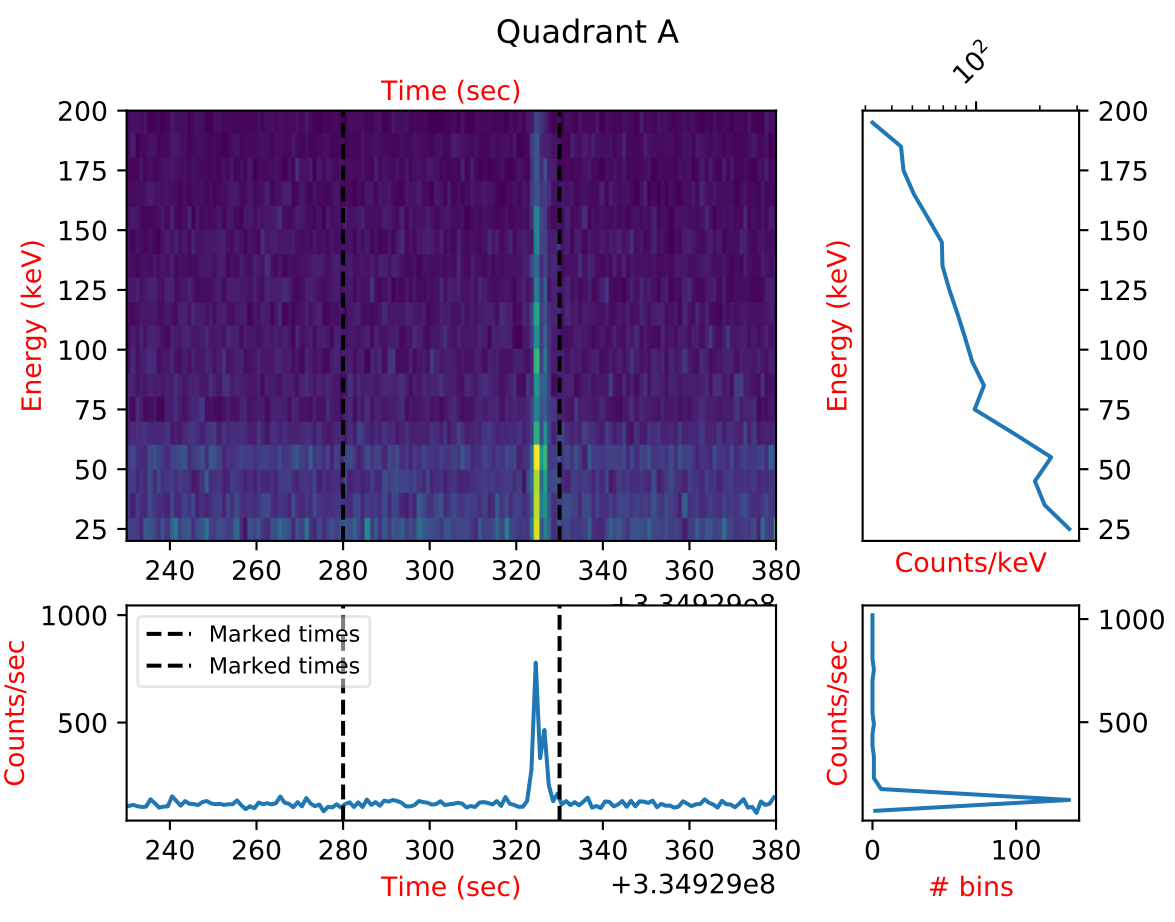
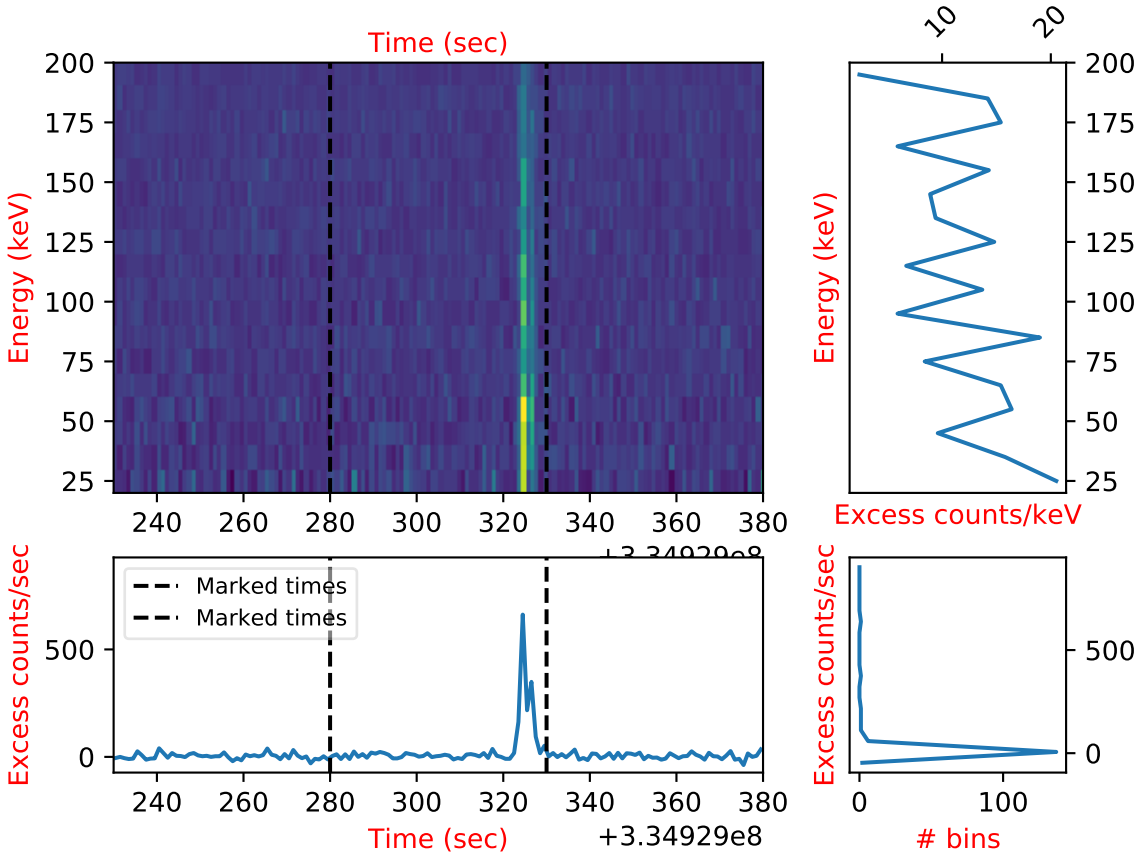
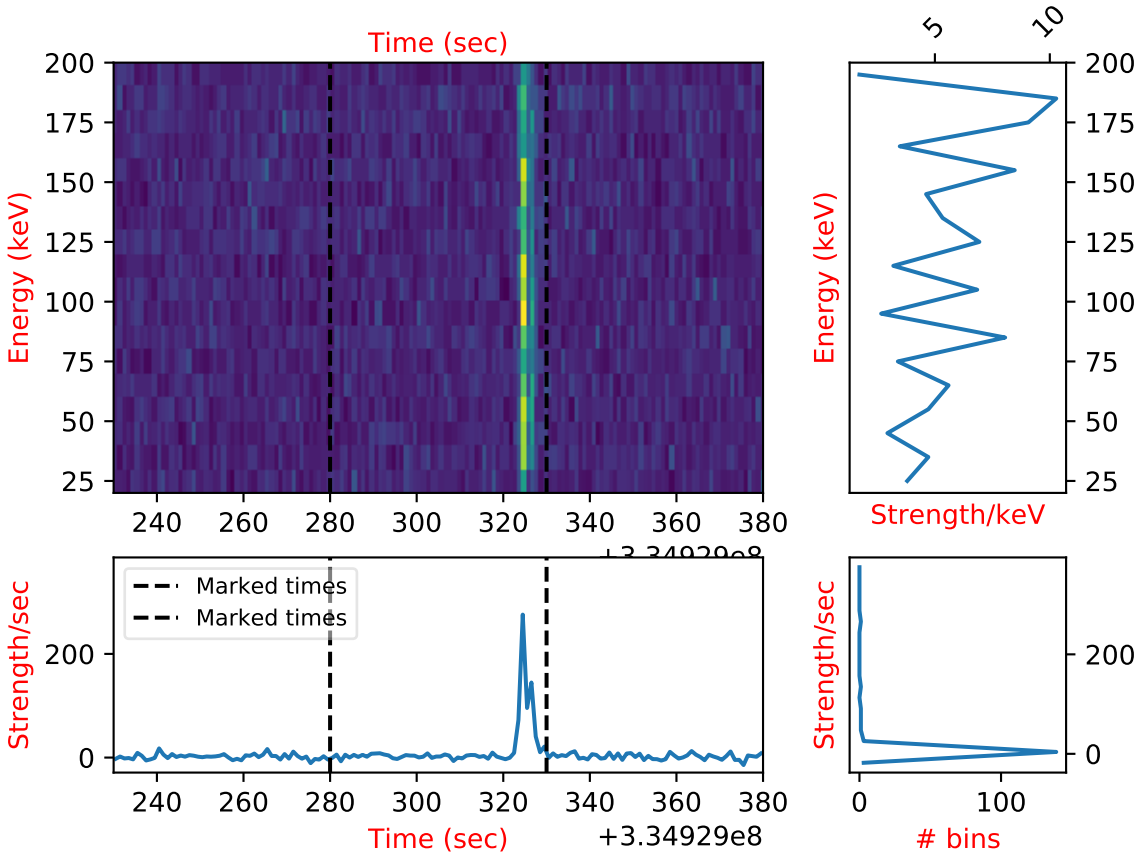
