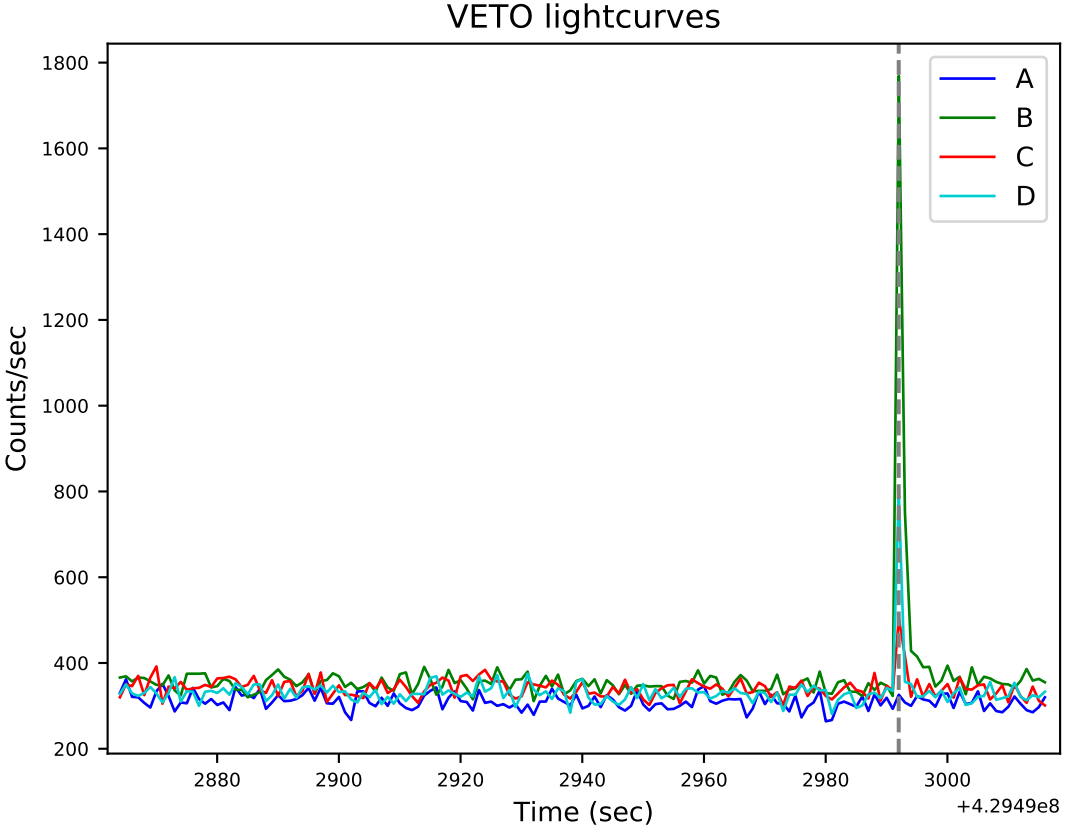
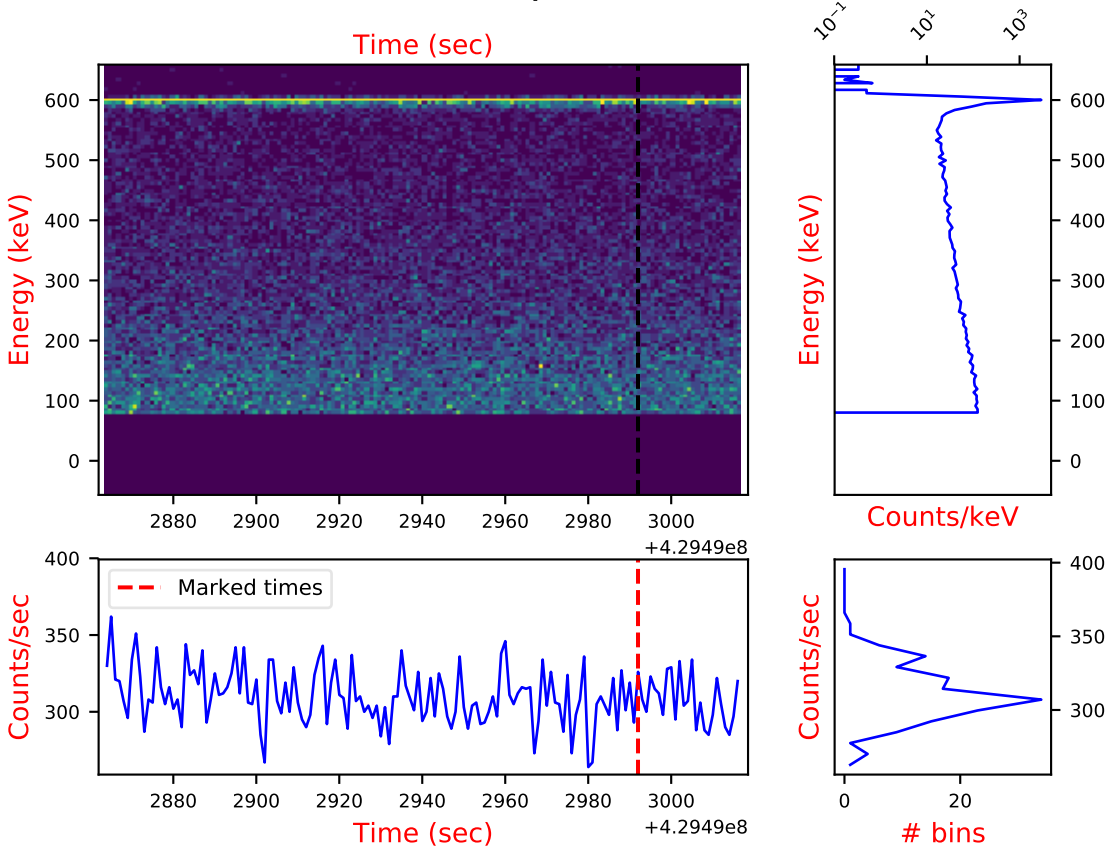
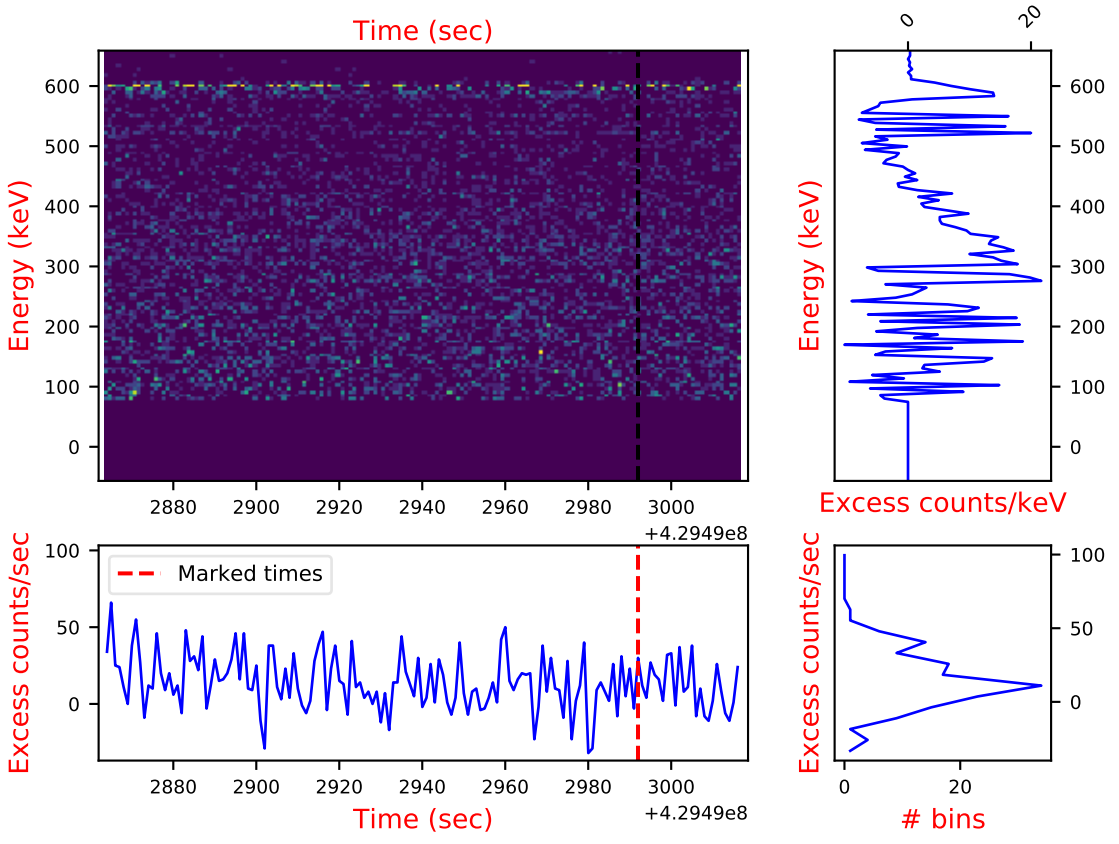
