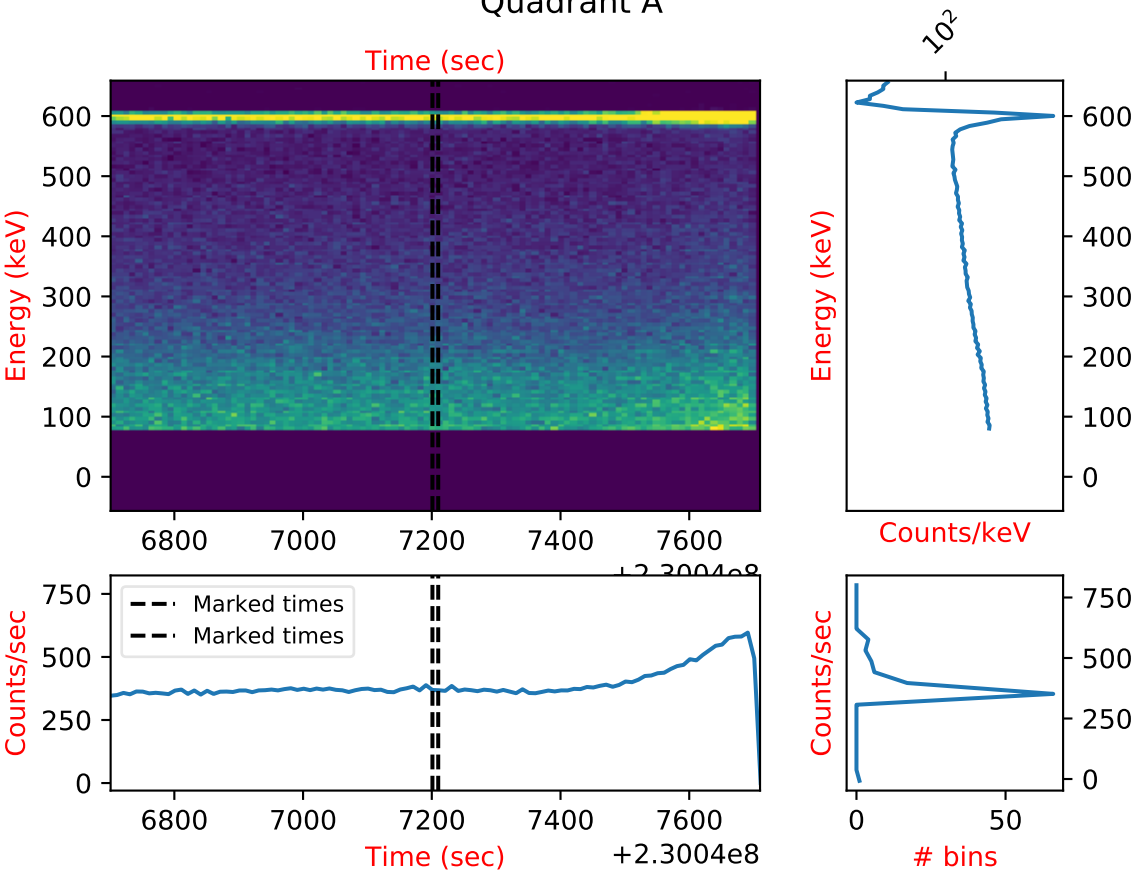
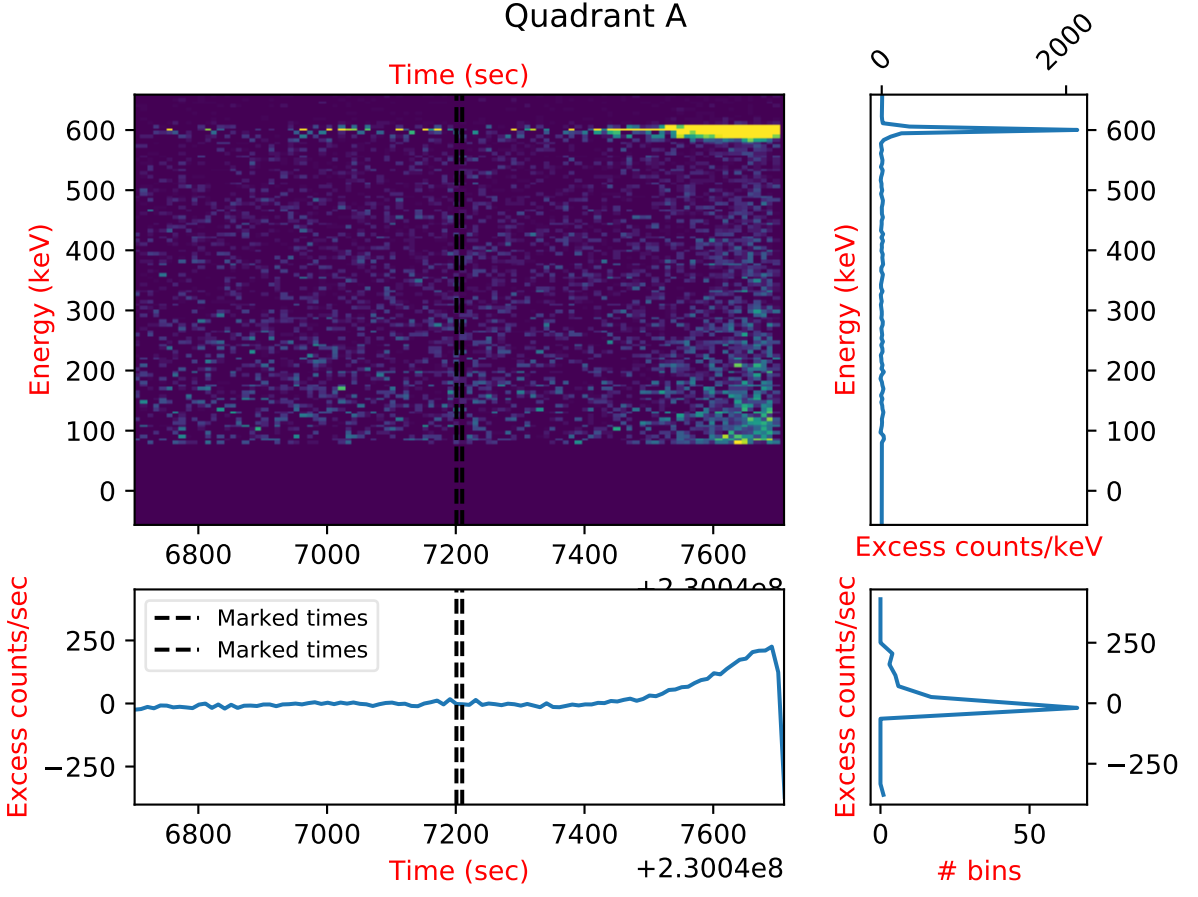
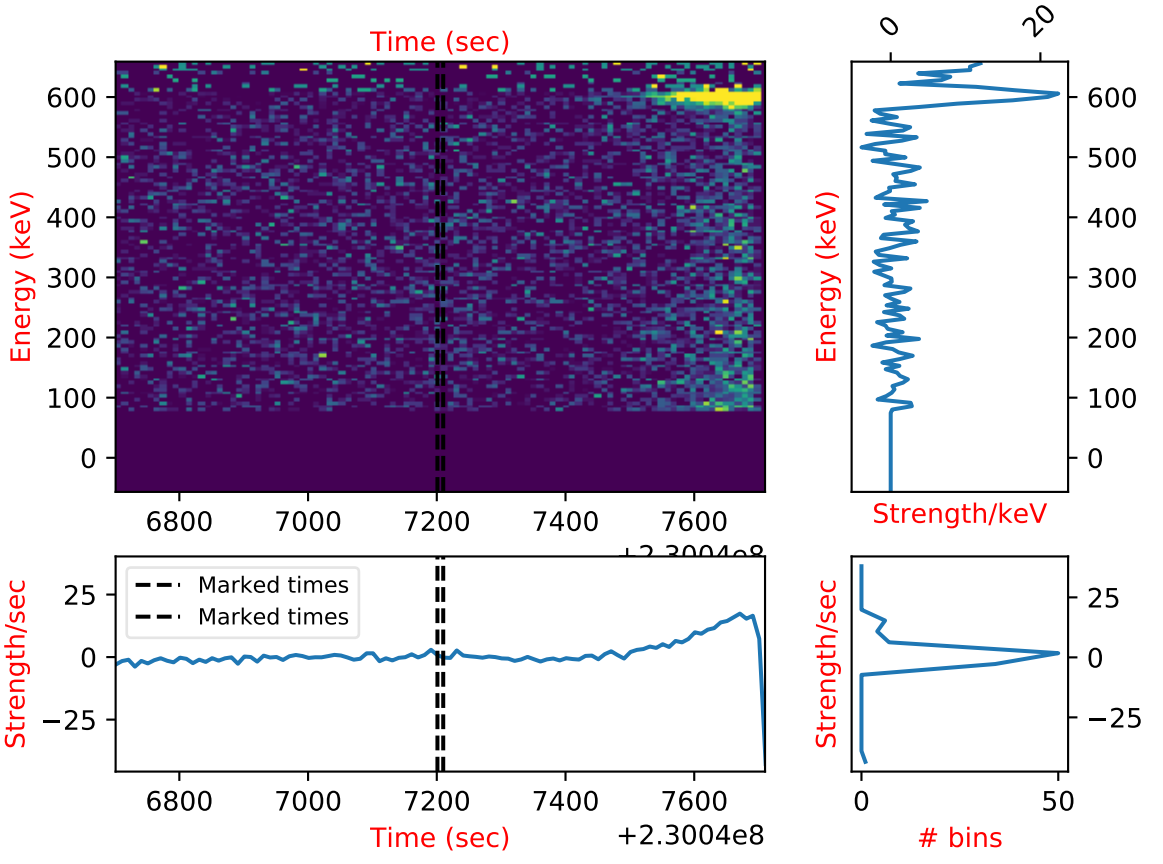