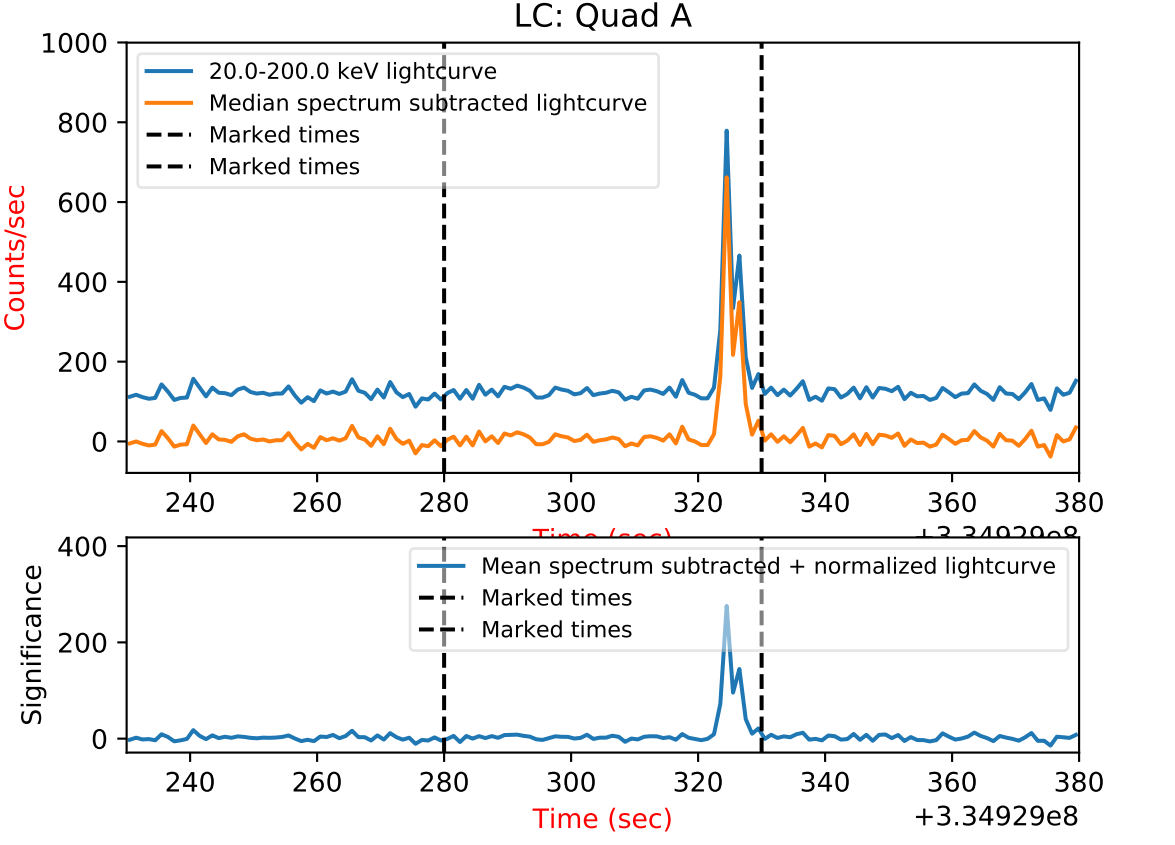
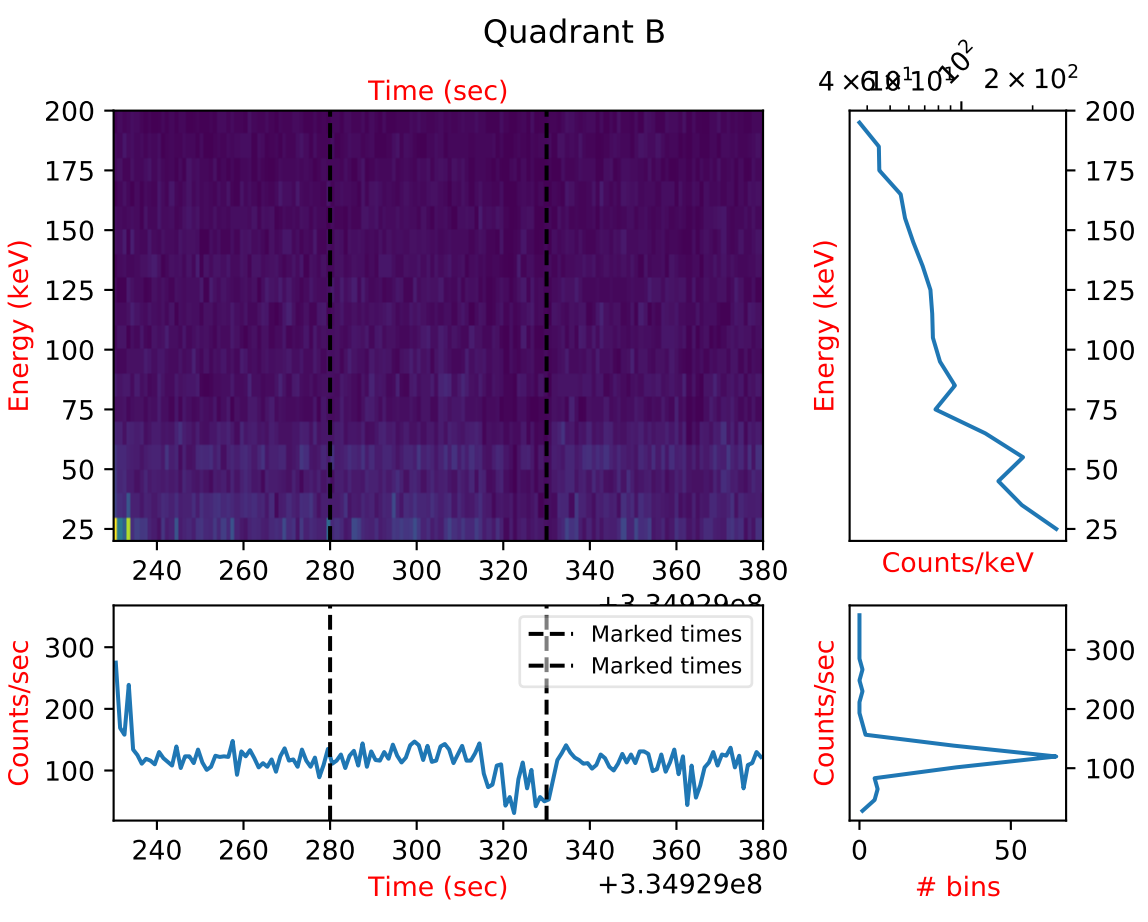
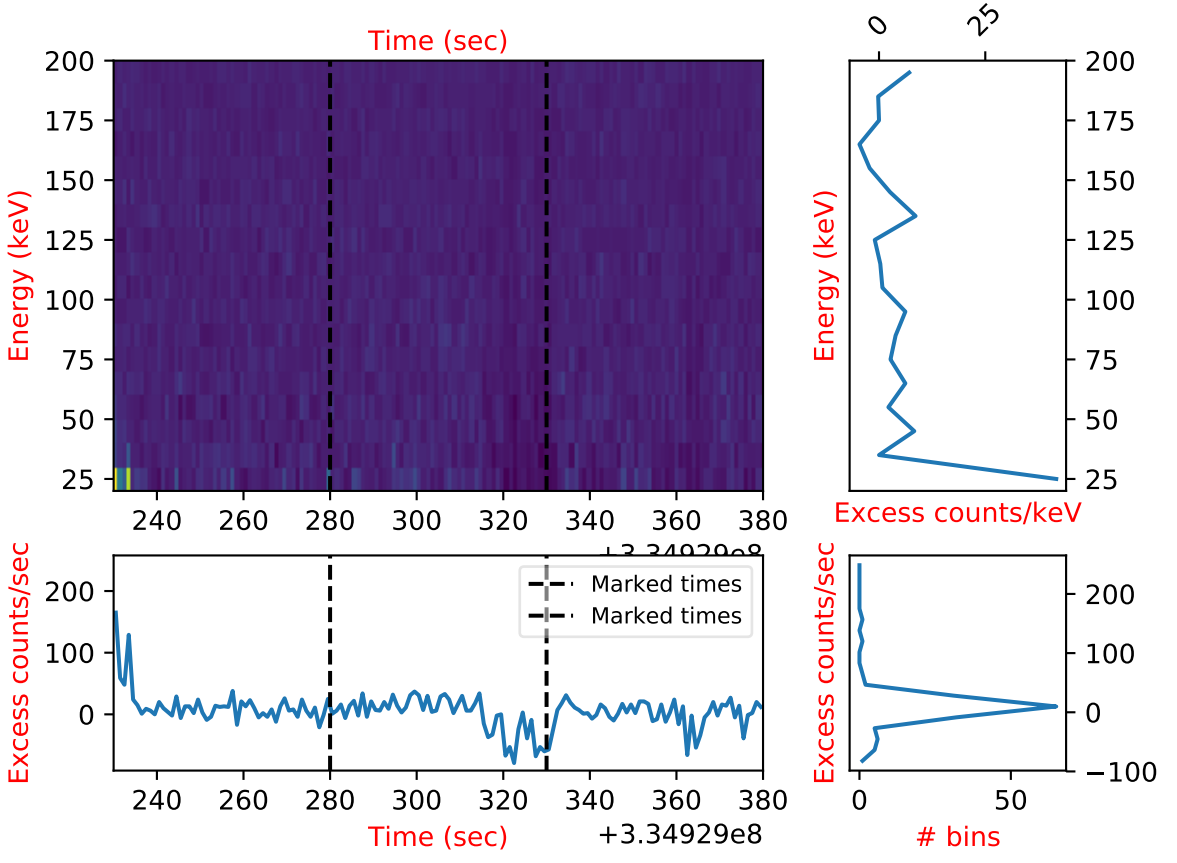