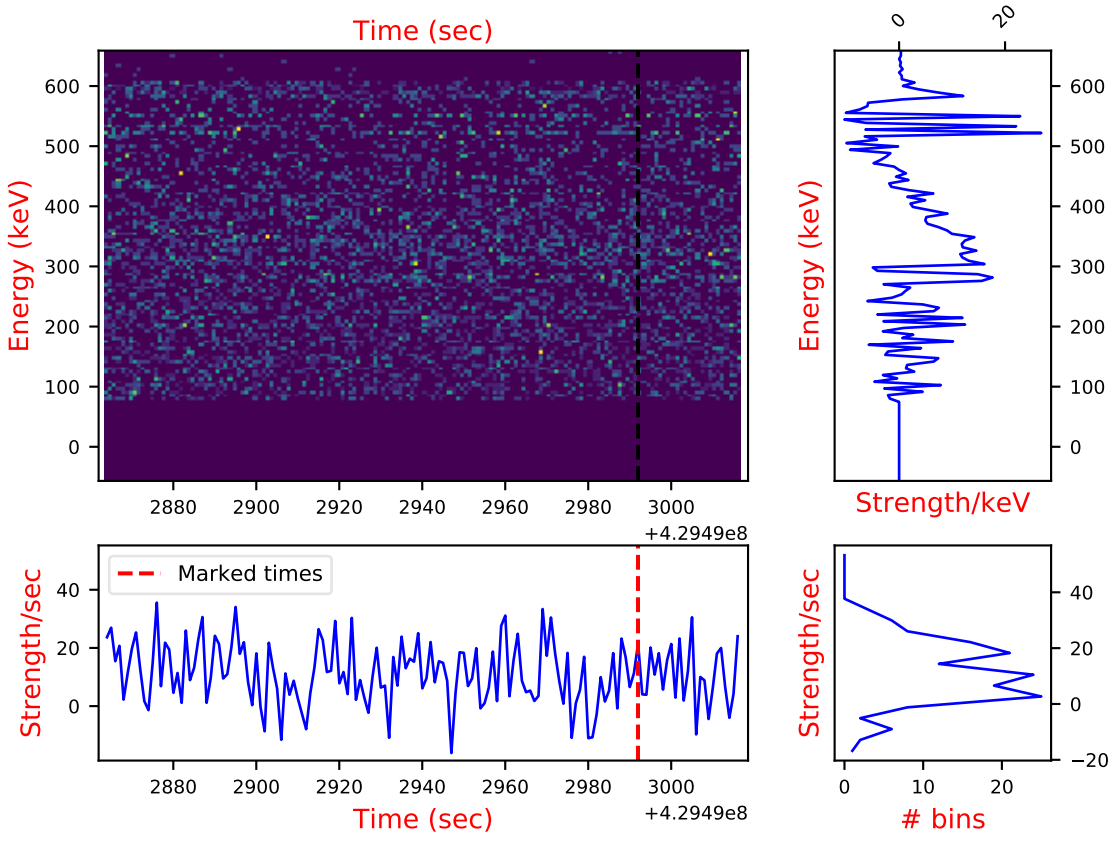
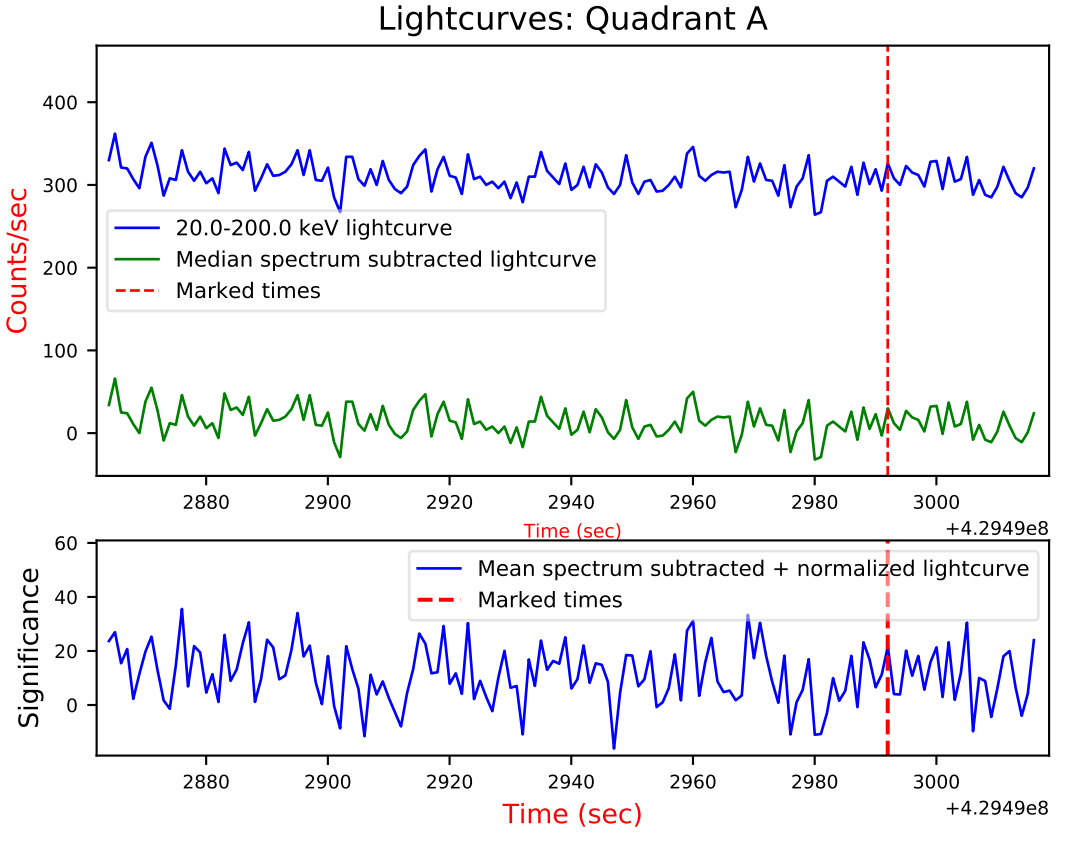
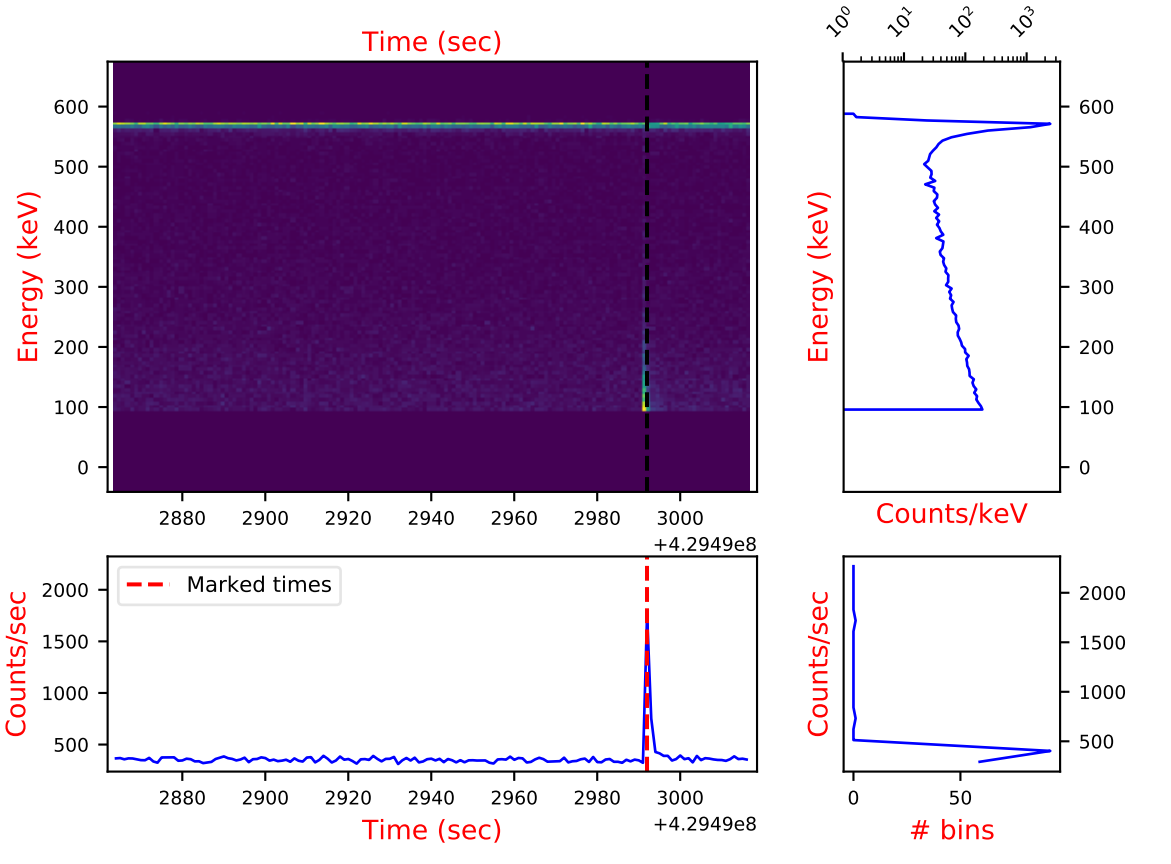