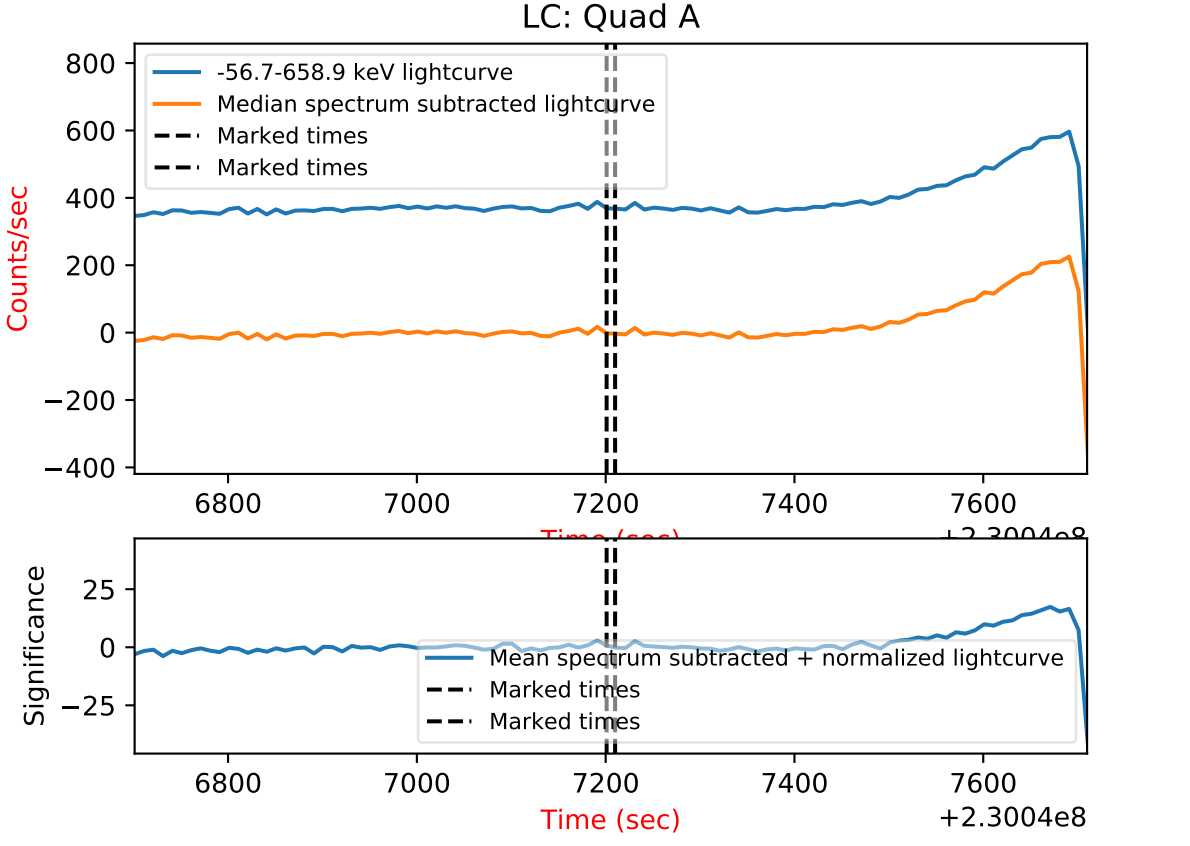
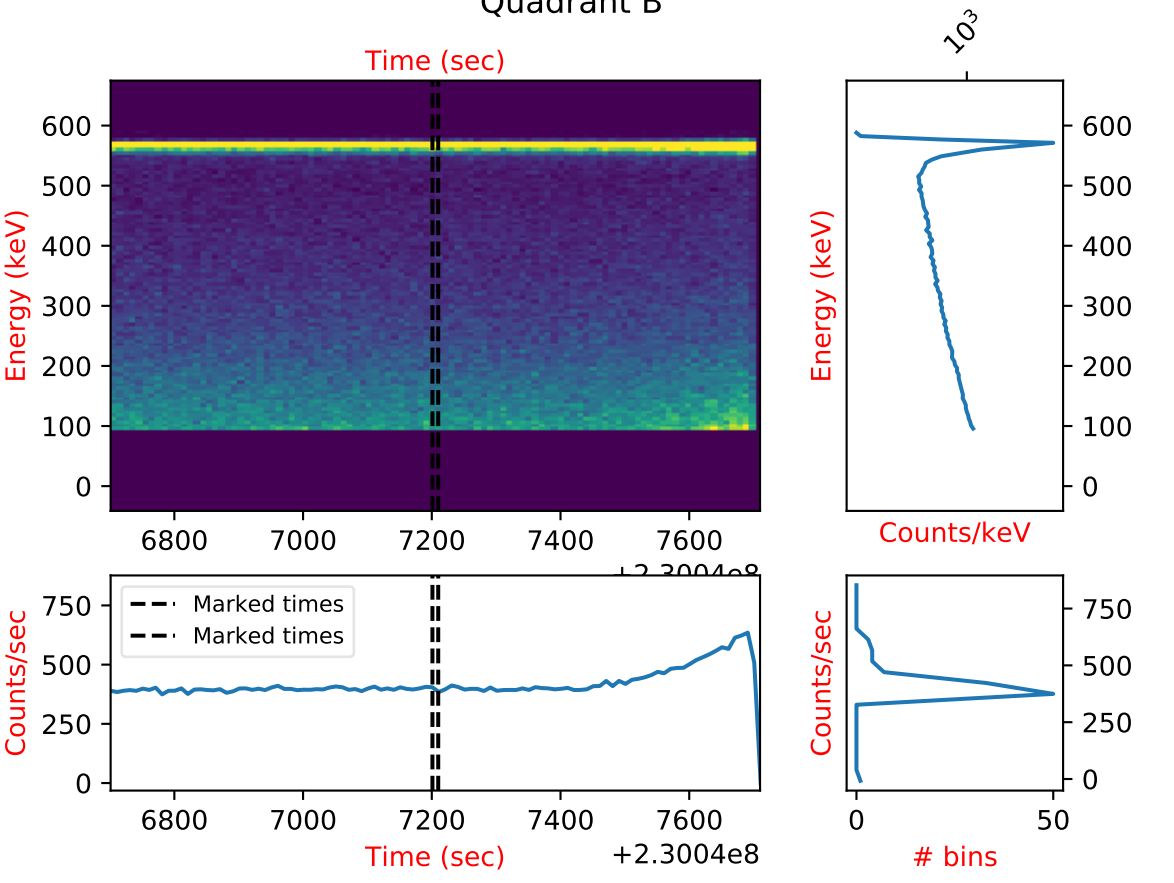
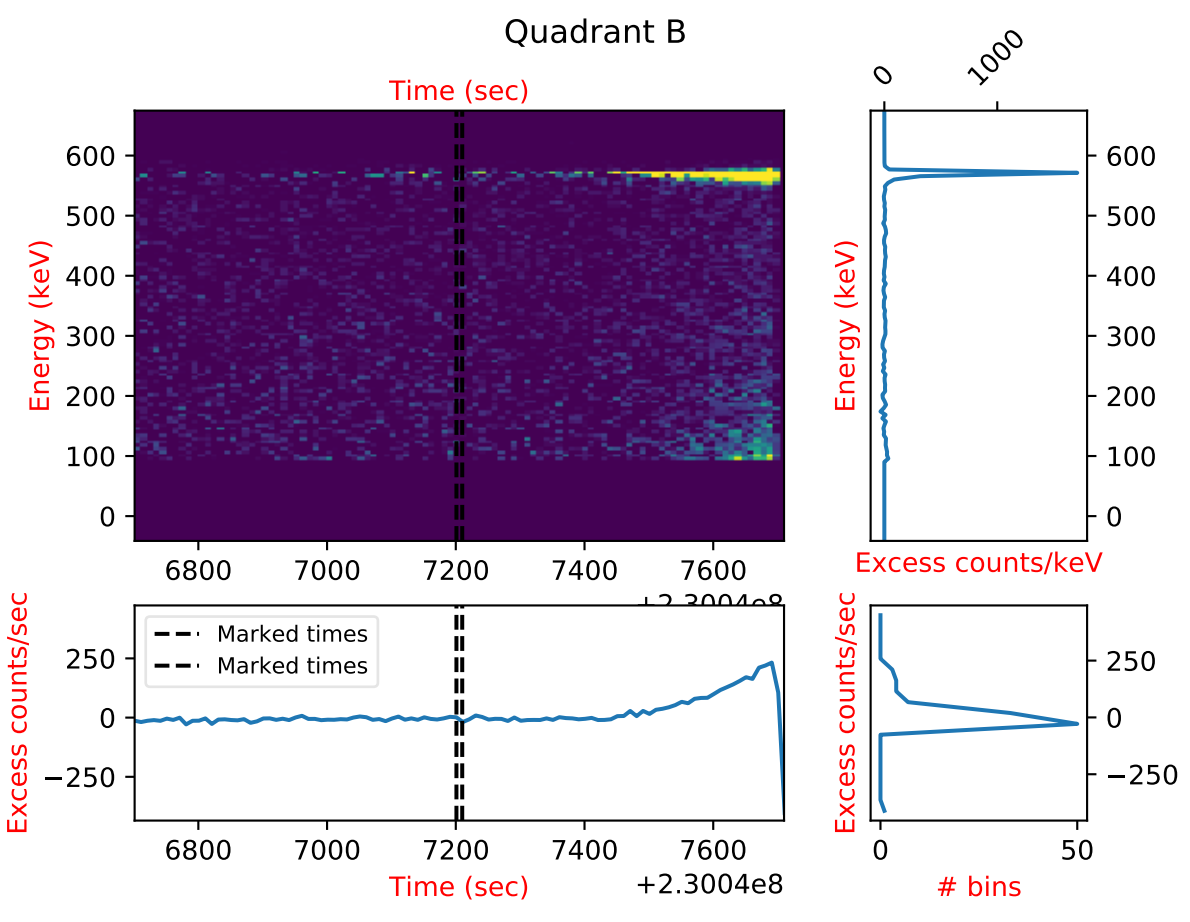

