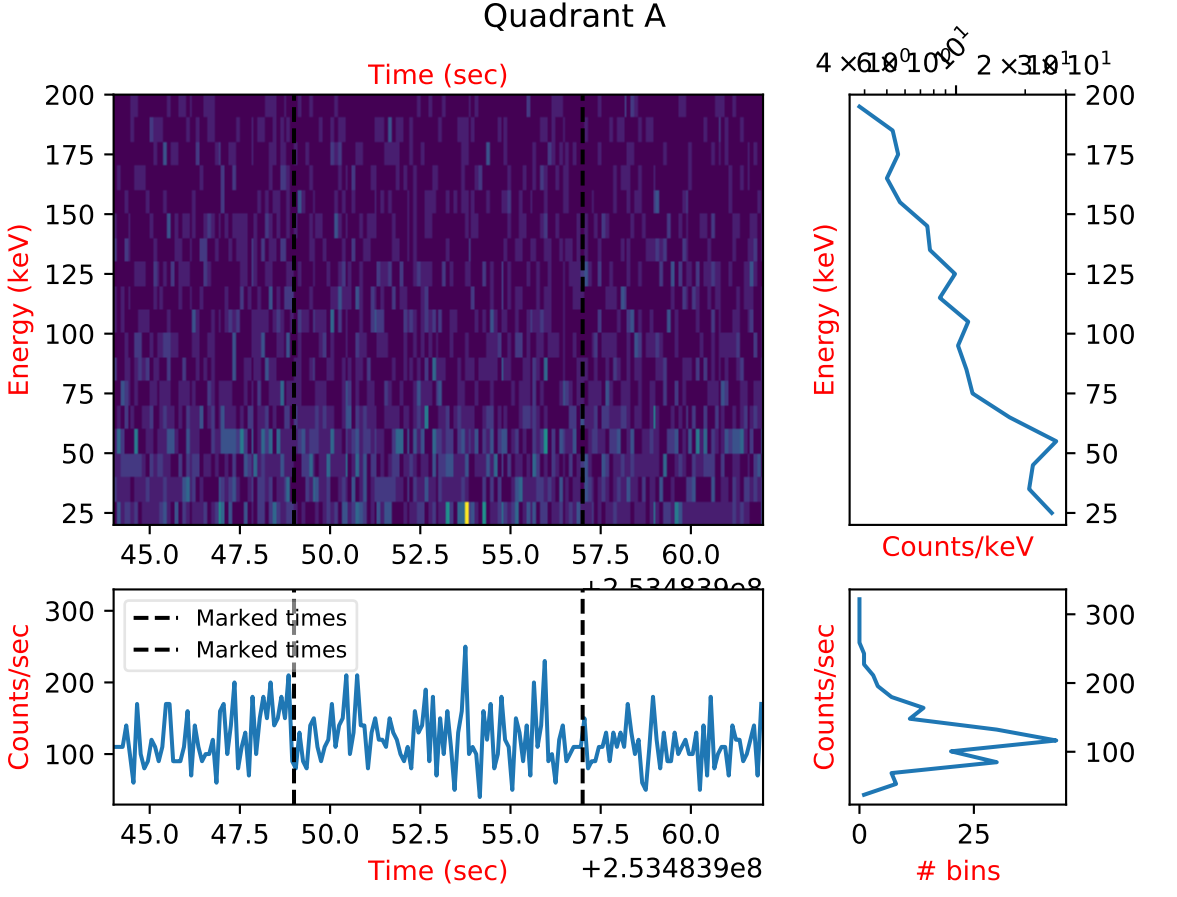
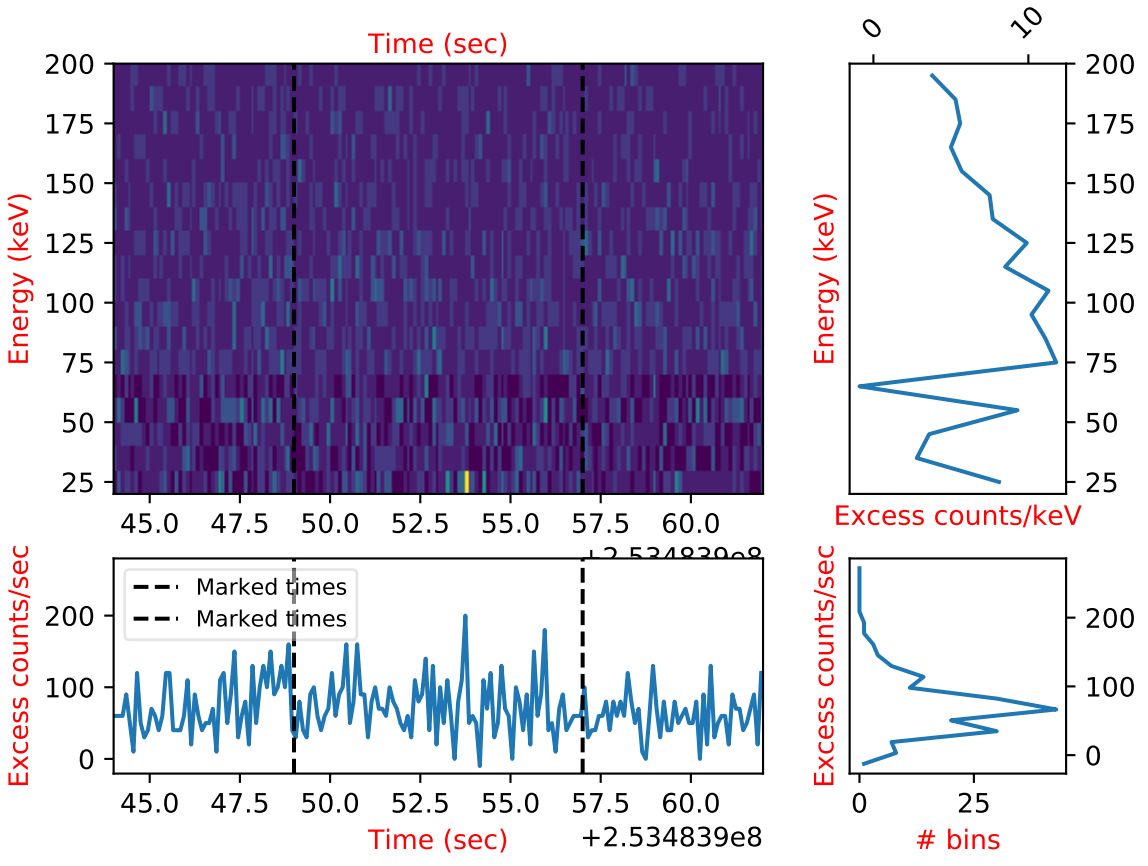
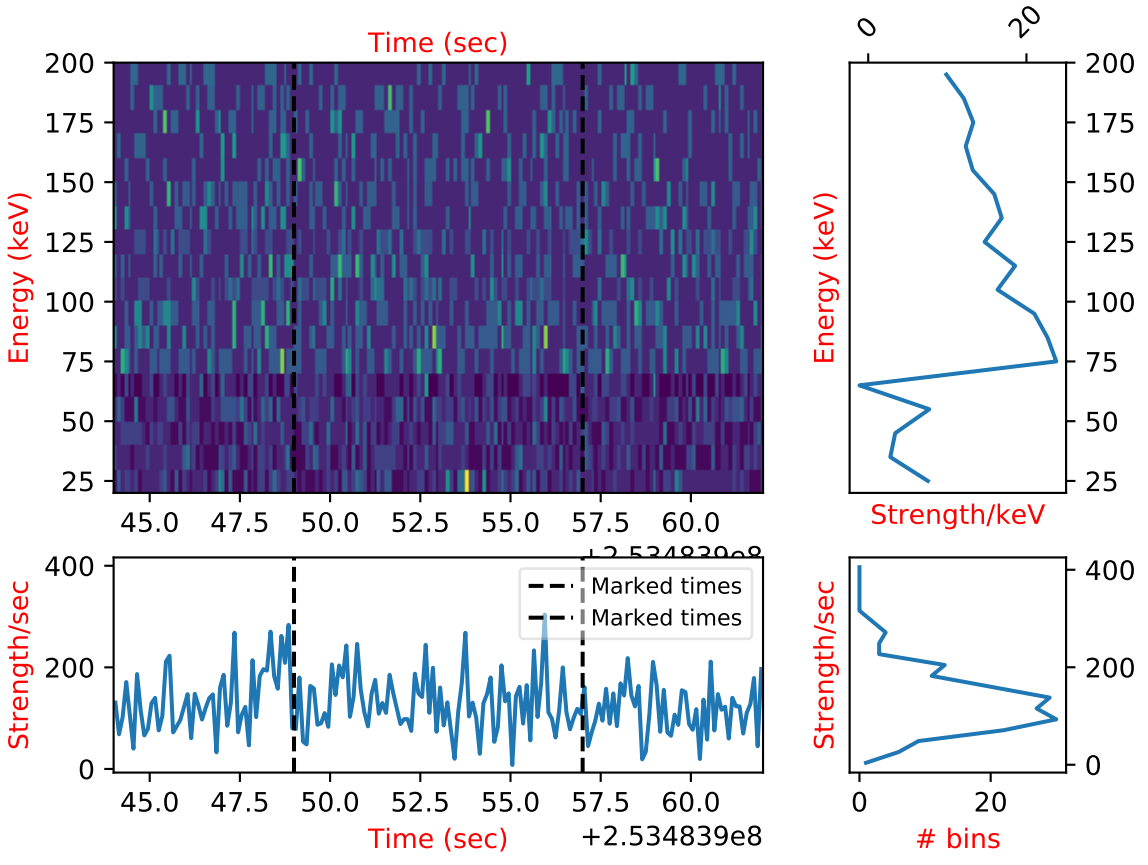