VETO lightcurves
Counts/sec
Time (sec)
+4.2949e8
A
B
C
D
1800
1600
1400
1200
1000
800
600
400
200
2880
2900
2920
2940
2960
2980
3000

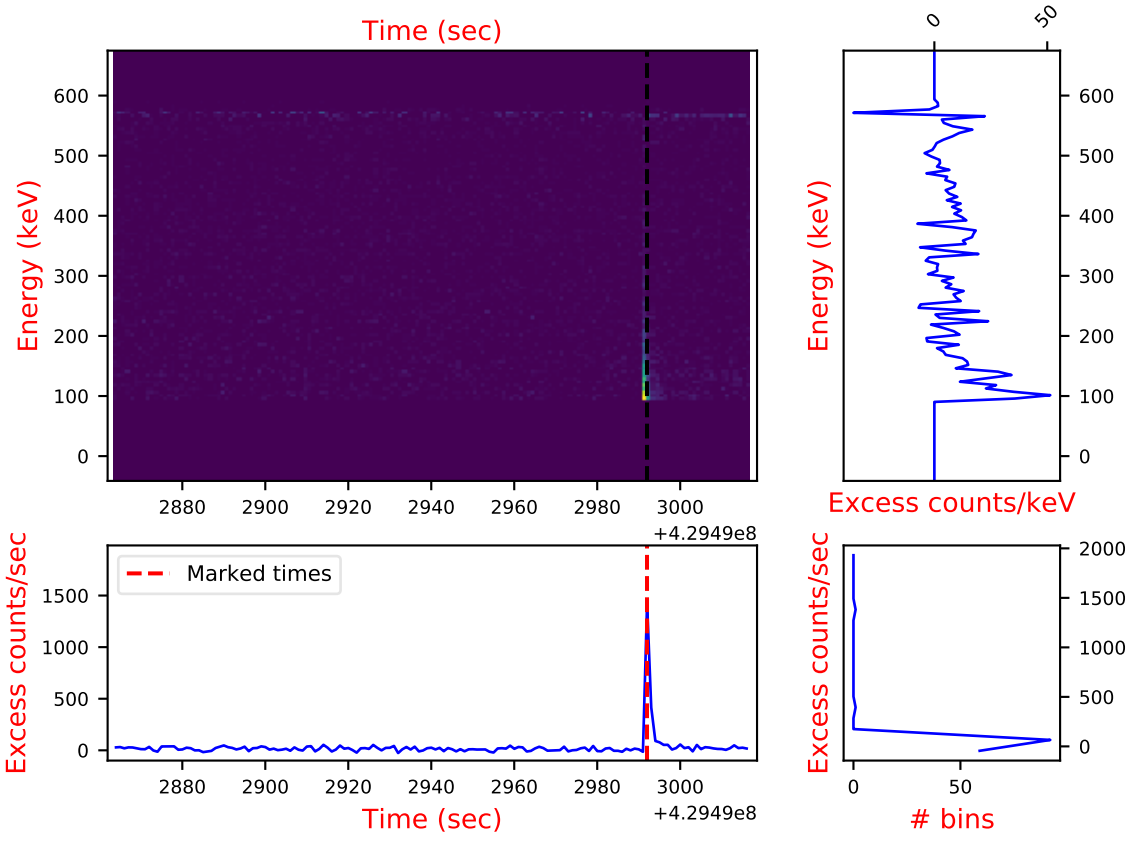

VETO Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
10^{-1}
10^{1}
10^{3}
Energy (keV)
Counts/keV
Counts/sec
Marked times
400
350
300
Counts/sec
Time (sec)
+4.2949e8
0
20
bins

