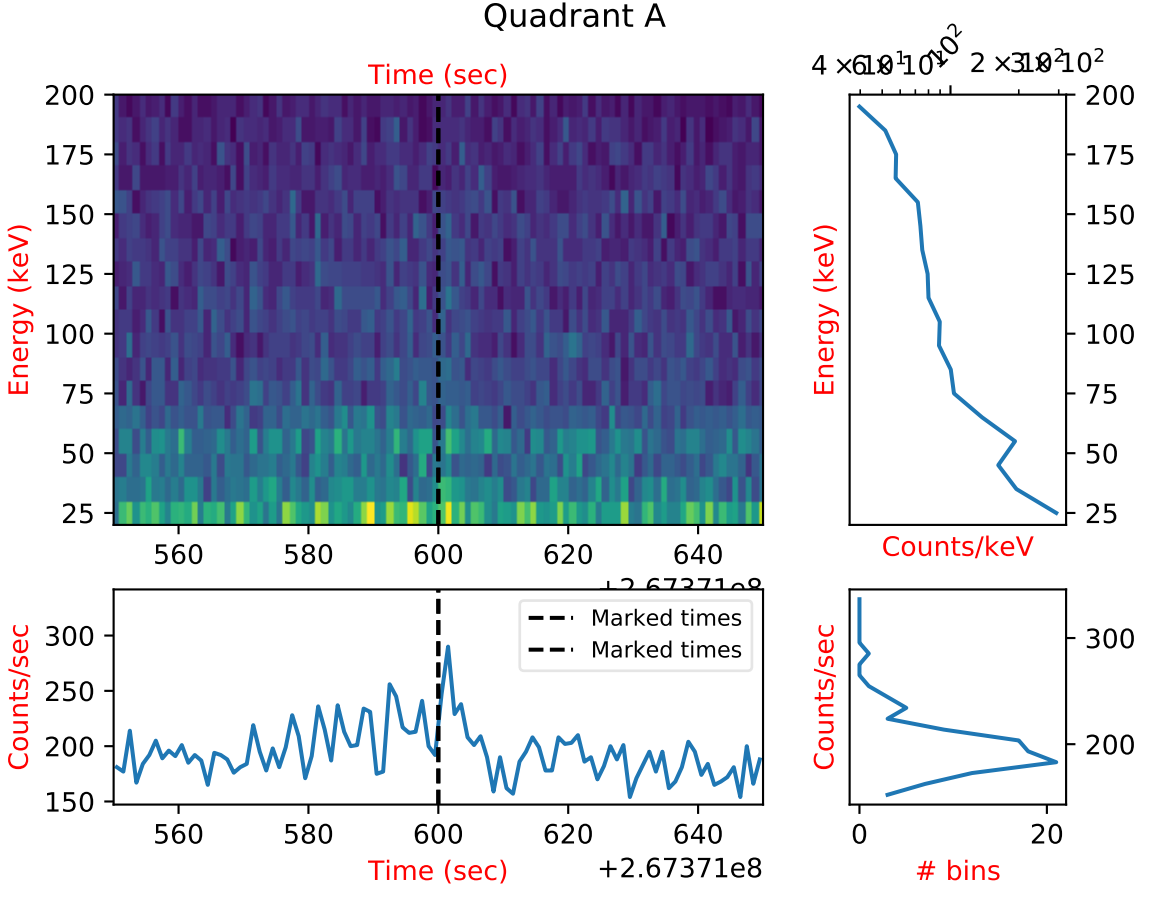
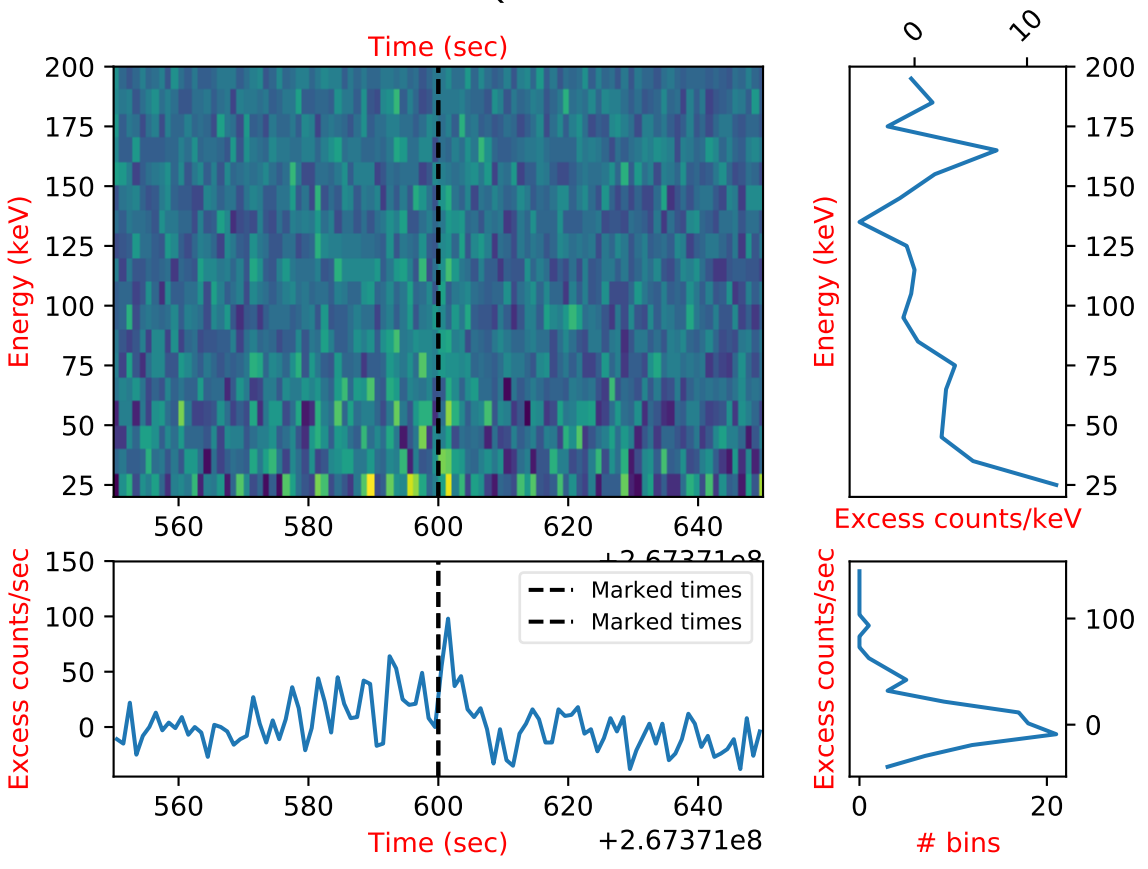
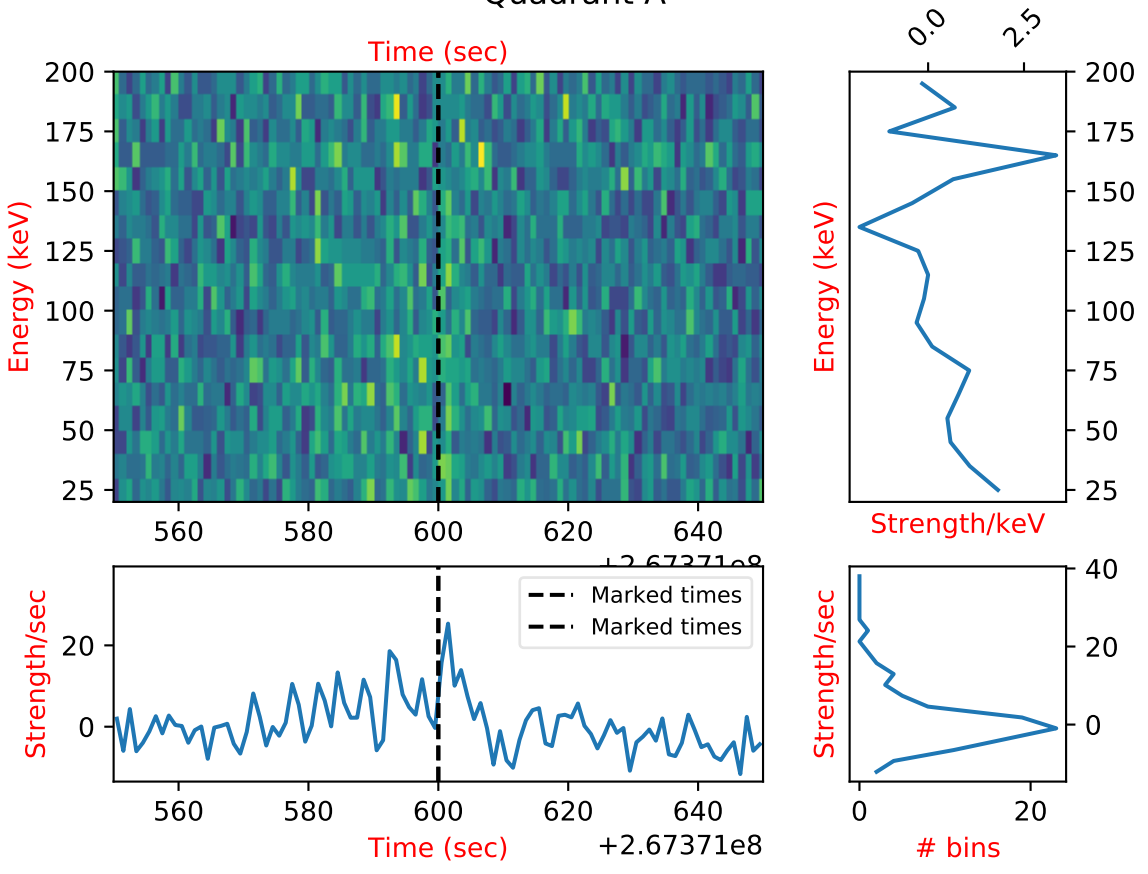
