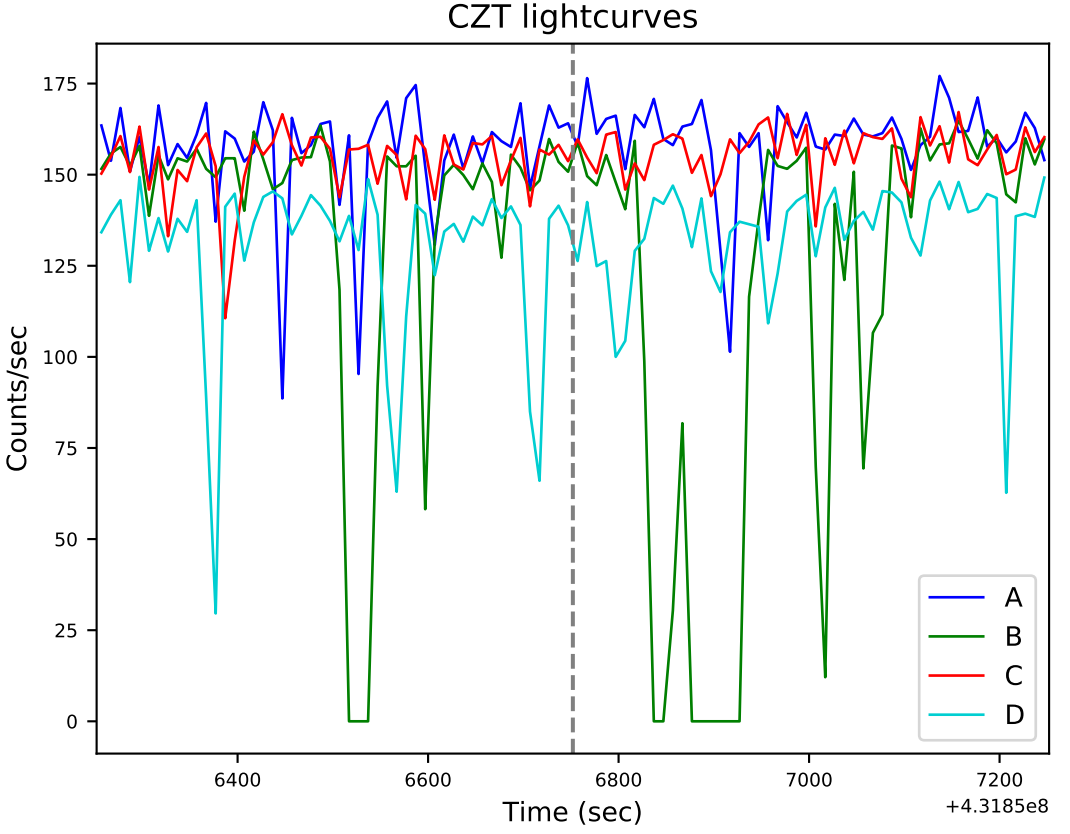
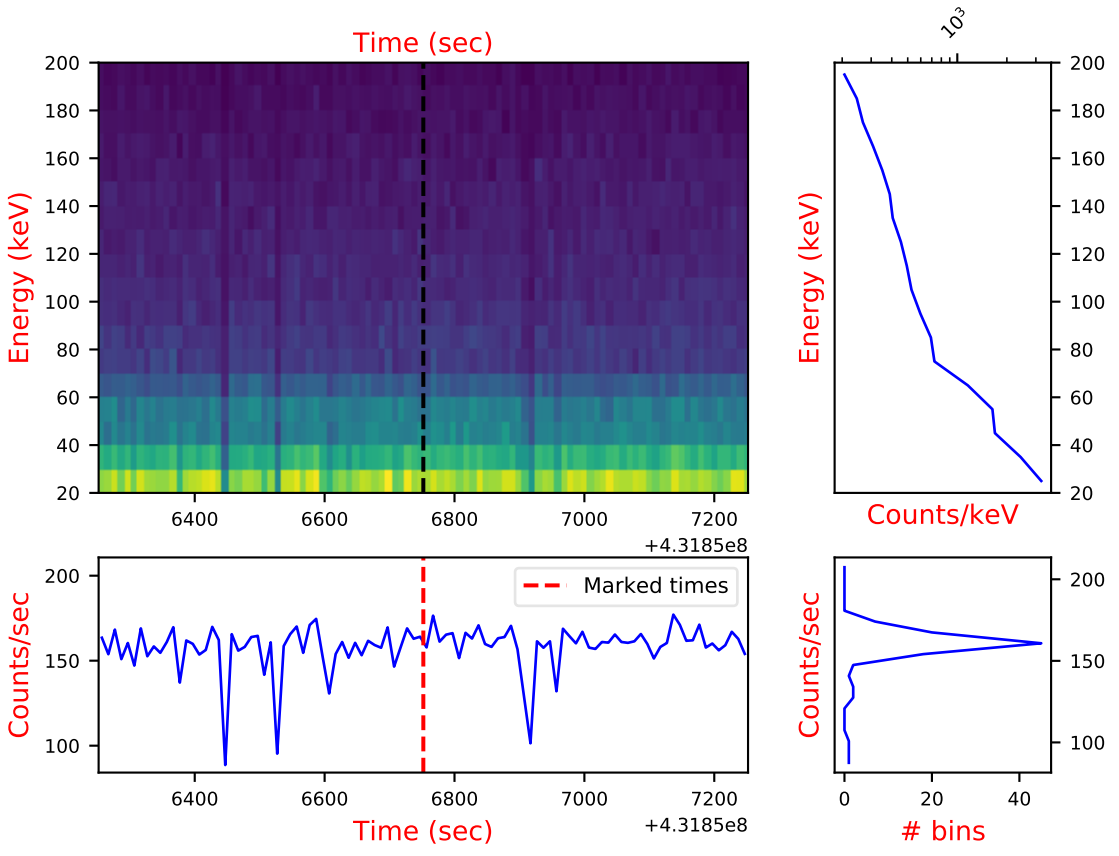
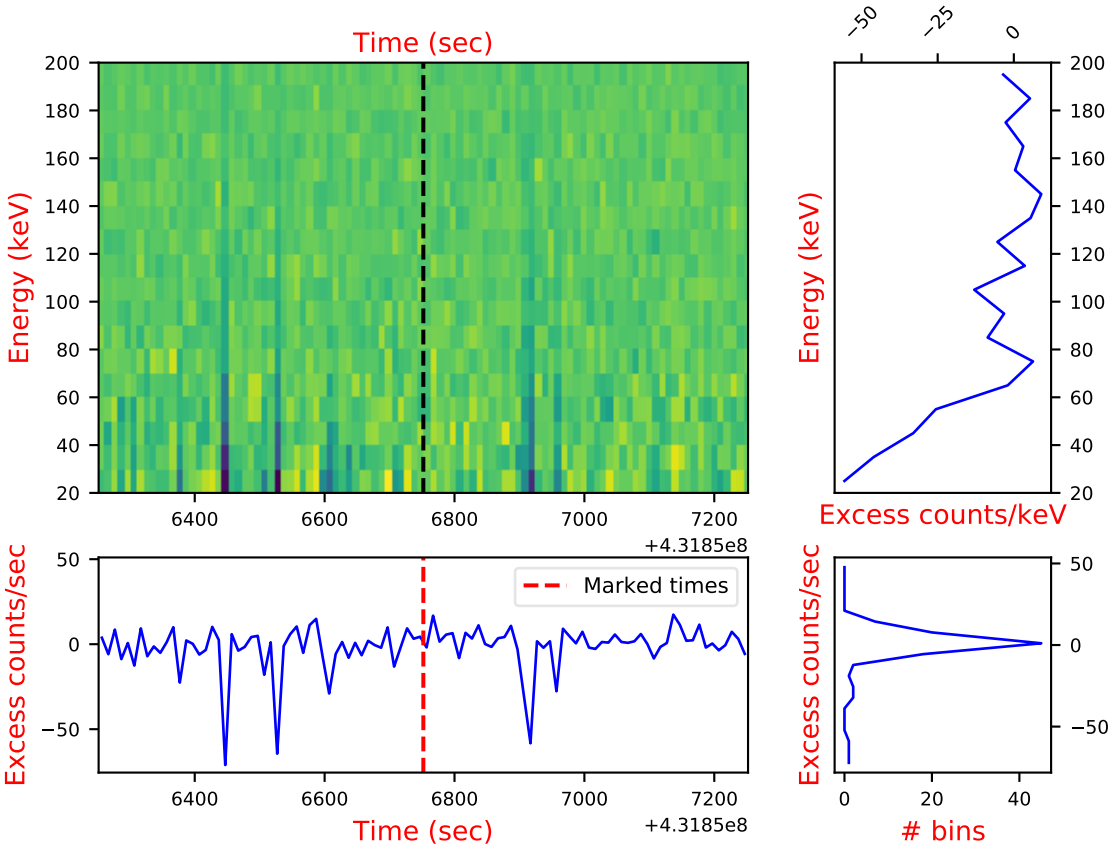
