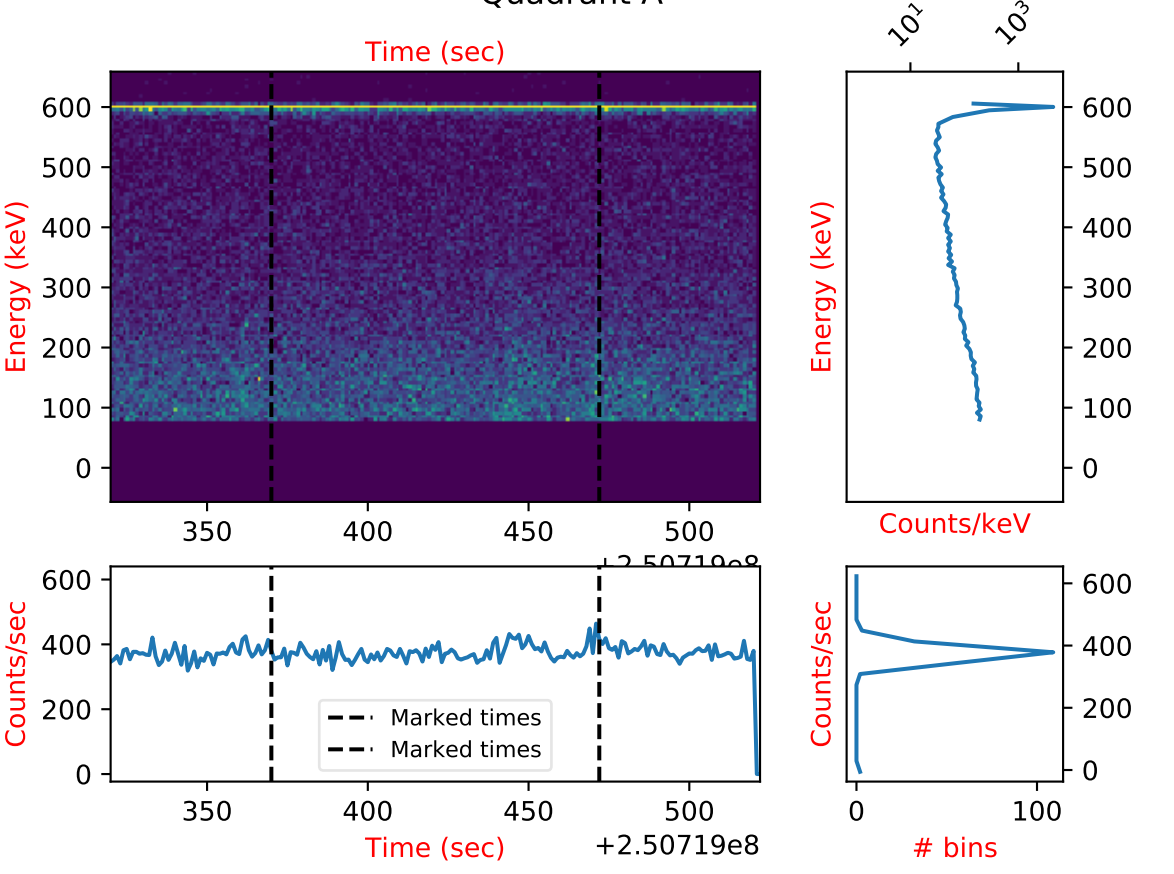
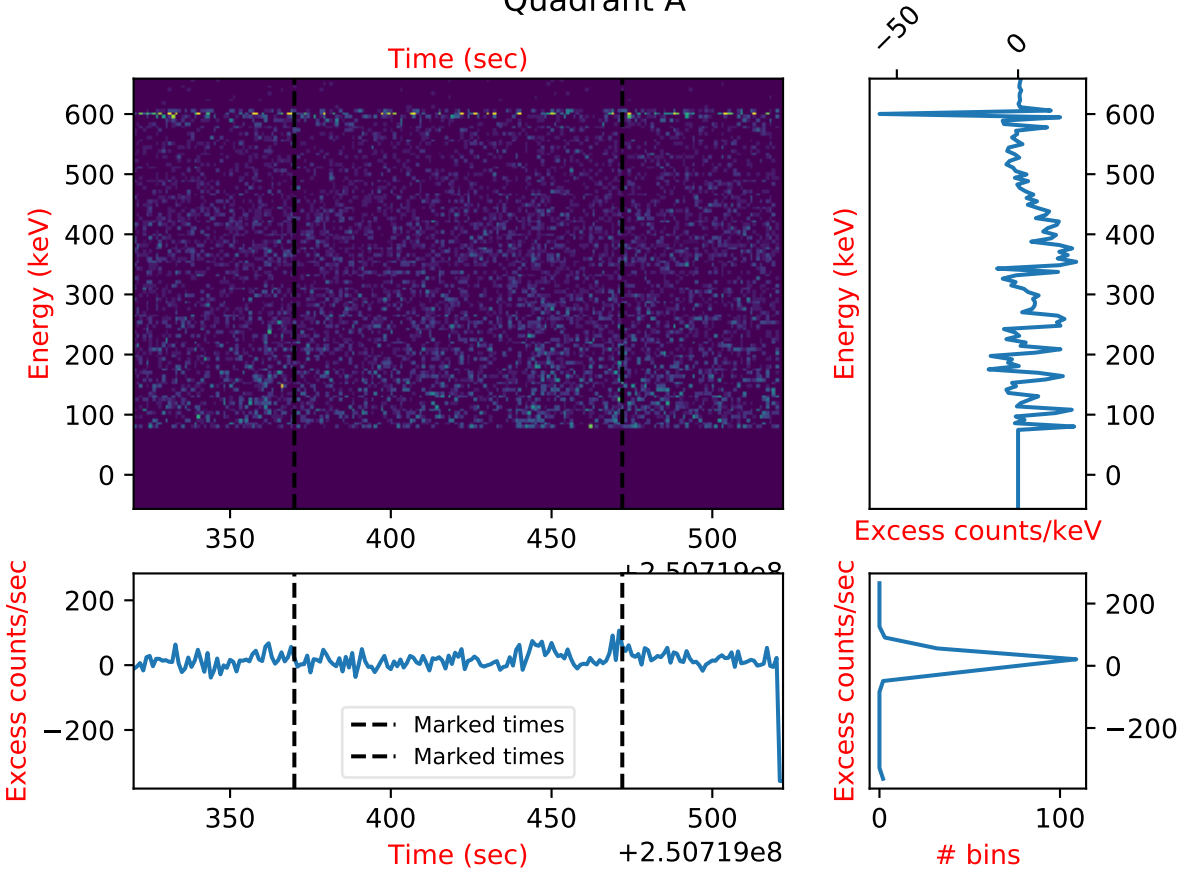
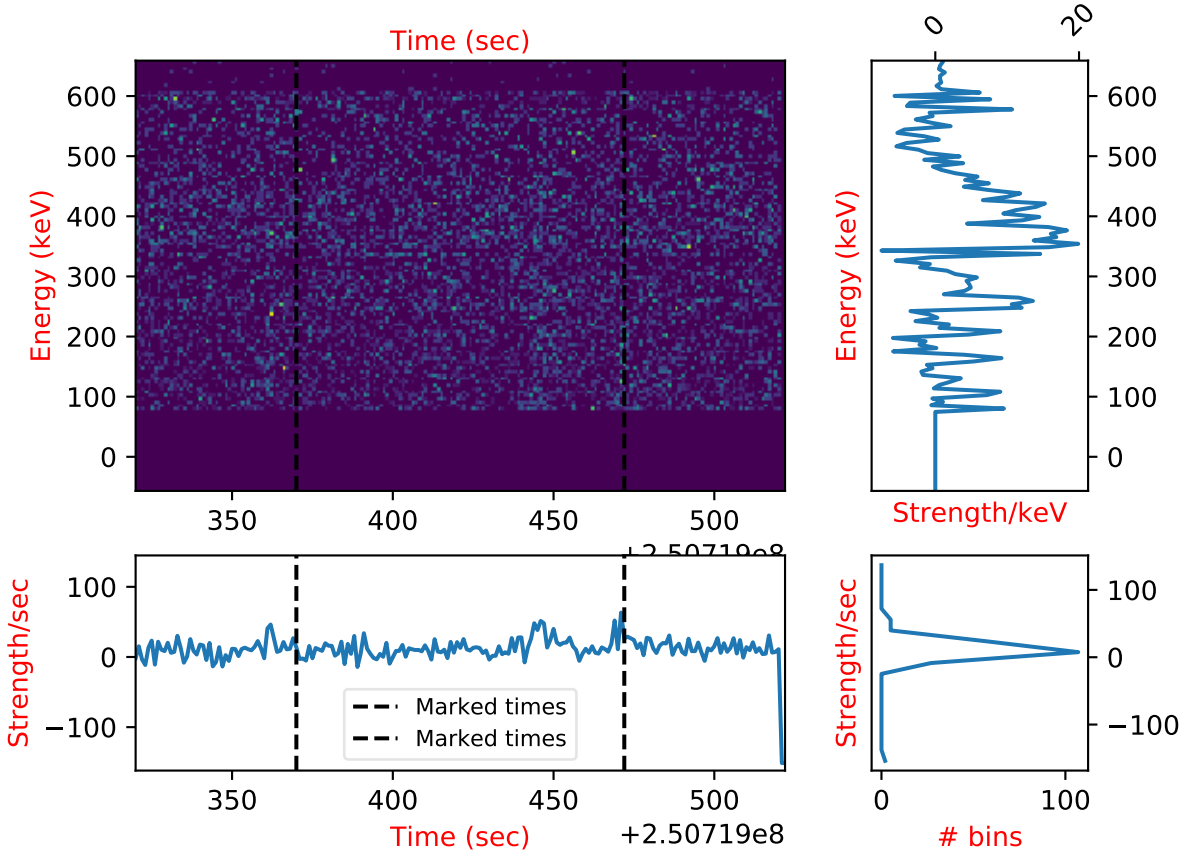