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
240
260
280
300
320
340
360
380
10^2
Counts/keV
Marked times
Marked times
Counts/sec
1000
500
+3.34929e8
0
100
bins

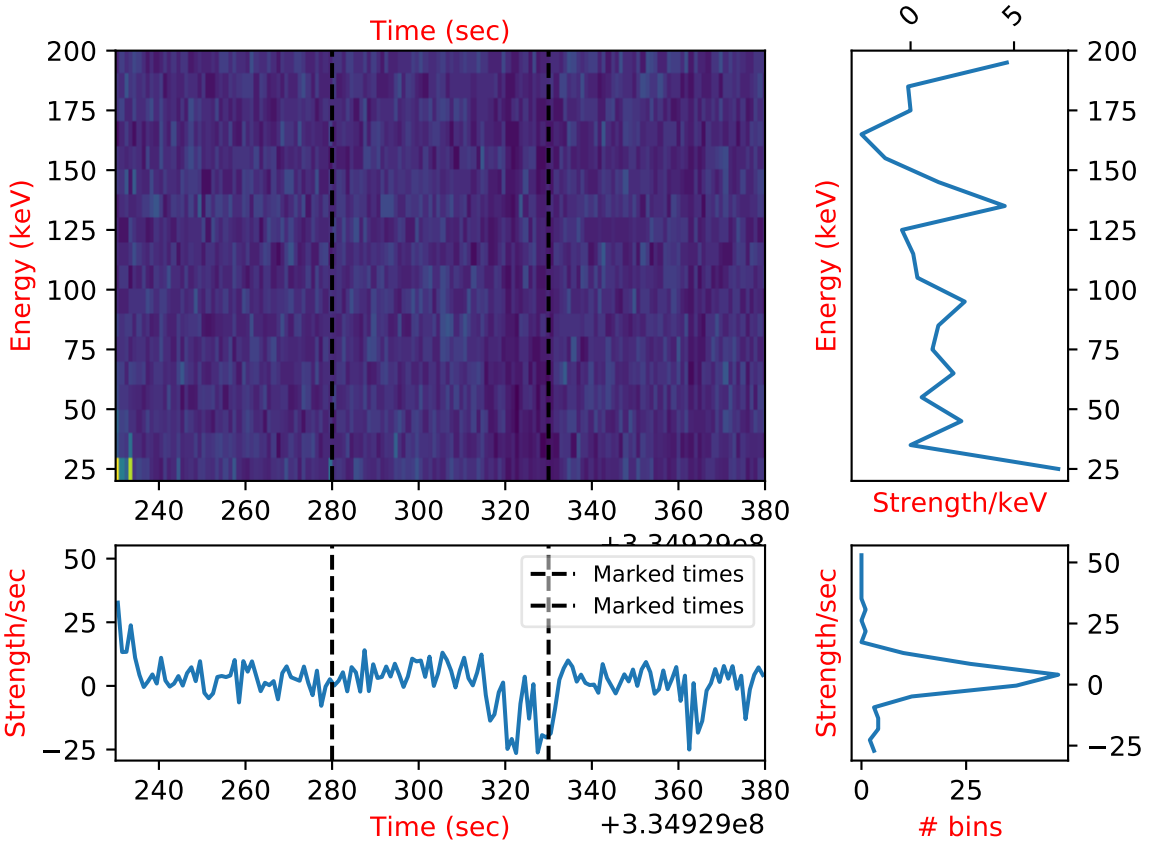

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
240
260
280
300
320
340
360
380
10
20
Excess counts/keV
Excess counts/sec
Marked times
Marked times
500
0
+3.34929e8
bins
100

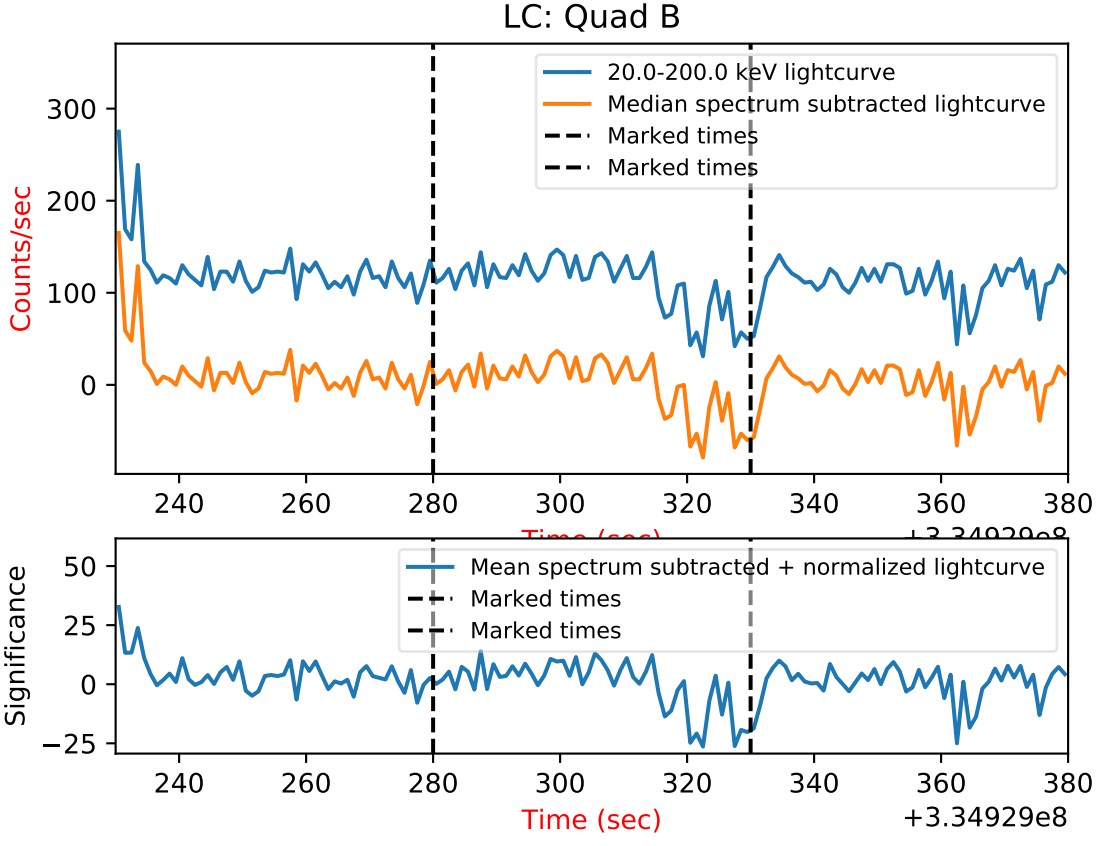

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
240
260
280
300
320
340
360
380
5
10
Strength/keV
Strength/sec
Marked times
Marked times
0
100
bins
+3.34929e8