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
10^2
Counts/keV
Marked times
Marked times
Counts/sec
750
500
250
0
+2.3004e8
50
bins

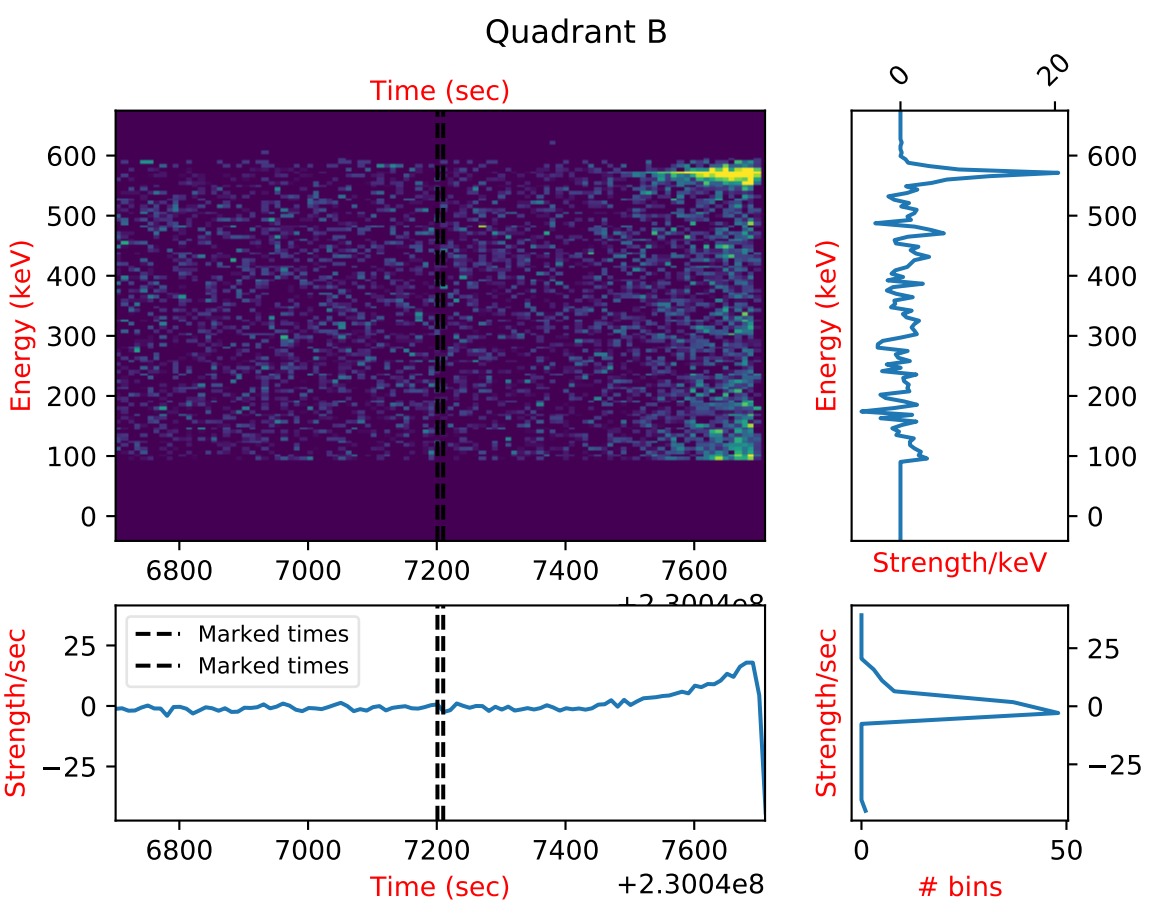

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
0
2000
Energy (keV)
Excess counts/keV
Excess counts/sec
Marked times
Marked times
250
0
−250
Time (sec)
+2.3004e8
bins
50

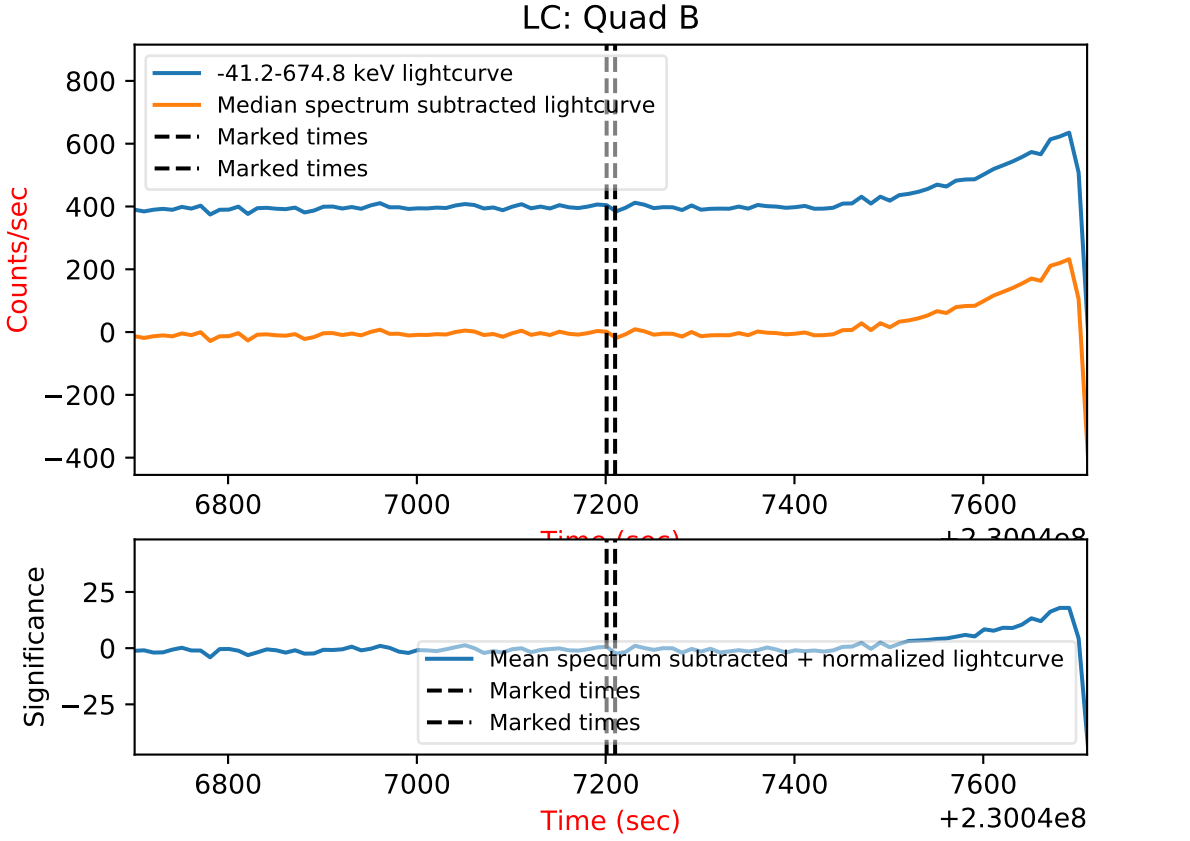

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
0
20
Strength/keV
Marked times
Marked times
Strength/sec
25
0
−25
+2.3004e8
bins
50