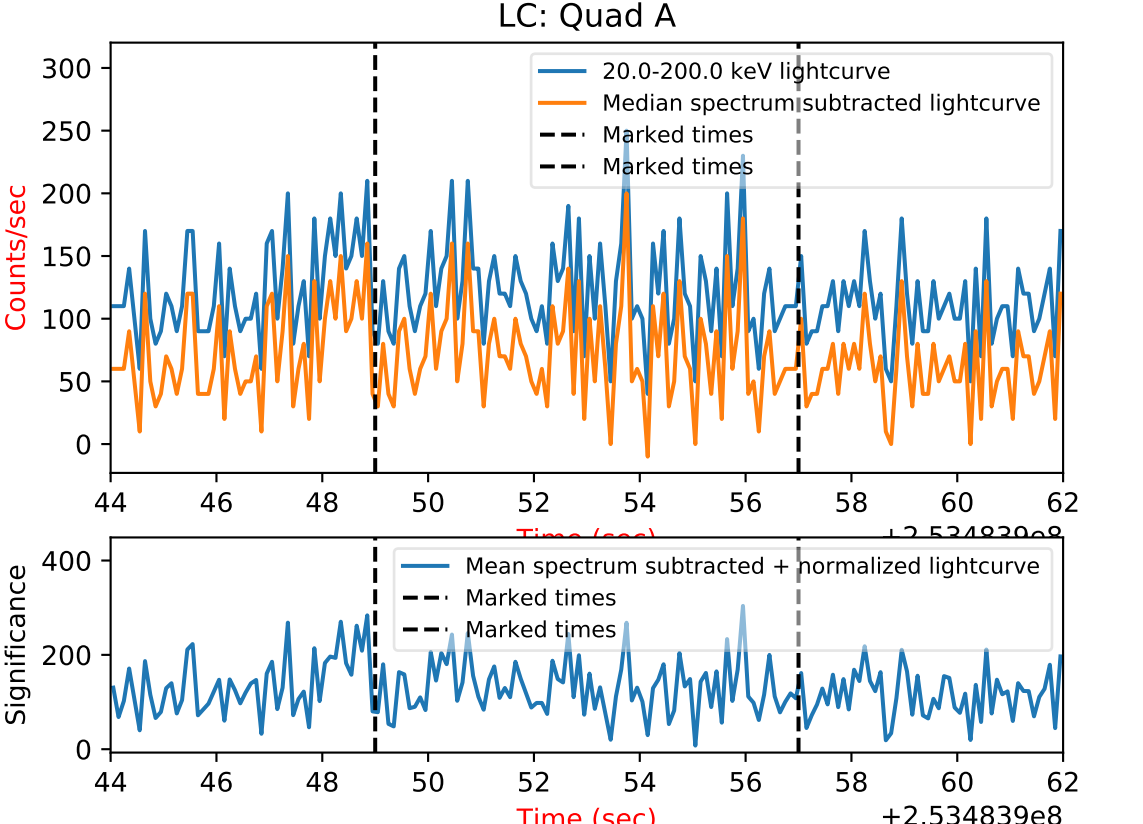
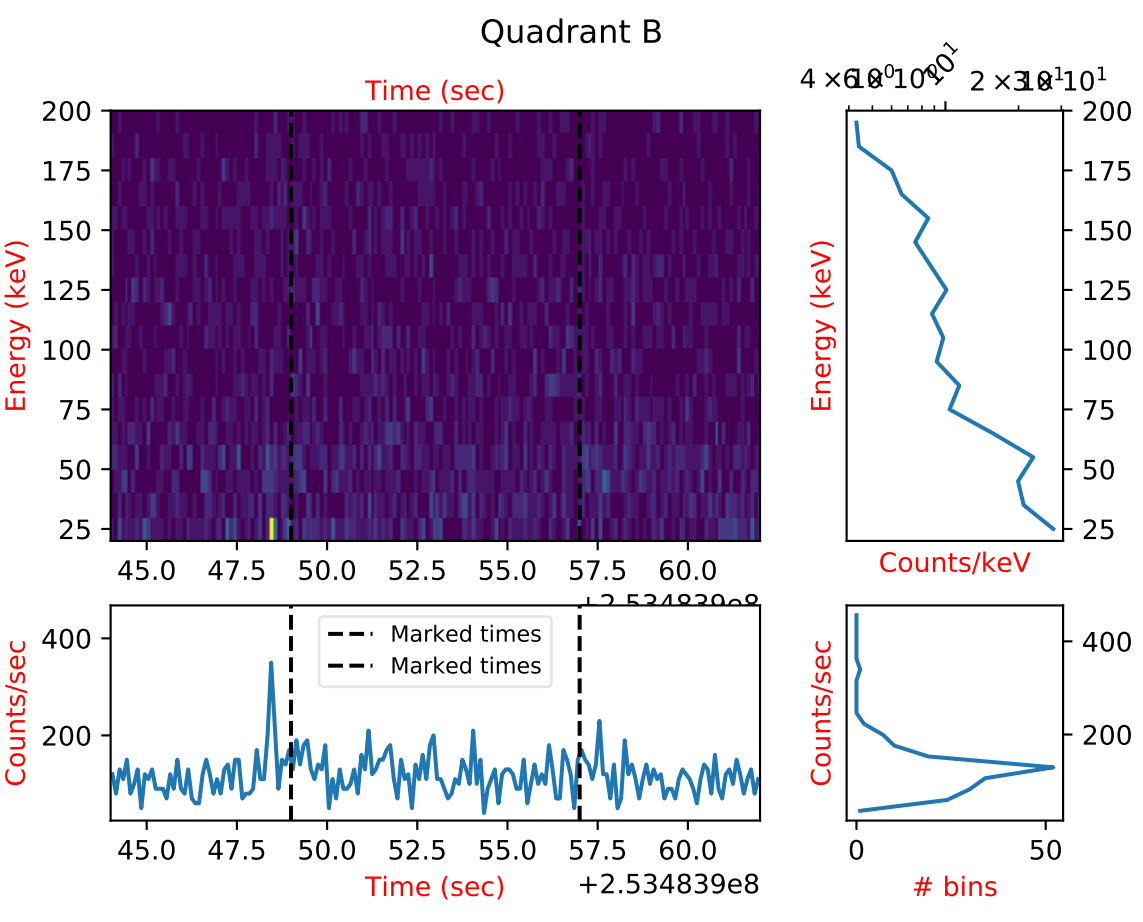
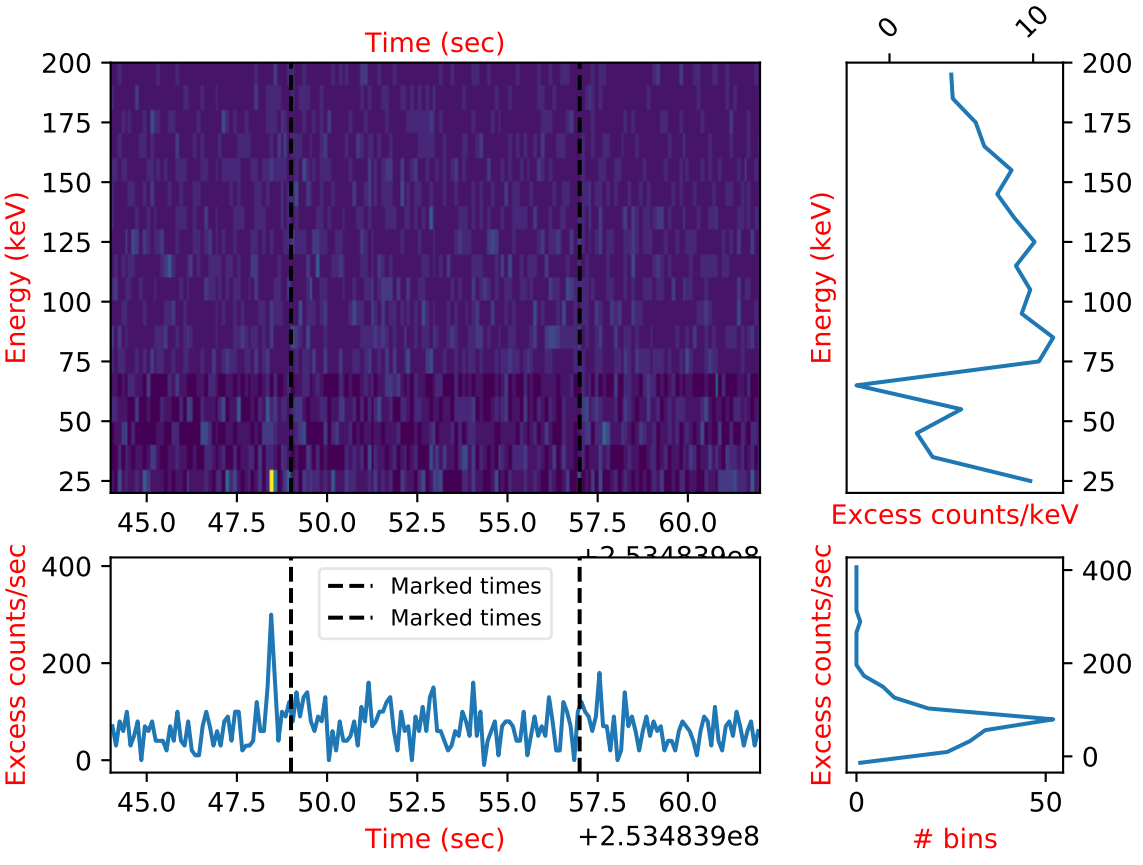