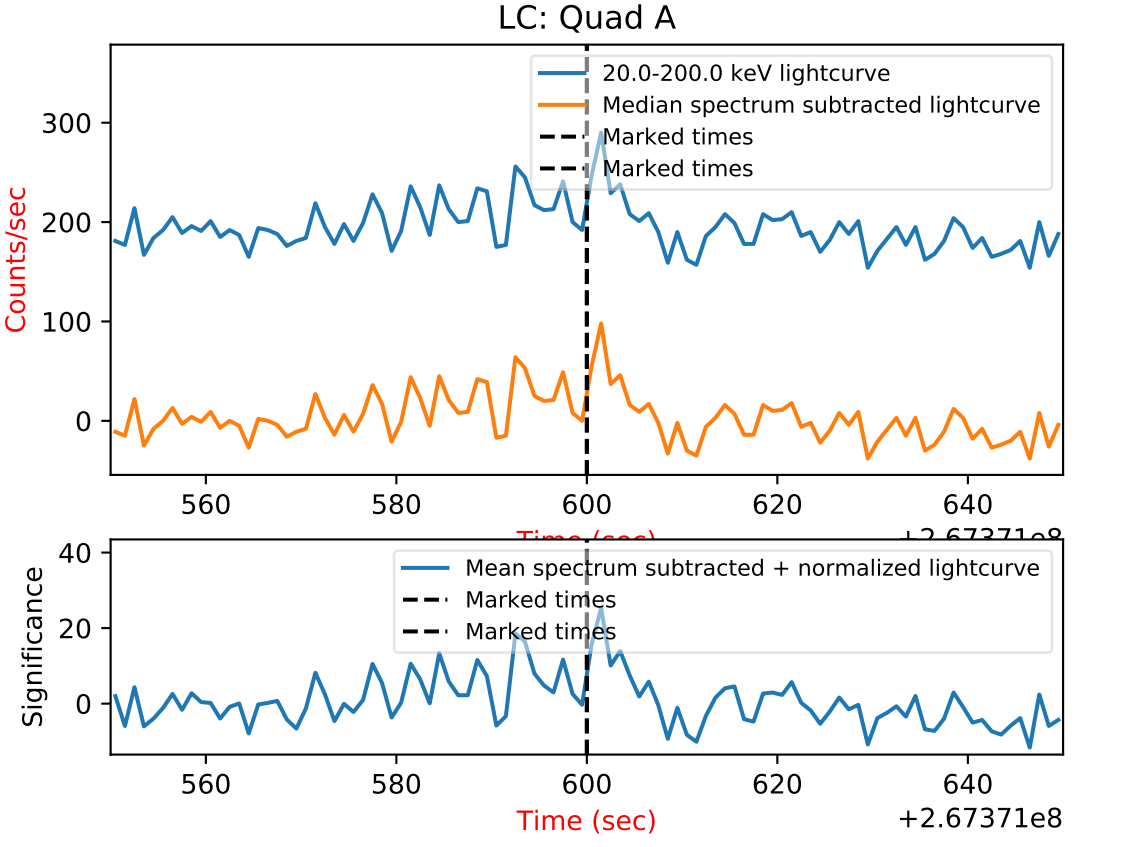
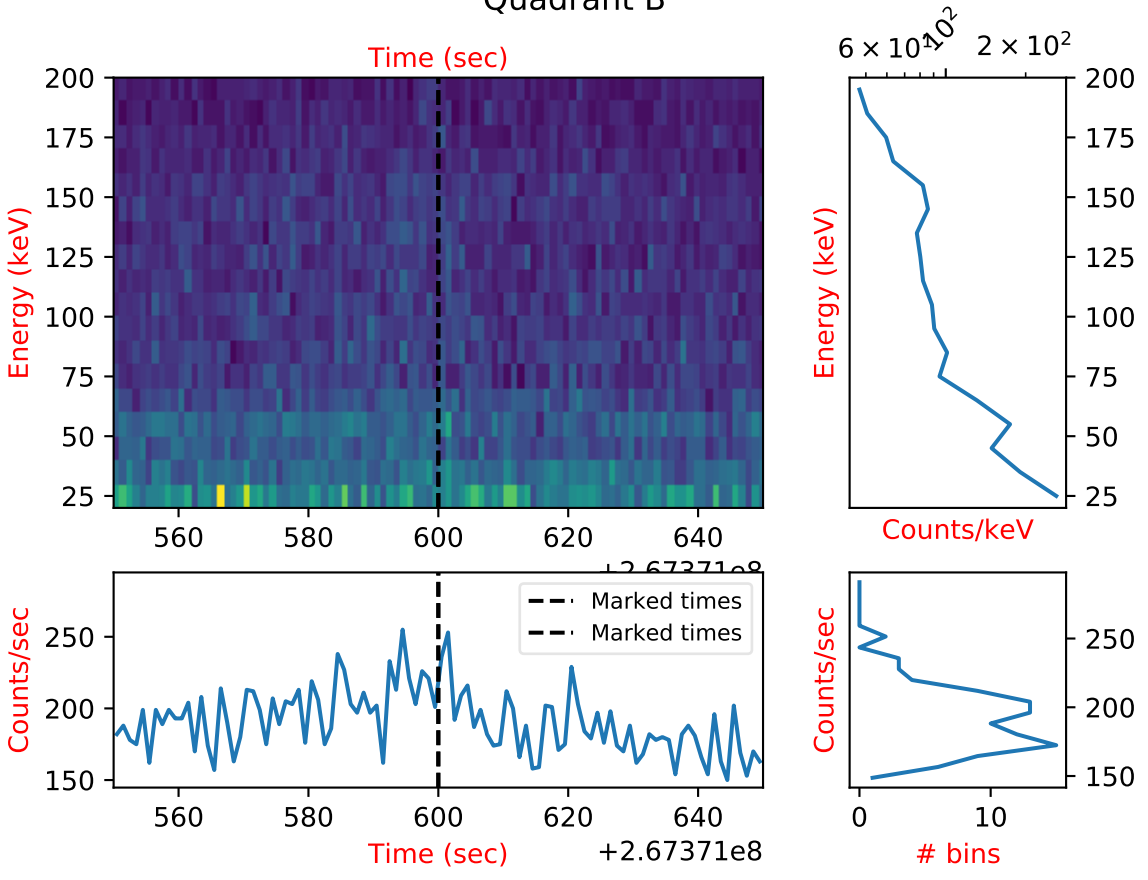
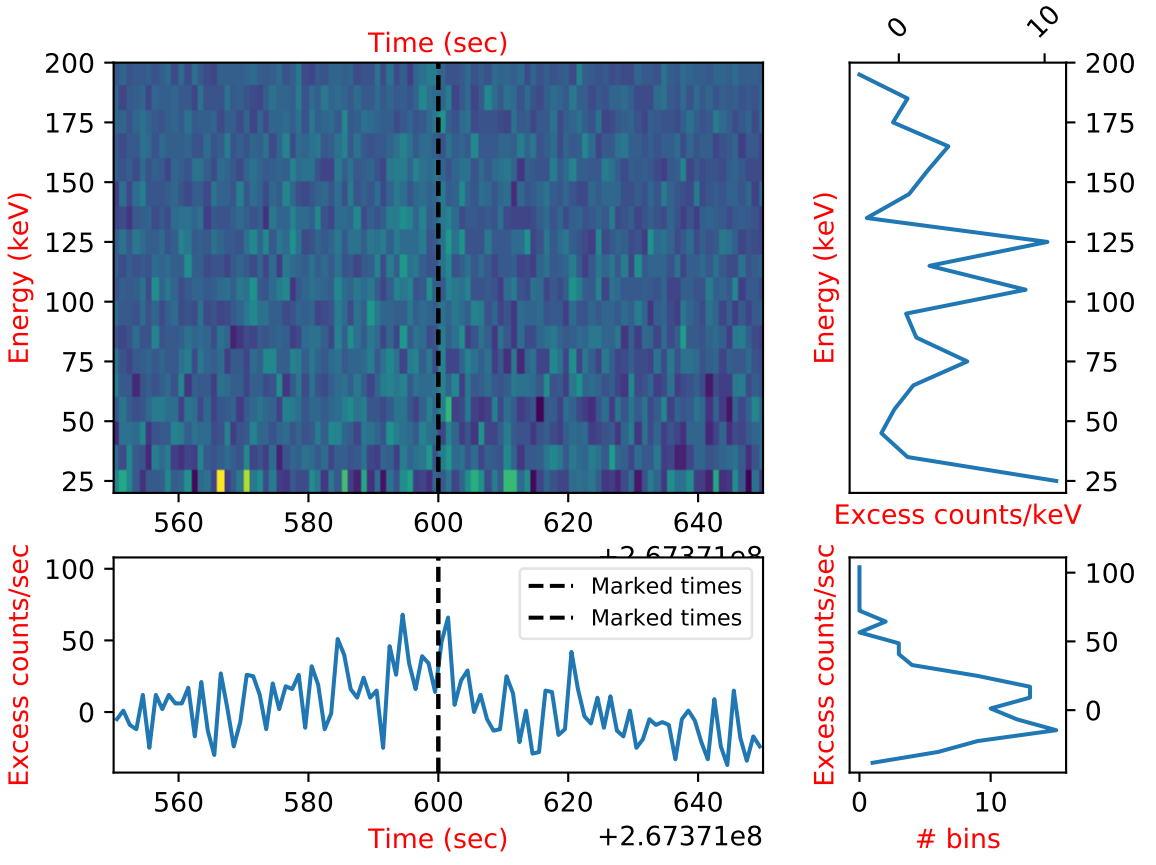

