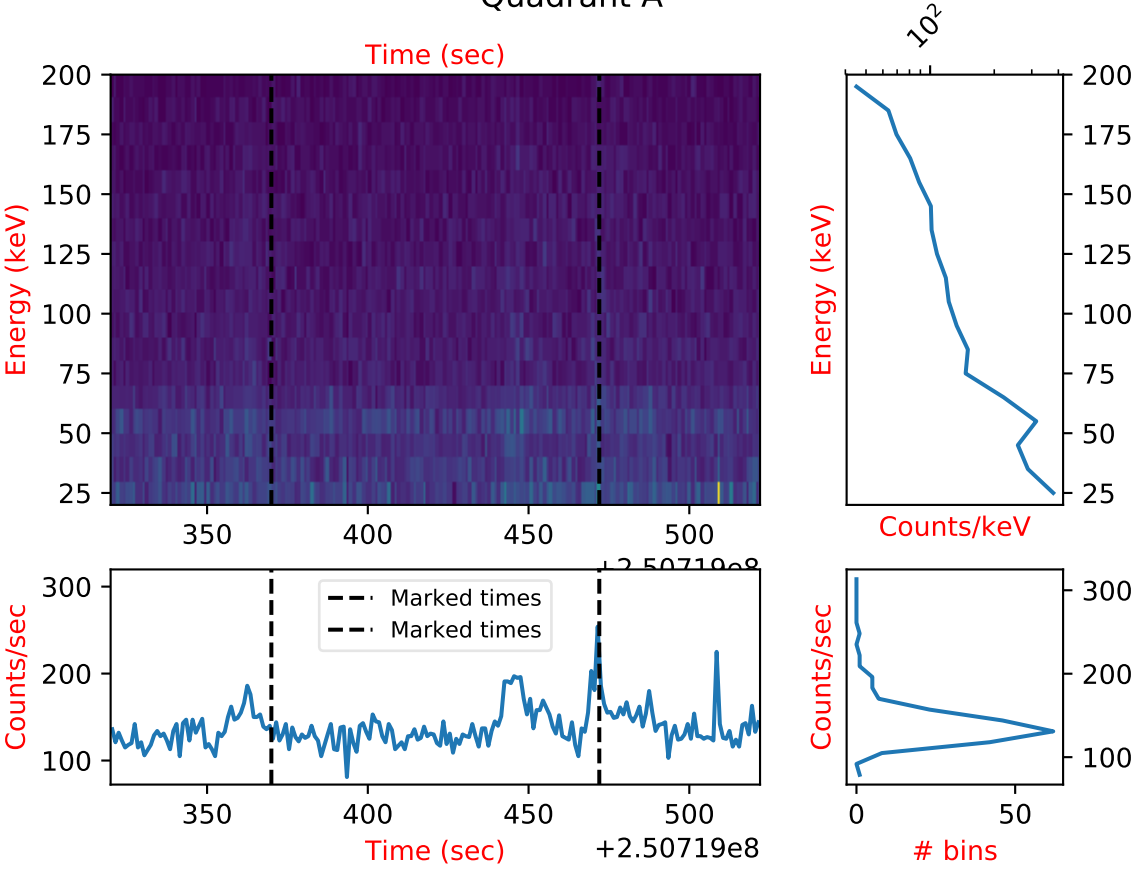
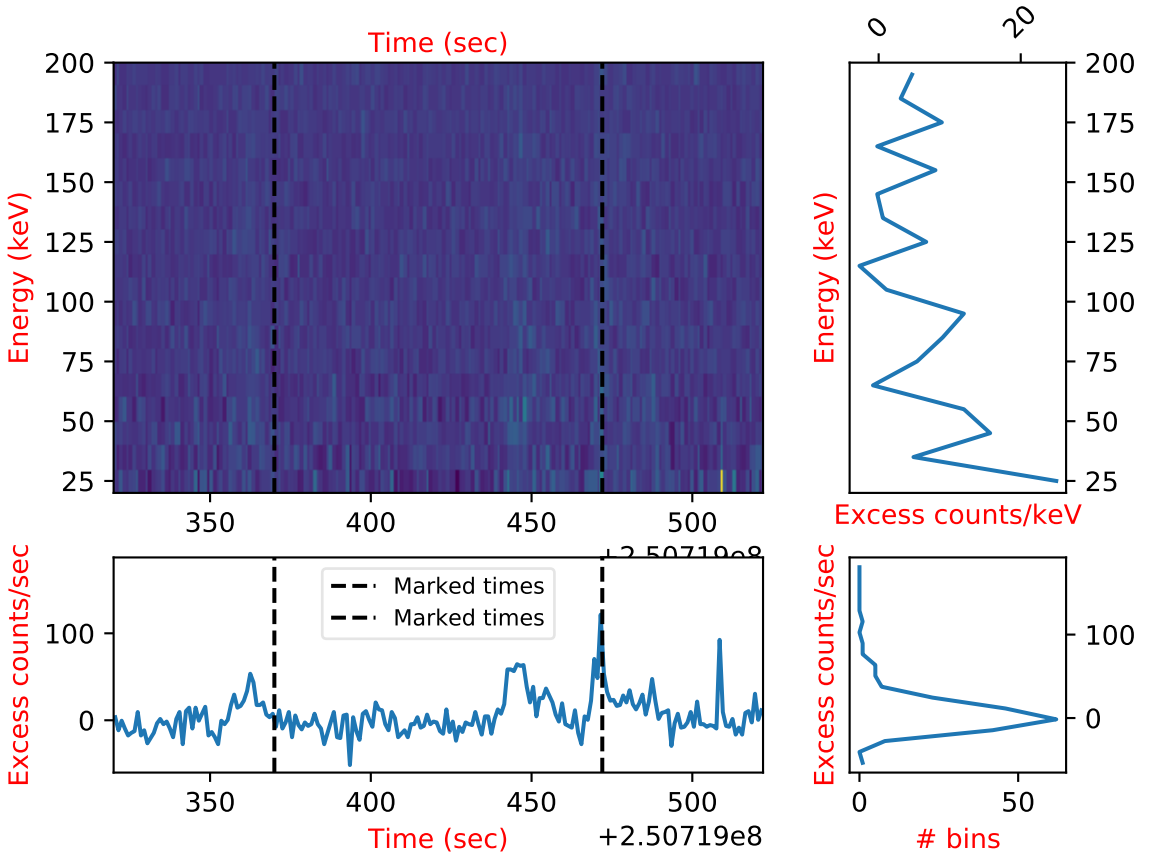
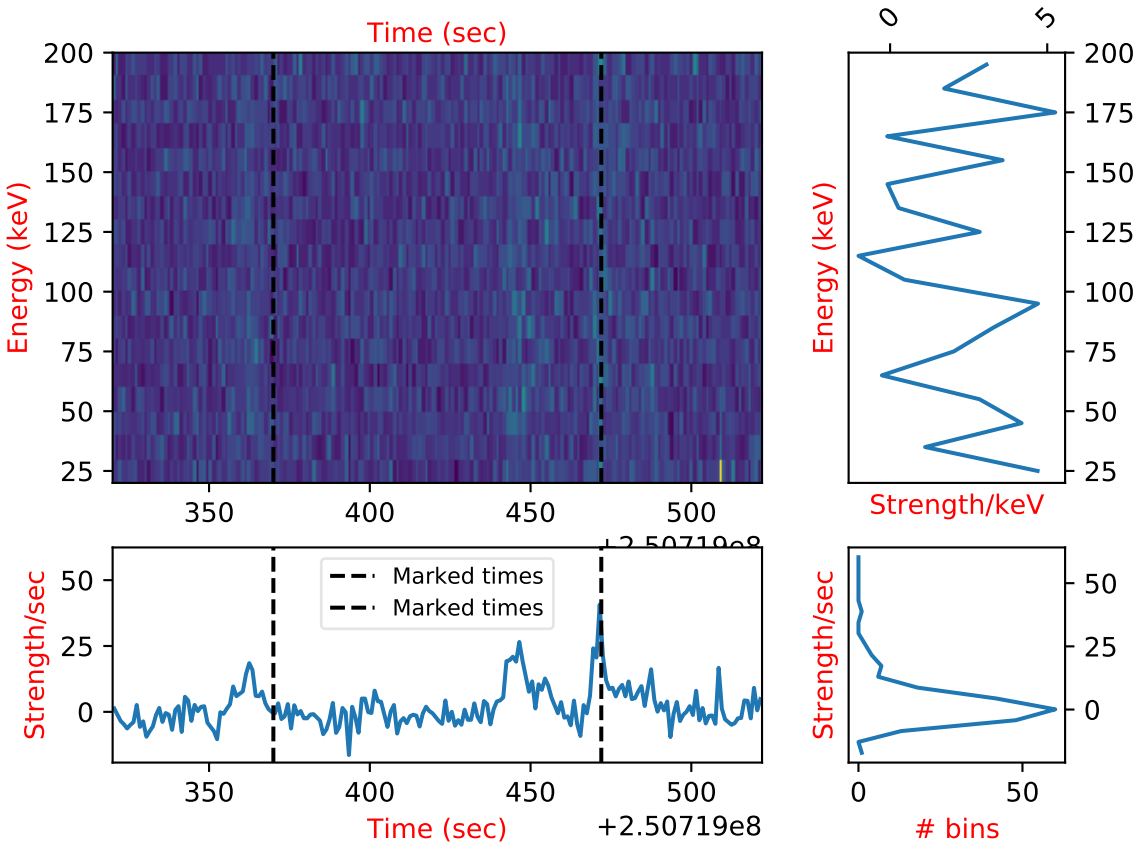