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
4 ×10^0
2 ×10^1
Counts/keV
Marked times
Marked times
Counts/sec
300
200
100
+2.534839e8
0
25
bins

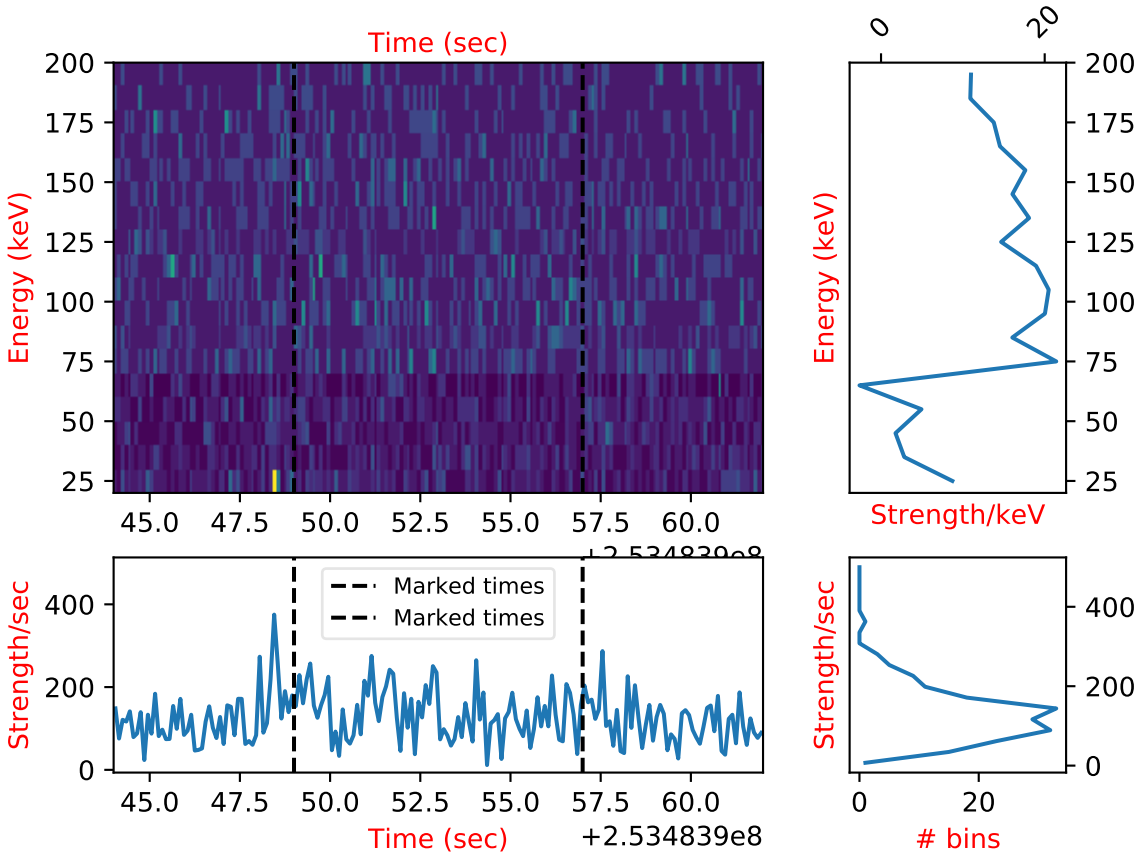

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+2.534839e8
bins

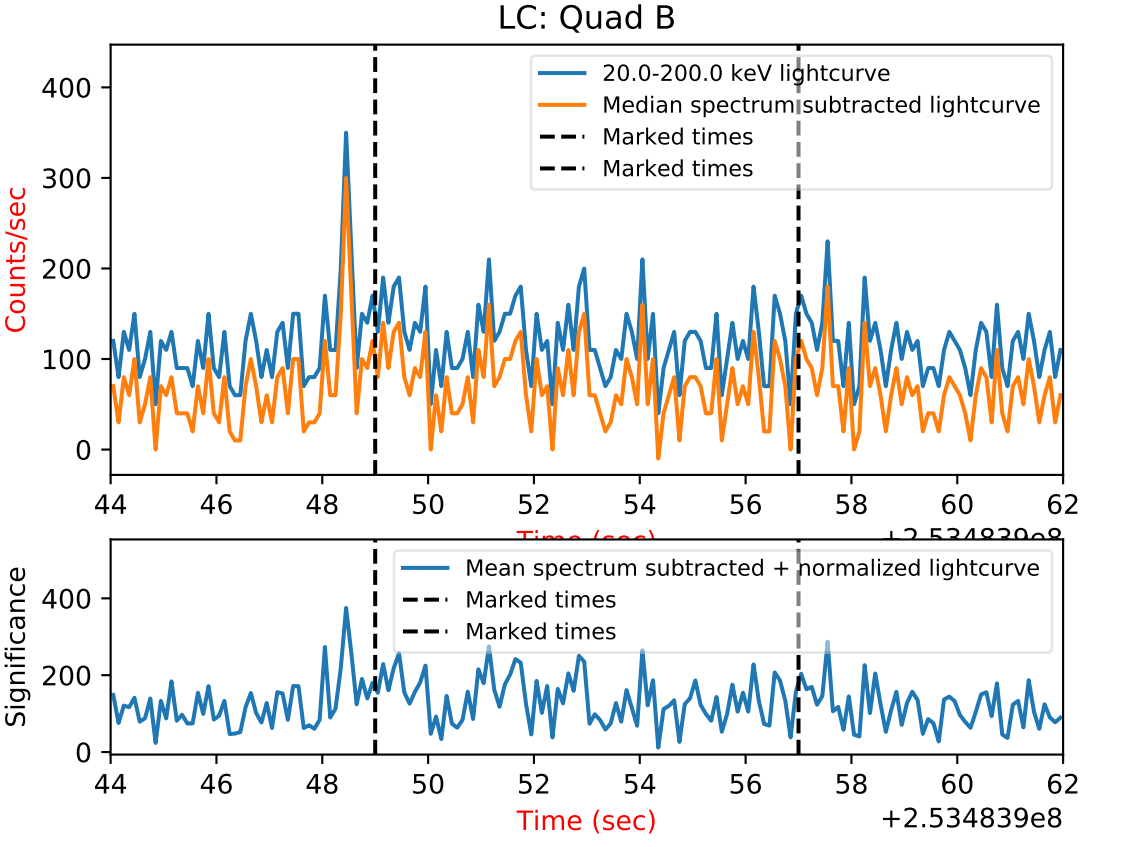

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
0
20
Strength/keV
Strength/sec
400
200
0
Marked times
Marked times
+2.534839e8
bins