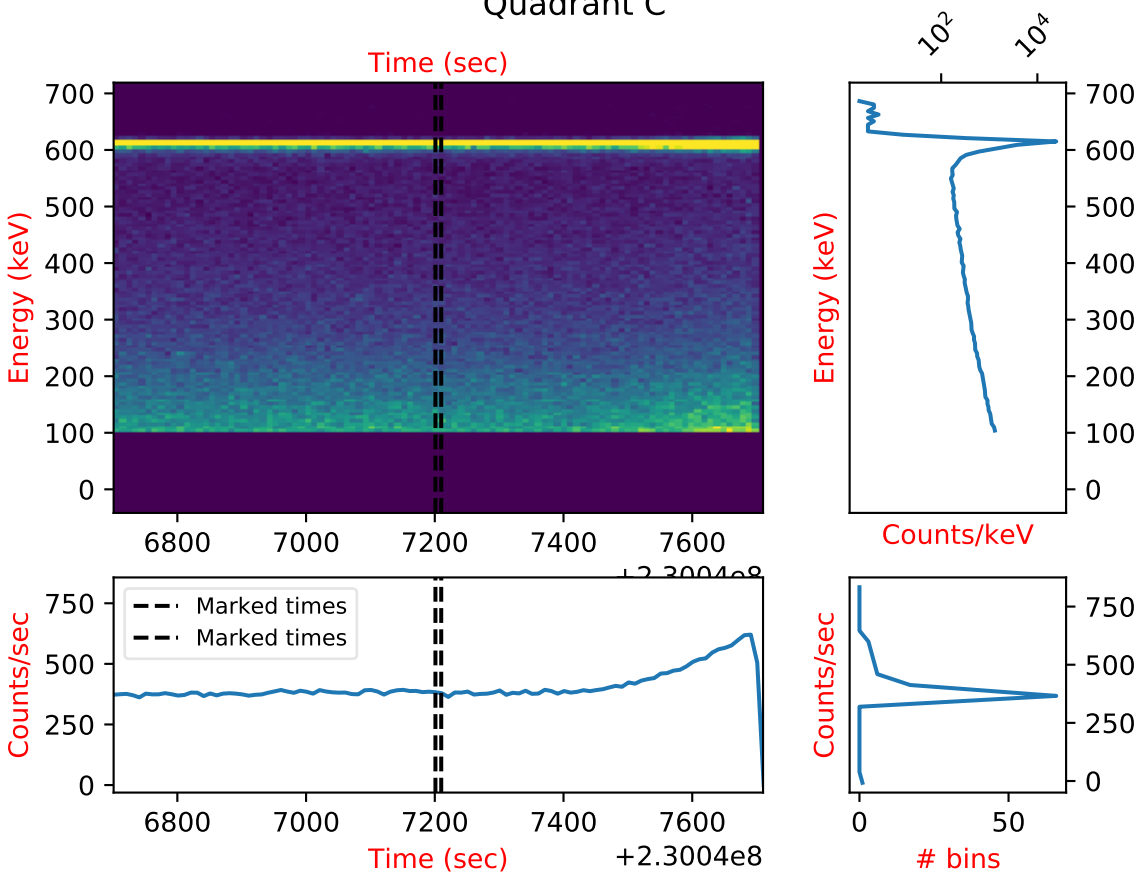

LC: Quad A
-56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
800
600
400
200
0
−200
−400
6800
7000
7200
7400
7600
+2.3004e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
25
0
−25
Time (sec)

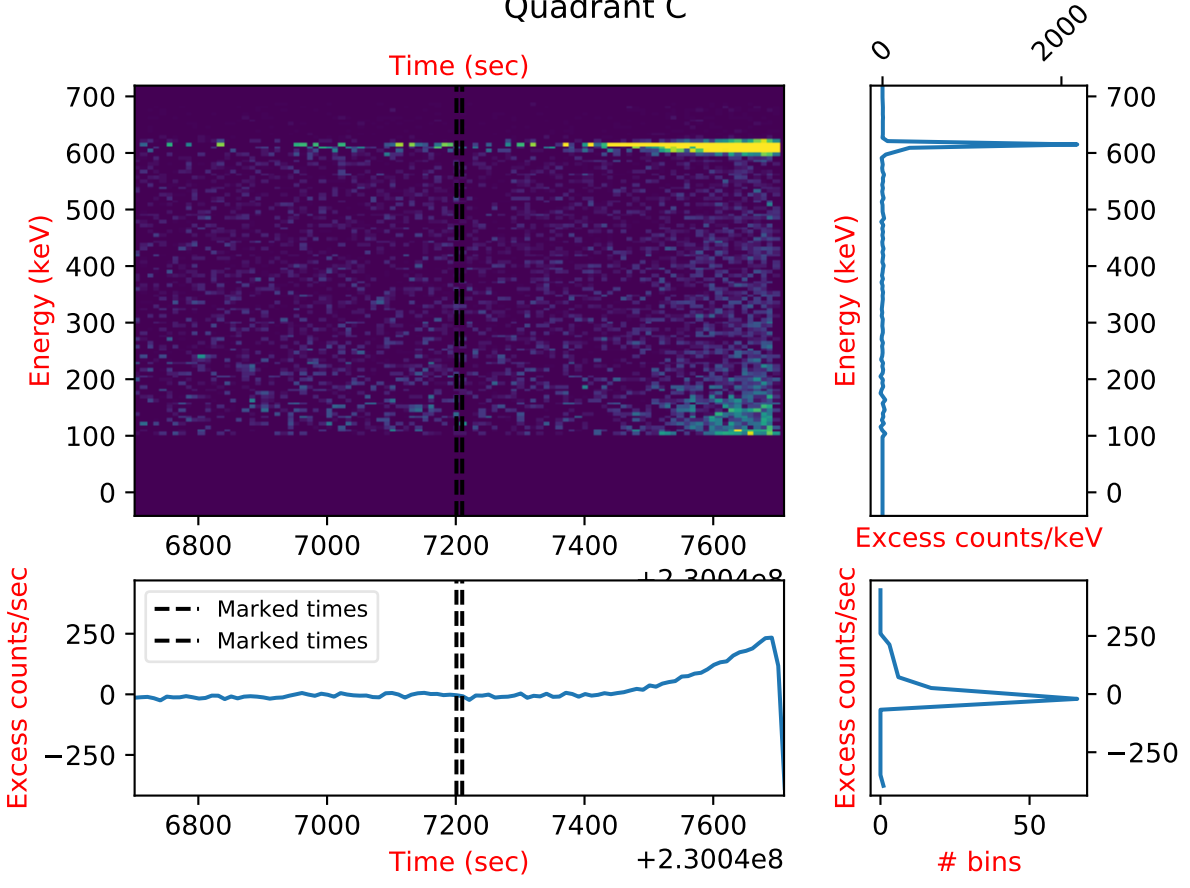

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
10^3
Counts/keV
Marked times
Marked times
Counts/sec
750
500
250
0
+2.3004e8
bins
50

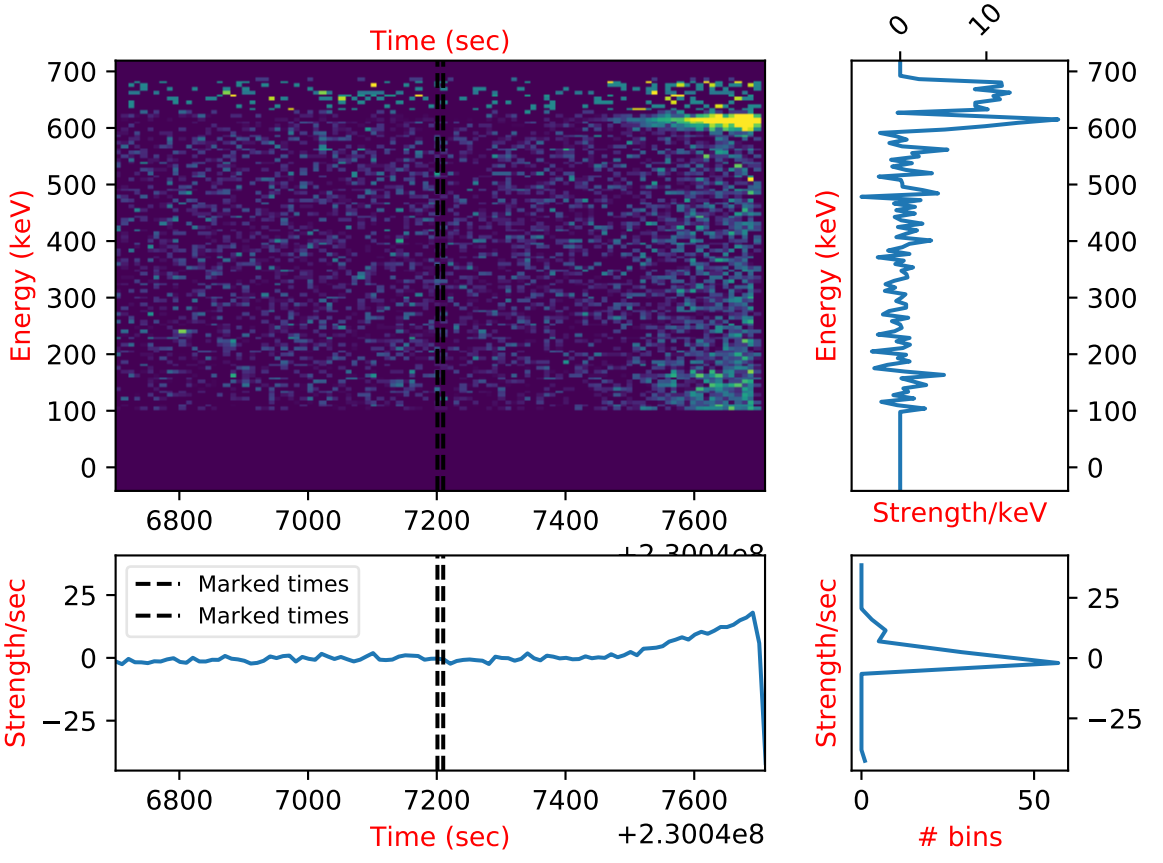

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
0
1000
Energy (keV)
Excess counts/keV
Excess counts/sec
Marked times
Marked times
250
0
−250
6800
7000
7200
7400
7600
+2.3004e8
Time (sec)
Excess counts/sec
250
0
−250
0
50
bins

