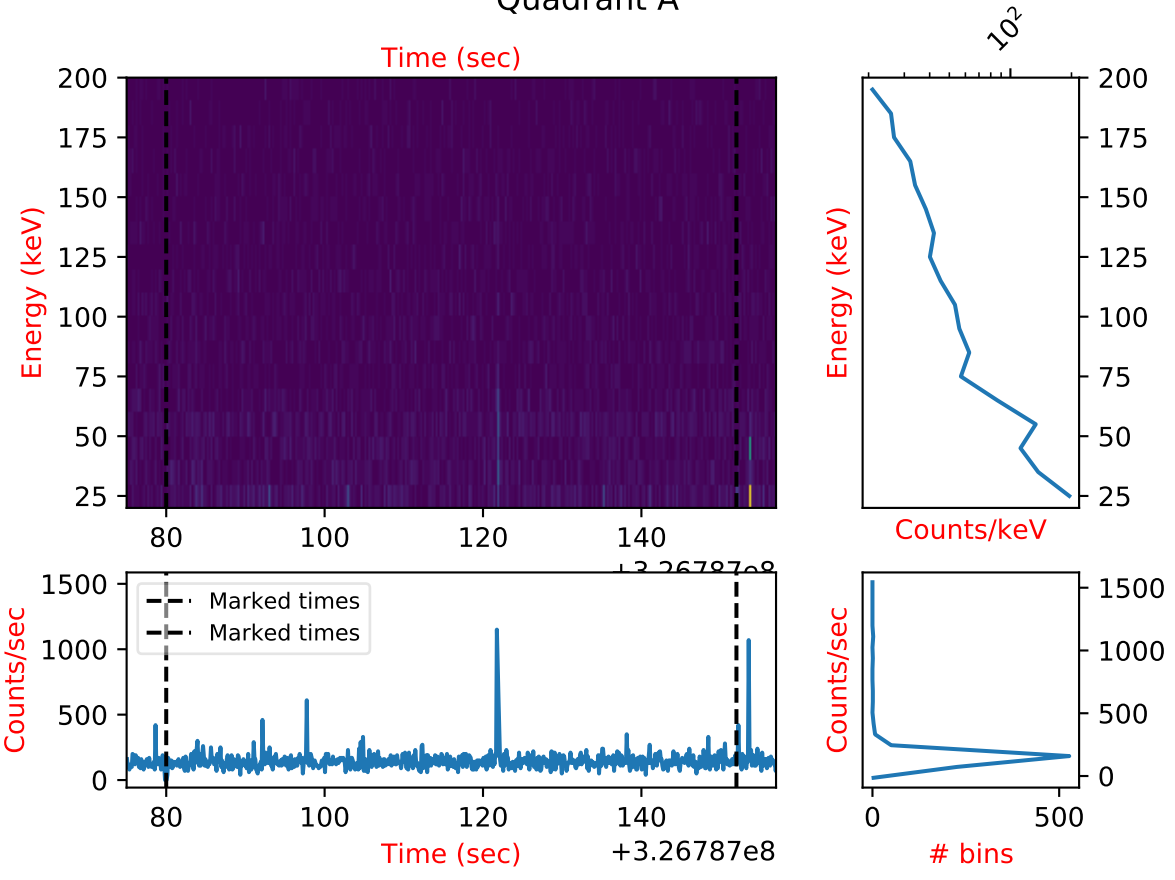
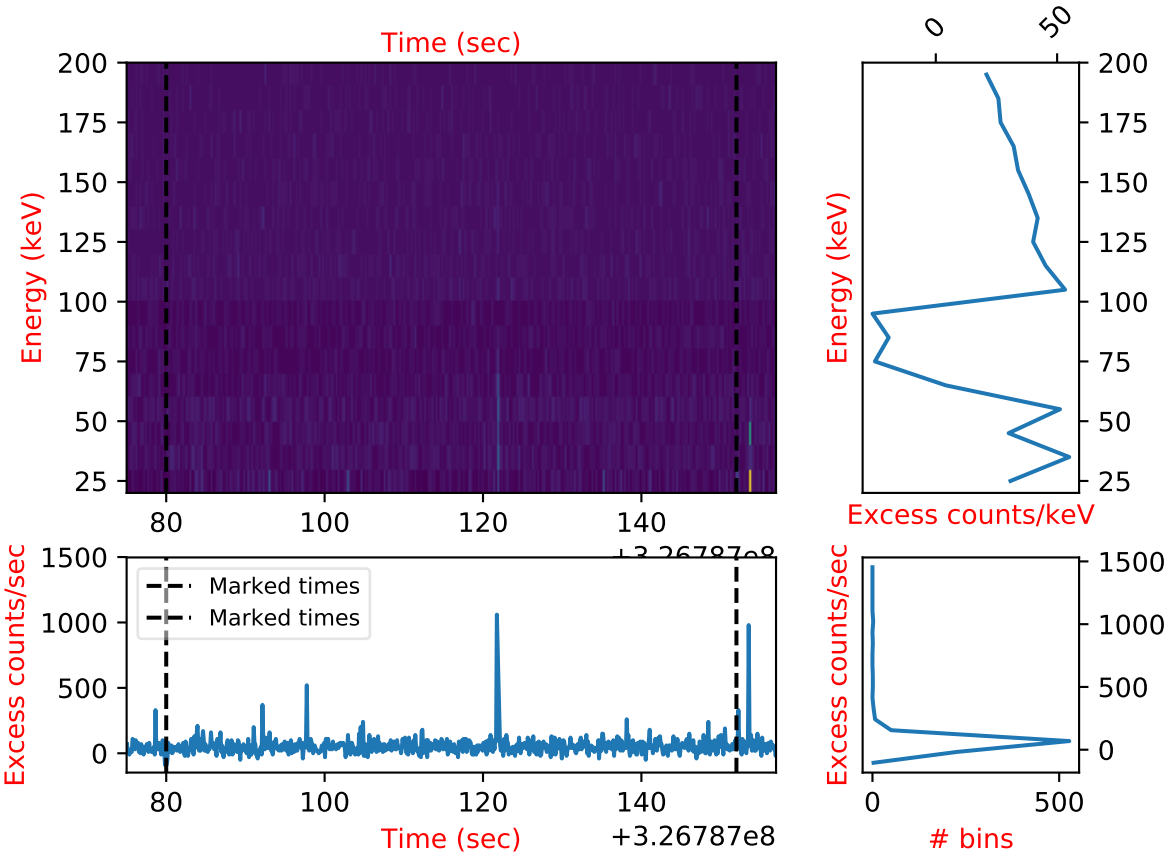
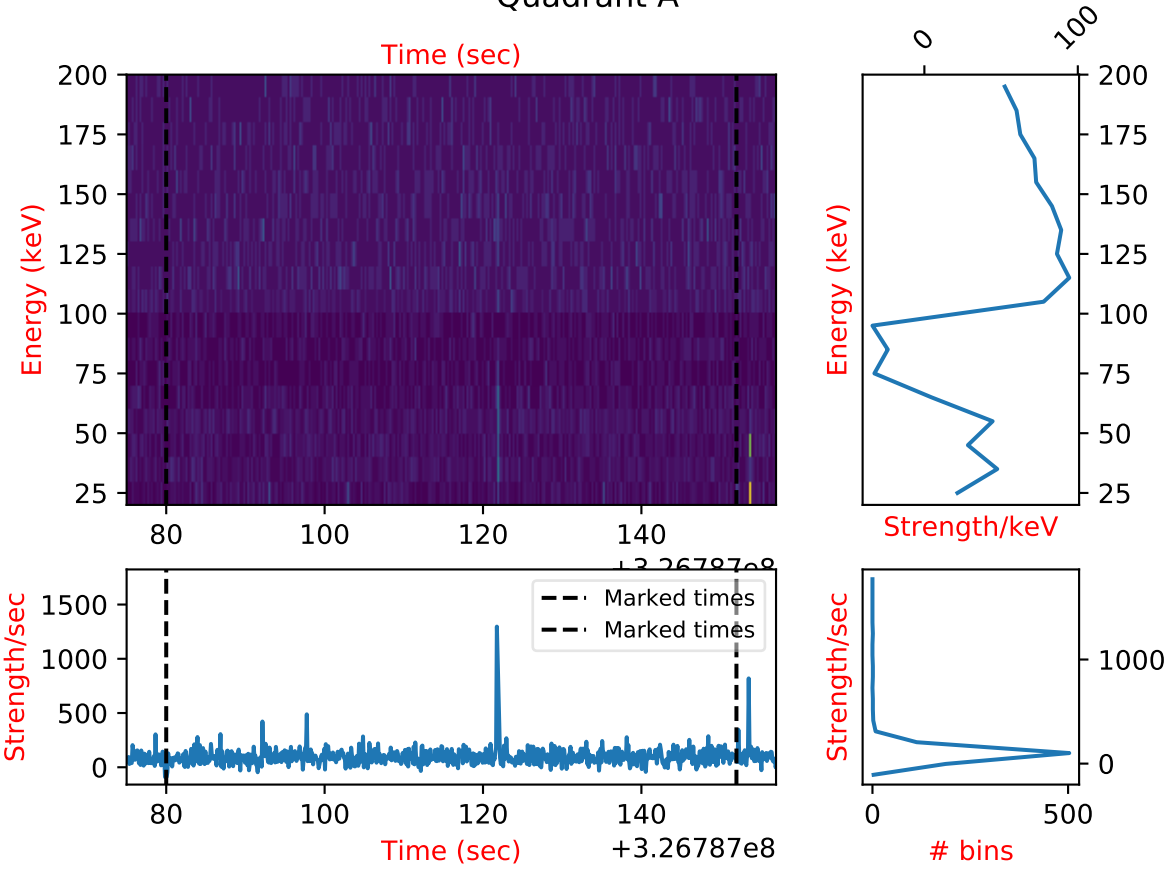