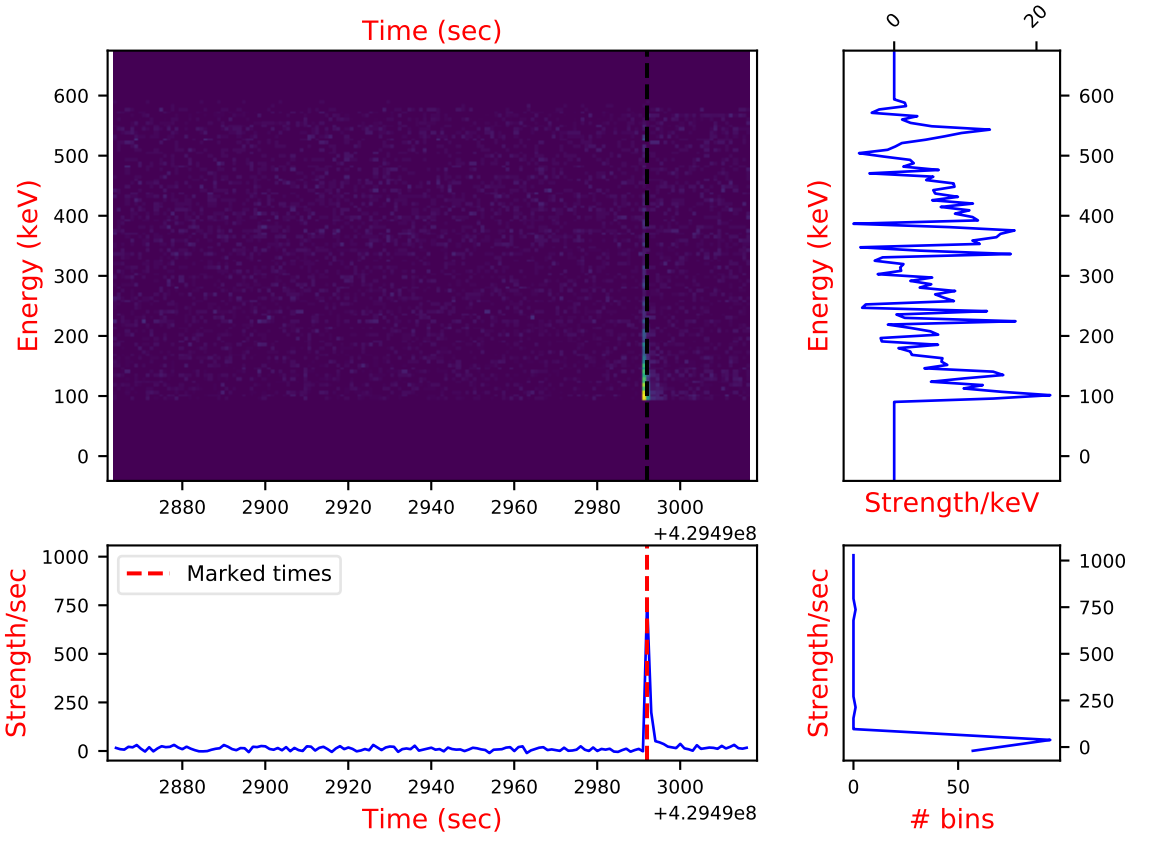

VETO Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
0
20
Energy (keV)
Excess counts/keV
Excess counts/sec
100
50
0
Marked times
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
Time (sec)
Excess counts/sec
0
20
bins

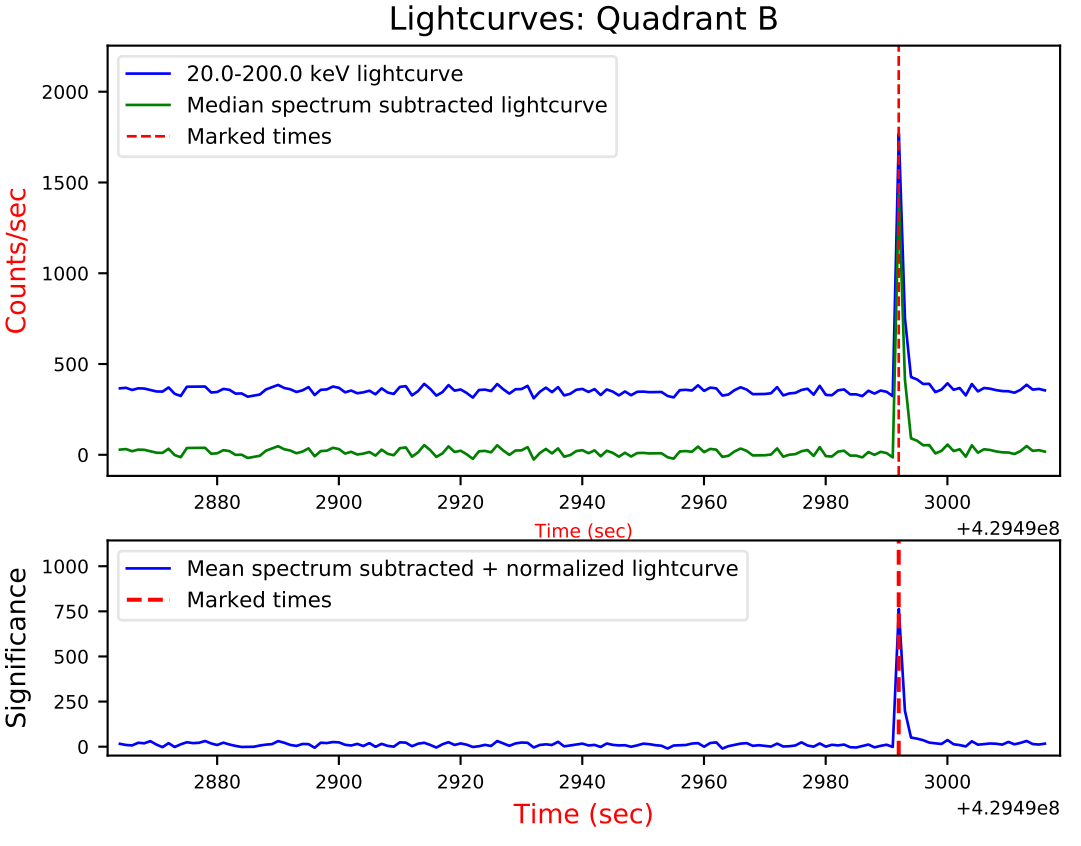

VETO Quadrant A
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
0
20
Energy (keV)
Strength/keV
Marked times
Strength/sec
40
20
0
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
Time (sec)
Strength/sec
40
20
0
−20
0
10
20
bins