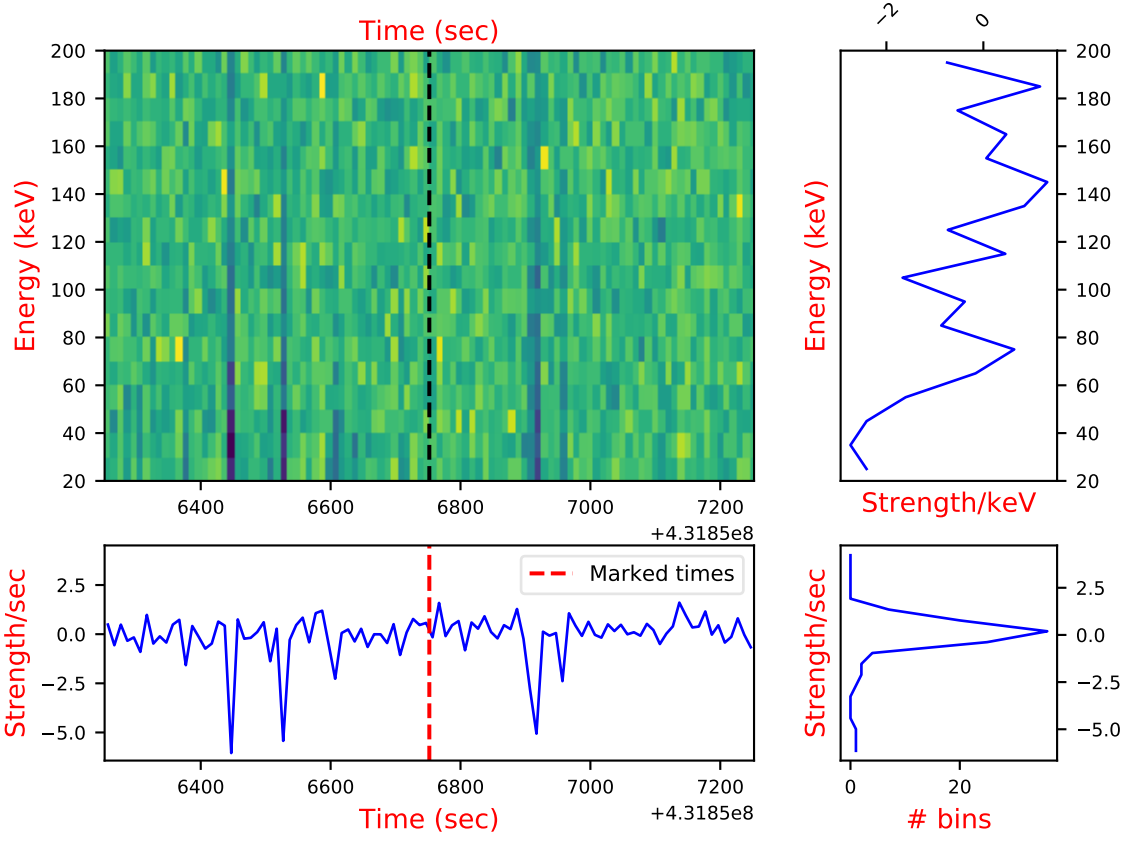
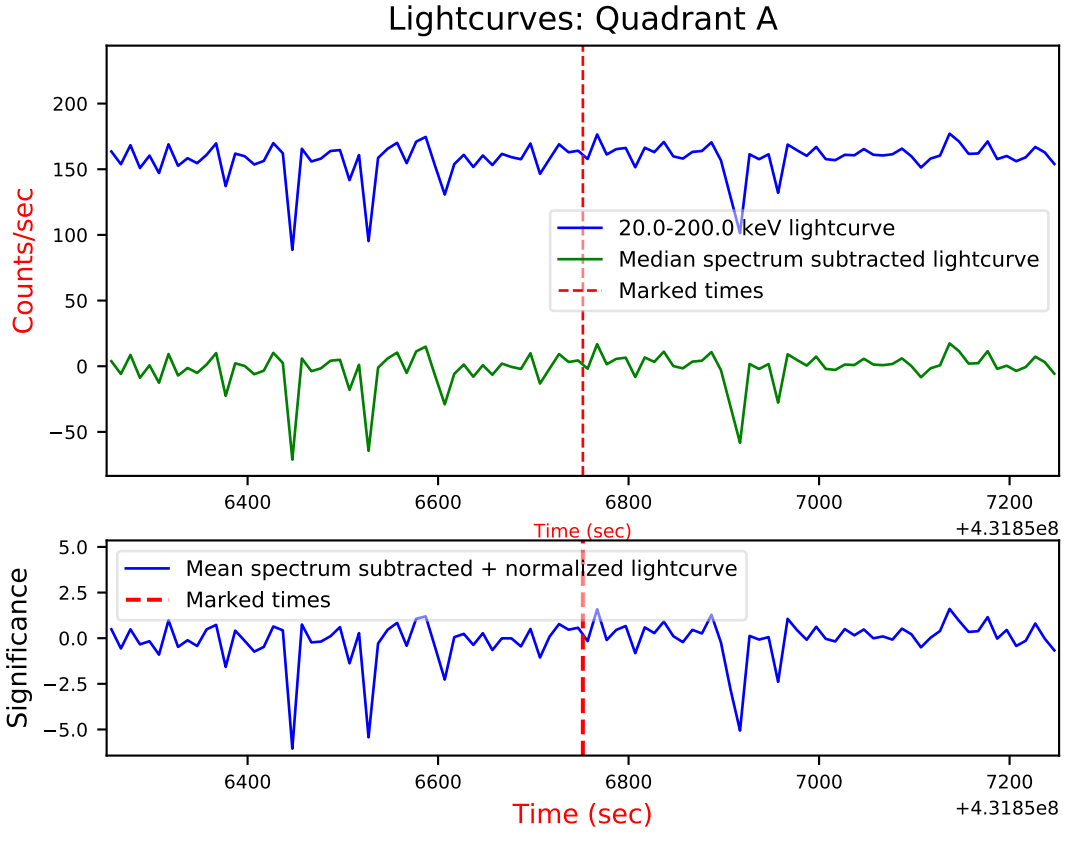
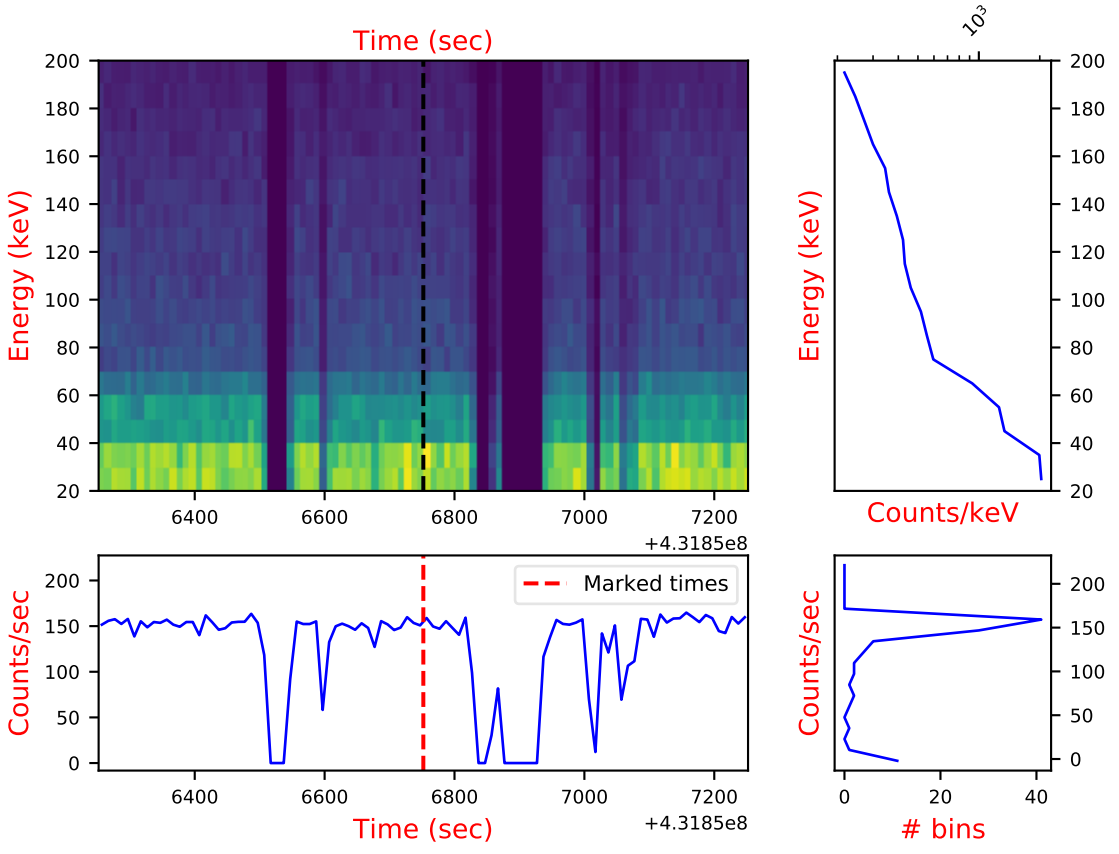