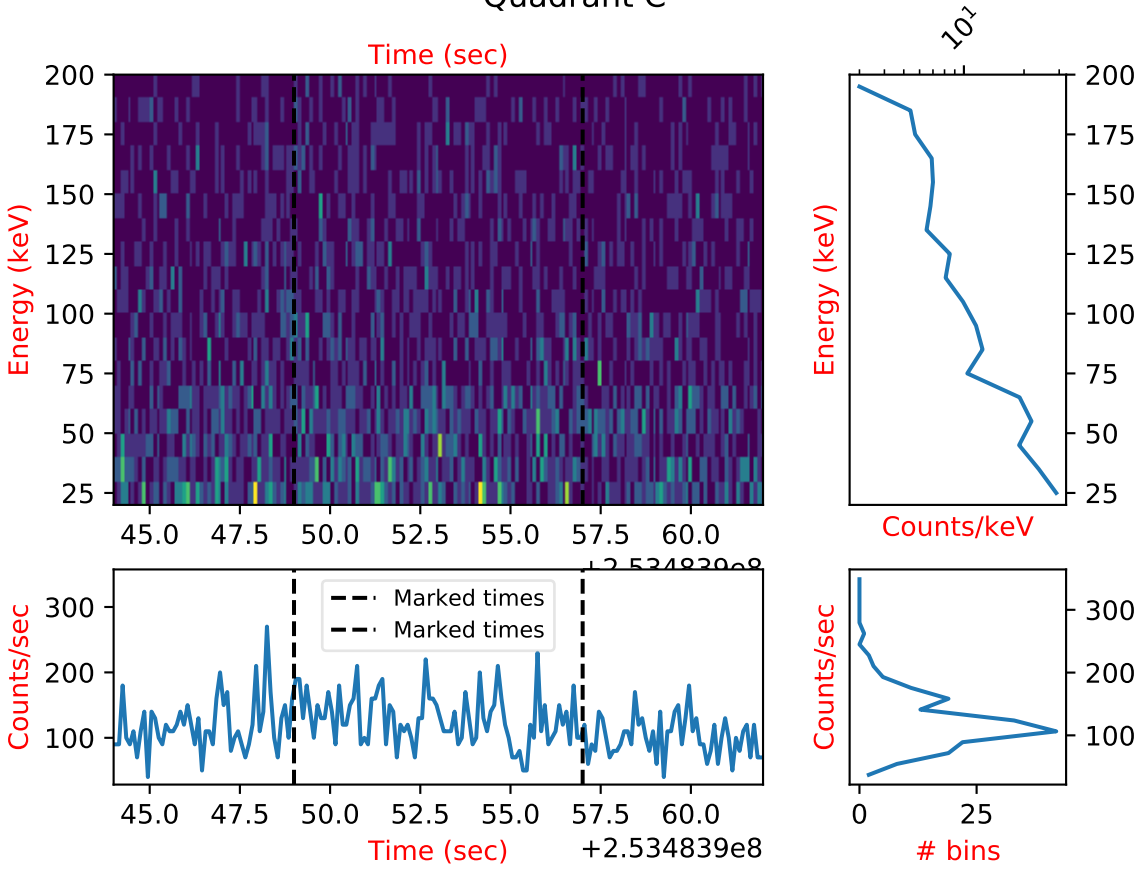

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
250
200
150
100
50
0
44
46
48
50
52
54
56
58
60
62
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
400
200
0
Time (sec)
+2.534839e8

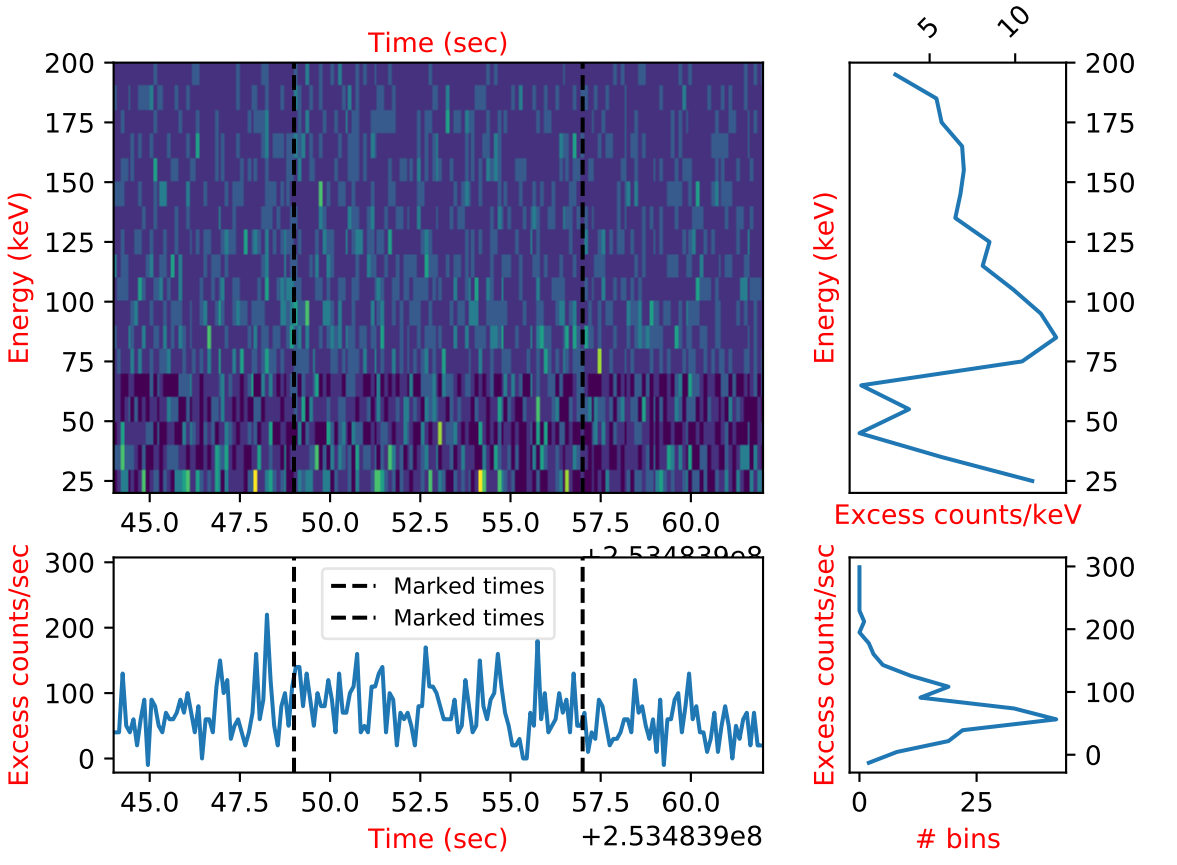

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
Counts/keV
Counts/sec
400
200
Marked times
Marked times
+2.534839e8
bins
0
50