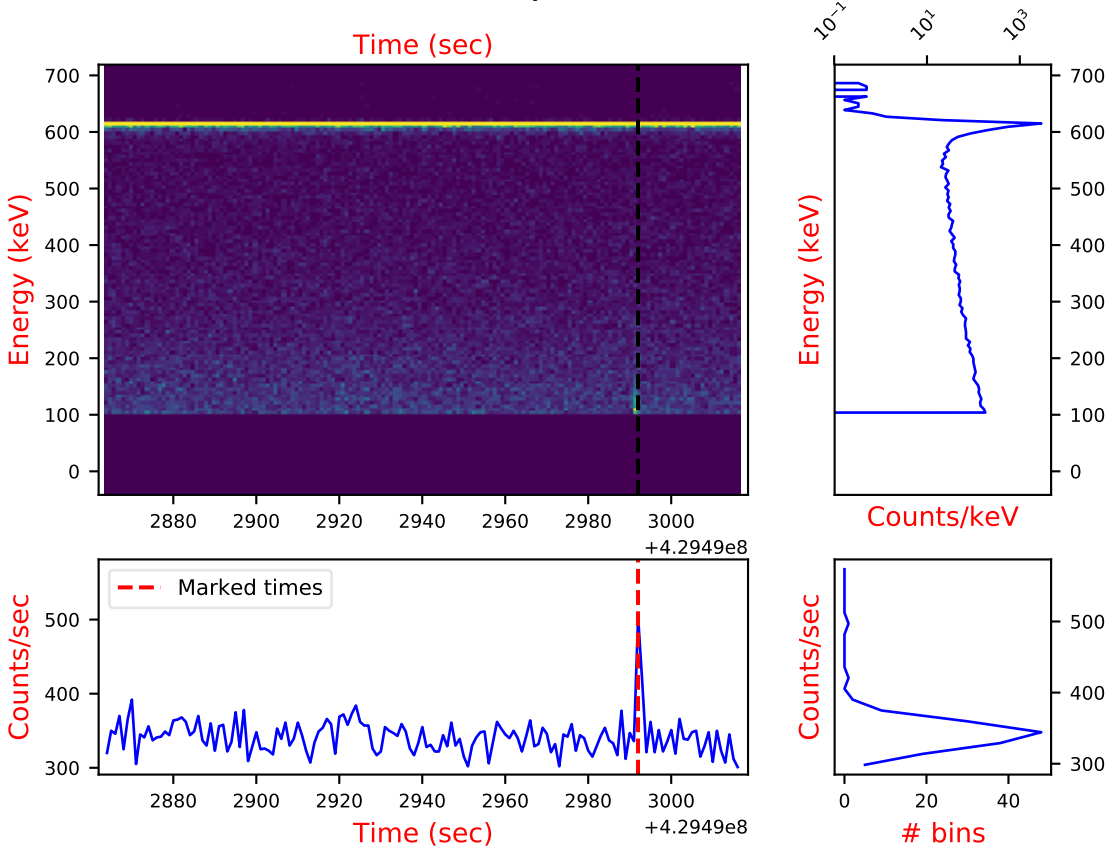

Lightcurves: Quadrant A
Counts/sec
400
300
200
100
0
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
2880
2900
2920
2940
2960
2980
3000
Time (sec)
+4.2949e8
Significance
60
40
20
0
Mean spectrum subtracted + normalized lightcurve
Marked times
2880
2900
2920
2940
2960
2980
3000
Time (sec)
+4.2949e8

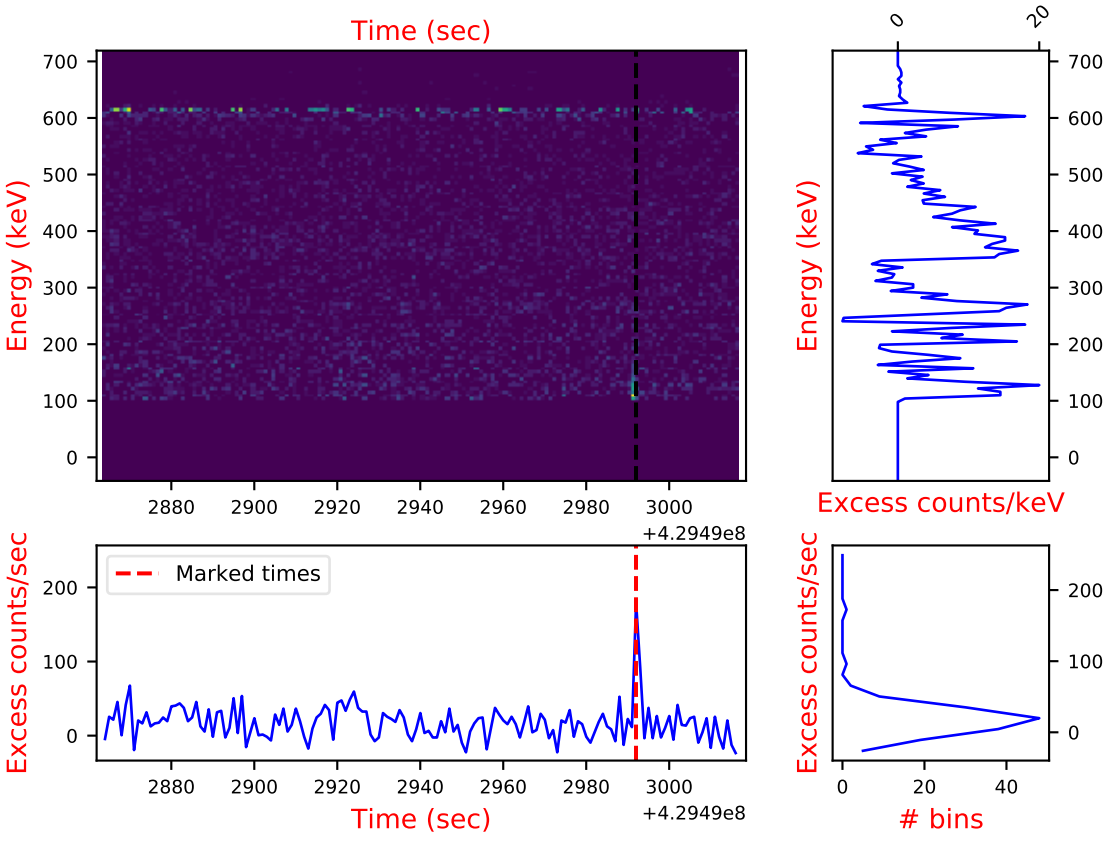

VETO Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
10^0
10^1
10^2
10^3
Counts/keV
Marked times
Counts/sec
2000
1500
1000
500
Time (sec)
bins
50

