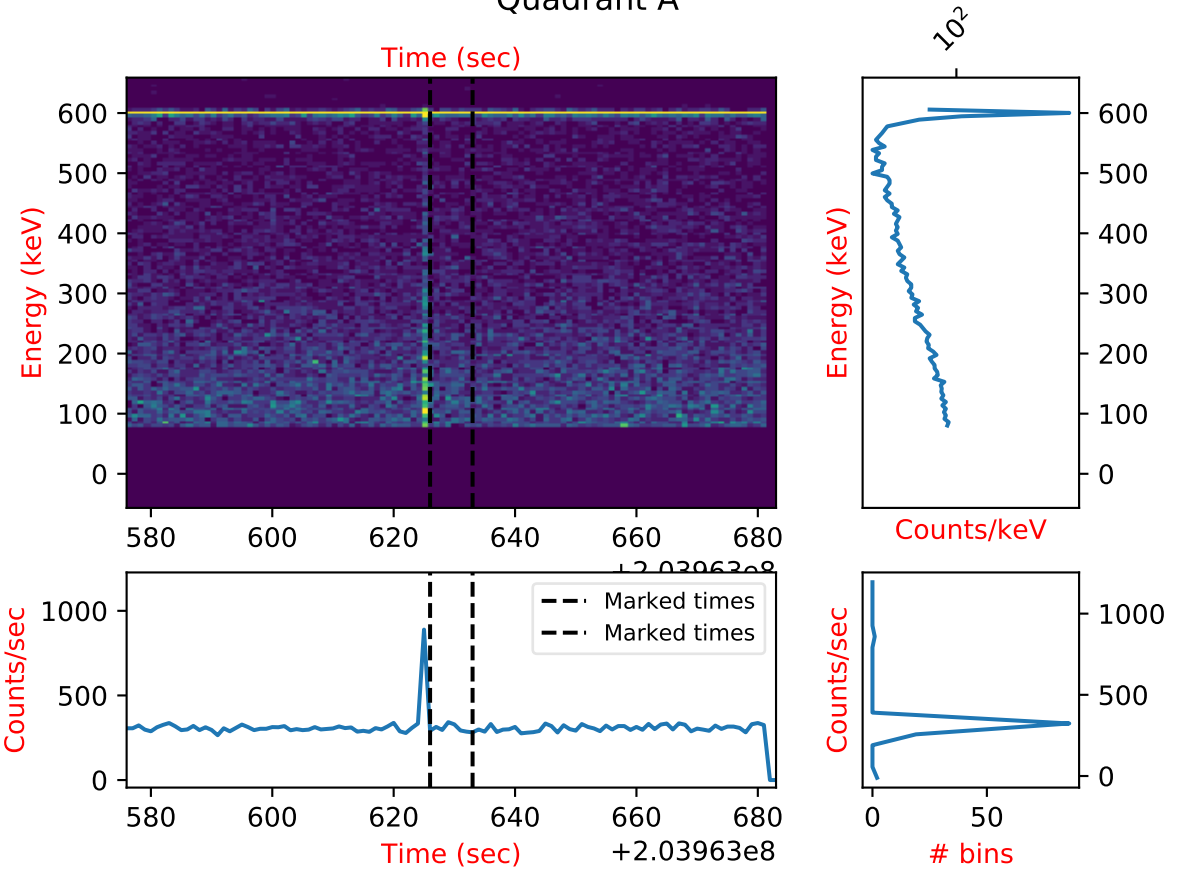
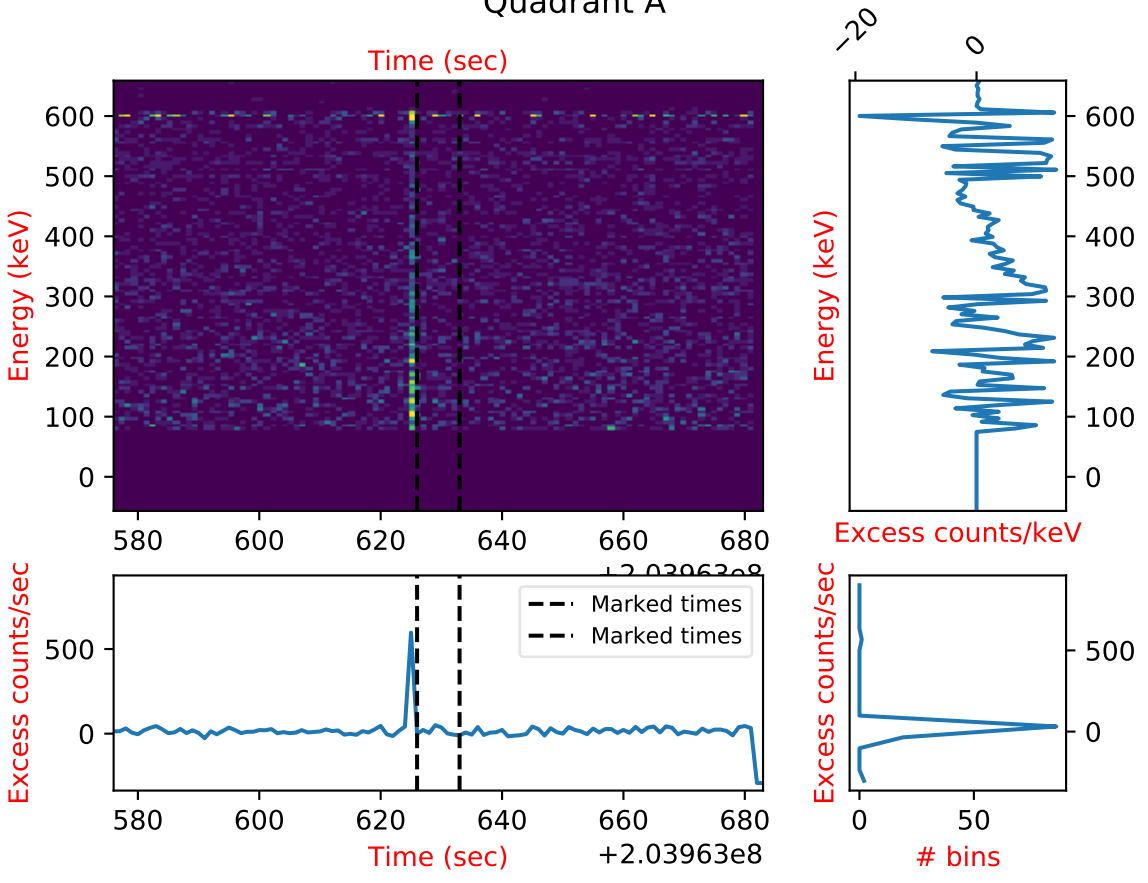
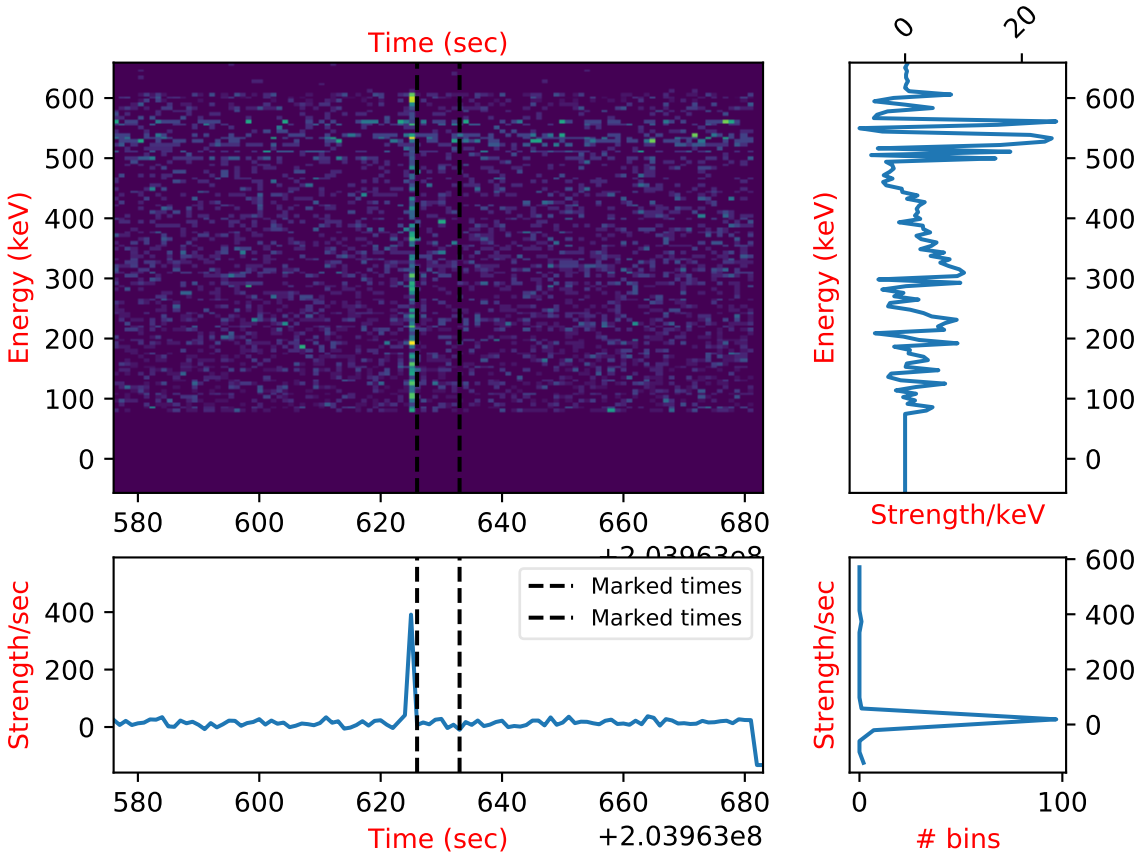