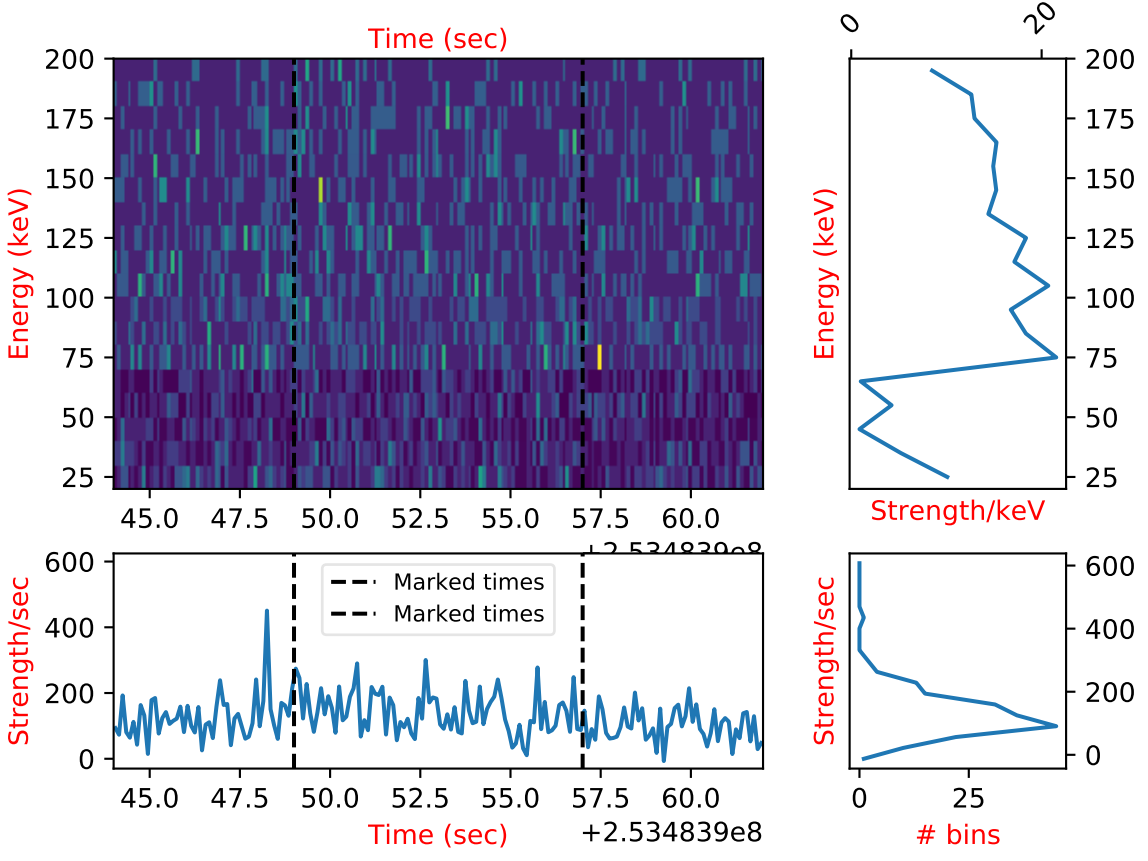

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
0
10
Excess counts/keV
Excess counts/sec
400
200
0
Marked times
Marked times
+2.534839e8
bins
50

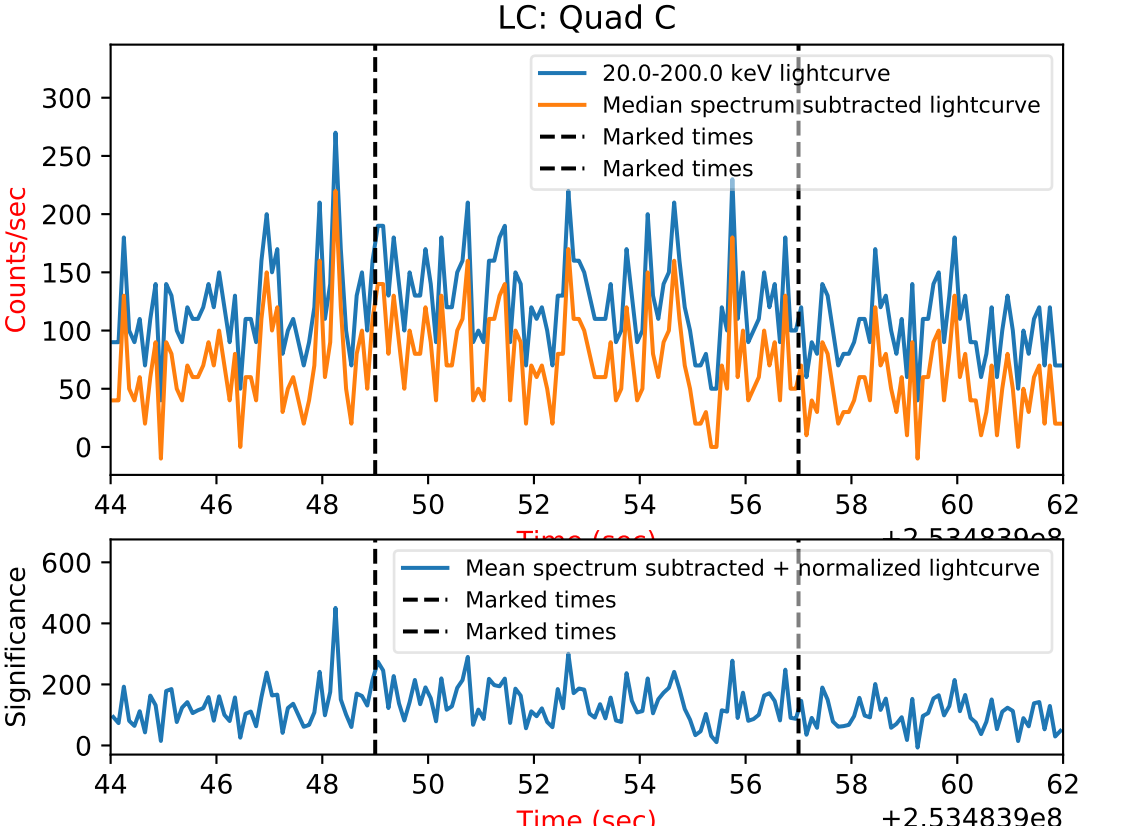

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
0
20
Strength/keV
Strength/sec
400
200
0
Marked times
Marked times
+2.534839e8
bins

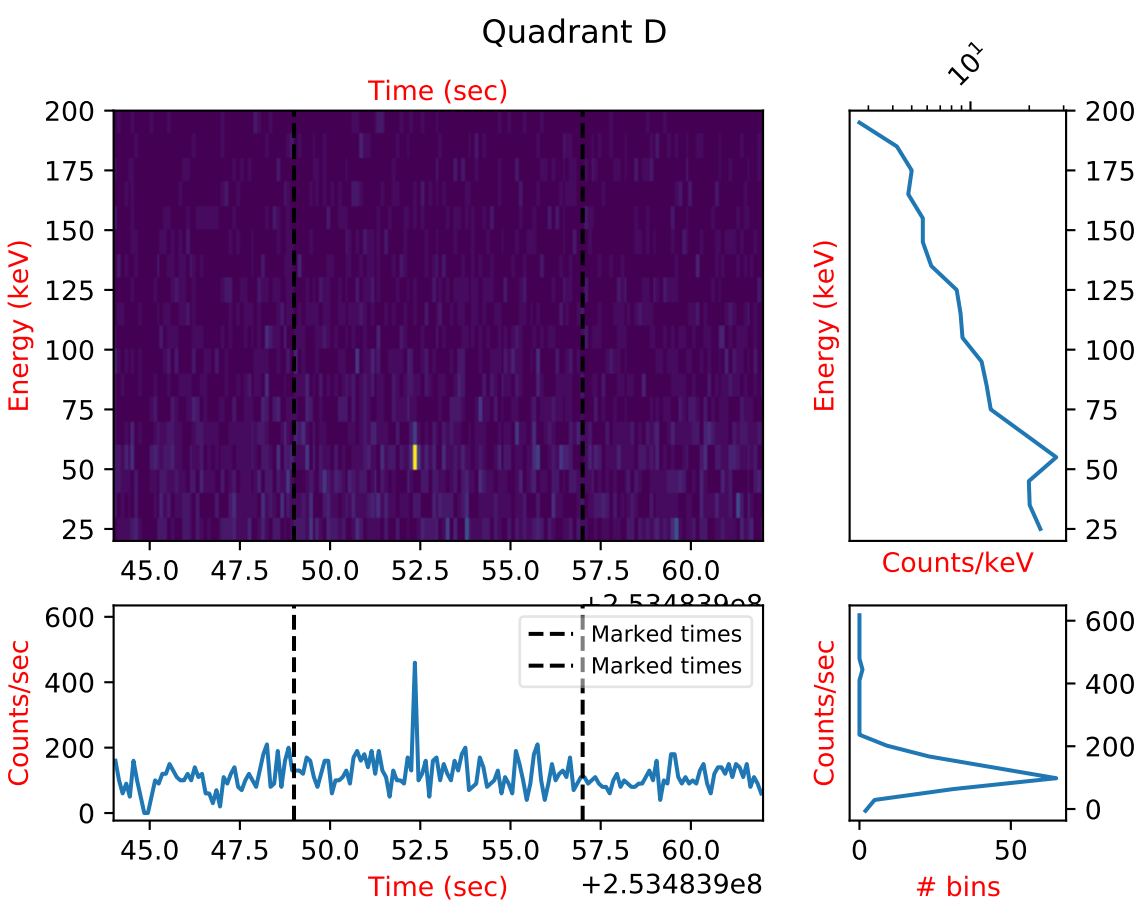

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
400
300
200
100
0
44
46
48
50
52
54
56
58
60
62
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
400
200
0
Time (sec)
+2.534839e8