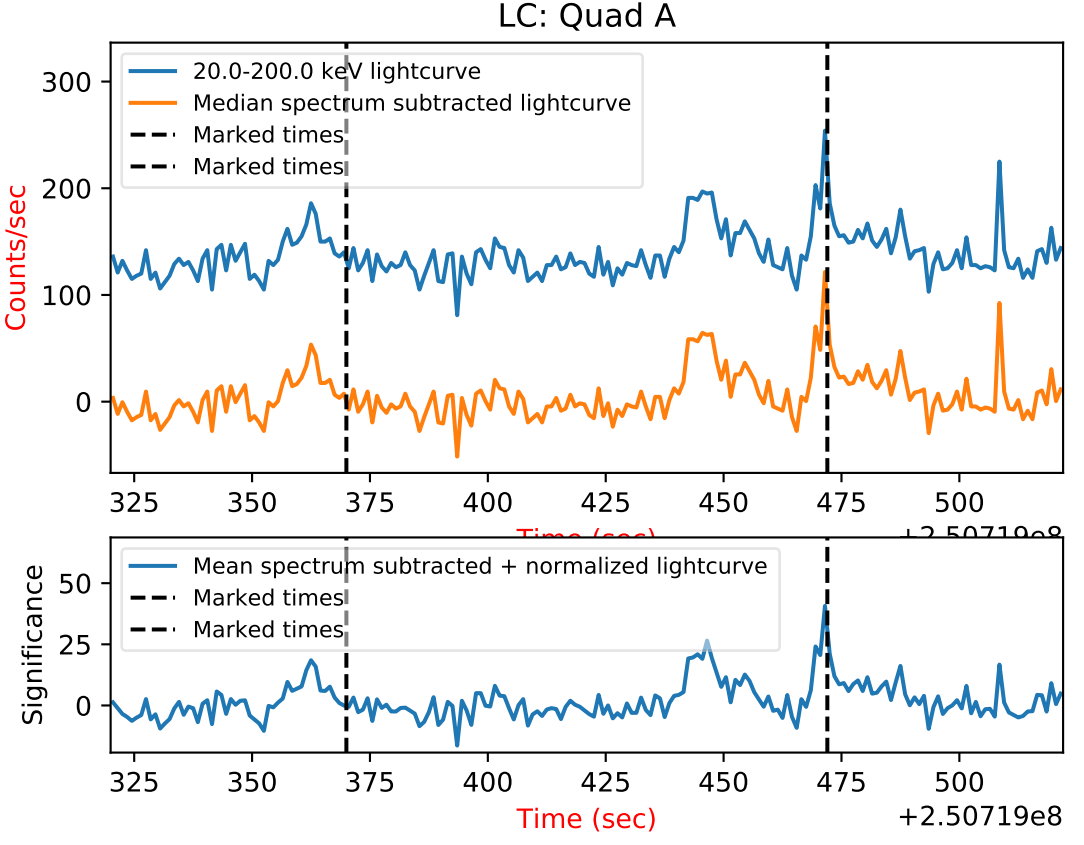
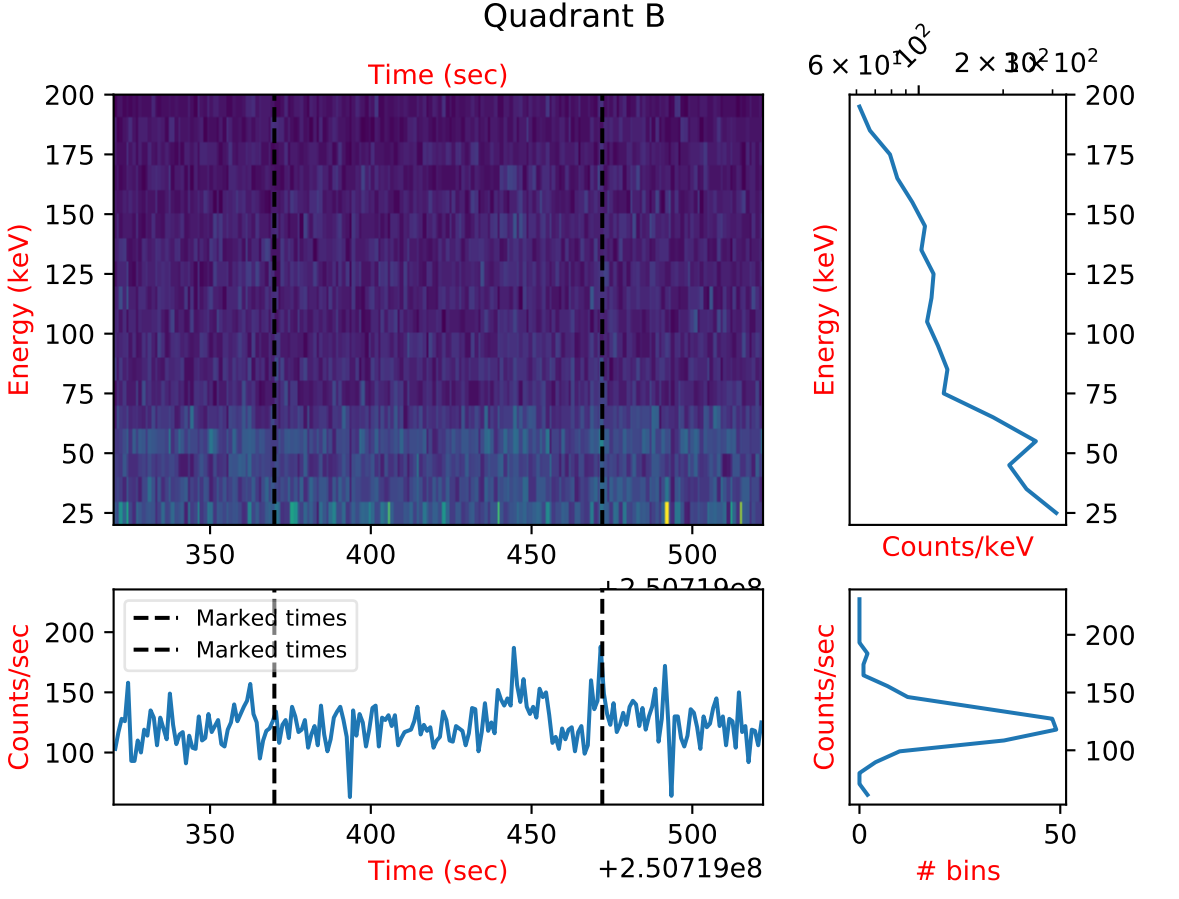
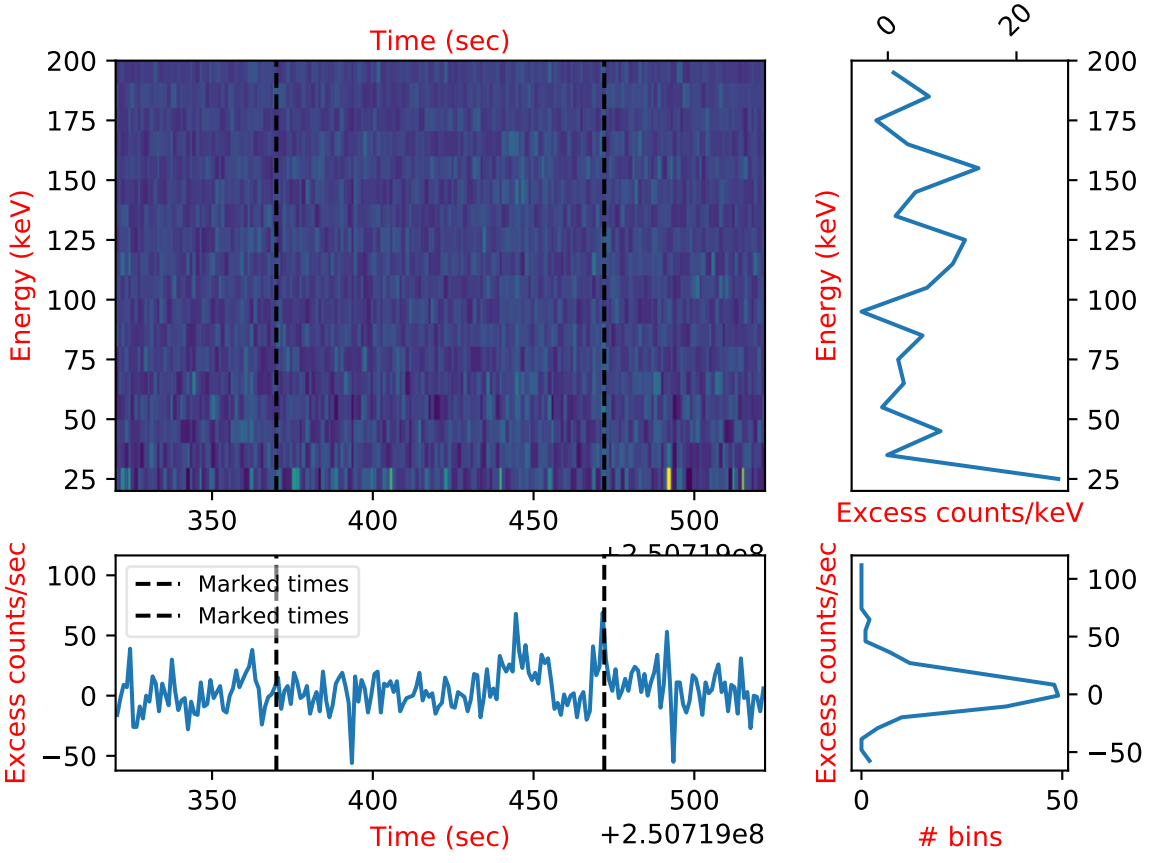