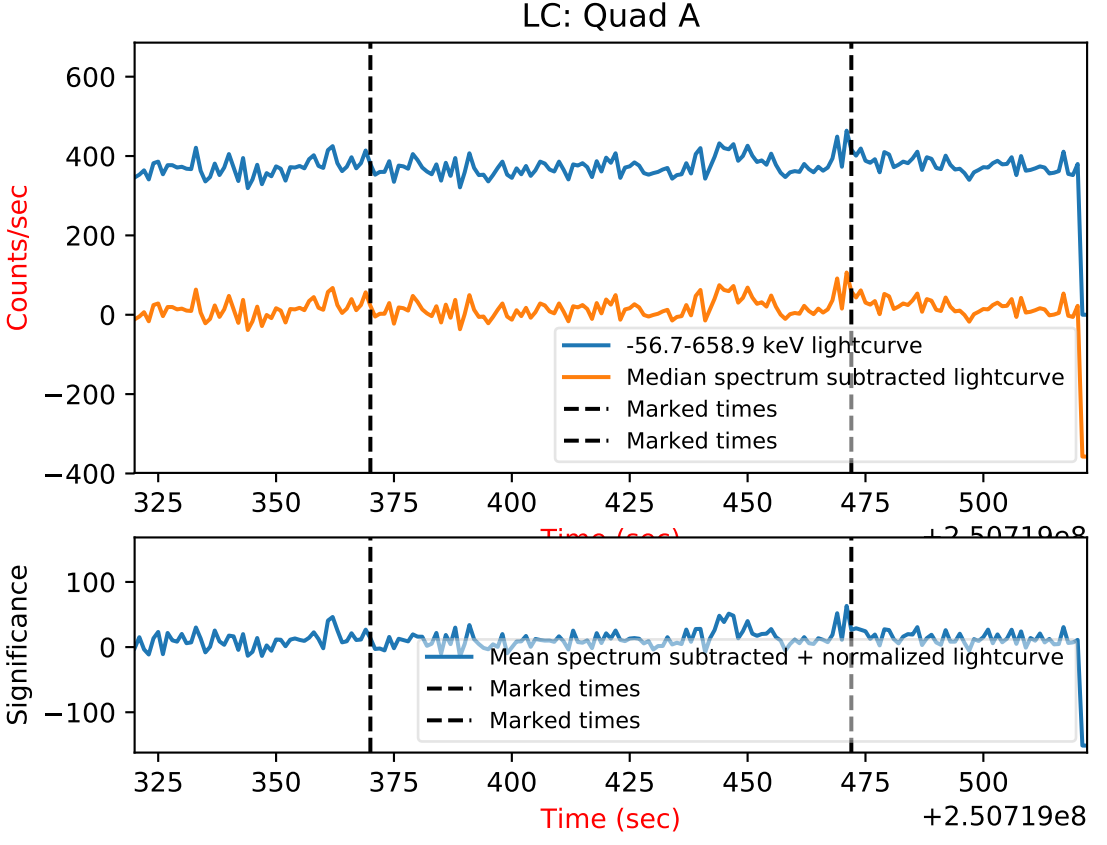
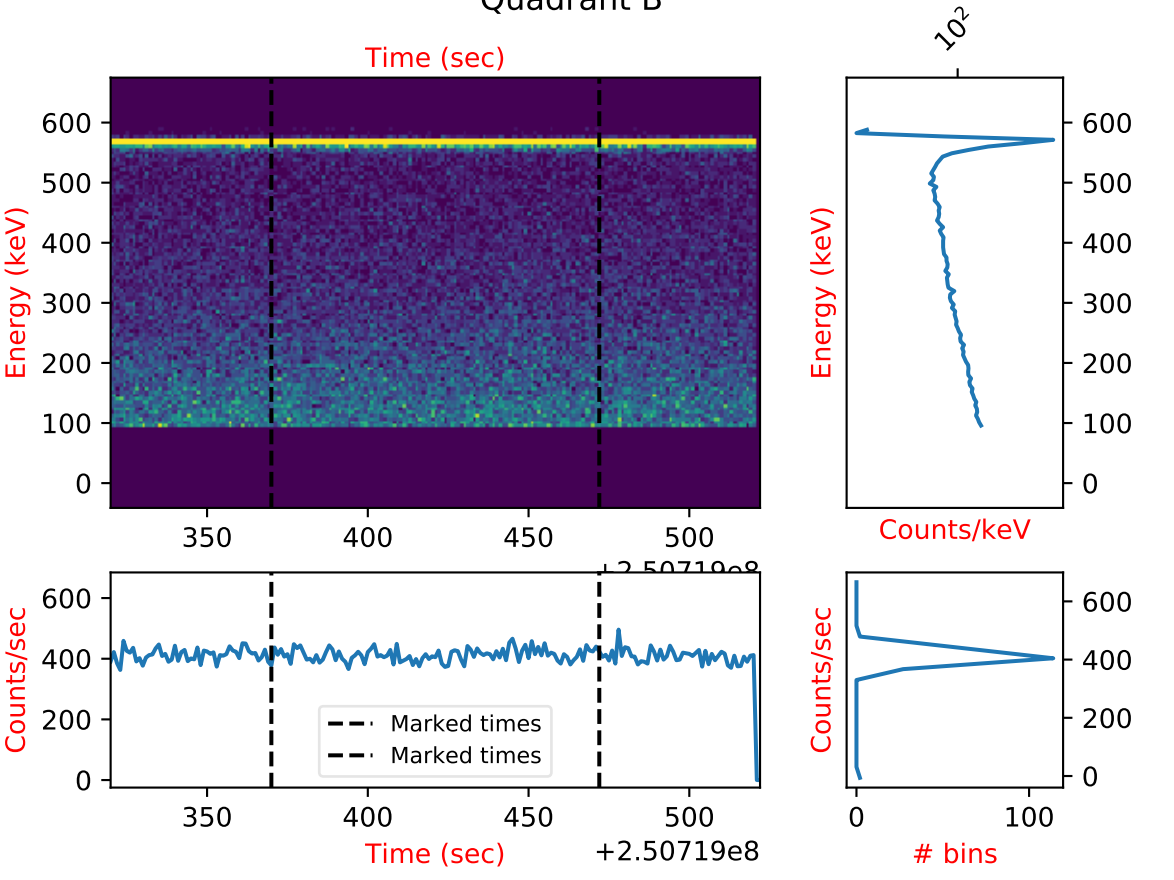
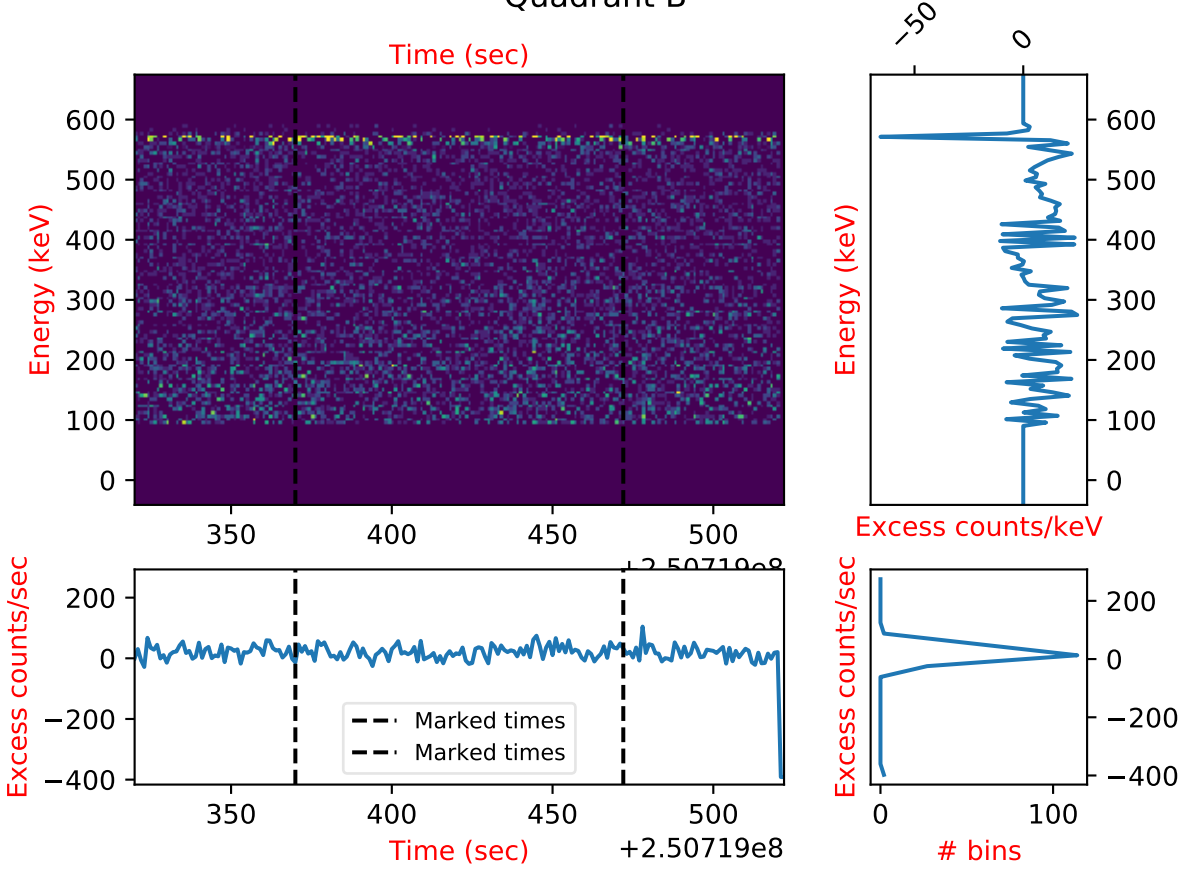