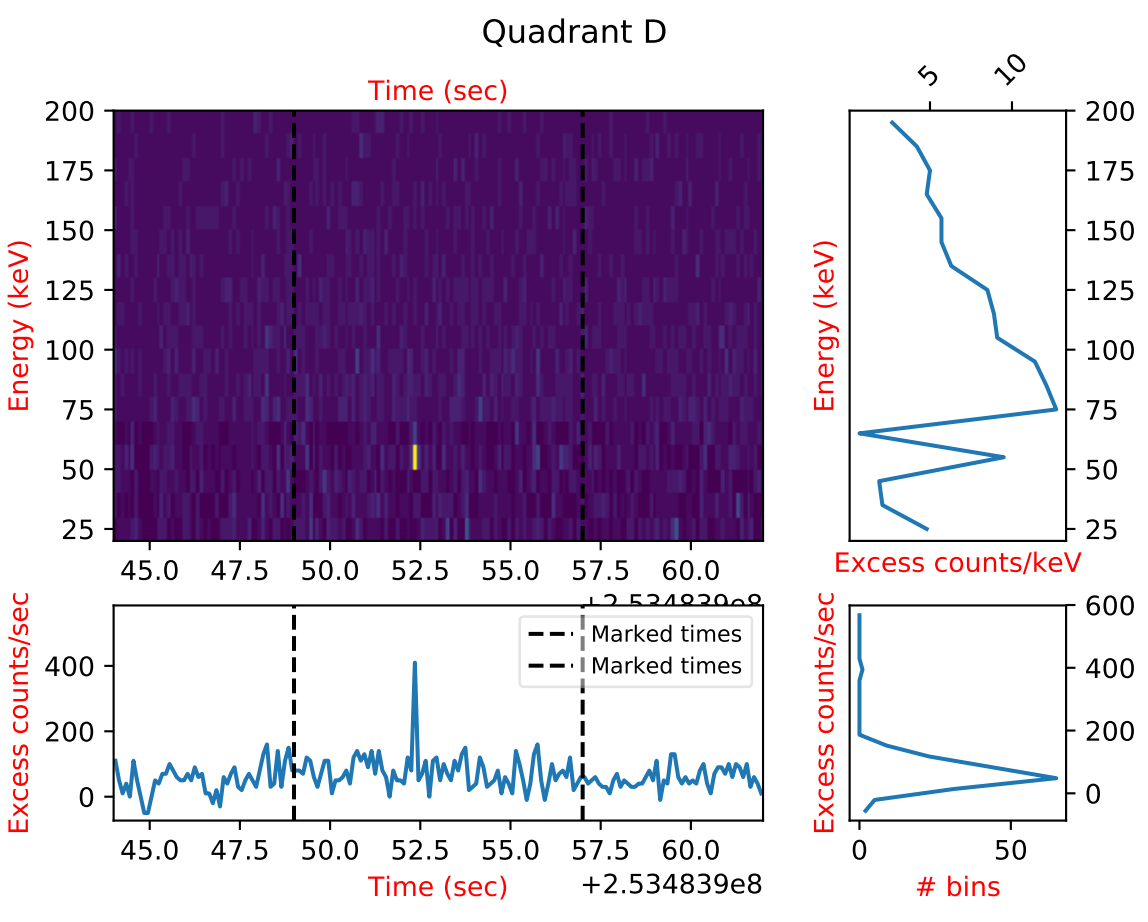

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
10^1
Counts/keV
Marked times
Marked times
Counts/sec
300
200
100
+2.534839e8
0
25
bins

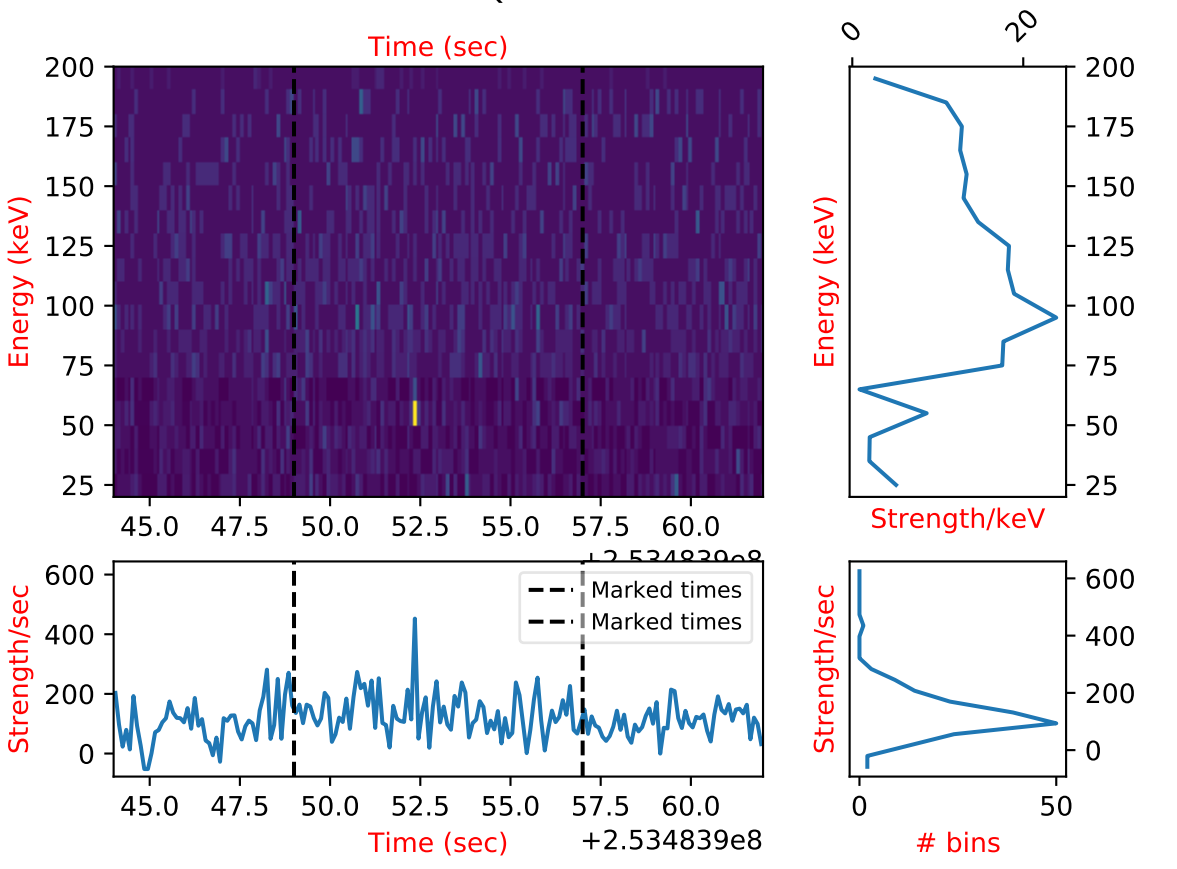

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
5
10
Excess counts/keV
Excess counts/sec
300
200
100
0
Marked times
Marked times
+2.534839e8
bins
0
25