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
350
400
450
500
10^2
Counts/keV
Marked times
Marked times
Counts/sec
300
200
100
+2.50719e8
0
50
bins

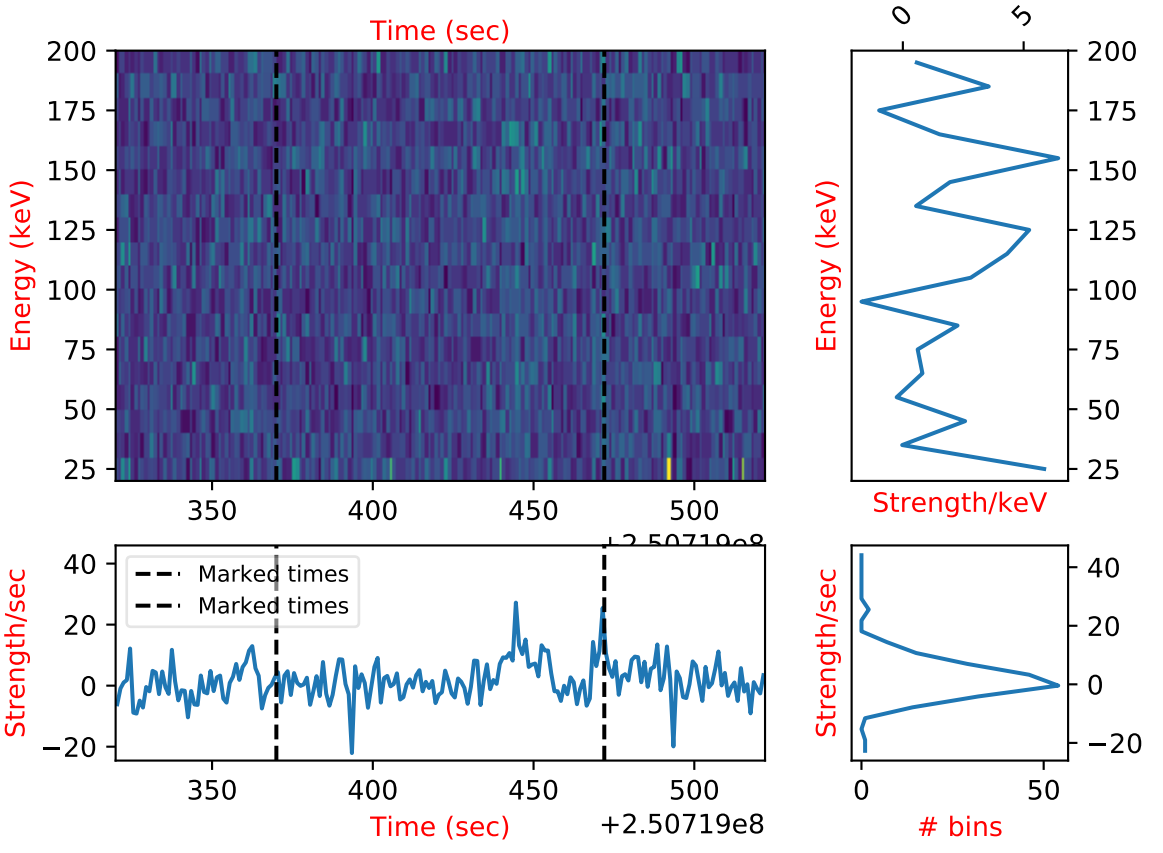

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
350
400
450
500
0
20
Excess counts/keV
Marked times
Marked times
Excess counts/sec
100
0
+2.50719e8
bins
50

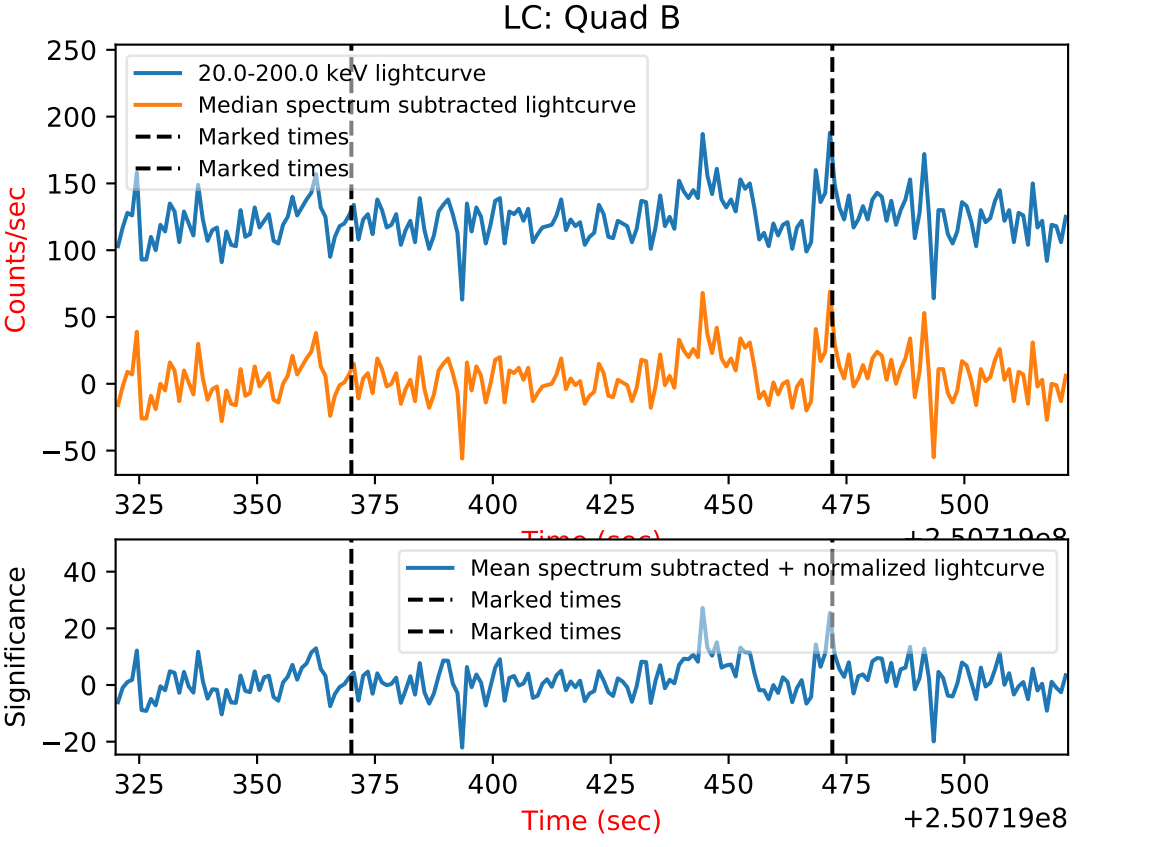

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
350
400
450
500
0
5
Strength/keV
Strength/sec
Marked times
Marked times
50
25
0
+2.50719e8
bins