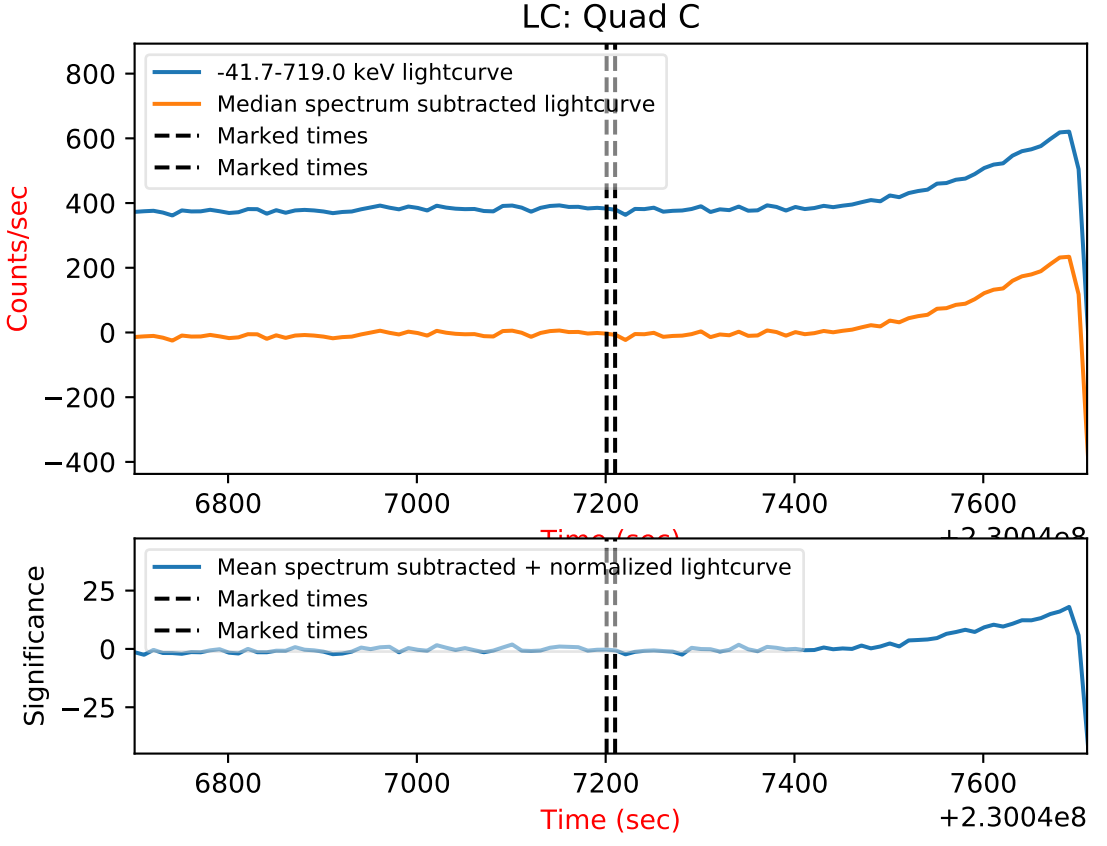

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
0
20
Strength/keV
Marked times
Marked times
Strength/sec
25
0
−25
+2.3004e8
bins
50

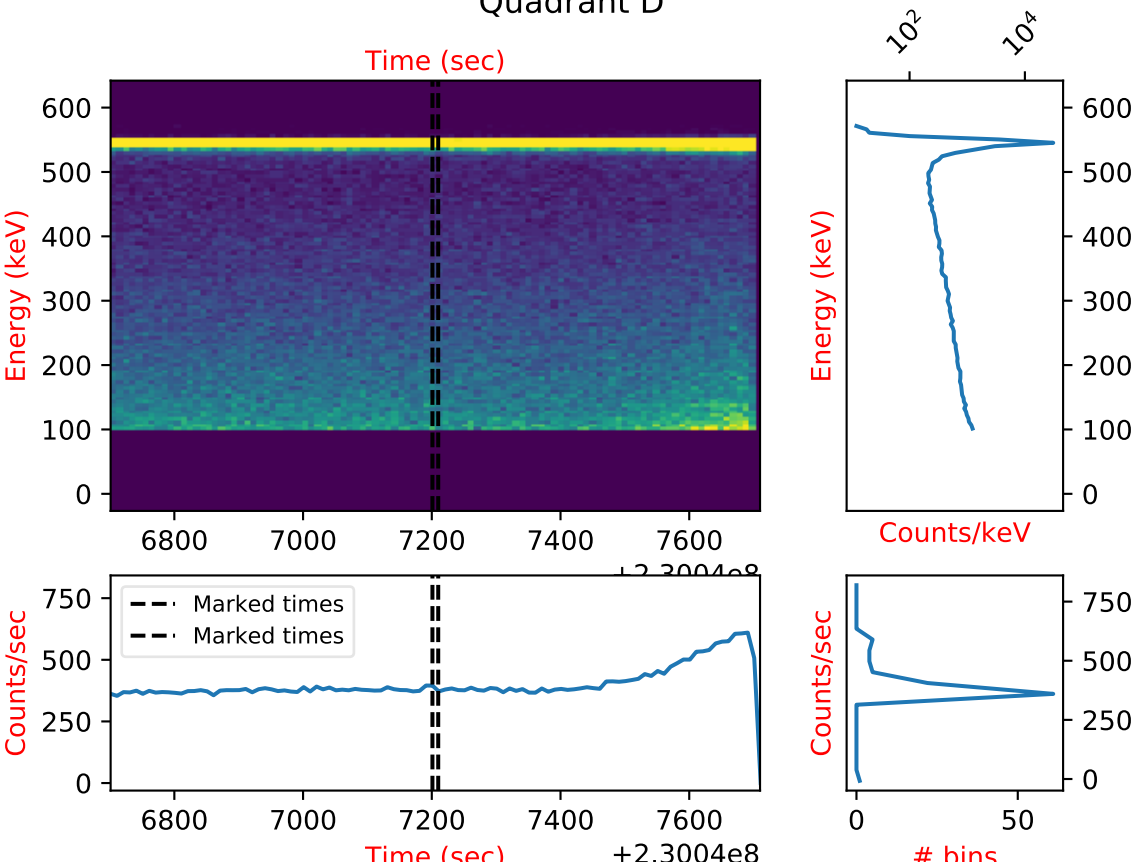

LC: Quad B
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
800
600
400
200
0
−200
−400
6800
7000
7200
7400
7600
+2.3004e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
25
0
−25
Time (sec)

