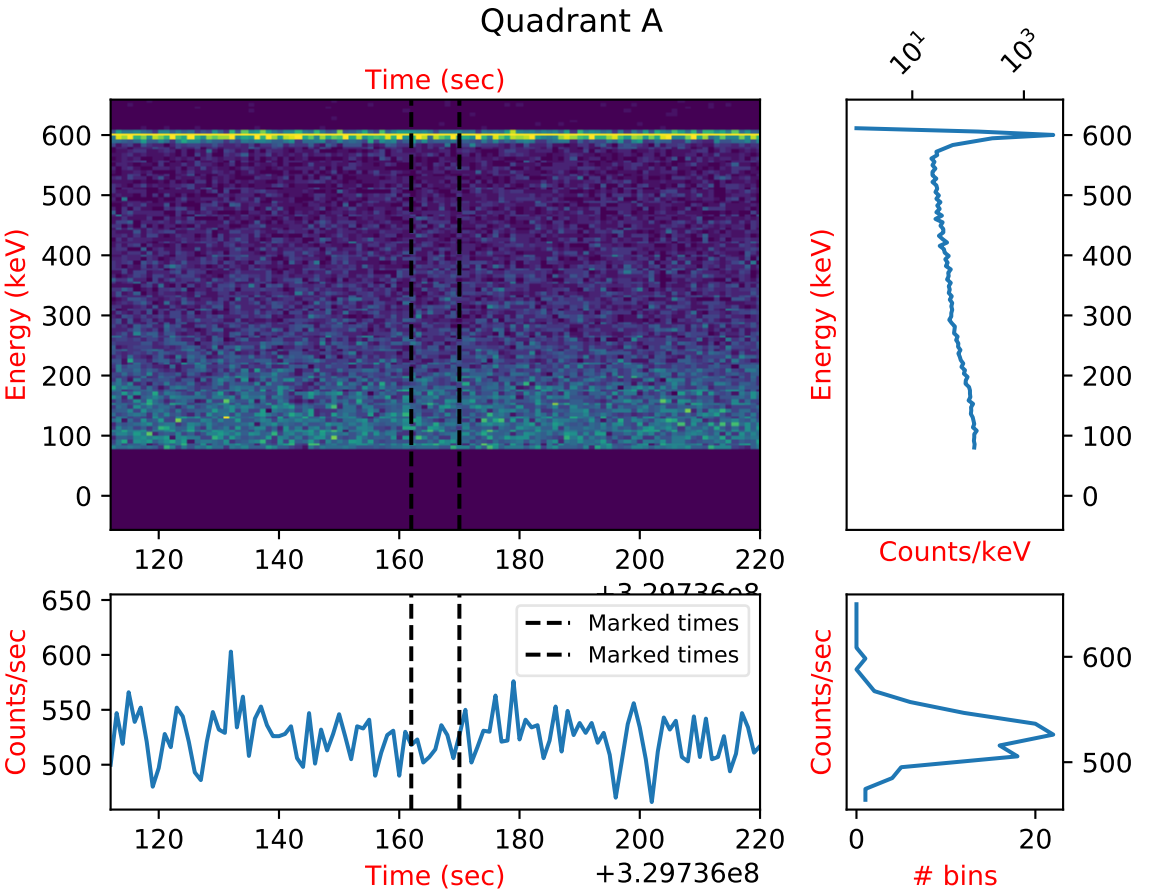
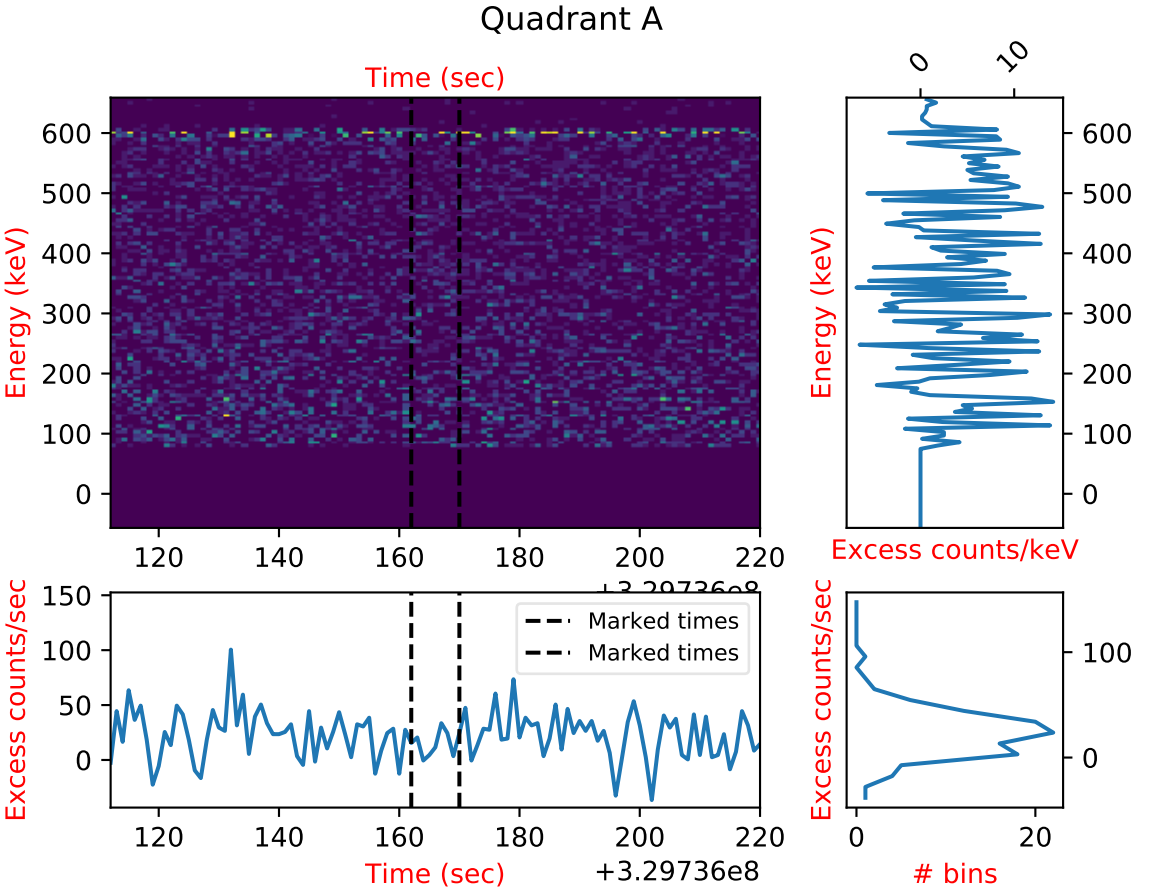
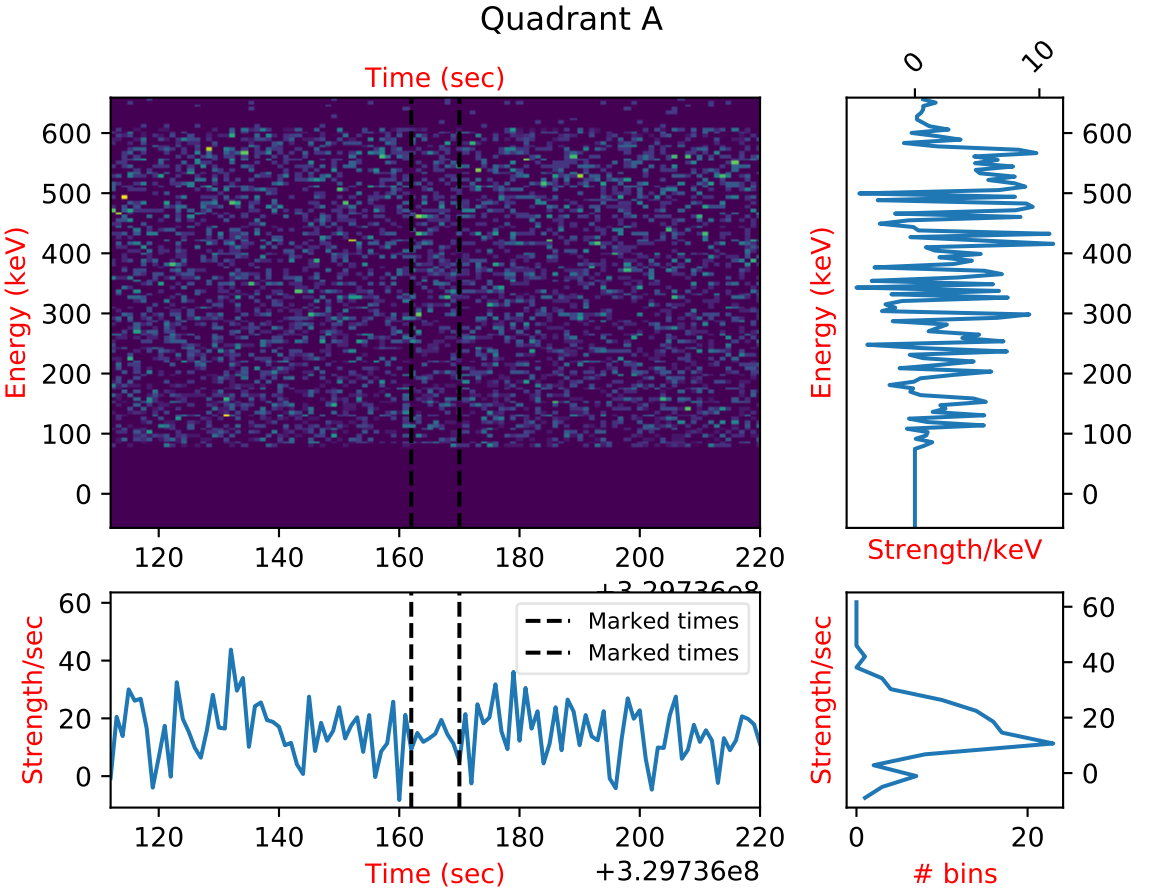