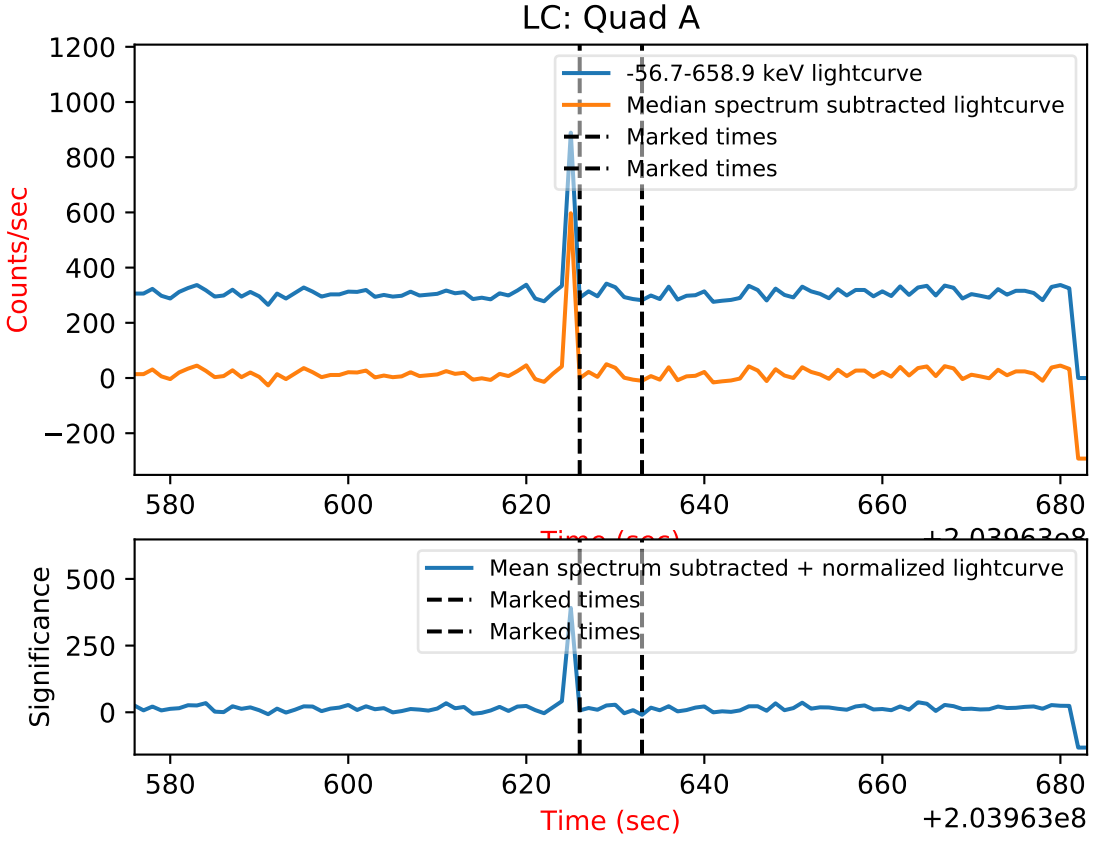
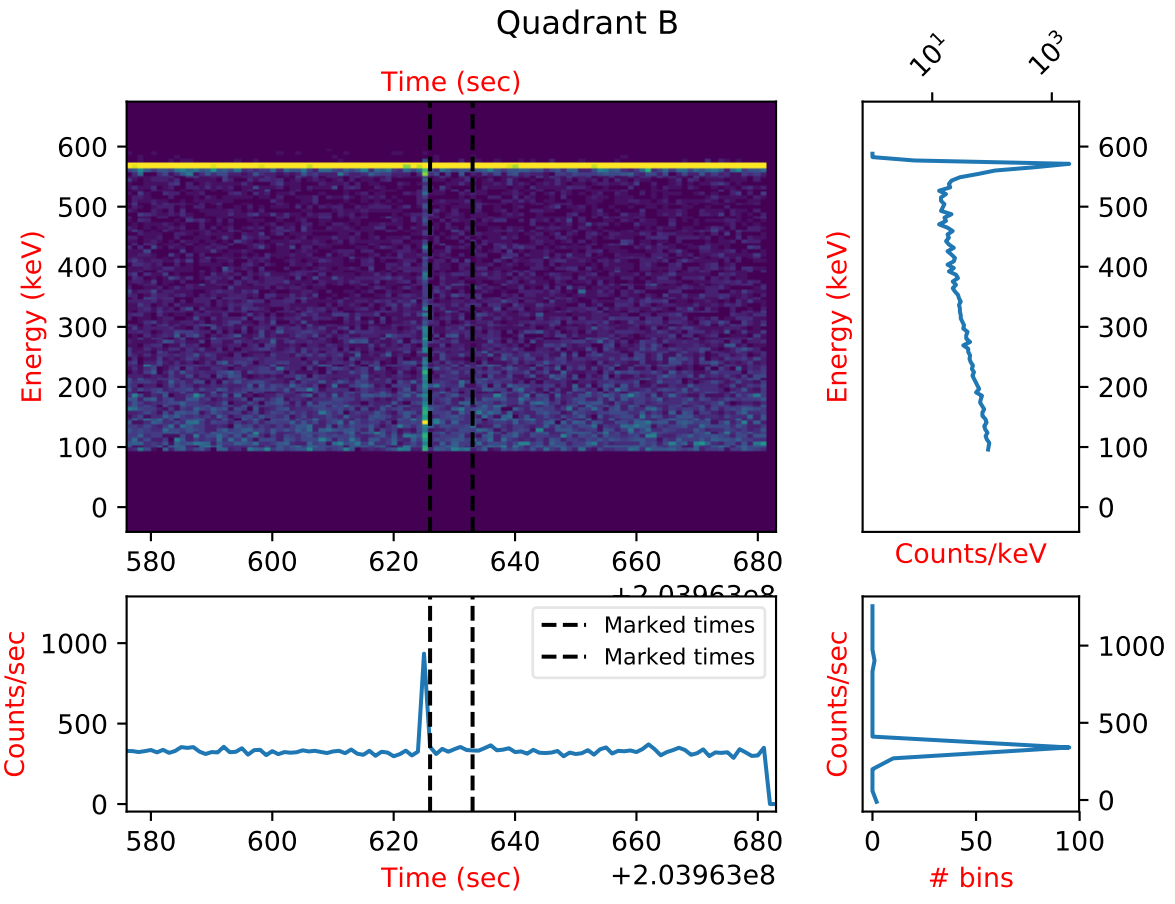
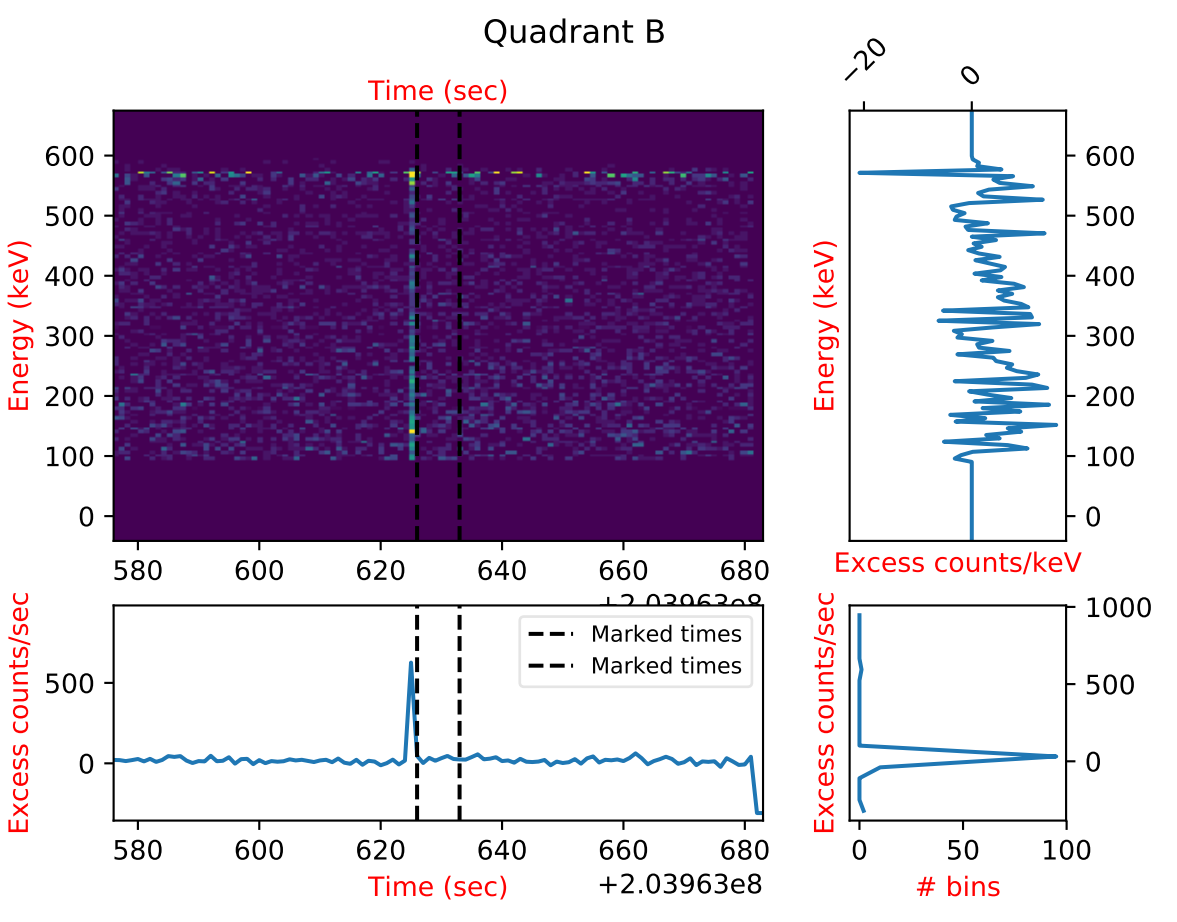

