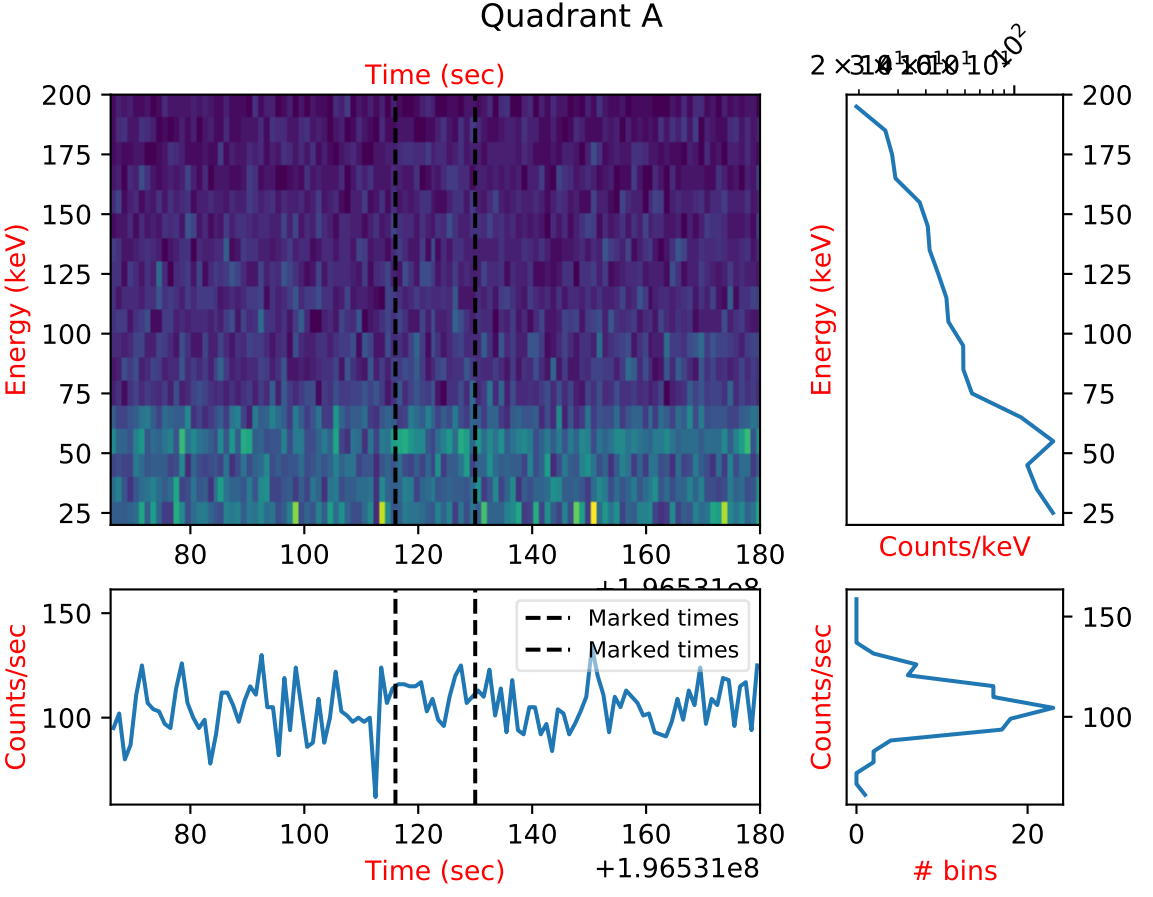
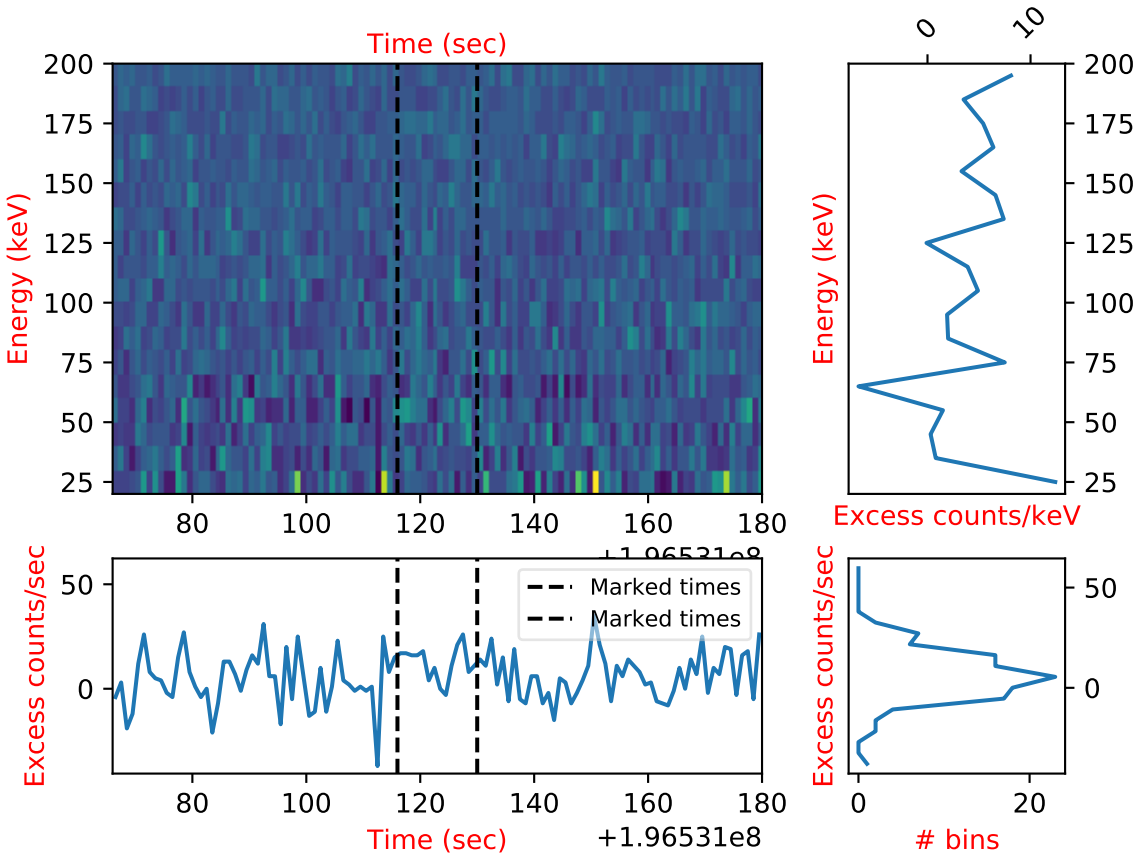
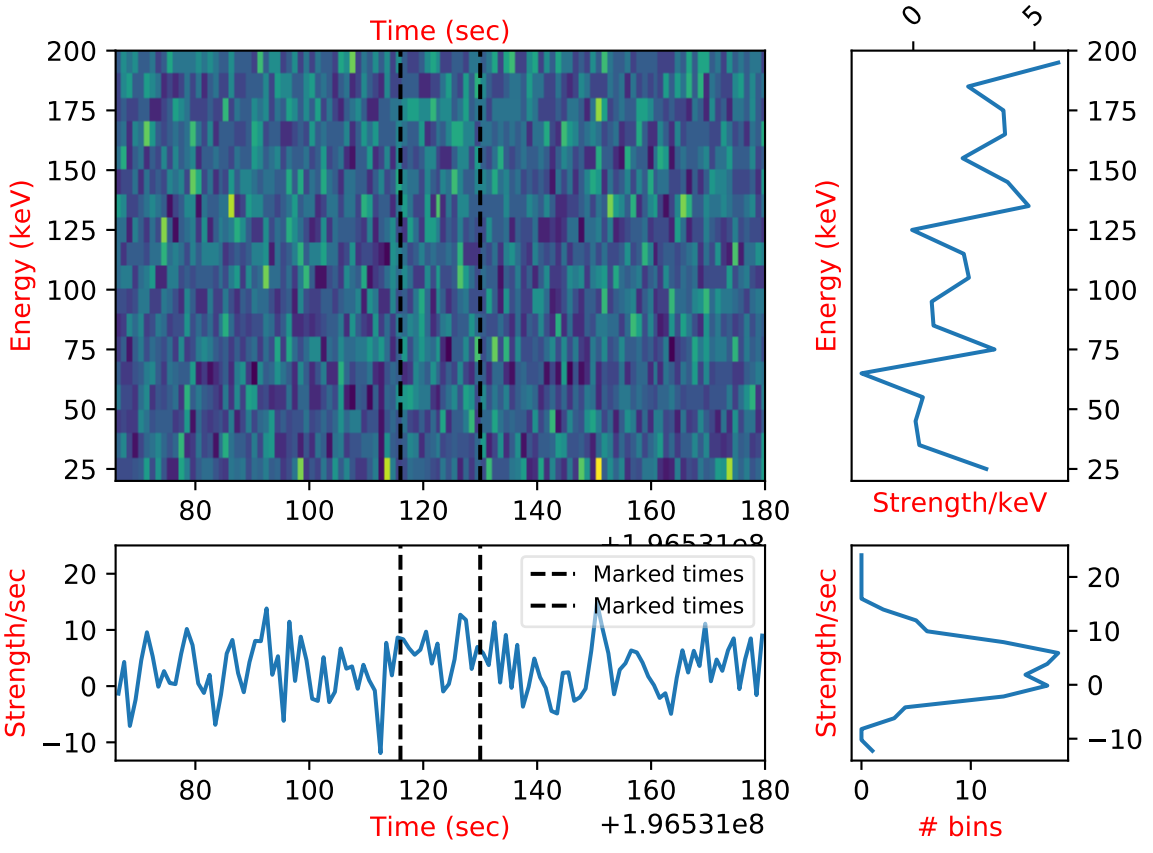