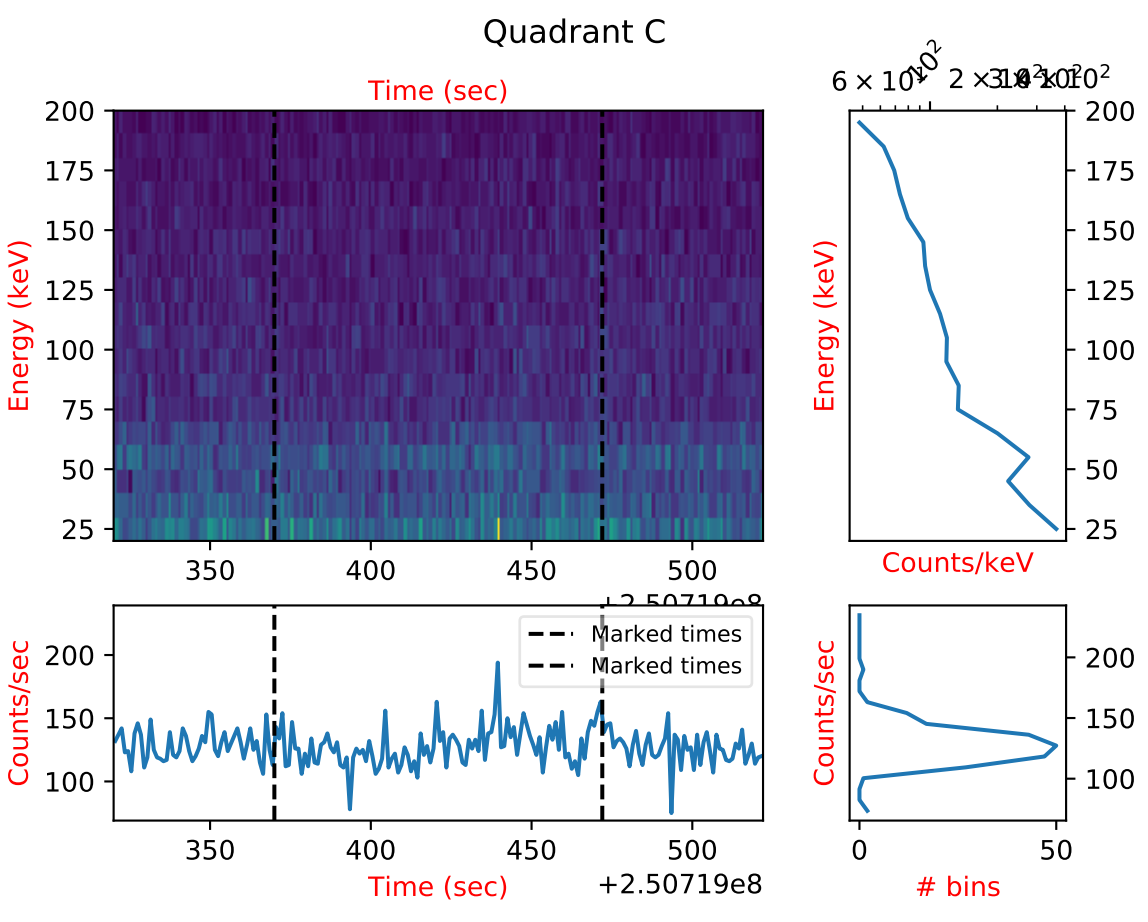

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
200
100
0
325
350
375
400
425
450
475
500
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
50
25
0
Time (sec)
+2.50719e8


Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
350
400
450
500
6×10^2
2×10^2
Counts/keV
Marked times
Marked times
Counts/sec
Time (sec)
+2.50719e8
bins
0
50

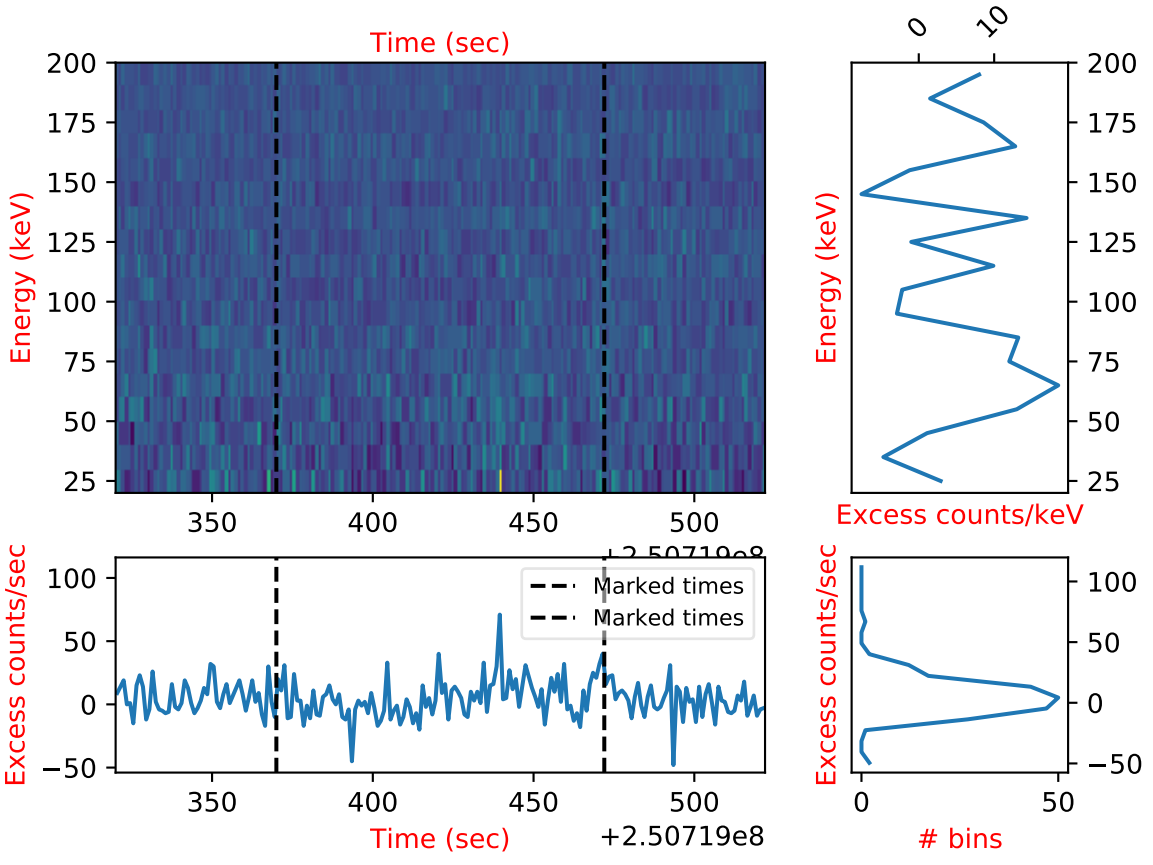

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
350
400
450
500
0
20
Excess counts/keV
Excess counts/sec
100
50
0
−50
Marked times
Marked times
Time (sec)
+2.50719e8
bins

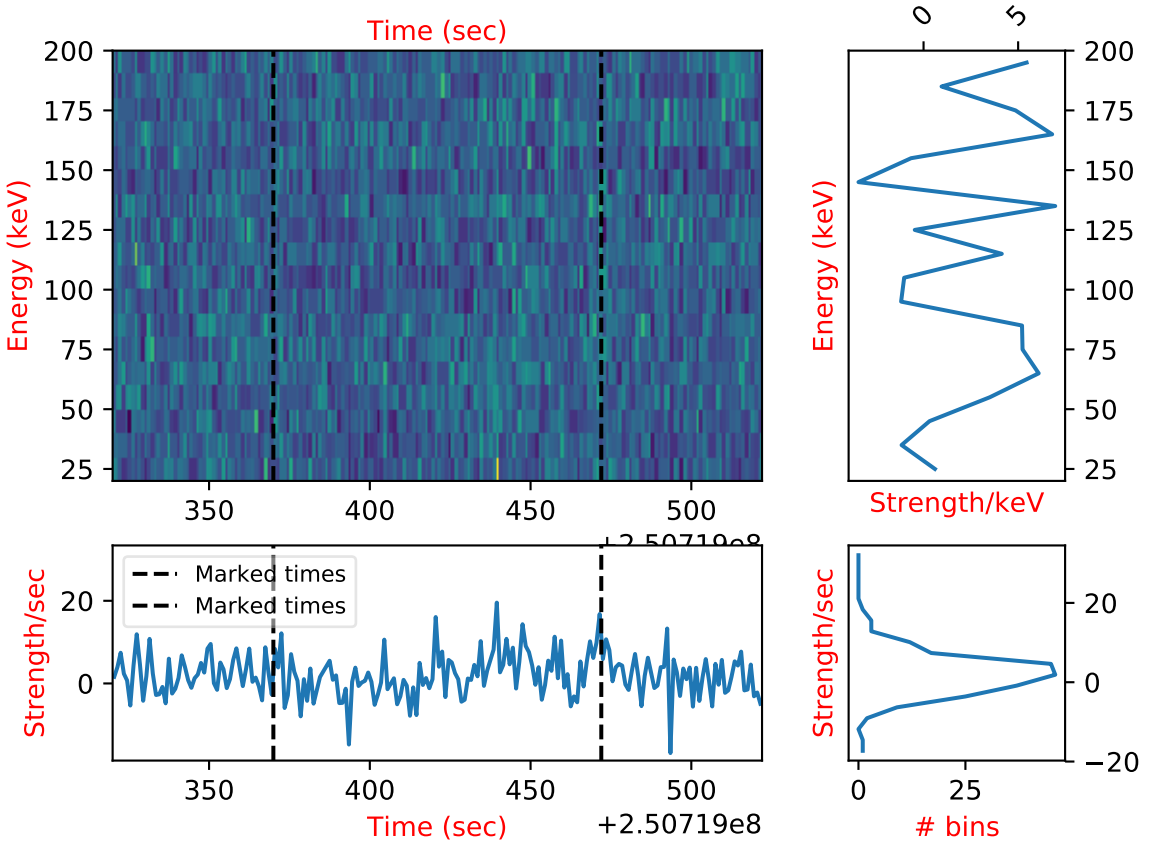

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
350
400
450
500
0
5
Strength/keV
Strength/sec
40
20
0
−20
Marked times
Marked times
+2.50719e8
bins