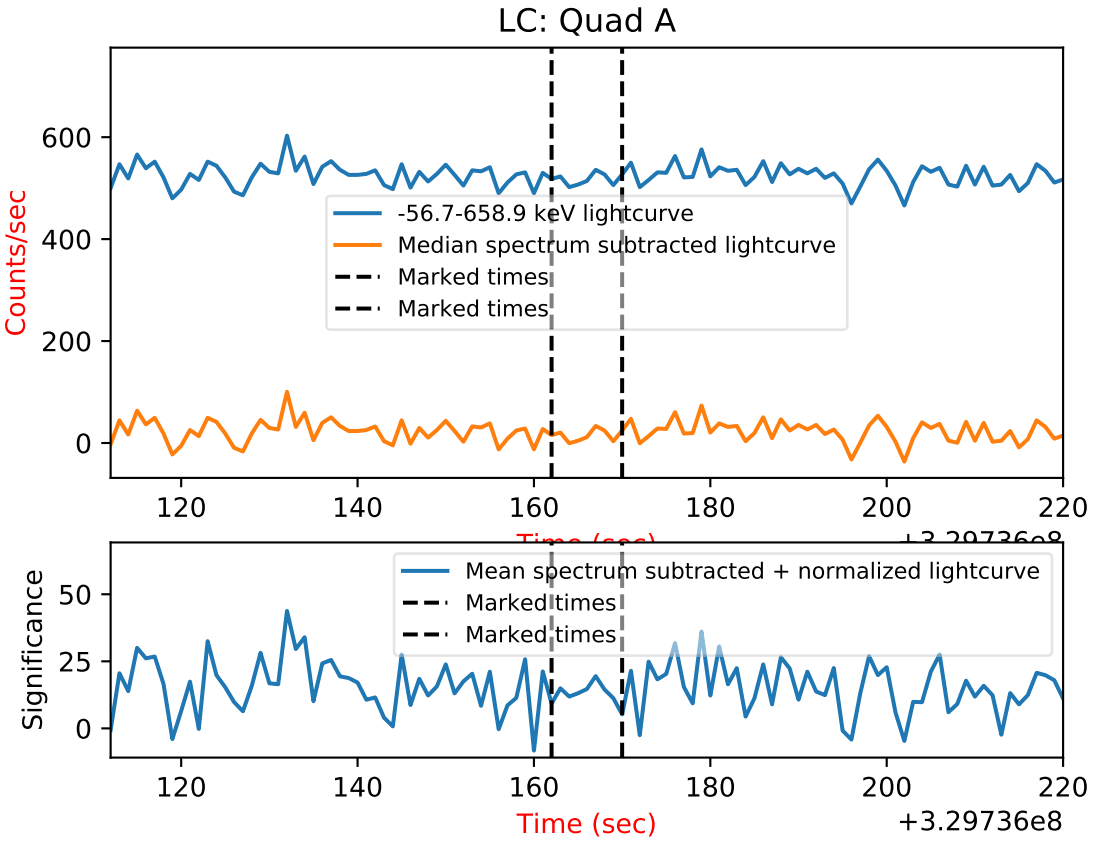
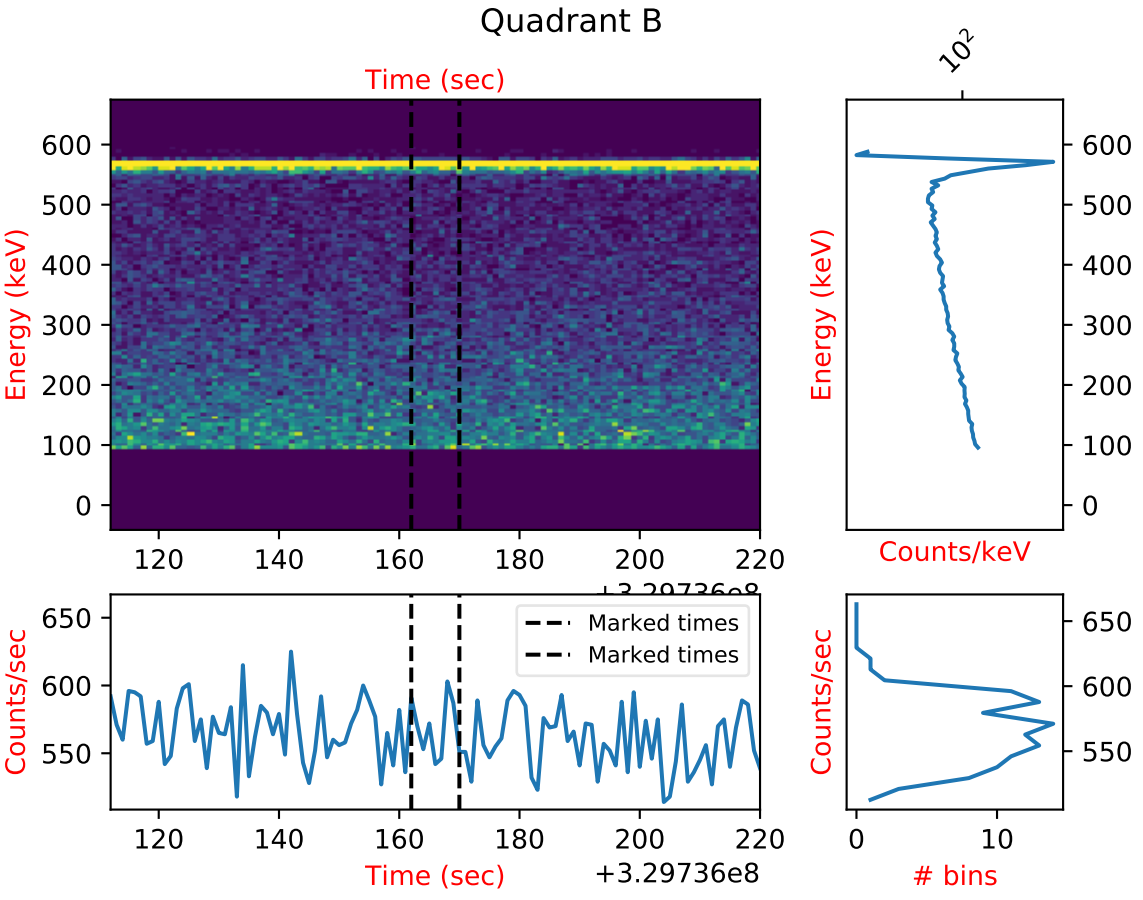
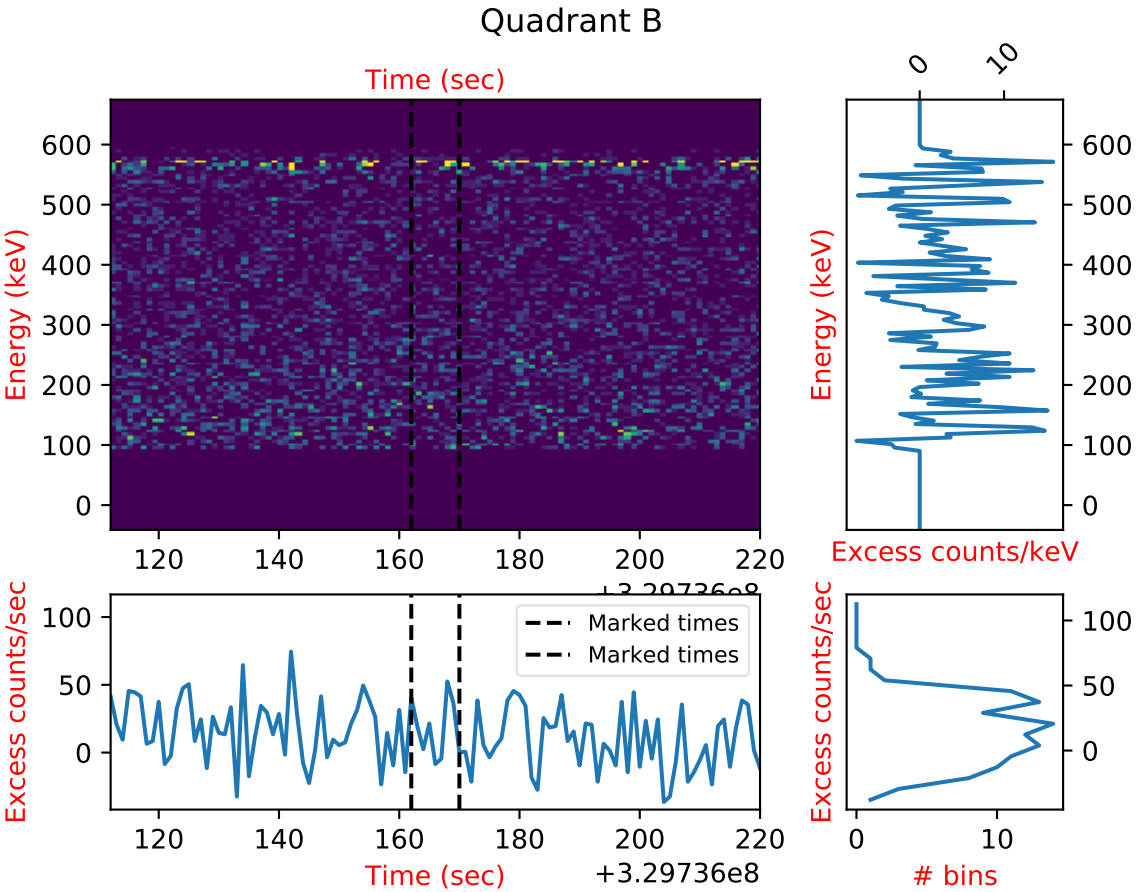