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
350
400
450
500
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
+2.50719e8
bins

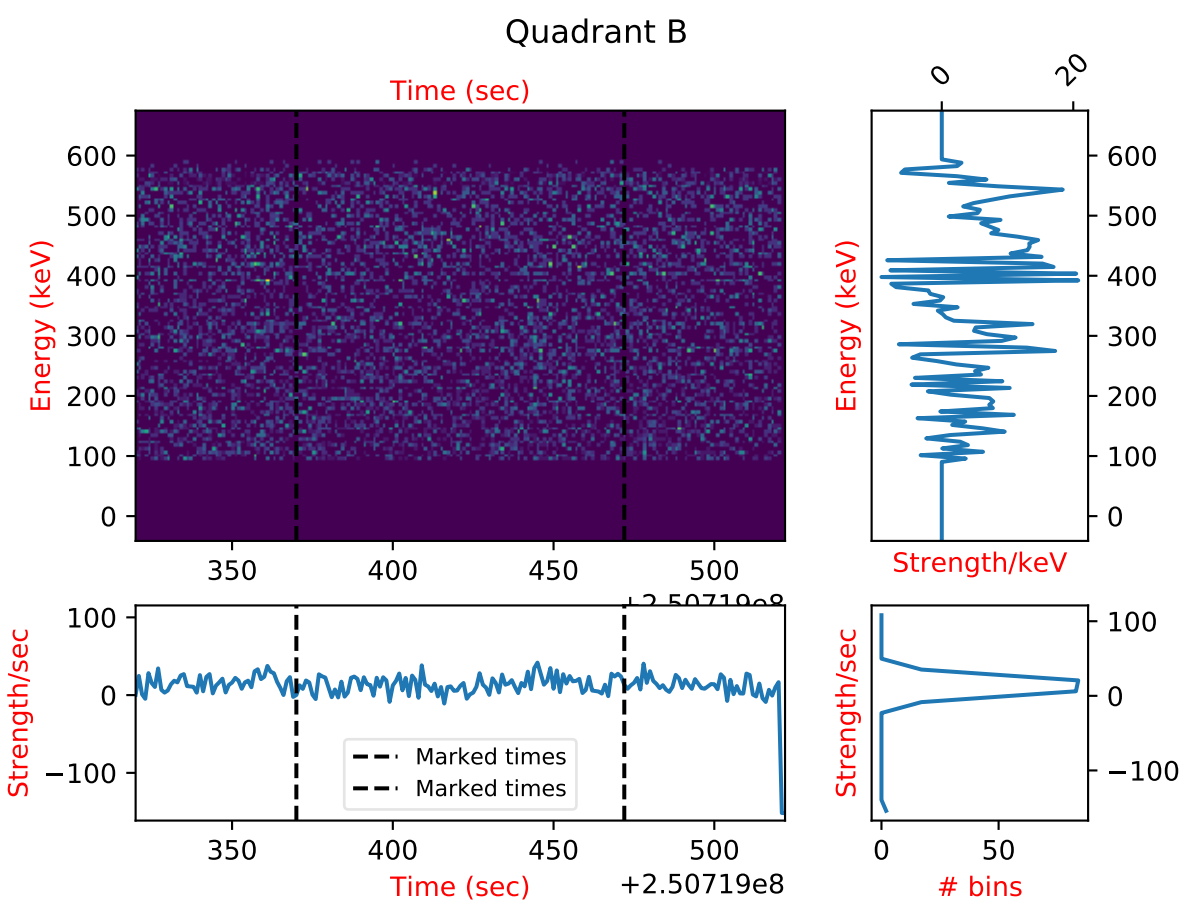

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
350
400
450
500
−50
0
Energy (keV)
Excess counts/keV
Excess counts/sec
200
0
−200
Marked times
Marked times
Time (sec)
+2.50719e8
Excess counts/sec
bins
0
100

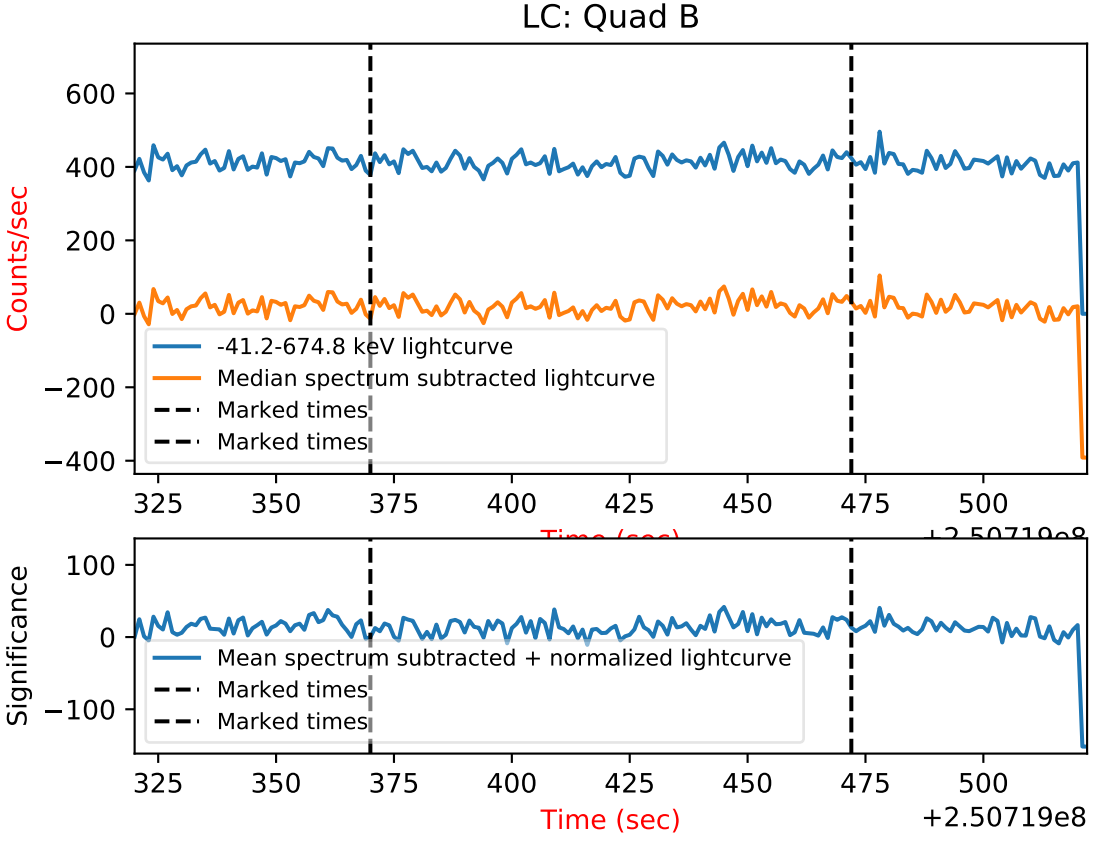

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
350
400
450
500
0
20
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
+2.50719e8
bins