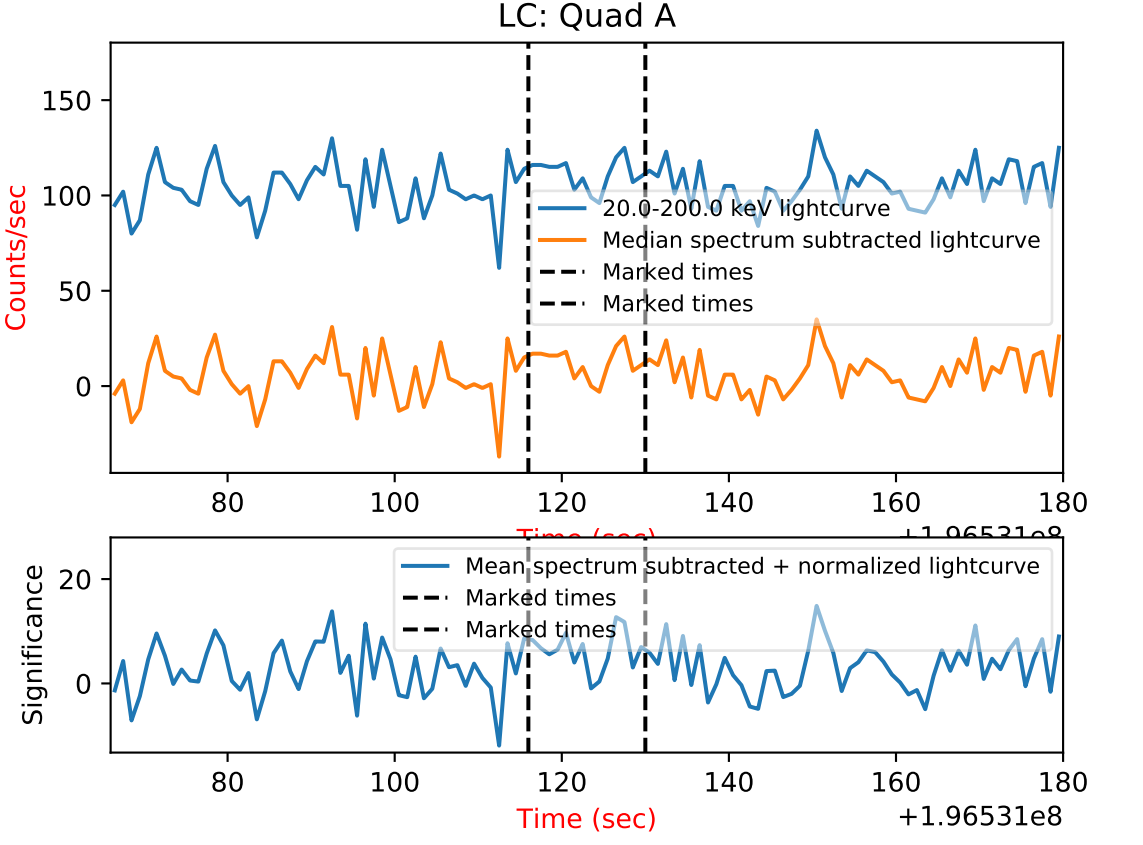
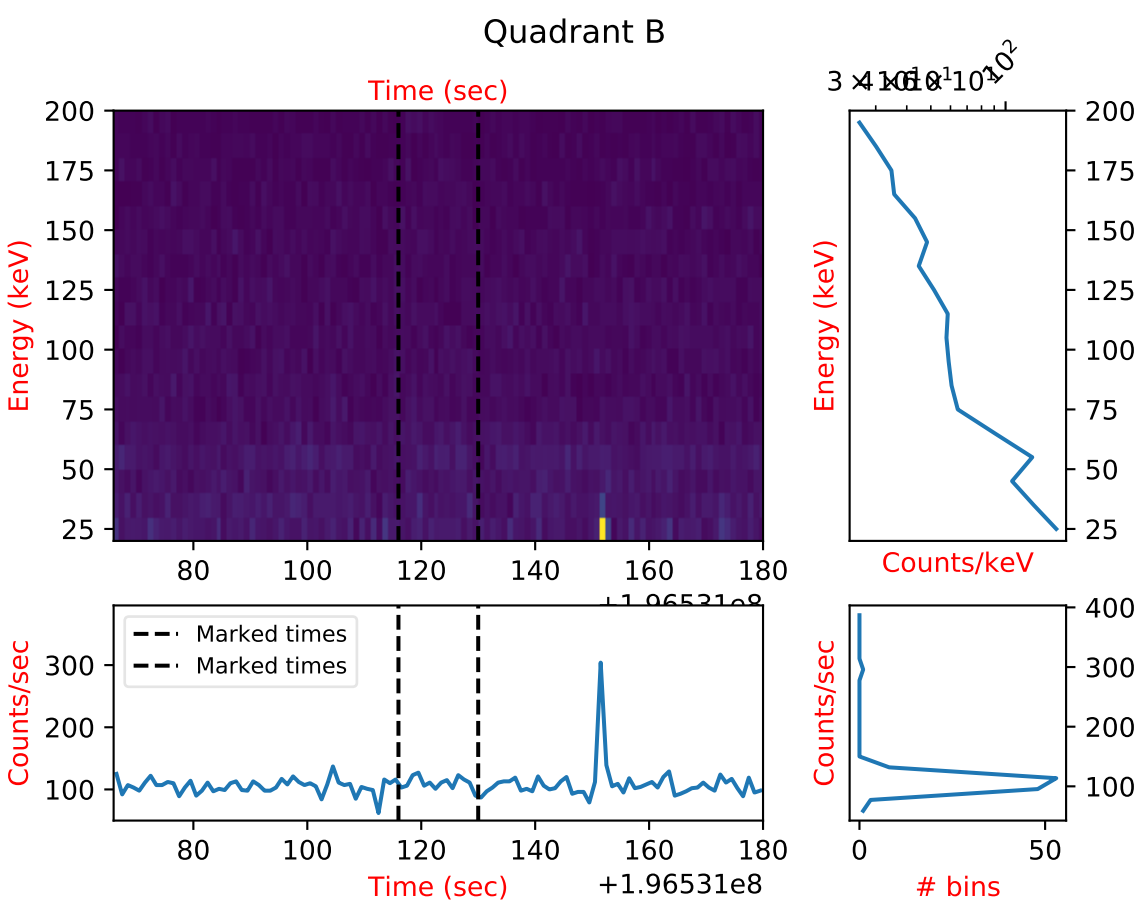
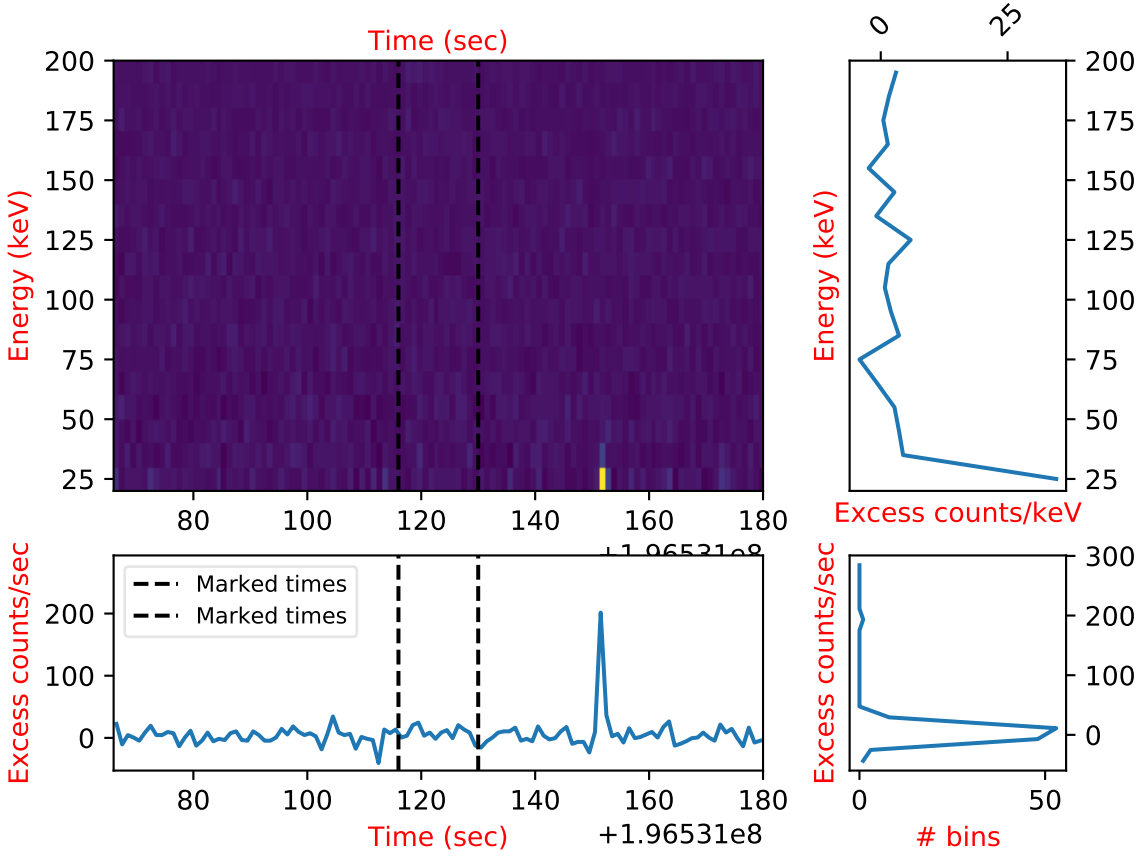