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
$10^1$
$10^3$
Counts/keV
Counts/sec
650
600
550
500
Marked times
Marked times
Time (sec)
+3.29736e8
# bins
0
20

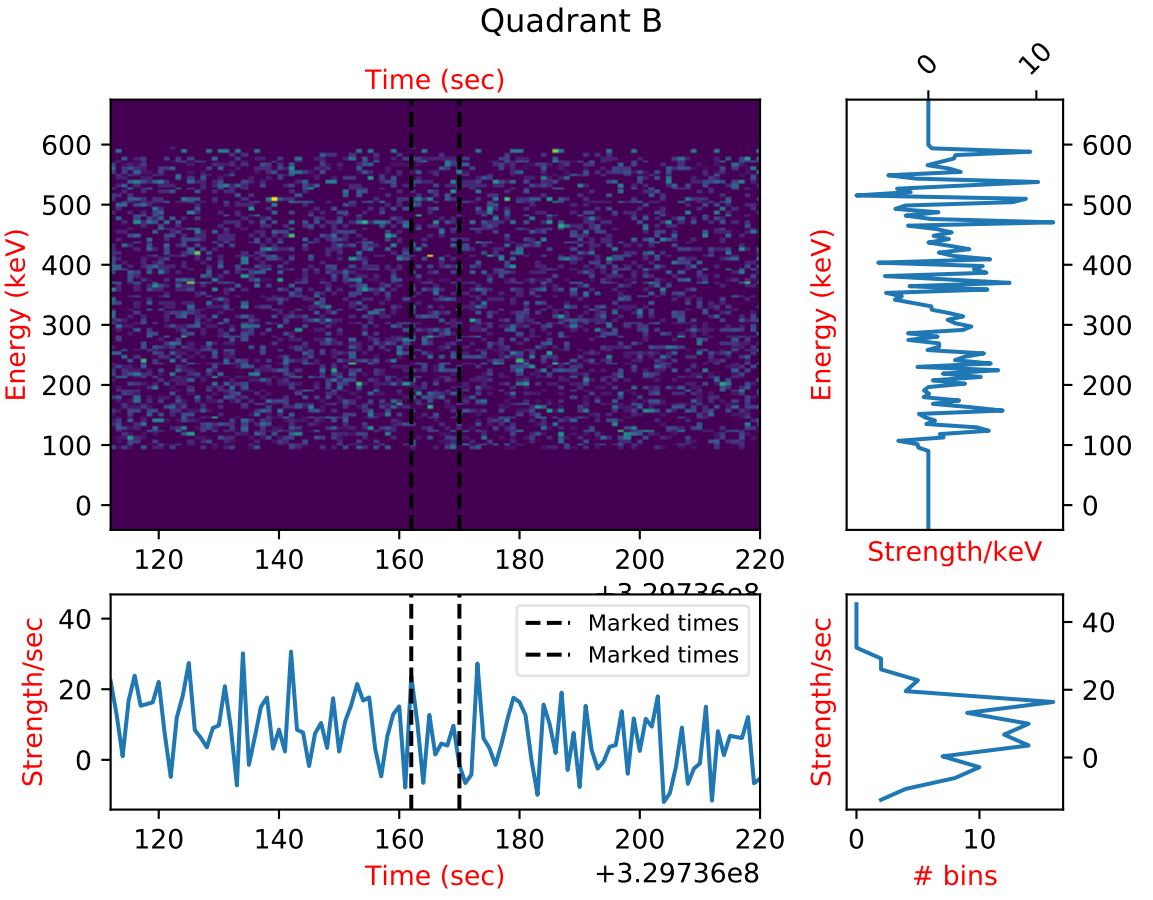

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
0
10
Excess counts/keV
Excess counts/sec
150
100
50
0
Marked times
Marked times
Time (sec)
+3.29736e8
# bins
20

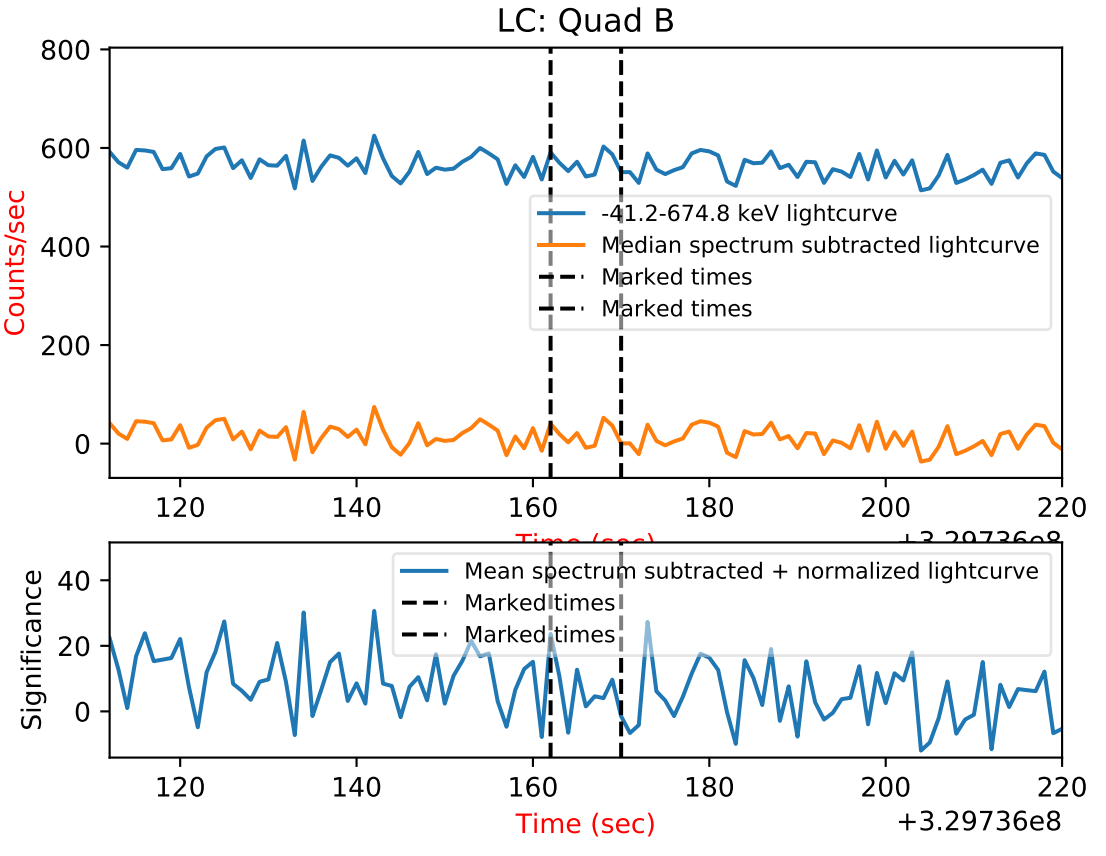

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
0
10
Strength/keV
Strength/sec
60
40
20
0
Marked times
Marked times
Time (sec)
+3.29736e8
# bins