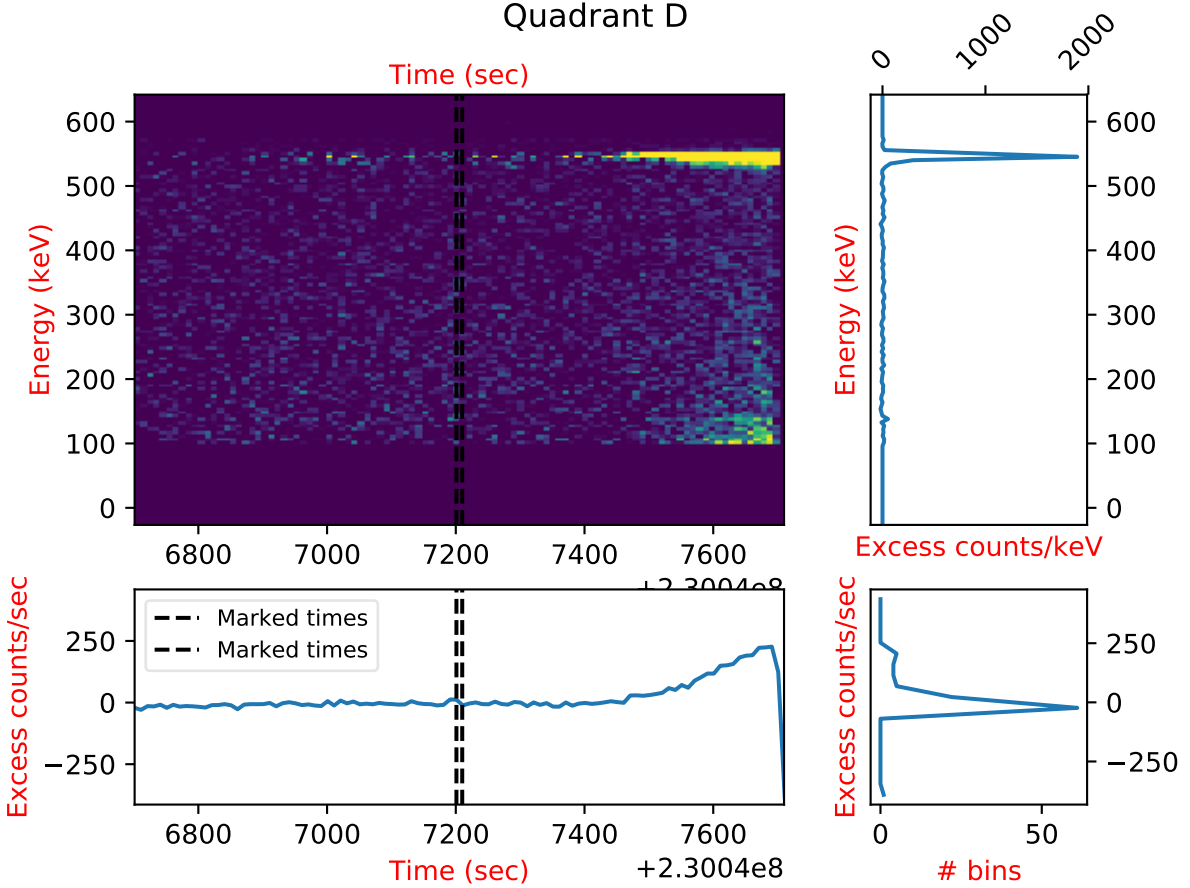

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
10^2
10^4
Counts/keV
Counts/sec
Marked times
Marked times
750
500
250
0
+2.3004e8
50
bins

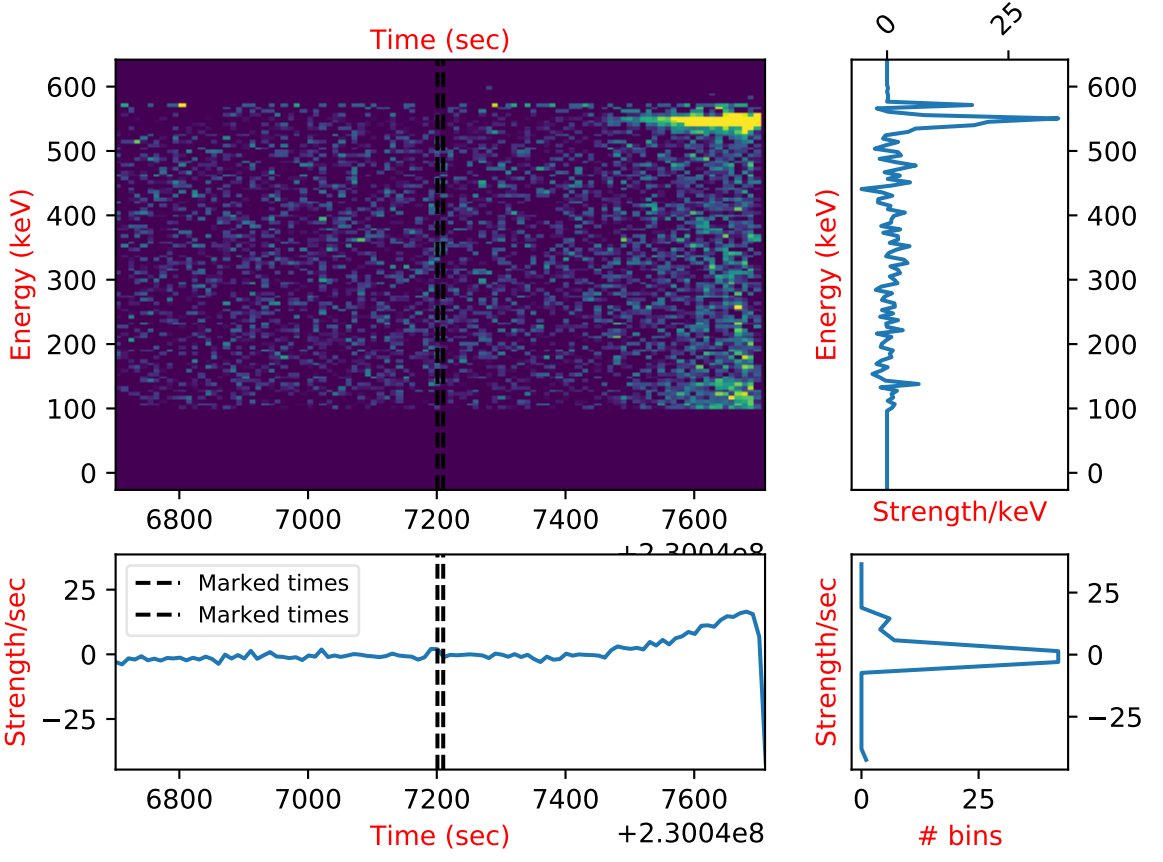

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
0
2000
Excess counts/keV
Marked times
Marked times
Excess counts/sec
250
0
−250
+2.3004e8
bins
50

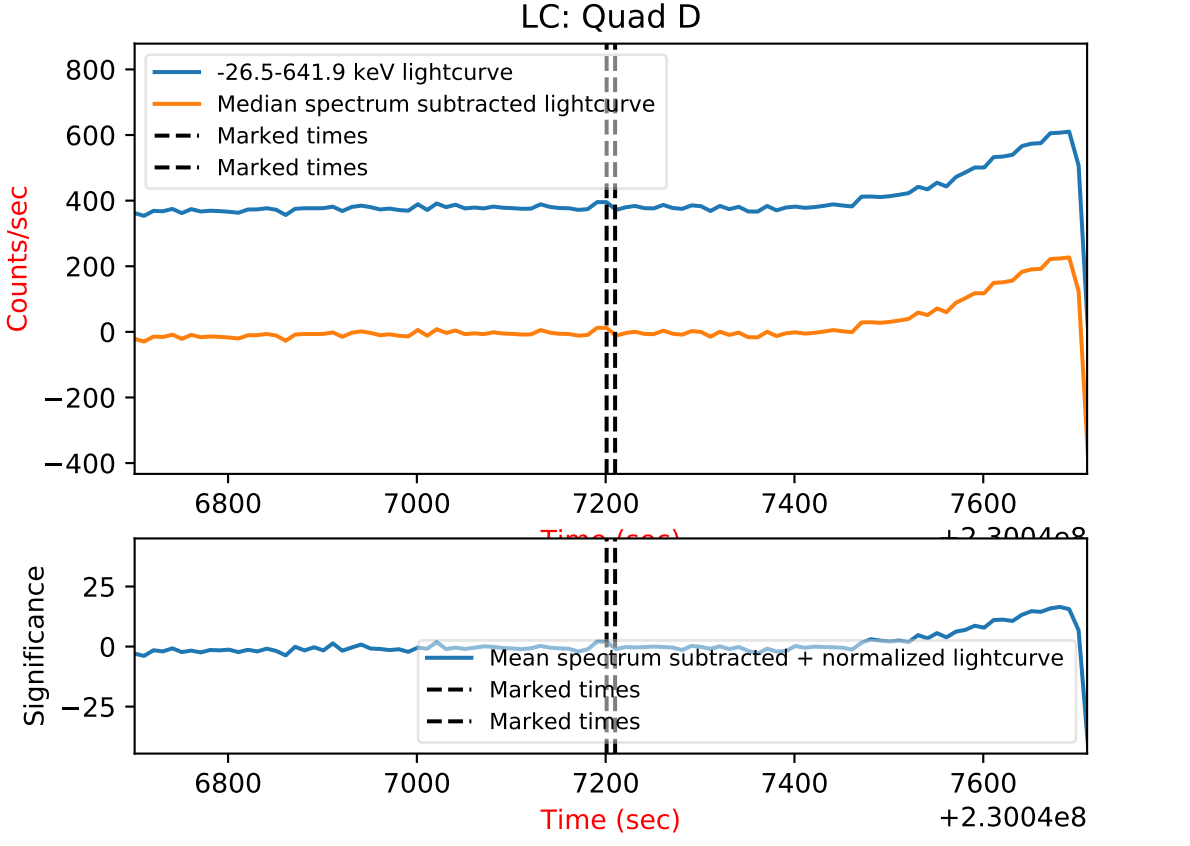

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
0
10
Strength/keV
Marked times
Marked times
Strength/sec
25
0
−25
+2.3004e8
bins
50