CZT lightcurves
Counts/sec
Time (sec)
+4.3185e8
A
B
C
D

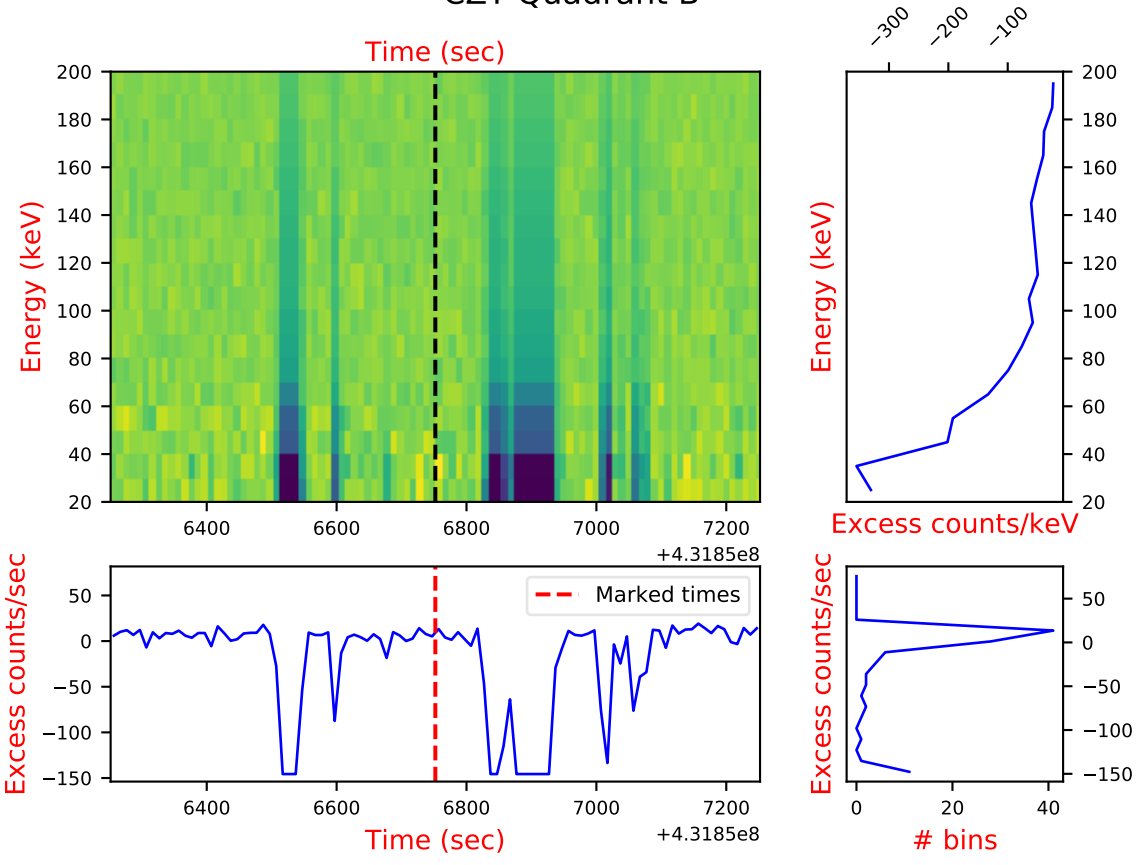

CZT Quadrant A
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
+4.3185e8
10^3
Counts/keV
Counts/sec
Marked times
150
0
20
40
bins

