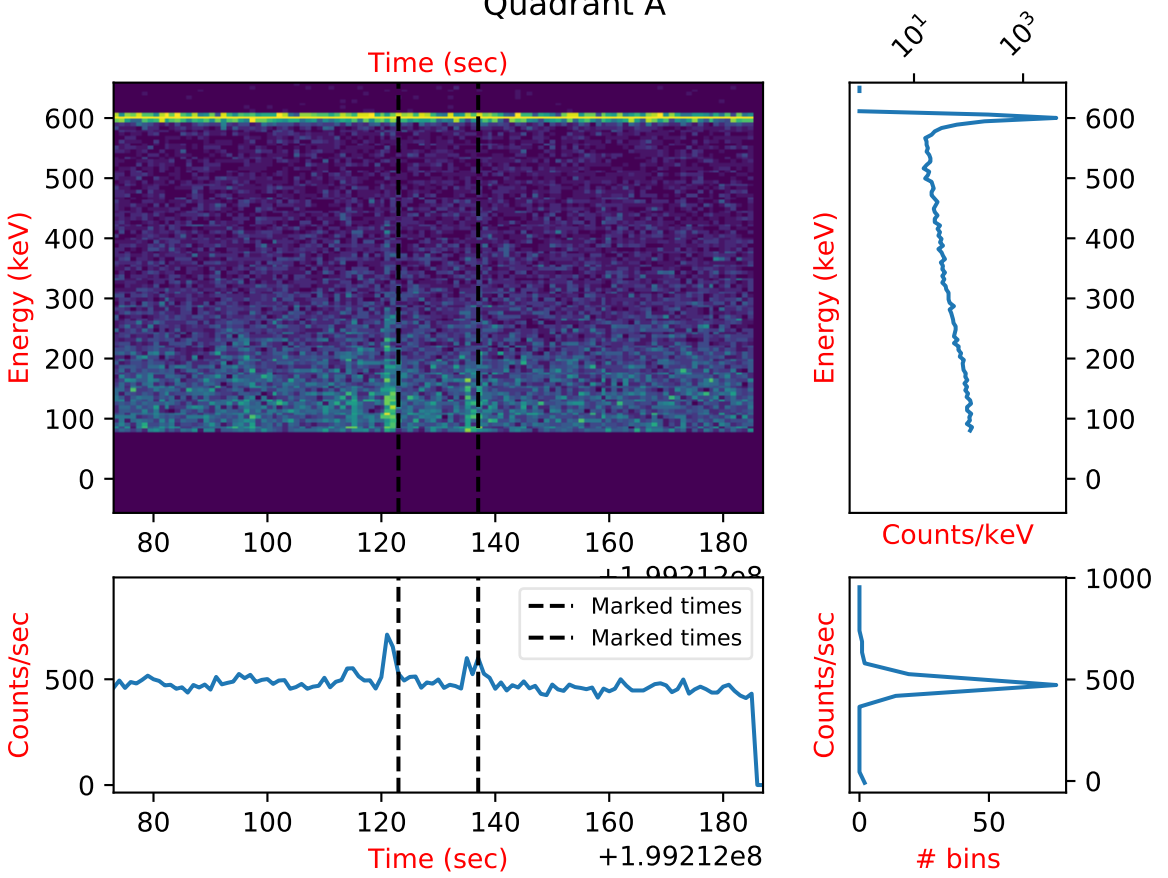
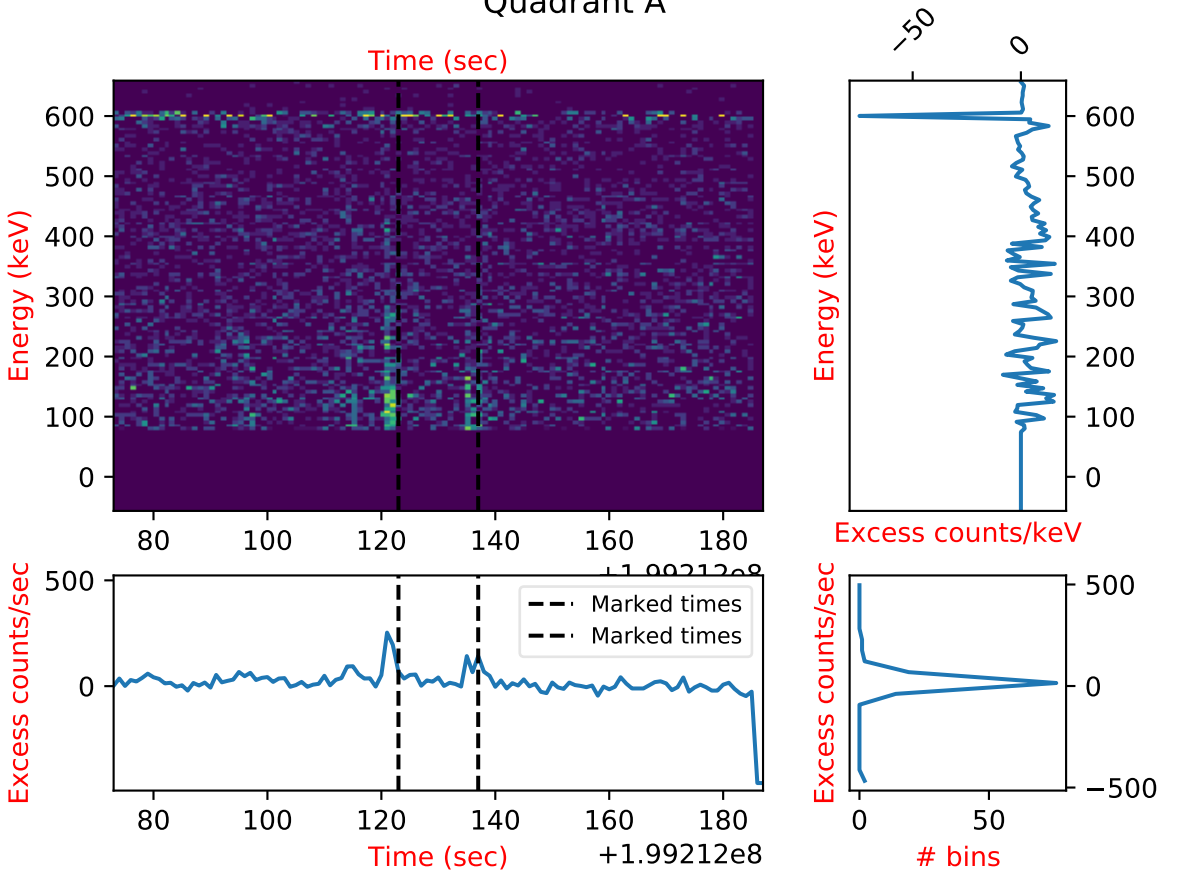
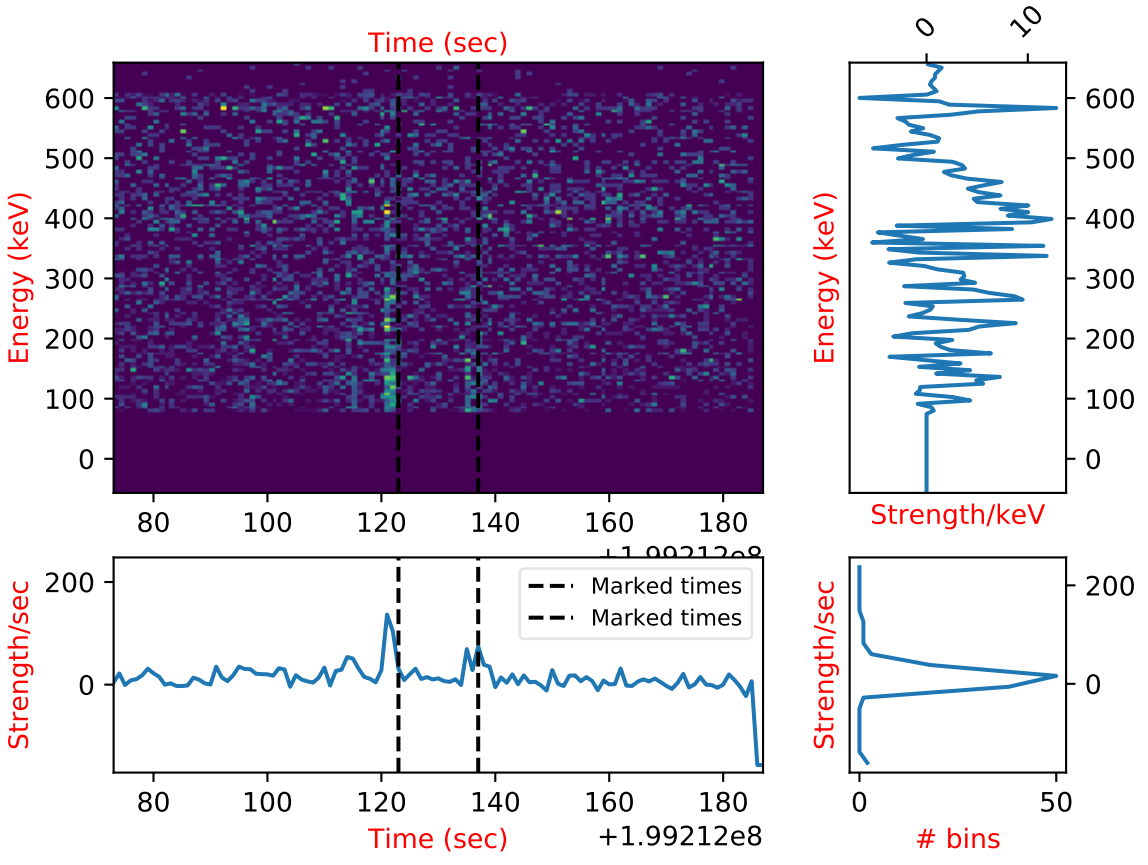