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
+2.67371e8
Counts/sec
300
250
200
150
Marked times
Marked times
Time (sec)
+2.67371e8
4 ×10^1
10^2
2 ×10^2
Energy (keV)
Counts/keV
Counts/sec
0
20
bins

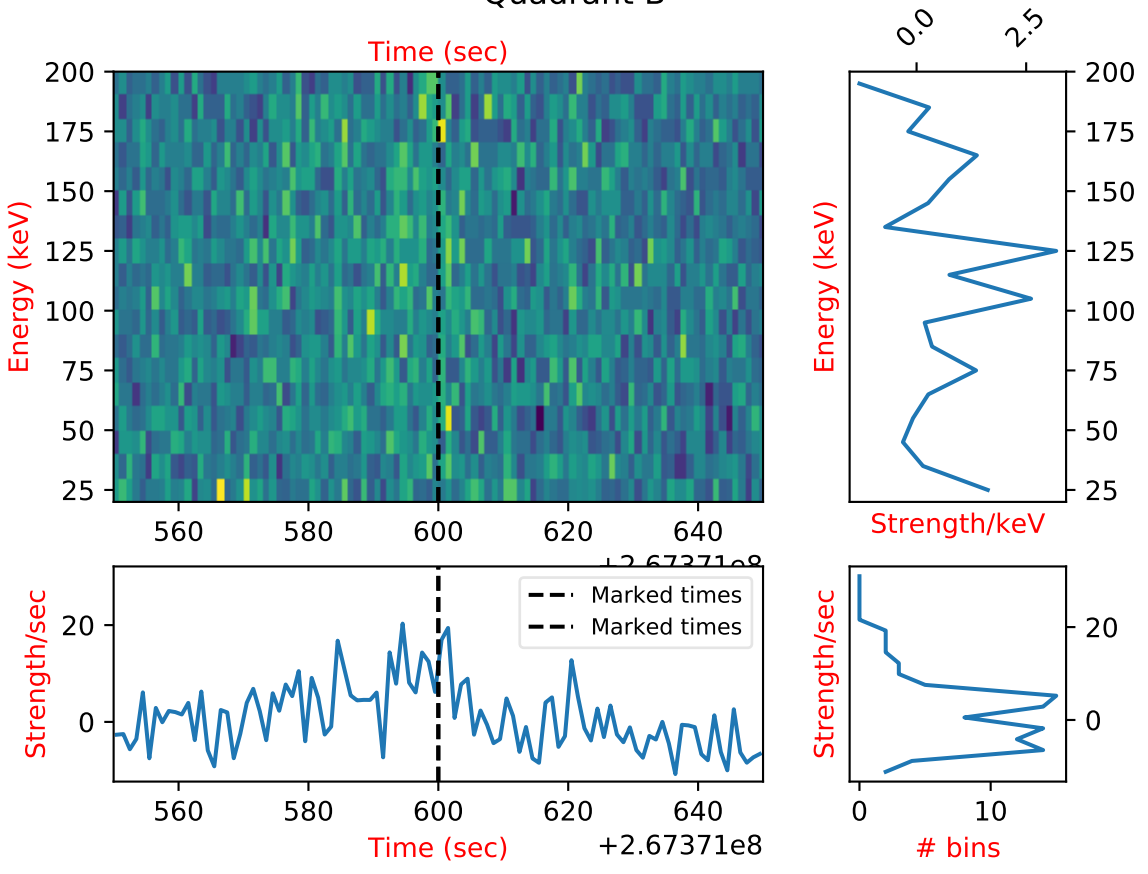

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
0
10
Excess counts/keV
Excess counts/sec
150
100
50
0
Marked times
Marked times
+2.67371e8
bins
20

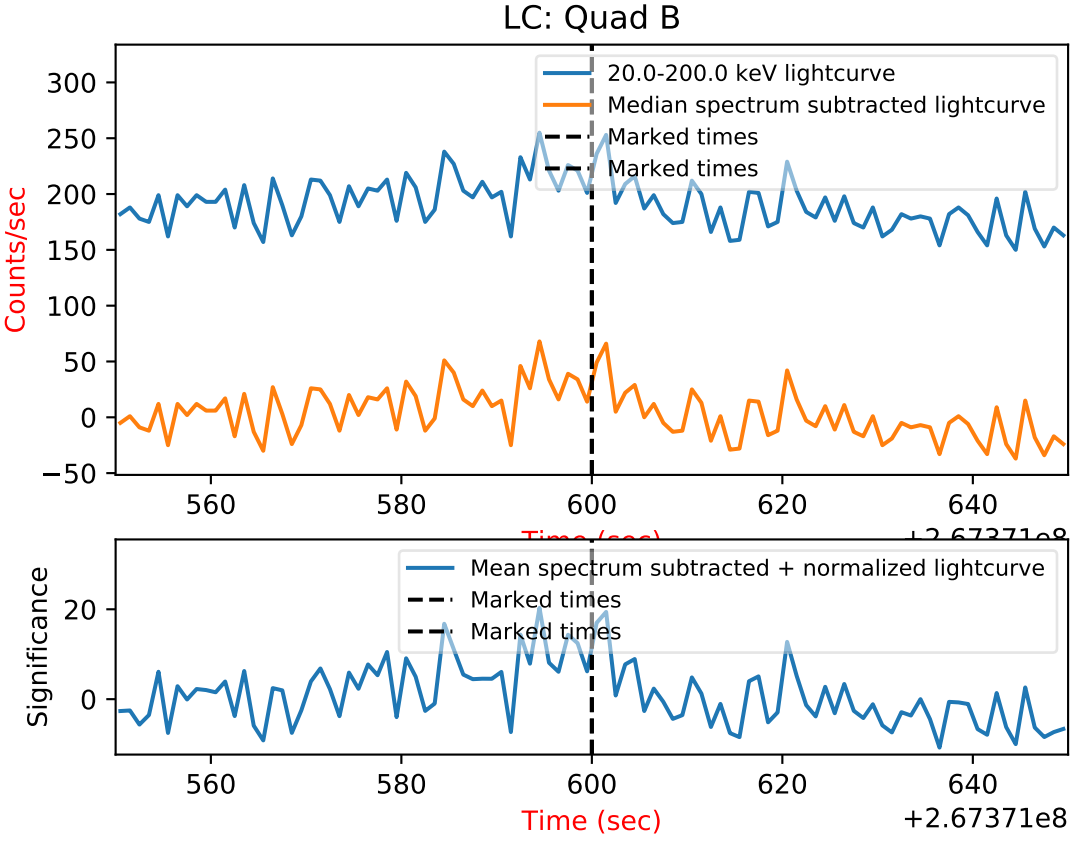

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
+2.67371e8
0.0
2.5
Strength/keV
Strength/sec
Marked times
Marked times
20
0
40
bins