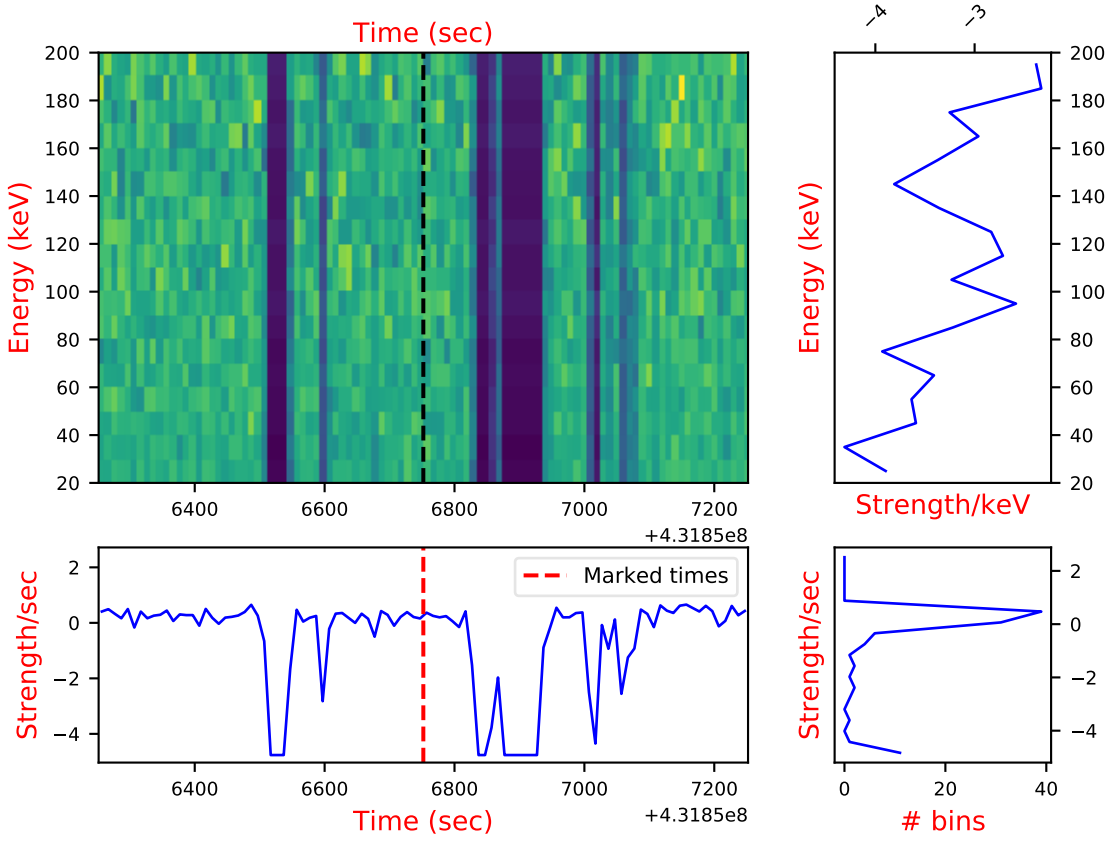

CZT Quadrant A
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
−50
−25
0
Excess counts/keV
+4.3185e8
Excess counts/sec
50
0
−50
Marked times
Time (sec)
bins
20
40


CZT Quadrant A
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
+4.3185e8
−2
0
Strength/keV
Strength/sec
2.5
0.0
−2.5
−5.0
Marked times
Time (sec)
bins

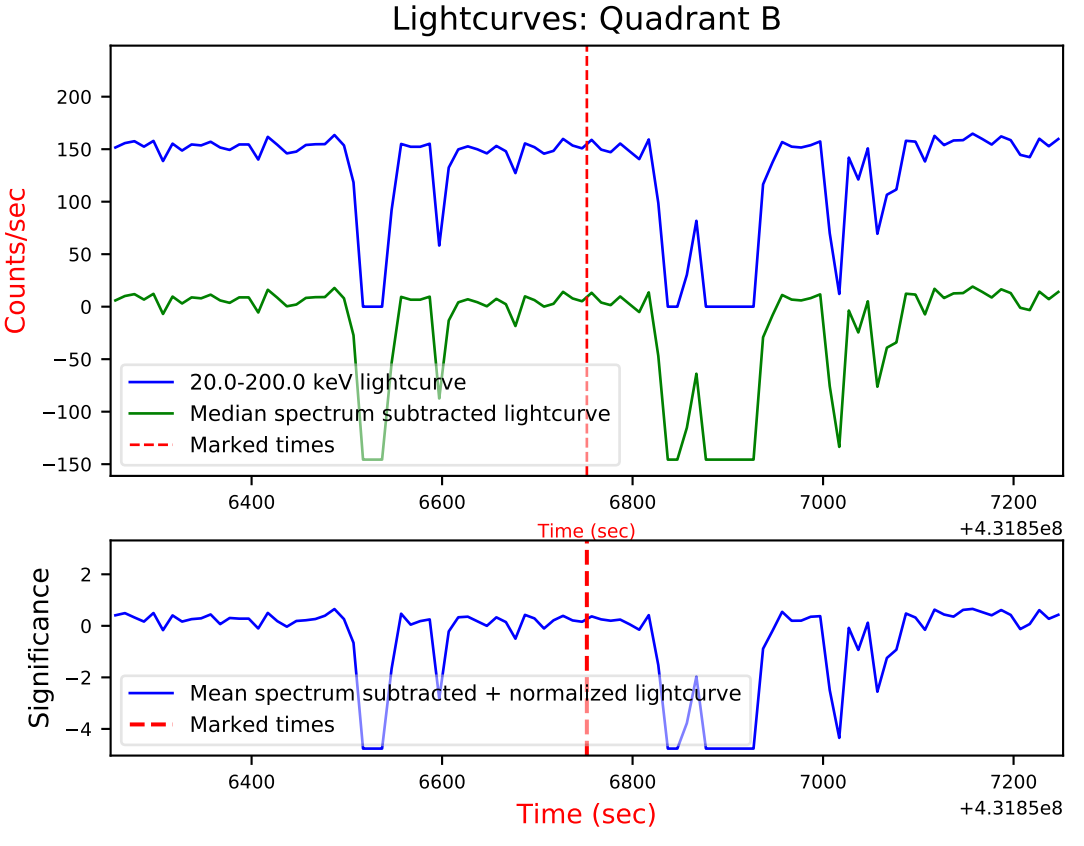

Lightcurves: Quadrant A
Counts/sec
200
150
100
50
0
−50
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
6400
6600
6800
7000
7200
Time (sec)
+4.3185e8
Significance
5.0
2.5
0.0
−2.5
−5.0
Mean spectrum subtracted + normalized lightcurve
Marked times
6400
6600
6800
7000
7200
Time (sec)
+4.3185e8