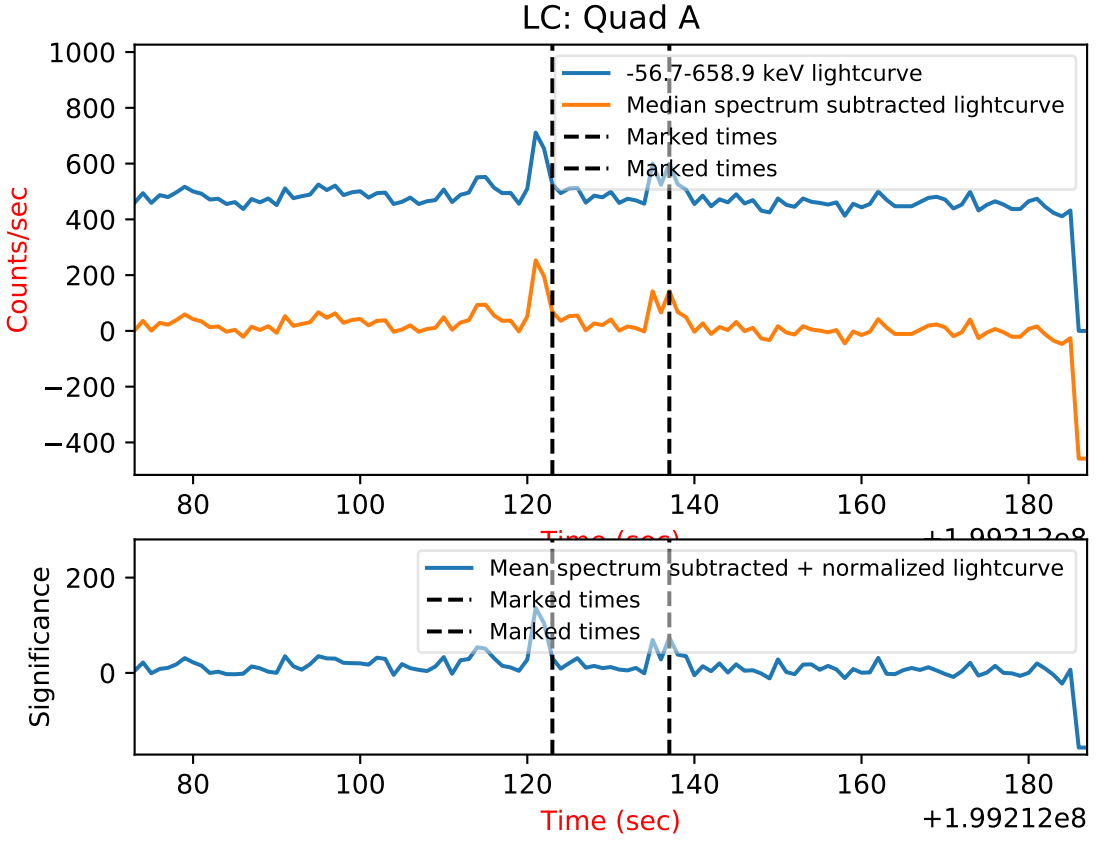
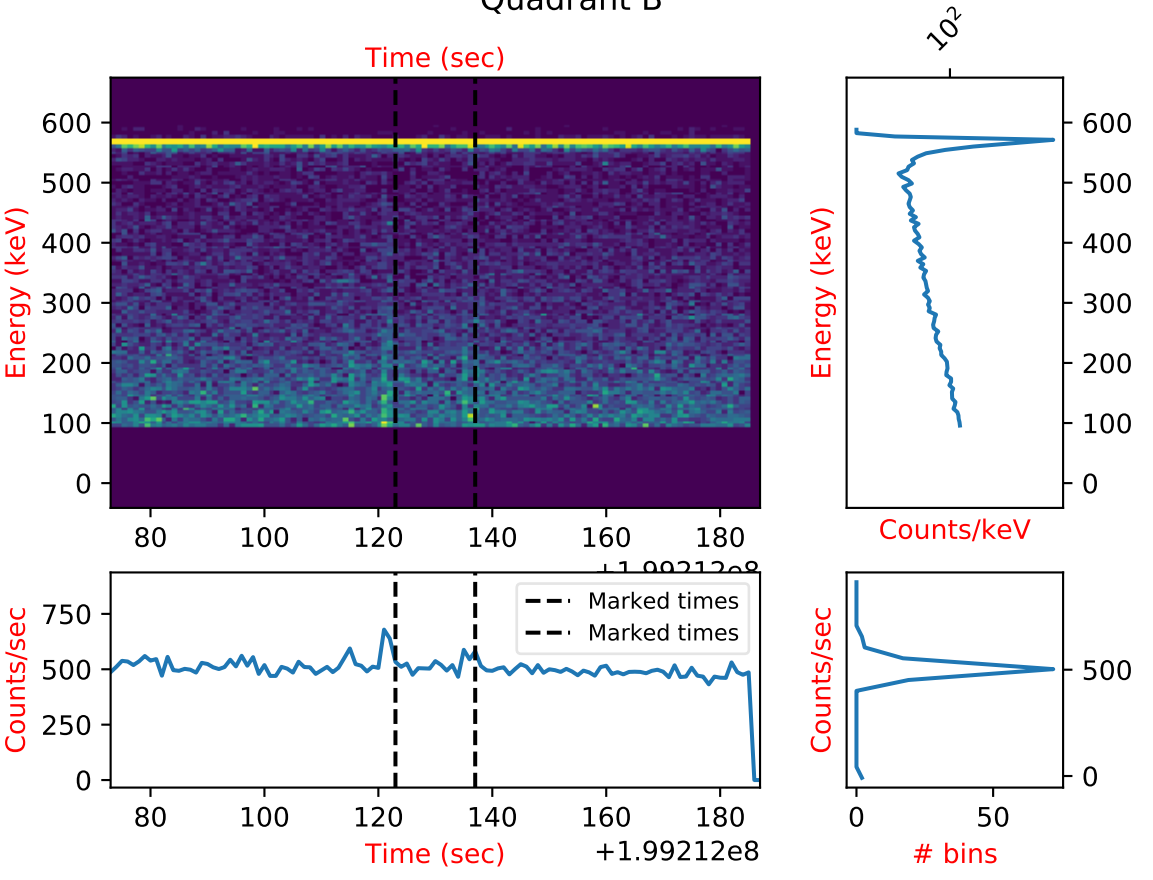
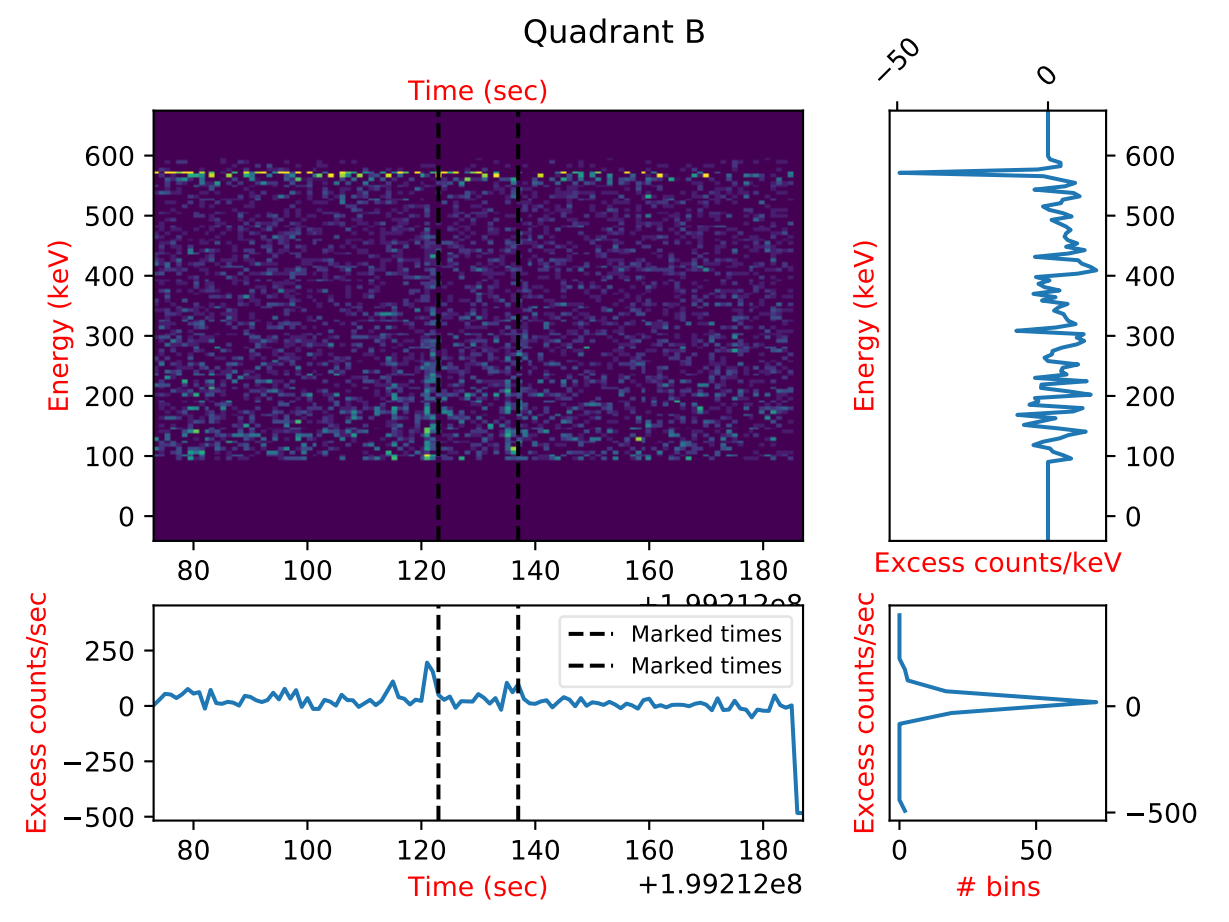