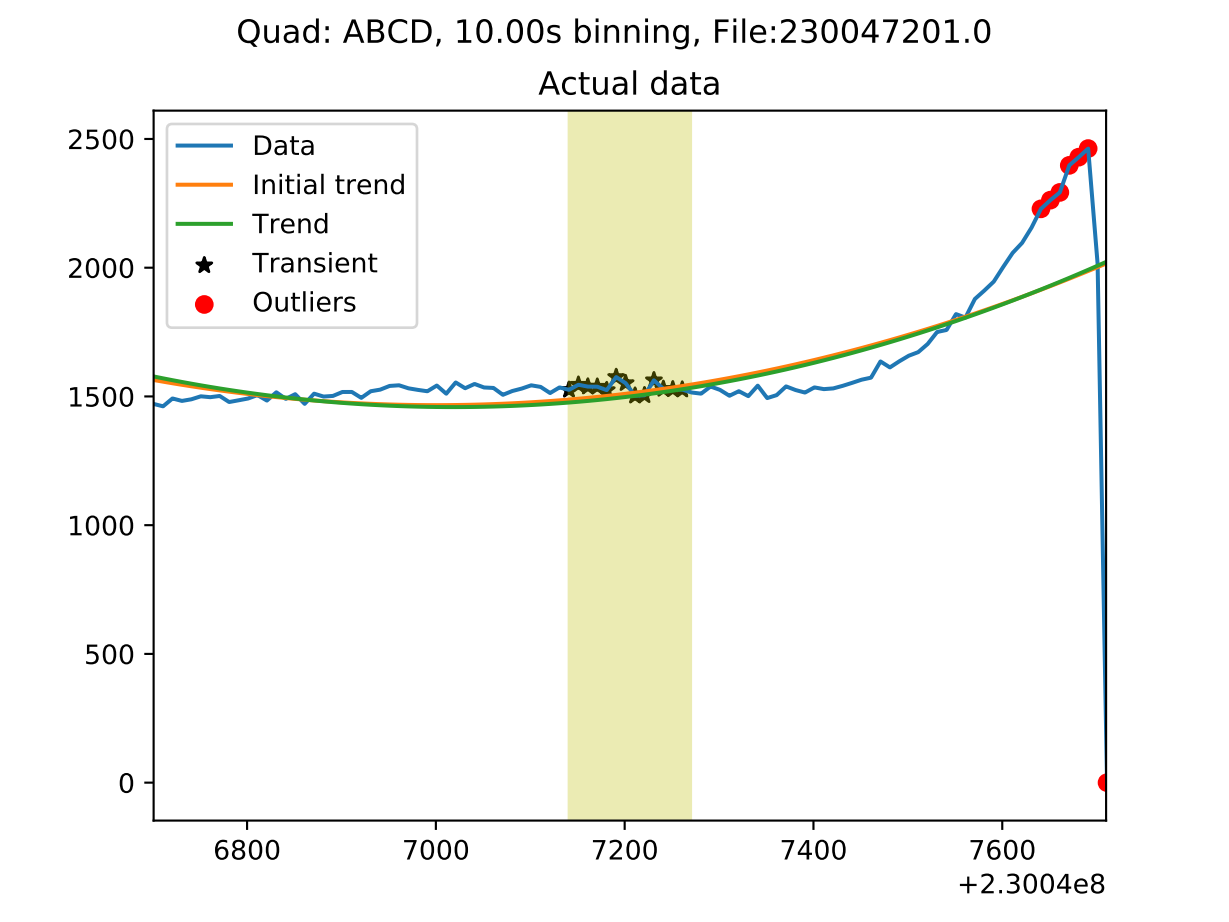

LC: Quad C
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
800
600
400
200
0
−200
−400
6800
7000
7200
7400
7600
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
25
0
−25
Time (sec)
+2.3004e8

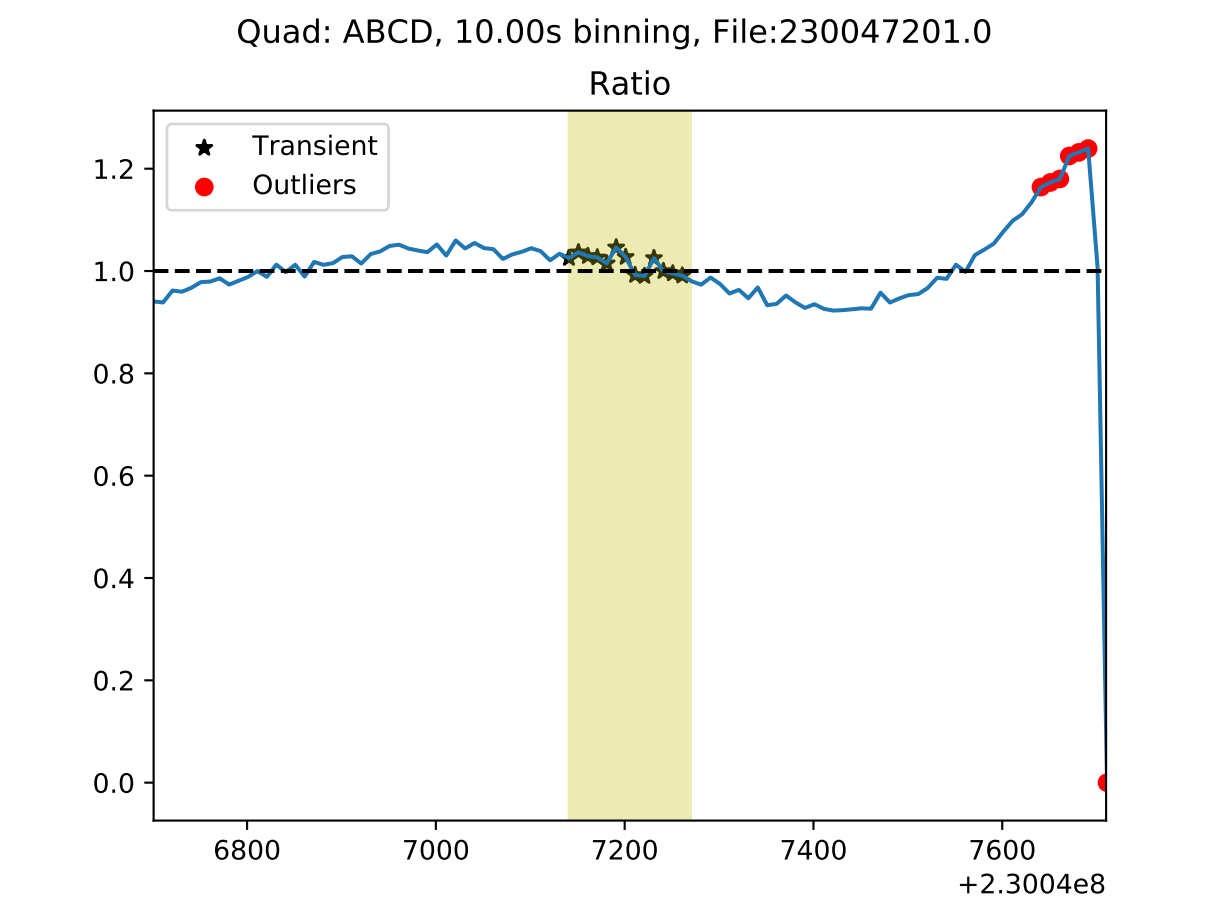

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
10^2
10^4
Counts/keV
Counts/sec
750
500
250
0
Marked times
Marked times
+2.3004e8
bins
50

