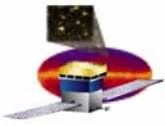**Gamma-ray Large Area Space Telescope**

GLAST Large Area Telescope

**WBS 4.1.D SAS
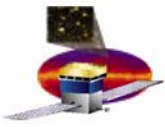GSFC Monthly Review**

Period Ending: Aug 2004

**Richard Dubois
LAT SAS Subsystem Manager**
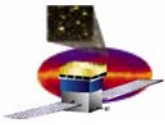
July/Aug Accomplishments

- **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)**
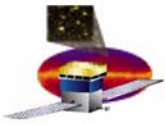
July/Aug Accomplishments cont'd

- **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?**