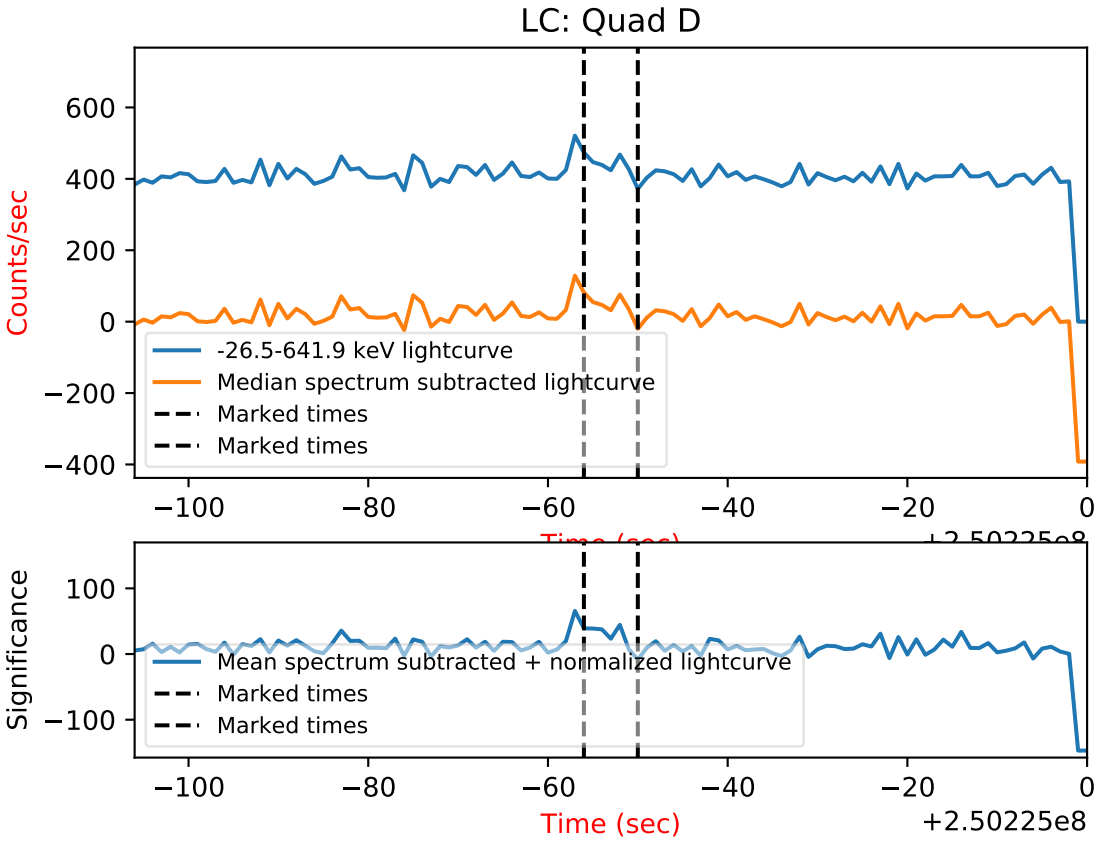

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
Strength/keV
0
10
Marked times
Marked times
Strength/sec
100
0
−100
Time (sec)
+2.50225e8
bins
50