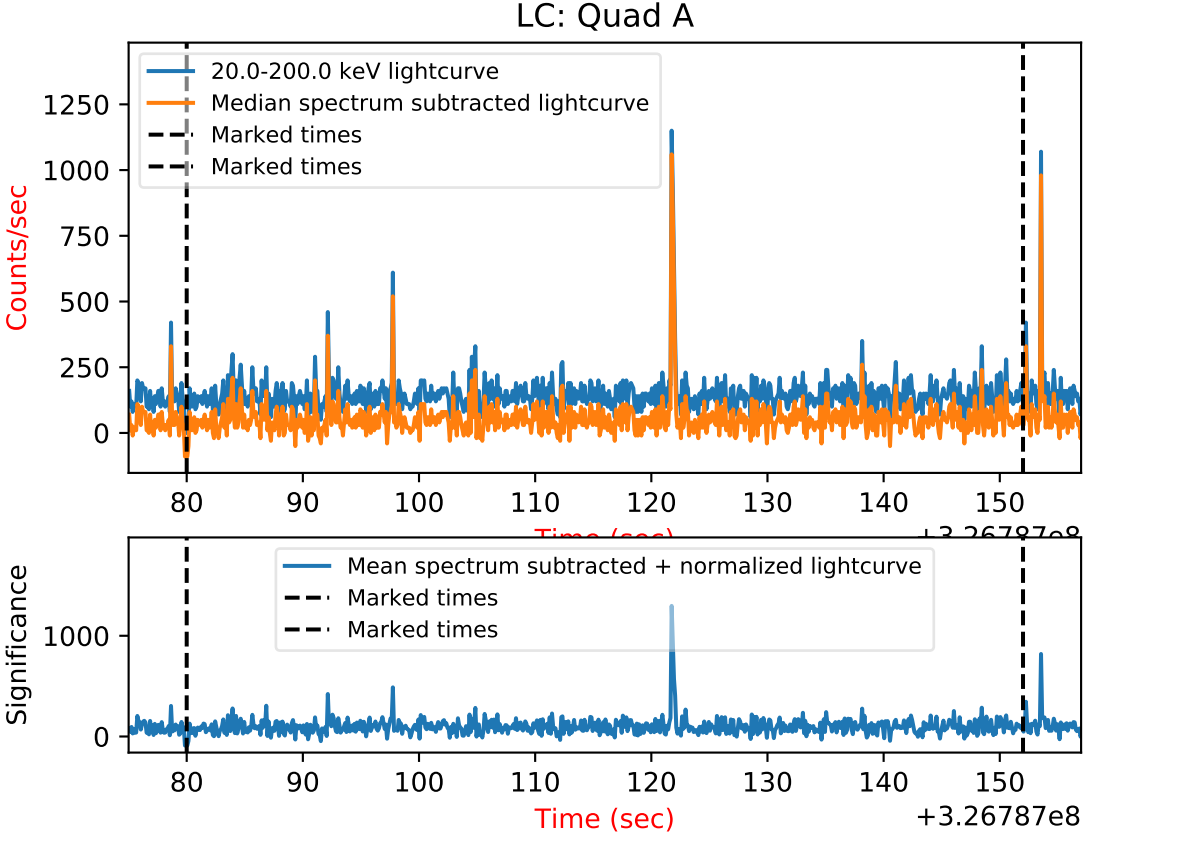
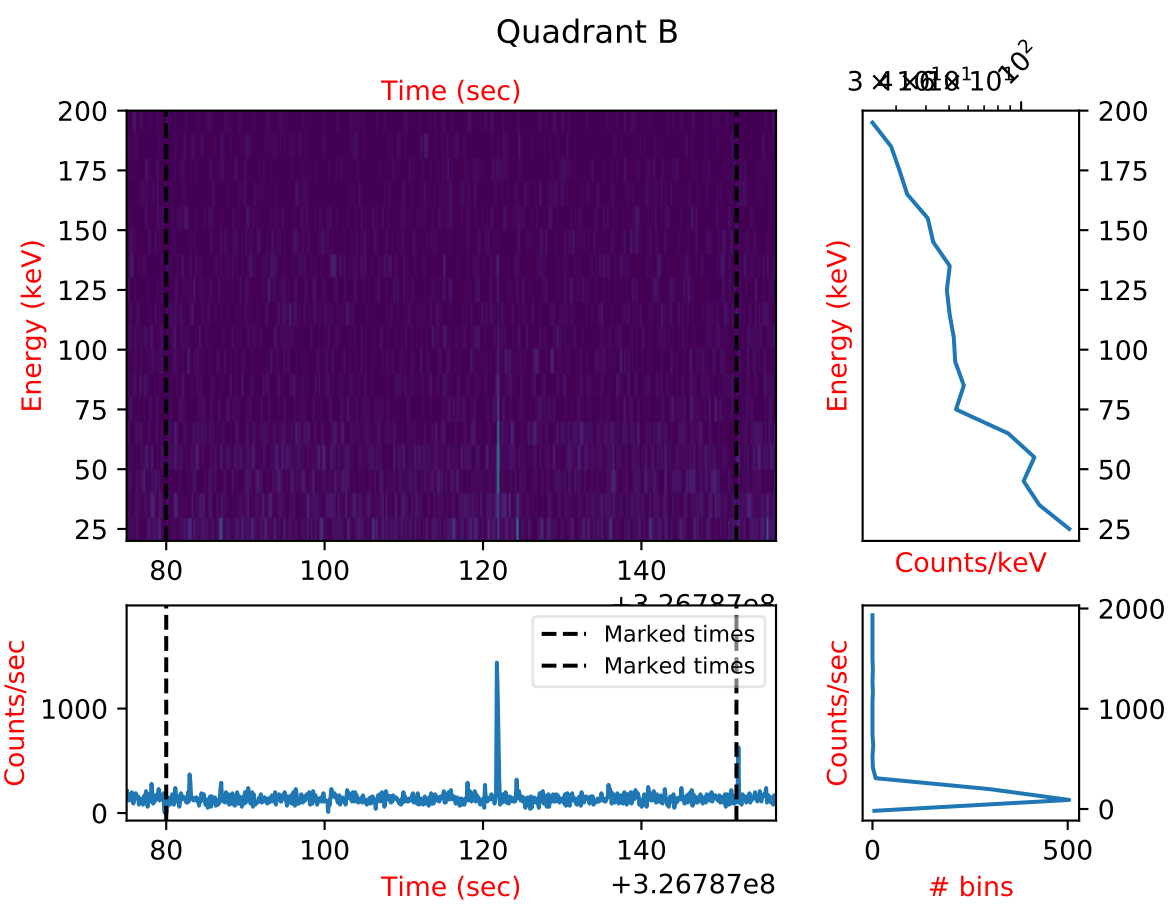
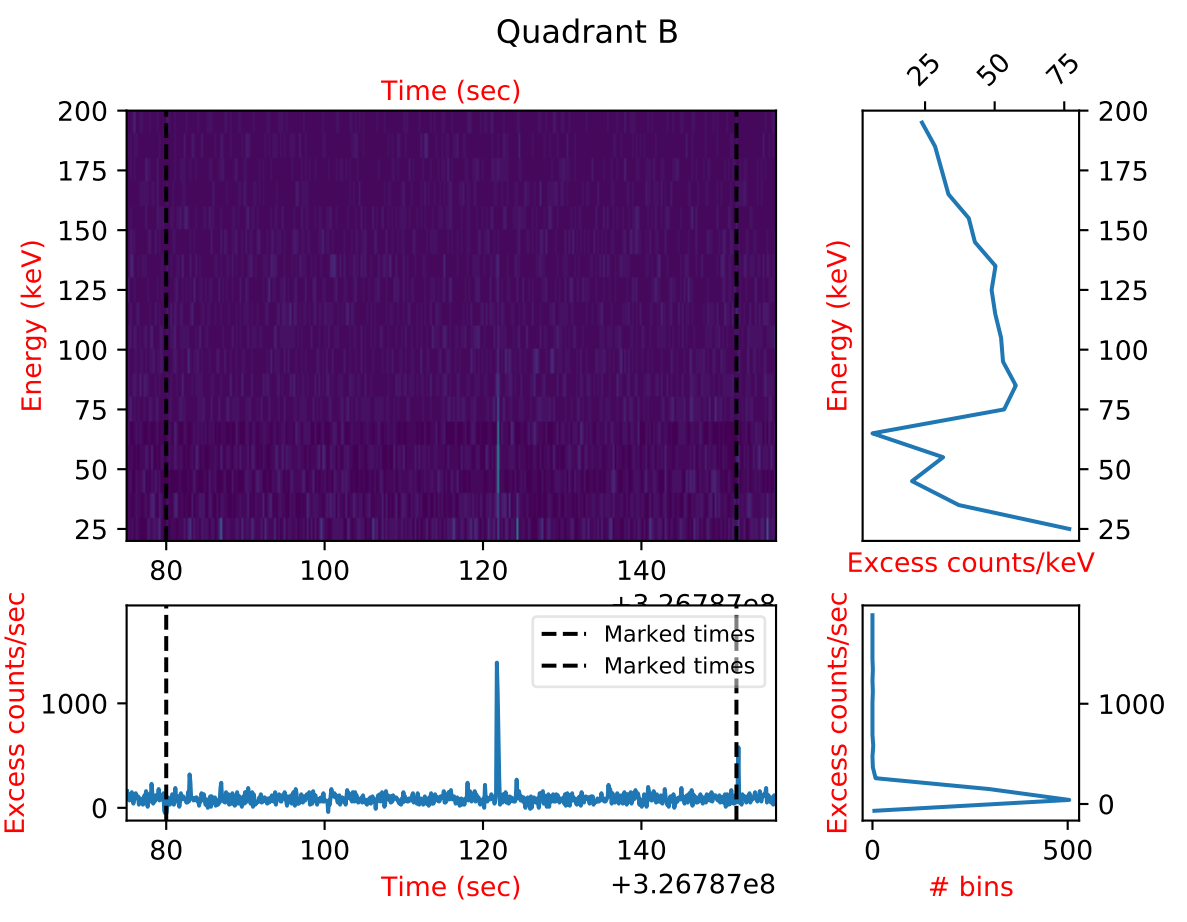