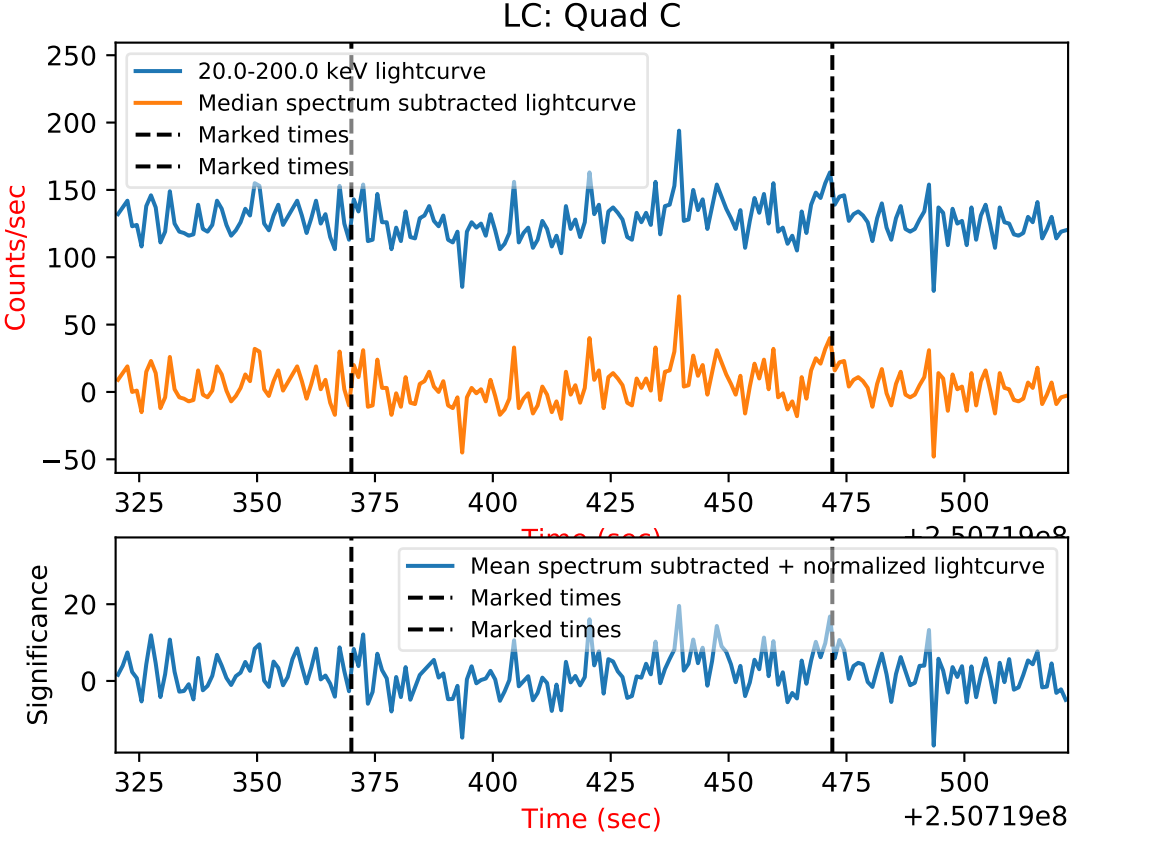

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
325
350
375
400
425
450
475
500
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
40
20
0
−20
Time (sec)
+2.50719e8

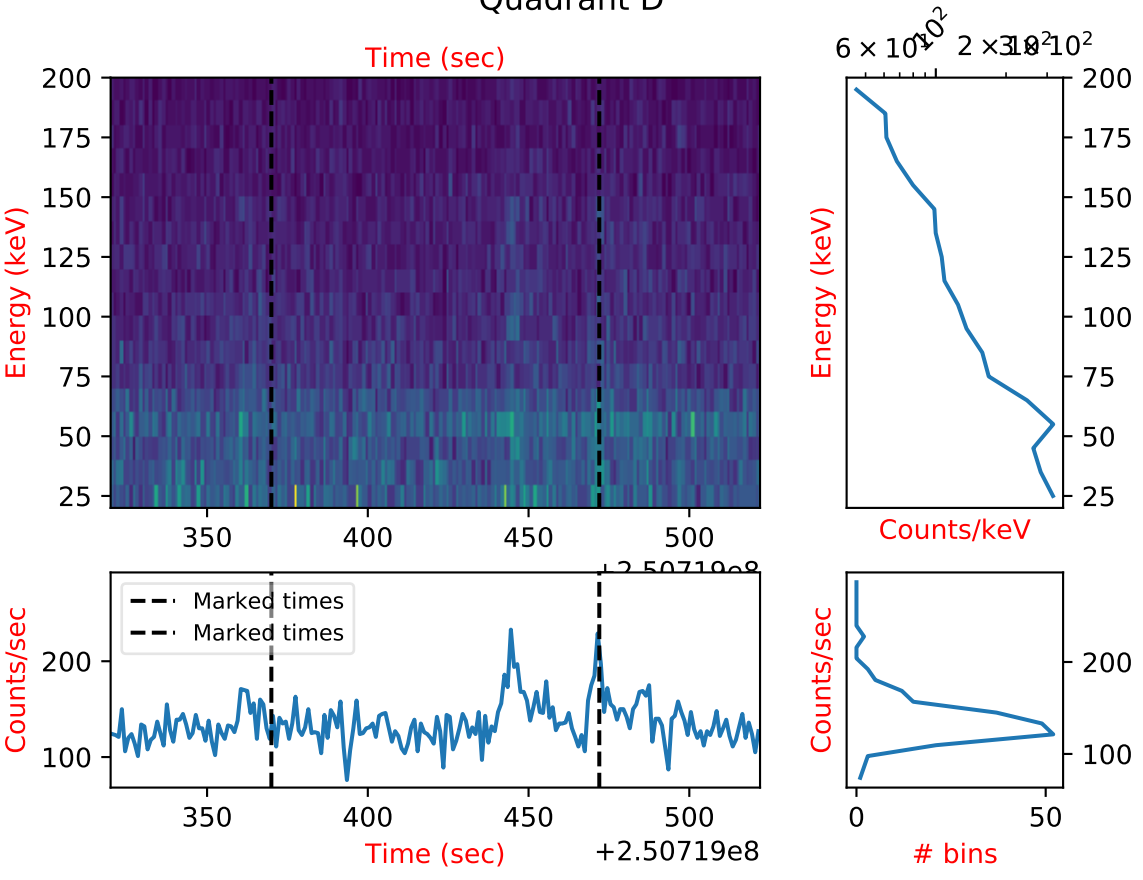


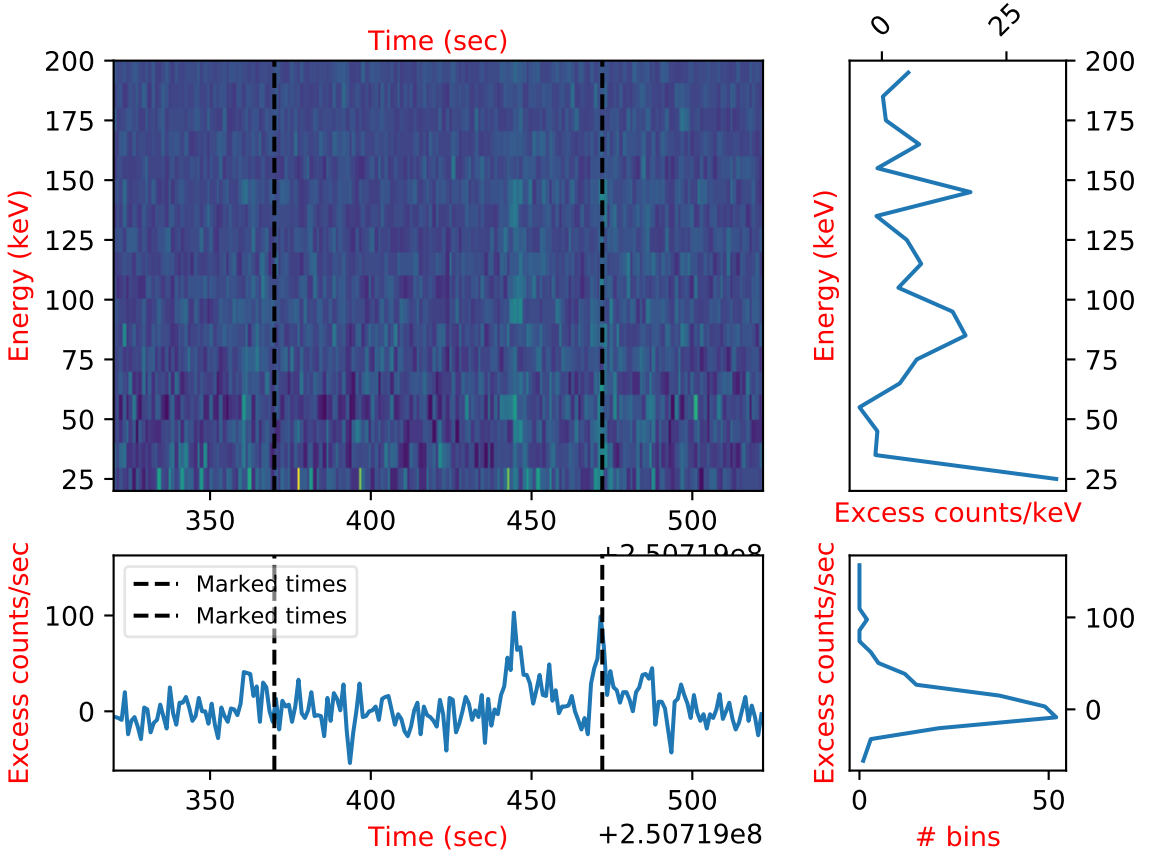
Quadrant C
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
Marked times
Marked times
+2.50719e8
bins