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
160
180
Counts/keV
Counts/sec
Marked times
Marked times
+1.96531e8
bins
0
20

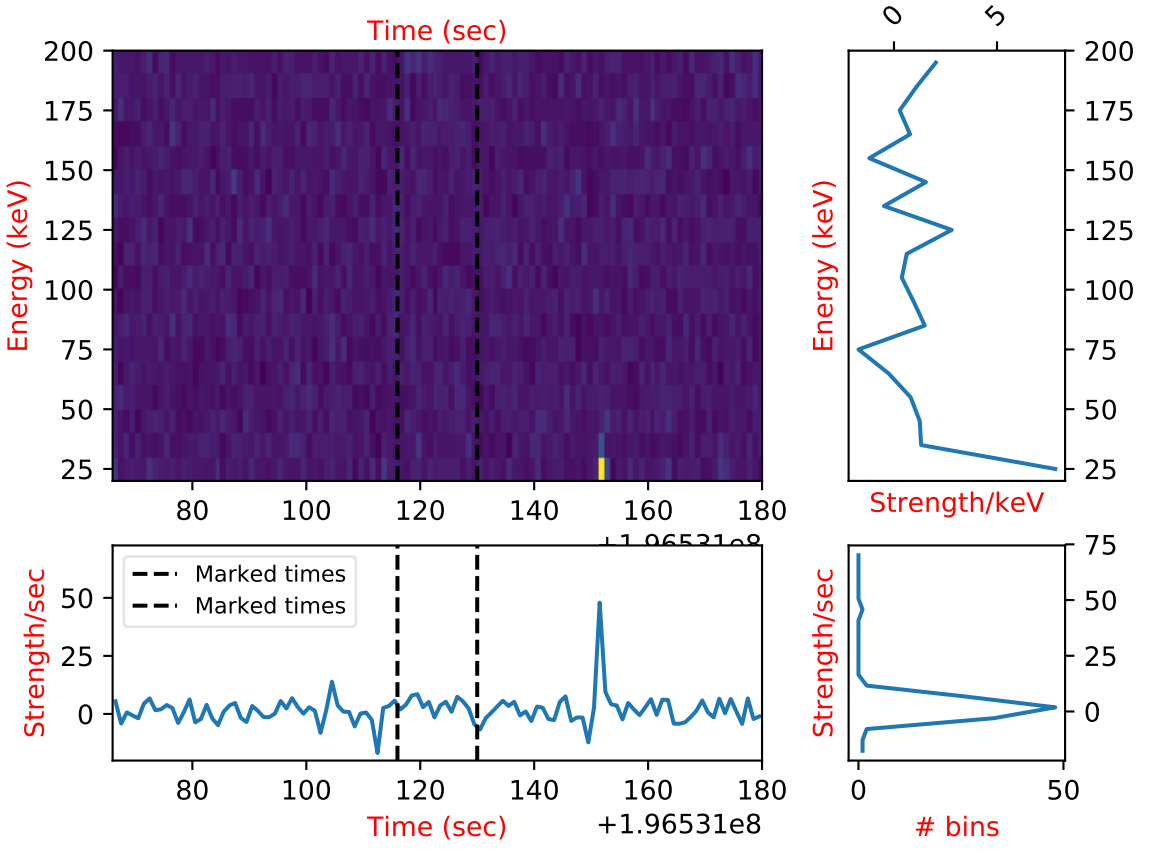

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
160
180
0
10
Excess counts/keV
Excess counts/sec
50
0
Marked times
Marked times
+1.96531e8
bins
20

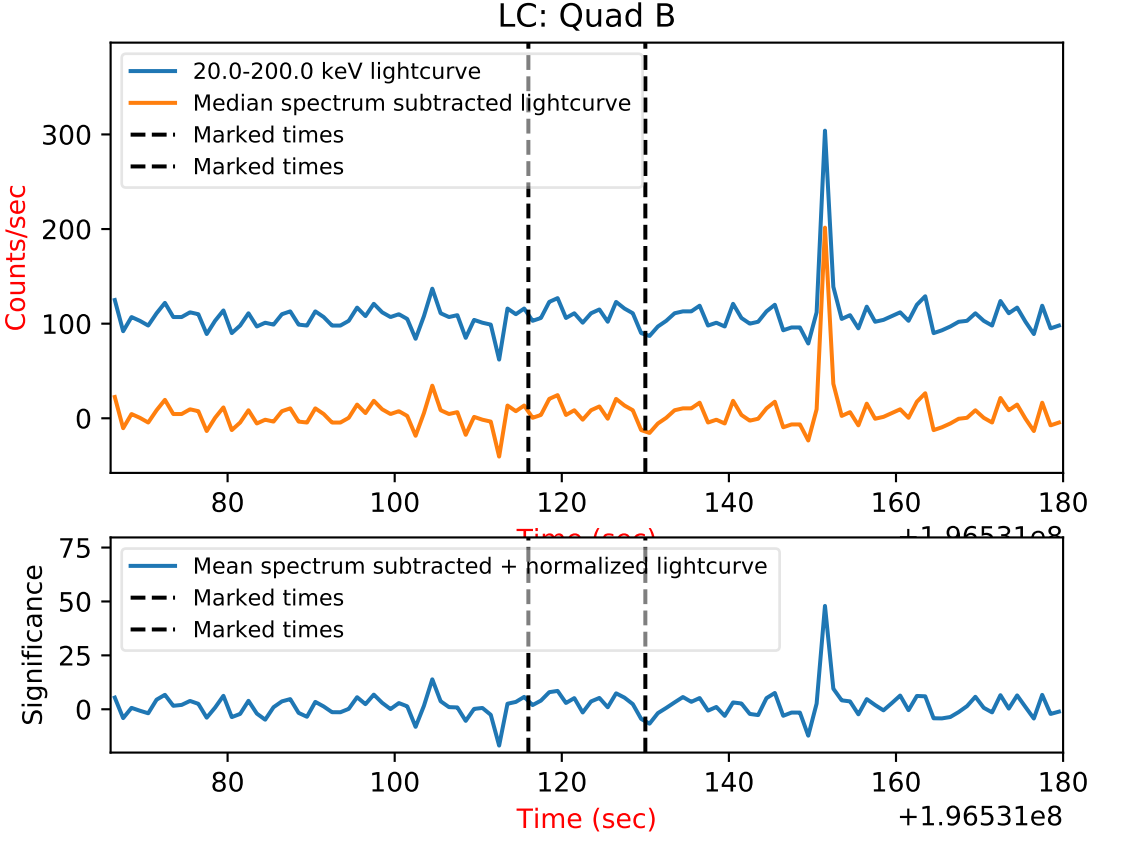

Quadrant A
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
160
180
+1.96531e8
0
5
Strength/keV
Strength/sec
20
10
0
−10
Marked times
Marked times
Time (sec)
+1.96531e8
bins