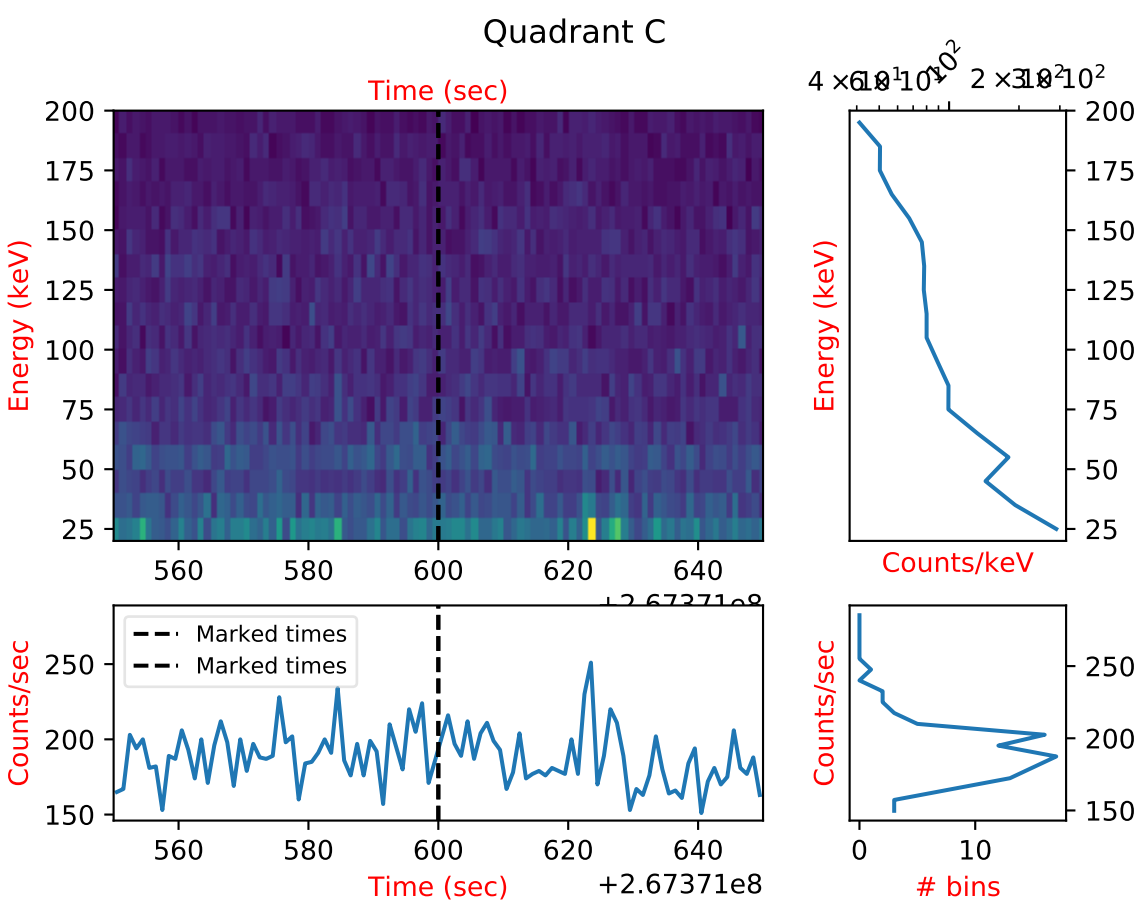

LC: Quad A
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
200
100
0
560
580
600
620
640
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
40
20
0
Time (sec)
+2.67371e8

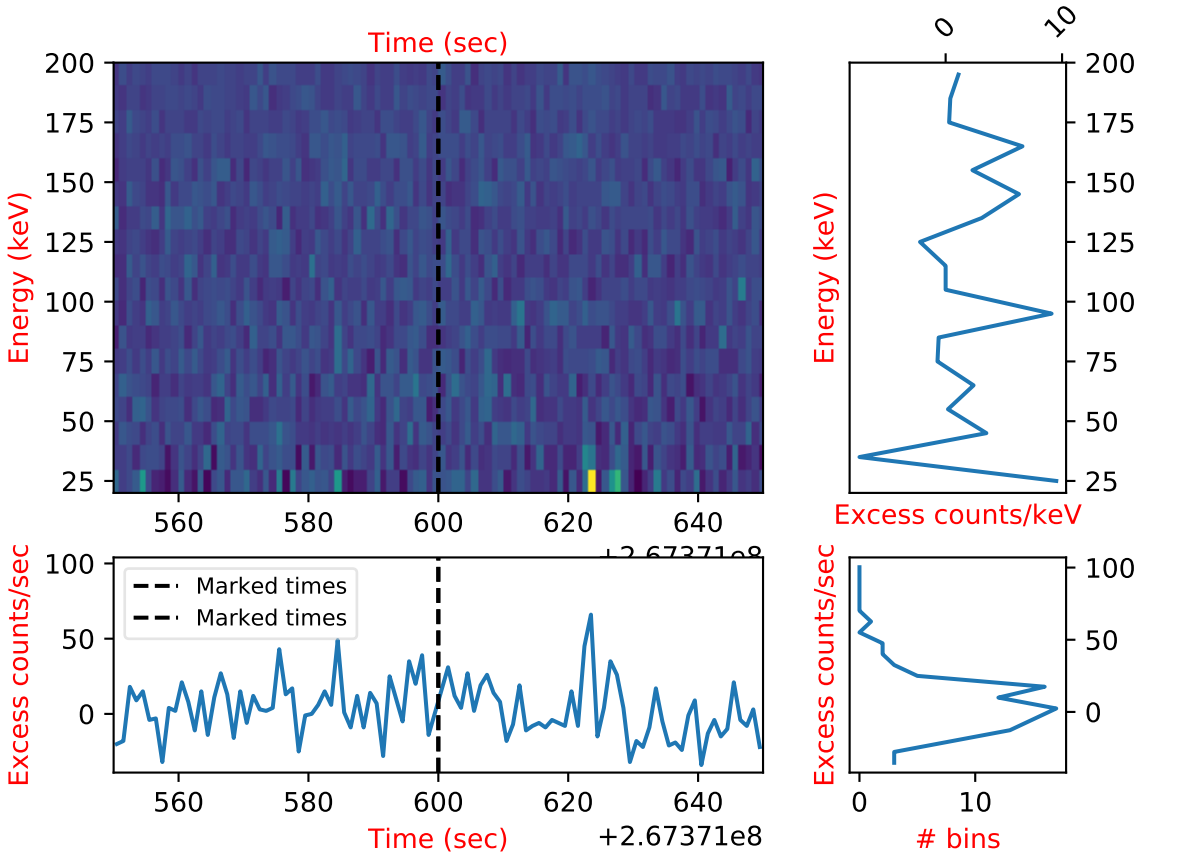

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
6×10^1
1×10^2
2×10^2
Counts/keV
Counts/sec
Marked times
Marked times
250
200
150
+2.67371e8
0
10
bins

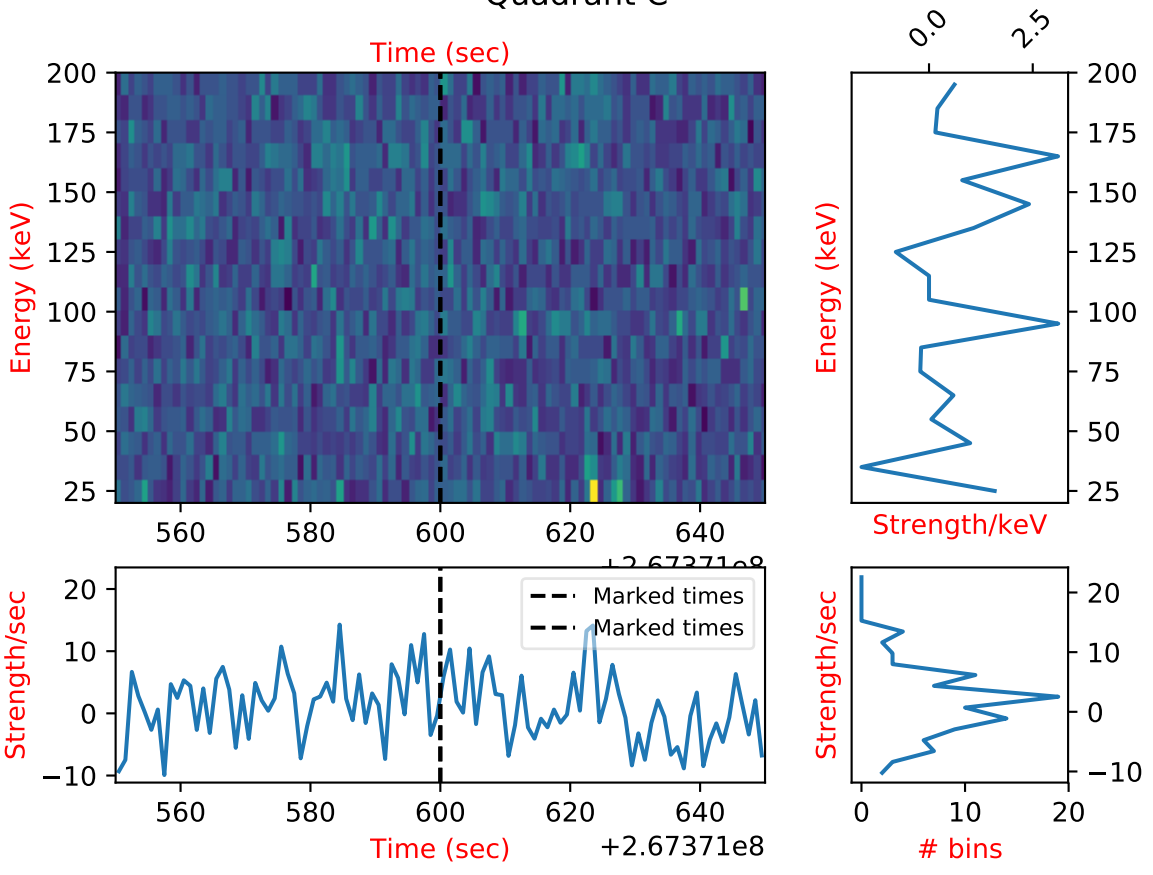

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
0
10
Excess counts/keV
Excess counts/sec
100
50
0
Marked times
Marked times
+2.67371e8
bins

