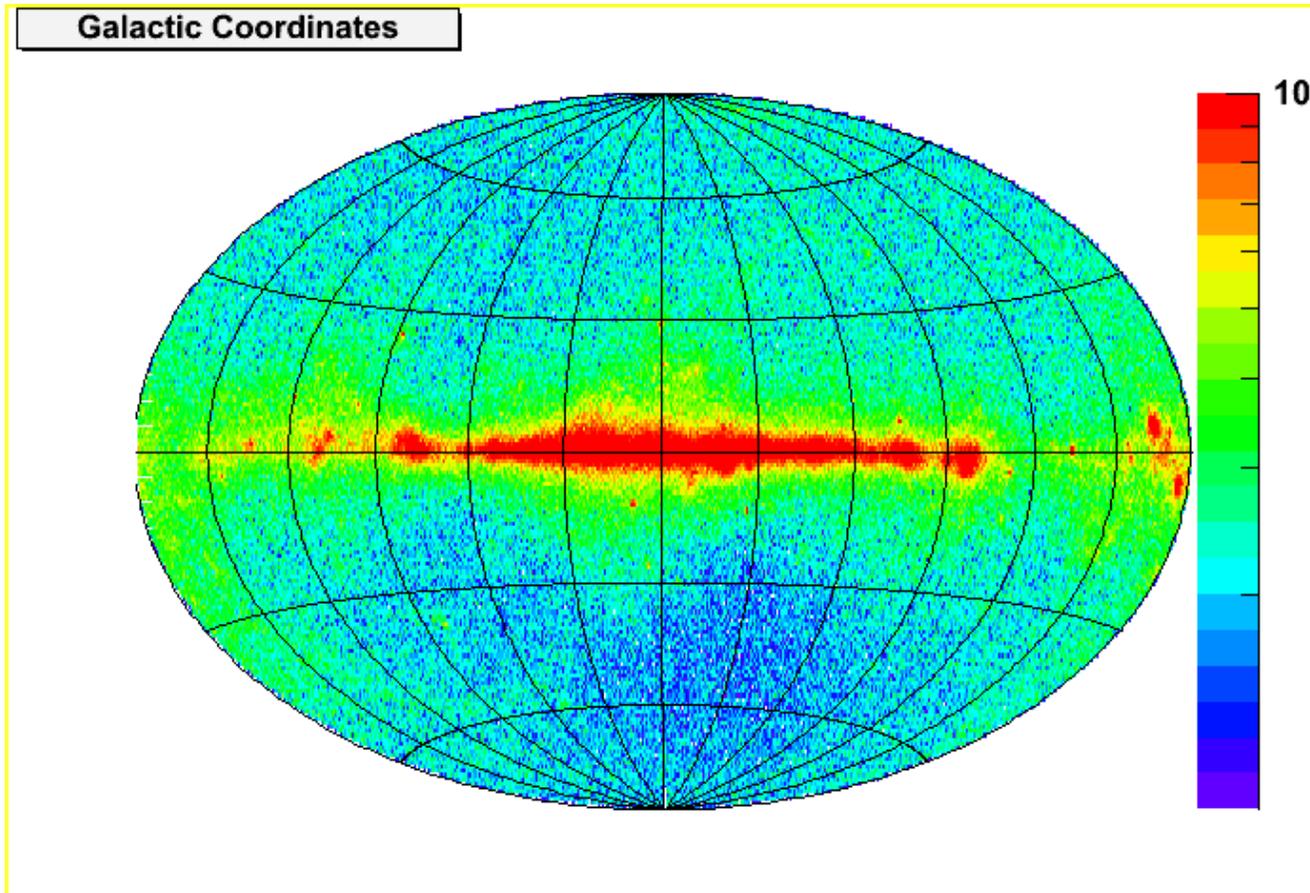


# DC2 Status

- We have generated 55 days worth of simulated sky data (including resampled background).
  - Currently testing it – a few glitches found so far.
- IRF parameterisation well underway (see Tobys talk)
- DC2 version of the Science Tools will be tagged on ~ Feb 15.
- Software released for download by DC2 users ~Feb 20
- kickoff March 1-3 (draft agenda coming soon)
  - Description of updated instrument response analysis
  - release DC2 data (including preliminary source catalog)
  - Tutorials on using the science tools
  - Short science talks and discussion describing topics that can be addressed/explored with 55 days of GLAST data.