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
10^1
10^3
Counts/keV
Counts/sec
Marked times
Marked times
1000
50
bins
+1.99212e8

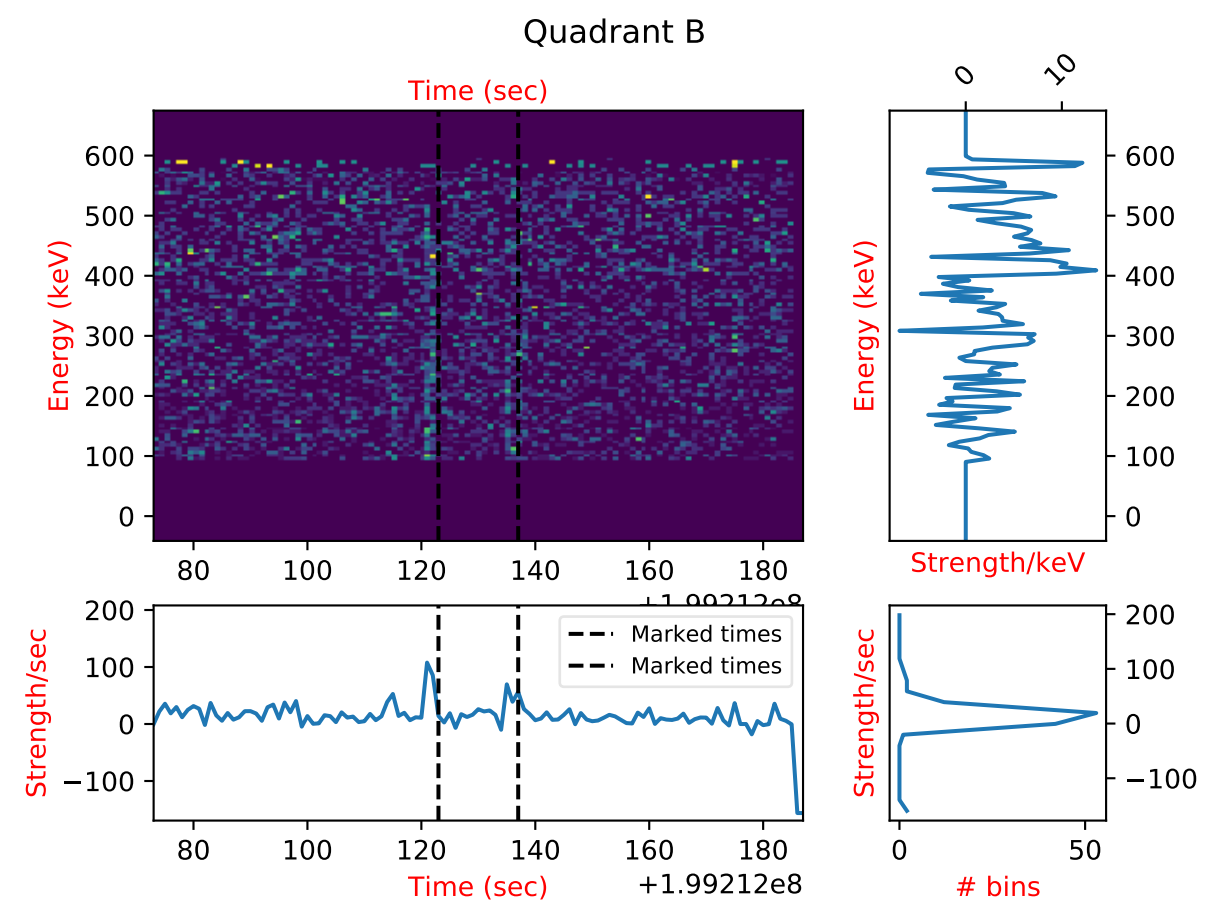

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
−50
0
Excess counts/keV
Excess counts/sec
500
0
Marked times
Marked times
+1.99212e8
bins
−500
50

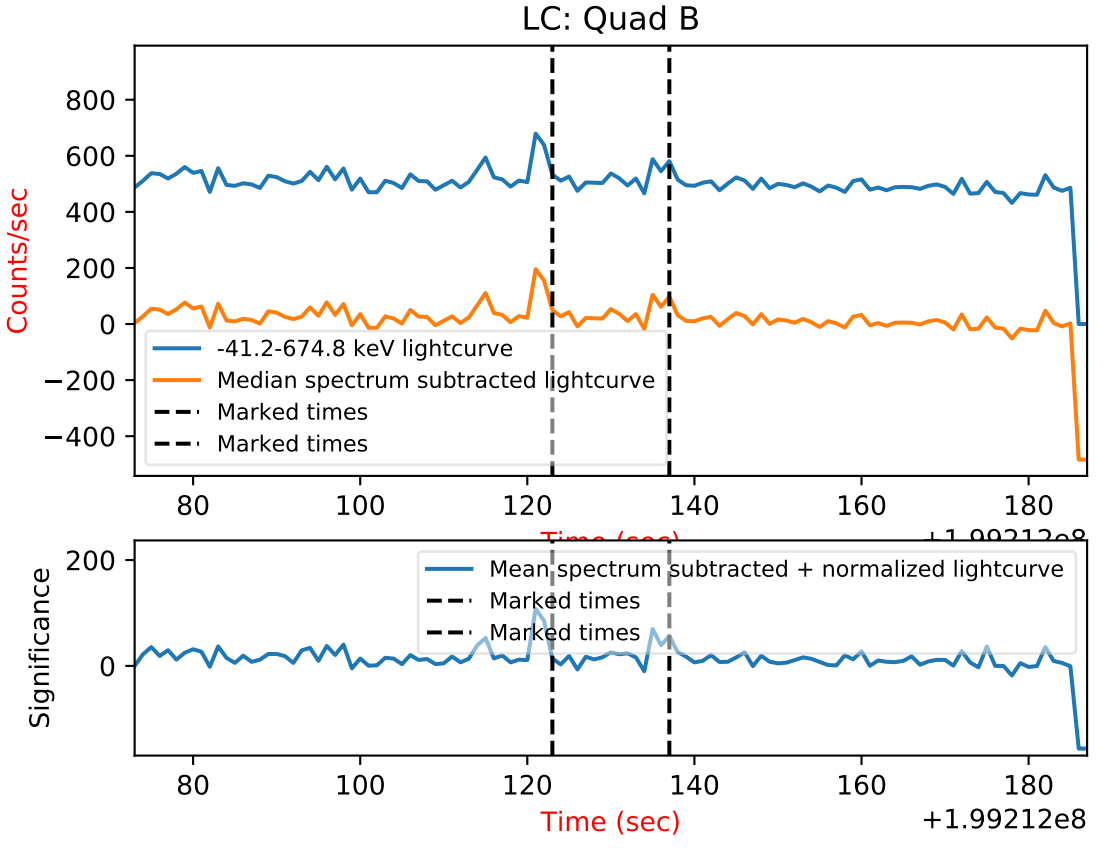

Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
0
10
Strength/keV
Strength/sec
200
0
Marked times
Marked times
+1.99212e8
bins
50