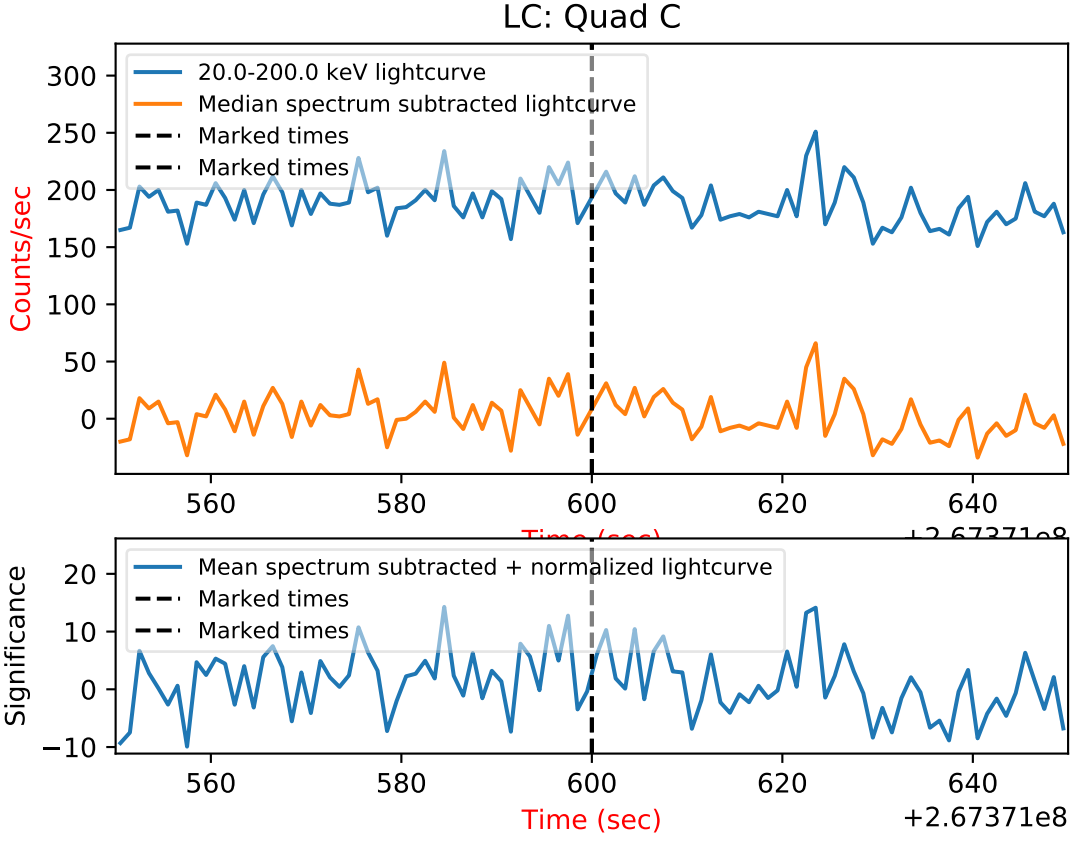

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
0.0
2.5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
+2.67371e8
10
bins

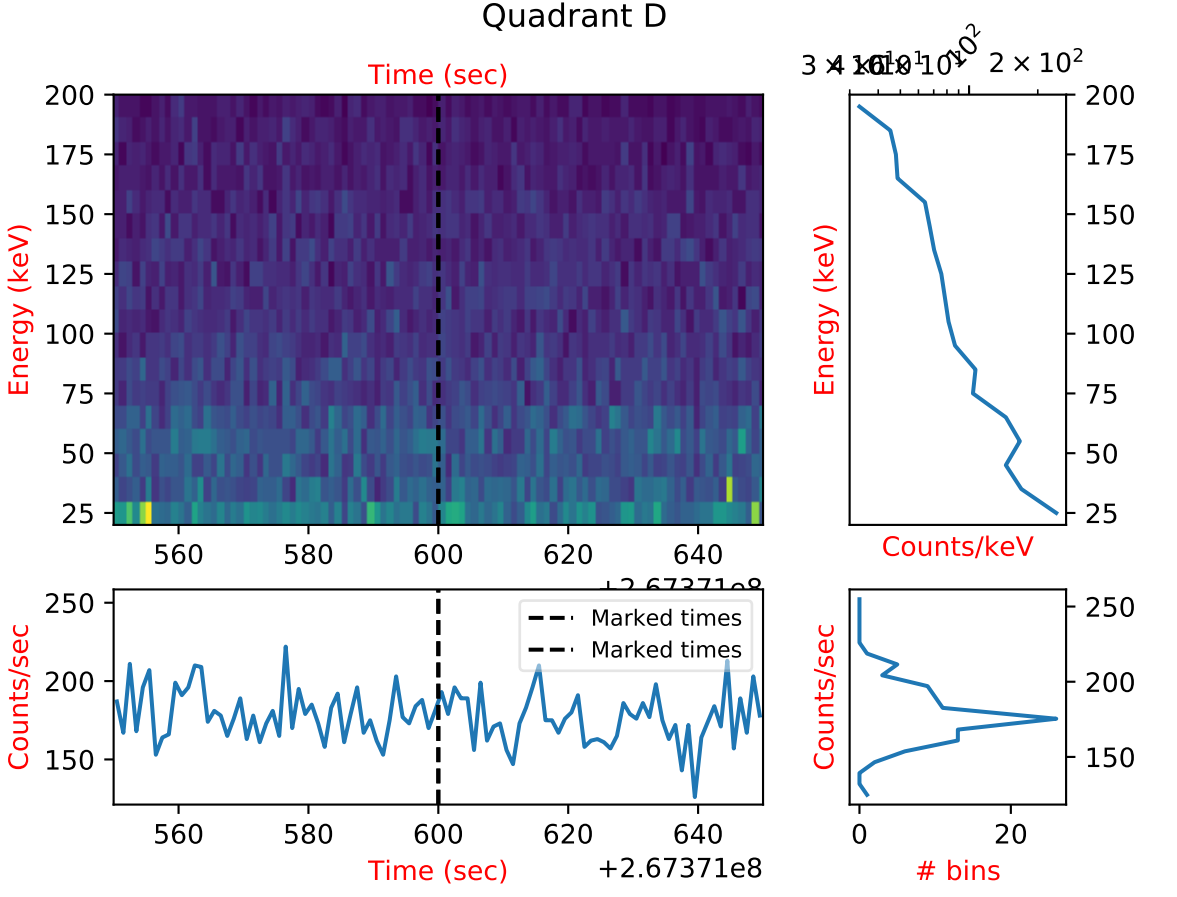

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
250
200
150
100
50
0
−50
560
580
600
620
640
+2.67371e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
560
580
600
620
640
Time (sec)
+2.67371e8