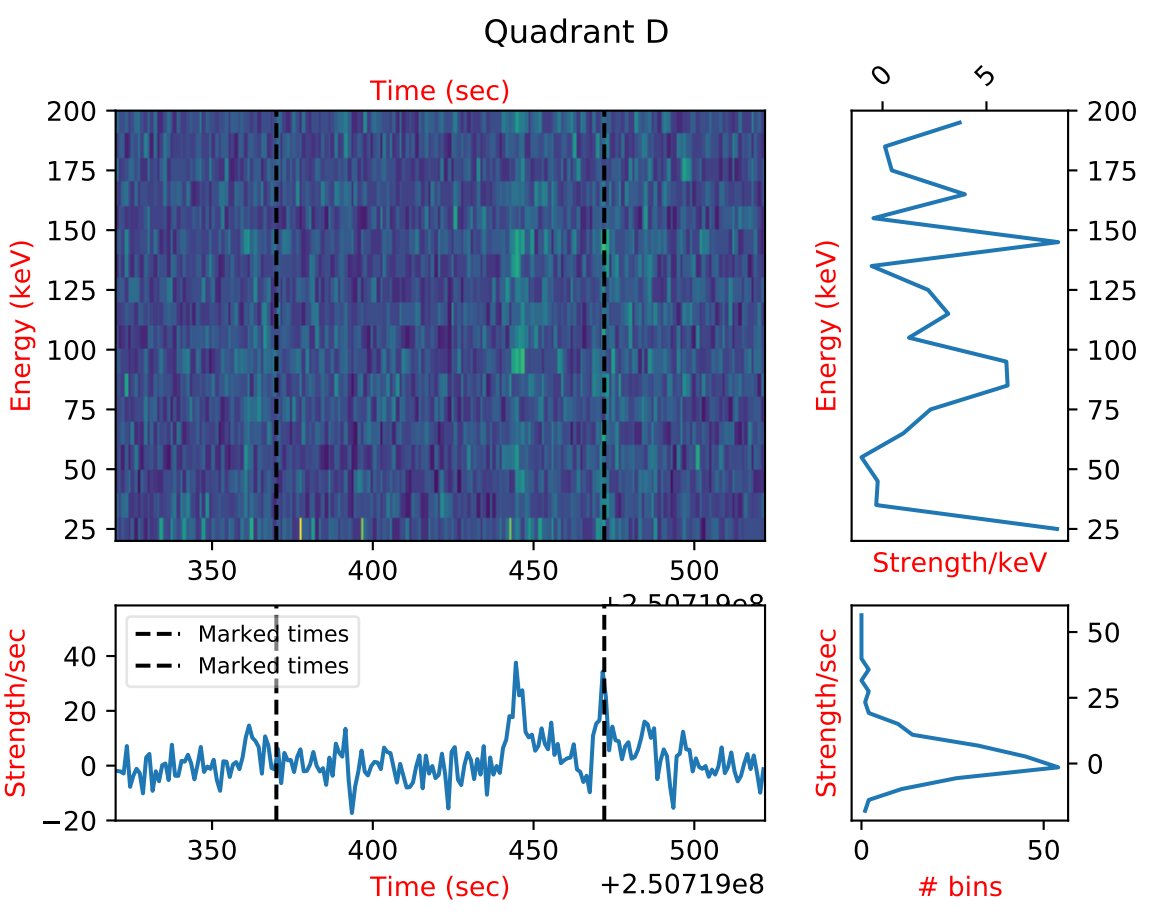

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
350
400
450
500
0
10
Excess counts/keV
Excess counts/sec
100
50
0
−50
Marked times
Marked times
+2.50719e8
bins

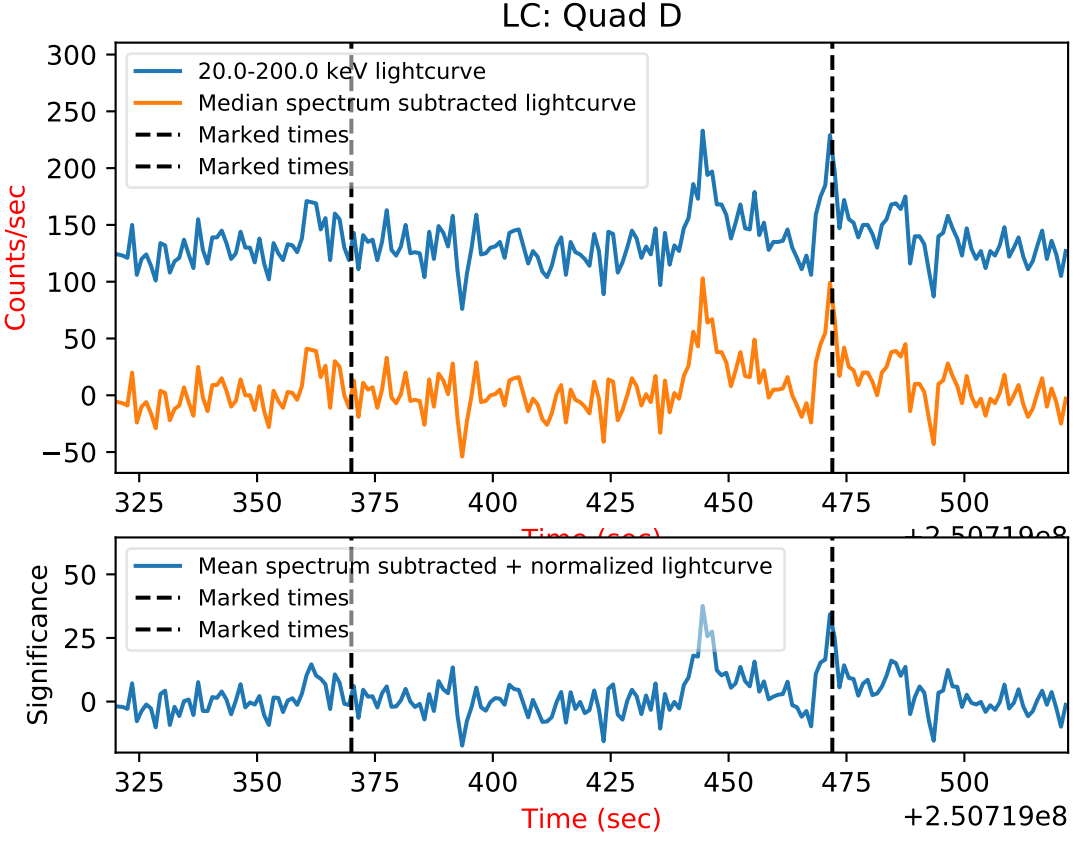

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
350
400
450
500
0
5
Strength/keV
Strength/sec
Marked times
Marked times
20
0
−20
+2.50719e8
bins