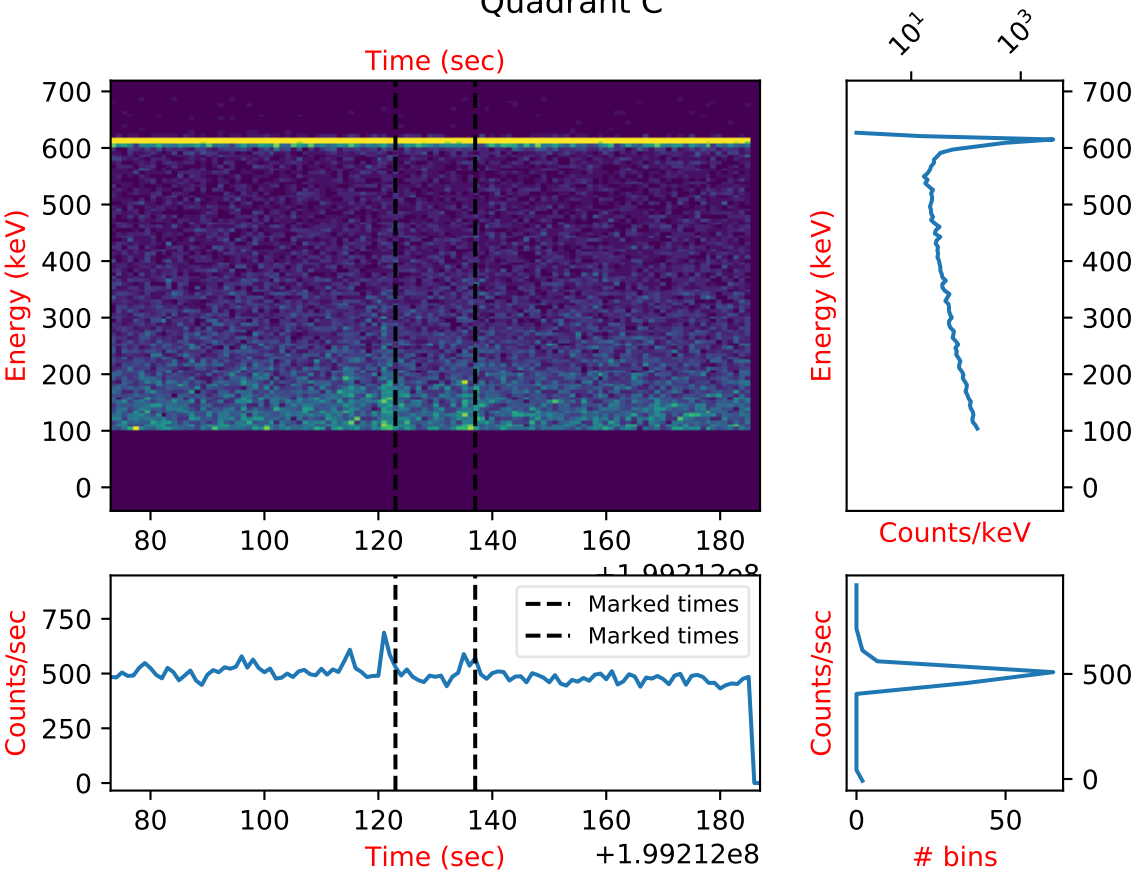

LC: Quad A
-56.7-658.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1000
800
600
400
200
0
−200
−400
80
100
120
140
160
180
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
200
0
Time (sec)
+1.99212e8

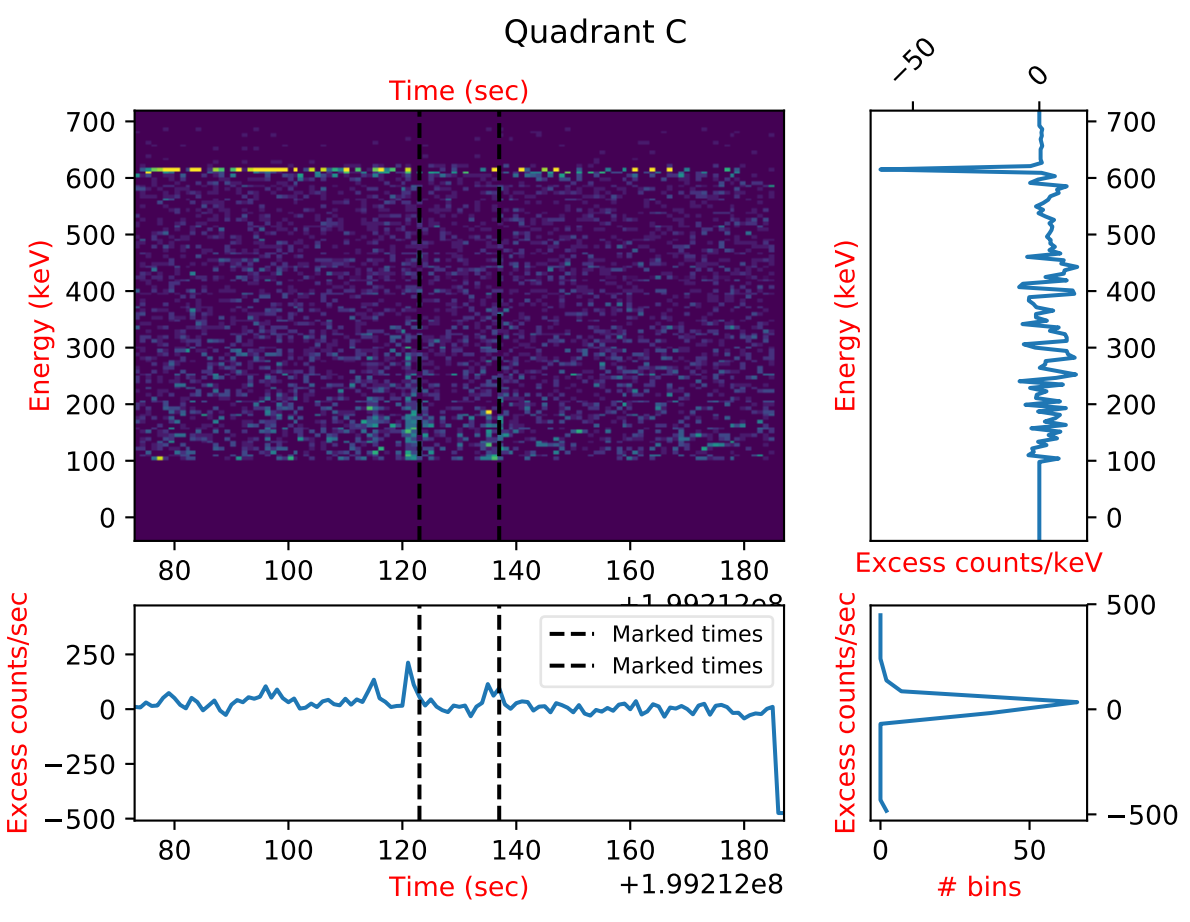

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
10^2
Counts/keV
Marked times
Marked times
Counts/sec
750
500
250
0
+1.99212e8
bins
50

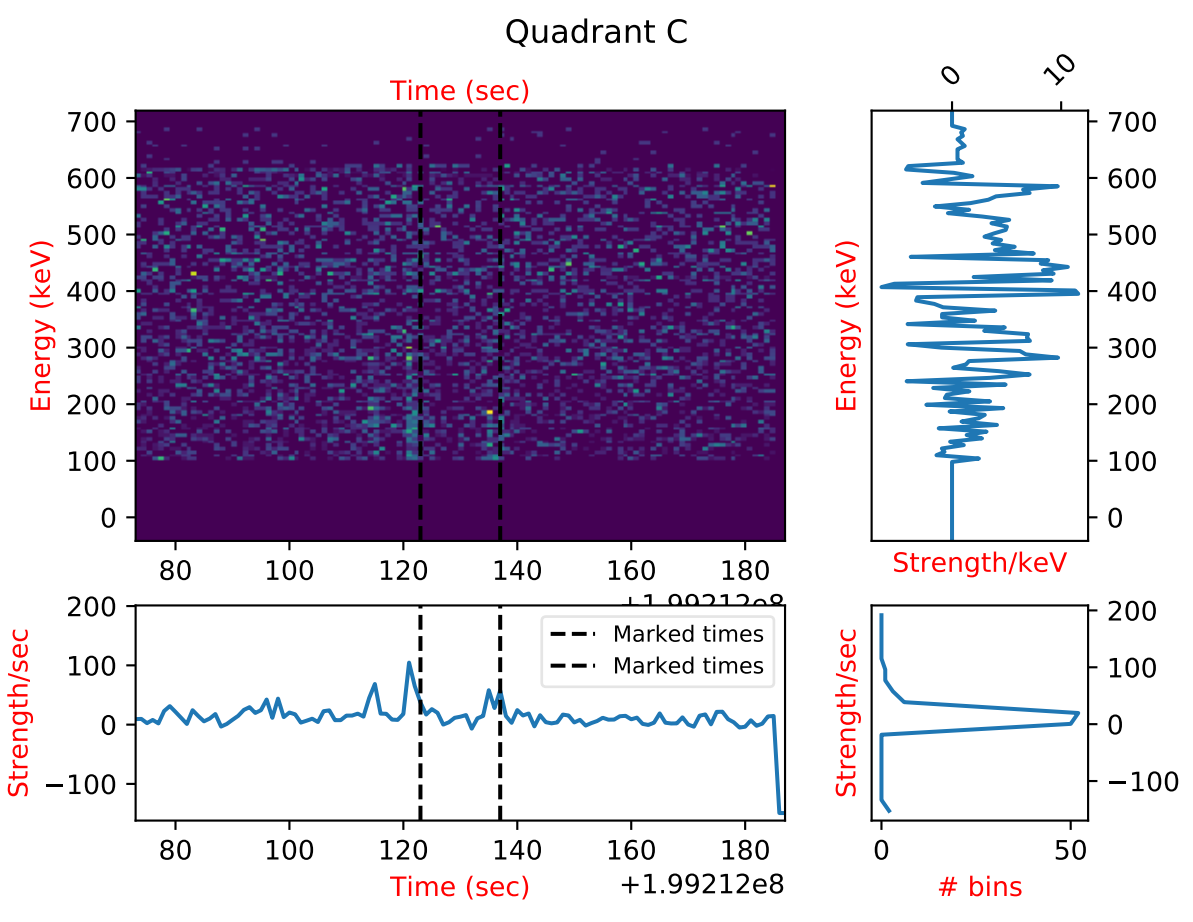

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
−50
0
Excess counts/keV
Excess counts/sec
250
0
−250
−500
Marked times
Marked times
+1.99212e8
bins
50