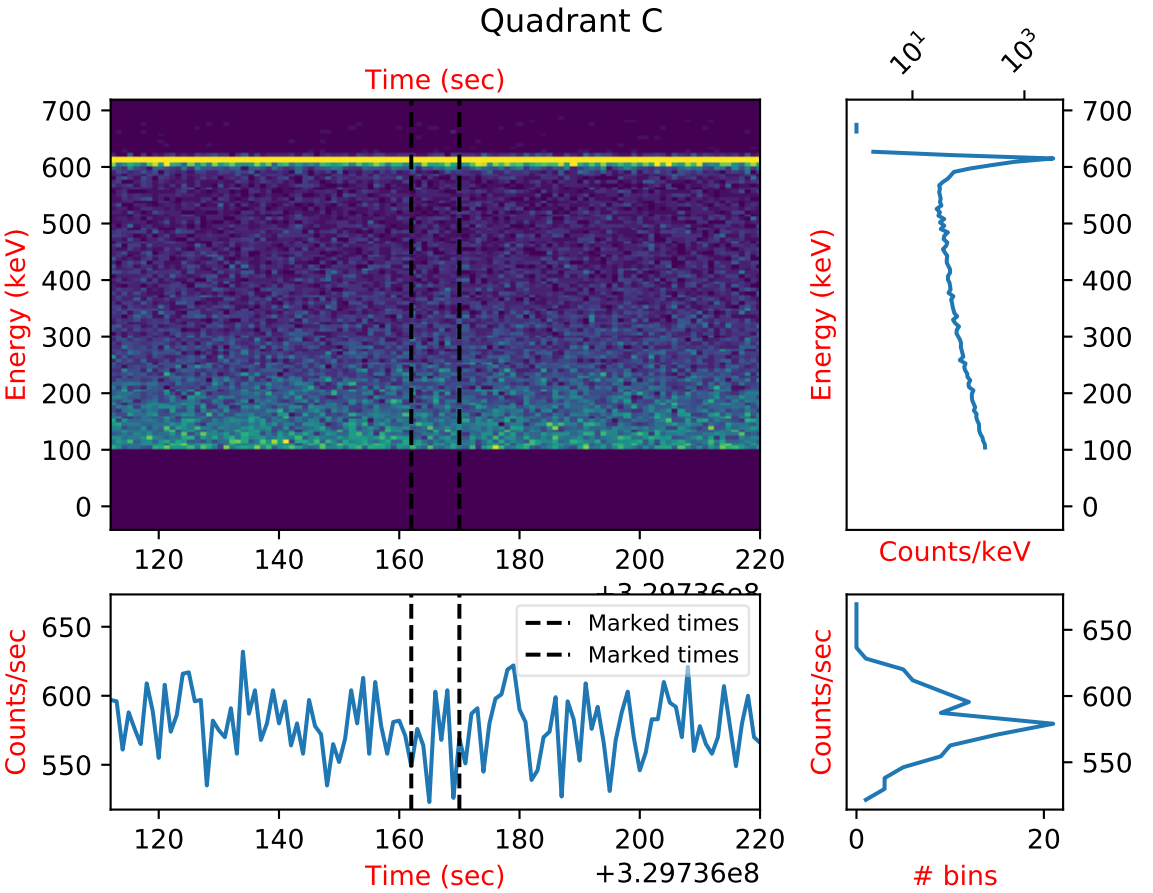

LC: Quad A
Counts/sec
600
400
200
0
-56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
120
140
160
180
200
220
Significance
50
25
0
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+3.29736e8

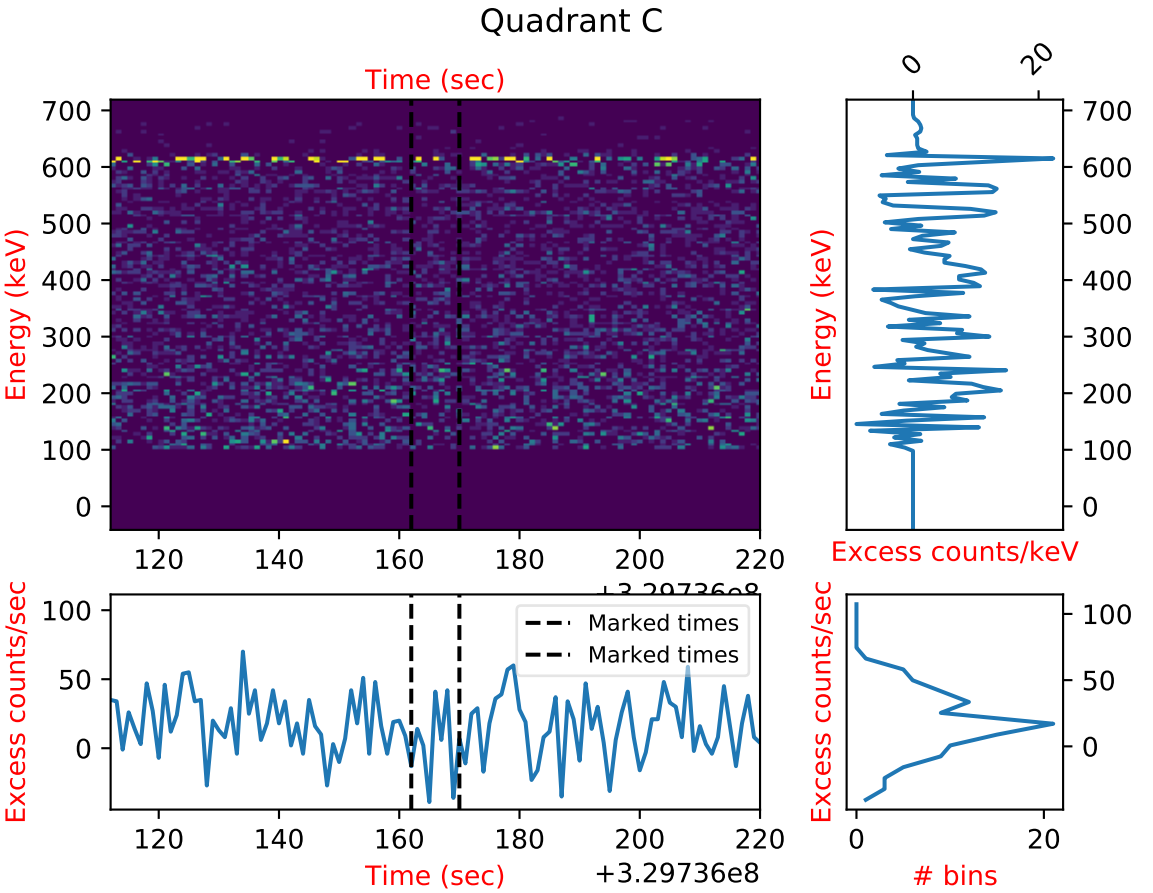

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
$10^2$
Counts/keV
Counts/sec
650
600
550
Marked times
Marked times
Time (sec)
+3.29736e8
0
10
# bins