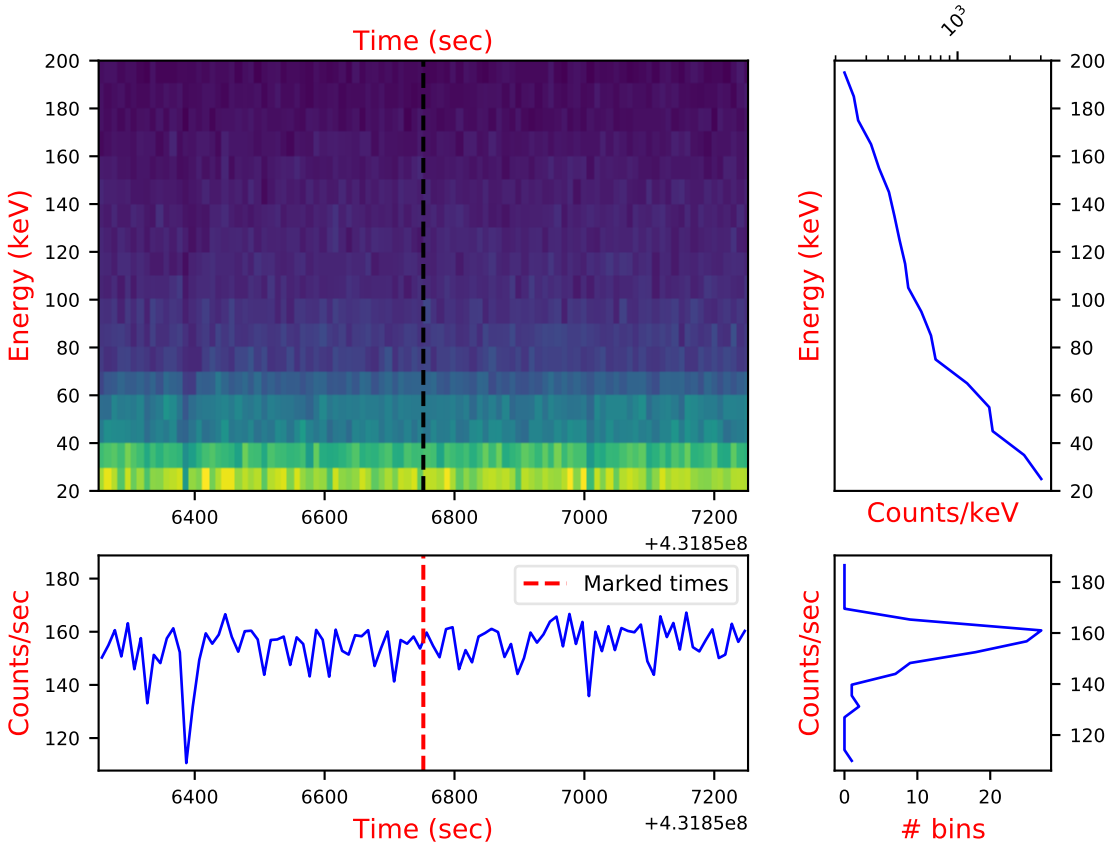

CZT Quadrant B
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
+4.3185e8
10^3
Counts/keV
Counts/sec
Marked times
0
50
150
bins
40

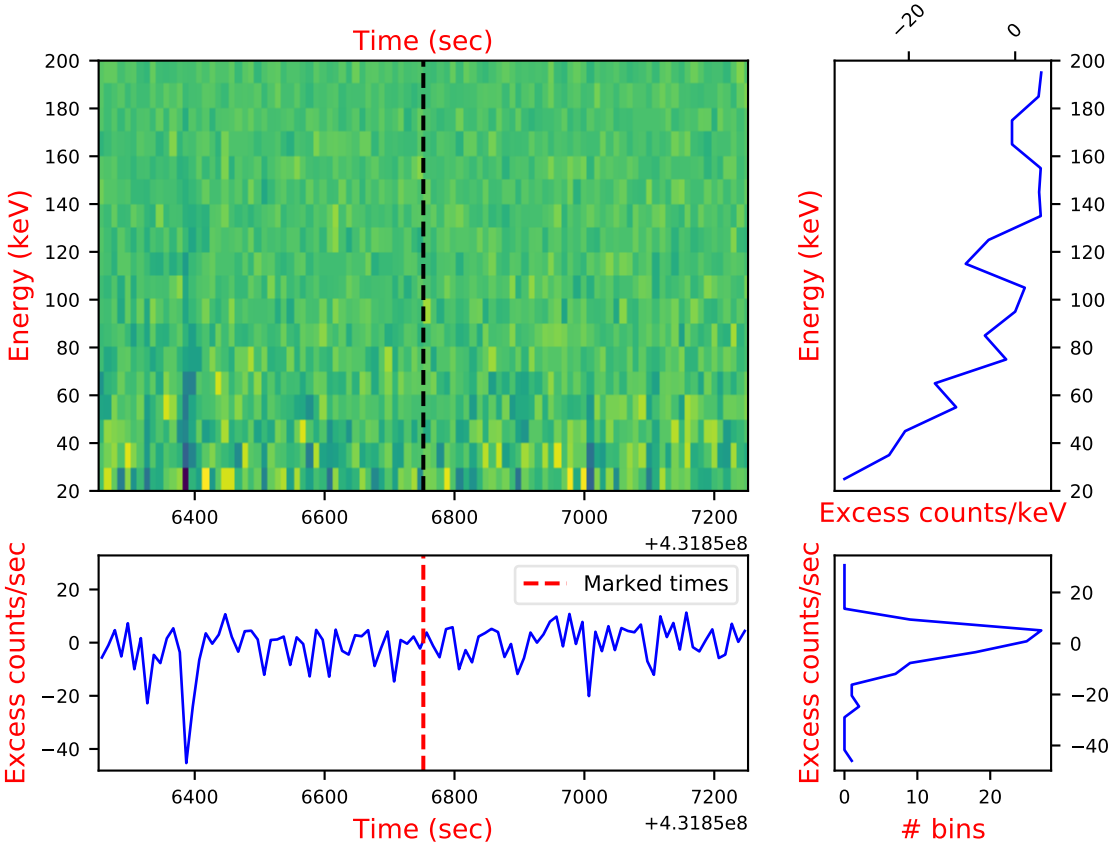

CZT Quadrant B
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
−300
−200
−100
Energy (keV)
Excess counts/keV
+4.3185e8
Marked times
Excess counts/sec
50
0
−50
−100
−150
Excess counts/sec
Time (sec)
bins
0
20
40