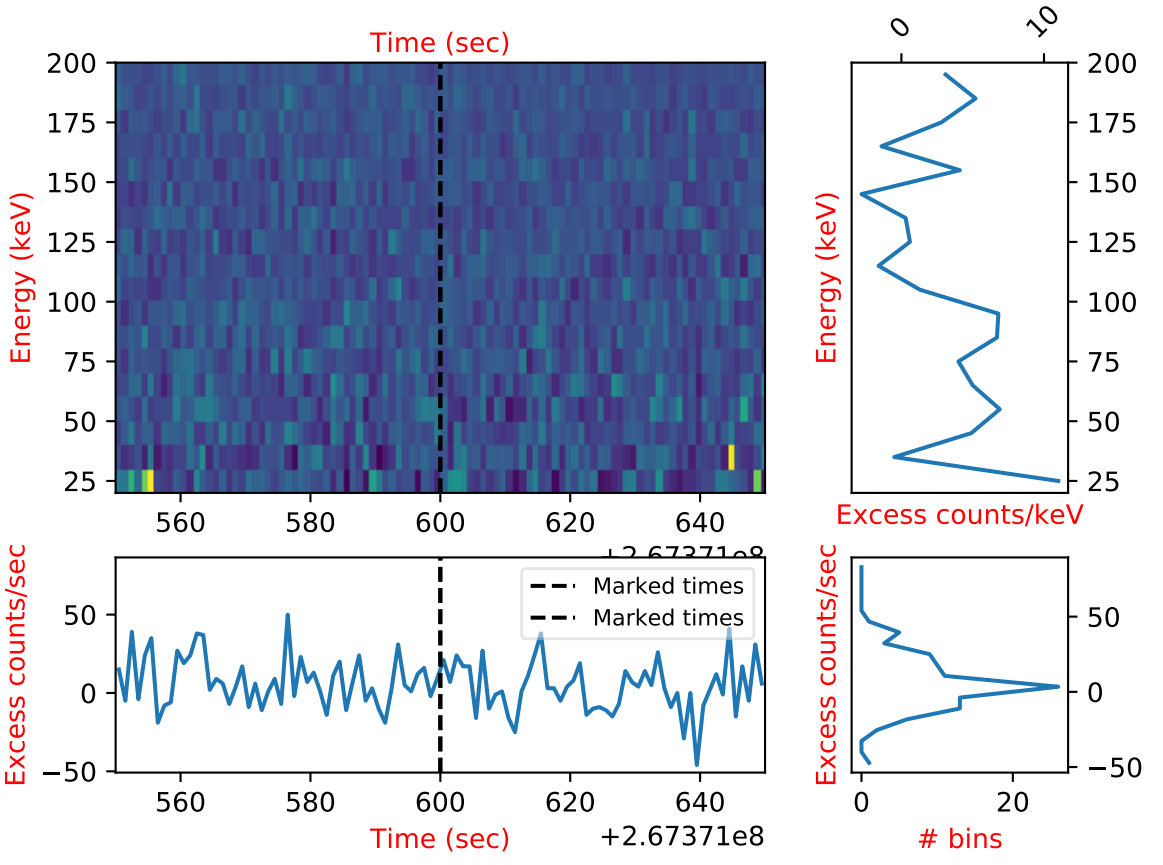

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
4 ×10^1
2 ×10^2
Counts/keV
Marked times
Marked times
Counts/sec
250
200
150
+2.67371e8
0
10
bins

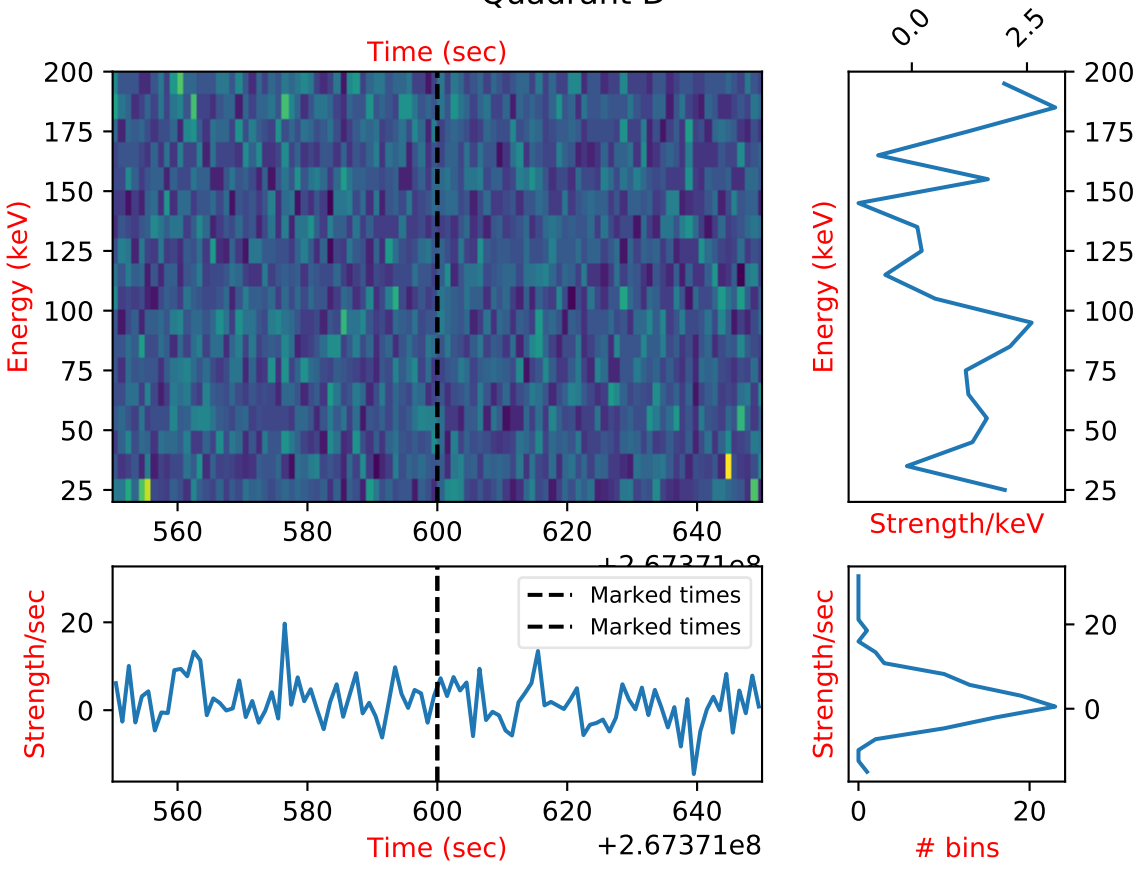

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
+2.67371e8
bins

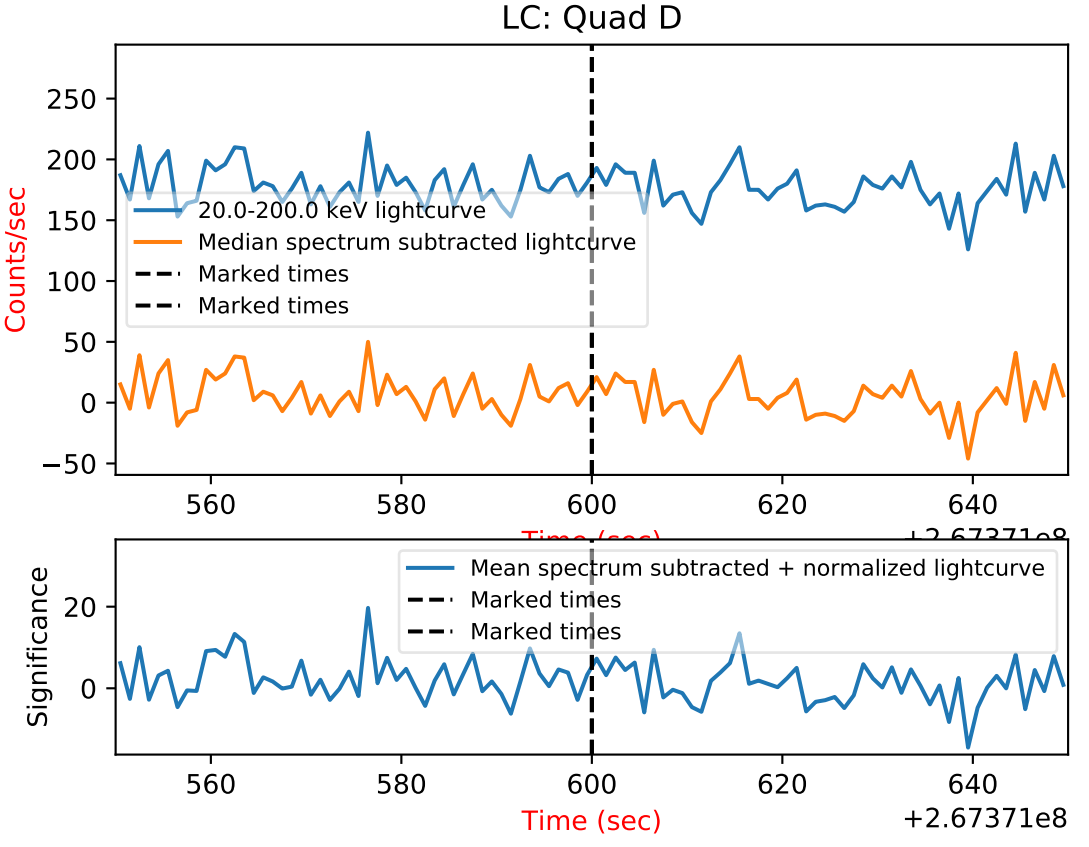

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
0.0
2.5
Strength/keV
Strength/sec
20
10
0
−10
Marked times
Marked times
+2.67371e8
bins