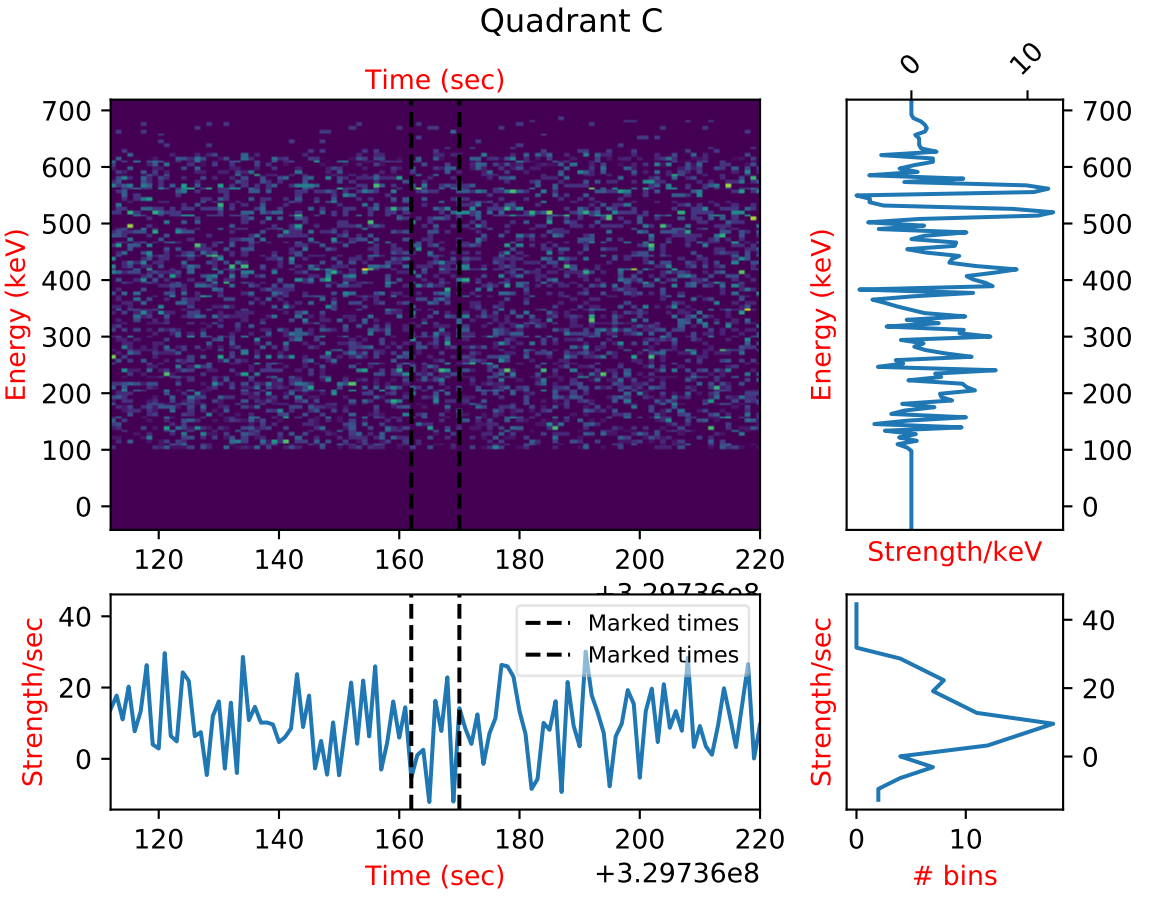

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
Excess counts/keV
0
10
Excess counts/sec
100
50
0
Marked times
Marked times
Time (sec)
+3.29736e8
# bins

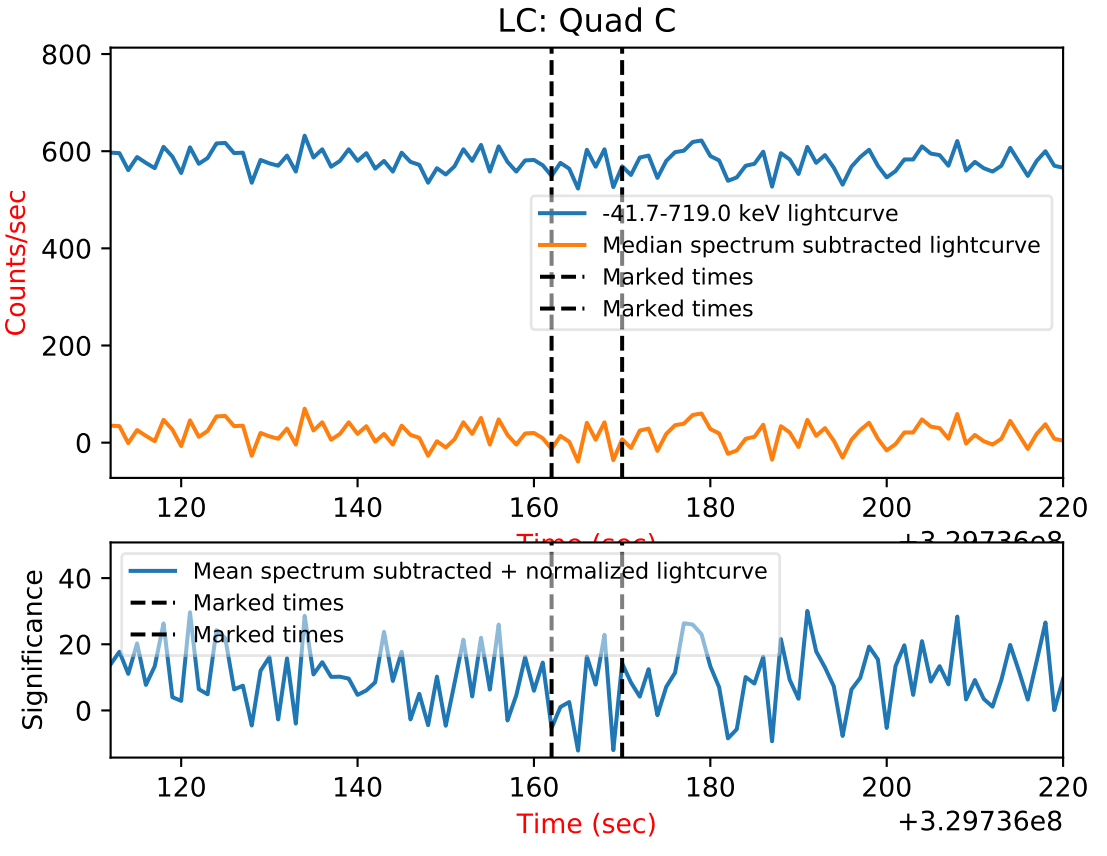

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
Strength/sec
40
20
0
Marked times
Marked times
Time (sec)
+3.29736e8
0
10
Strength/keV
# bins

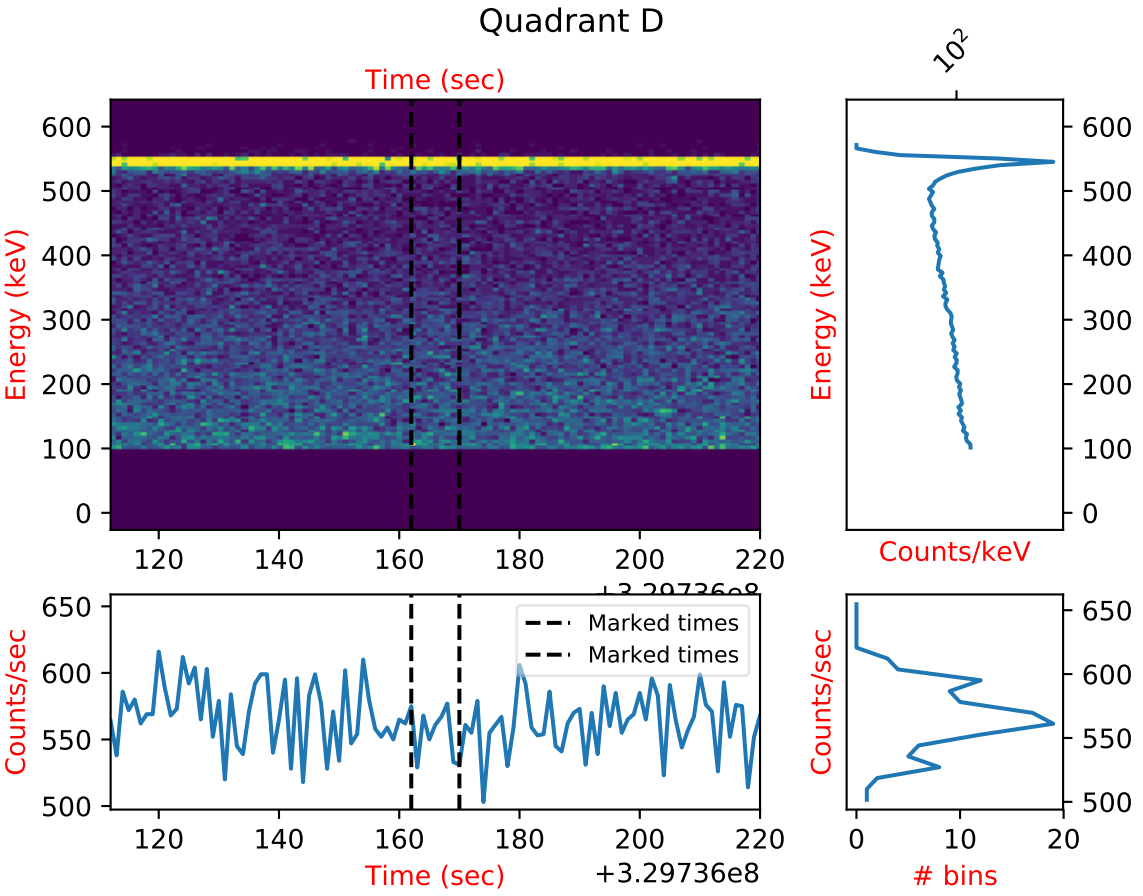

LC: Quad B
Counts/sec
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Significance
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+3.29736e8