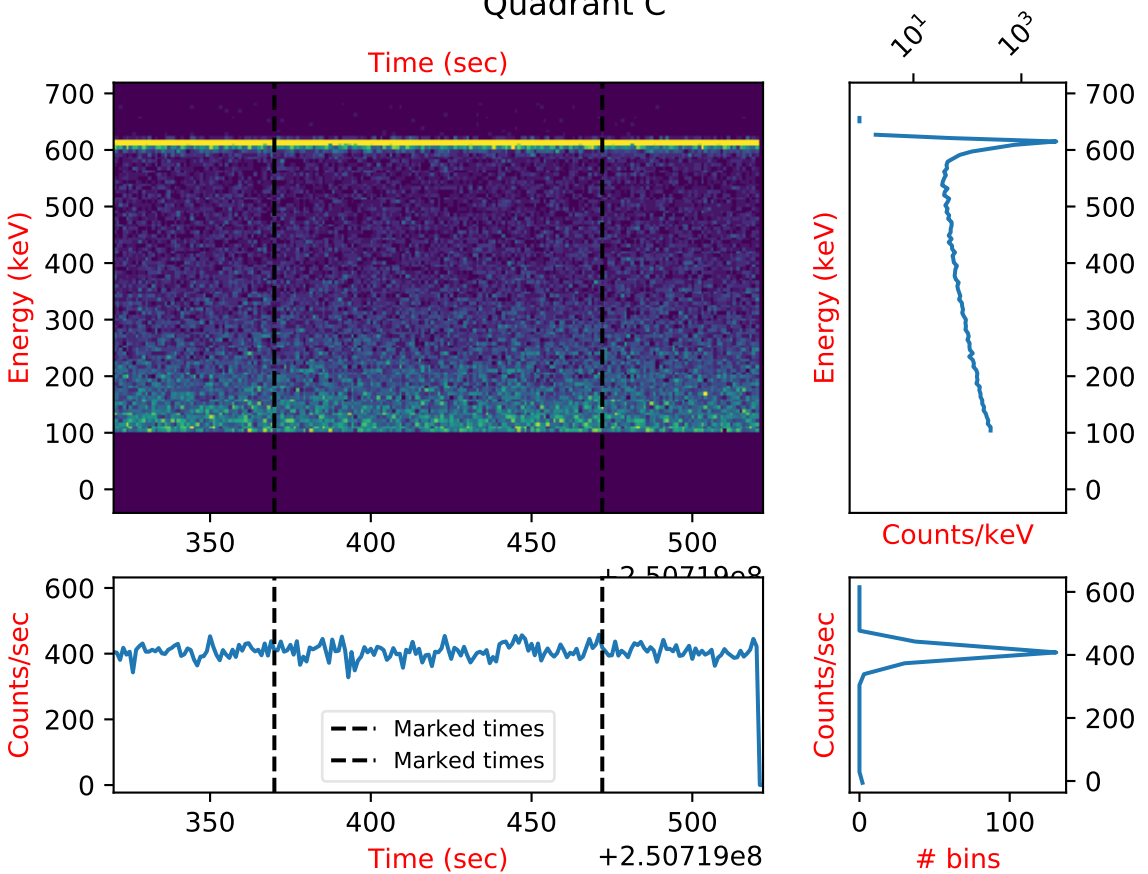

LC: Quad A
Counts/sec
600
400
200
0
−200
−400
325
350
375
400
425
450
475
500
-56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+2.50719e8

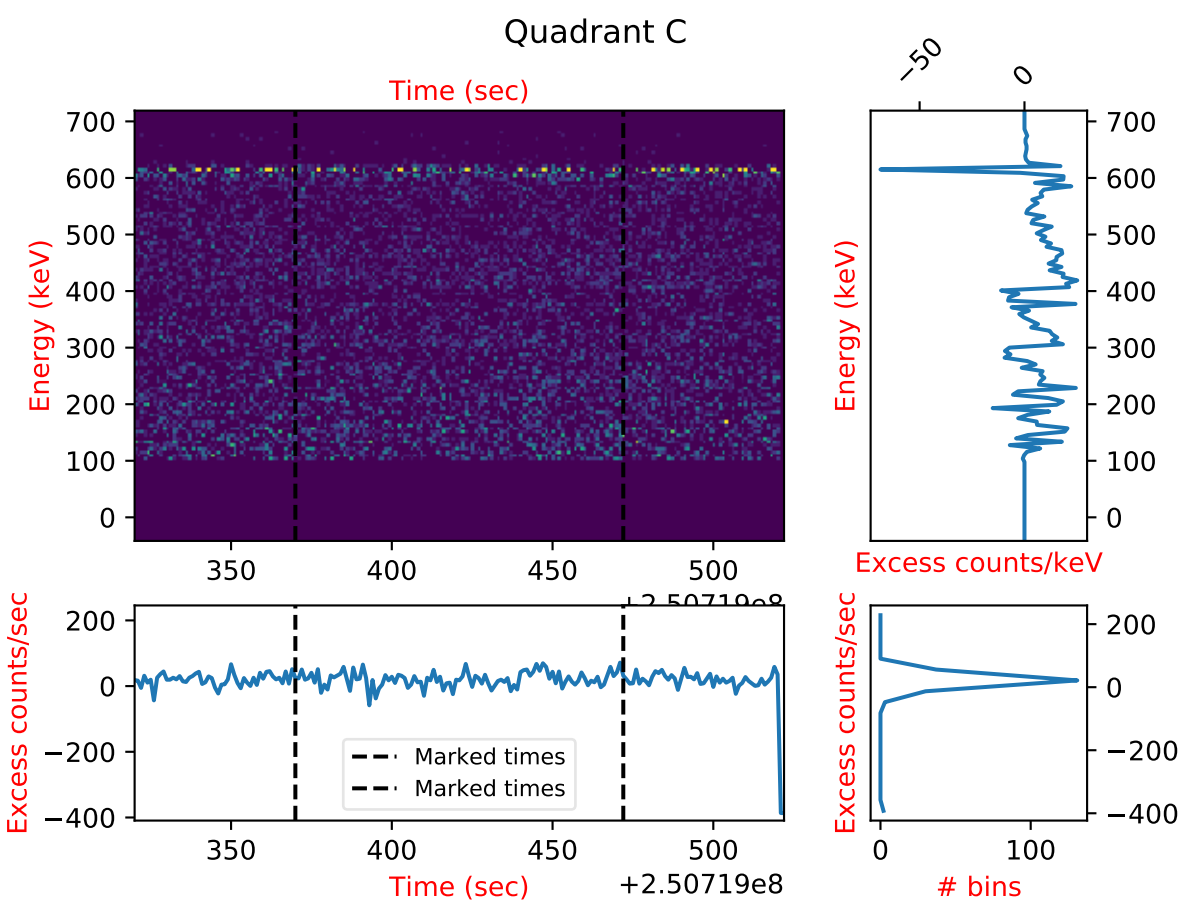

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
350
400
450
500
10^2
Counts/keV
Counts/sec
Marked times
Marked times
+2.50719e8
bins
0
100