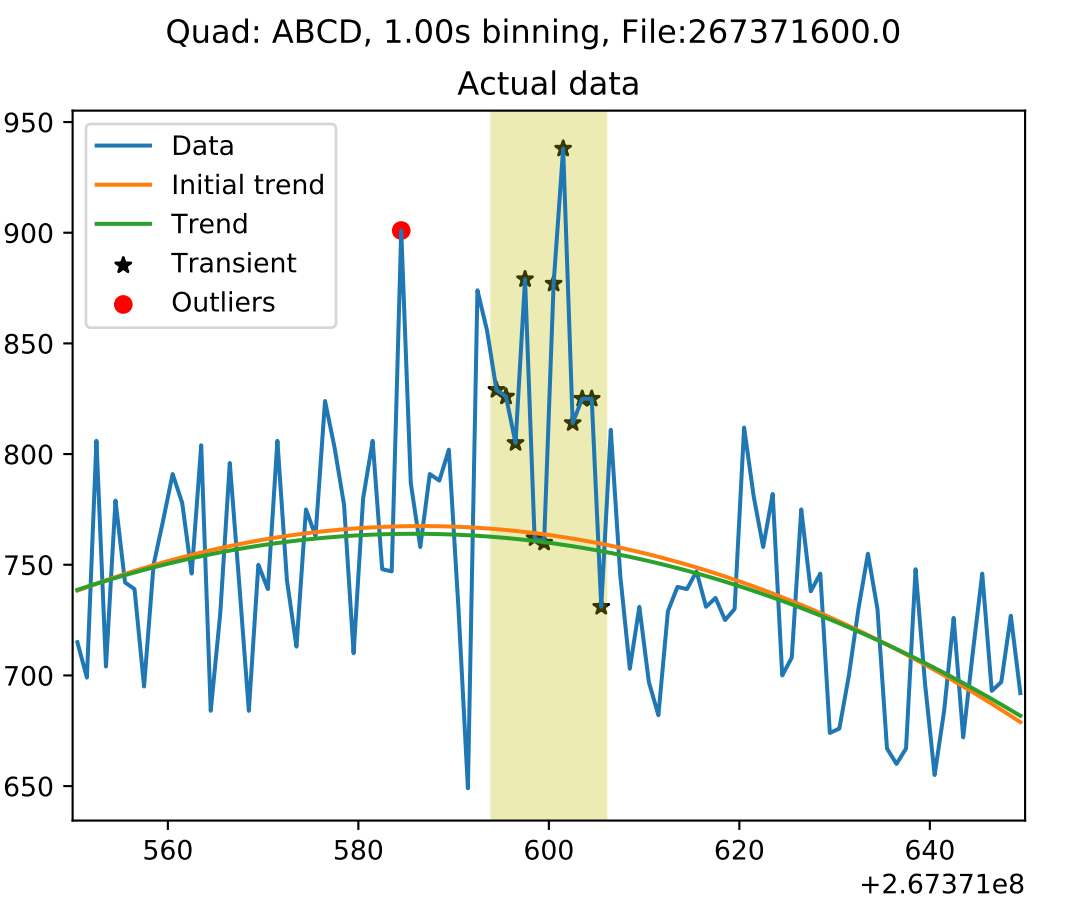

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
250
200
150
100
50
0
560
580
600
620
640
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
10
0
−10
560
580
600
620
640
Time (sec)
+2.67371e8

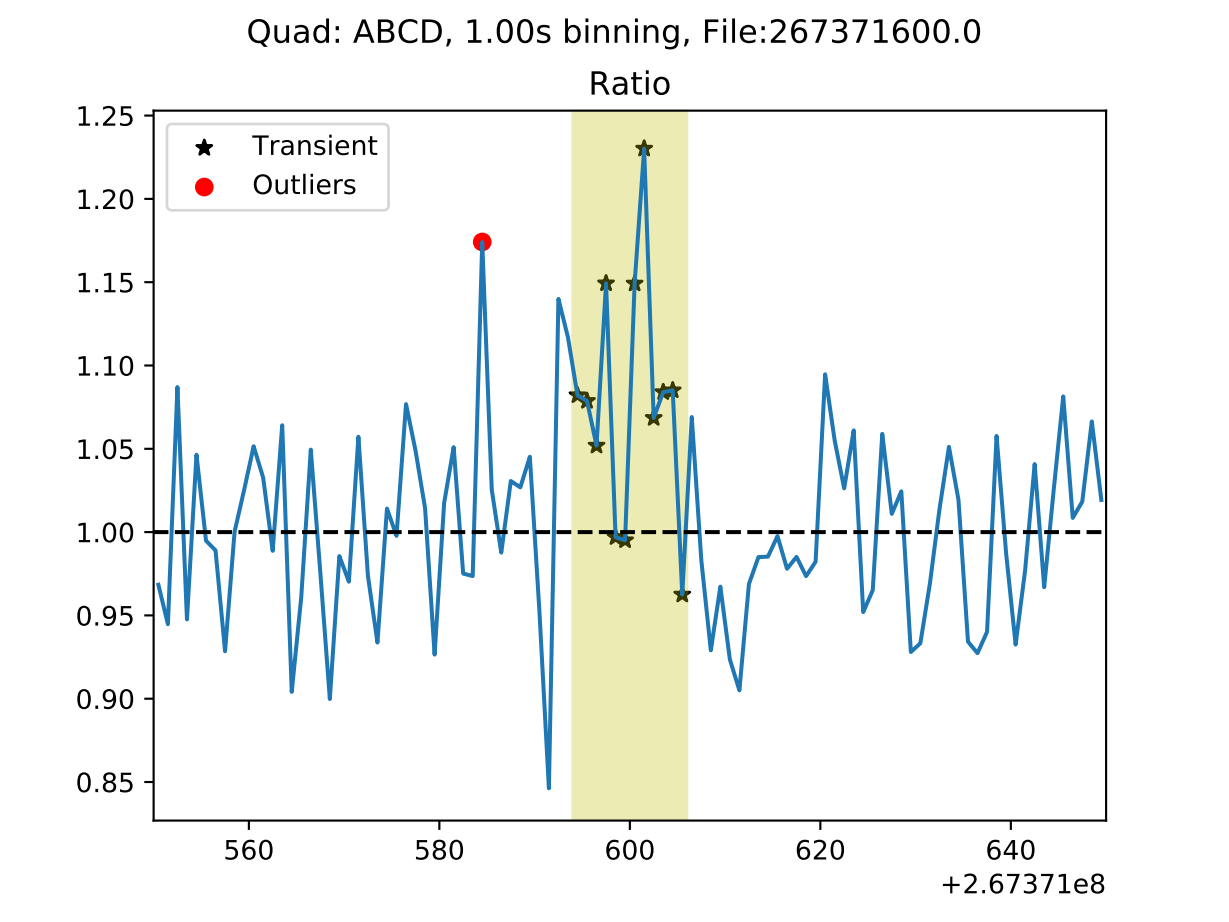

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
Counts/keV
Counts/sec
250
200
150
Marked times
Marked times
+2.67371e8
0
20
bins