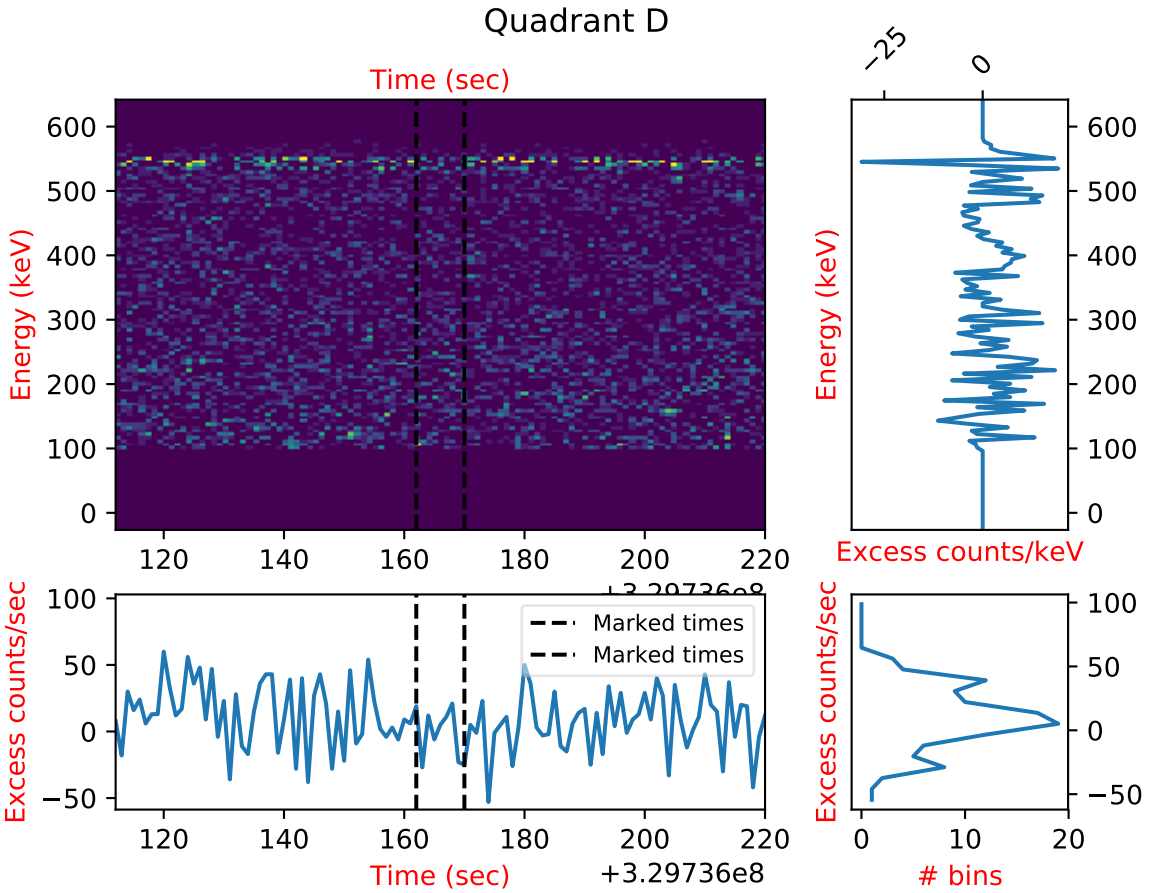

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
$10^1$
$10^3$
Counts/keV
Counts/sec
650
600
550
Marked times
Marked times
Time (sec)
+3.29736e8
# bins
0
20

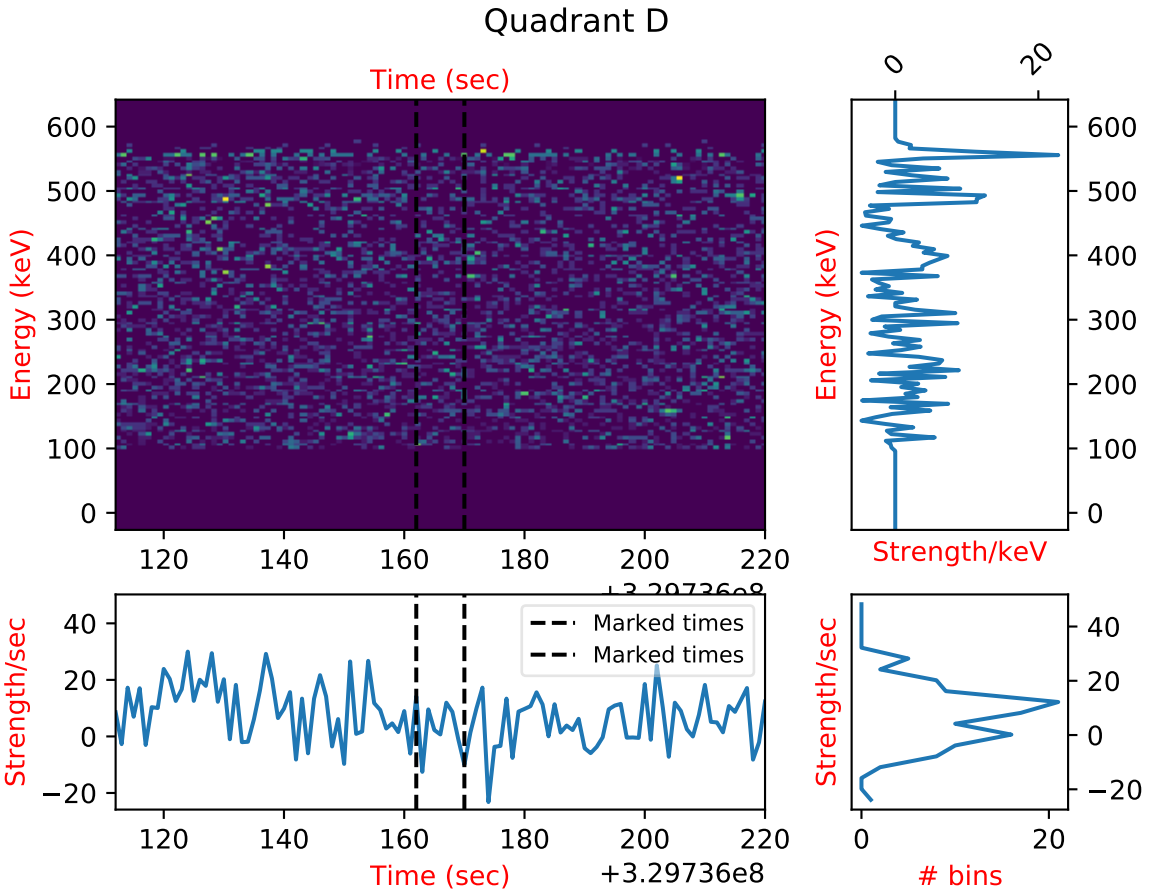

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
0
20
Excess counts/keV
Excess counts/sec
100
50
0
Marked times
Marked times
Time (sec)
+3.29736e8
# bins