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
580
600
620
640
660
680
10^2
Counts/keV
Counts/sec
1000
500
0
Marked times
Marked times
+2.03963e8
50
bins

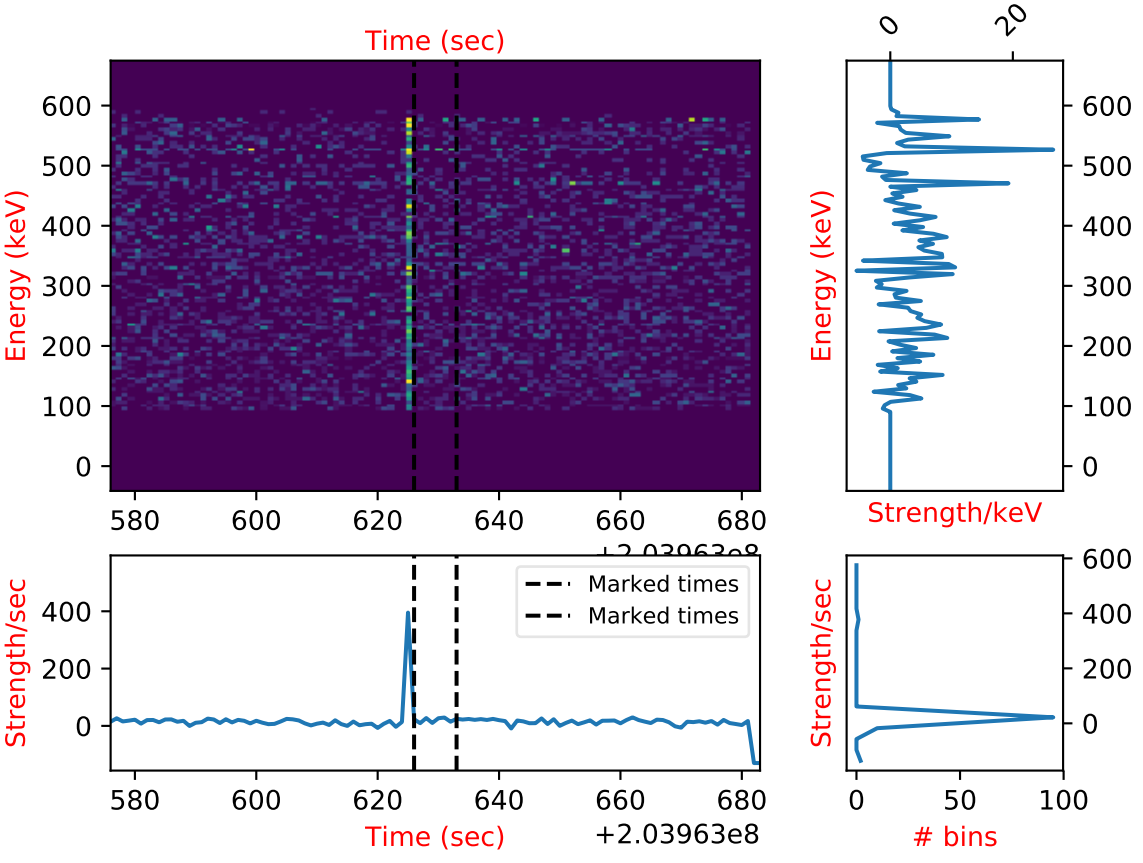

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
580
600
620
640
660
680
−20
0
Excess counts/keV
Excess counts/sec
Marked times
Marked times
500
0
+2.03963e8
50
bins

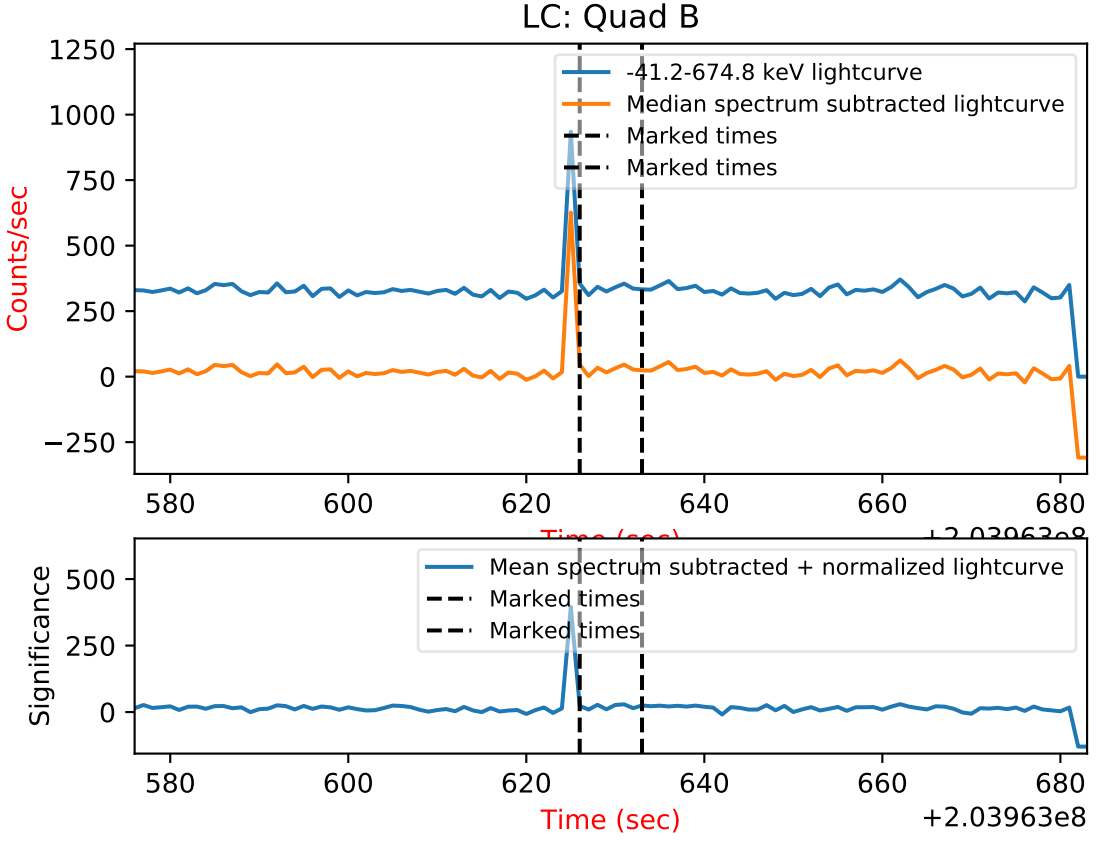

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
580
600
620
640
660
680
0
20
Strength/keV
Strength/sec
Marked times
Marked times
400
200
0
+2.03963e8
bins
100