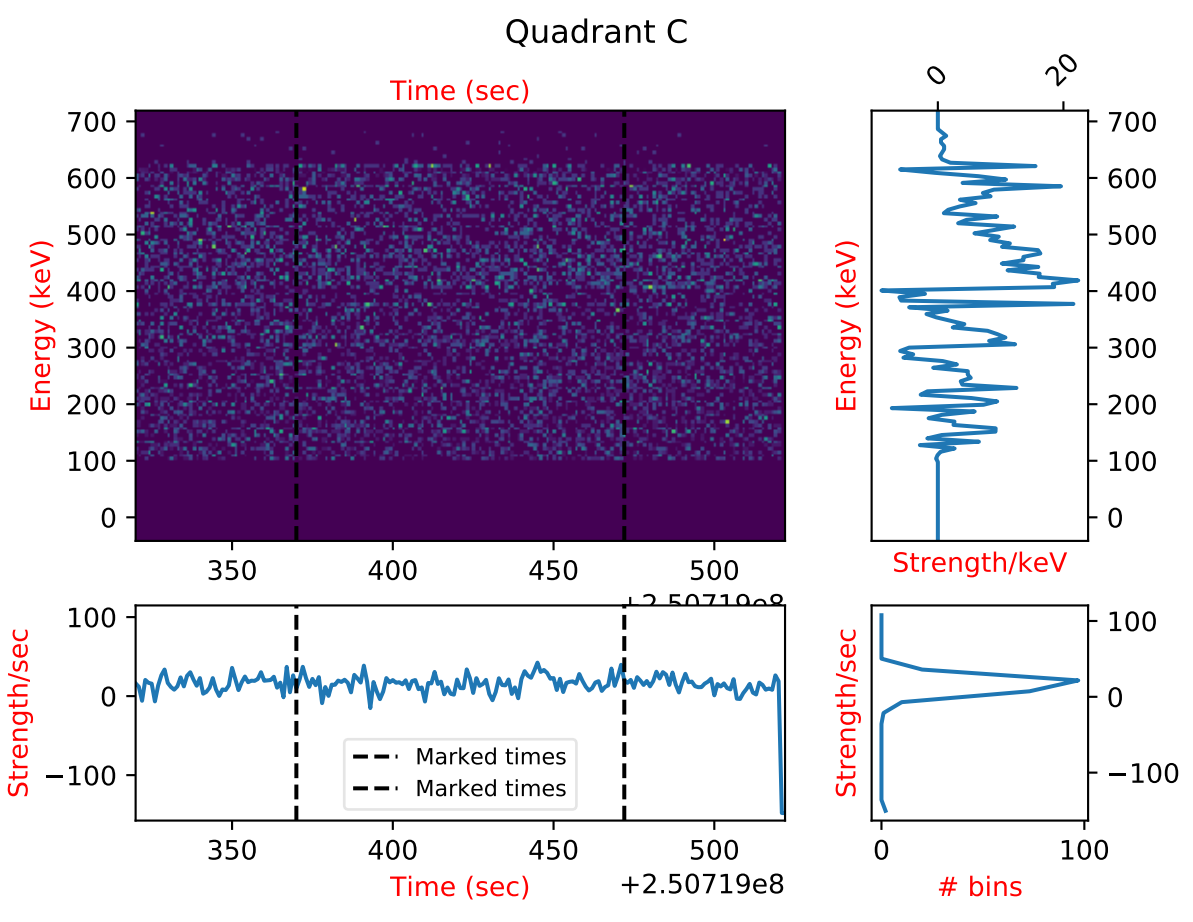

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
350
400
450
500
−50
0
Energy (keV)
Excess counts/keV
Excess counts/sec
200
0
−200
−400
Marked times
Marked times
+2.50719e8
Time (sec)
Excess counts/sec
0
100
bins

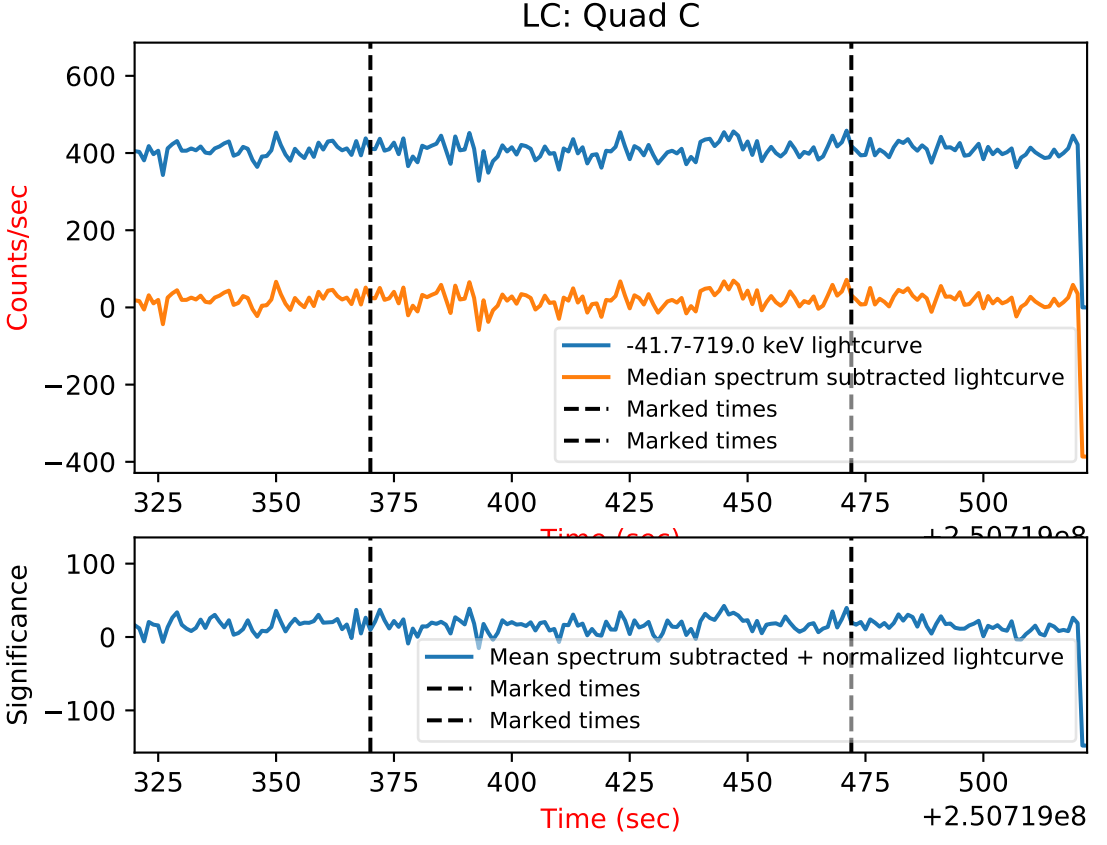

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
350
400
450
500
0
20
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
+2.50719e8
bins
50

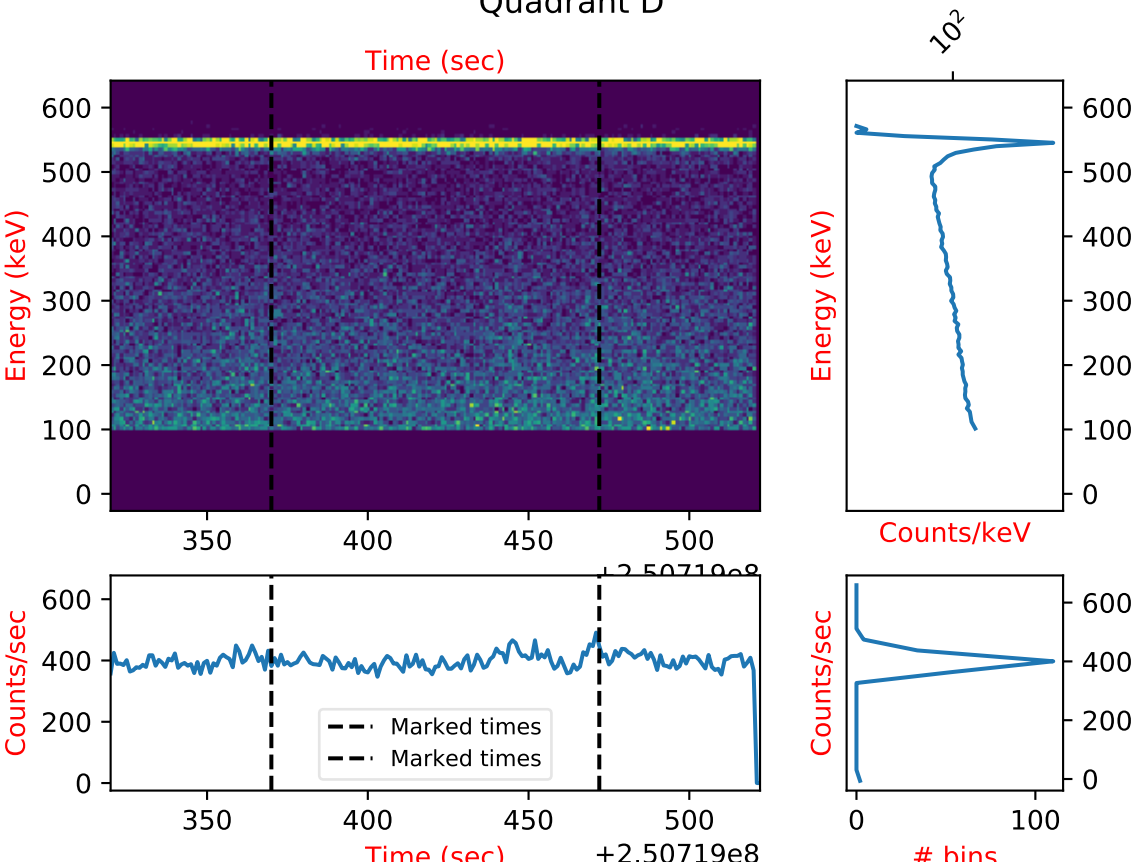

LC: Quad B
Counts/sec
600
400
200
0
−200
−400
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
325
350
375
400
425
450
475
500
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+2.50719e8