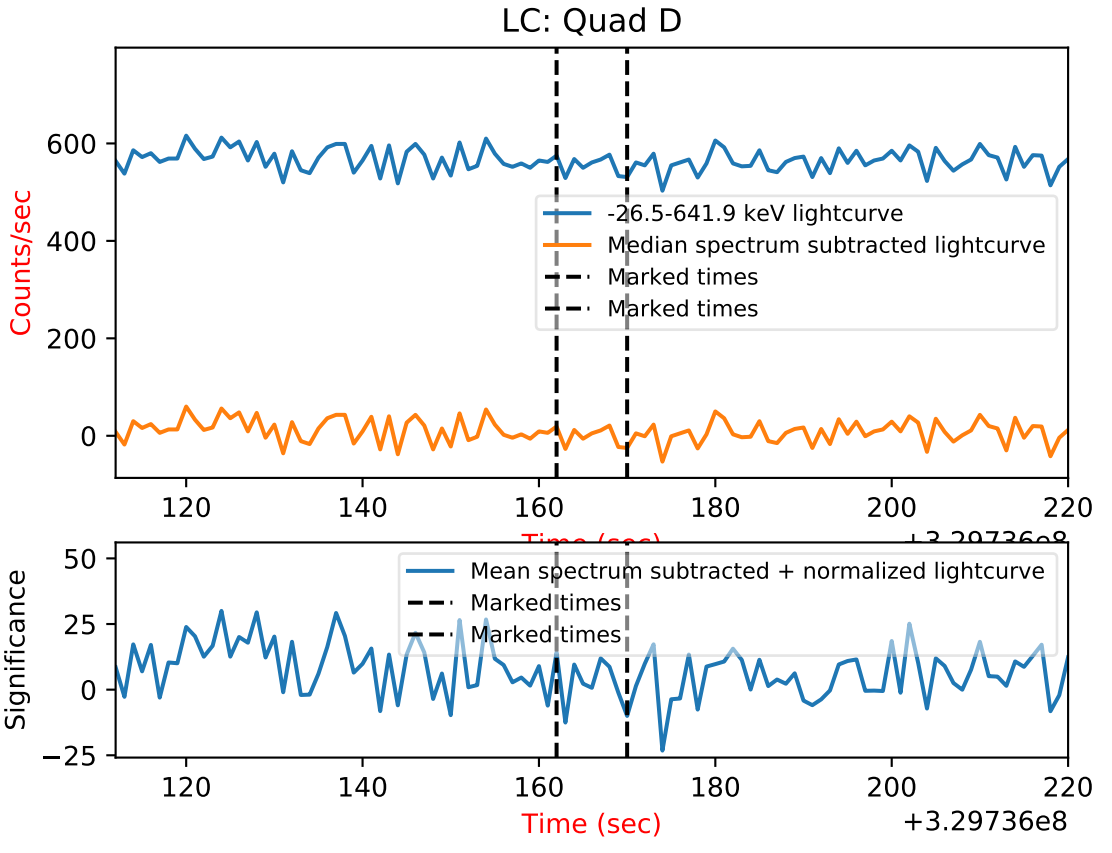

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
Strength/keV
0
10
Strength/sec
40
20
0
Marked times
Marked times
Time (sec)
+3.29736e8
# bins

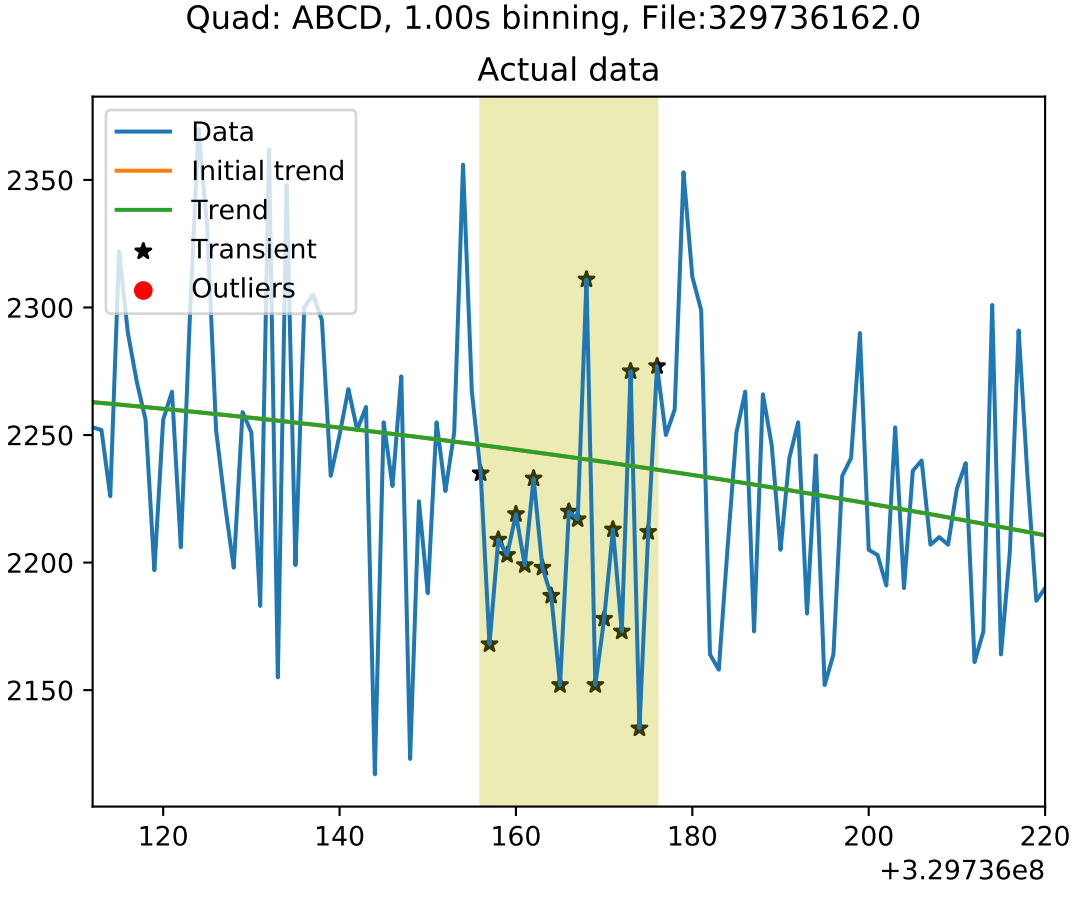

LC: Quad C
Counts/sec
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
Time (sec)
+3.29736e8

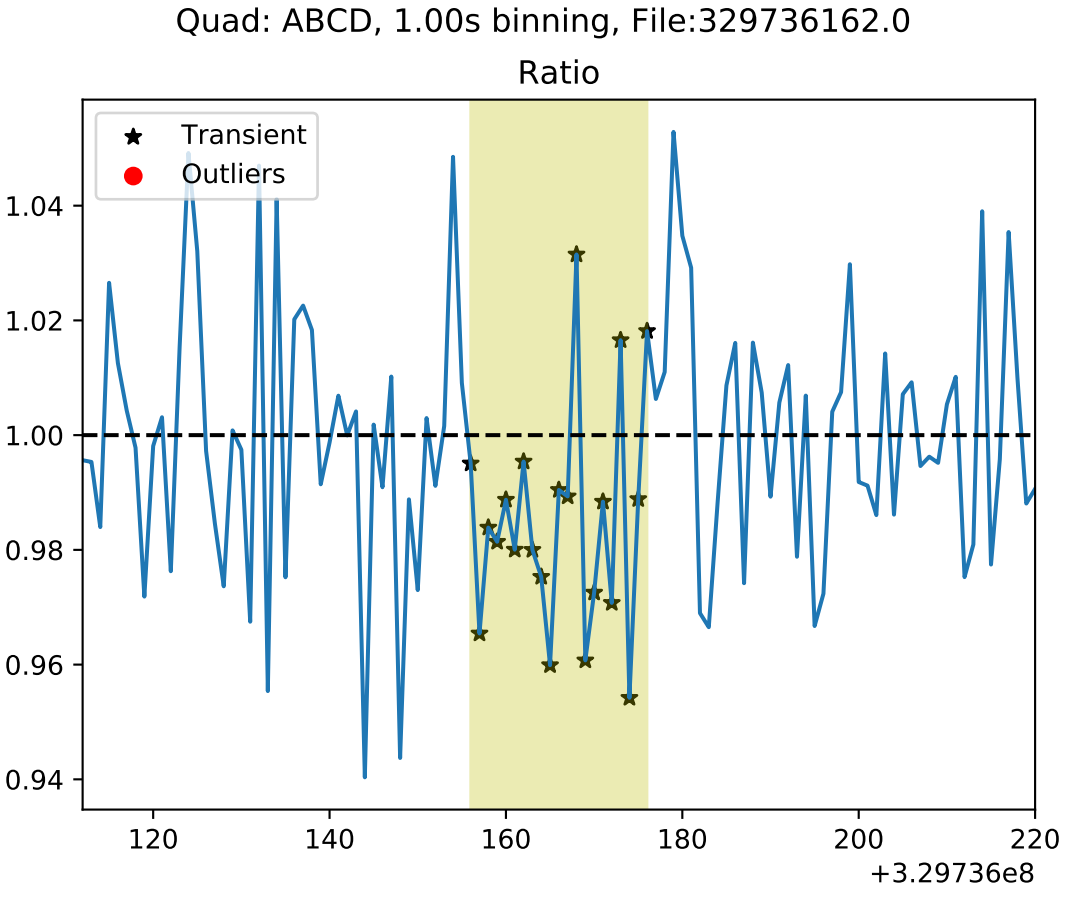

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
$10^2$
Counts/keV
Counts/sec
650
600
550
500
Marked times
Marked times
Time (sec)
+3.29736e8
# bins
0
10
20