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
10^2
Counts/keV
Marked times
Marked times
Counts/sec
1500
1000
500
0
+3.26787e8
bins

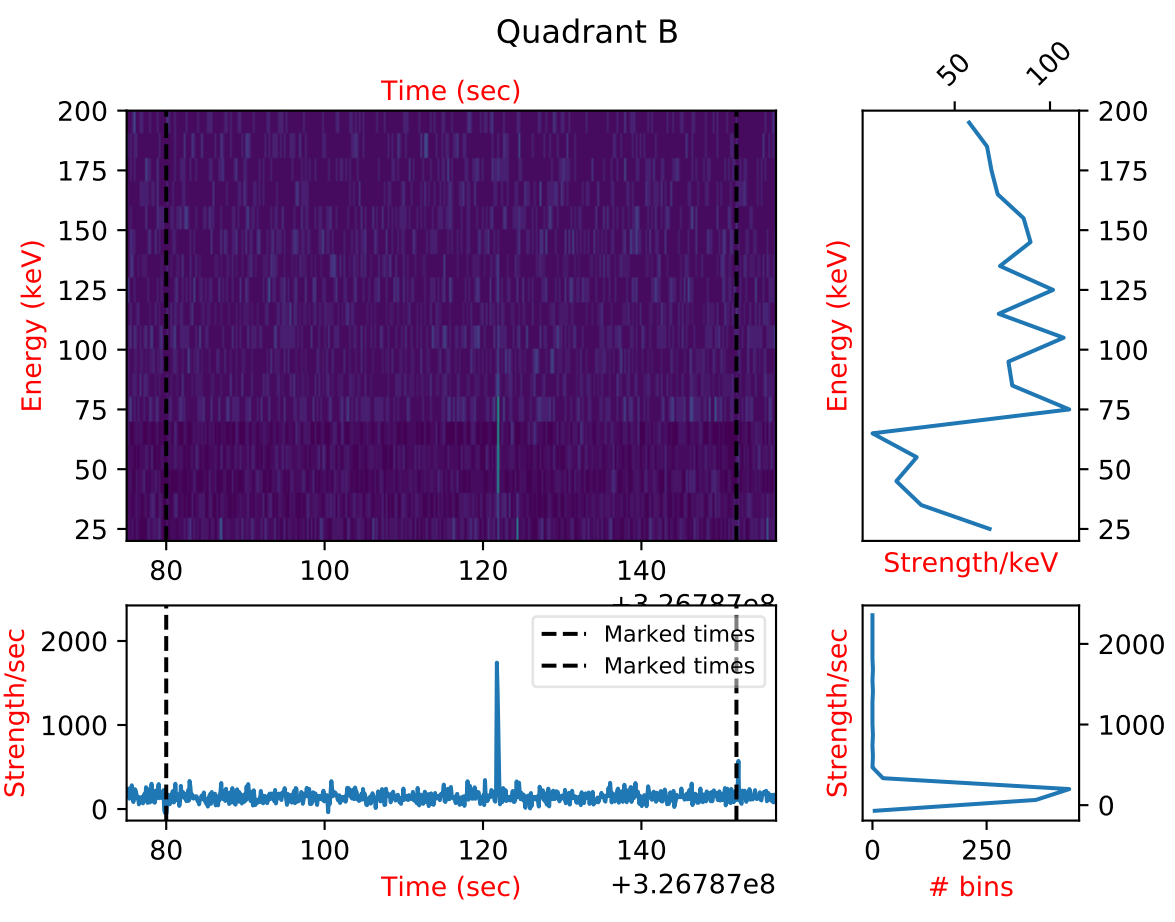

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
0
50
Excess counts/keV
Excess counts/sec
1500
1000
500
0
Marked times
Marked times
+3.26787e8
bins

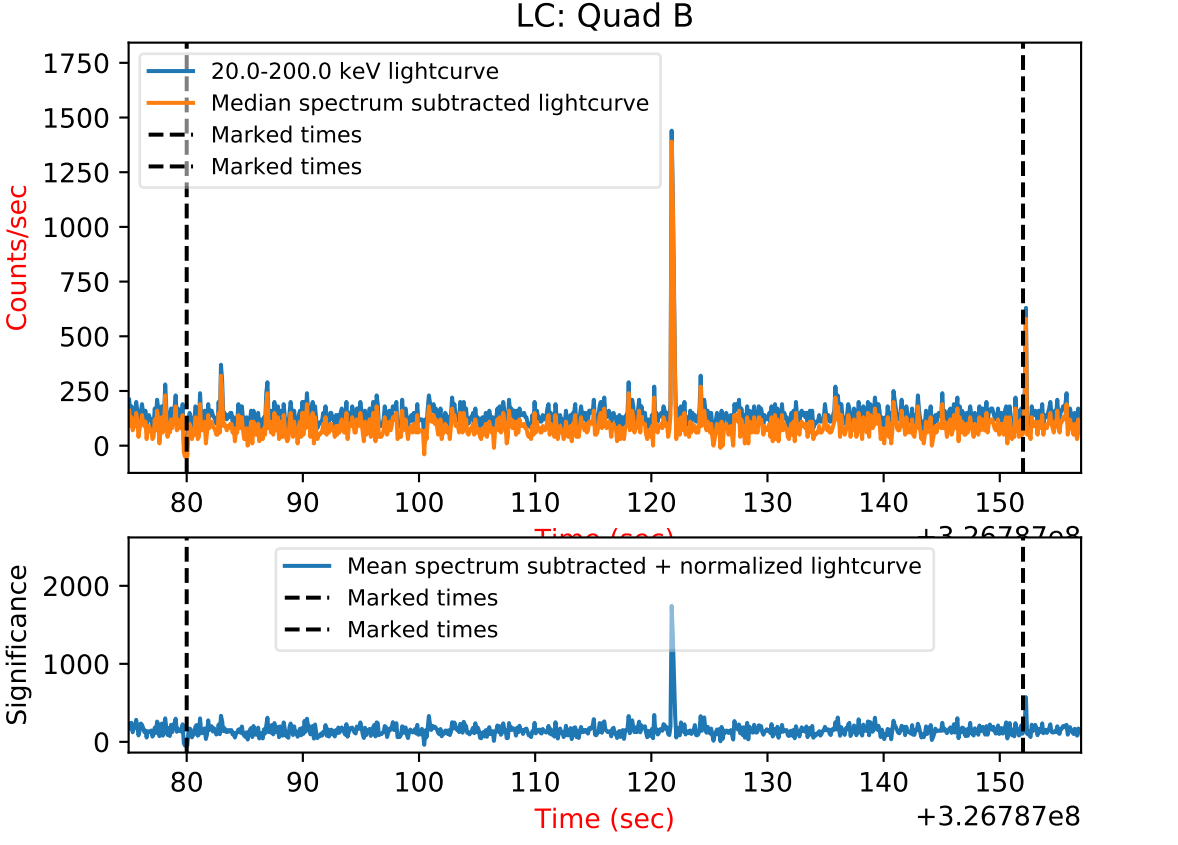

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
+3.26787e8
0
100
Strength/keV
Strength/sec
1500
1000
500
0
Marked times
Marked times
Time (sec)
+3.26787e8
bins
500