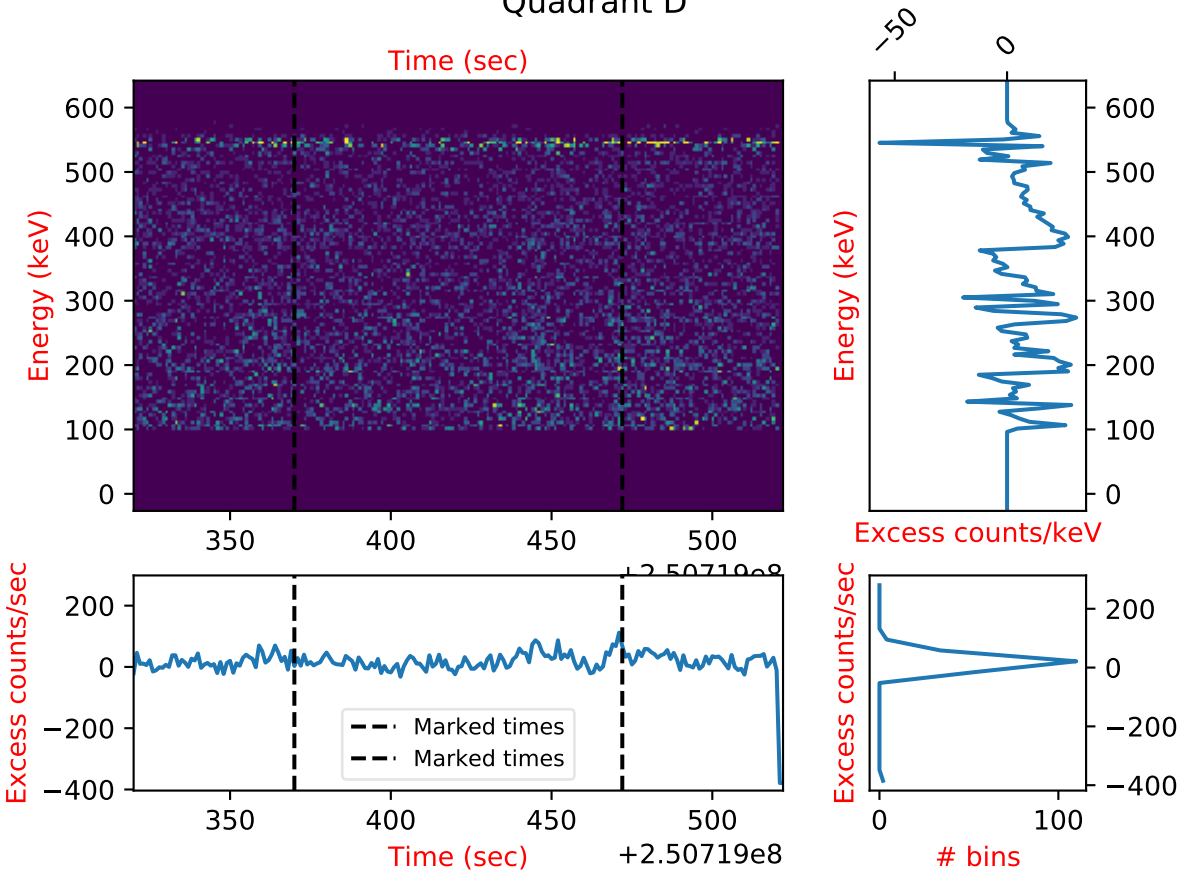

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
350
400
450
500
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
+2.50719e8
bins

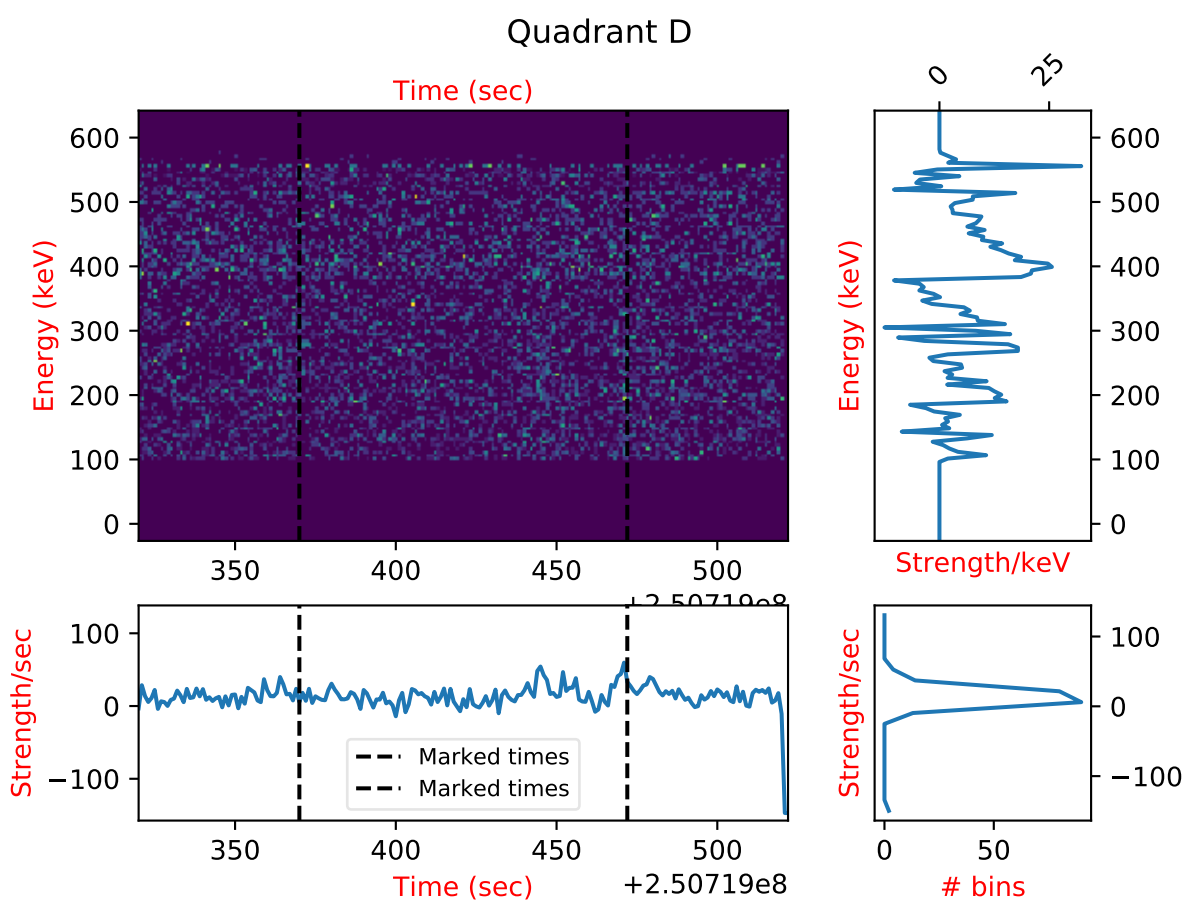

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
350
400
450
500
−50
0
Excess counts/keV
Excess counts/sec
200
0
−200
−400
Marked times
Marked times
+2.50719e8
bins
100