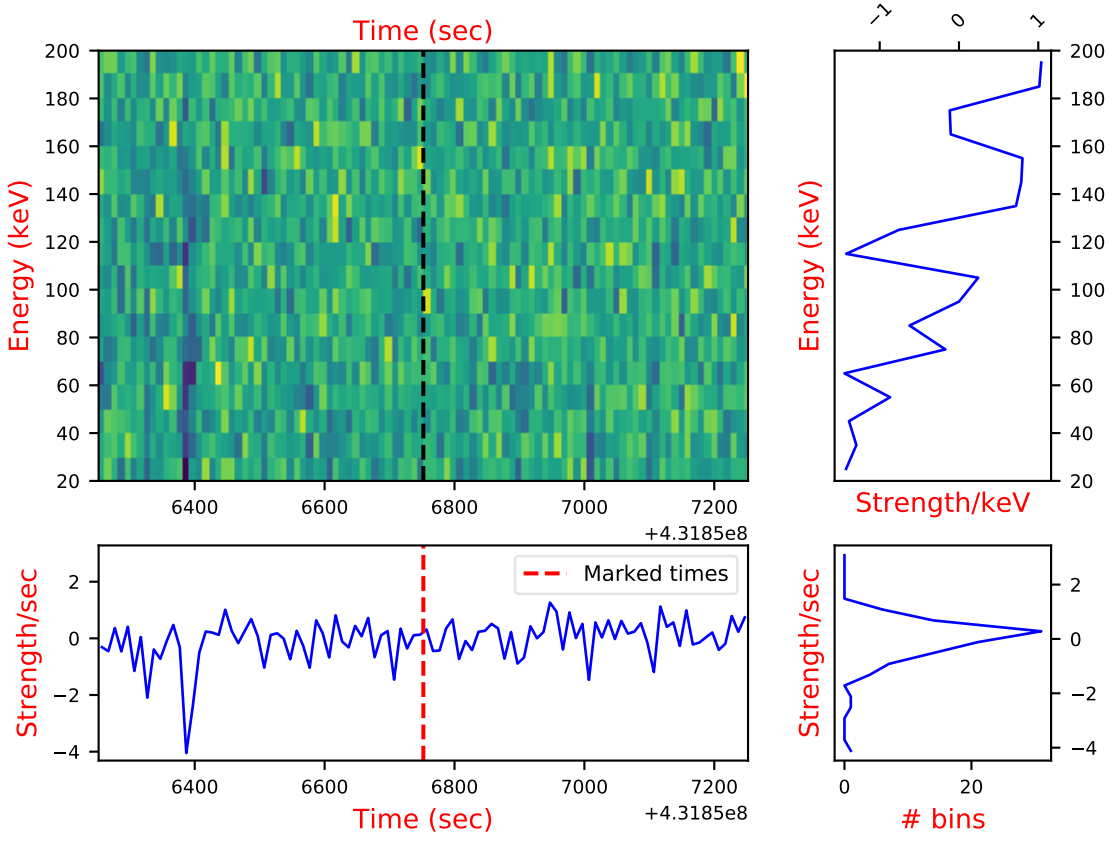


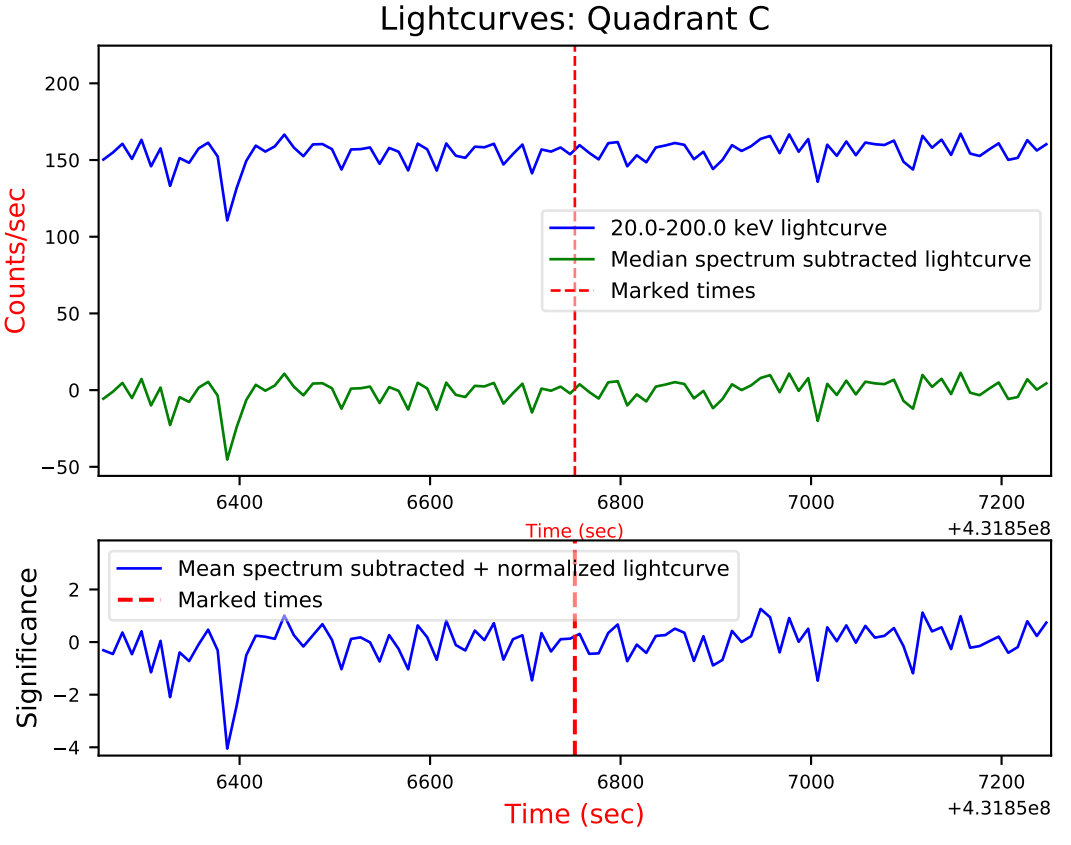
CZT Quadrant B
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
+4.3185e8
−4
−3
Energy (keV)
Strength/keV
Strength/sec
2
0
−2
−4
Marked times
Time (sec)
+4.3185e8
Strength/sec
0
20
40
bins