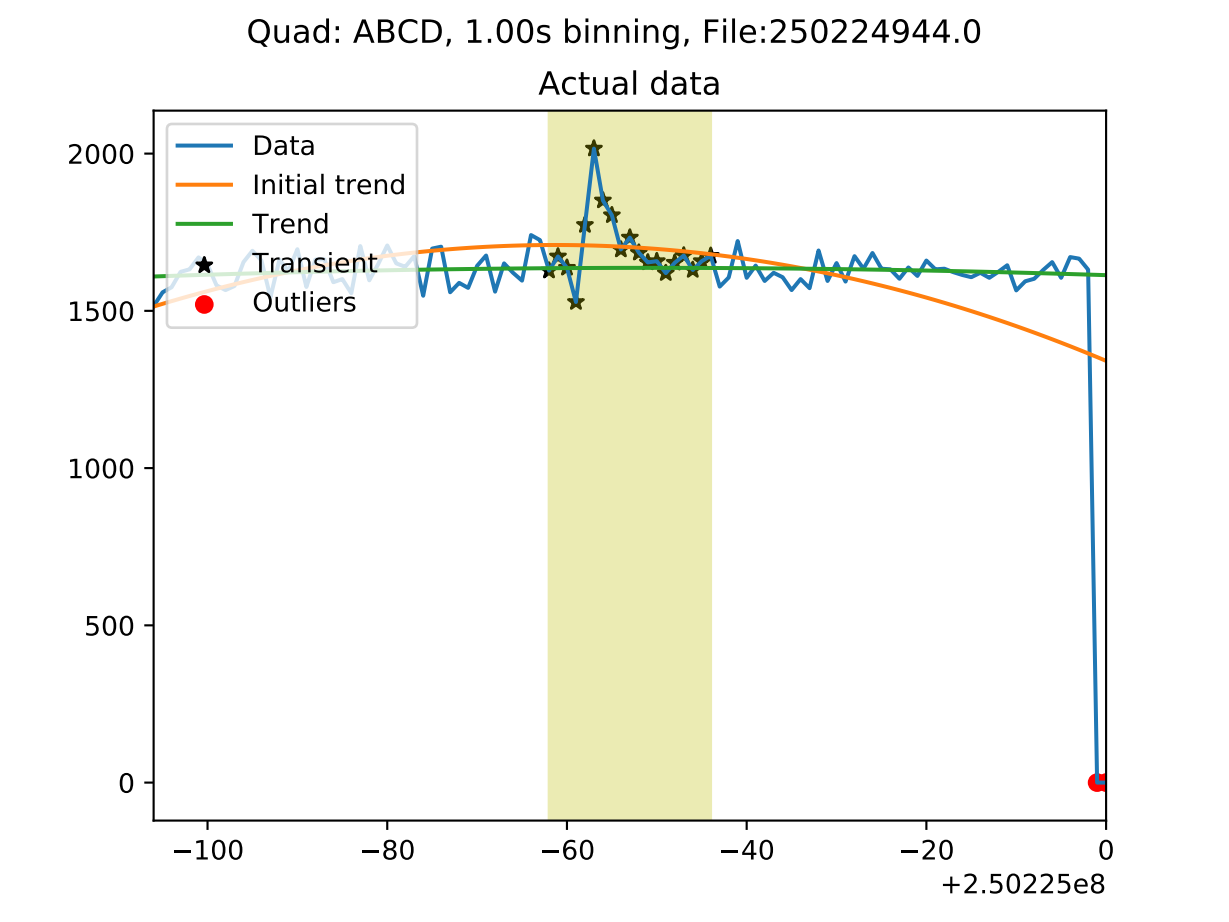

LC: Quad C
Counts/sec
800
600
400
200
0
−200
−400
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
−100
−80
−60
−40
−20
0
+2.50225e8
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
−100
−80
−60
−40
−20
0
Time (sec)
+2.50225e8