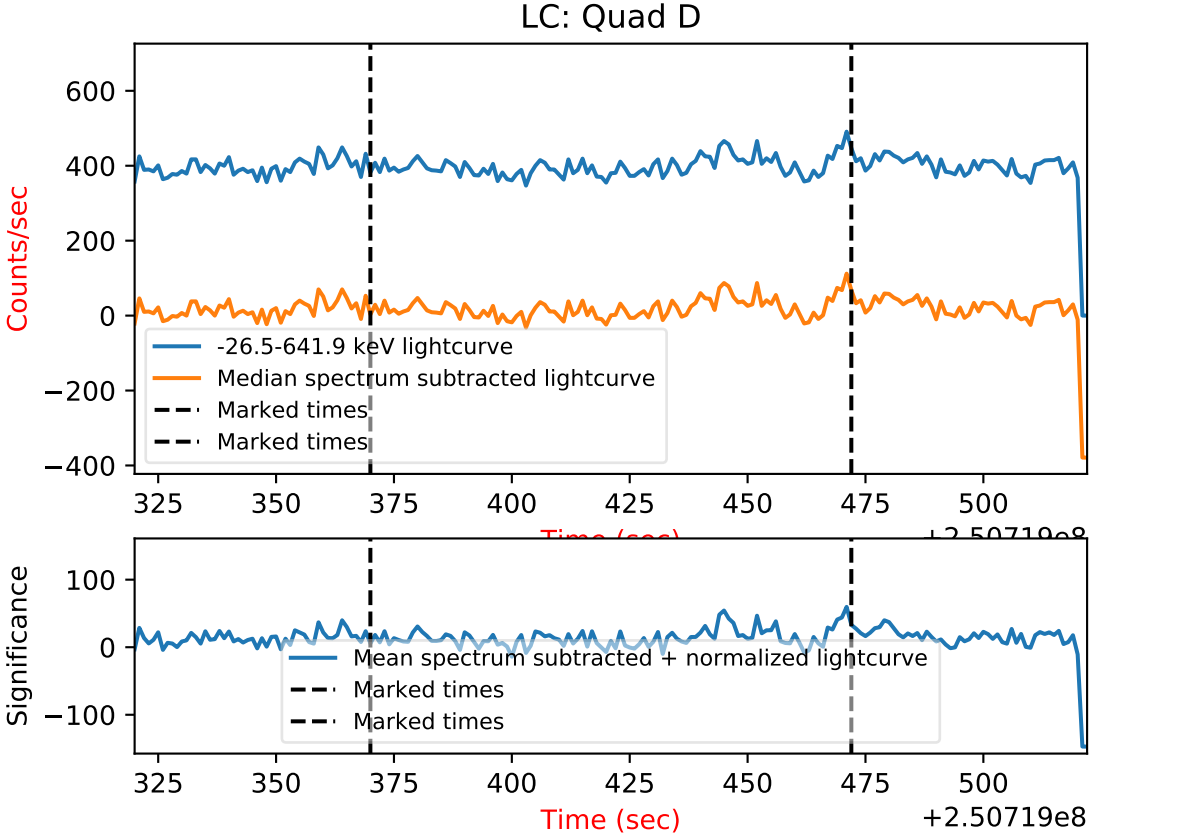

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
350
400
450
500
0
20
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
+2.50719e8
bins

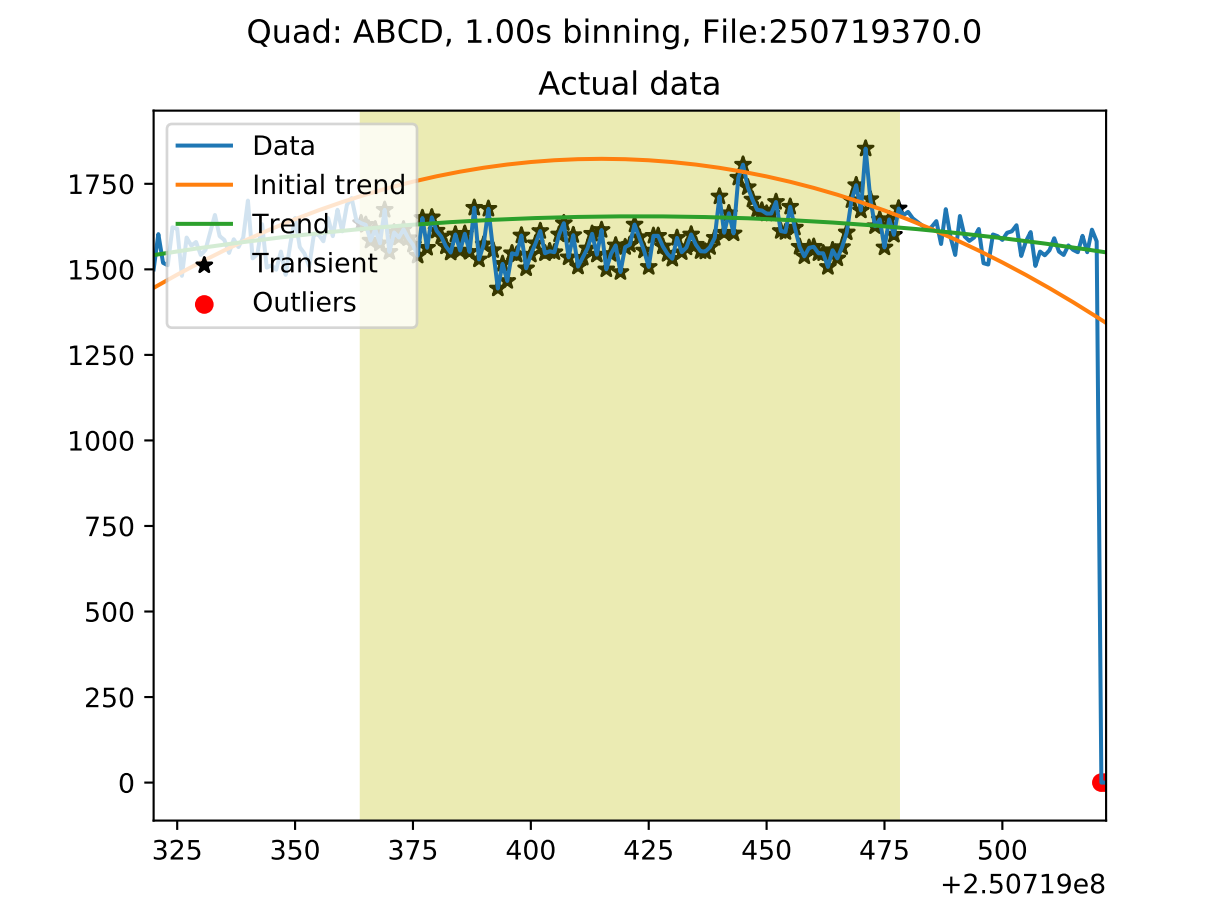

LC: Quad C
Counts/sec
600
400
200
0
−200
−400
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
325
350
375
400
425
450
475
500
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+2.50719e8

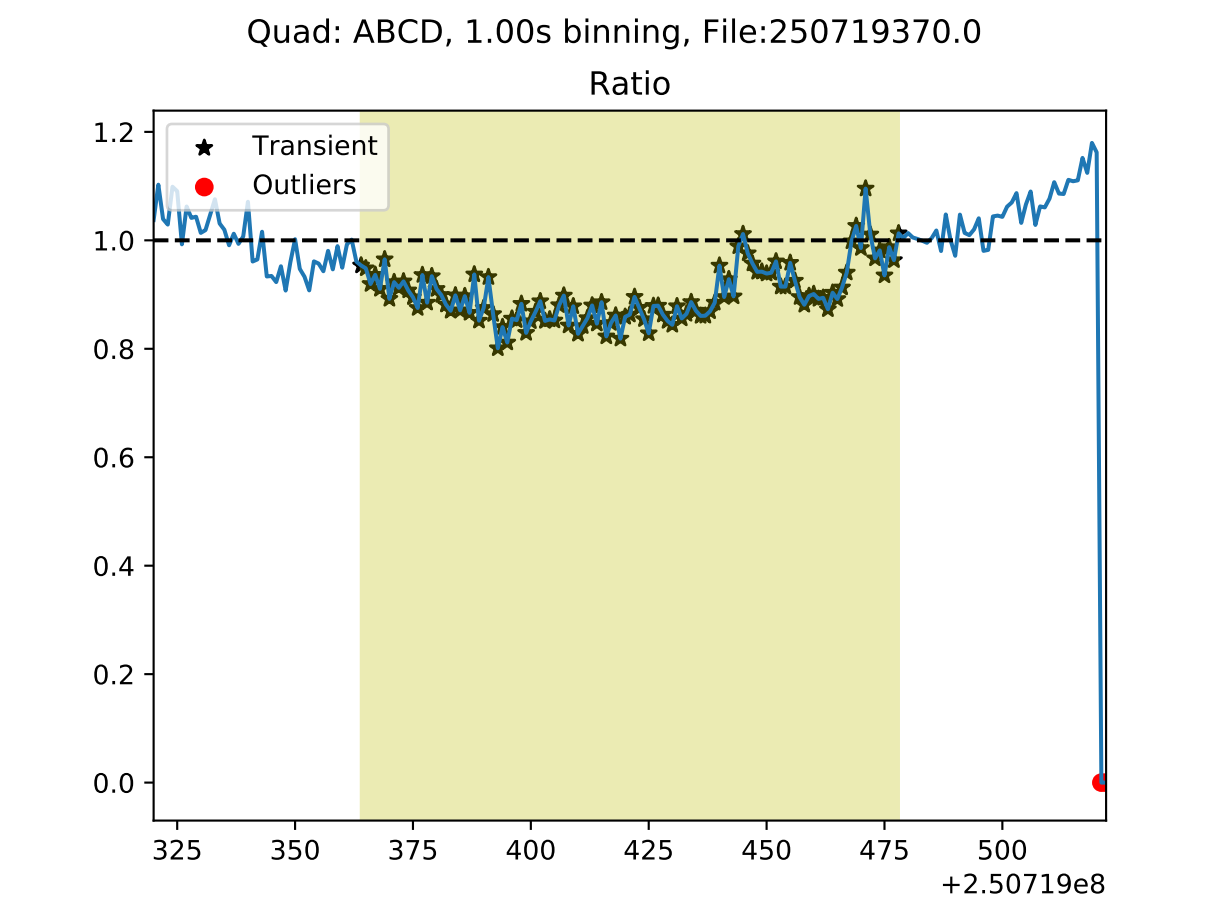

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
350
400
450
500
10^2
Counts/keV
Counts/sec
Marked times
Marked times
+2.50719e8
bins
0
100