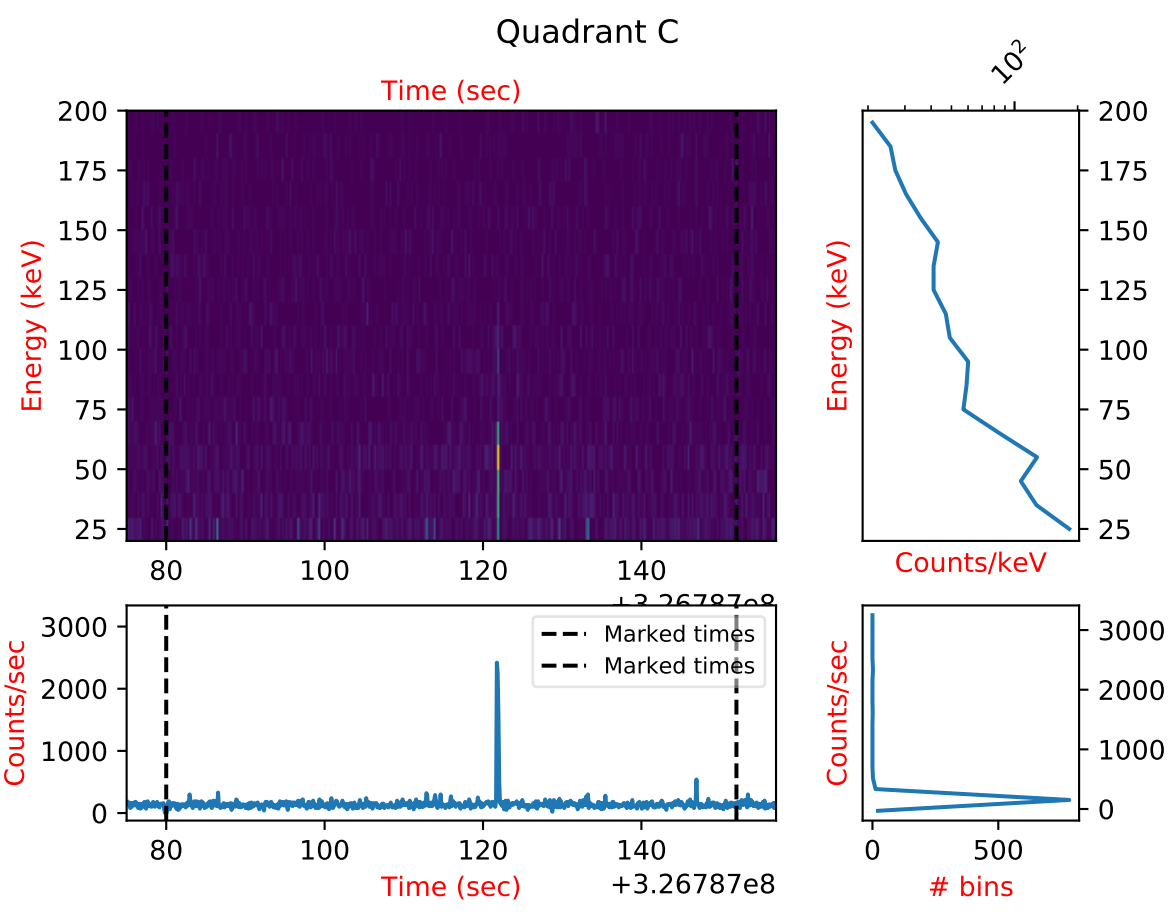

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1250
1000
750
500
250
0
80
90
100
110
120
130
140
150
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
1000
0
Time (sec)
+3.26787e8

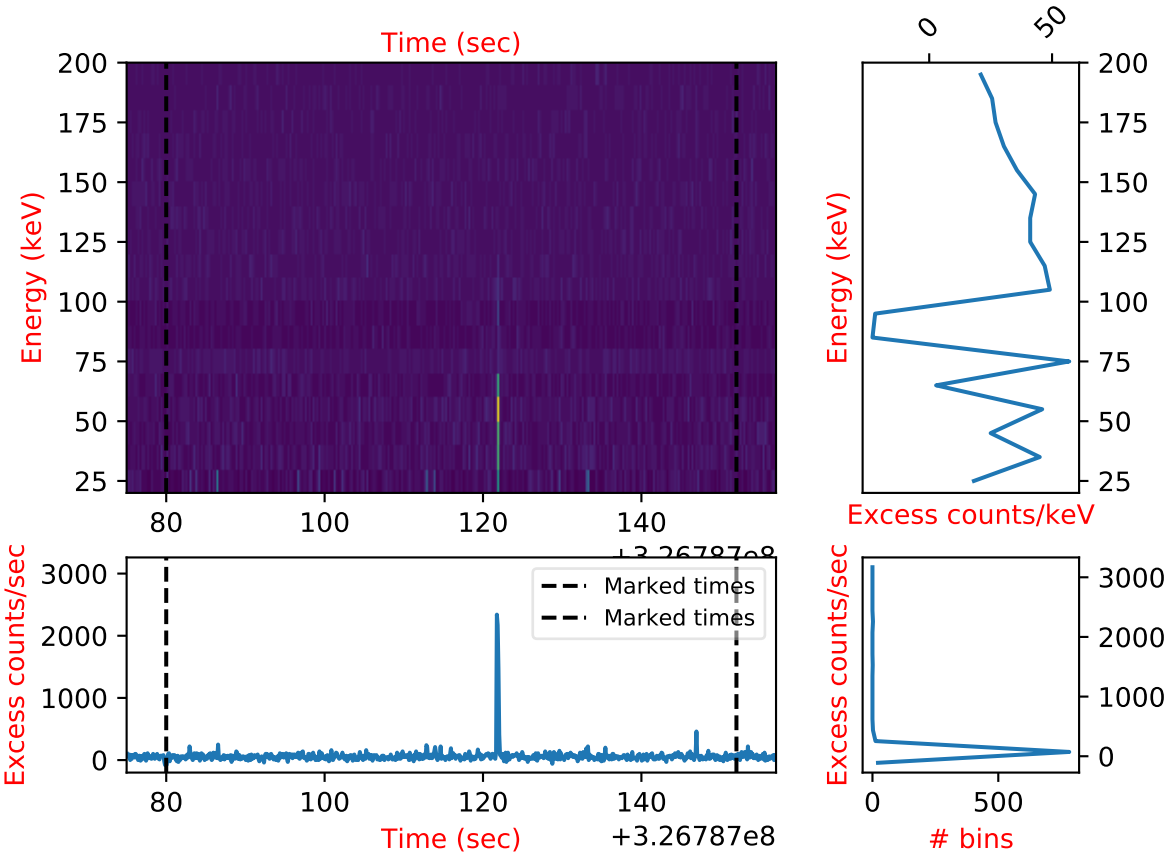

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
Counts/keV
Counts/sec
Marked times
Marked times
1000
0
2000
500
bins
+3.26787e8

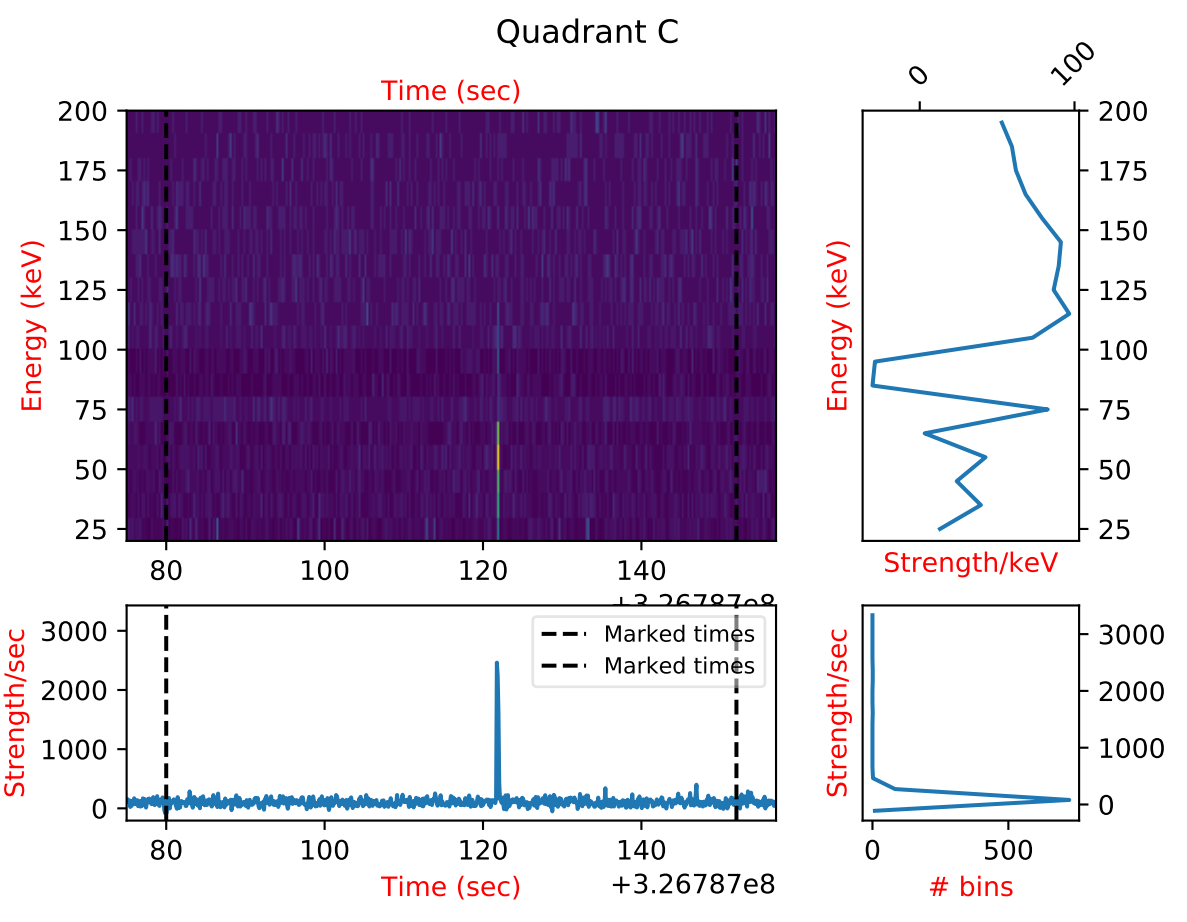

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
25
50
75
Excess counts/keV
Excess counts/sec
1000
0
Marked times
Marked times
+3.26787e8
500
bins