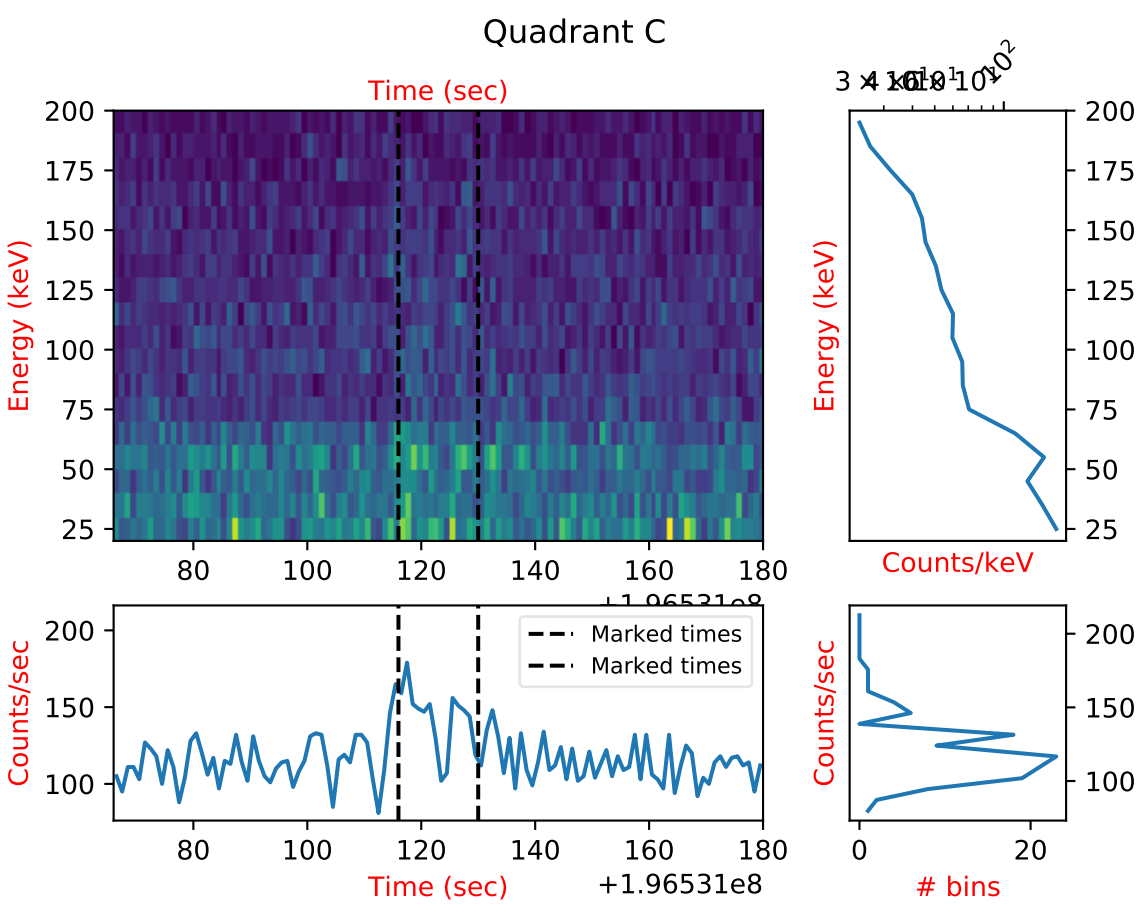

LC: Quad A
Counts/sec
150
100
50
0
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
80
100
120
140
160
180
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+1.96531e8

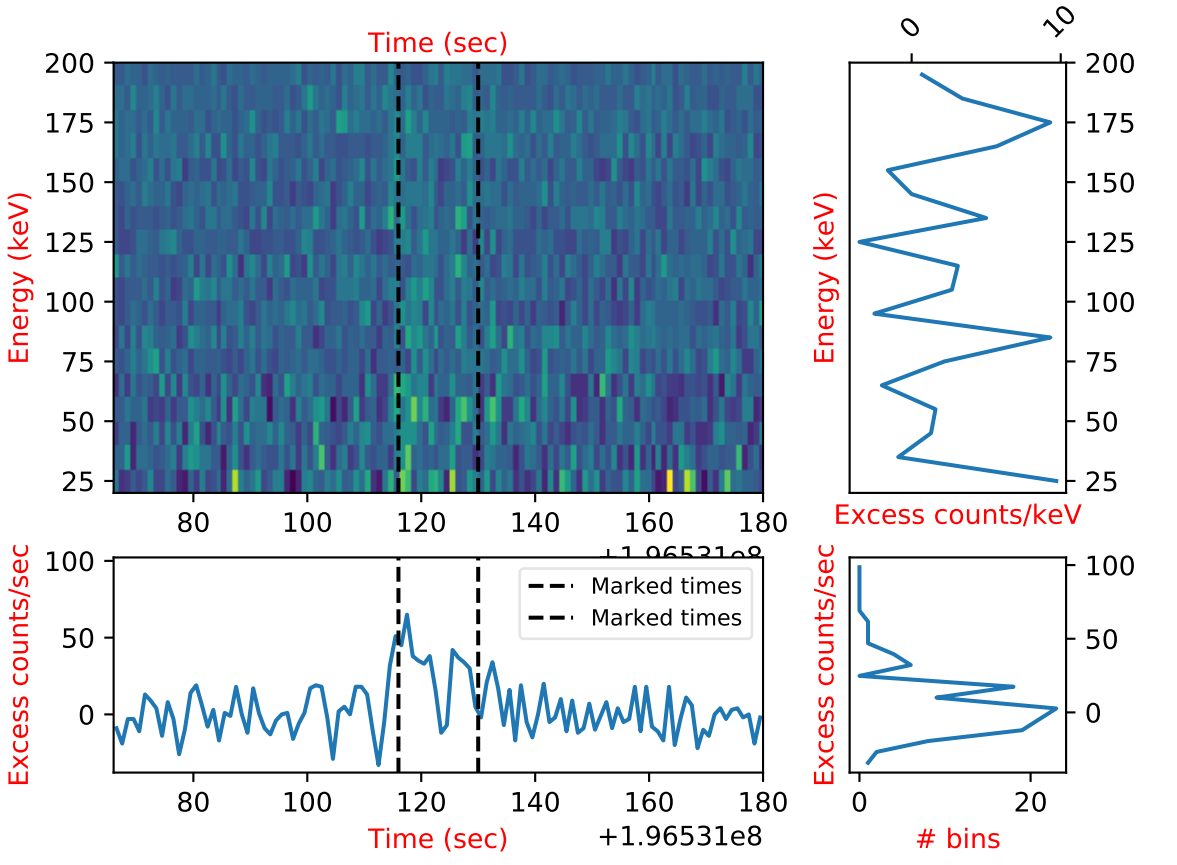

Quadrant B
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
Marked times
Marked times
Time (sec)
+1.96531e8
bins

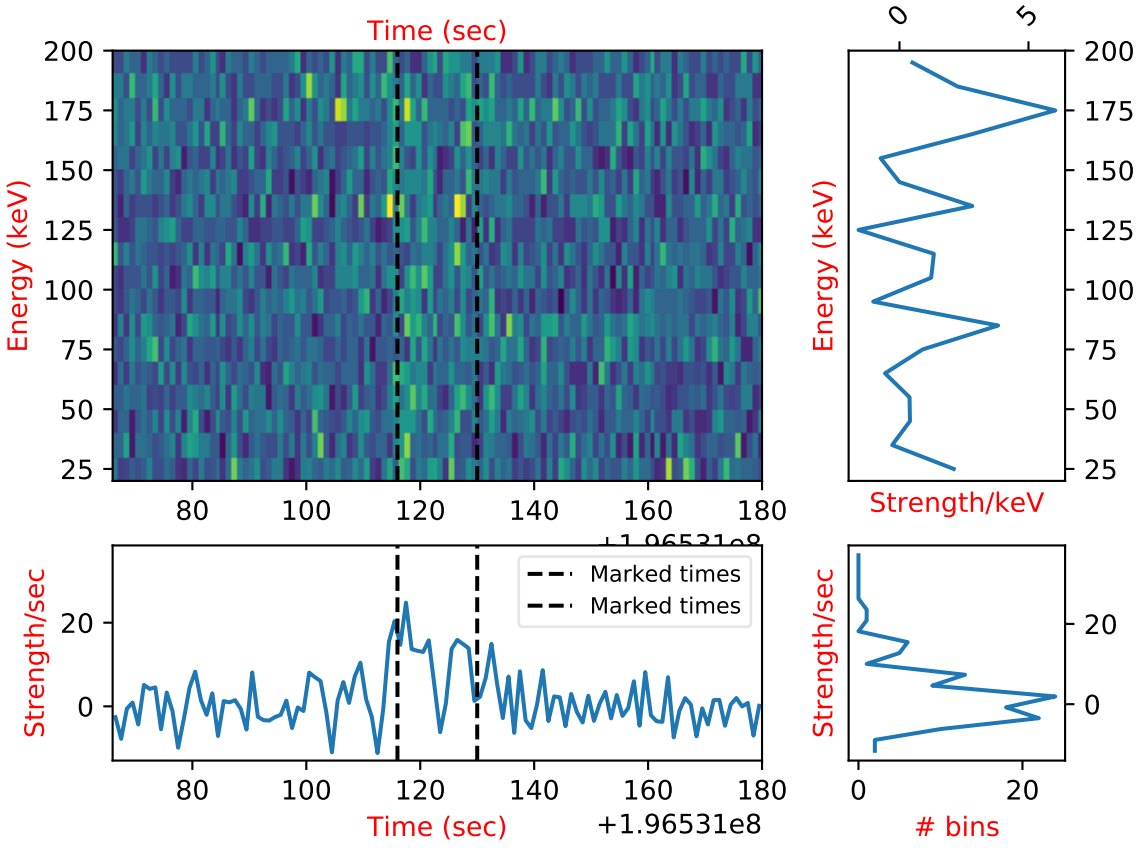

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
160
180
0
25
Excess counts/keV
Excess counts/sec
Marked times
Marked times
300
+1.96531e8
bins