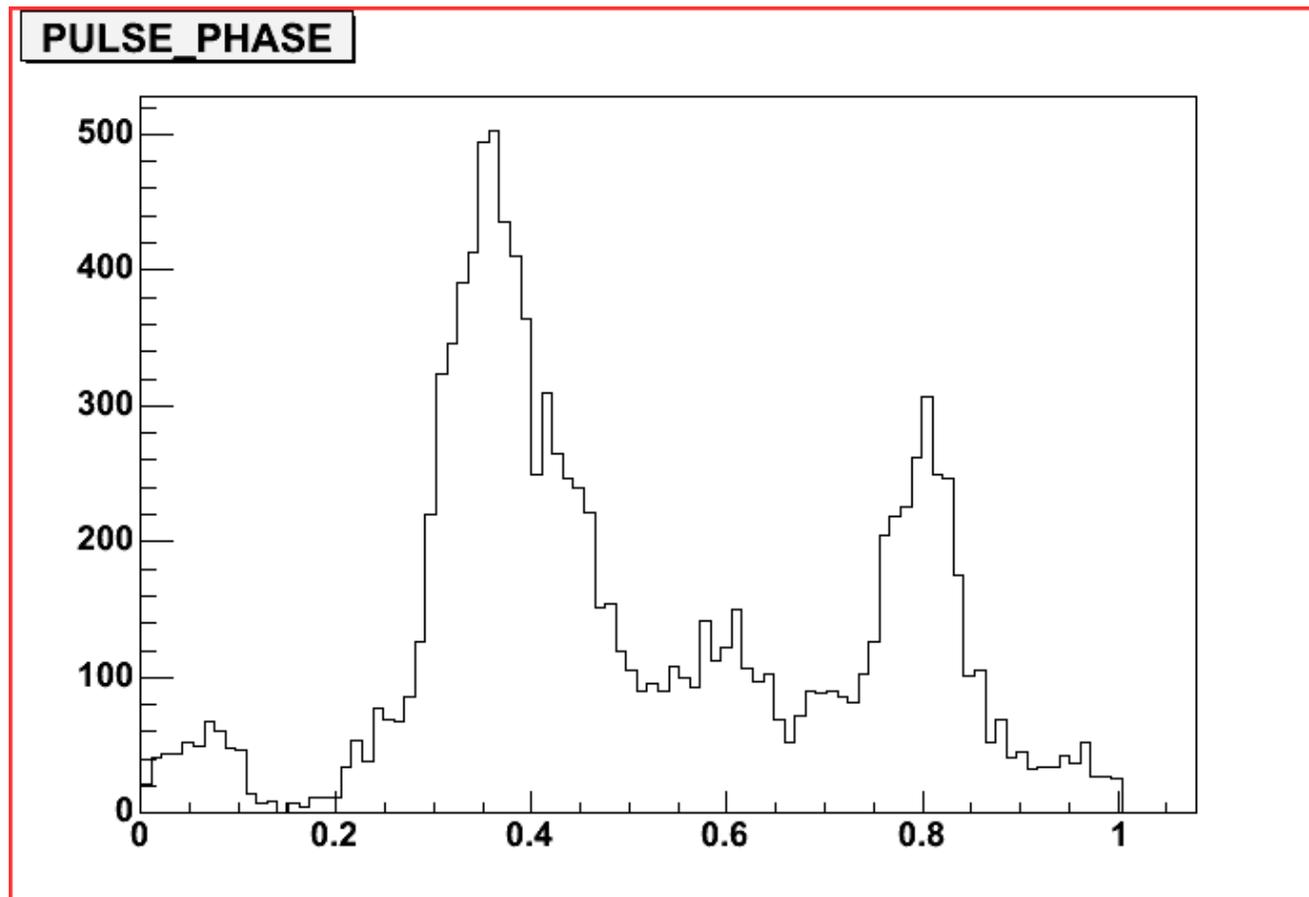
# The Sky

- the first 17 days...



# Pulsars pulse

- 6 days of Vela



# Data volume and Rates

- We are generating almost the full downlink rate (i.e. all events which pass the OnboardFilter)
- This is a large amount of data, 0.75 TB for the MeritTuples alone.
  - People will not be able to download the entire dataset to their laptops for analysis.
- Most science analysis will only require/use data that has passed the standard cuts. However, the DC2 data will support analyses using looser (or tighter) cuts and there are some science topics that may benefit from a non-standard analysis approach.
  - Standard allgamma and background datasets will be made available to allow people to explore this.

# Data Servers

- \*

+ Mc\*

+ CTB\*

+ FT1\*

+ Pt\*

+ GltWord

+ FilterStatus\_HI

+ CalEnergyRaw

+ CalCsIRLn

+ AcdCornerDoca

+ AcdActiveDist3D

+ AcdActDistTileEnergy

+ Tkr1FirstLayer

+ Tkr2FirstLayer

+ Tkr2TkrHDoca

+ TkrNumTracks

+ EvtEventId

+ EvtRun

+ EvtElapsedTime

+ EvtLivetime

+ Tkr1XDir

+ Tkr1YDir

+ Tkr1SSDVeto

+ Tkr2TkrHDoca

+ CalTransRms

+ Tkr1TotTTrAv

This is the proposed set of branches that will be made available in the default DC2 ROOT server. Are there any variables we should add (or one that we don't need)

# Issues with the Sky Simulation

- A bug in the xml file definition for the blazars inadvertently set all their fluxes to zero (now fixed)
- Many of the fainter pulsars have no counts (not yet fixed, but we believe we understand the cause)
- 66 out of >31k runs crashed.
  - About 1/3-1/2 of GRB cause the run to crash (still a mystery...)
  - Some crash during calls to ephemeris tables
- We will continue with this dataset to check the simulation and to populate, exercise and test the dataservers. Rerun the 55 day simulation next week.