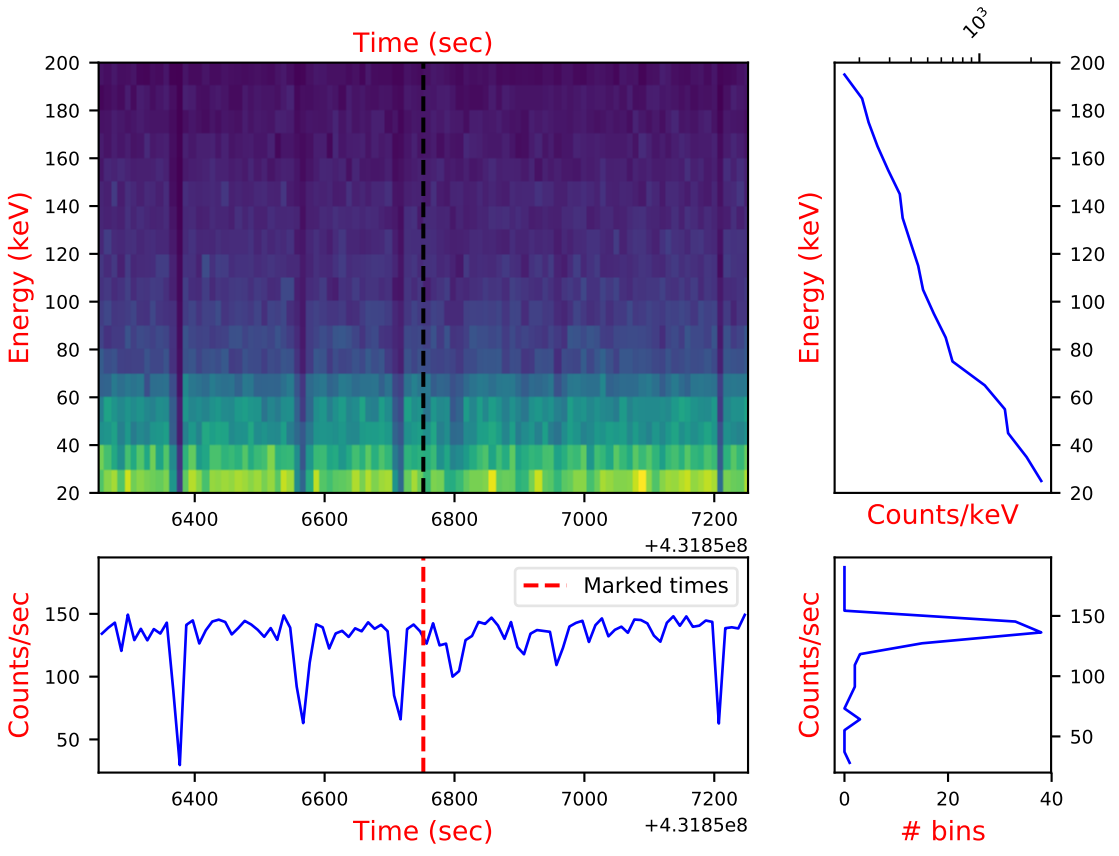

Lightcurves: Quadrant B
Counts/sec
200
150
100
50
0
−50
−100
−150
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
6400
6600
6800
7000
7200
+4.3185e8
Time (sec)
Significance
2
0
−2
−4
Mean spectrum subtracted + normalized lightcurve
Marked times
6400
6600
6800
7000
7200
+4.3185e8
Time (sec)

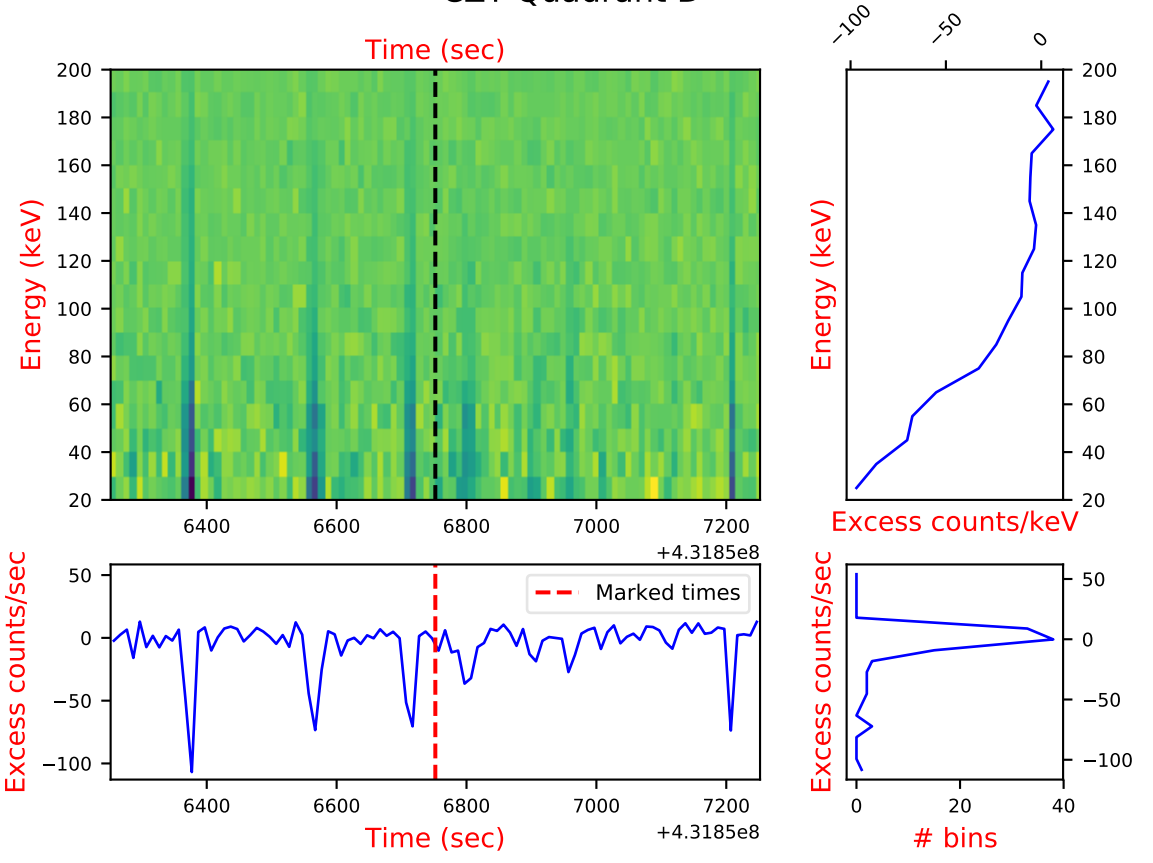

CZT Quadrant C
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
+4.3185e8
10^3
Counts/keV
Counts/sec
Marked times
Time (sec)
0
10
20
bins