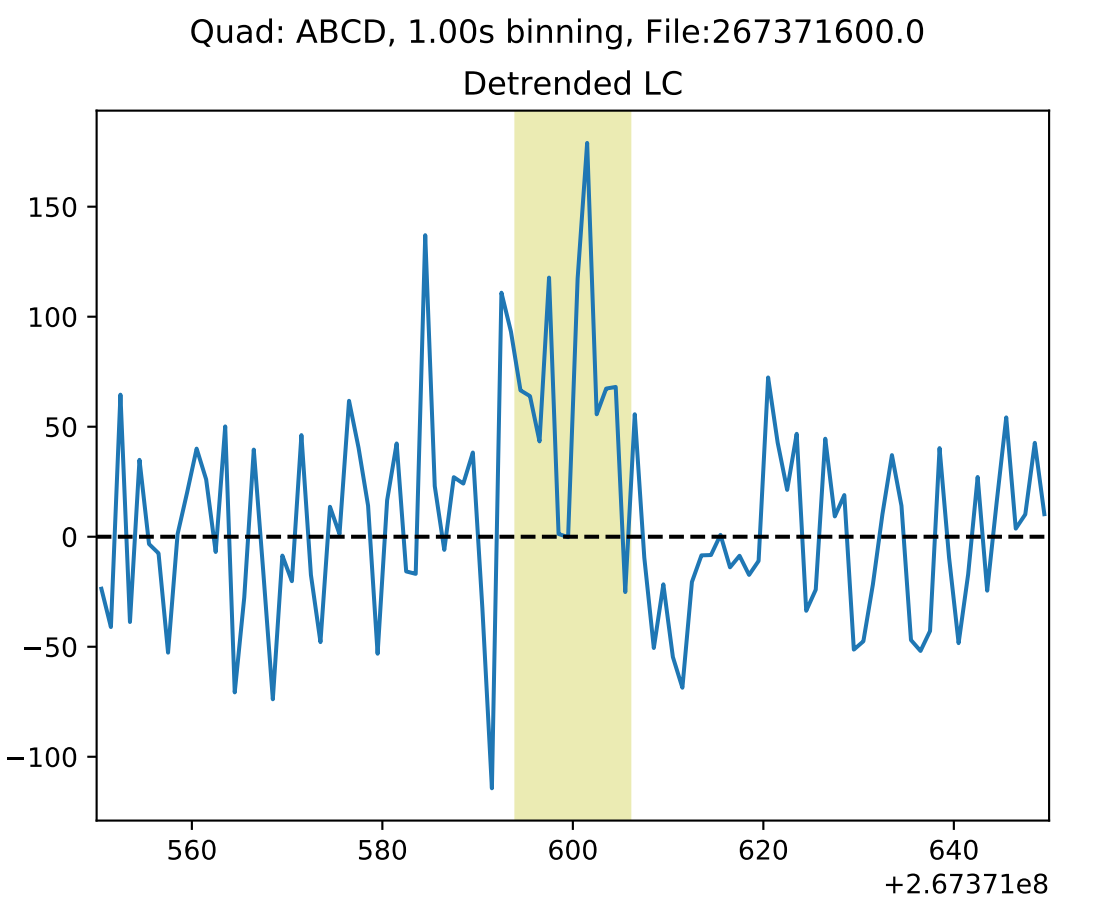

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
−50
+2.67371e8
bins
20

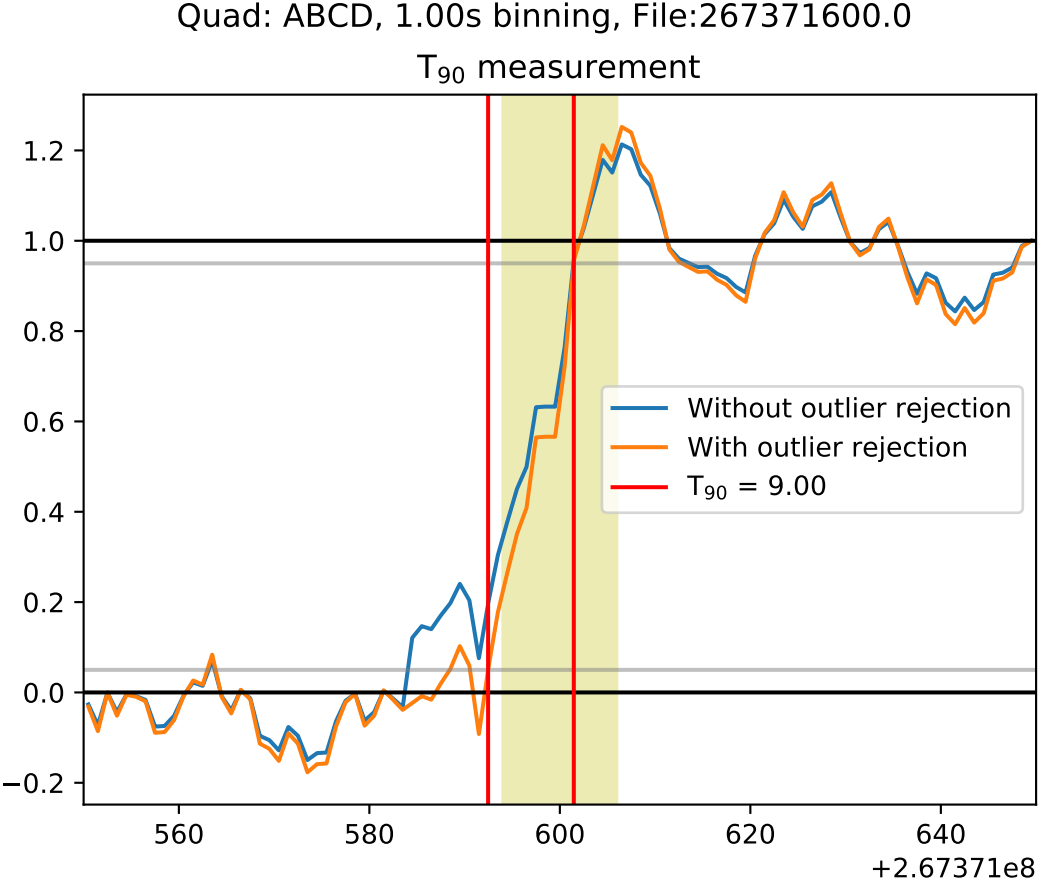

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
560
580
600
620
640
0.0
2.5
Strength/keV
Strength/sec
20
0
Marked times
Marked times
+2.67371e8
bins

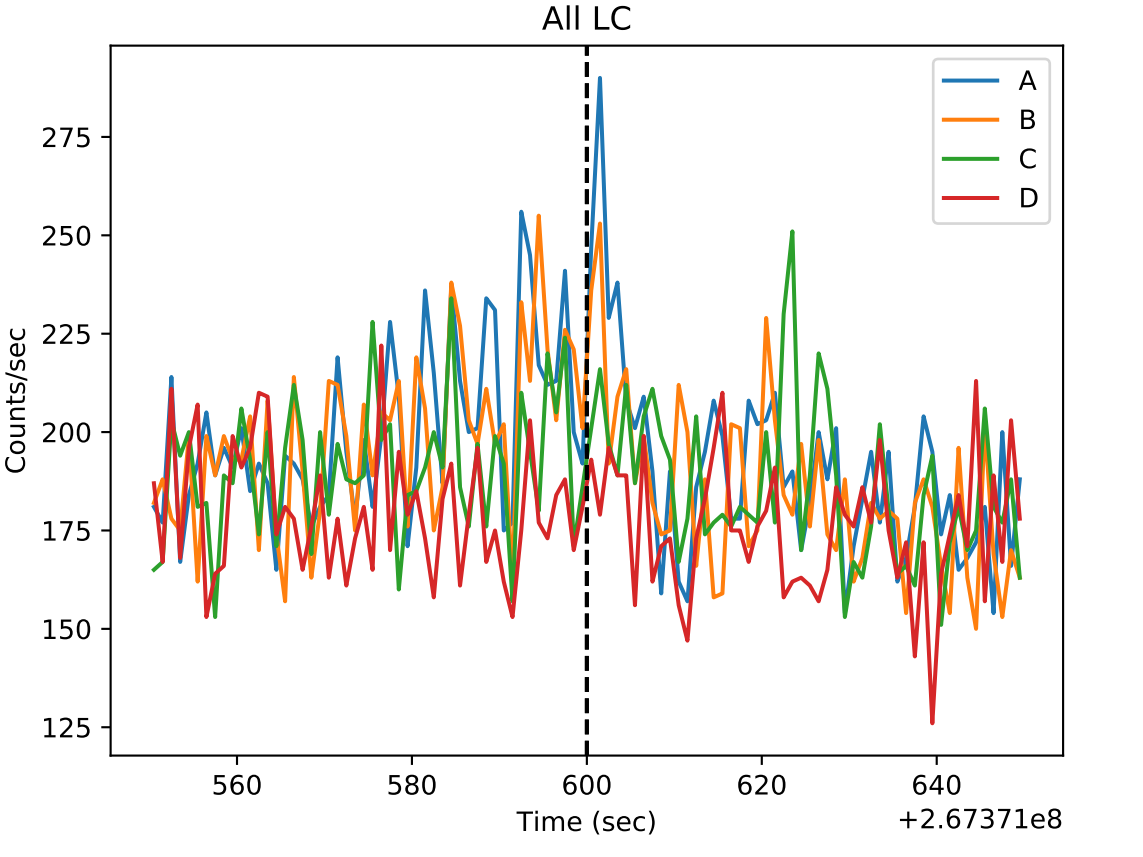

LC: Quad D
Counts/sec
250
200
150
100
50
0
−50
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
560
580
600
620
640
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+2.67371e8


Quad: ABCD, 1.00s binning, File:267371600.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
950
900
850
800
750
700
650
560
580
600
620
640
+2.67371e8


Quad: ABCD, 1.00s binning, File:267371600.0
Ratio
Transient
Outliers
1.25
1.20
1.15
1.10
1.05
1.00
0.95
0.90
0.85
560
580
600
620
640
+2.67371e8


Quad: ABCD, 1.00s binning, File:267371600.0
Detrended LC
150
100
50
0
−50
−100
560
580
600
620
640
+2.67371e8


Quad: ABCD, 1.00s binning, File:267371600.0
T90 measurement
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
560
580
600
620
640
+2.67371e8
Without outlier rejection
With outlier rejection
T90 = 9.00


All LC
A
B
C
D
275
250
225
200
175
150
125
Counts/sec
560
580
600
620
640
Time (sec)
+2.67371e8