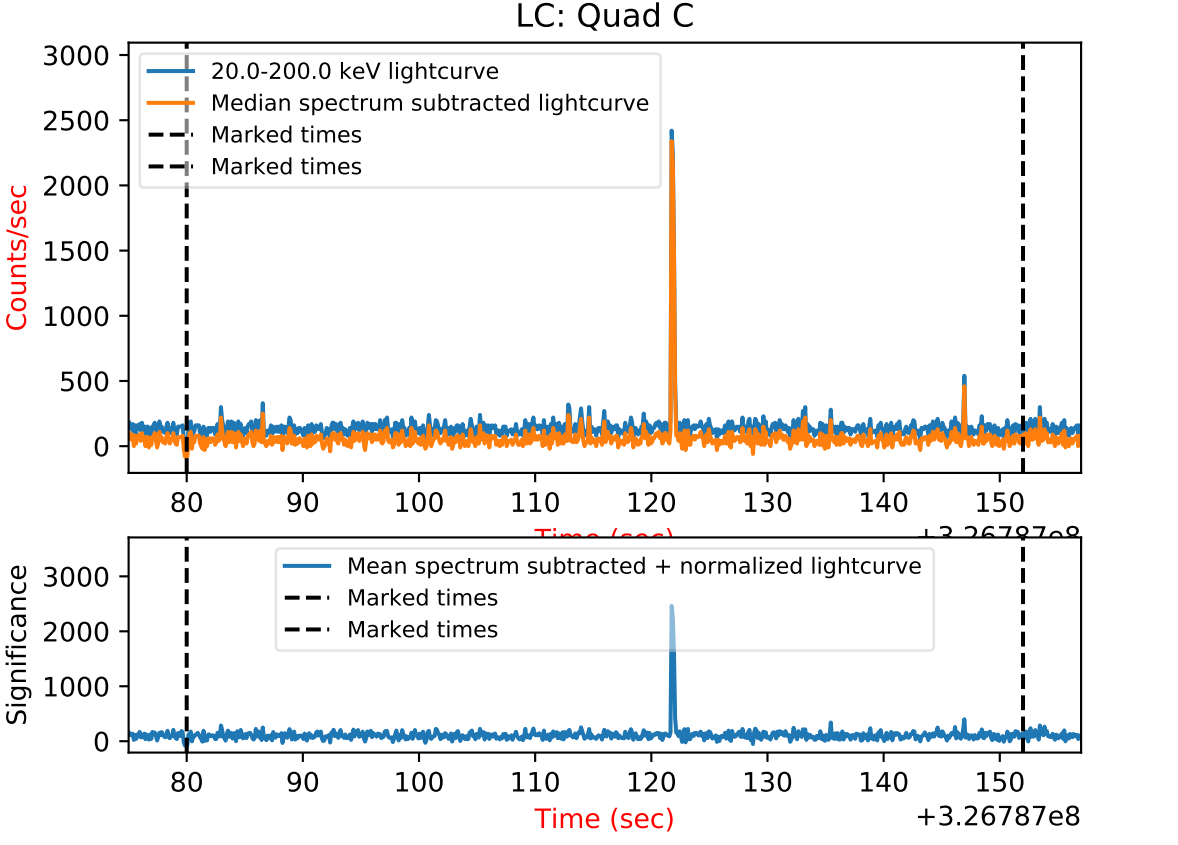

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
+3.26787e8
50
100
Strength/keV
Strength/sec
2000
1000
0
Marked times
Marked times
Time (sec)
+3.26787e8
250
bins

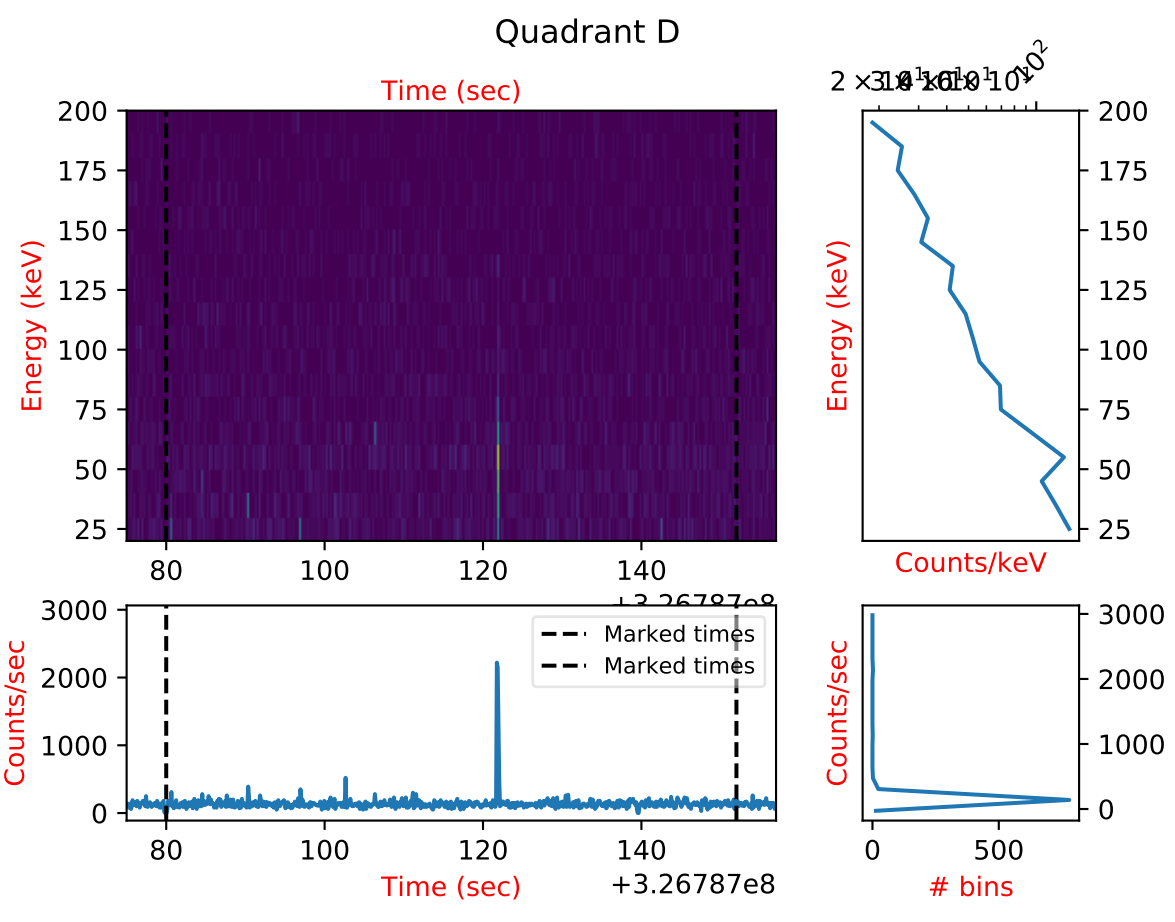

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1750
1500
1250
1000
750
500
250
0
80
90
100
110
120
130
140
150
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
2000
1000
0
Time (sec)
+3.26787e8