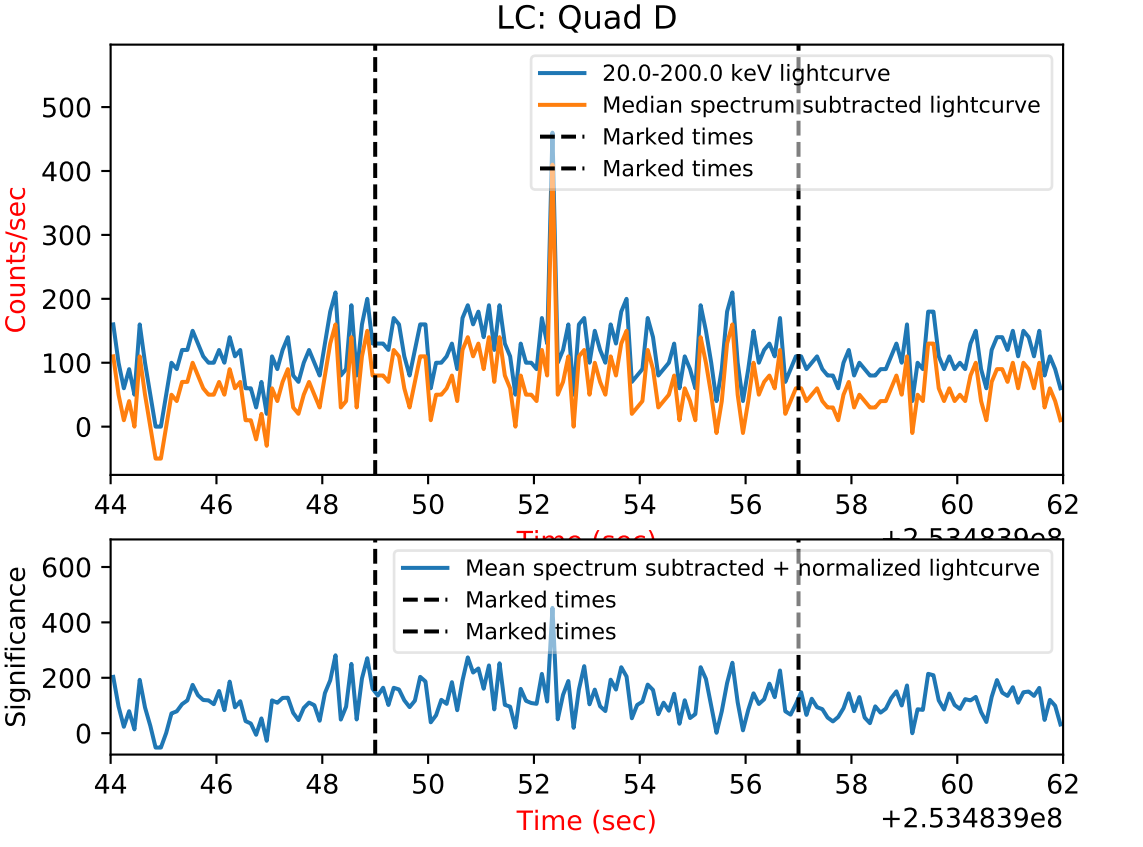

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
0
20
Strength/keV
Strength/sec
600
400
200
0
Marked times
Marked times
+2.534839e8
bins
25

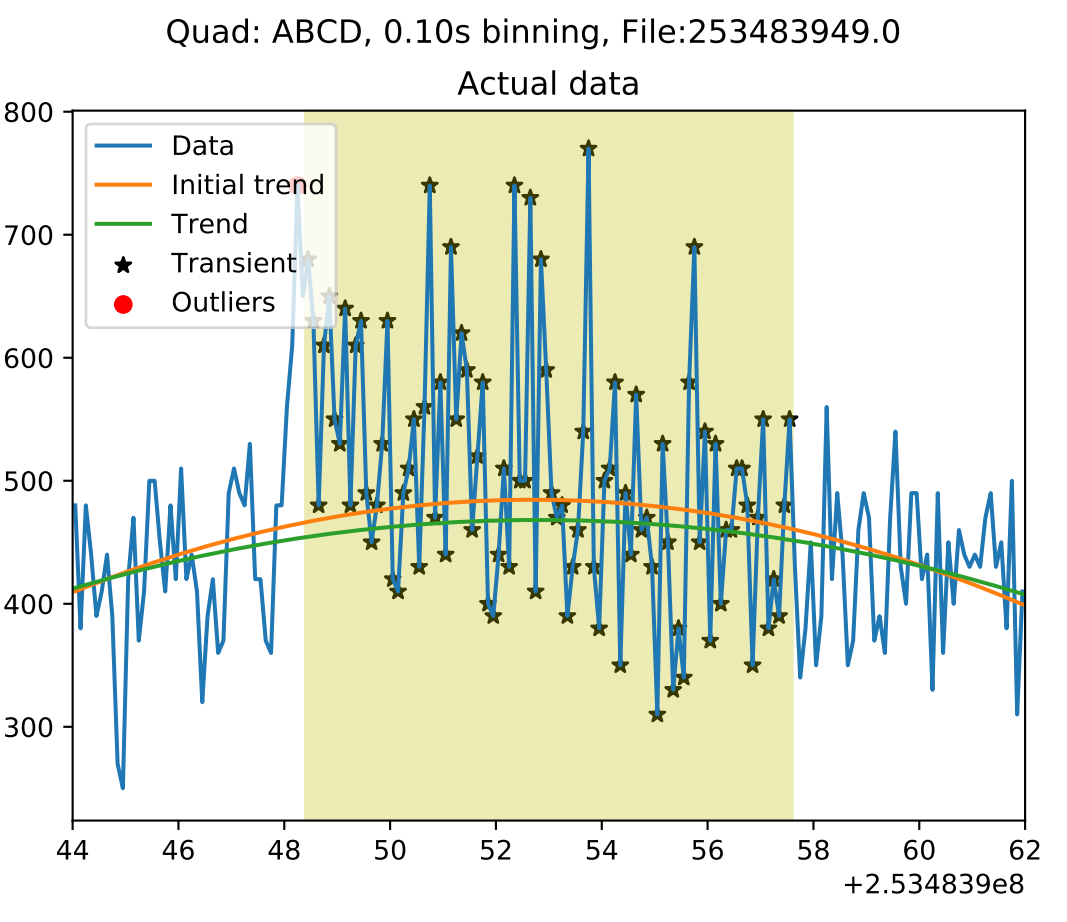

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
250
200
150
100
50
0
44
46
48
50
52
54
56
58
60
62
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
600
400
200
0
Time (sec)
+2.534839e8

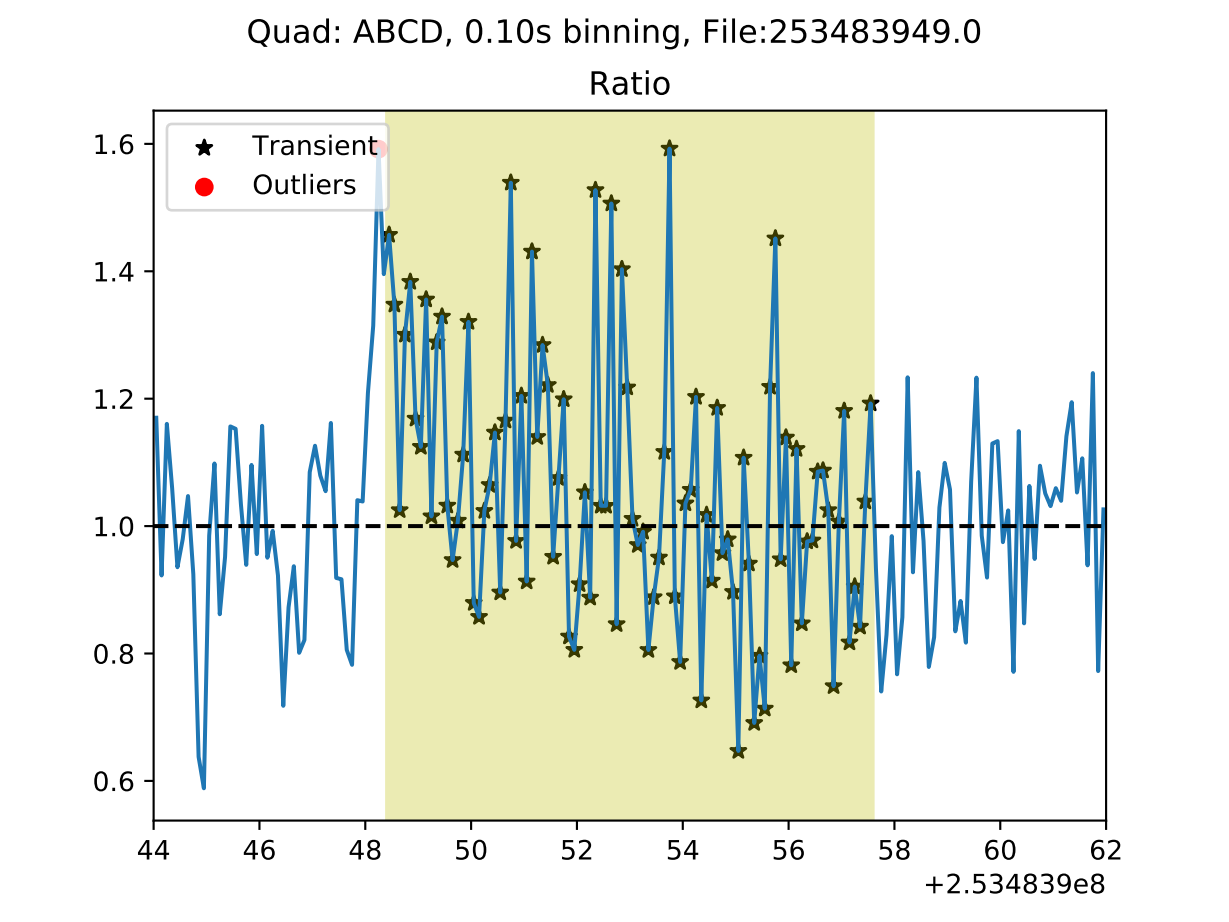

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
10^1
Counts/keV
Counts/sec
600
400
200
0
Marked times
Marked times
+2.534839e8
bins
50