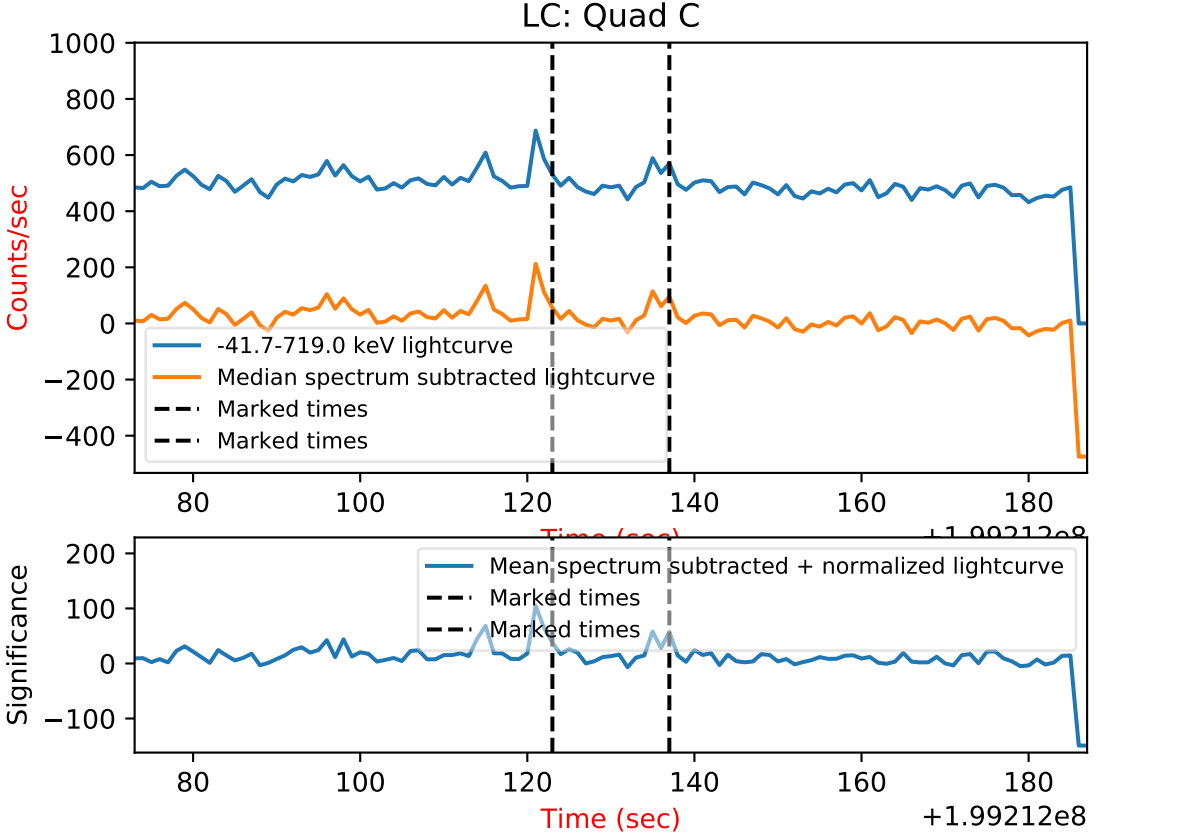

Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
0
10
Strength/keV
Strength/sec
200
100
0
−100
Marked times
Marked times
+1.99212e8
bins
50

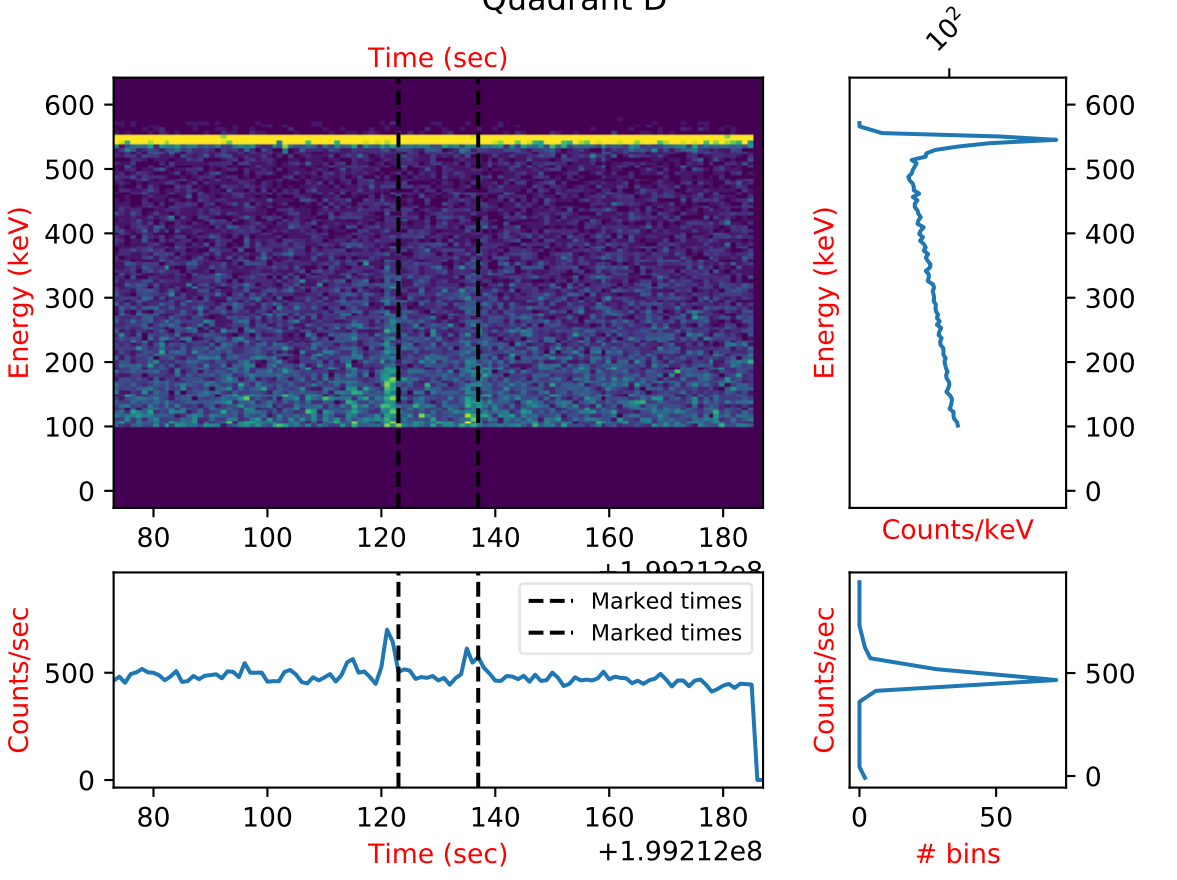

LC: Quad B
Counts/sec
800
600
400
200
0
−200
−400
-41.2-674.8 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
80
100
120
140
160
180
Time (sec)
+1.99212e8
Significance
200
0
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
80
100
120
140
160
180
Time (sec)
+1.99212e8