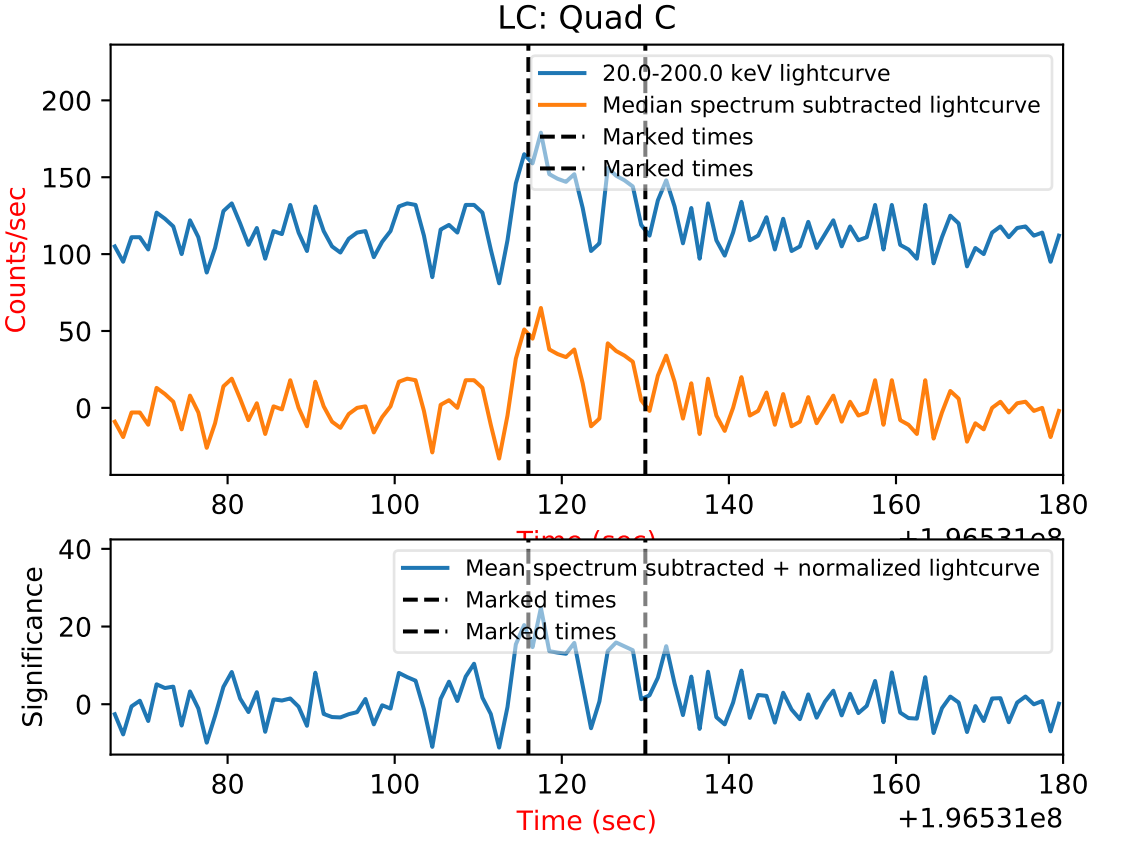

Quadrant B
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
160
180
0
5
Strength/keV
Strength/sec
Marked times
Marked times
+1.96531e8
bins

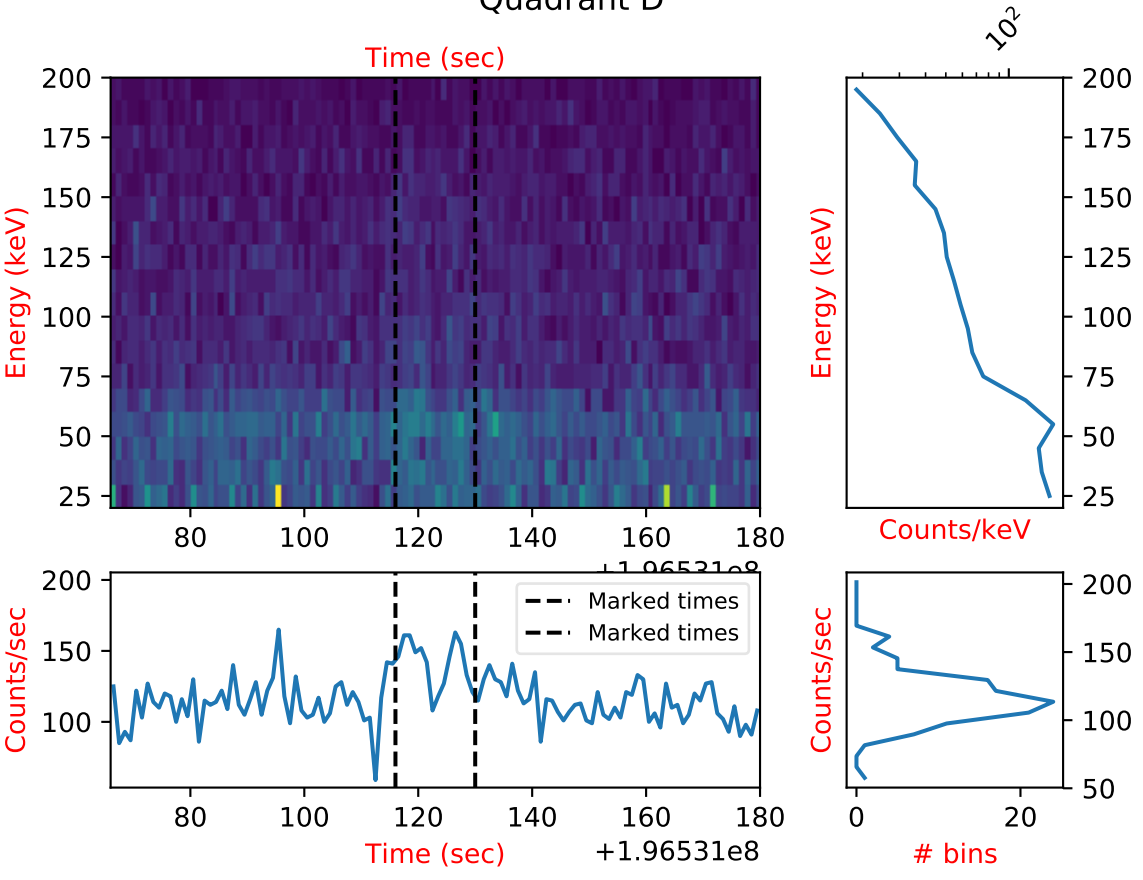

LC: Quad B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
300
200
100
0
80
100
120
140
160
180
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
75
50
25
0
Time (sec)
+1.96531e8

