

Q&A (Monday, Jul 19 2021)

Q. Is Bayesian blocks binning supported for the GBM data?

A. It is not currently implemented directly, you can add your own binning functions, see here for an example:

https://fermi.gsfc.nasa.gov/ssc/data/analysis/gbm/gbm_data_tools/gdt-docs/notebooks/Plugins.html#Data-Binning

Q. How do you decide what energy range to integrate over for the lightcurves?

A. For GRB, majority of the signal would be in the 50-300keV range.

Q. Does the `ctime.to_lightcurve()` only work for GRBs? Can we use it for other source types? (slide 4)

A. You can use `ctime.to_lightcurve()` for any source types.

Q. Please elaborate the importance of binning

A. Rebinning data is important for quick look to see the signal and figure out which part of the burst you would like to analyze.

Q. Does the background spectrum have to be below the GBM spectrum all the time when fitting, slide 11

A. The GRB spectrum will not be above the background in all energies. In the slide you can see at higher energies the two are closer together.