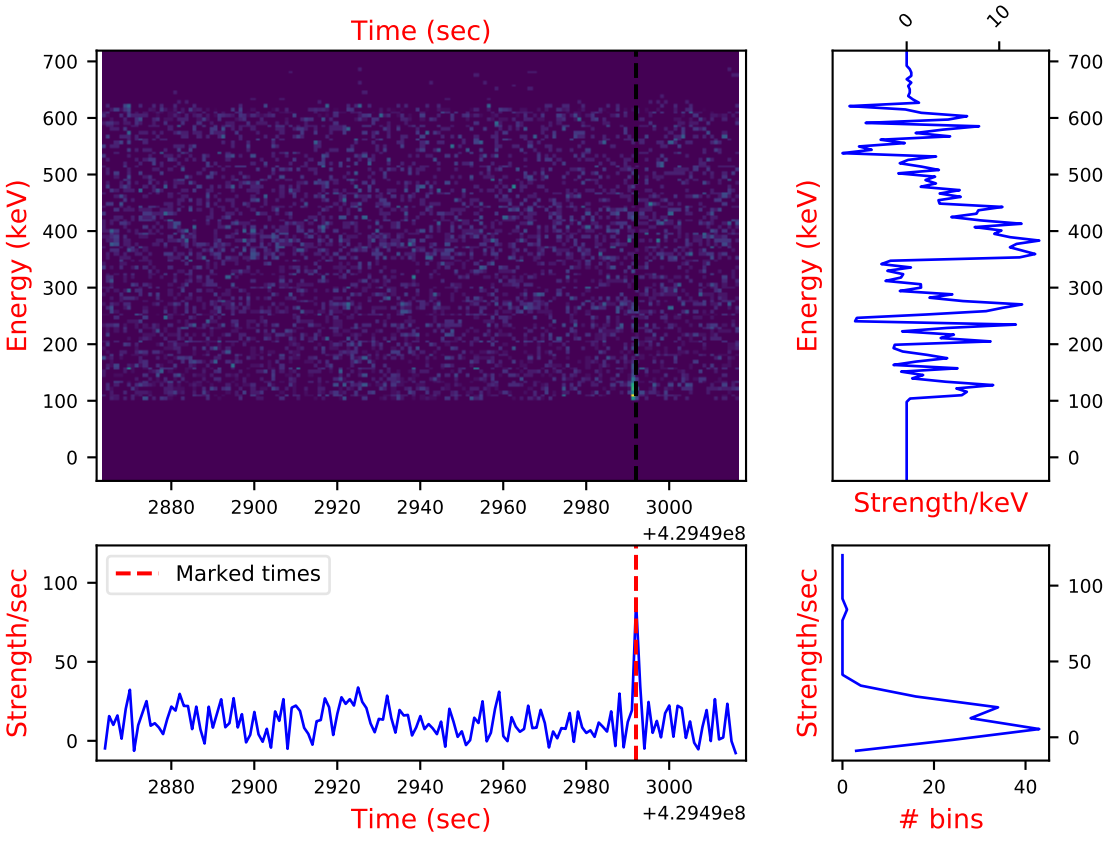

VETO Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
0
50
Energy (keV)
Excess counts/keV
Marked times
Excess counts/sec
1500
1000
500
0
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
Time (sec)
Excess counts/sec
2000
1500
1000
500
0
0
50
bins

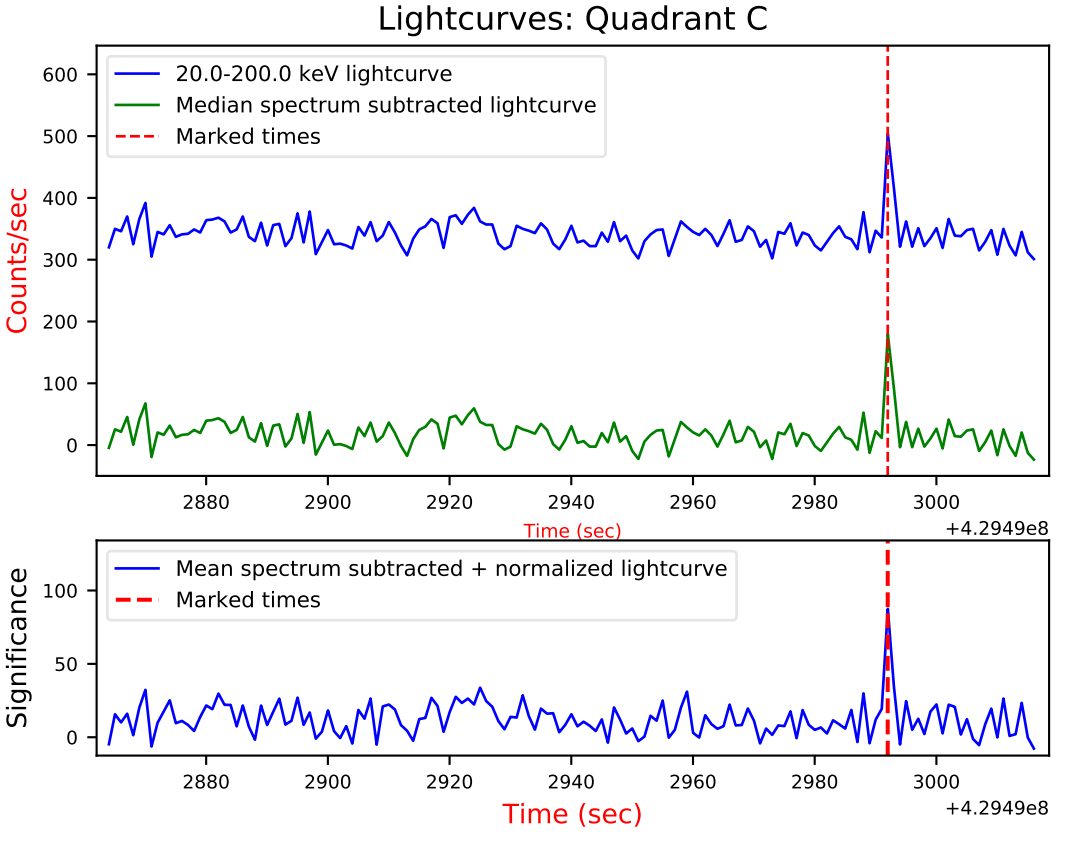

VETO Quadrant B
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
0
20
Strength/keV
Strength/sec
1000
750
500
250
Marked times
Time (sec)
50
bins