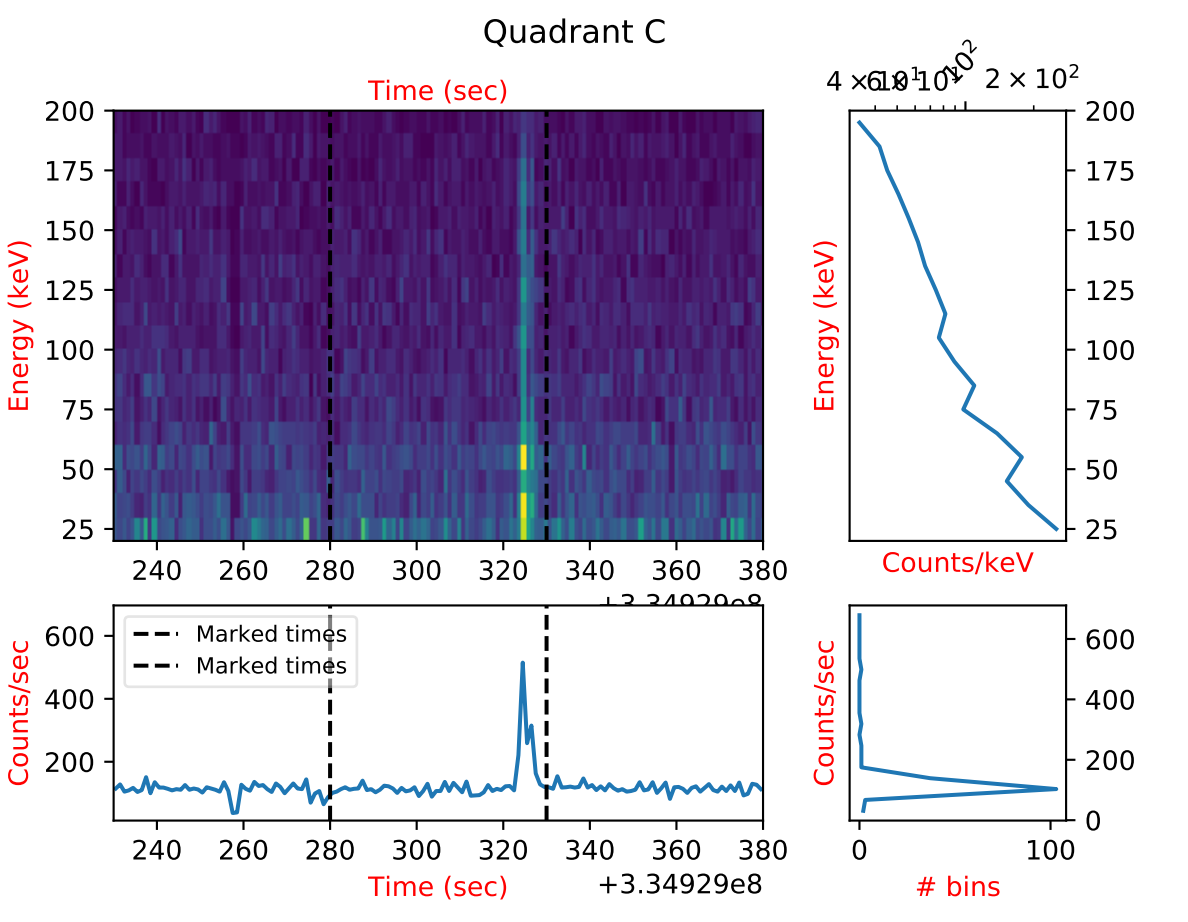

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1000
800
600
400
200
0
240
260
280
300
320
340
360
380
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
400
200
0
Time (sec)
+3.34929e8

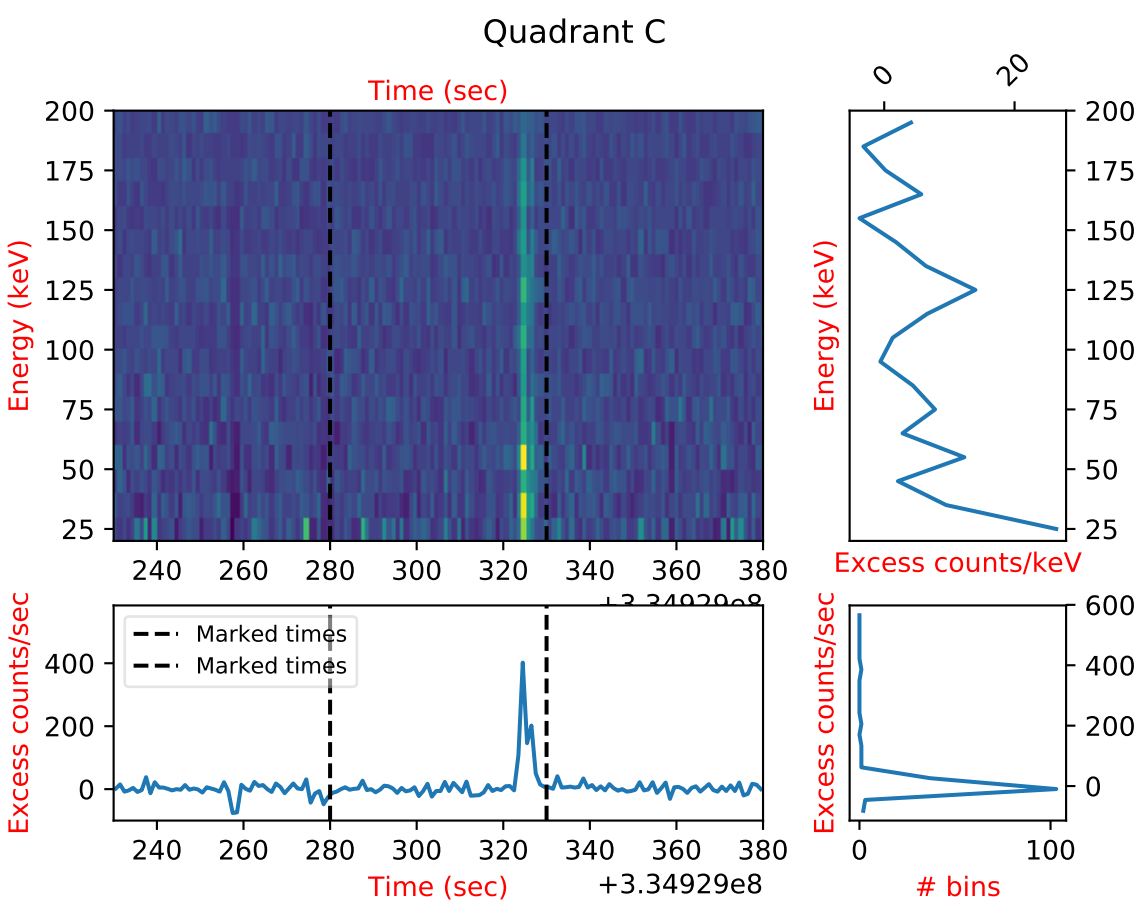

Quadrant B
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
bins
Marked times
Marked times
+3.34929e8
+3.34929e8

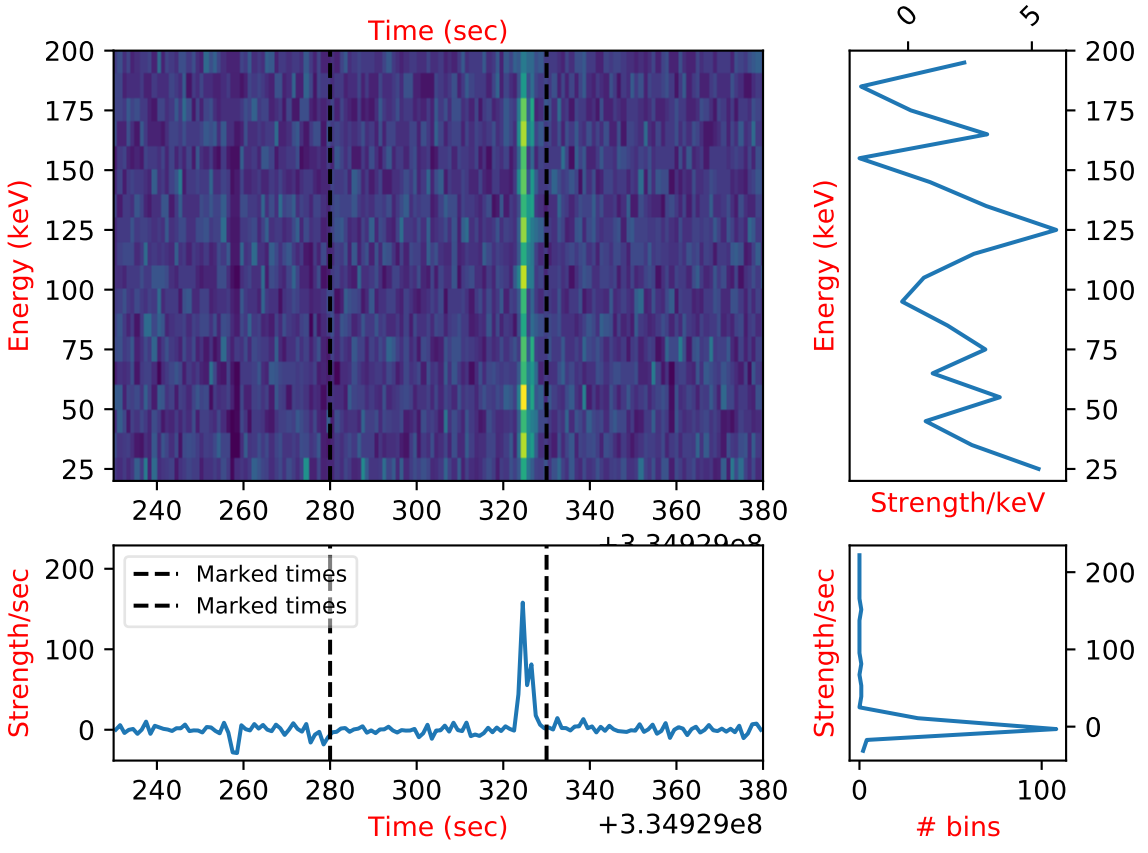

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
240
260
280
300
320
340
360
380
0
25
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+3.34929e8
bins