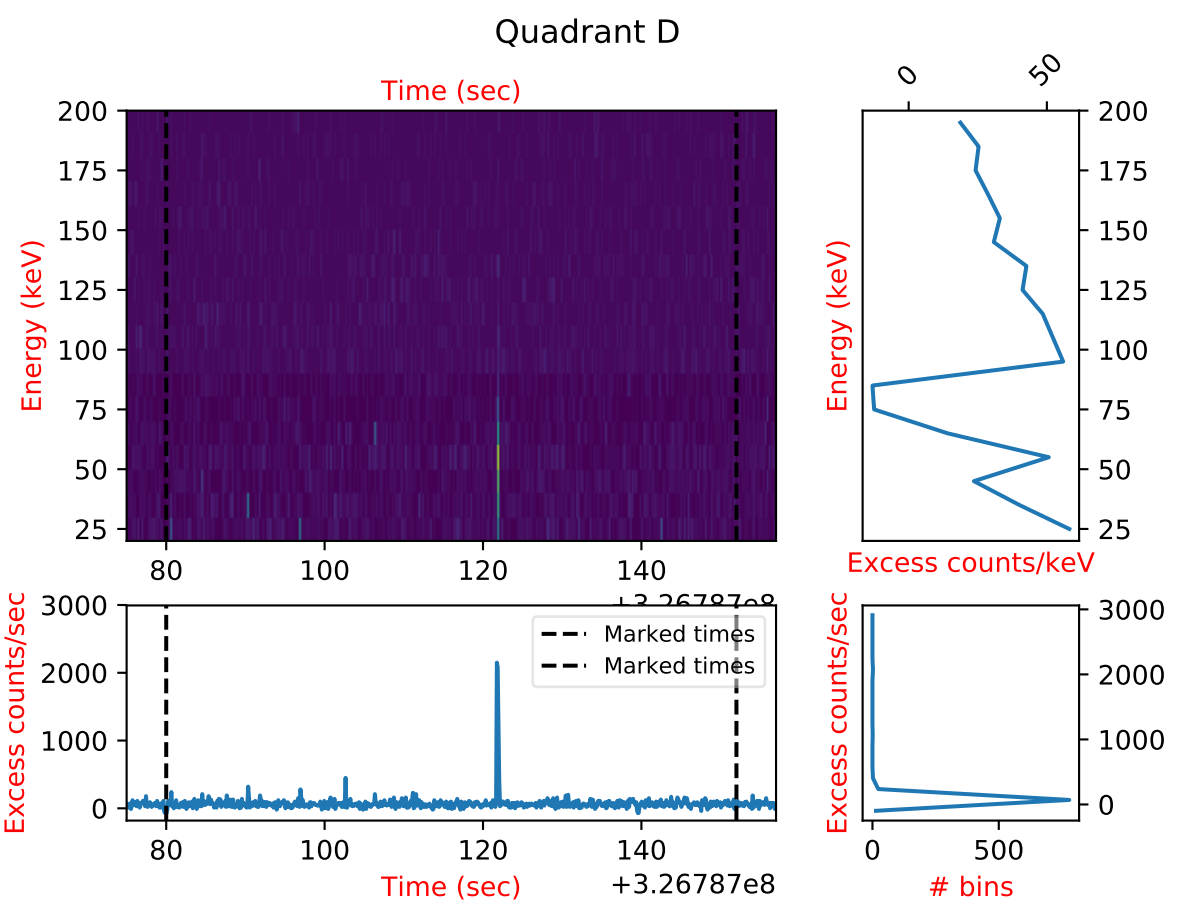

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
10^2
Counts/keV
Counts/sec
3000
2000
1000
0
Marked times
Marked times
+3.26787e8
bins
500

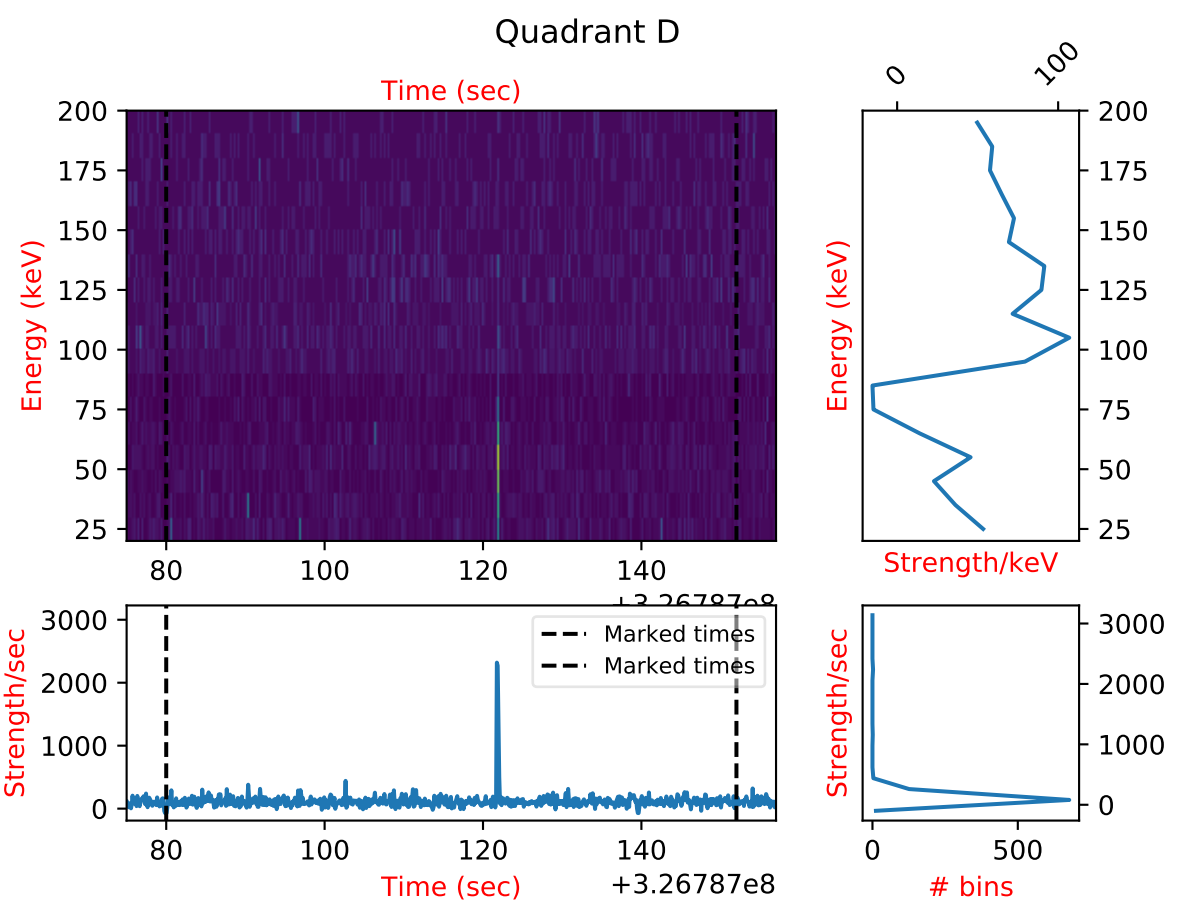

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
0
50
Excess counts/keV
Excess counts/sec
3000
2000
1000
0
Marked times
Marked times
+3.26787e8
500
bins

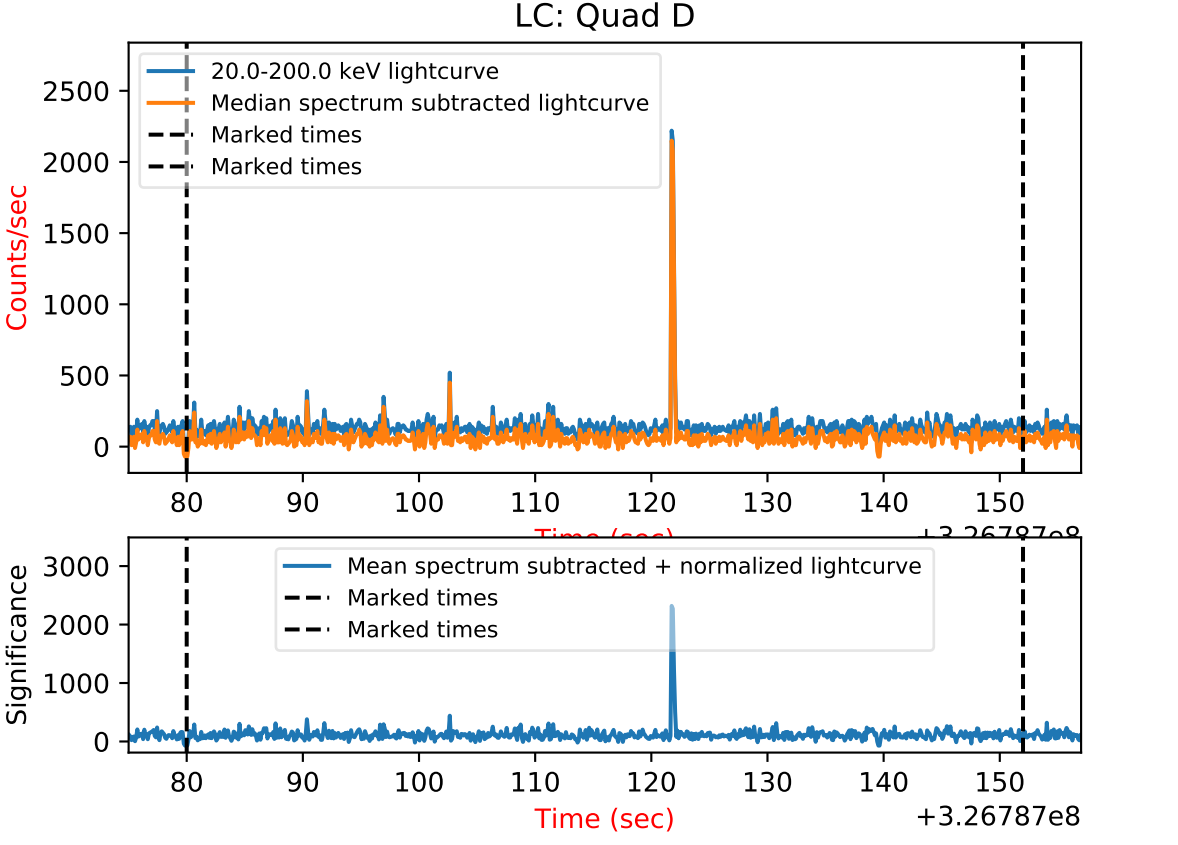

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
+3.26787e8
0
100
Strength/keV
Strength/sec
3000
2000
1000
0
Marked times
Marked times
Time (sec)
+3.26787e8
500
bins

