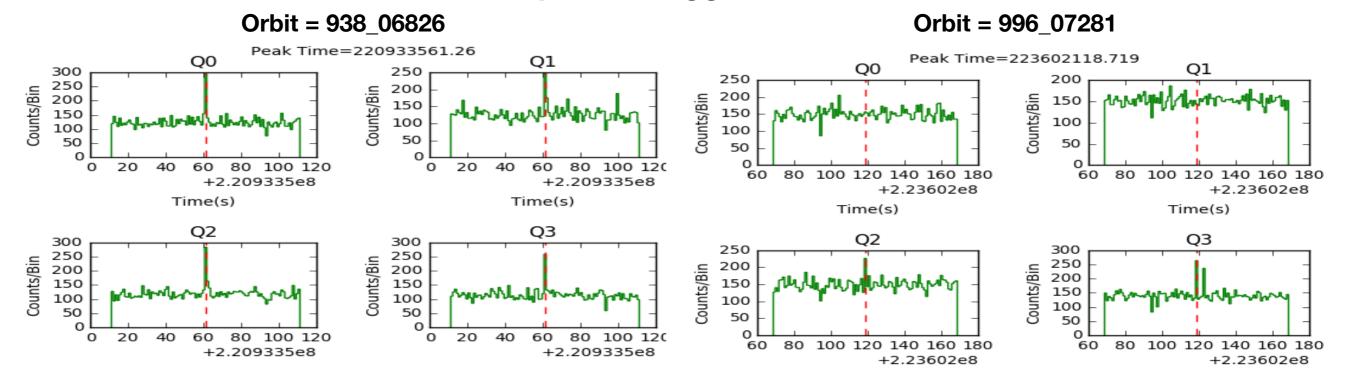
Identification of Non-Poissonian Peaks

Shabnam Iyyani, Vidushi Sharma and Priyanka Shahane

- Code ran on CZTI data (Jan 2017) of triggered GRB search list including those reported in GCN and not reported in GCN (Fermi): 20 Astrosat orbits
- All the GRBs reported to be detected by CZTI are found in the runs 4 GRBs (170101B, 170115B, 170121B, 170105A).

Threshold	Detections	False alarms	Total
3 sigma	20	4	24
5 sigma	7	1	8
7 sigma	3	0	3

There seems to be 2 not reported/triggered detections.



Ongoing work

- Redid the search on noise reduced files
 With SAA related cuts on data, the earlier detected GRBs could not be found.
- Redid the search on noise reduced files without SAA cuts.
 Found 3 out of 4 reported GRBs -(one noise reduced file crashed while its generation reproducing it).
- Search code for Veto is completed.
- Trial is being carried out.
- Blind search is being carried out on the remaining orbits of Jan 2017.

Caveats

- Search done only on 1s binning.
- Live time correction is not taken into account.
- Detrending is not done.