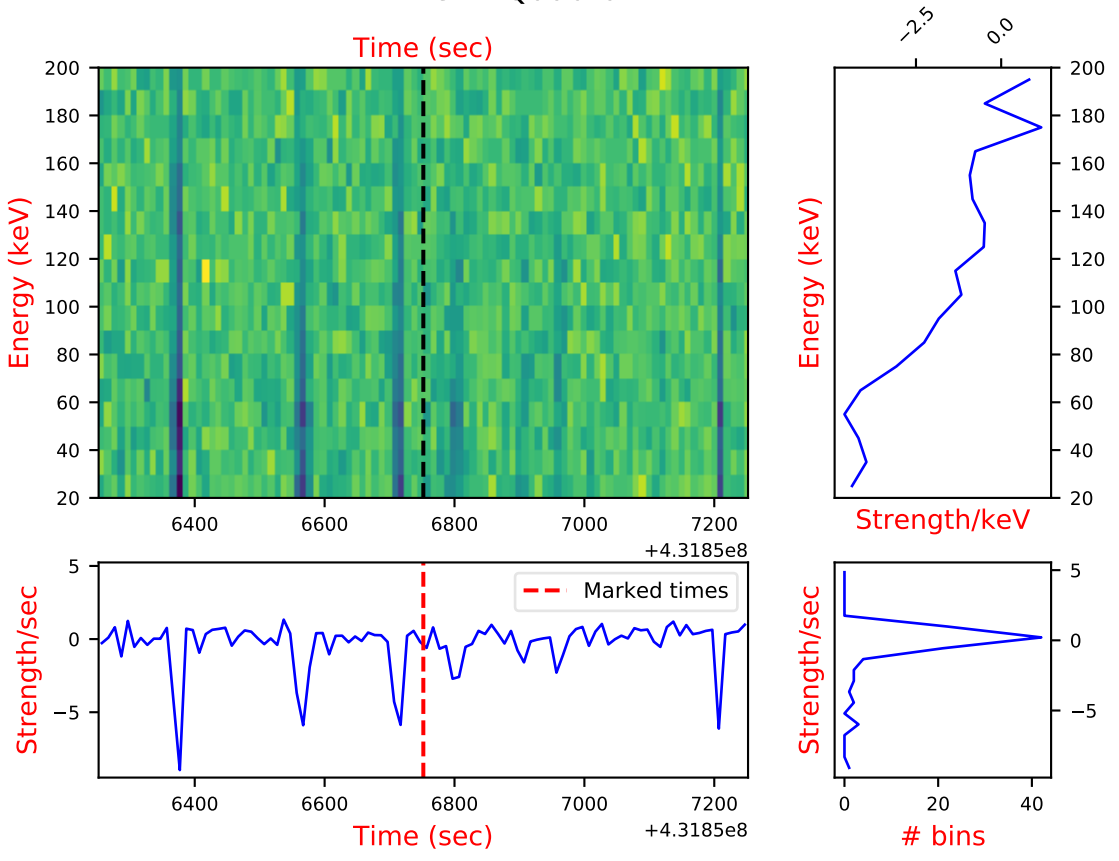

CZT Quadrant C
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
+4.3185e8
−20
0
Excess counts/keV
Excess counts/sec
Marked times
20
0
−20
−40
Time (sec)
bins
10

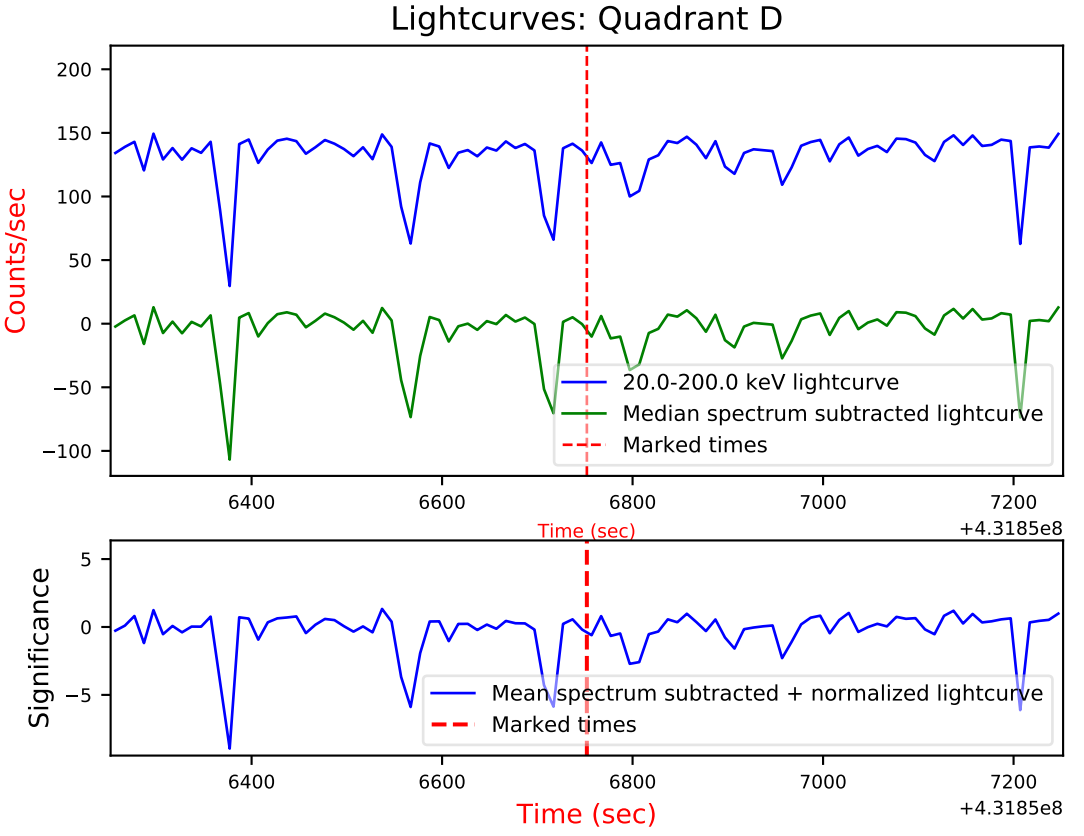

CZT Quadrant C
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
+4.3185e8
−1
0
1
Strength/keV
Strength/sec
Marked times
2
0
−2
−4
bins


Lightcurves: Quadrant C
Counts/sec
200
150
100
50
0
−50
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
6400
6600
6800
7000
7200
Time (sec)
+4.3185e8
Significance
Mean spectrum subtracted + normalized lightcurve
Marked times
2
0
−2
−4
6400
6600
6800
7000
7200
Time (sec)
+4.3185e8


CZT Quadrant D
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
+4.3185e8
10^3
Counts/keV
Counts/sec
Marked times
150
100
50
0
20
40
bins


CZT Quadrant D
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
−100
−50
0
Excess counts/keV
+4.3185e8
Excess counts/sec
50
0
−50
−100
Marked times
Time (sec)
bins
40


CZT Quadrant D
Time (sec)
Energy (keV)
200
180
160
140
120
100
80
60
40
20
6400
6600
6800
7000
7200
−2.5
0.0
Strength/keV
+4.3185e8
Strength/sec
5
0
−5
Marked times
Time (sec)
bins
0
20
40


Lightcurves: Quadrant D
Counts/sec
200
150
100
50
0
−50
−100
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
6400
6600
6800
7000
7200
Time (sec)
+4.3185e8
Significance
5
0
−5
Mean spectrum subtracted + normalized lightcurve
Marked times
6400
6600
6800
7000
7200
Time (sec)
+4.3185e8