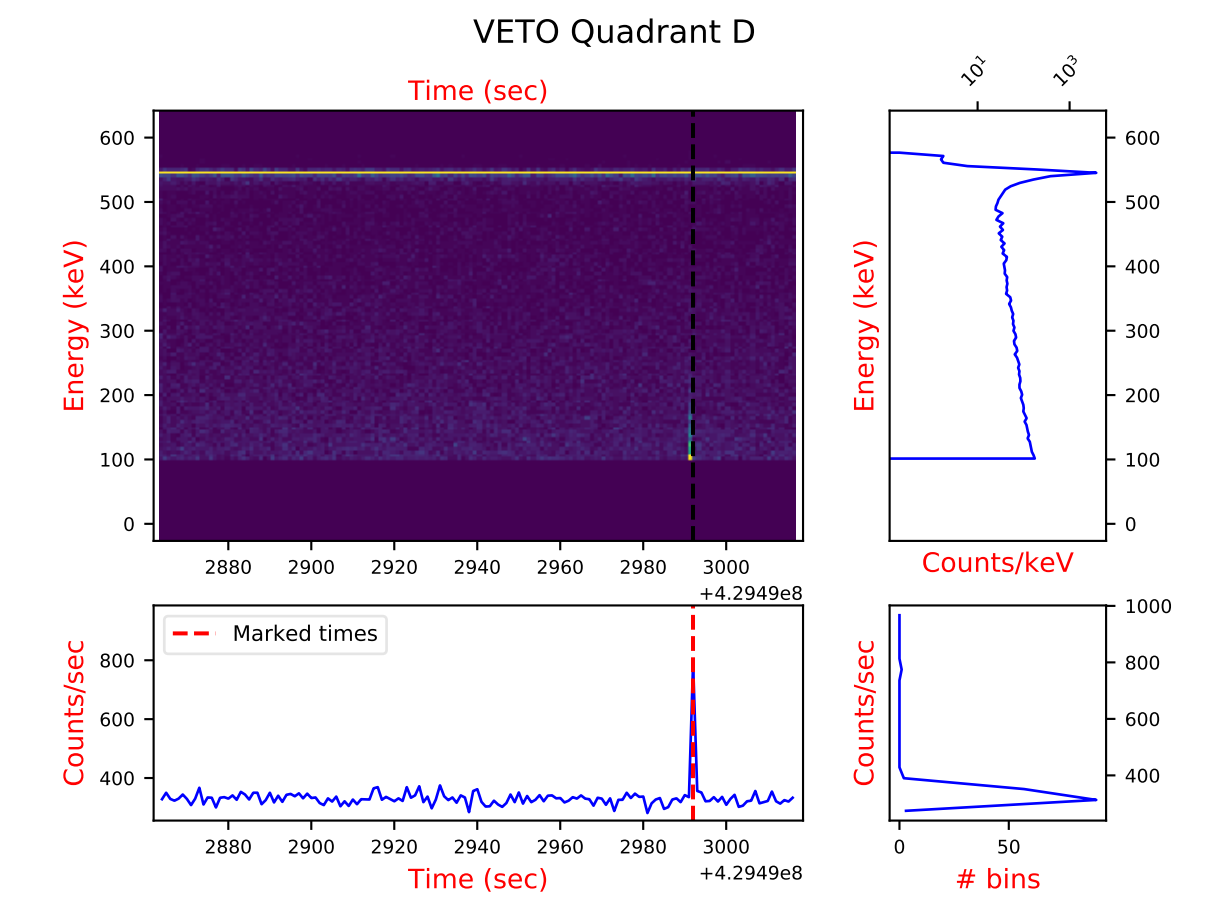

Lightcurves: Quadrant B
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Counts/sec
2000
1500
1000
500
0
2880
2900
2920
2940
2960
2980
3000
Time (sec)
+4.2949e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Significance
1000
750
500
250
0
2880
2900
2920
2940
2960
2980
3000
Time (sec)
+4.2949e8

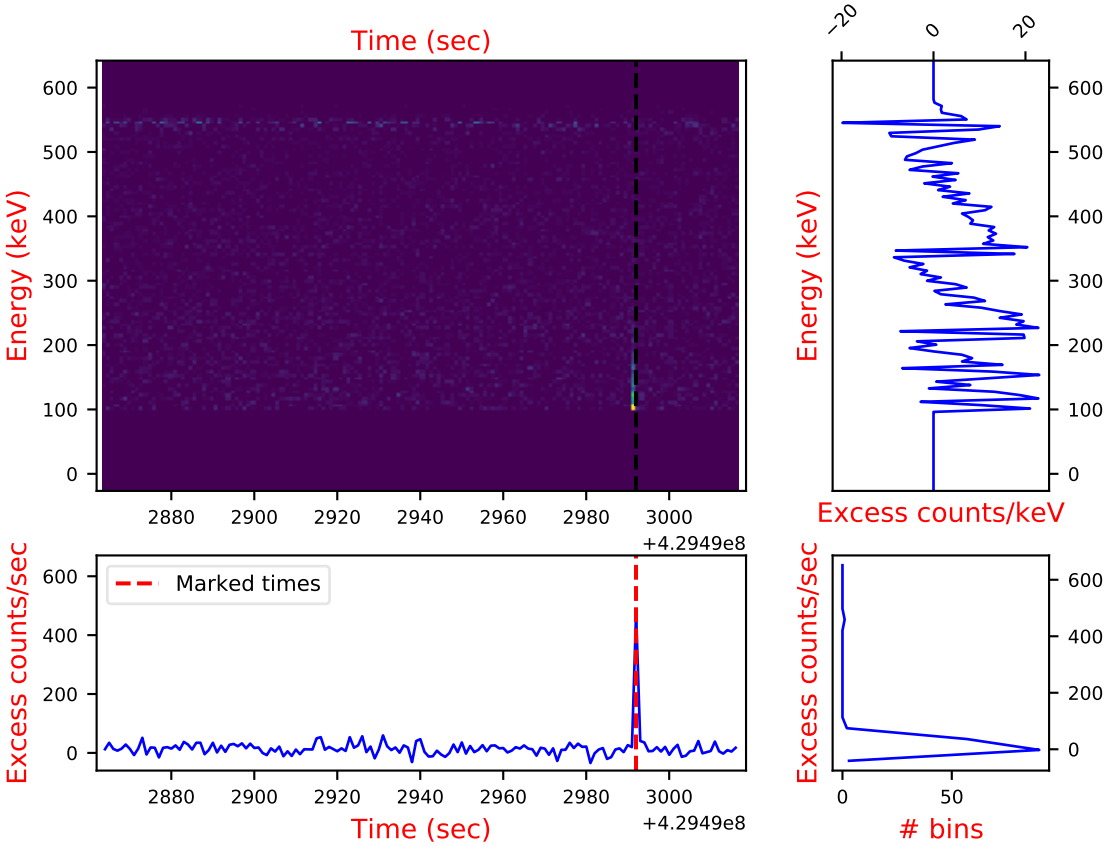

VETO Quadrant C
Time (sec)
Energy (keV)
Counts/keV
Counts/sec
Marked times
bins
+4.2949e8