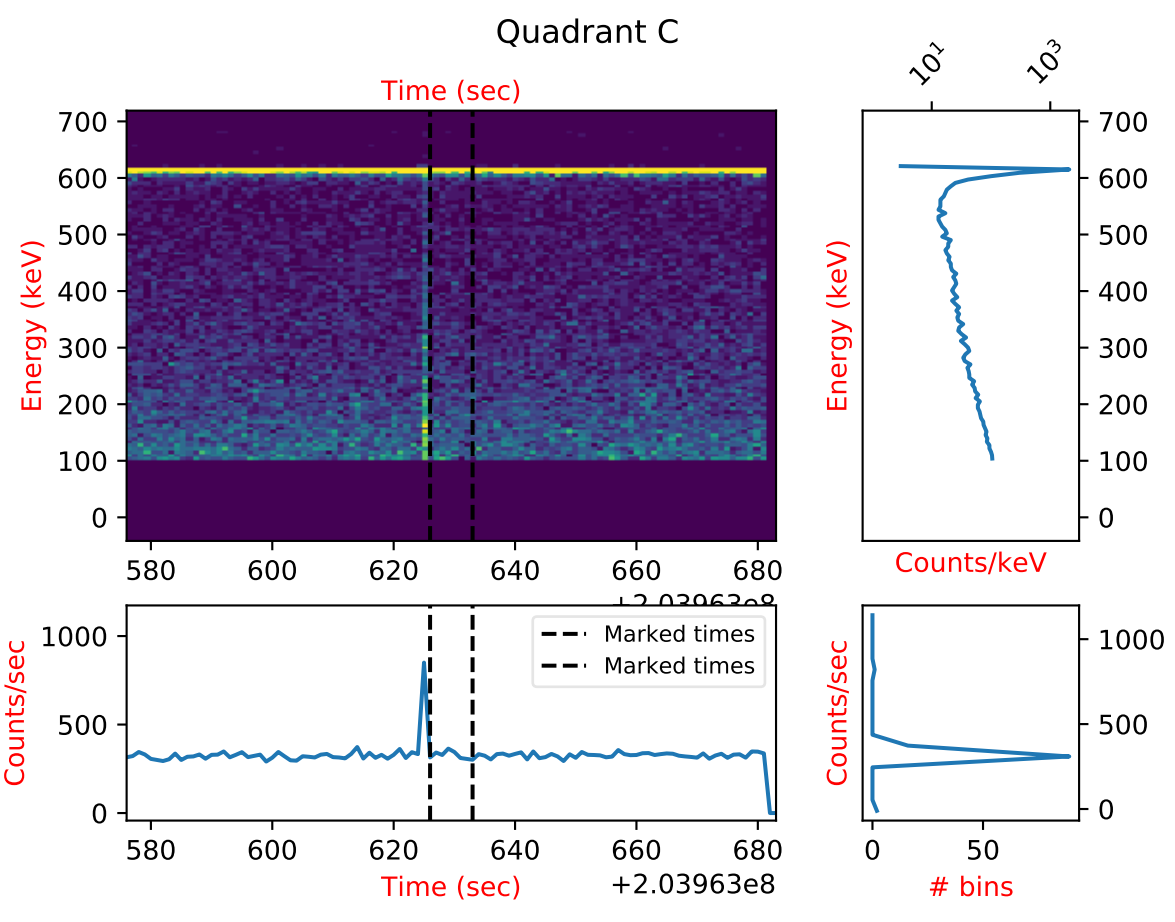

LC: Quad A
-56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1200
1000
800
600
400
200
0
−200
580
600
620
640
660
680
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
500
250
0
Time (sec)
+2.03963e8

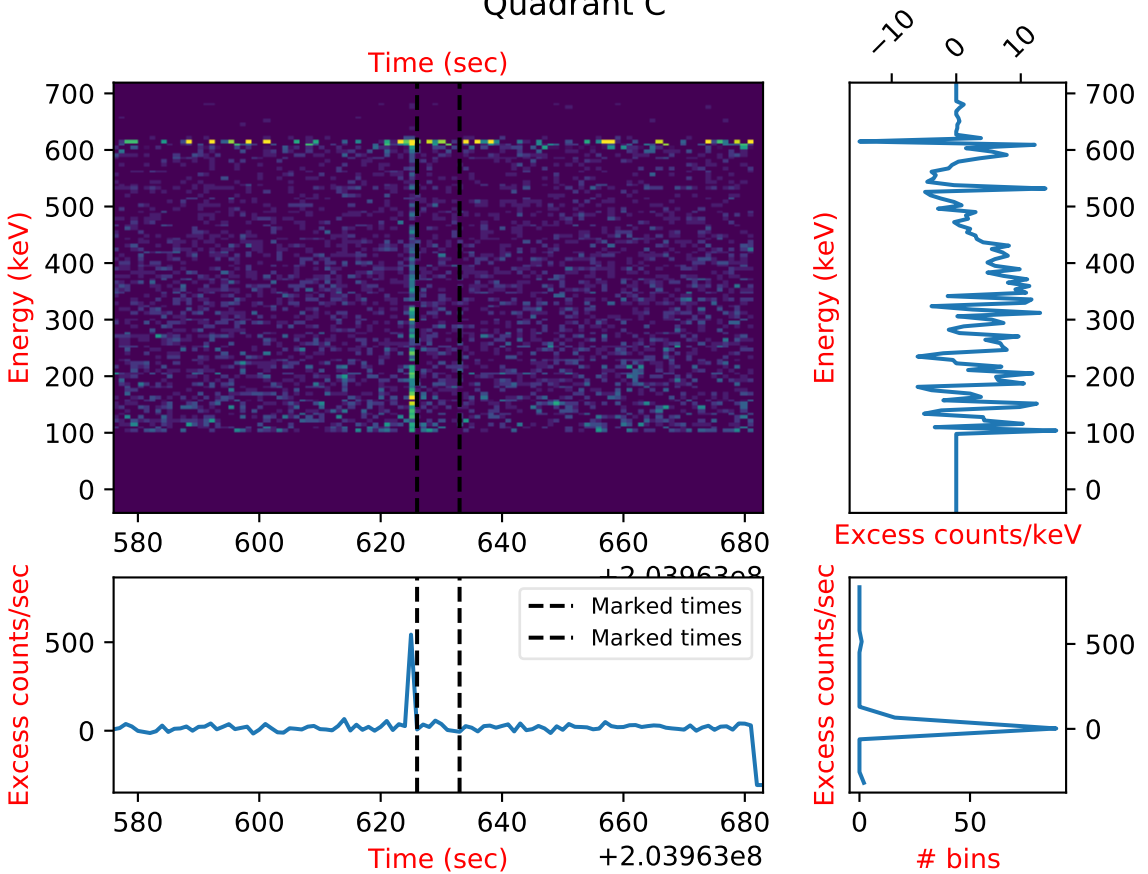

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
580
600
620
640
660
680
10^1
10^3
Counts/keV
Counts/sec
1000
500
Marked times
Marked times
+2.03963e8
bins
50
100

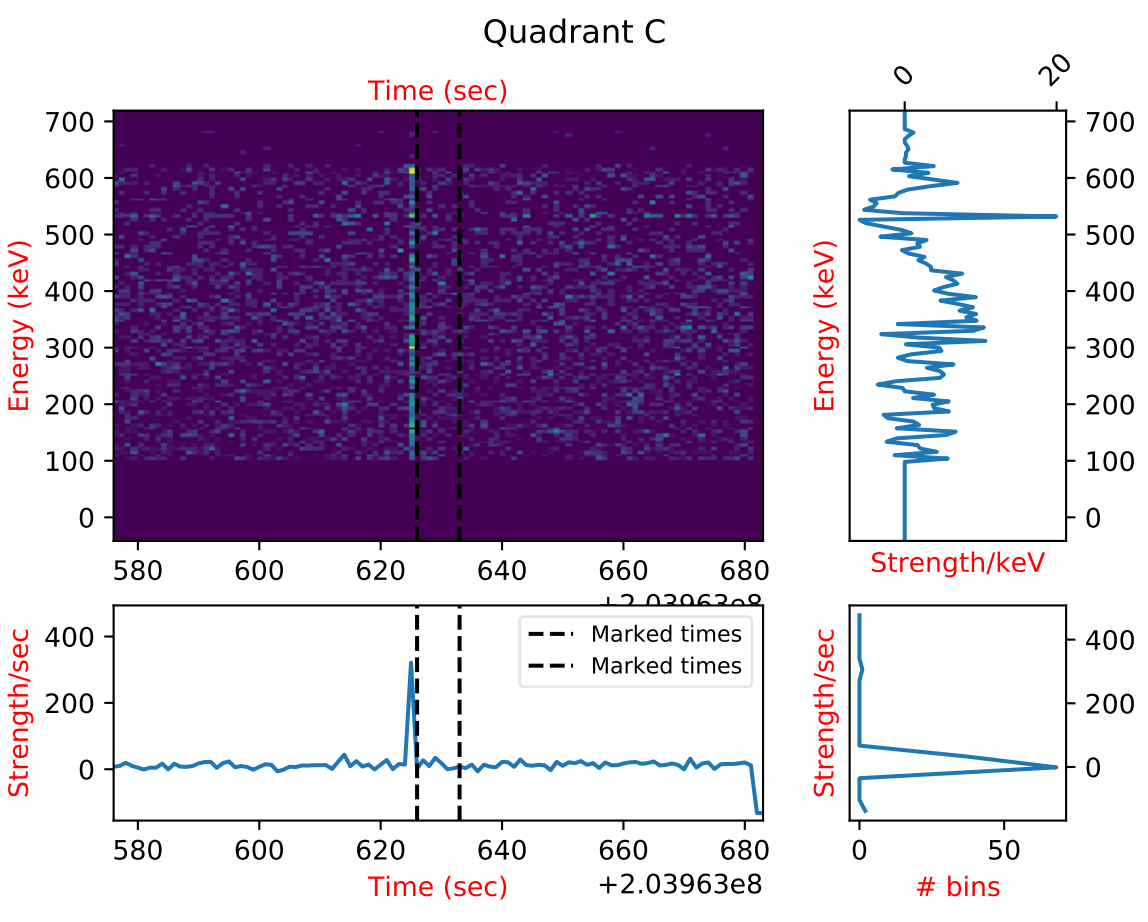

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
580
600
620
640
660
680
−20
0
Excess counts/keV
Excess counts/sec
Marked times
Marked times
1000
500
0
+2.03963e8
bins
50
100