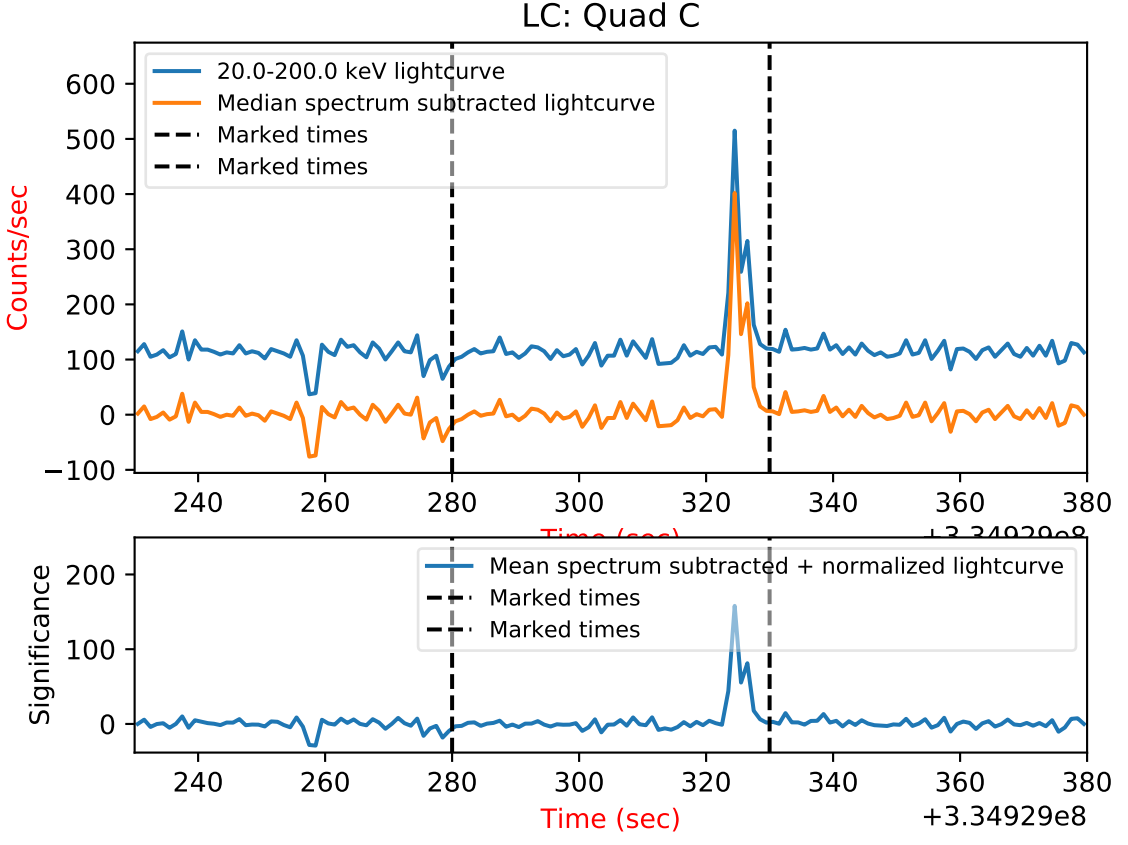

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
240
260
280
300
320
340
360
380
0
5
Strength/keV
Strength/sec
Marked times
Marked times
50
25
0
−25
bins
+3.34929e8

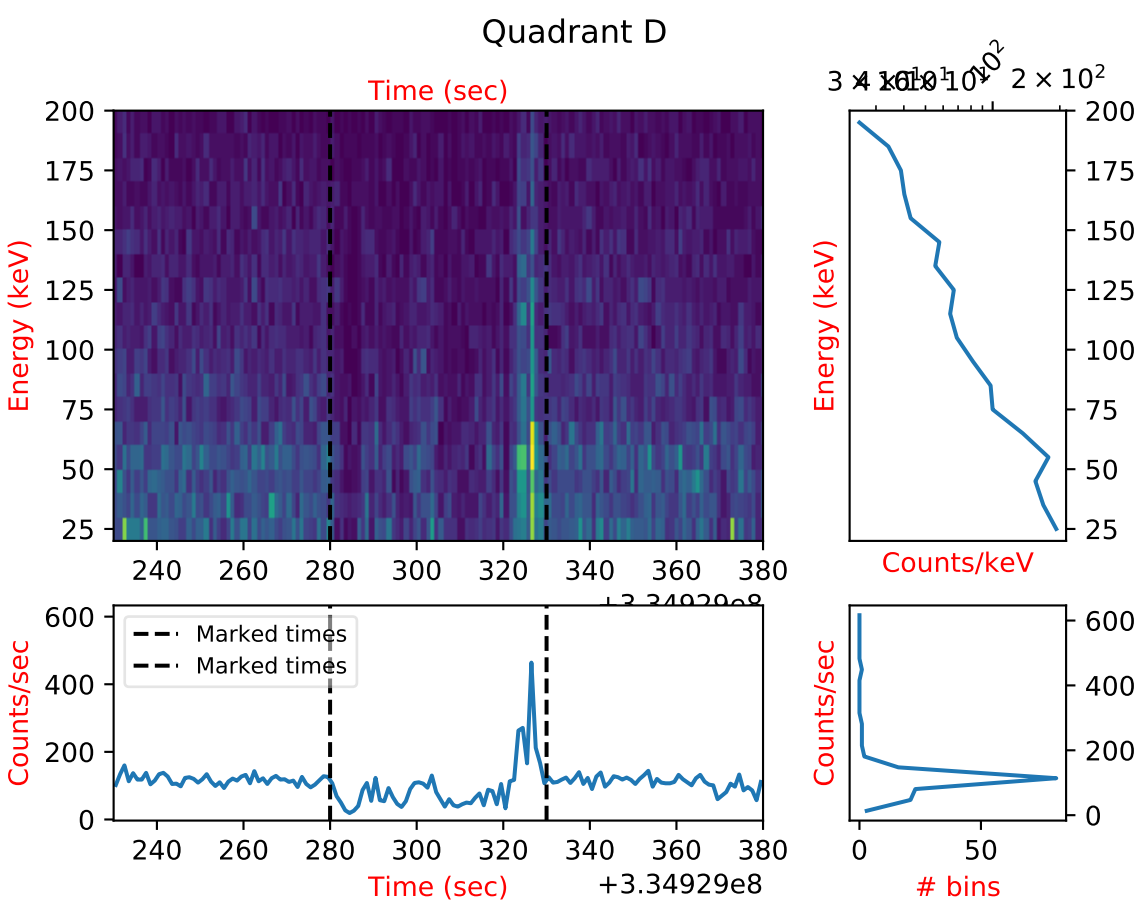

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
200
100
0
240
260
280
300
320
340
360
380
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
50
25
0
−25
Time (sec)
+3.34929e8