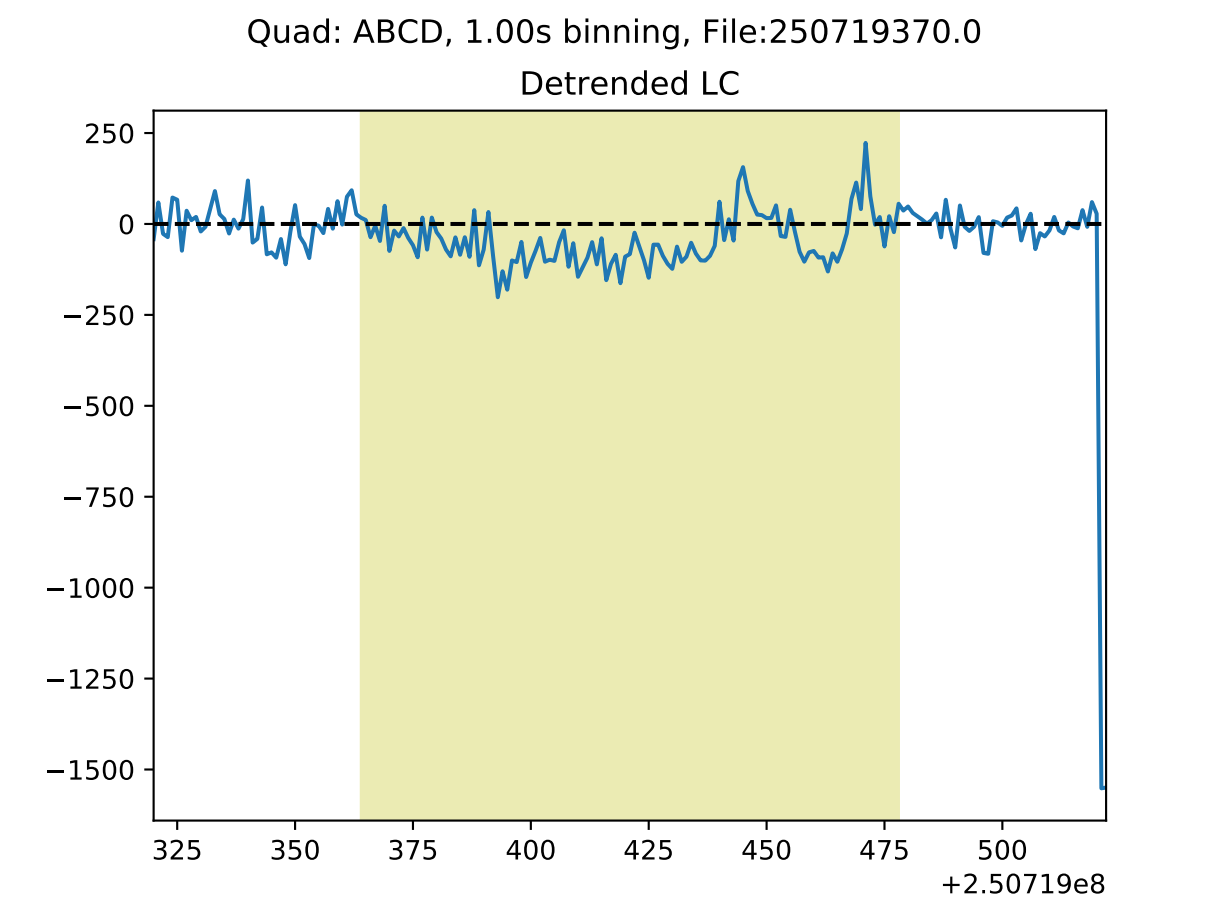

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
350
400
450
500
−50
0
Energy (keV)
Excess counts/keV
Excess counts/sec
200
0
−200
−400
Marked times
Marked times
+2.50719e8
Time (sec)
Excess counts/sec
bins
100


Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
350
400
450
500
0
25
Strength/keV
Strength/sec
100
0
−100
Marked times
Marked times
+2.50719e8
bins
50

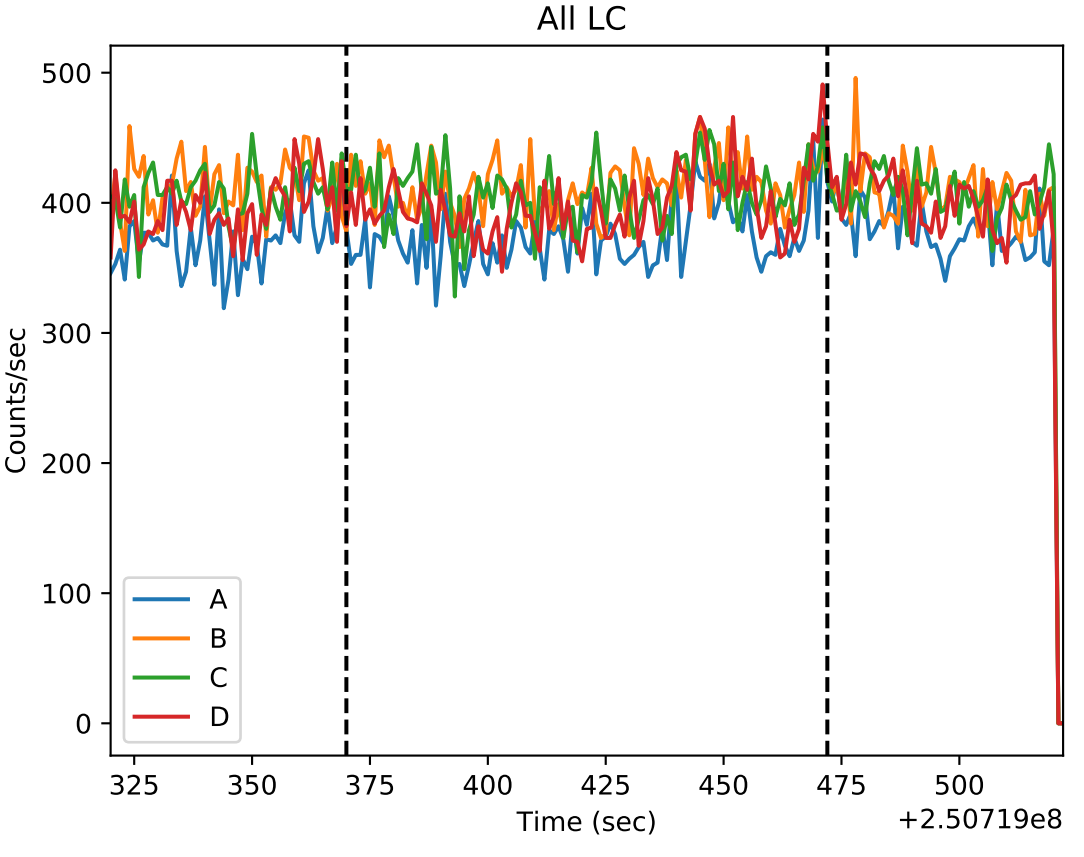

LC: Quad D
Counts/sec
600
400
200
0
−200
−400
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
325
350
375
400
425
450
475
500
Time (sec)
+2.50719e8
Significance
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
325
350
375
400
425
450
475
500
Time (sec)
+2.50719e8


Quad: ABCD, 1.00s binning, File:250719370.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
1750
1500
1250
1000
750
500
250
0
325
350
375
400
425
450
475
500
+2.50719e8


Quad: ABCD, 1.00s binning, File:250719370.0
Ratio
Transient
Outliers
1.2
1.0
0.8
0.6
0.4
0.2
0.0
325
350
375
400
425
450
475
500
+2.50719e8


Quad: ABCD, 1.00s binning, File:250719370.0
Detrended LC
250
0
−250
−500
−750
−1000
−1250
−1500
325
350
375
400
425
450
475
500
+2.50719e8

Quad: ABCD, 1.00s binning, File:250719370.0
T90 measurement
Without outlier rejection
With outlier rejection
T90 = 59.58
1.0
0.8
0.6
0.4
0.2
0.0
325
350
375
400
425
450
475
500
+2.50719e8


All LC
Counts/sec
Time (sec)
+2.50719e8
A
B
C
D
0
100
200
300
400
500
325
350
375
400
425
450
475
500