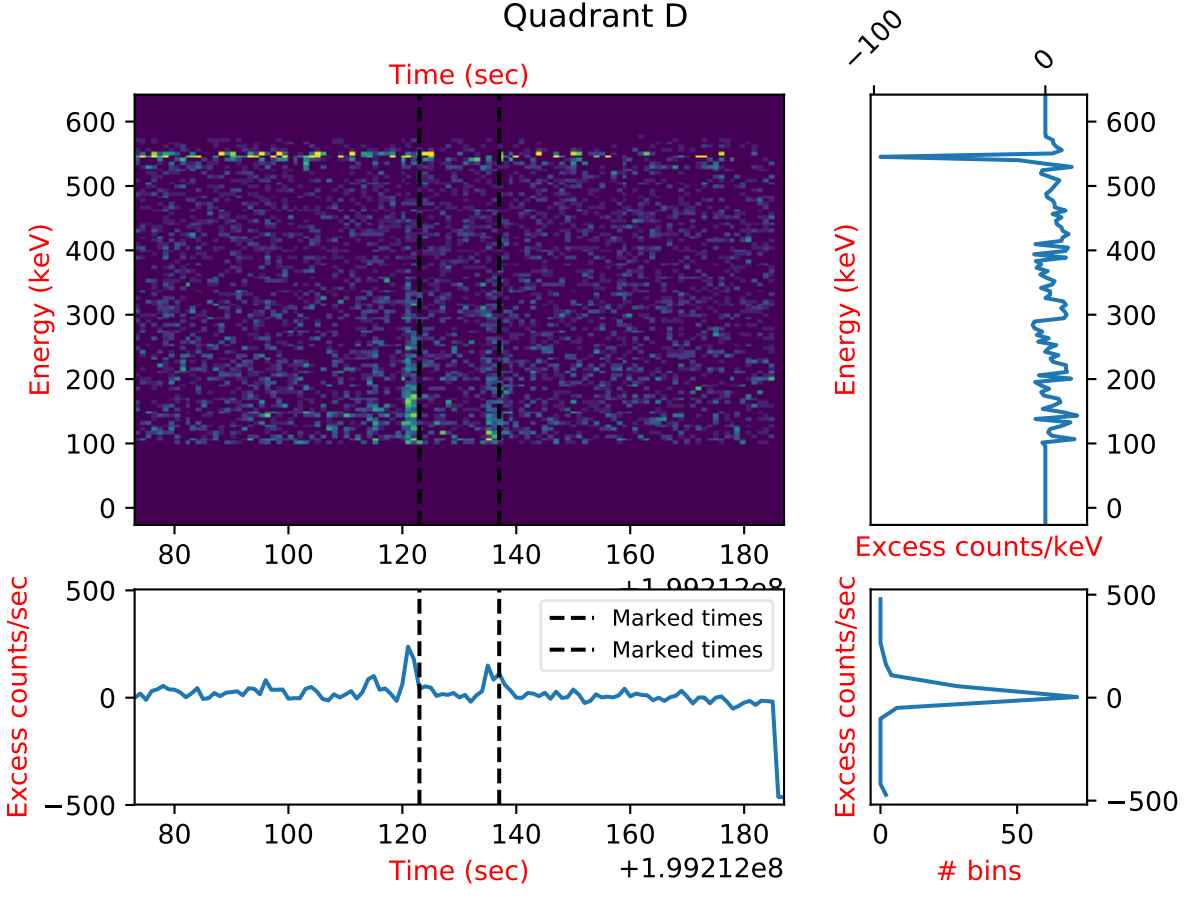

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
80
100
120
140
160
180
10^1
10^3
Counts/keV
Counts/sec
750
500
250
Marked times
Marked times
+1.99212e8
bins
50

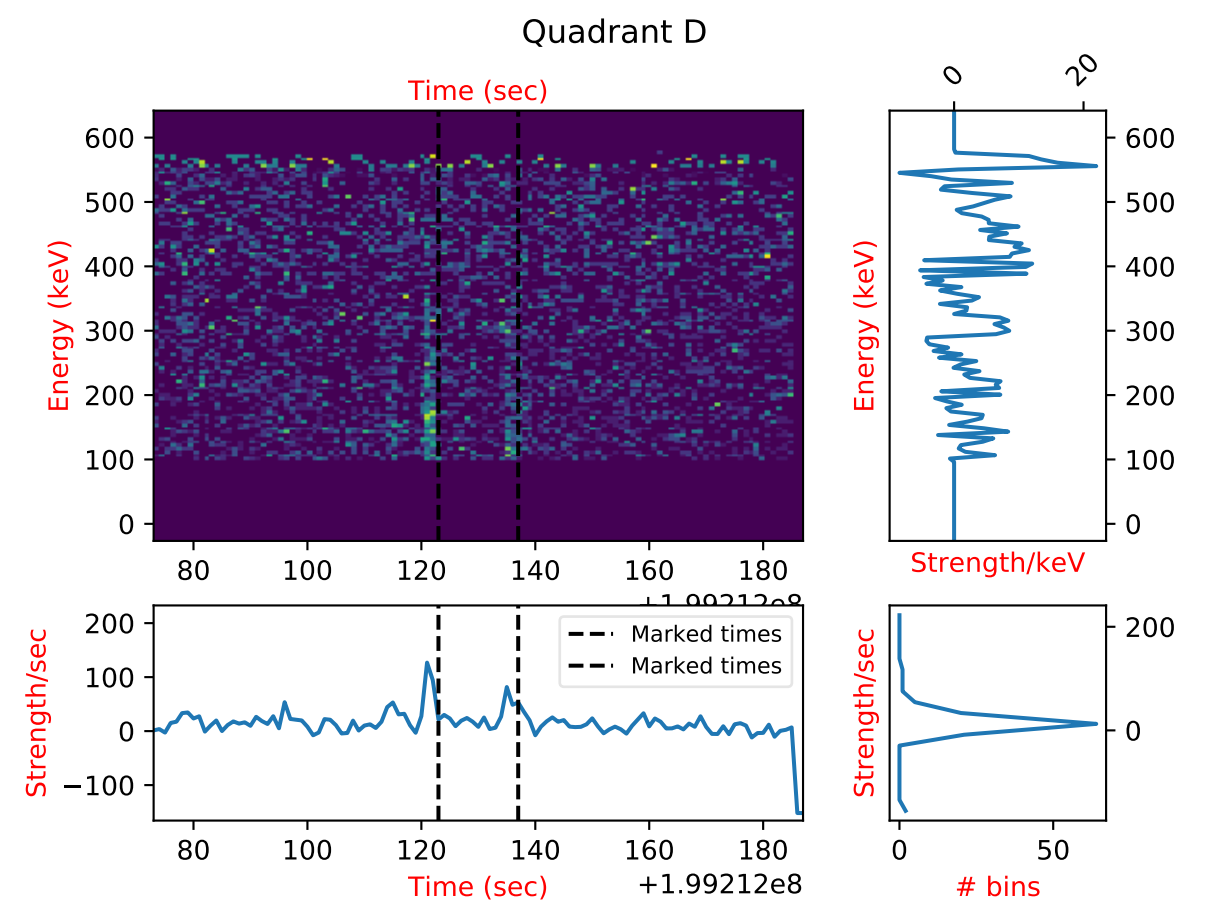

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
80
100
120
140
160
180
−50
0
Excess counts/keV
Excess counts/sec
250
0
−250
−500
Marked times
Marked times
+1.99212e8
500
−500
bins
50

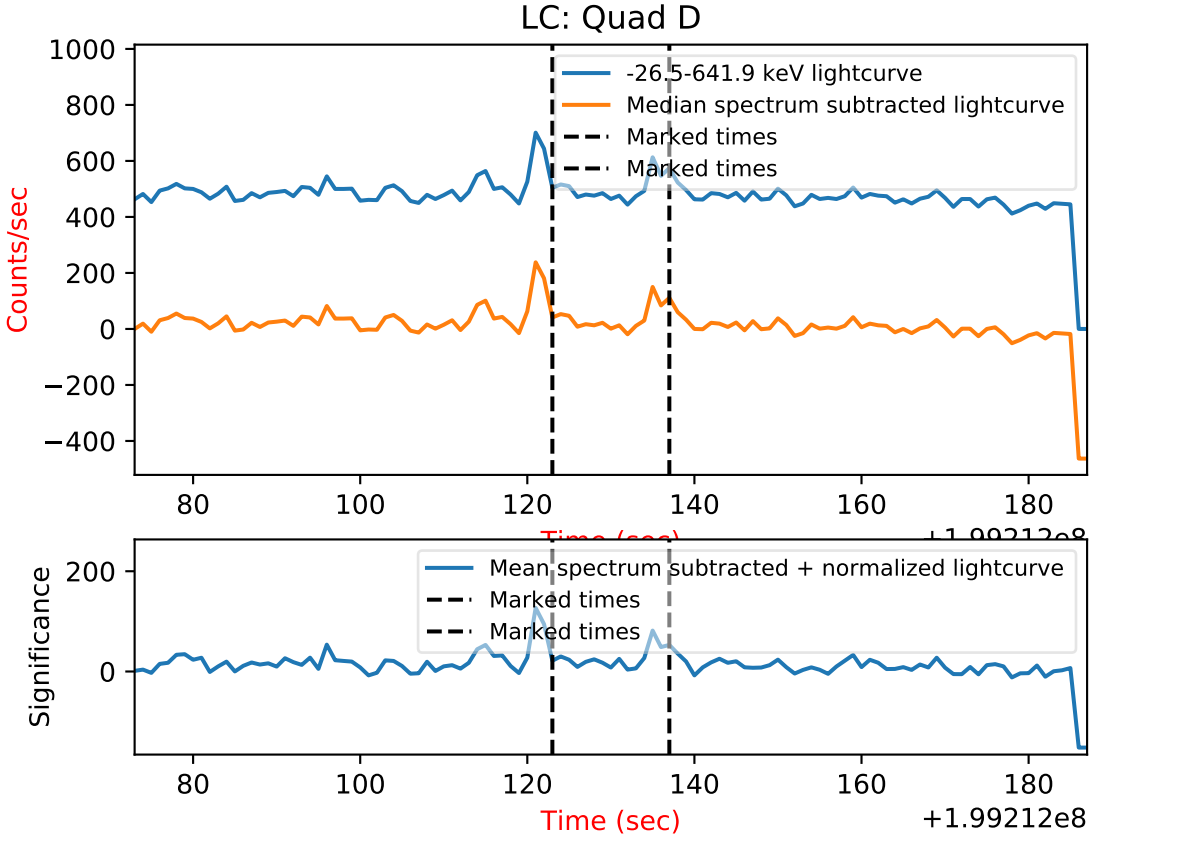

Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
80
100
120
140
160
180
+1.99212e8
0
10
Strength/keV
Strength/sec
200
100
0
−100
Marked times
Marked times
Time (sec)
+1.99212e8
50
bins