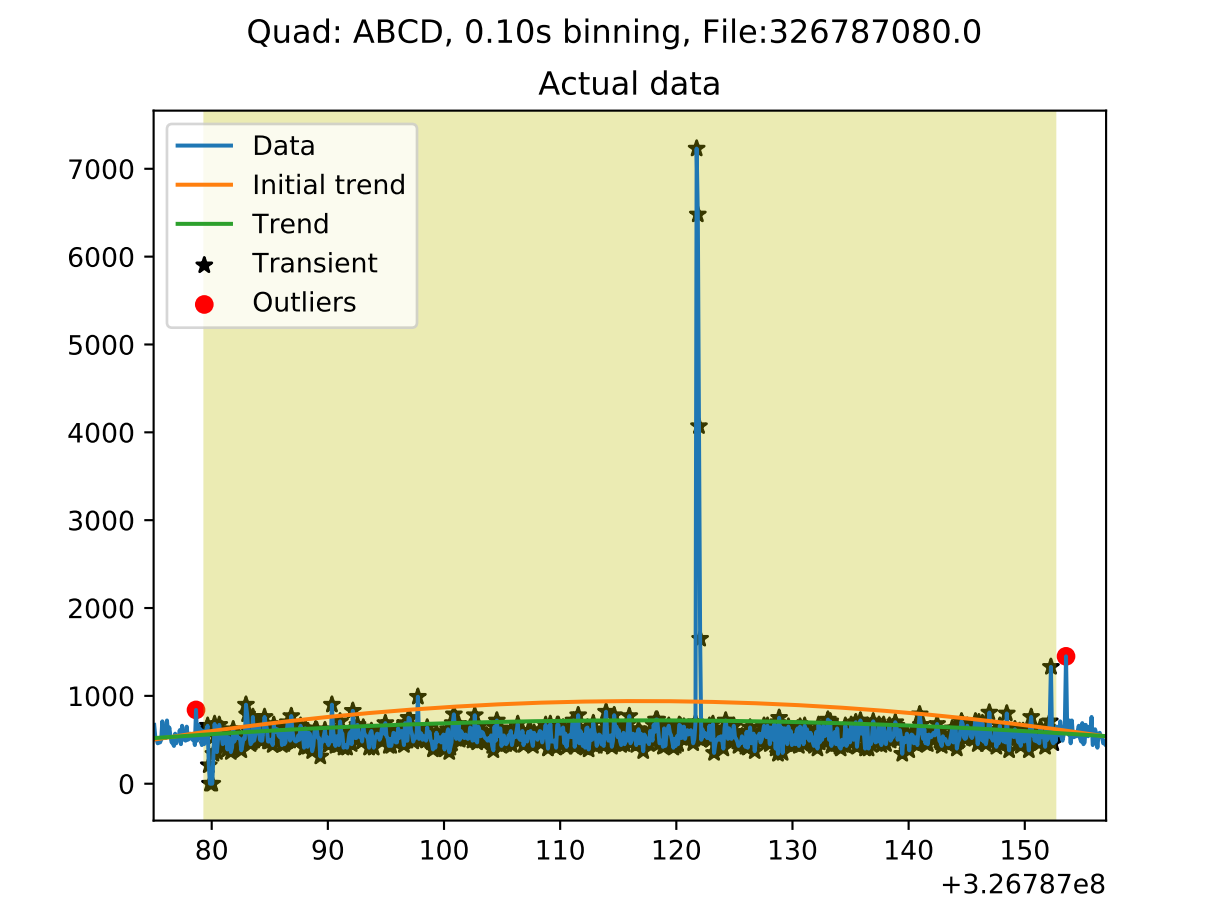

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
3000
2500
2000
1500
1000
500
0
80
90
100
110
120
130
140
150
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
3000
2000
1000
0
Time (sec)
+3.26787e8

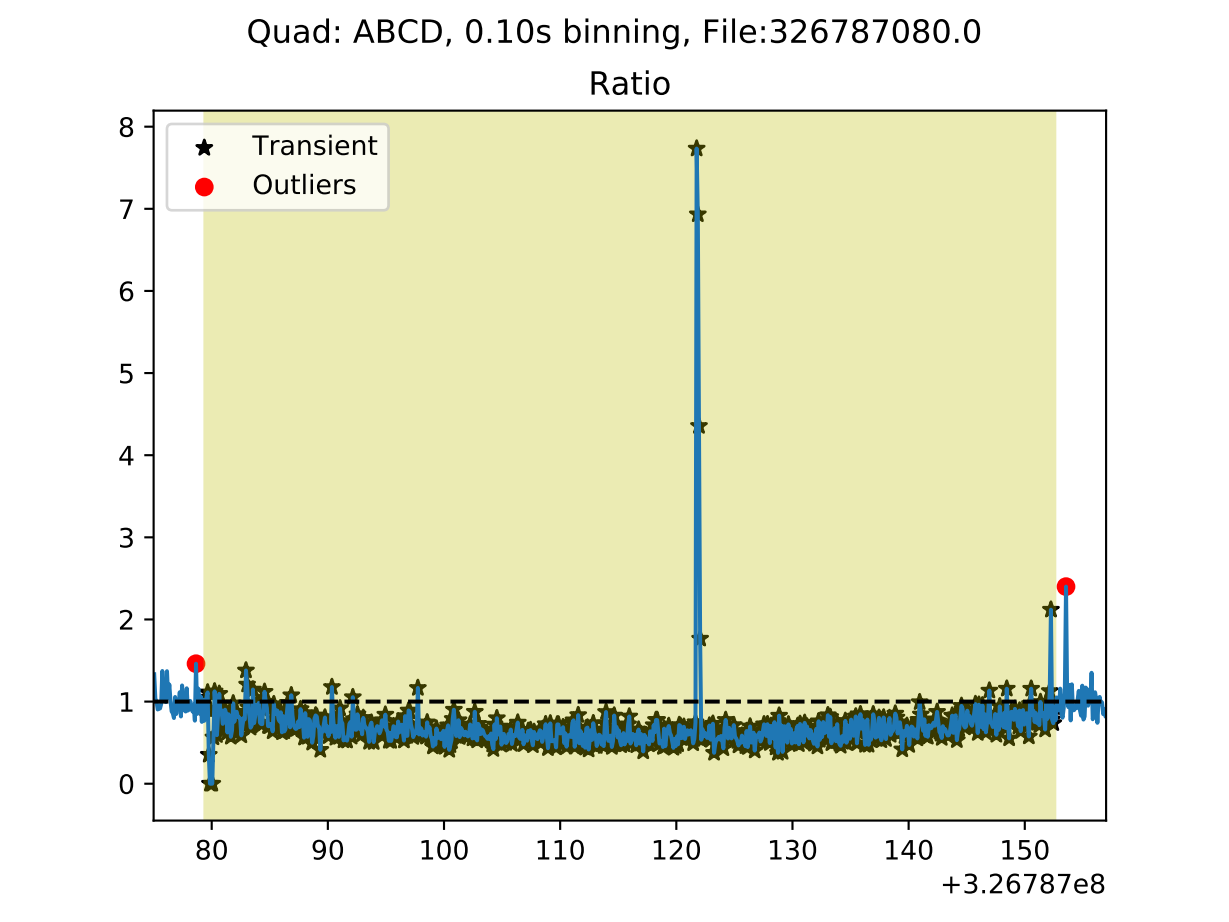

Quadrant D
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
bins
Marked times
Marked times
+3.26787e8

