DC1 News

• Updated SciTools code distribution was made available – v1r0p1 – on the ftp site
• FITS and Root files were repaired for Day1 for the FT1Energy error. Available from the ftp site; FITS files available from the SSC server

• Have not succeeded in running “Next 6 days” yet
  – Intention is to have GSFC GRB model, but not quite working in Gleam yet.
  – No known show-stopper now; just a little recoding to get it going.

• DC1 web updated to add work lists and wiki for sharing analysis results

• Closeout meeting at SLAC 12-13 Feb
  – Expect a core meeting for the remainder of that week

R.Dubois
Fallout from DC1 (so far)

- SciTools did not run on windows at the last minute
  - Release Manager needs to run Windows builds
- We discovered problems with sources and ACD ribbons late
  - Better unit tests for sources; and system tests for ACD as well as better review process when major changes made to subsystems
  - Need better tabulation of MC Source IDs in the data
- Manual handling of the processing
  - No pipeline, manual concatenation etc of files. Error prone.
  - No checking of file integrity
- Large failure rate in batch jobs (~10%)
  - Most fixed now; remaining few percent will be tricky to find
- Tools are not checking inputs much, eg:
  - Easy to get Likelihood into infinite loops with inputs in wrong order etc
  - GRB doesn’t check that it can read the ascii photon list
Fallout 2

- Code distribution scripts were written manually
  - And we need to rationalize how they run wrt environment variables etc

- We lowered the bar in several places:
  - No backgrounds; “hacked” background rejection cuts
  - No onboard filter
  - No pipeline (OPUS)
  - No CALDB

- Work continues on the first two
  - Still a goal to get pipeline and CALDB going during the DC1 period

R.Dubois
Some TODO

- Roll out new Release Manager with Windows builds

- Revise infrastructure for code distributions
  - External libs; distribution scripts and usage

- Should schedule code reviews of
  - Release Manager
  - OPUS
  - SLAC data server

- Address the weaknesses pointed in the previous slides