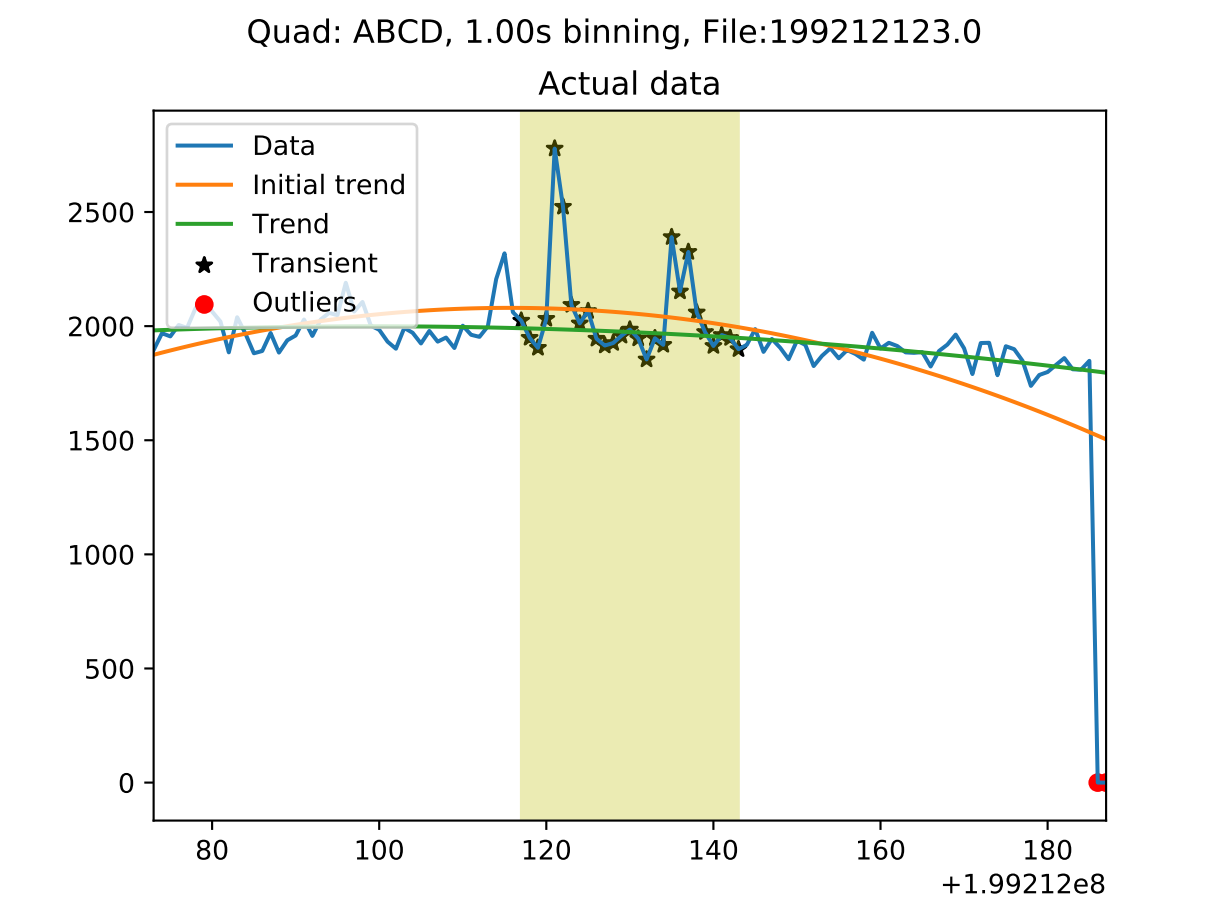

LC: Quad C
Counts/sec
1000
800
600
400
200
0
−200
−400
-41.7-719.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
80
100
120
140
160
180
Significance
200
100
0
−100
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Time (sec)
+1.99212e8

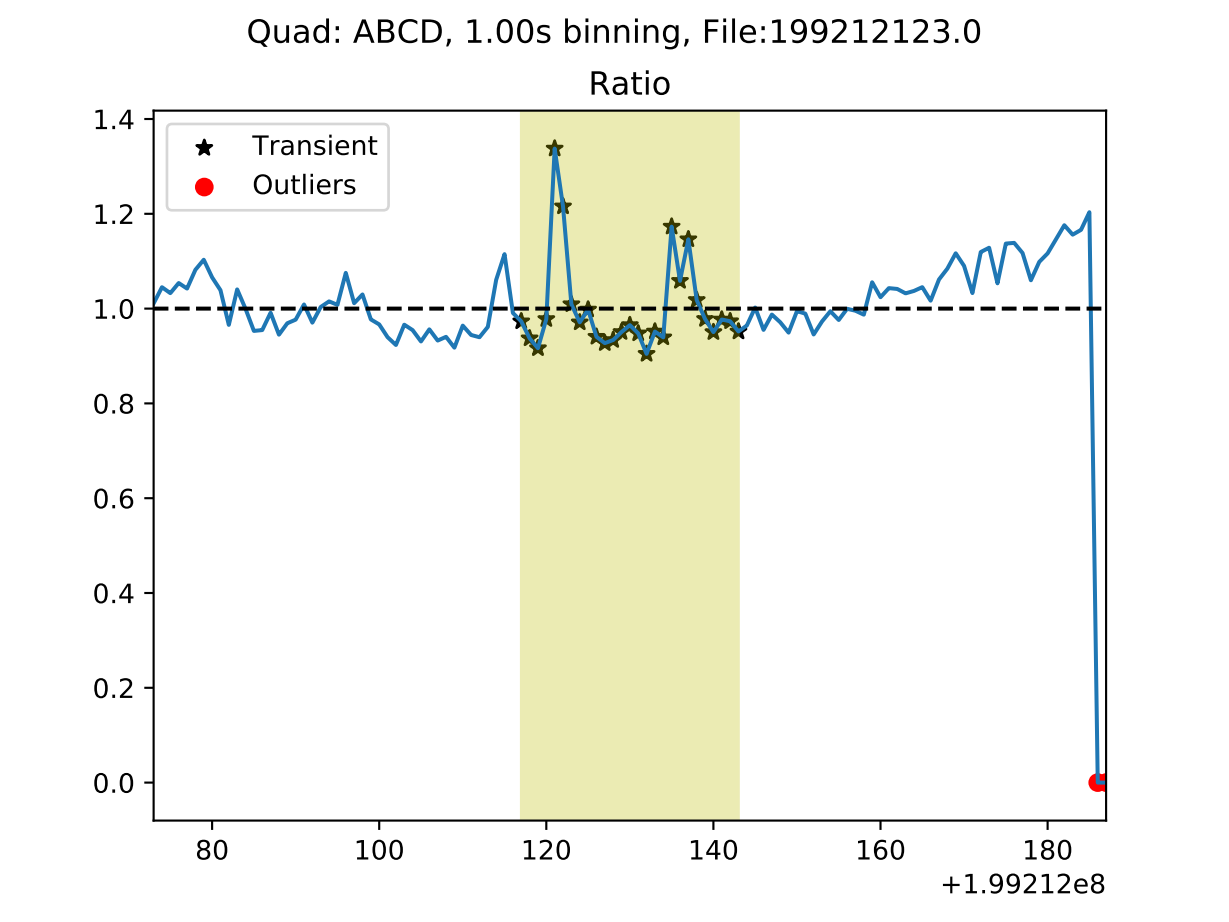

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
10^2
Counts/keV
Marked times
Marked times
Counts/sec
500
0
+1.99212e8
bins
50