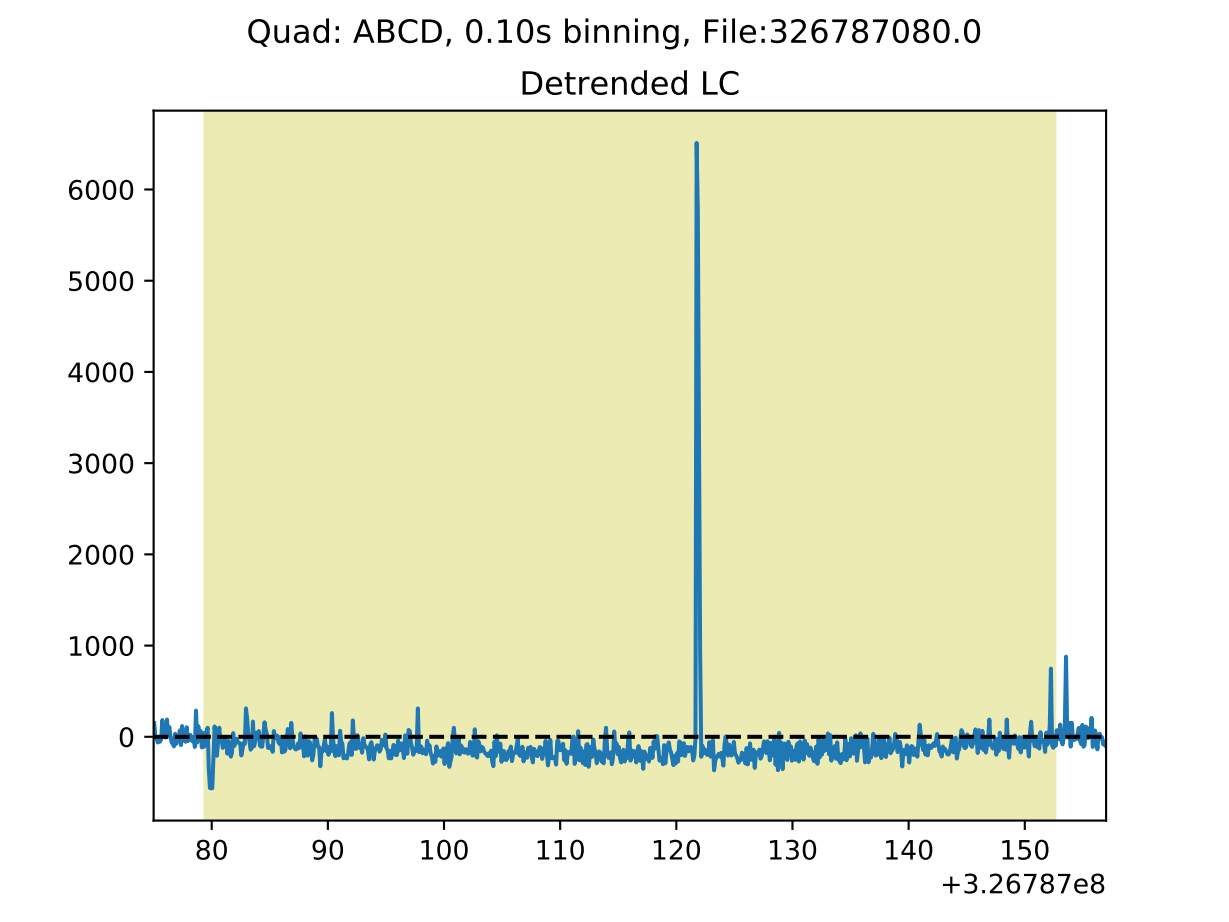

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
0
50
Excess counts/keV
Excess counts/sec
3000
2000
1000
0
Marked times
Marked times
+3.26787e8
bins
500

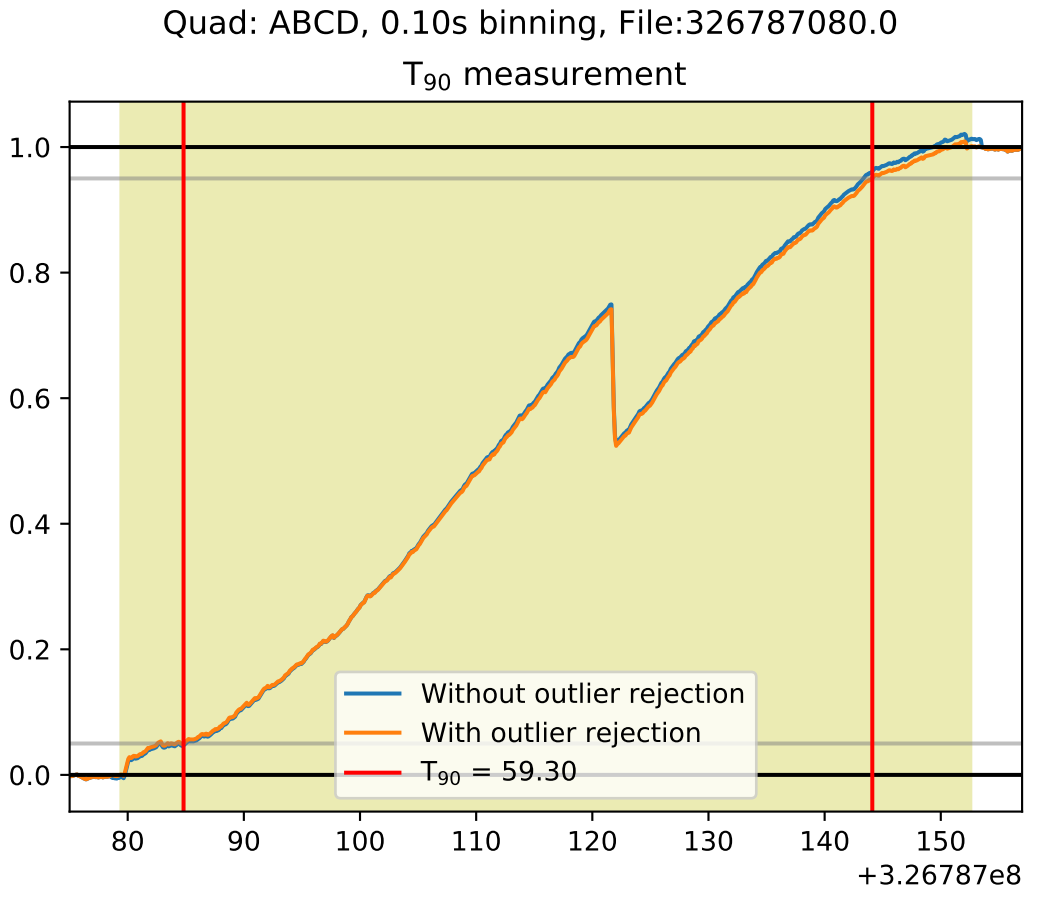

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
0
100
Strength/keV
Strength/sec
3000
2000
1000
0
Marked times
Marked times
+3.26787e8
500
bins

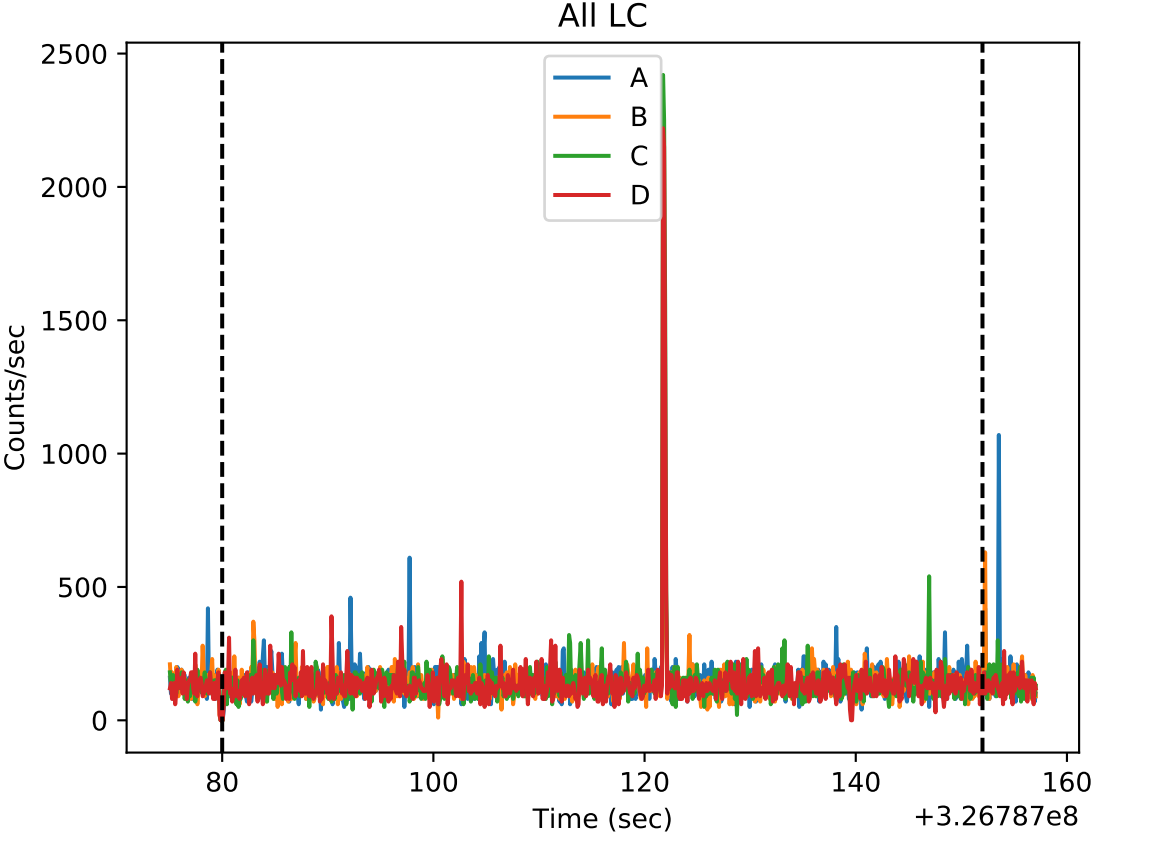

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
2500
2000
1500
1000
500
0
80
90
100
110
120
130
140
150
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
3000
2000
1000
0
Time (sec)
+3.26787e8


Quad: ABCD, 0.10s binning, File:326787080.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
7000
6000
5000
4000
3000
2000
1000
0
80
90
100
110
120
130
140
150
+3.26787e8


Quad: ABCD, 0.10s binning, File:326787080.0
Ratio
Transient
Outliers
8
7
6
5
4
3
2
1
0
80
90
100
110
120
130
140
150
+3.26787e8


Quad: ABCD, 0.10s binning, File:326787080.0
Detrended LC
6000
5000
4000
3000
2000
1000
0
80
90
100
110
120
130
140
150
+3.26787e8


Quad: ABCD, 0.10s binning, File:326787080.0
T90 measurement
1.0
0.8
0.6
0.4
0.2
0.0
80
90
100
110
120
130
140
150
+3.26787e8
Without outlier rejection
With outlier rejection
T90 = 59.30


All LC
A
B
C
D
2500
2000
1500
1000
500
0
Counts/sec
80
100
120
140
160
Time (sec)
+3.26787e8