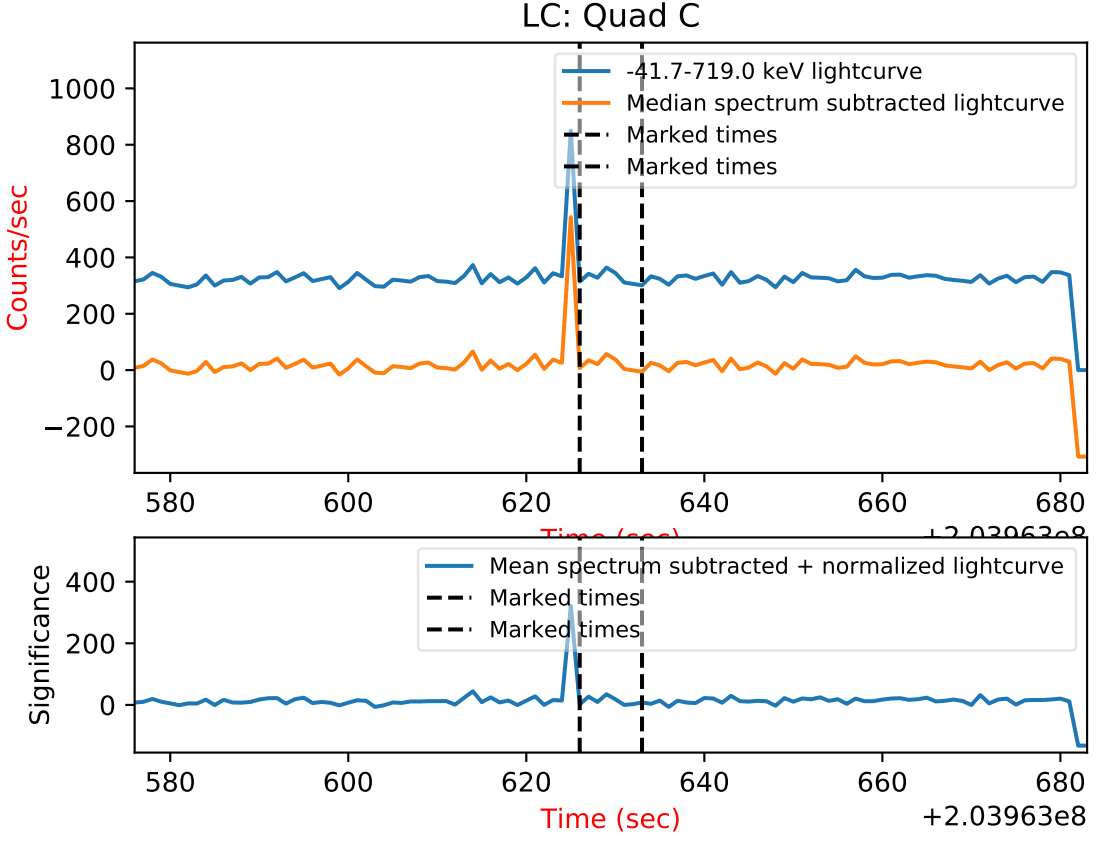

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
580
600
620
640
660
680
0
20
Strength/keV
Strength/sec
Marked times
Marked times
+2.03963e8
bins
50
100

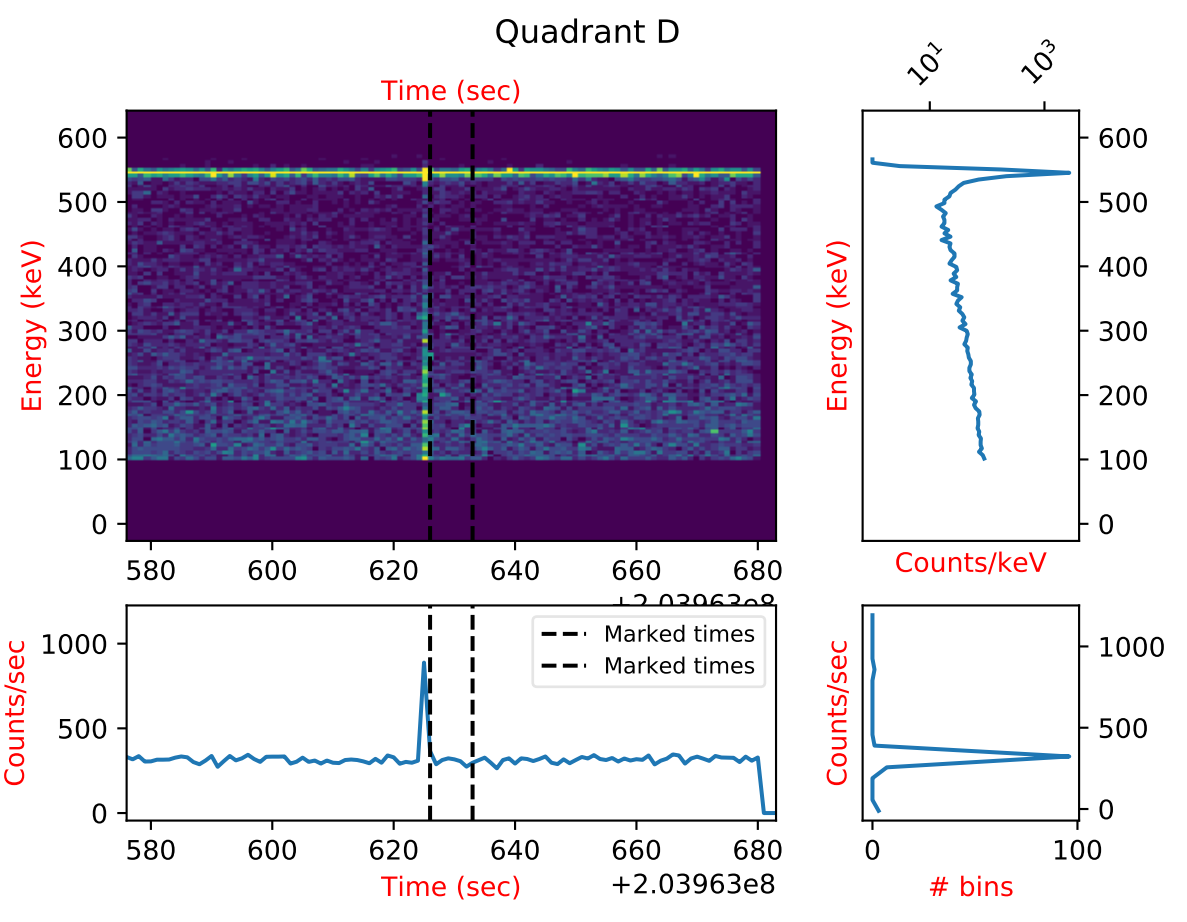

LC: Quad B
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1250
1000
750
500
250
0
−250
580
600
620
640
660
680
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
500
250
0
Time (sec)
+2.03963e8

