GLAST Large Area Telescope

WBS 4.1.D SAS
GSFC Monthly Review

Period Ending: Aug 2004

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July/Aug Accomplishments

• Flight Integration Support
  – A main focus!
  – Still preparing stable version of sim/recon
    • More features requested with more time available
    • Handle bad events; trigger info
  – Migrated to new version of LAT Data Format data and library from Online
  – Calibrations user interface ready
  – FRED Event display ready
  – Pipeline delivered and being tested by I&T
  – Work still underway on Tkr ToT calibration
    • Infrastructure more or less done – ingest electronic gains; Tkr layer splits
    • Still working on muon MIP scale calibration (Hiro)
July/Aug Accomplishments cont’d

- Obtained 5 TB disk for Flight Int and MC simulation use

- New User Workbook launched with Tech Writer
  - Looks very promising

- Budget submitted to SLAC Research Division for FY05
  - 25 TB disk
  - 25 dedicated farm CPUs (start of 75 CPU farm)
  - 2 TB windows disk
  - Handful of linux and windows servers
  - ~$310k
Upcoming for September

• Complete I&T deliverables
  – CAL calib algorithms tracking hardware delays
  – Expect algs and doc in mid September

• Gino pipeline functioning
  – Finished replacing the remainder of OPUS. Gino is not OPUS.
  – Performance improvements
    • better use of batch system
    • More utilities for care and feeding
    • Improve web front end

• Outfitting output files with headers recording run information
  – Code versions; run parameters etc

• Ground Systems has selected FastCopy for inter-center file transfer
  – Try it out?

• Prep for collaboration meeting and DC2 planning
  – Target DC2 start date of mid summer 2005
Key Milestones

- Start of Flight Integration (support) – Oct 2004
- Mission GRT1 – Feb 2005
- DC2 – July 2005?