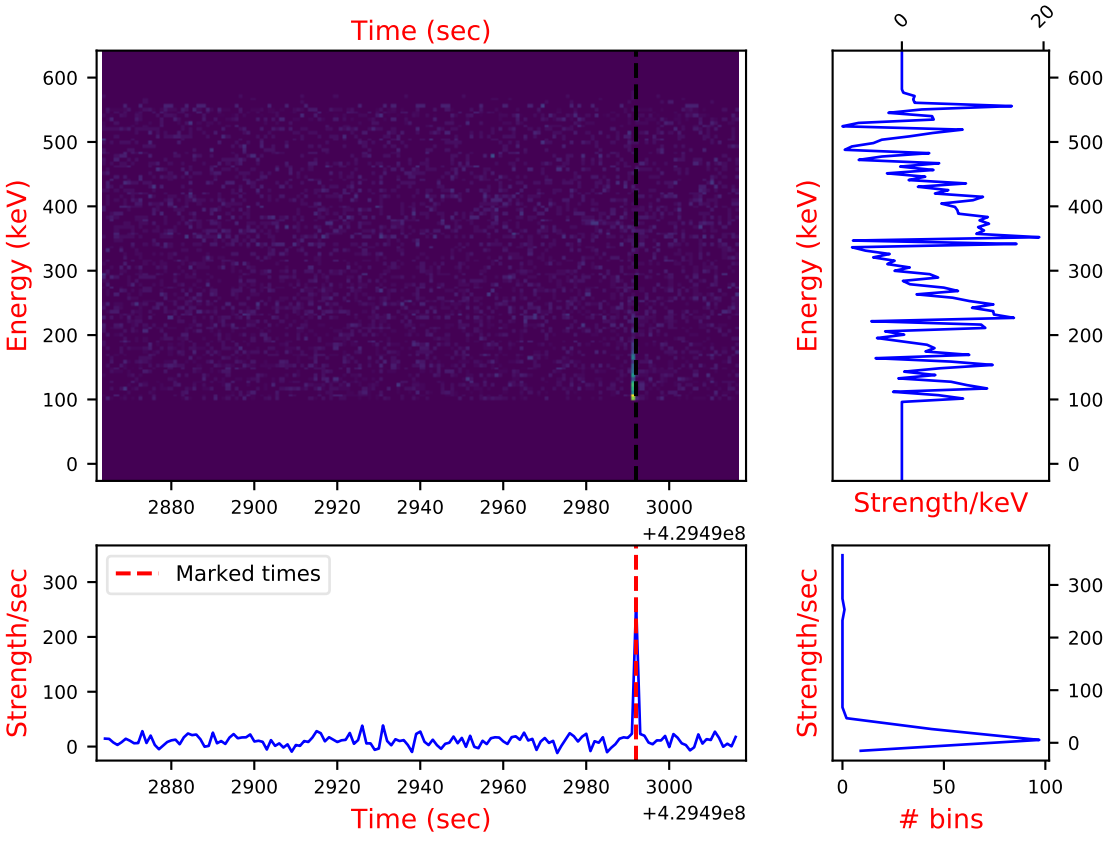

VETO Quadrant C
Time (sec)
Energy (keV)
700
600
500
400
300
200
100
0
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
0
20
Excess counts/keV
Excess counts/sec
Marked times
200
100
0
Time (sec)
+4.2949e8
40
bins

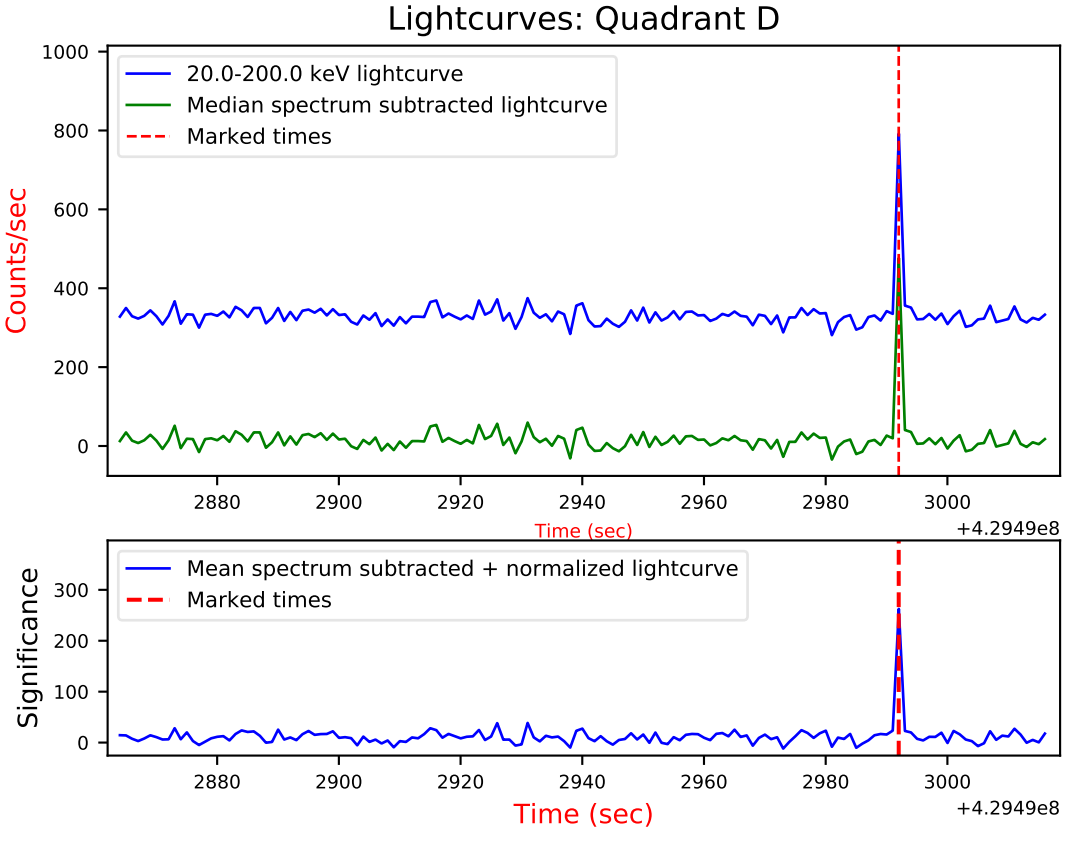

VETO Quadrant C
Time (sec)
Energy (keV)
0
100
200
300
400
500
600
700
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
0
10
Strength/keV
Strength/sec
Marked times
0
50
100
Time (sec)
bins
0
20
40


Lightcurves: Quadrant C
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Counts/sec
600
500
400
300
200
100
0
2880
2900
2920
2940
2960
2980
3000
Time (sec)
+4.2949e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Significance
100
50
0
2880
2900
2920
2940
2960
2980
3000
Time (sec)
+4.2949e8


VETO Quadrant D
Time (sec)
Energy (keV)
600
500
400
300
200
100
0
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
10^1
10^3
Counts/keV
Marked times
Counts/sec
800
600
400
Time (sec)
+4.2949e8
1000
0
50
bins


VETO Quadrant D
Time (sec)
Energy (keV)
Excess counts/keV
Excess counts/sec
Marked times
+4.2949e8
bins


VETO Quadrant D
Time (sec)
Energy (keV)
0
100
200
300
400
500
600
2880
2900
2920
2940
2960
2980
3000
+4.2949e8
0
20
Strength/keV
Strength/sec
Marked times
Time (sec)
bins
0
50
100


Lightcurves: Quadrant D
20.0-200.0 keV lightcurve
Median spectrum subtracted lightcurve
Marked times
Counts/sec
1000
800
600
400
200
0
2880
2900
2920
2940
2960
2980
3000
Time (sec)
+4.2949e8
Mean spectrum subtracted + normalized lightcurve
Marked times
Significance
300
200
100
0
2880
2900
2920
2940
2960
2980
3000
Time (sec)
+4.2949e8