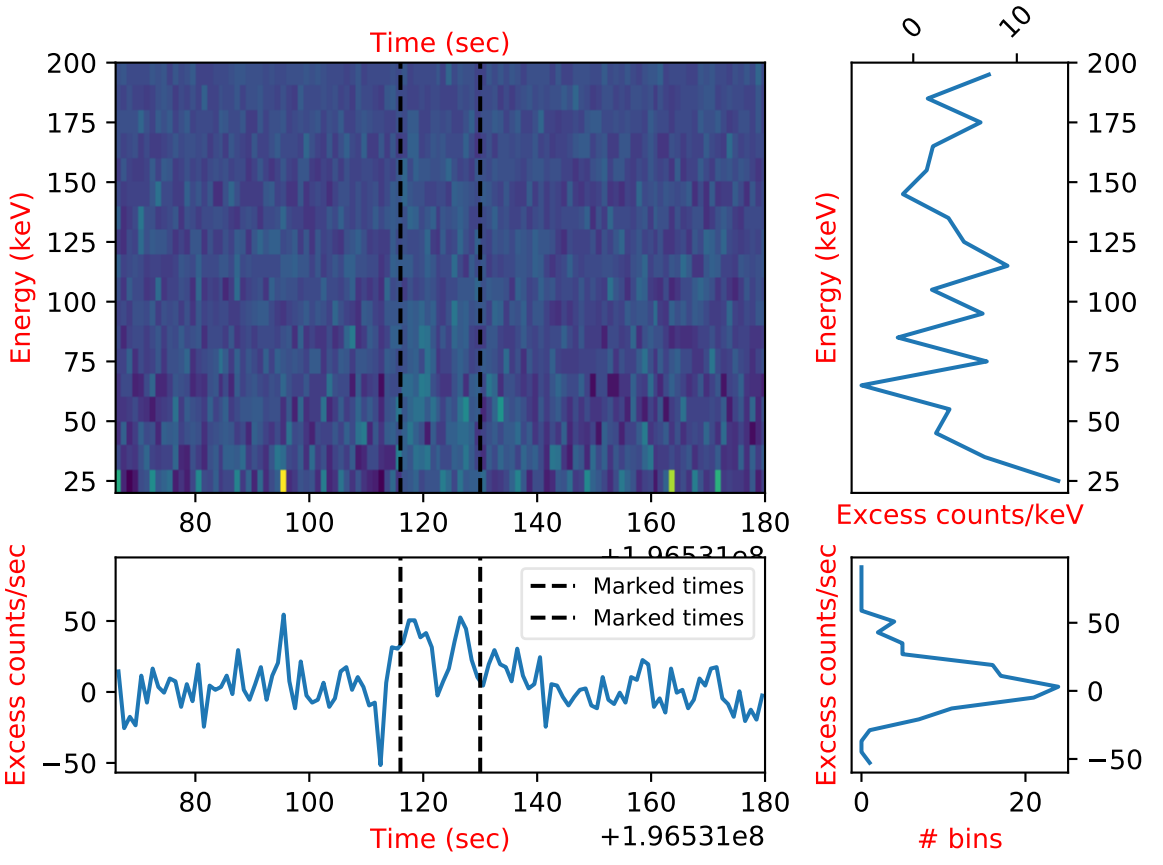

Quadrant C
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
bins
Marked times
Marked times
+1.96531e8

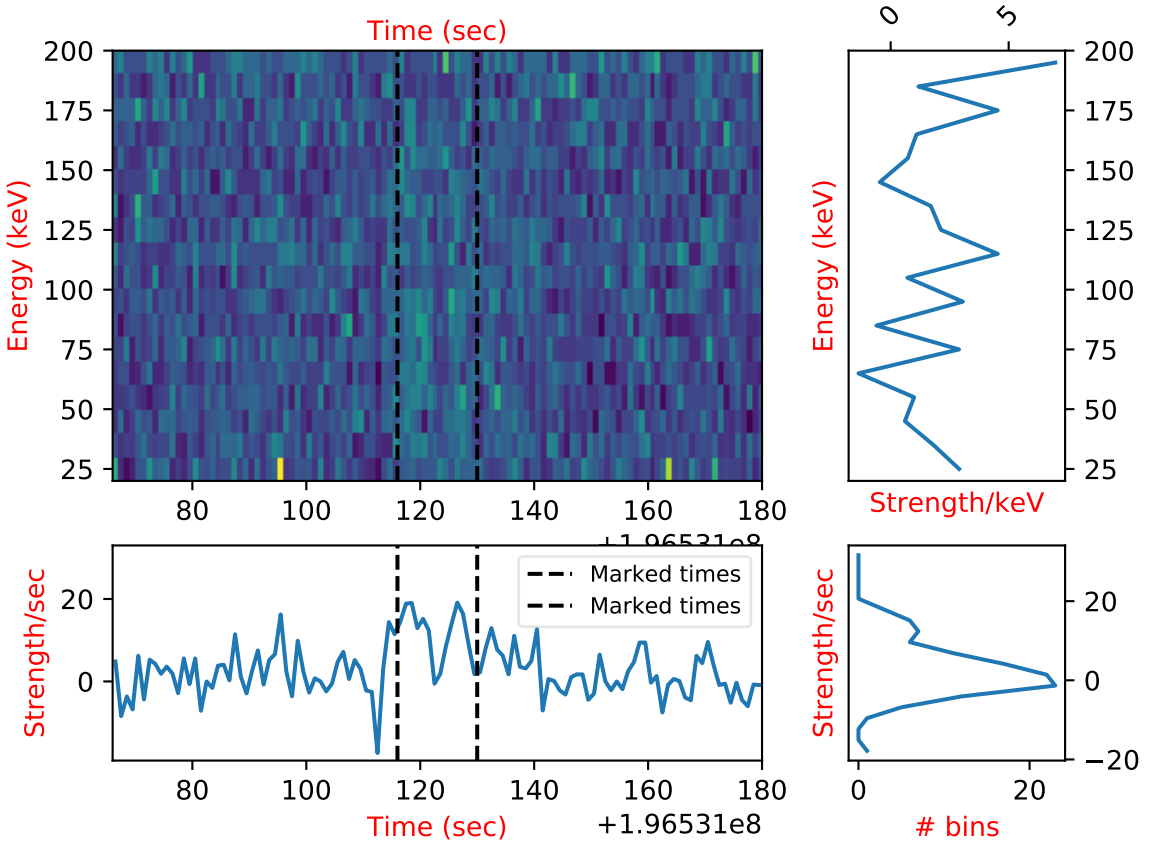

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
160
180
+1.96531e8
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
bins
20

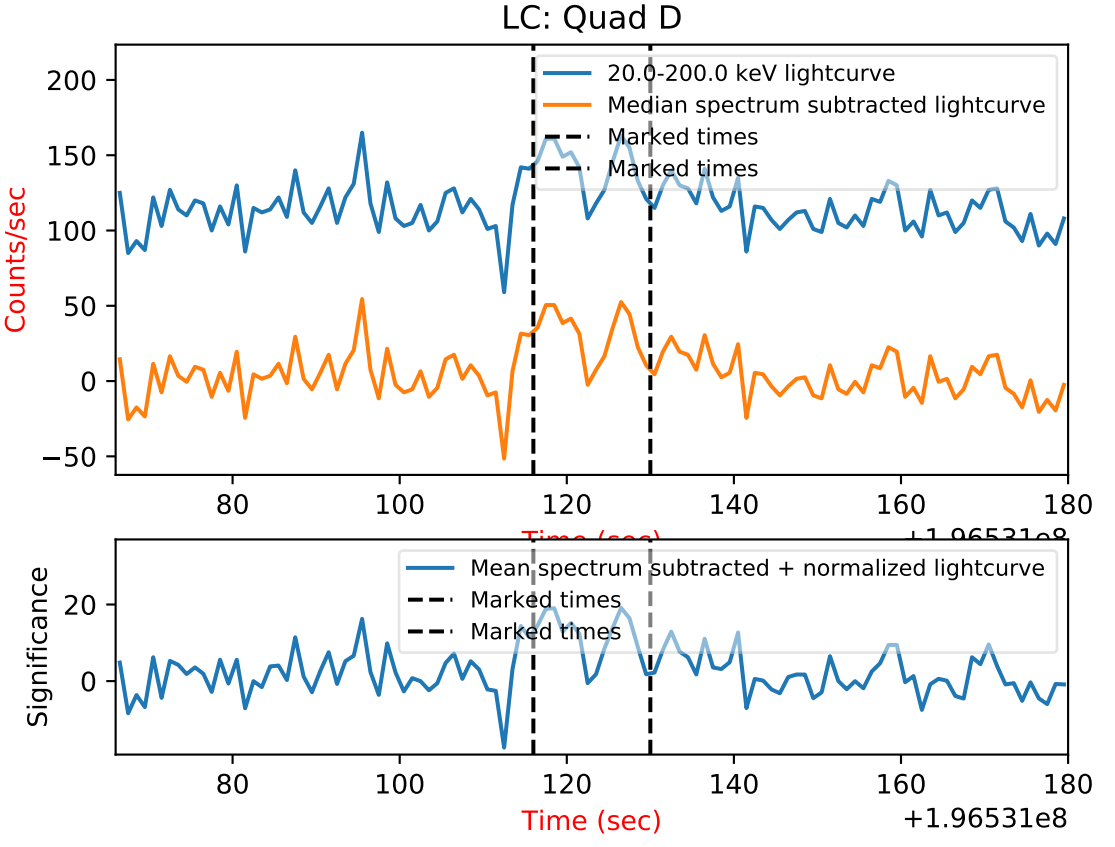

Quadrant C
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
160
180
+1.96531e8
0
5
Strength/keV
Strength/sec
Marked times
Marked times
20
0
bins