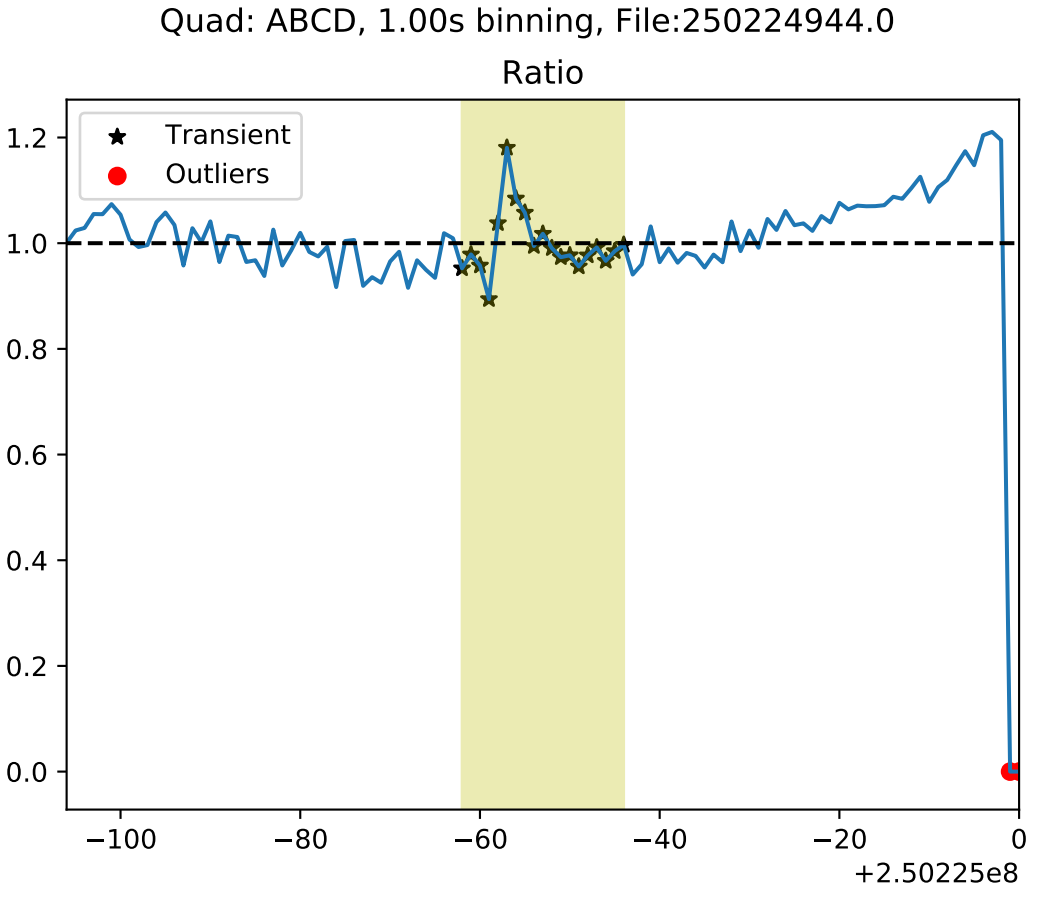

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+2.50225e8
bins
50

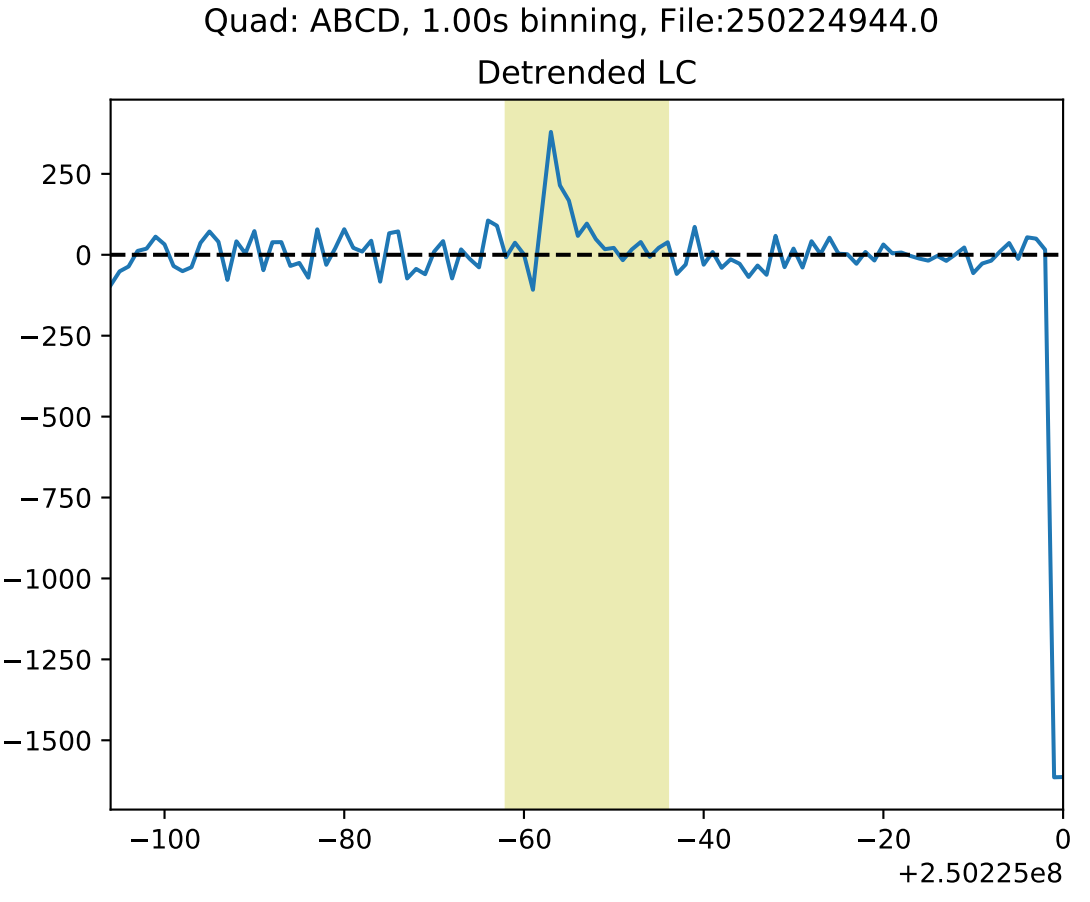

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
−25
0
Excess counts/keV
Excess counts/sec
200
0
−200
−400
Marked times
Marked times
Time (sec)
+2.50225e8
bins
50


Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
+2.50225e8
0
10
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
Time (sec)
+2.50225e8
bins
50

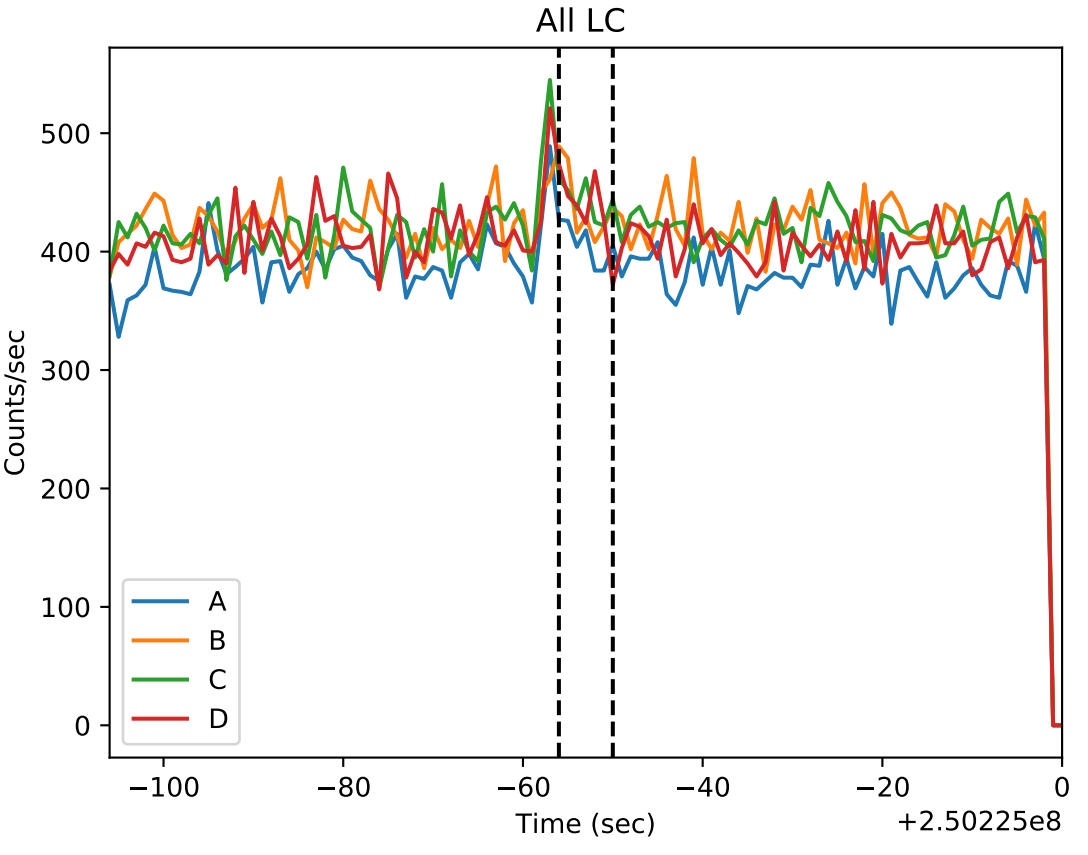

LC: Quad D
Counts/sec
600
400
200
0
−200
−400
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
−100
−80
−60
−40
−20
0
+2.50225e8
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
−100
−80
−60
−40
−20
0
Time (sec)
+2.50225e8


Quad: ABCD, 1.00s binning, File:250224944.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
2000
1500
1000
500
0
−100
−80
−60
−40
−20
0
+2.50225e8


Quad: ABCD, 1.00s binning, File:250224944.0
Ratio
Transient
Outliers
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−100
−80
−60
−40
−20
0
+2.50225e8


Quad: ABCD, 1.00s binning, File:250224944.0
Detrended LC
250
0
−250
−500
−750
−1000
−1250
−1500
−100
−80
−60
−40
−20
0
+2.50225e8

Quad: ABCD, 1.00s binning, File:250224944.0
T90 measurement
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−100
−80
−60
−40
−20
0
+2.50225e8
Without outlier rejection
With outlier rejection
T90 = 10.73


All LC
Counts/sec
500
400
300
200
100
0
A
B
C
D
−100
−80
−60
−40
−20
0
Time (sec)
+2.50225e8