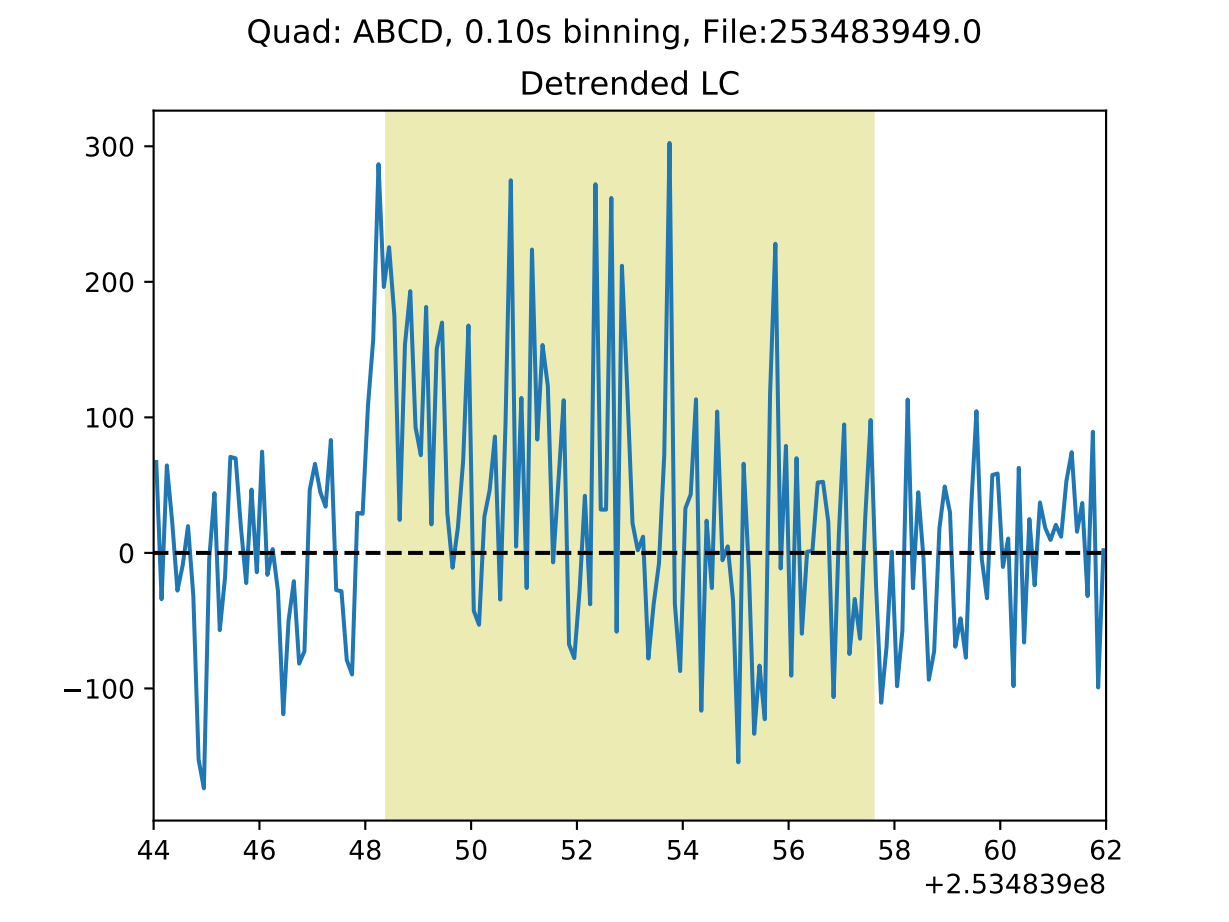

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
5
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
400
200
0
600
+2.534839e8
bins


Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
45.0
47.5
50.0
52.5
55.0
57.5
60.0
0
20
Strength/keV
Strength/sec
600
400
200
0
Marked times
Marked times
+2.534839e8
bins
50

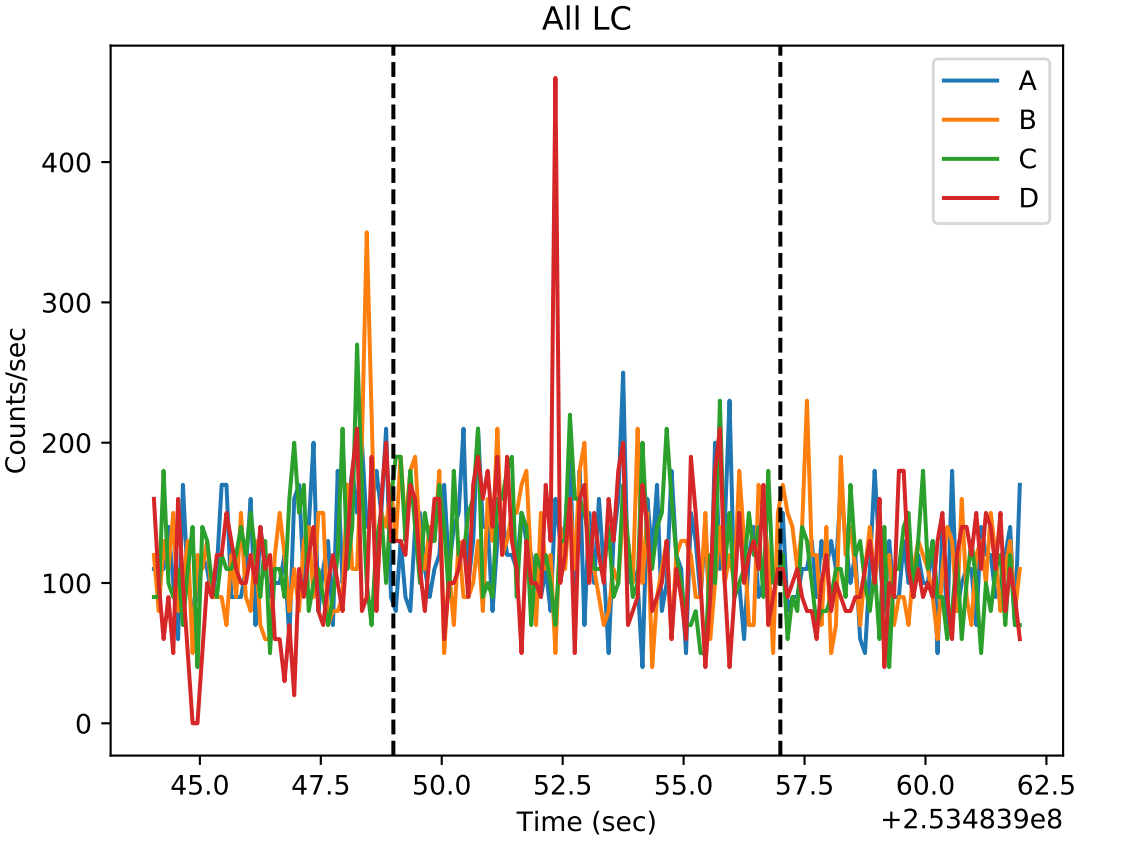

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
500
400
300
200
100
0
44
46
48
50
52
54
56
58
60
62
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
600
400
200
0
Time (sec)
+2.534839e8


Quad: ABCD, 0.10s binning, File:253483949.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
800
700
600
500
400
300
44
46
48
50
52
54
56
58
60
62
+2.534839e8


Quad: ABCD, 0.10s binning, File:253483949.0
Ratio
Transient
Outliers
1.6
1.4
1.2
1.0
0.8
0.6
44
46
48
50
52
54
56
58
60
62
+2.534839e8


Quad: ABCD, 0.10s binning, File:253483949.0
Detrended LC
300
200
100
0
−100
44
46
48
50
52
54
56
58
60
62
+2.534839e8

Quad: ABCD, 0.10s binning, File:253483949.0
T90 measurement
1.0
0.8
0.6
0.4
0.2
0.0
44
46
48
50
52
54
56
58
60
62
+2.534839e8
Without outlier rejection
With outlier rejection
T90 = 4.53


All LC
A
B
C
D
Counts/sec
0
100
200
300
400
45.0
47.5
50.0
52.5
55.0
57.5
60.0
62.5
Time (sec)
+2.534839e8