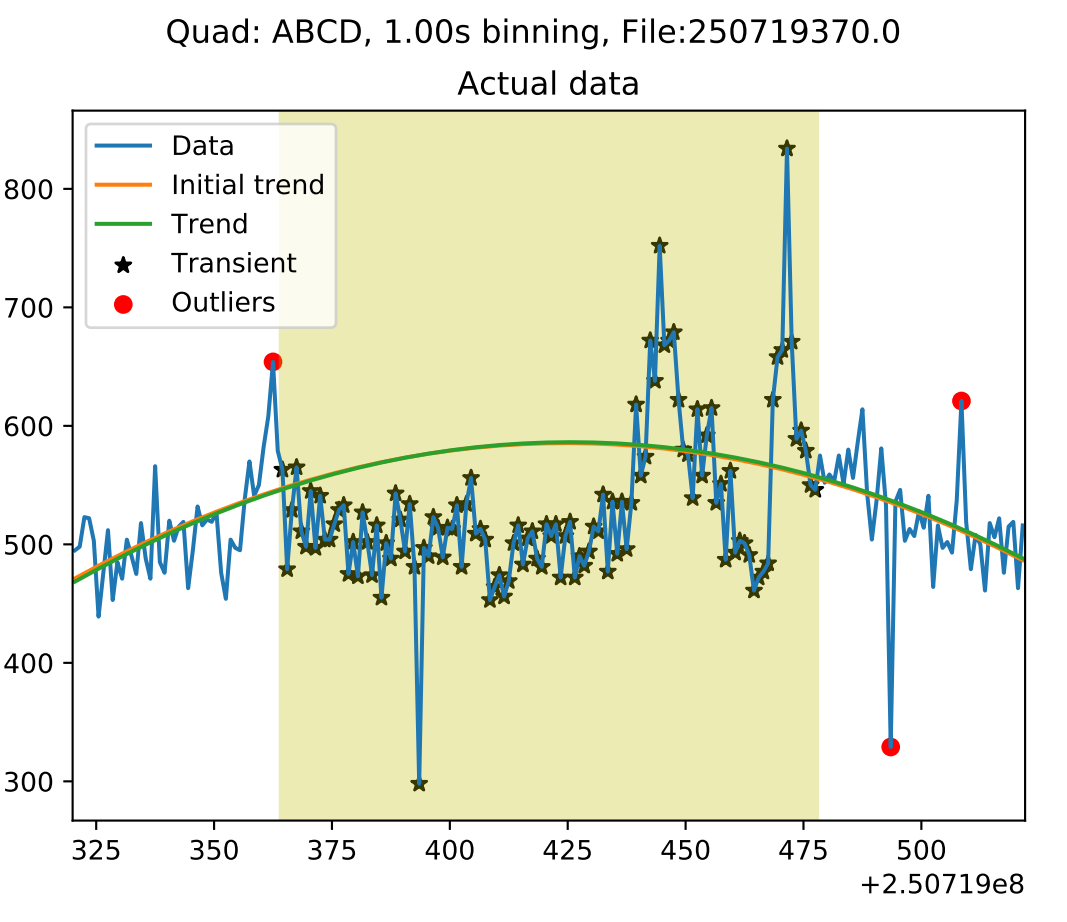

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
250
200
150
100
50
0
−50
325
350
375
400
425
450
475
500
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+2.50719e8

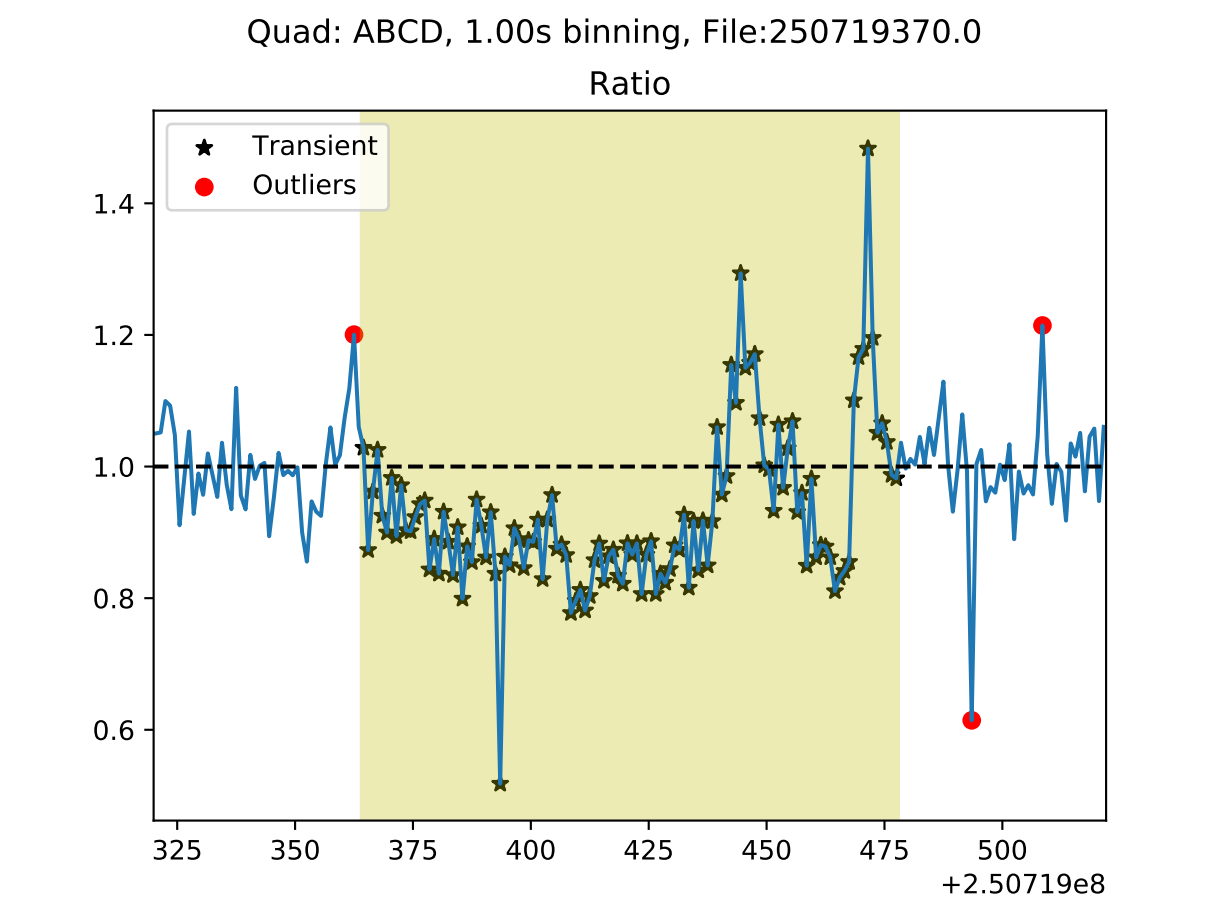

Quadrant D
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
Marked times
Marked times
bins
+2.50719e8

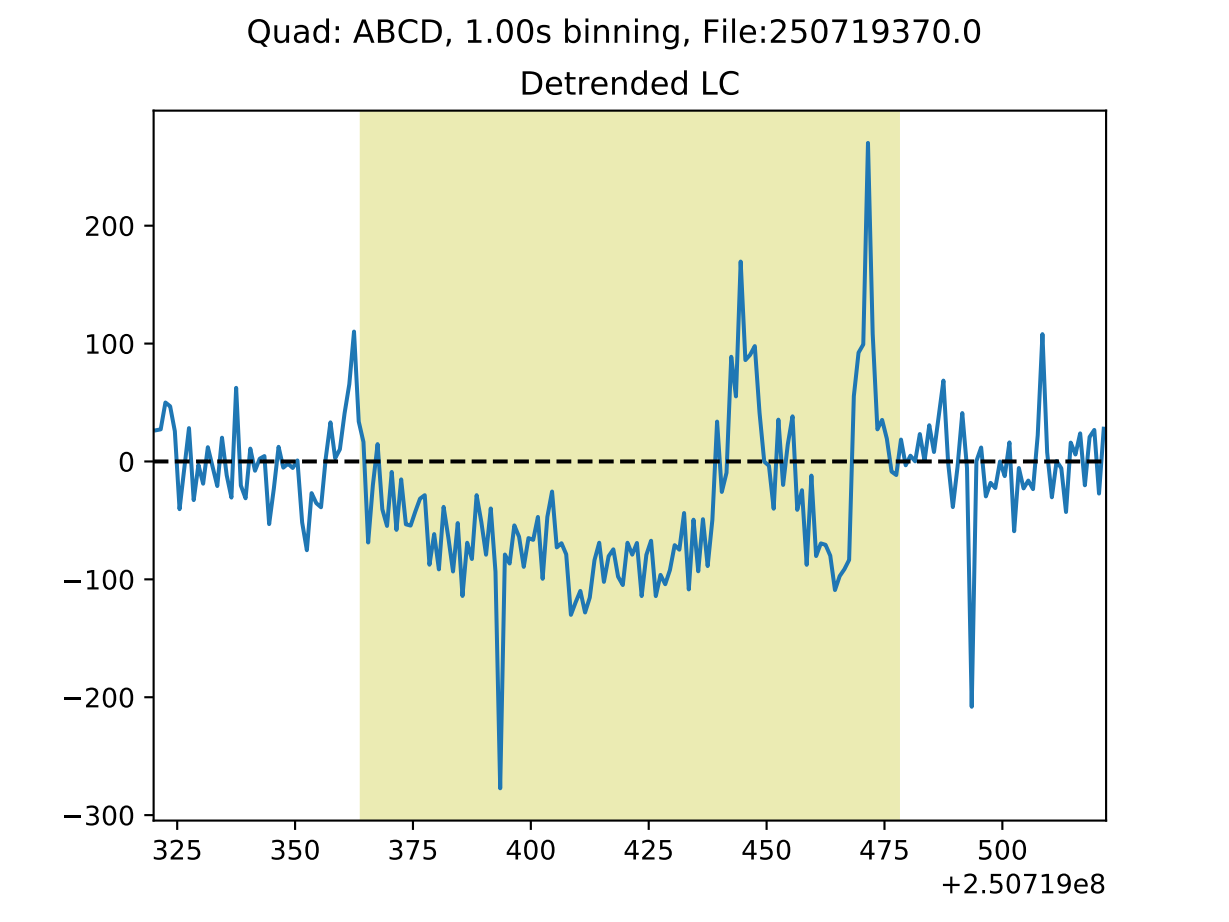

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
350
400
450
500
0
25
Excess counts/keV
Marked times
Marked times
Excess counts/sec
100
0
+2.50719e8
bins
50