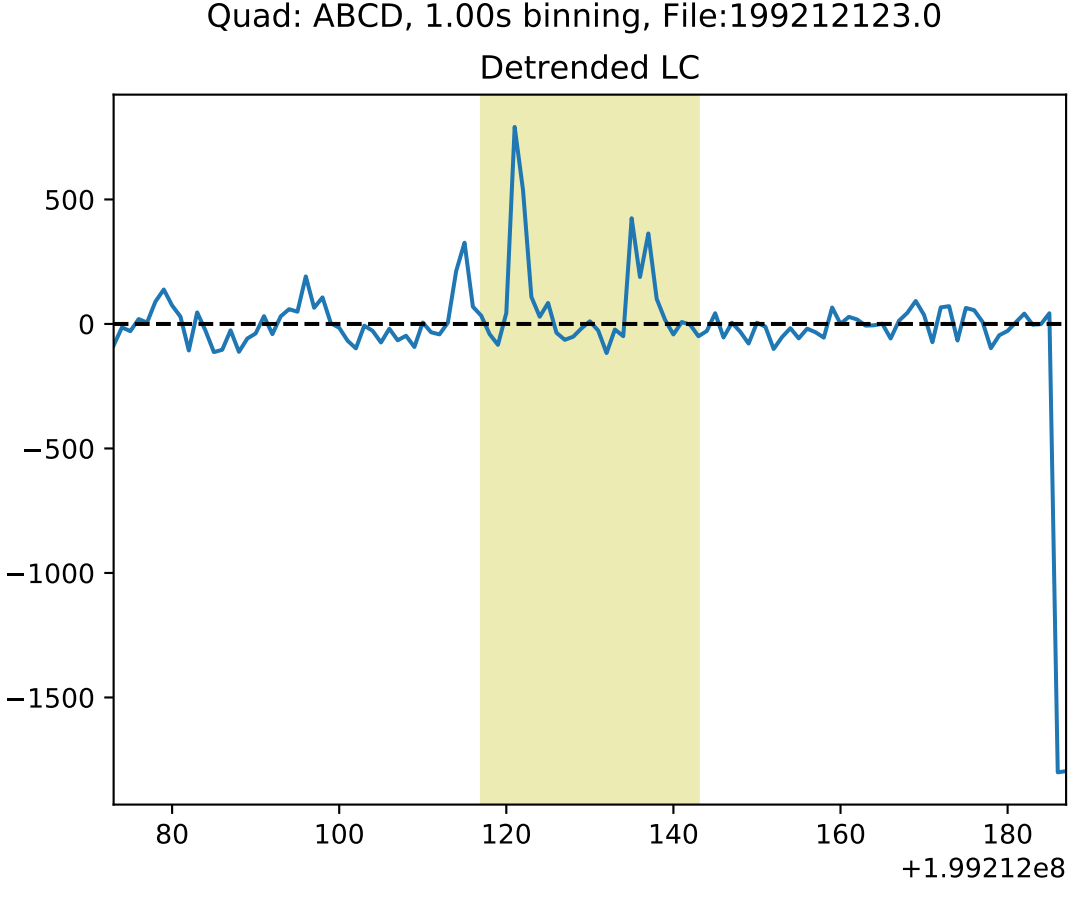

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
−100
0
Excess counts/keV
Excess counts/sec
500
0
−500
Marked times
Marked times
+1.99212e8
bins
50

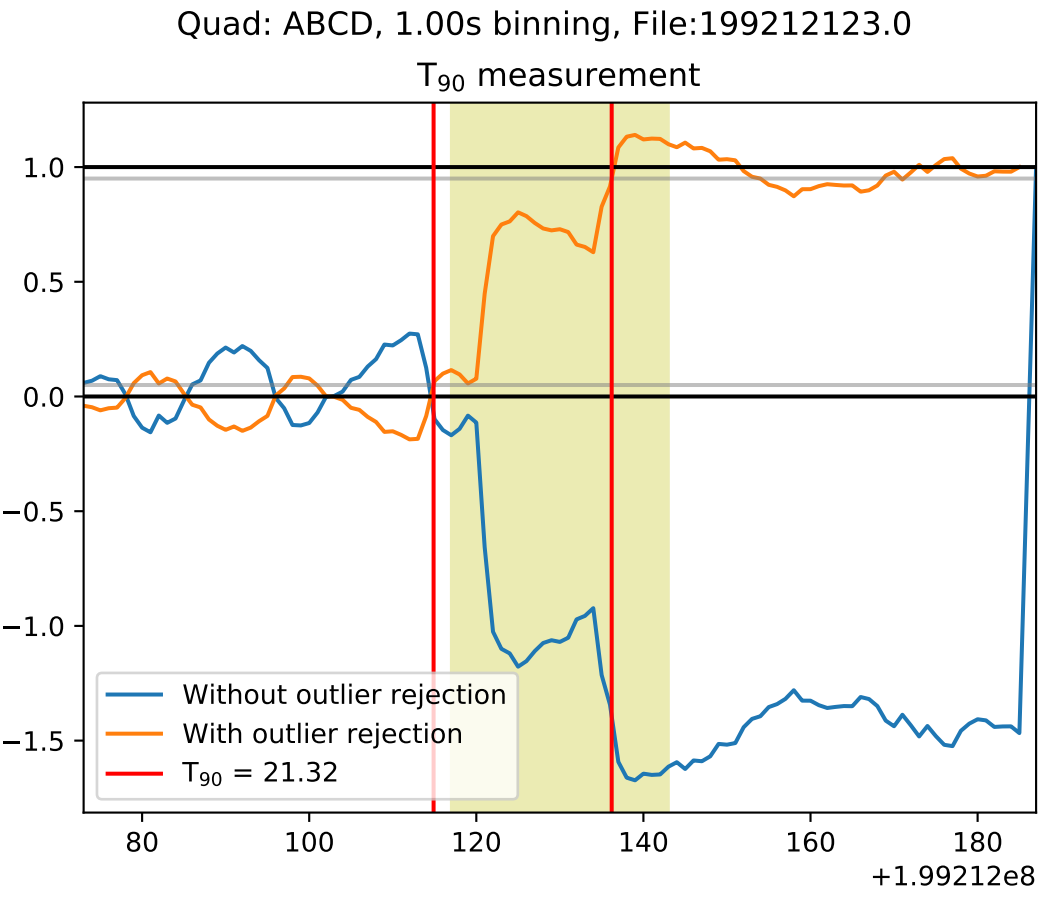

Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
80
100
120
140
160
180
+1.99212e8
0
20
Strength/keV
Strength/sec
200
100
0
−100
Marked times
Marked times
Time (sec)
+1.99212e8
50
bins

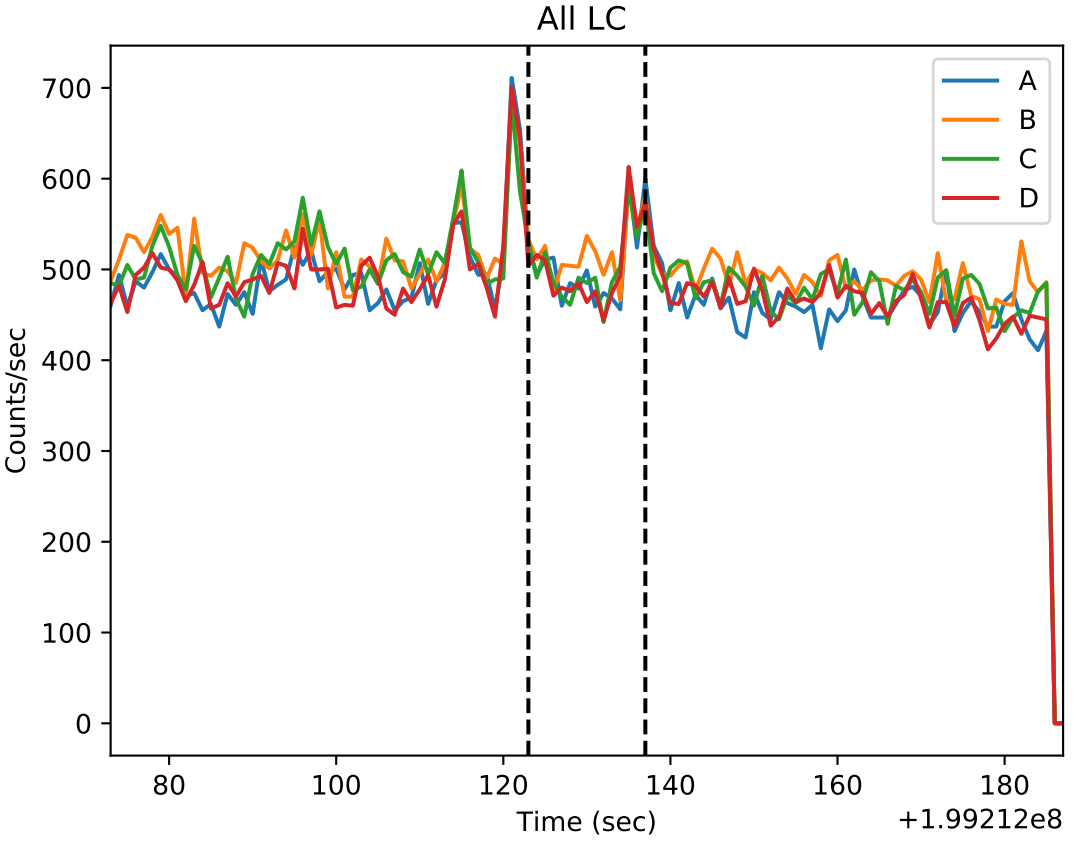

LC: Quad D
-26.5-641.9 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
1000
800
600
400
200
0
−200
−400
80
100
120
140
160
180
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
200
0
Time (sec)
+1.99212e8


Quad: ABCD, 1.00s binning, File:199212123.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
2500
2000
1500
1000
500
0
80
100
120
140
160
180
+1.99212e8


Quad: ABCD, 1.00s binning, File:199212123.0
Ratio
Transient
Outliers
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
80
100
120
140
160
180
+1.99212e8


Quad: ABCD, 1.00s binning, File:199212123.0
Detrended LC
500
0
−500
−1000
−1500
80
100
120
140
160
180
+1.99212e8


Quad: ABCD, 1.00s binning, File:199212123.0
T90 measurement
1.0
0.5
0.0
−0.5
−1.0
−1.5
80
100
120
140
160
180
+1.99212e8
Without outlier rejection
With outlier rejection
T90 = 21.32


All LC
A
B
C
D
700
600
500
400
300
200
100
0
Counts/sec
80
100
120
140
160
180
Time (sec)
+1.99212e8