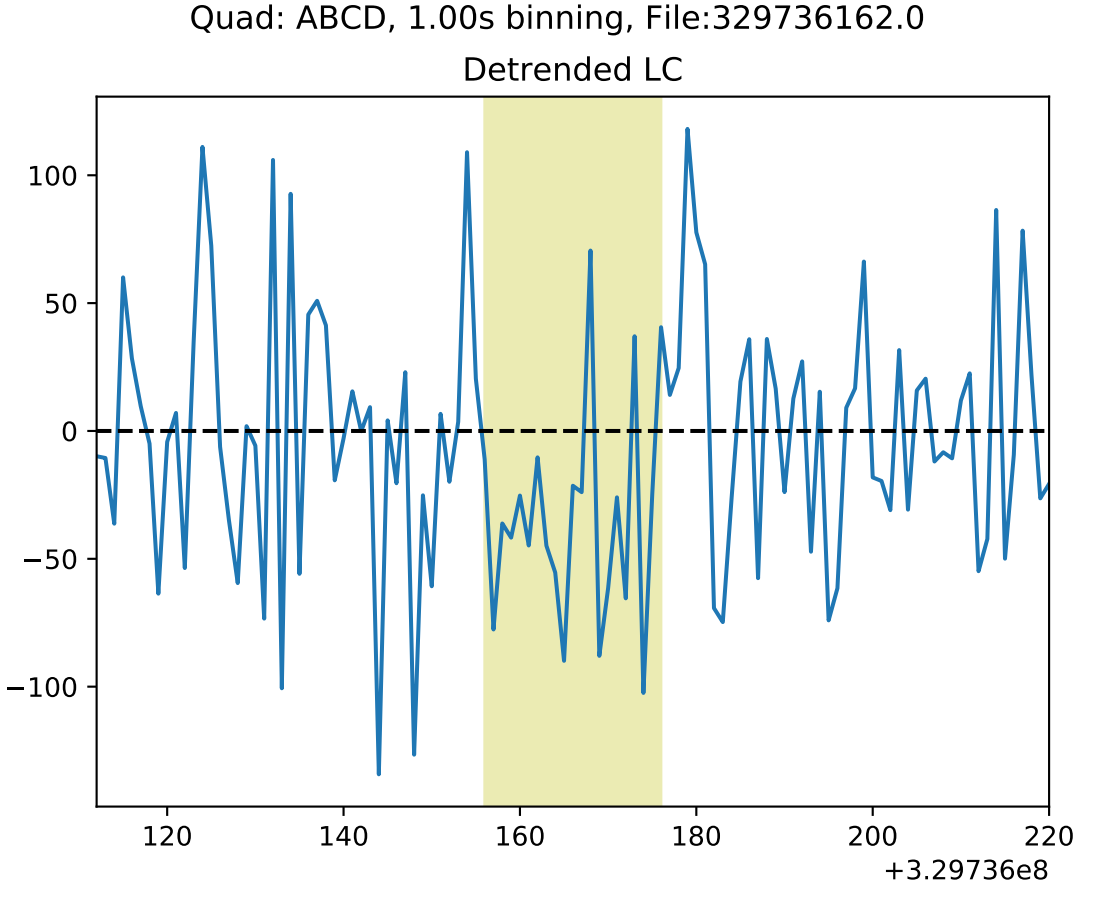

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
−25
0
Excess counts/keV
Excess counts/sec
100
50
0
−50
Marked times
Marked times
Time (sec)
+3.29736e8
# bins
10
20


Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
120
140
160
180
200
220
+3.29736e8
Strength/keV
0
20
Strength/sec
40
20
0
−20
Marked times
Marked times
Time (sec)
+3.29736e8
# bins

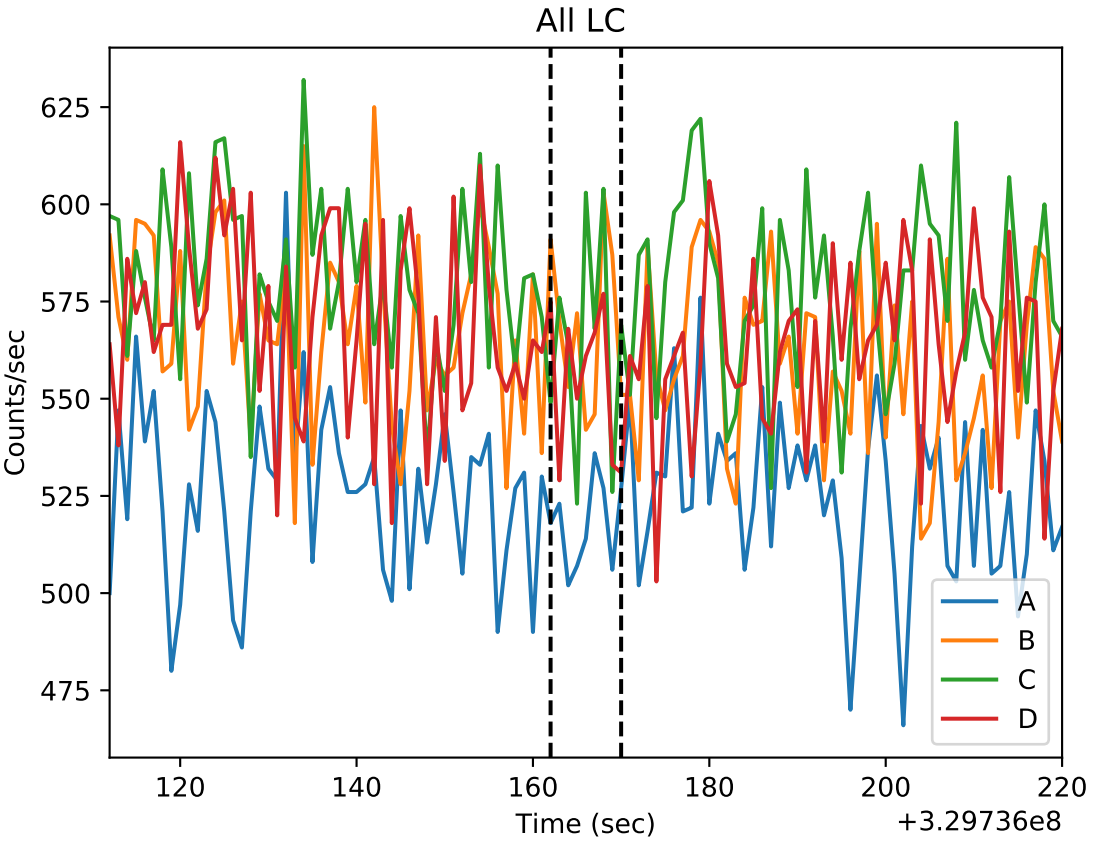

LC: Quad D
Counts/sec
600
400
200
0
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
120
140
160
180
200
220
Significance
50
25
0
−25
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+3.29736e8


Quad: ABCD, 1.00s binning, File:329736162.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
2350
2300
2250
2200
2150
120
140
160
180
200
220
+3.29736e8


Quad: ABCD, 1.00s binning, File:329736162.0
Ratio
Transient
Outliers
1.04
1.02
1.00
0.98
0.96
0.94
120
140
160
180
200
220
+3.29736e8


Quad: ABCD, 1.00s binning, File:329736162.0
Detrended LC
100
50
0
−50
−100
120
140
160
180
200
220
+3.29736e8

Quad: ABCD, 1.00s binning, File:329736162.0
T90 measurement
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
120
140
160
180
200
220
+3.29736e8
Without outlier rejection
With outlier rejection
T90 = 23.66


All LC
Counts/sec
625
600
575
550
525
500
475
120
140
160
180
200
220
Time (sec)
+3.29736e8
A
B
C
D