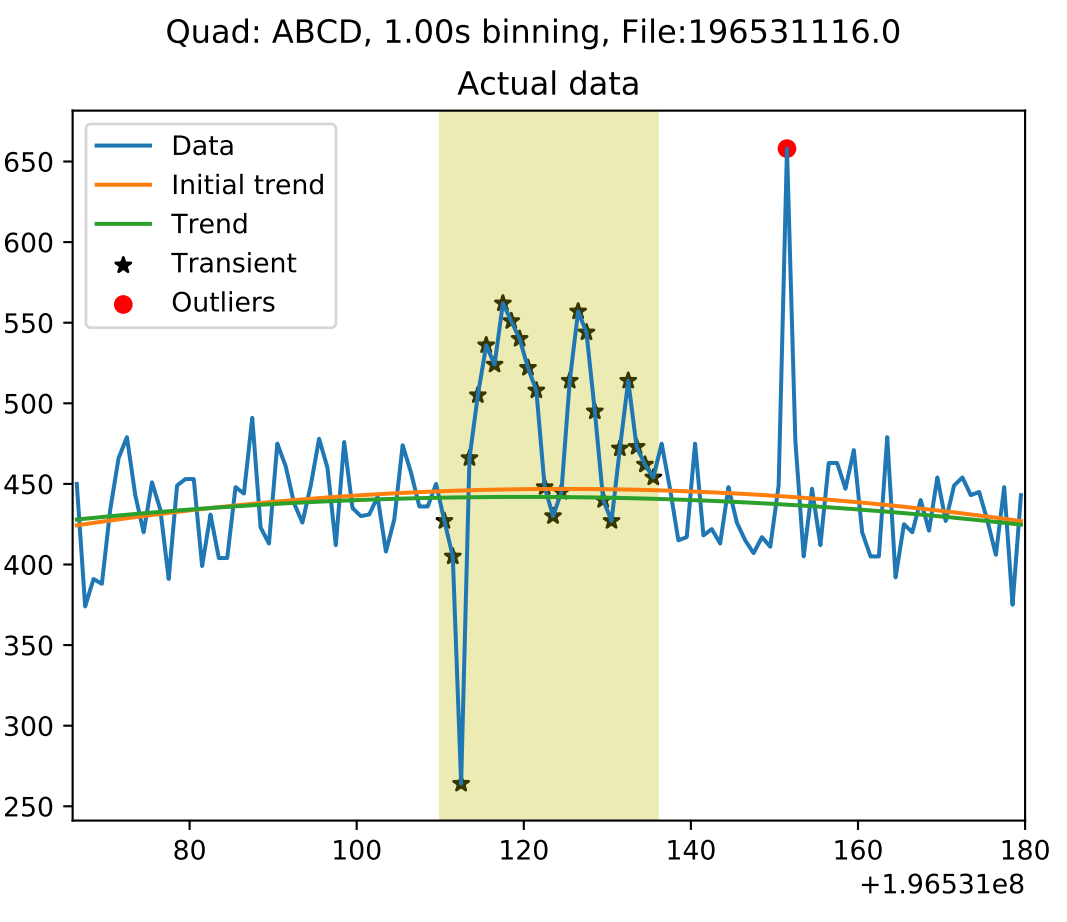

LC: Quad C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
80
100
120
140
160
180
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
40
20
0
Time (sec)
+1.96531e8

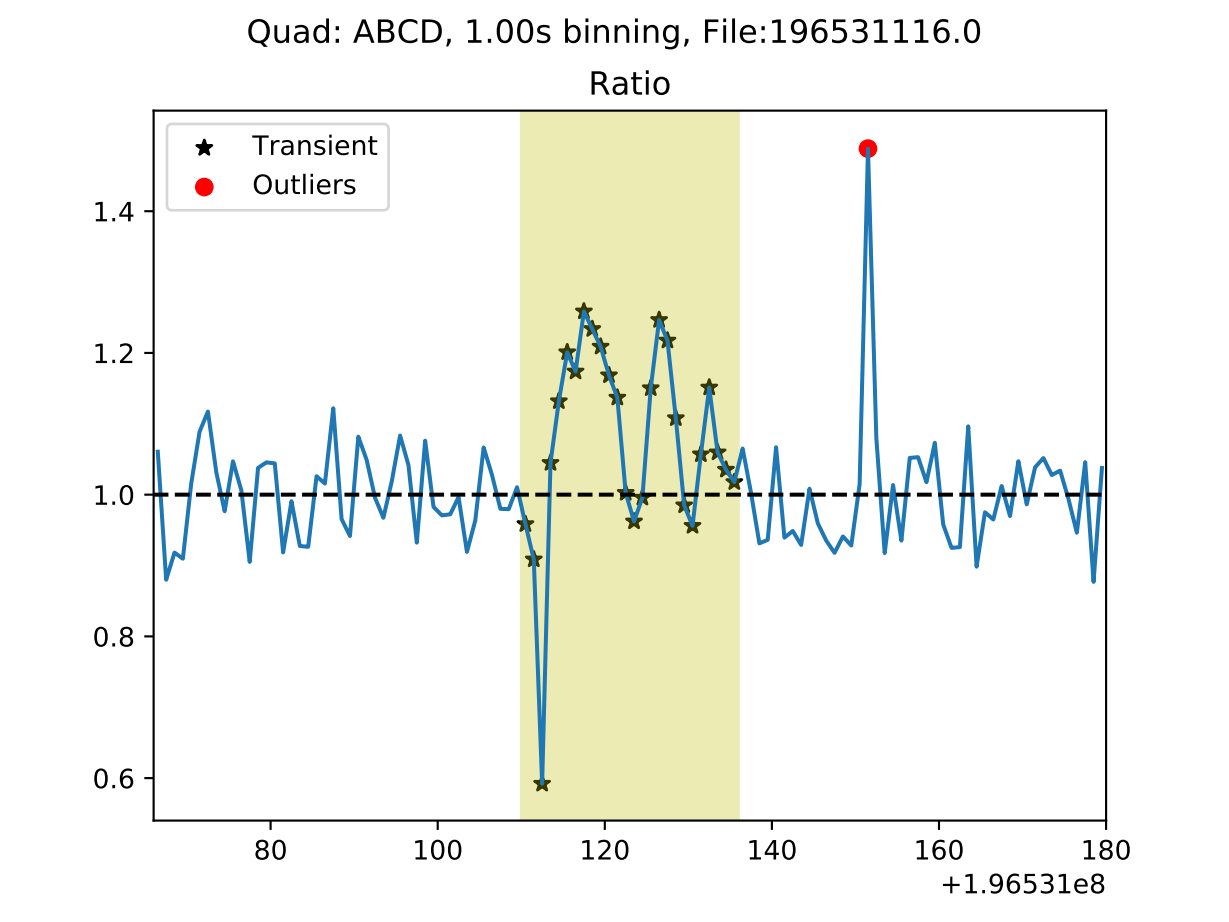

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
160
180
10^2
Counts/keV
Counts/sec
Marked times
Marked times
+1.96531e8
bins
0
20

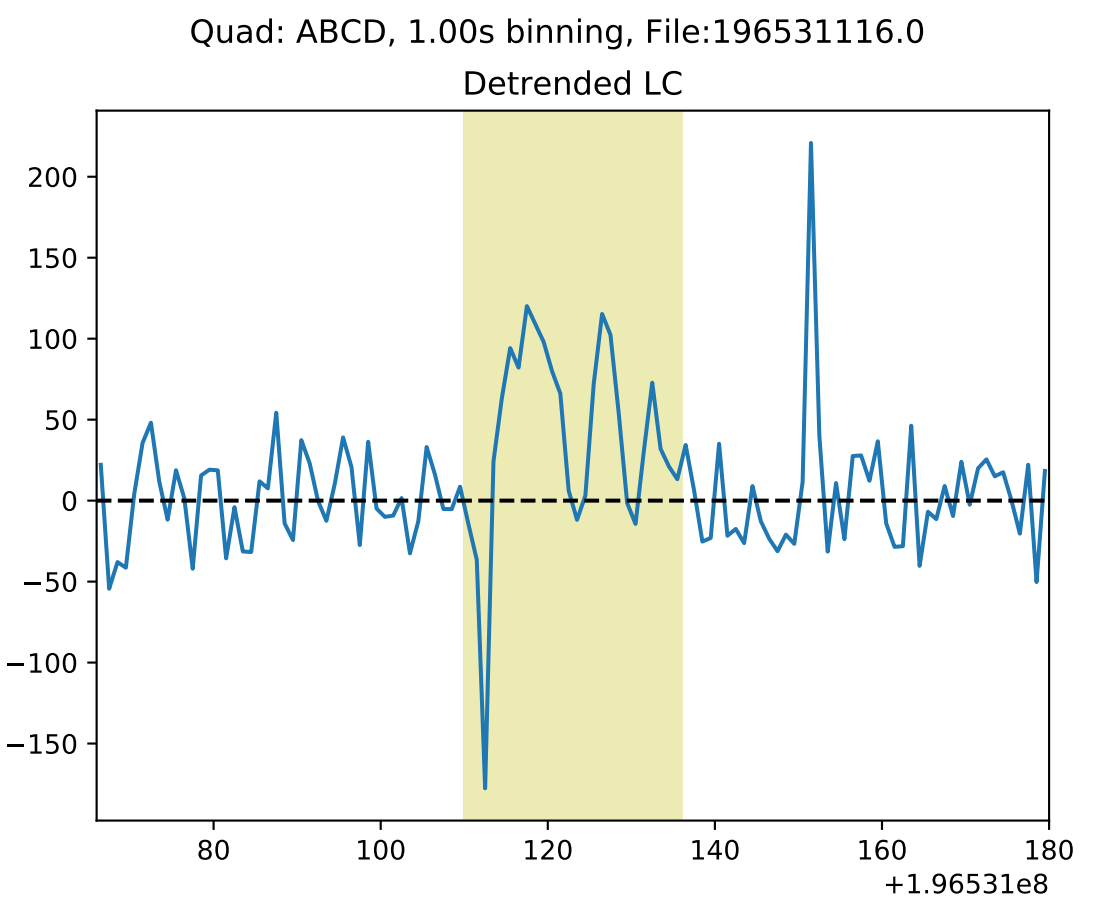

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
160
180
0
10
Excess counts/keV
Excess counts/sec
Marked times
Marked times
50
0
−50
+1.96531e8
bins
20