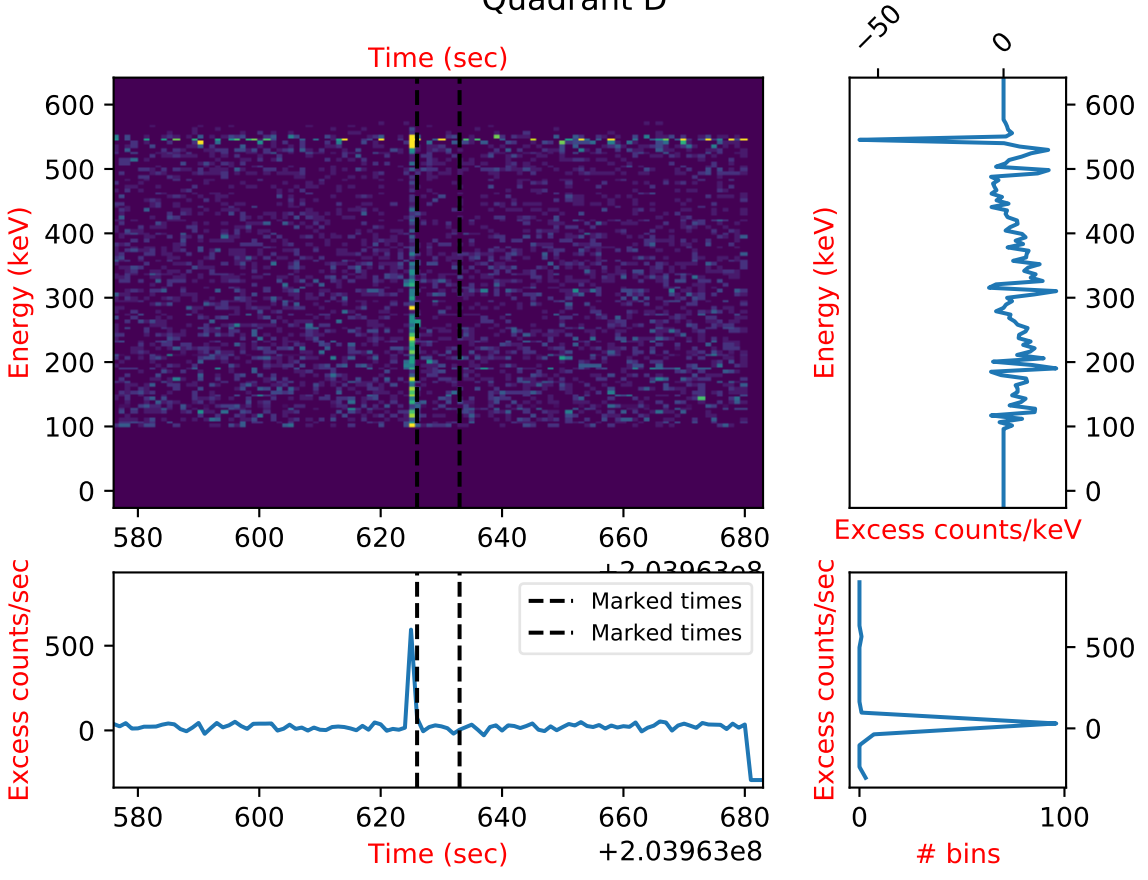

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
580
600
620
640
660
680
10^1
10^3
Counts/keV
Counts/sec
1000
500
Marked times
Marked times
+2.03963e8
bins
50

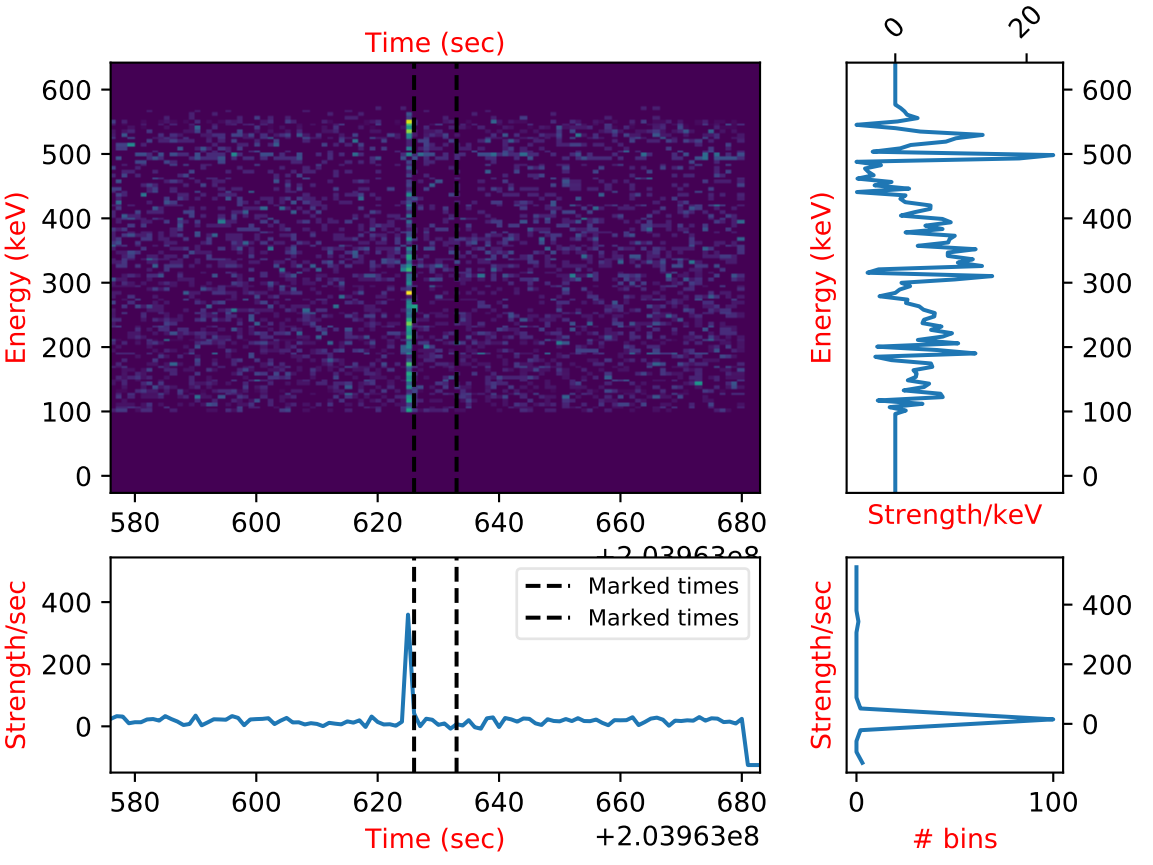

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
580
600
620
640
660
680
−10
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
500
0
+2.03963e8
bins
50

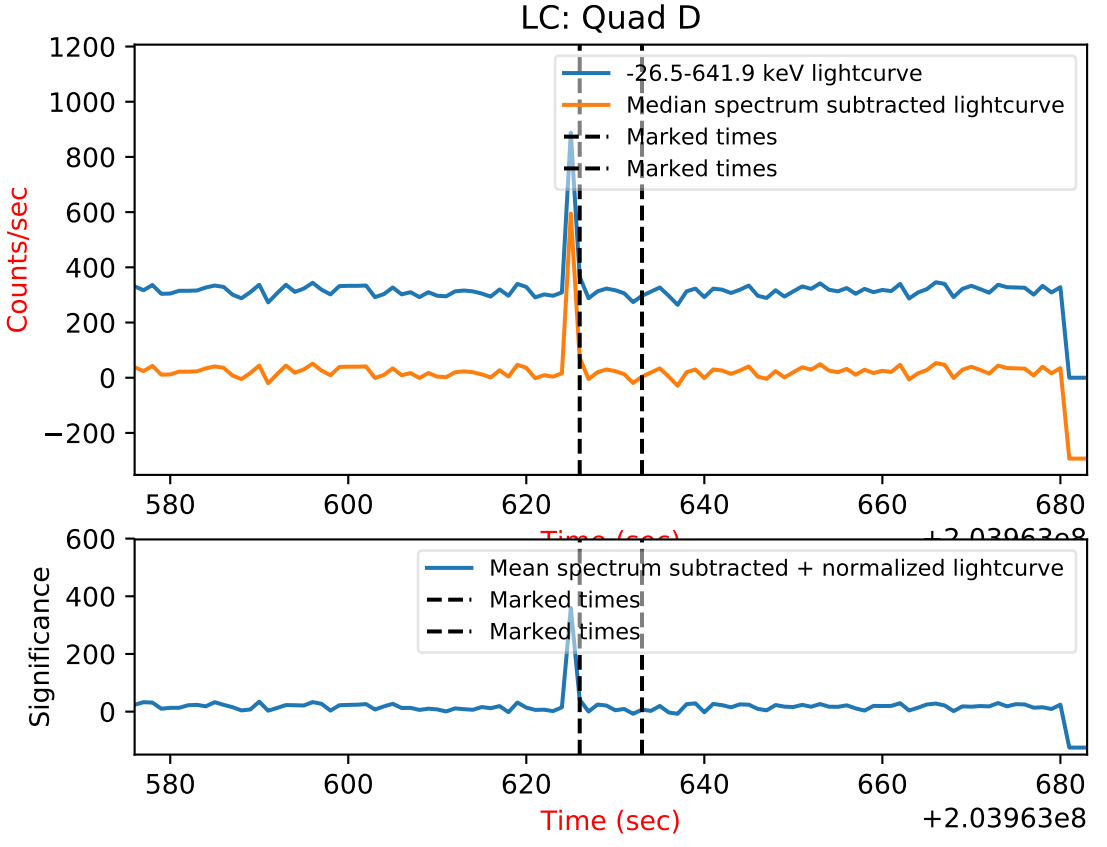

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
580
600
620
640
660
680
0
20
Strength/keV
Strength/sec
Marked times
Marked times
400
200
0
+2.03963e8
50
bins