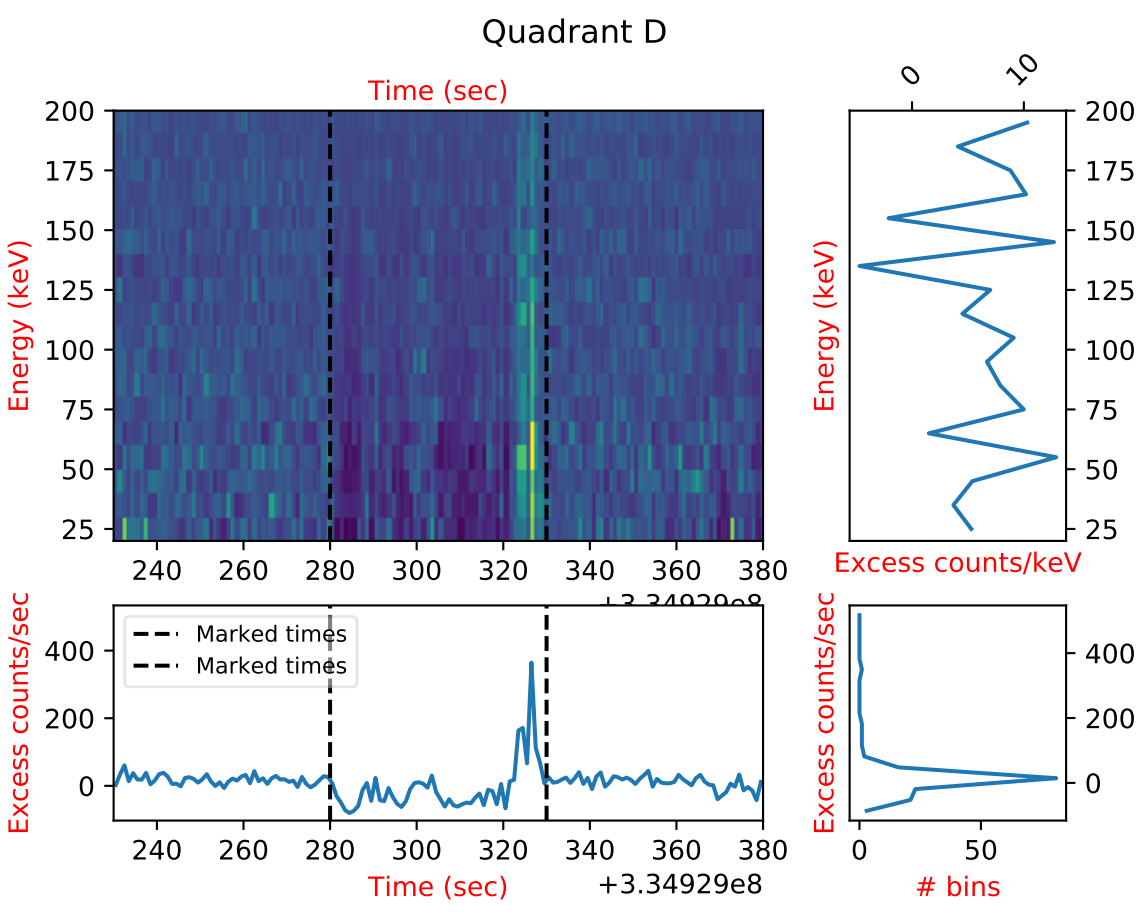

Quadrant C
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
bins
Marked times
Marked times
+3.34929e8

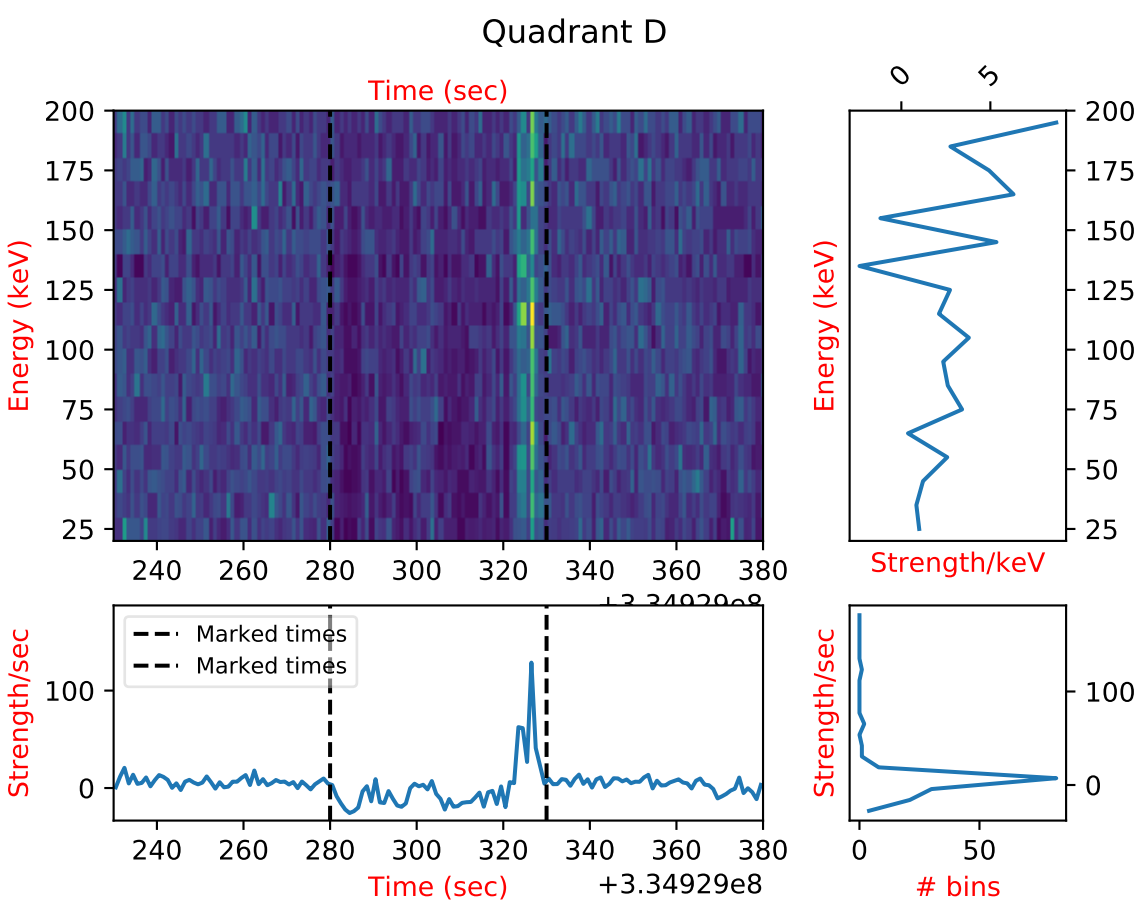

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
240
260
280
300
320
340
360
380
0
20
Excess counts/keV
Excess counts/sec
Marked times
Marked times
400
200
0
600
100
bins
+3.34929e8

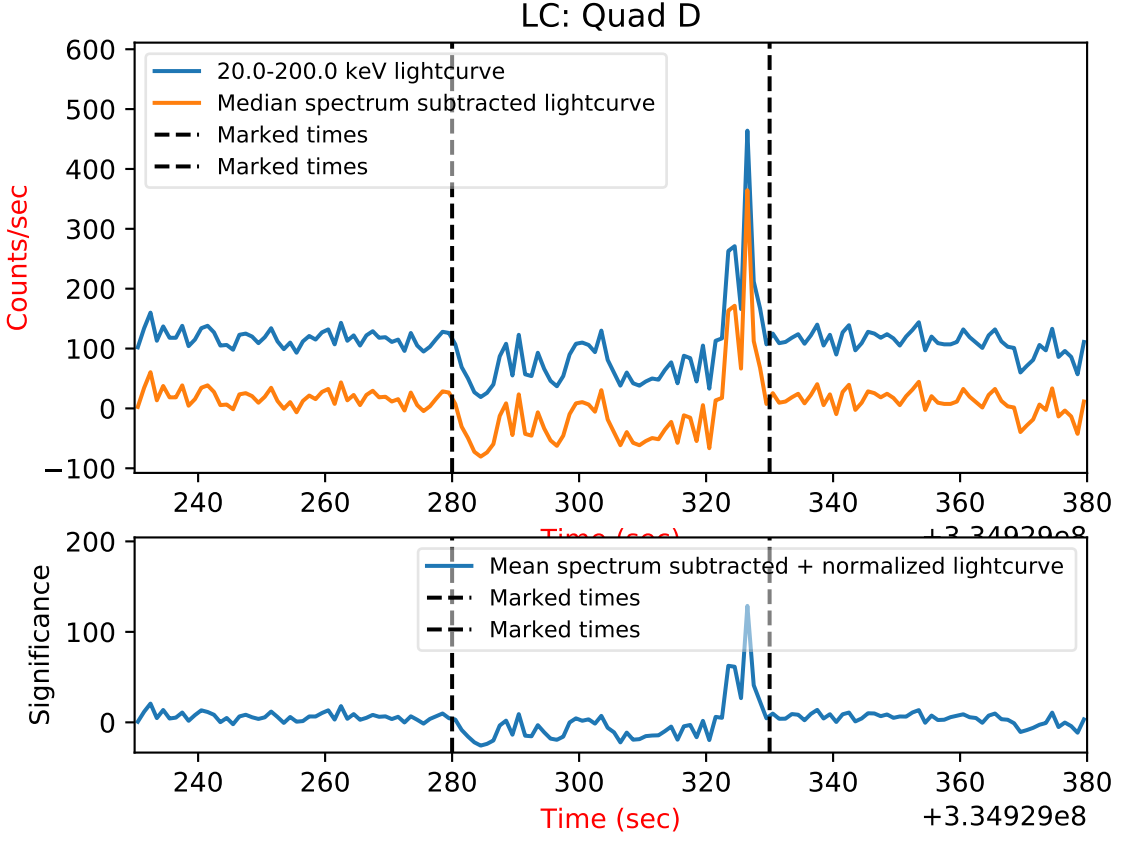

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
240
260
280
300
320
340
360
380
+3.34929e8
0
5
Strength/keV
Strength/sec
Marked times
Marked times
bins
100