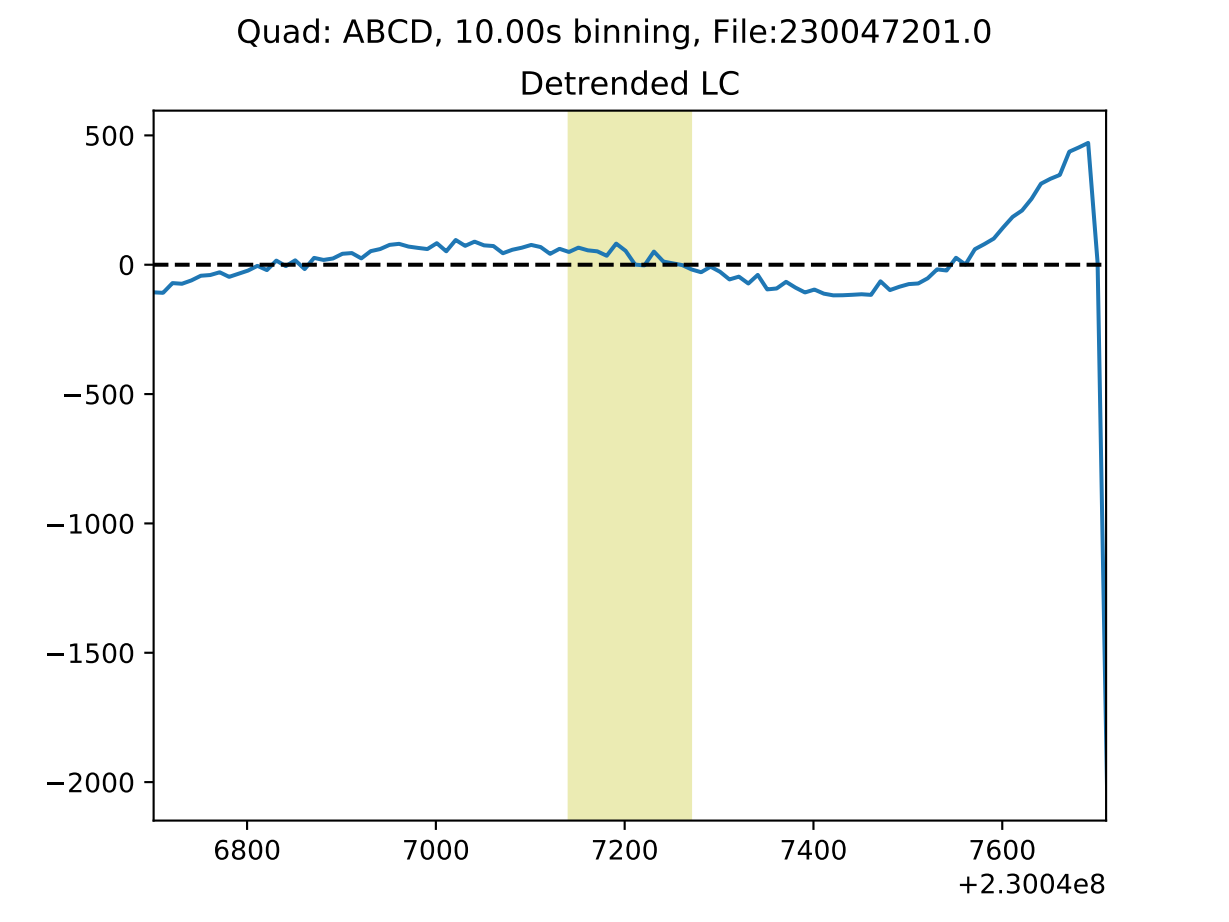

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
0
1000
2000
Excess counts/keV
Marked times
Marked times
Excess counts/sec
250
0
−250
+2.3004e8
bins
50

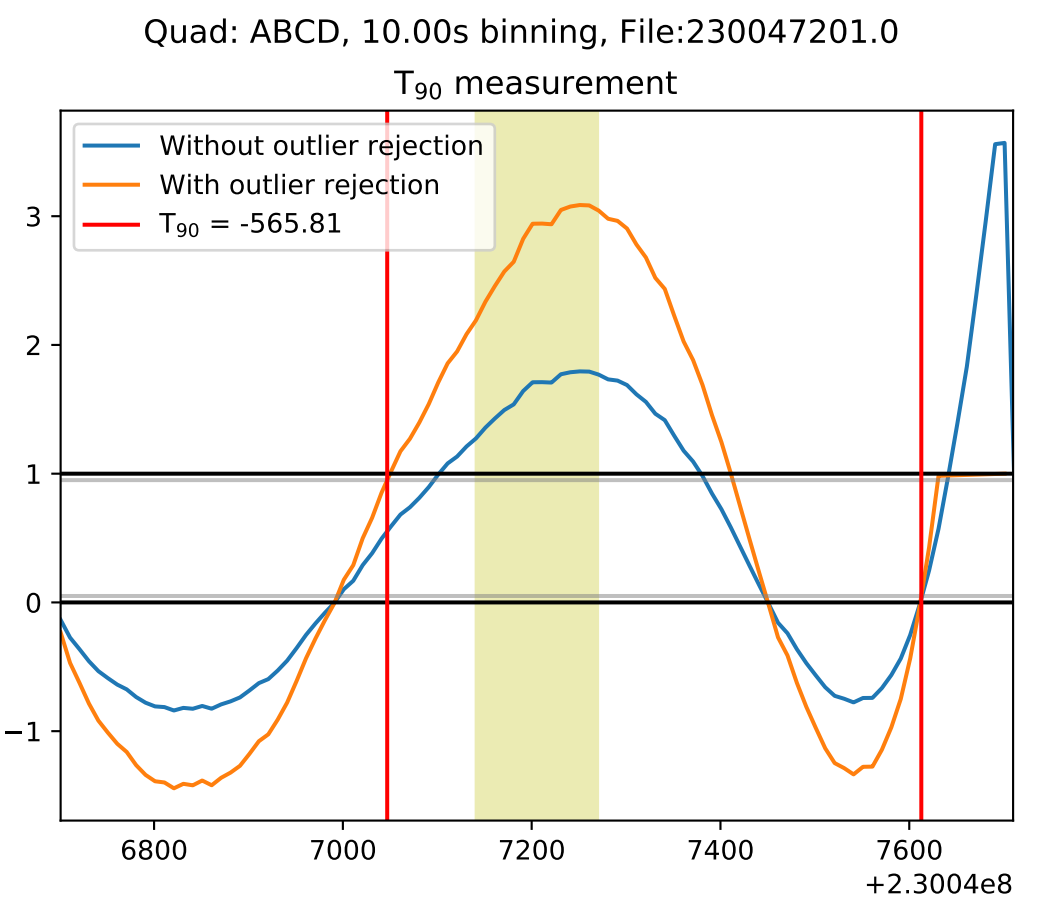

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
6800
7000
7200
7400
7600
0
25
Strength/keV
Marked times
Marked times
Strength/sec
25
0
−25
+2.3004e8
bins

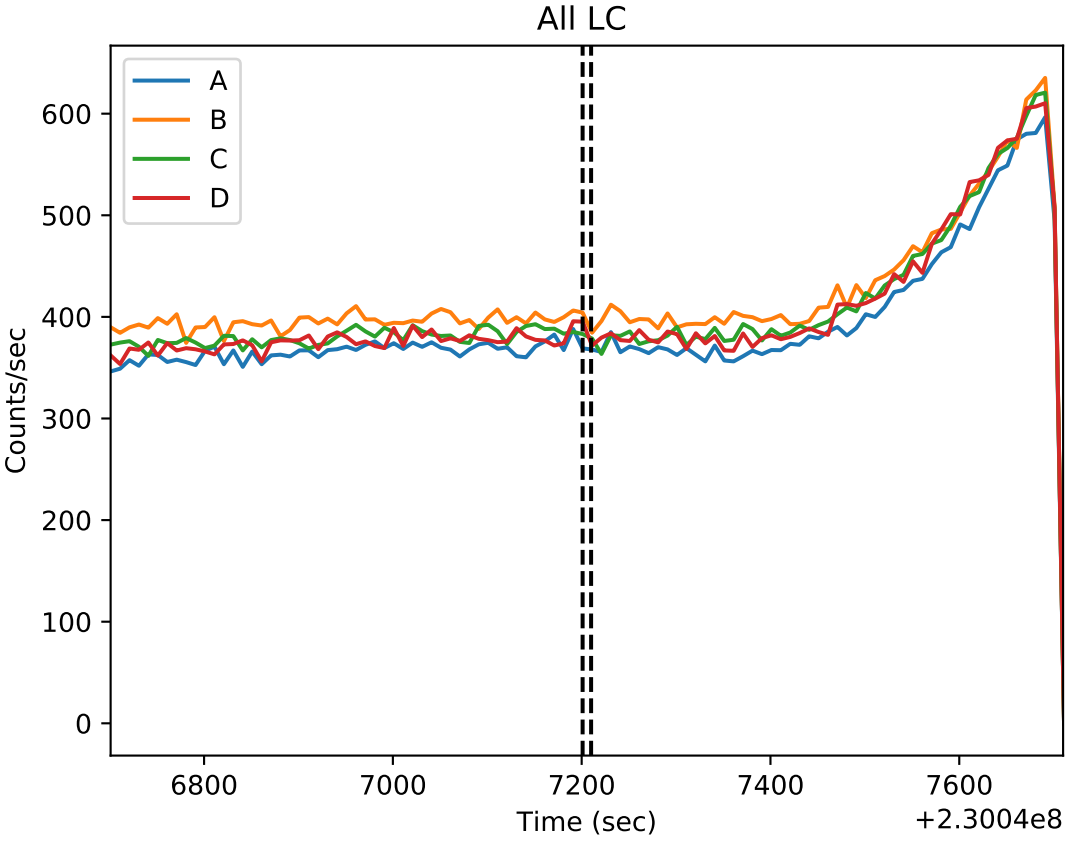

LC: Quad D
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
800
600
400
200
0
−200
−400
6800
7000
7200
7400
7600
+2.3004e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
25
0
−25
Time (sec)


Quad: ABCD, 10.00s binning, File:230047201.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
2500
2000
1500
1000
500
0
6800
7000
7200
7400
7600
+2.3004e8


Quad: ABCD, 10.00s binning, File:230047201.0
Ratio
Transient
Outliers
1.2
1.0
0.8
0.6
0.4
0.2
0.0
6800
7000
7200
7400
7600
+2.3004e8


Quad: ABCD, 10.00s binning, File:230047201.0
Detrended LC
500
0
−500
−1000
−1500
−2000
6800
7000
7200
7400
7600
+2.3004e8


Quad: ABCD, 10.00s binning, File:230047201.0
T90 measurement
Without outlier rejection
With outlier rejection
T90 = -565.81
3
2
1
0
−1
6800
7000
7200
7400
7600
+2.3004e8


All LC
A
B
C
D
600
500
400
300
200
100
0
Counts/sec
6800
7000
7200
7400
7600
Time (sec)
+2.3004e8