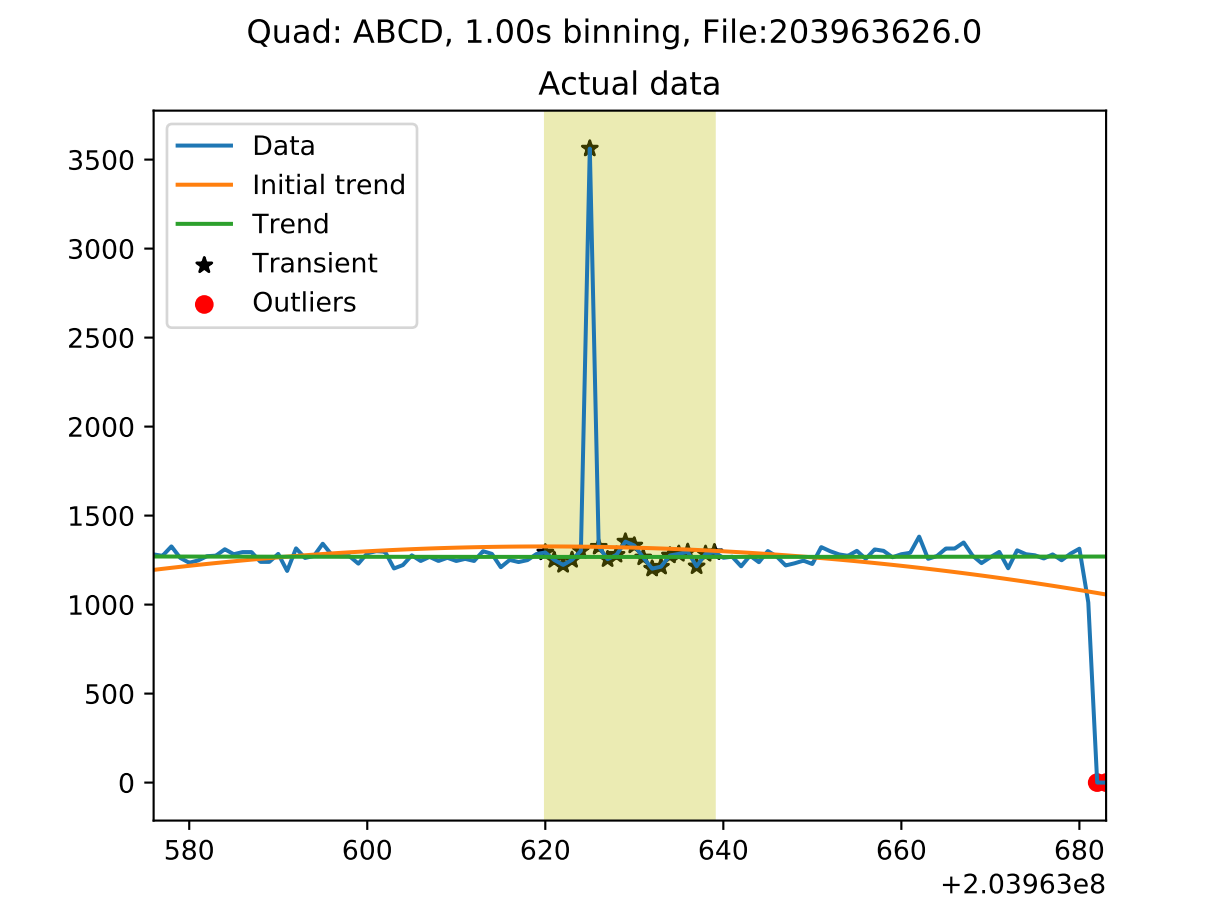

LC: Quad C
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1000
800
600
400
200
0
−200
580
600
620
640
660
680
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
400
200
0
Time (sec)
+2.03963e8

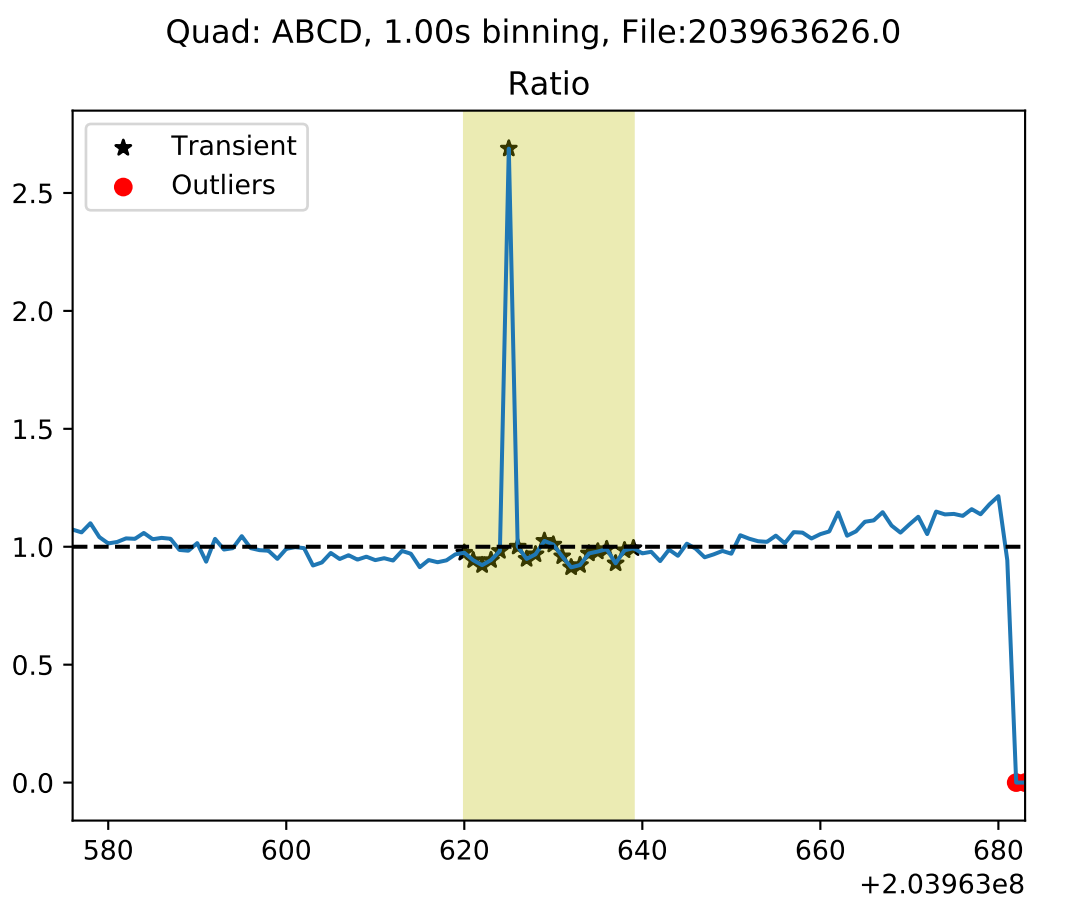

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
580
600
620
640
660
680
10^1
10^3
Counts/keV
Marked times
Marked times
Counts/sec
1000
500
0
+2.03963e8
bins
100

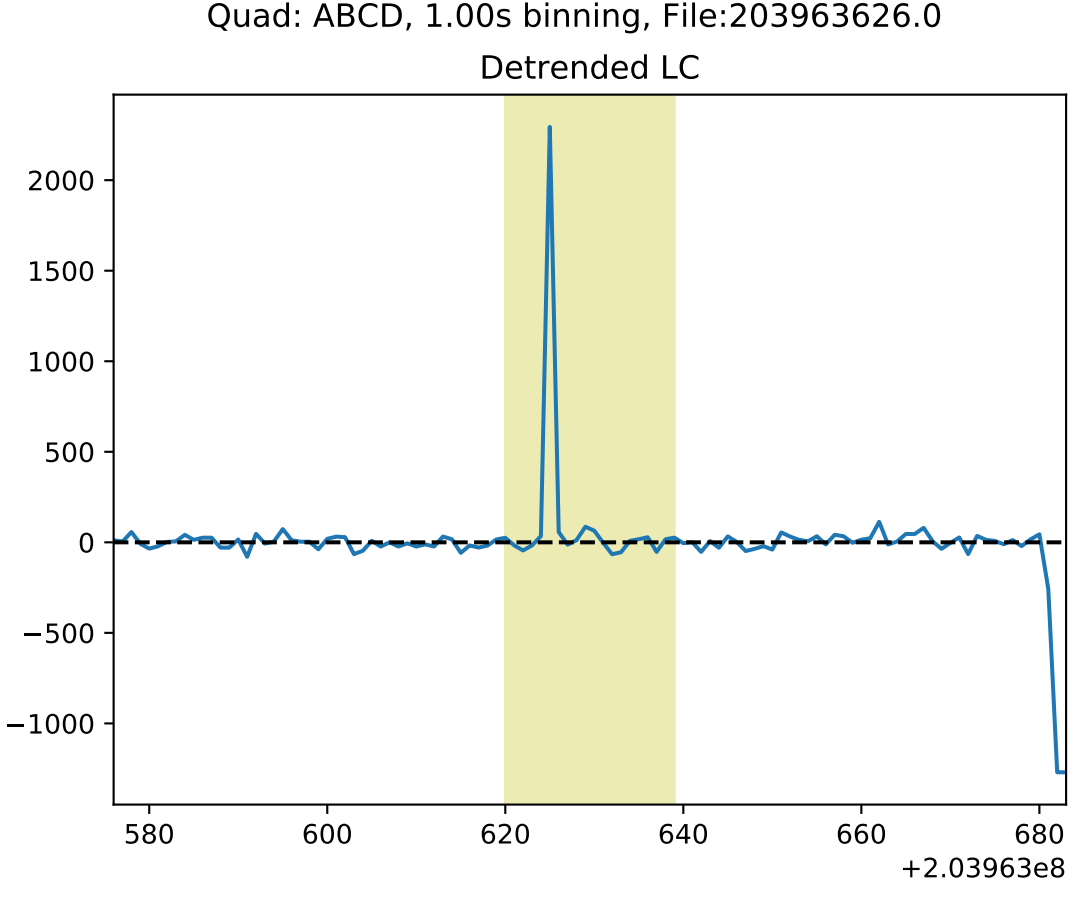

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
580
600
620
640
660
680
−50
0
Excess counts/keV
Excess counts/sec
Marked times
Marked times
500
0
+2.03963e8
bins
100