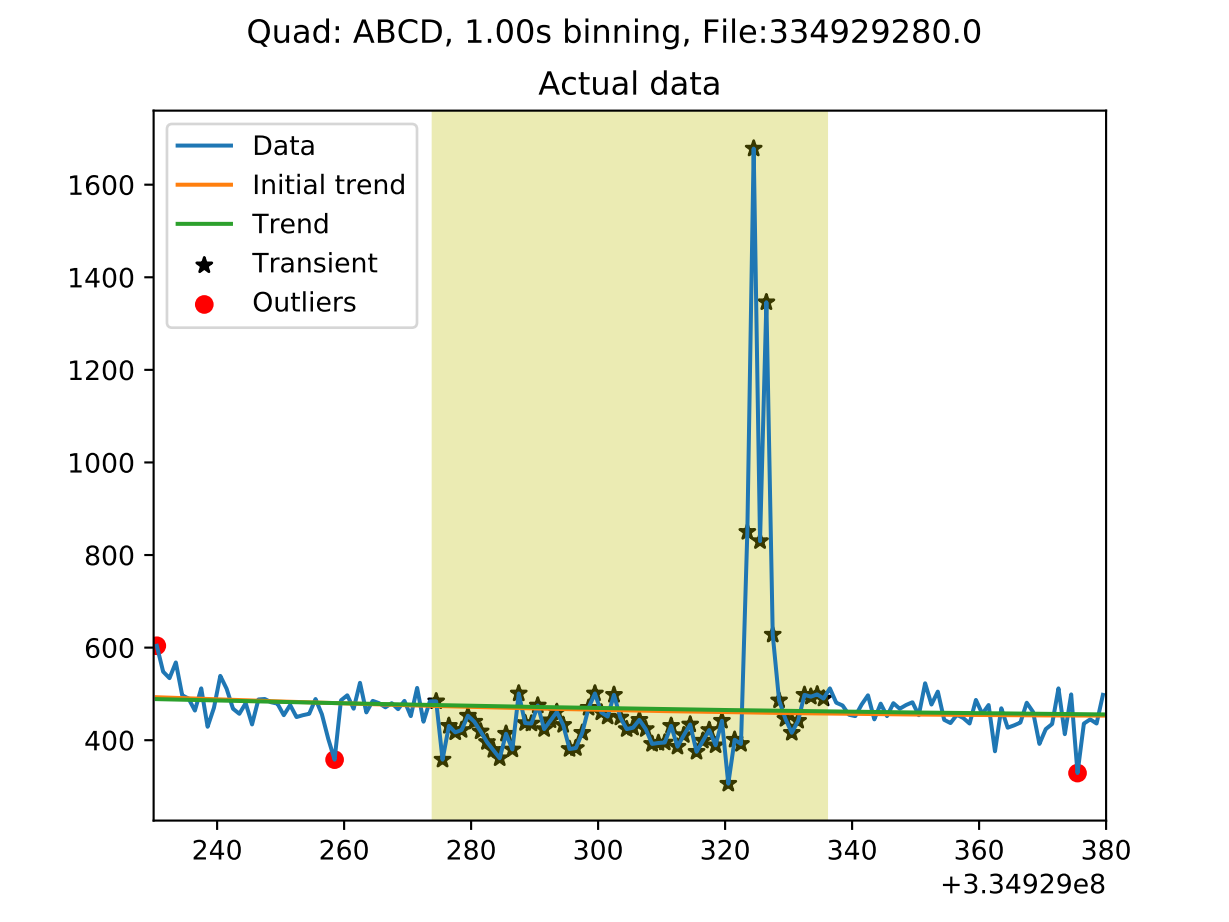

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
600
500
400
300
200
100
0
−100
240
260
280
300
320
340
360
380
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
200
100
0
Time (sec)
+3.34929e8

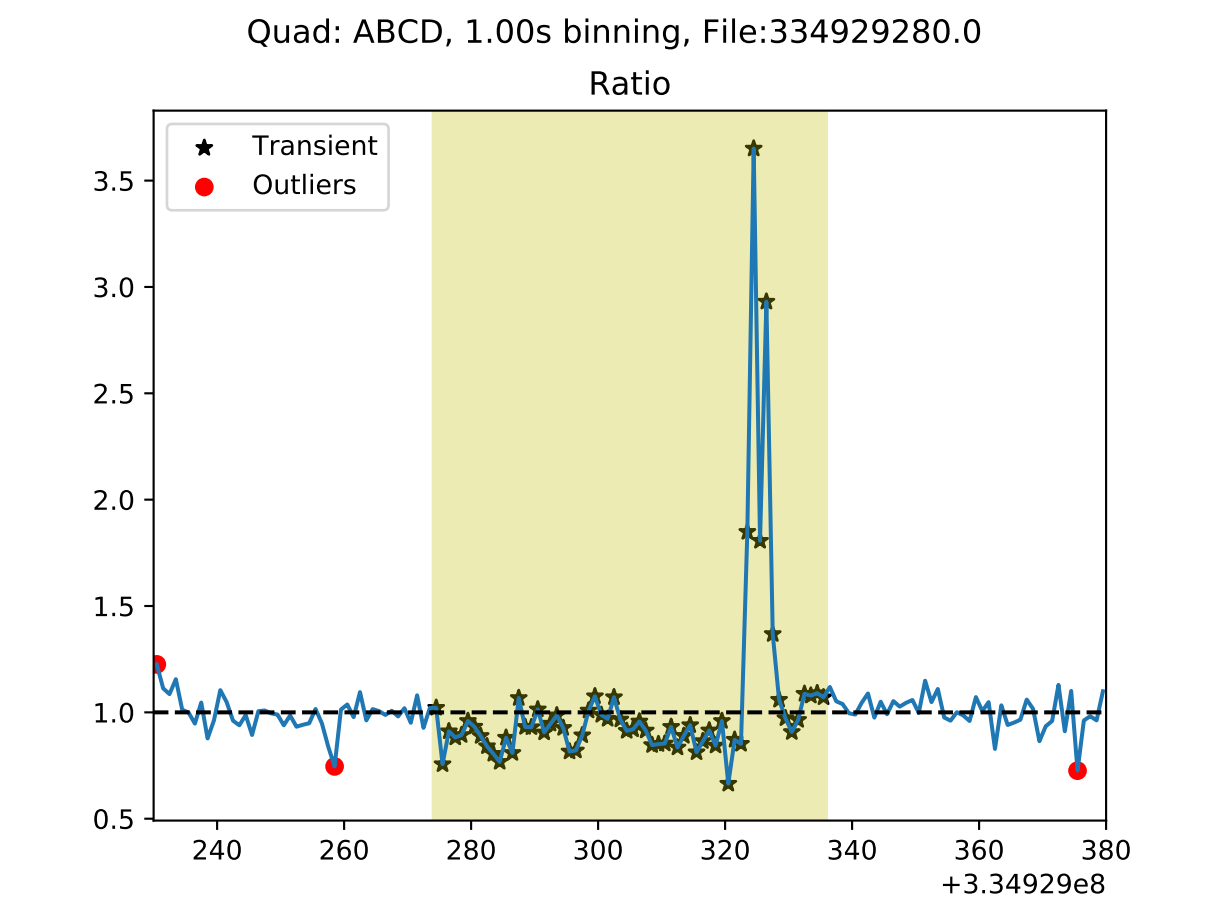

Quadrant D
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+3.34929e8
bins

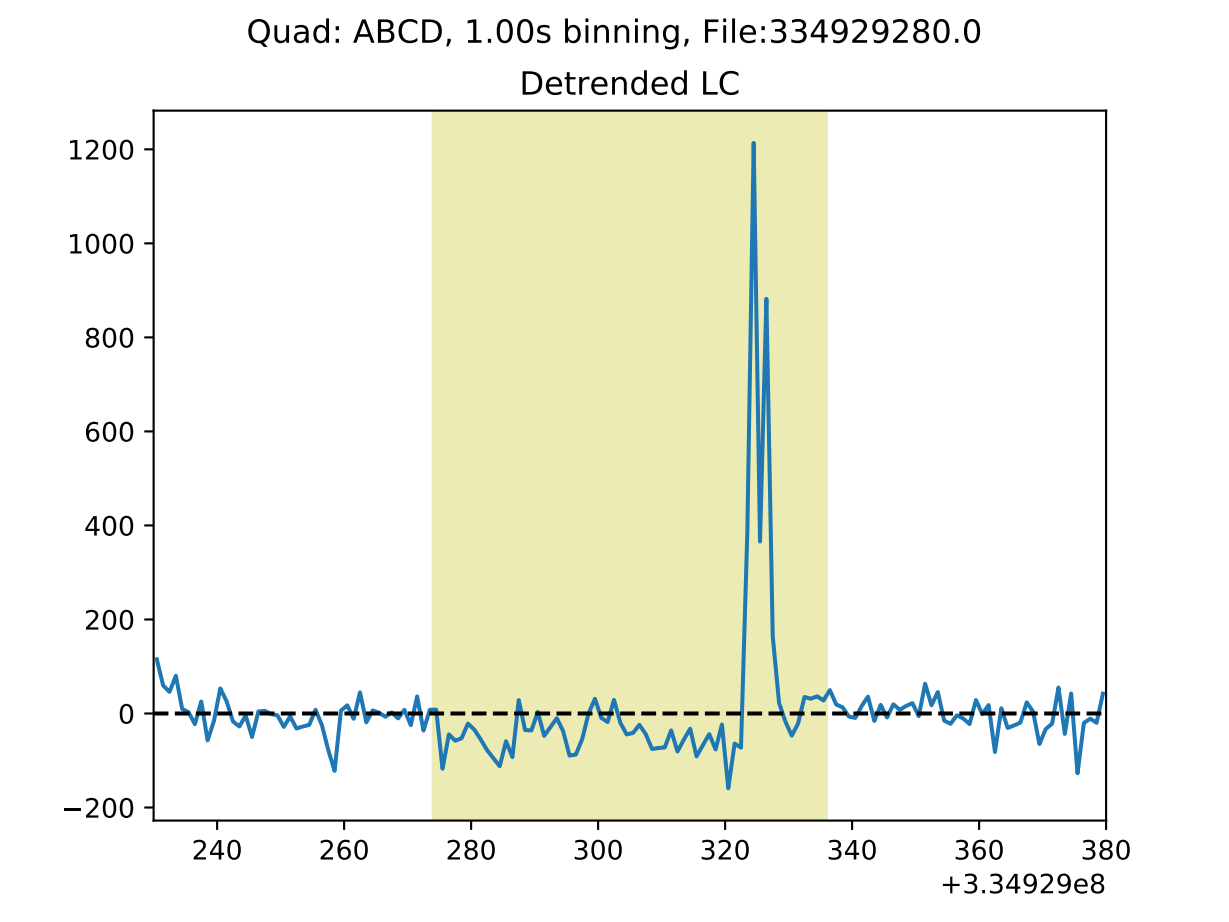

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
240
260
280
300
320
340
360
380
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
400
200
0
+3.34929e8
bins
50