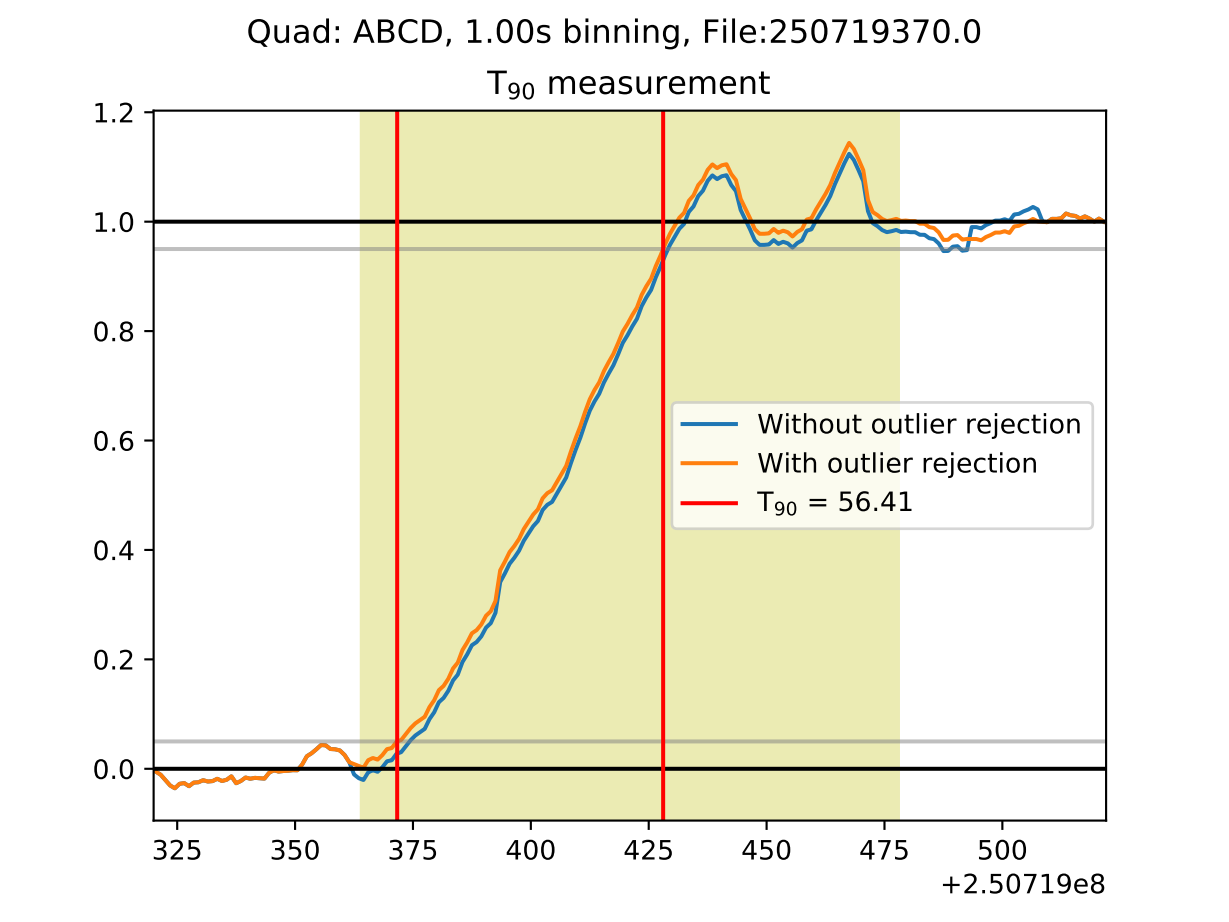

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
350
400
450
500
0
5
Strength/keV
Strength/sec
Marked times
Marked times
40
20
0
−20
+2.50719e8
bins

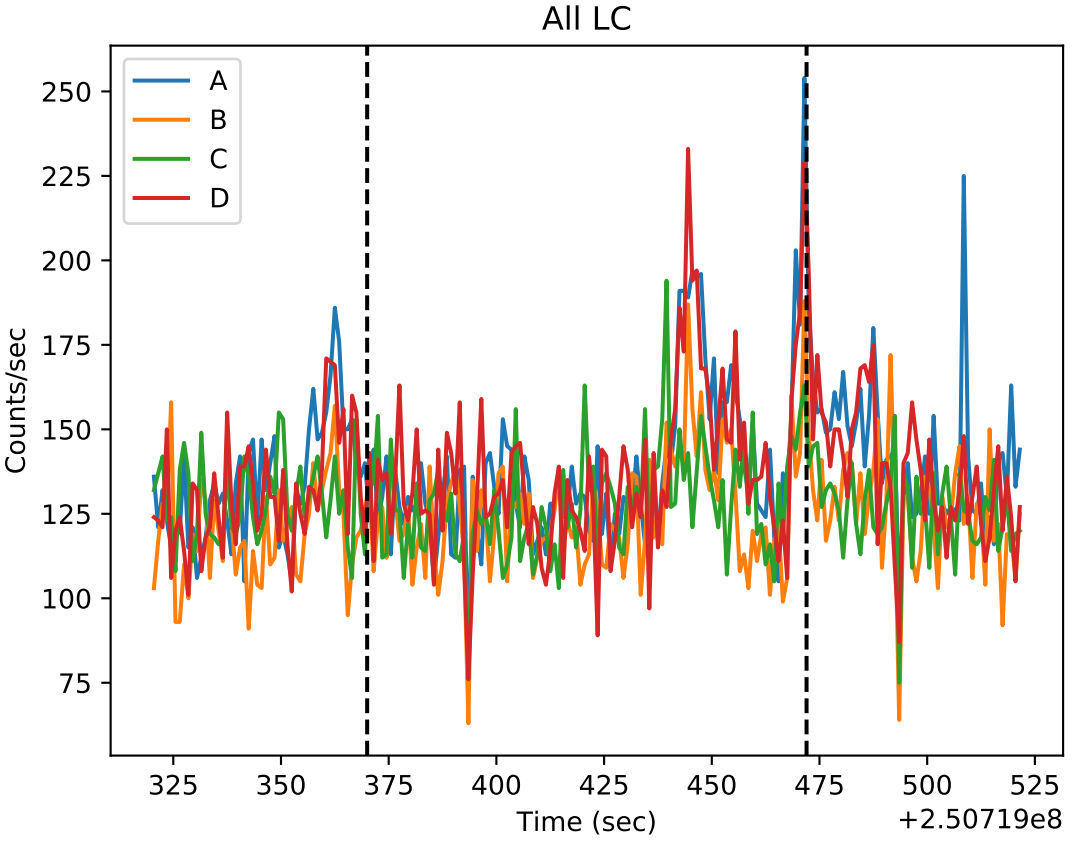

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
250
200
150
100
50
0
−50
325
350
375
400
425
450
475
500
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
50
25
0
Time (sec)
+2.50719e8


Quad: ABCD, 1.00s binning, File:250719370.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
800
700
600
500
400
300
325
350
375
400
425
450
475
500
+2.50719e8


Quad: ABCD, 1.00s binning, File:250719370.0
Ratio
Transient
Outliers
1.4
1.2
1.0
0.8
0.6
325
350
375
400
425
450
475
500
+2.50719e8


Quad: ABCD, 1.00s binning, File:250719370.0
Detrended LC
200
100
0
−100
−200
−300
325
350
375
400
425
450
475
500
+2.50719e8


Quad: ABCD, 1.00s binning, File:250719370.0
T90 measurement
1.2
1.0
0.8
0.6
0.4
0.2
0.0
325
350
375
400
425
450
475
500
+2.50719e8
Without outlier rejection
With outlier rejection
T90 = 56.41


All LC
A
B
C
D
Counts/sec
250
225
200
175
150
125
100
75
325
350
375
400
425
450
475
500
525
Time (sec)
+2.50719e8