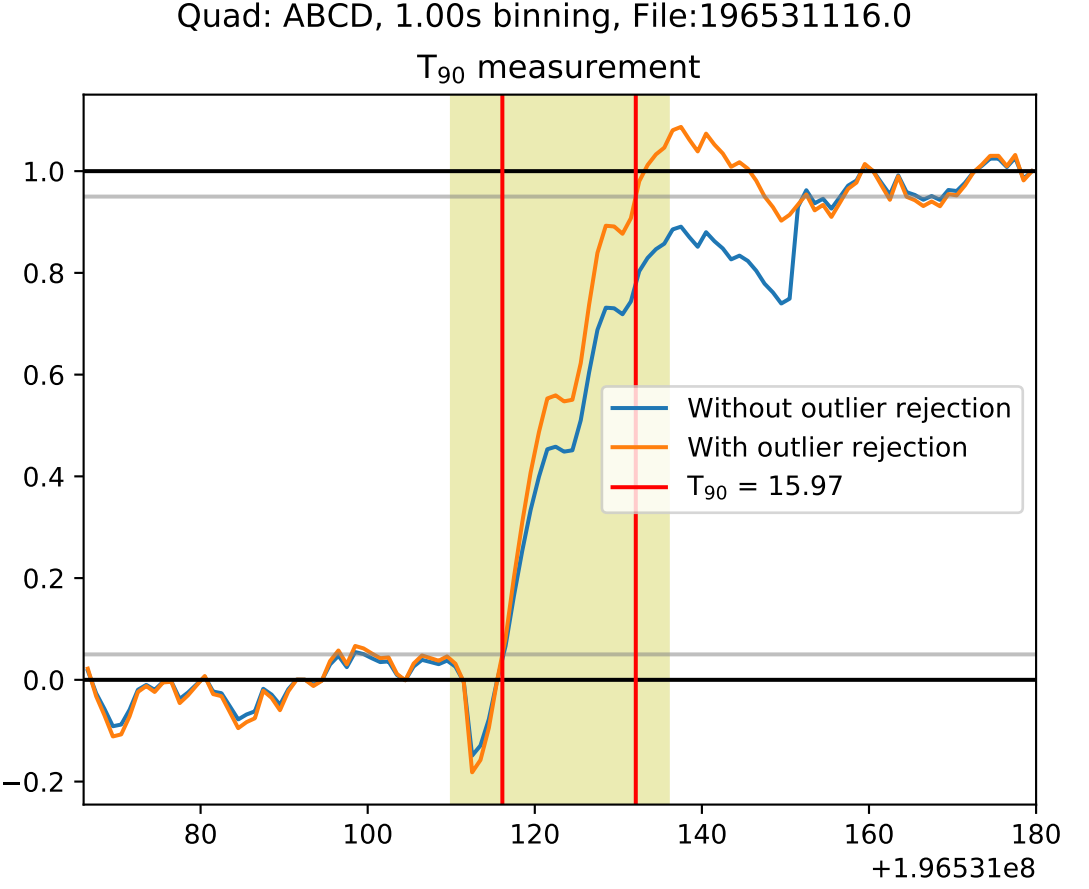

Quadrant D
Time (sec)
Energy (keV)
200
175
150
125
100
75
50
25
80
100
120
140
160
180
0
5
Strength/keV
Strength/sec
20
0
−20
Marked times
Marked times
+1.96531e8
bins

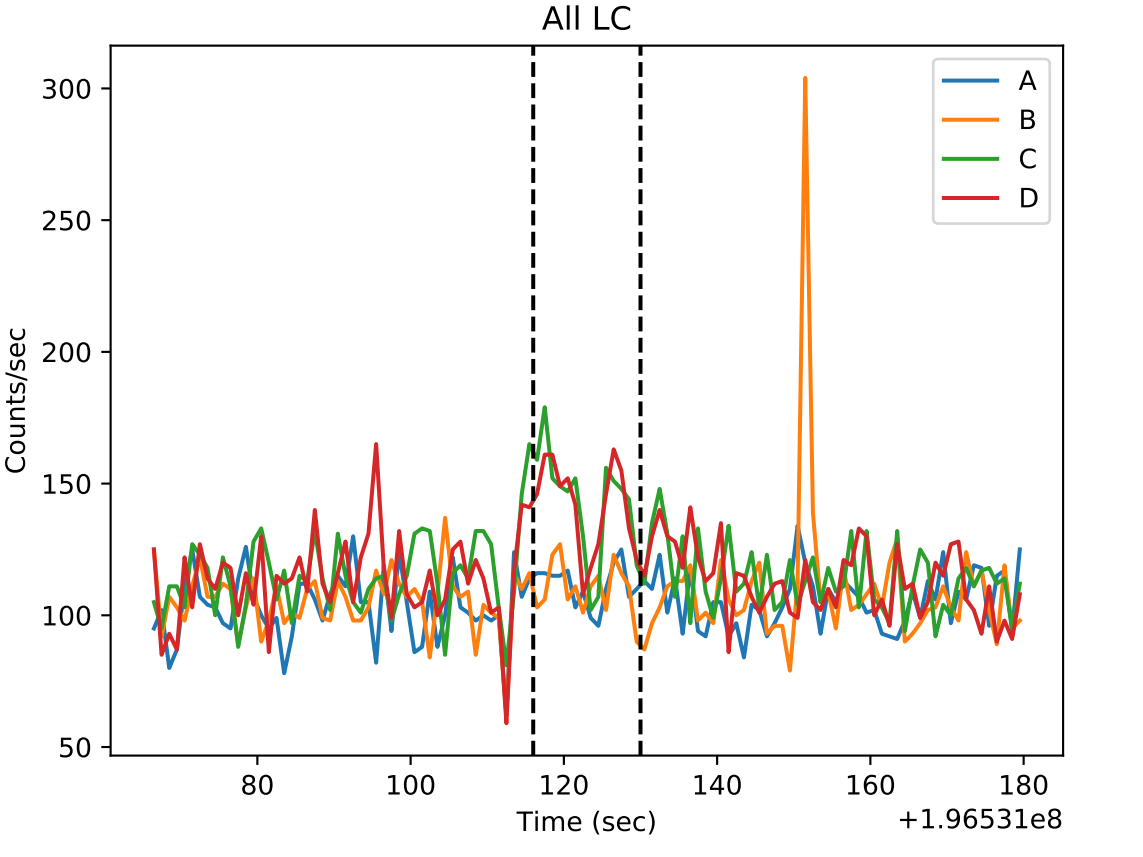

LC: Quad D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Marked times
Counts/sec
200
150
100
50
0
−50
80
100
120
140
160
180
Mean spectrum subtracted + normalized lightcurve
Marked times
Marked times
Significance
20
0
Time (sec)
+1.96531e8


Quad: ABCD, 1.00s binning, File:196531116.0
Actual data
Data
Initial trend
Trend
Transient
Outliers
650
600
550
500
450
400
350
300
250
80
100
120
140
160
180
+1.96531e8


Quad: ABCD, 1.00s binning, File:196531116.0
Ratio
Transient
Outliers
1.4
1.2
1.0
0.8
0.6
80
100
120
140
160
180
+1.96531e8


Quad: ABCD, 1.00s binning, File:196531116.0
Detrended LC
200
150
100
50
0
−50
−100
−150
80
100
120
140
160
180
+1.96531e8


Quad: ABCD, 1.00s binning, File:196531116.0
T90 measurement
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
80
100
120
140
160
180
+1.96531e8
Without outlier rejection
With outlier rejection
T90 = 15.97


All LC
A
B
C
D
300
250
200
150
100
50
Counts/sec
80
100
120
140
160
180
Time (sec)
+1.96531e8