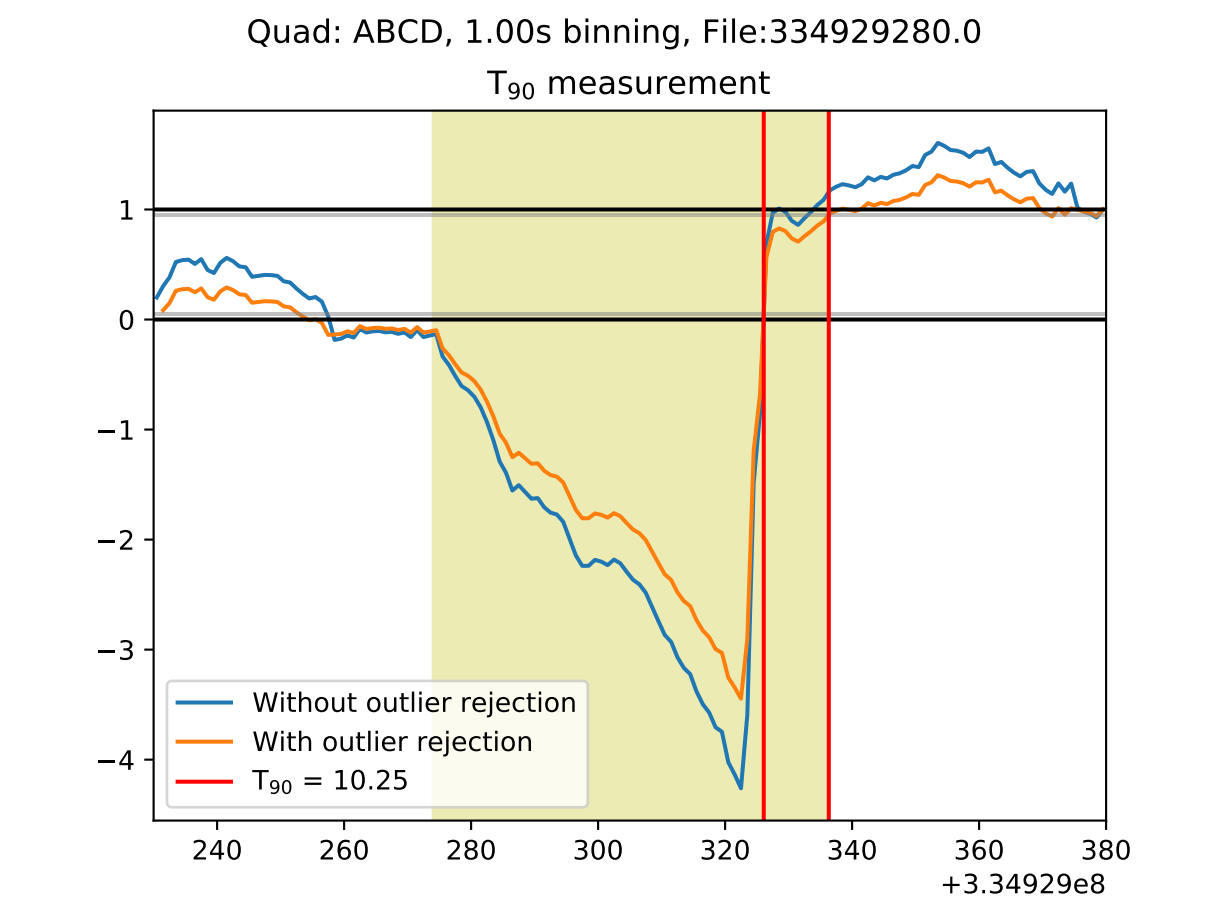

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
240
260
280
300
320
340
360
380
+3.34929e8
0
5
Strength/keV
Strength/sec
Marked times
Marked times
100
0
Time (sec)
+3.34929e8
bins
50

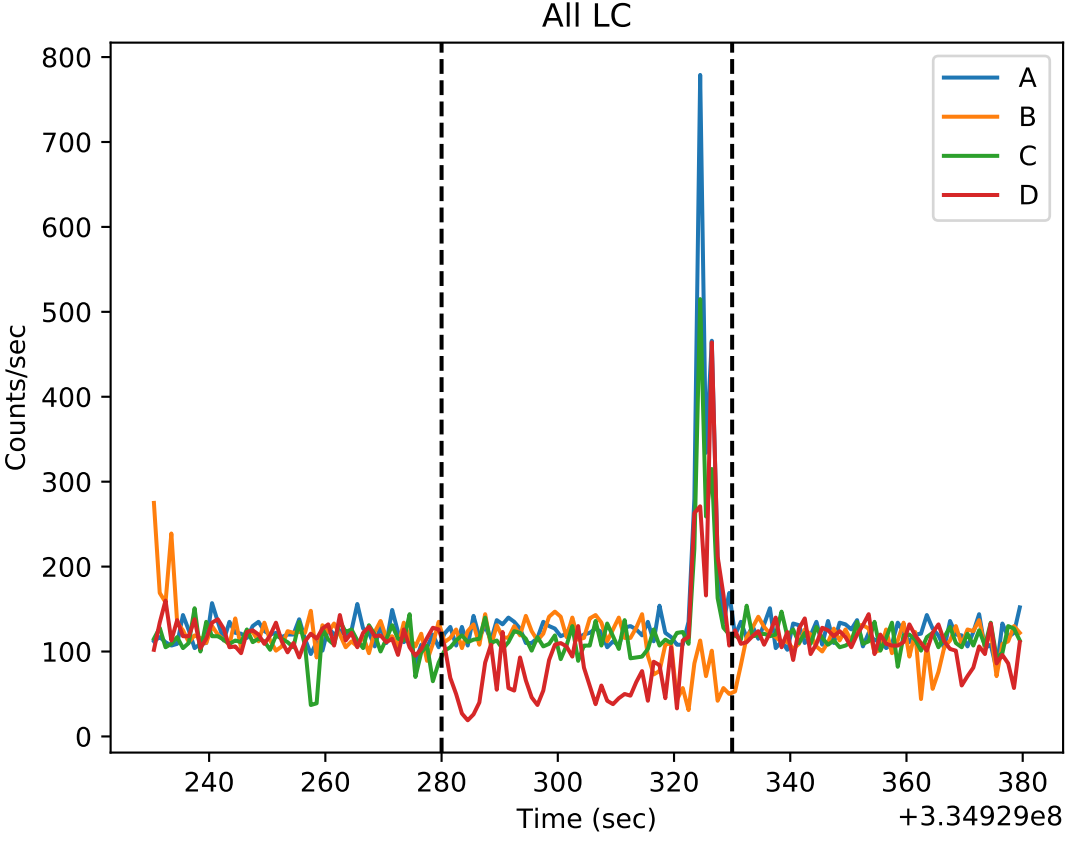

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
600
500
400
300
200
100
0
−100
240
260
280
300
320
340
360
380
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
200
100
0
Time (sec)
+3.34929e8


Quad: ABCD, 1.00s binning, File:334929280.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
1600
1400
1200
1000
800
600
400
240
260
280
300
320
340
360
380
+3.34929e8


Quad: ABCD, 1.00s binning, File:334929280.0
Ratio
Transient
Outliers
3.5
3.0
2.5
2.0
1.5
1.0
0.5
240
260
280
300
320
340
360
380
+3.34929e8


Quad: ABCD, 1.00s binning, File:334929280.0
Detrended LC
1200
1000
800
600
400
200
0
−200
240
260
280
300
320
340
360
380
+3.34929e8


Quad: ABCD, 1.00s binning, File:334929280.0
T90 measurement
1
0
−1
−2
−3
−4
240
260
280
300
320
340
360
380
+3.34929e8
Without outlier rejection
With outlier rejection
T90 = 10.25


All LC
A
B
C
D
Counts/sec
Time (sec)
+3.34929e8
800
700
600
500
400
300
200
100
0
240
260
280
300
320
340
360
380