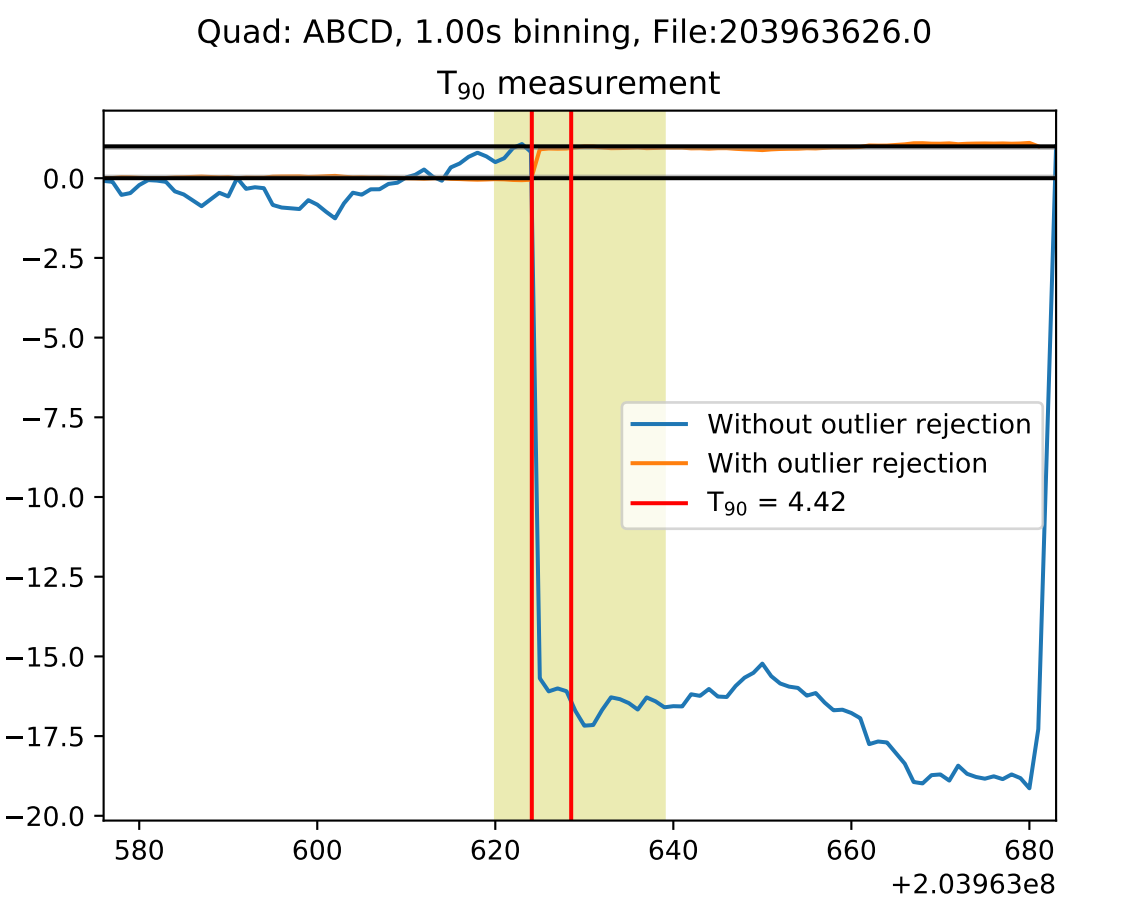

Quadrant D
Time (sec)
Energy (keV)
0
100
200
300
400
500
600
580
600
620
640
660
680
+2.03963e8
0
20
Strength/keV
Strength/sec
Marked times
Marked times
Time (sec)
+2.03963e8
bins
0
100

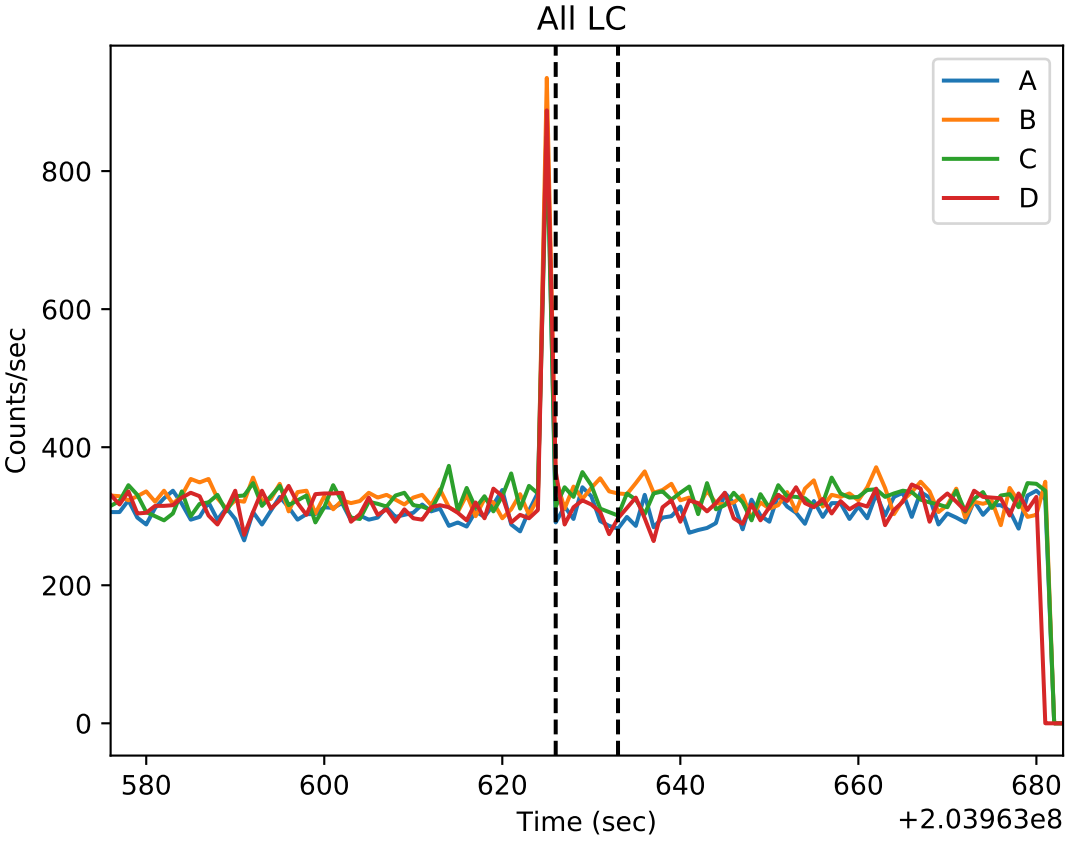

LC: Quad D
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1200
1000
800
600
400
200
0
−200
580
600
620
640
660
680
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
600
400
200
0
Time (sec)
+2.03963e8


Quad: ABCD, 1.00s binning, File:203963626.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
3500
3000
2500
2000
1500
1000
500
0
580
600
620
640
660
680
+2.03963e8


Quad: ABCD, 1.00s binning, File:203963626.0
Ratio
Transient
Outliers
2.5
2.0
1.5
1.0
0.5
0.0
580
600
620
640
660
680
+2.03963e8


Quad: ABCD, 1.00s binning, File:203963626.0
Detrended LC
2000
1500
1000
500
0
−500
−1000
580
600
620
640
660
680
+2.03963e8


Quad: ABCD, 1.00s binning, File:203963626.0
T90 measurement
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−20.0
580
600
620
640
660
680
+2.03963e8
Without outlier rejection
With outlier rejection
T90 = 4.42


All LC
A
B
C
D
800
600
400
200
0
Counts/sec
580
600
620
640
660
680
Time (sec)
+2.03963e8