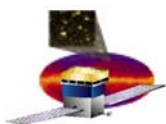**Gamma-ray Large Area Space Telescope**

GLAST Large Area Telescope

WBS 4.1.D SAS
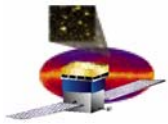## GSFC Monthly Review

Period Ending: Jan 2004

Richard Dubois
LAT SAS Subsystem Manager
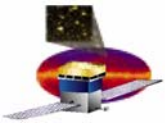
January Accomplishments

- **Continuing DC1 Analysis effort**
  - **5 more days of DC1 data added**
    - **Loaded onto SLAC & SSC servers**
  - **Testing functionality and usability of the tools**
  - **Analysis contributions coming in to "wiki"**
    http://www-glast.stanford.edu/cgi-prot/wiki?DataChallenge1
- **Refocused SciTools architecture design post DC1**
  - **Toby Burnett (LAT) & James Peachey (SSC/HEASARC) working closely on iterating design**
    - **Starting data I/O to tools**
- **OPUS pipeline is beginning to function**
  - **Can run DC1 data using SLAC batch farm**
  - **Database updating promised by 1/28**
- **New code releases (GlastRelease & ScienceTools) post DC1**
  - **Updated external packages; newer linux & windows compiler support**
  - **ScienceTools improvements from DC1 experience**
- **Started Network Monitoring with SLAC Computing Center**
  - **Connectivity to all GLAST collaborating sites from SLAC**
  - **File transfer speeds to GSFC and LAT farms (Lyon, Perugia) in the works**
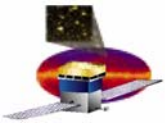
Upcoming for February

- **DC1 Closeout meeting 12-13 Feb at SLAC**
  - **Evaluate effectiveness of tools and data content & formats**
  - **Core software meeting for the rest of the week**

- **OPUS pipeline functioning**
  - **Are interviewing I&T folks as client for its services for EM2**

- **Release Manager revised; windows builds operational**

- **Windows servers up and running at SLAC**
  - **3 dual CPU jobbies**
  - **Users & builds/System Tests on Windows**

- **Reviews of**
  - **SLAC data server**
  - **OPUS pipeline**
  - **Release Manager**
  - **System Tests**

- **Prepare for ISOC Peer Review**
  - **Summary of DC1 closeout**
  - **Networking concept for connectivity to Goddard**

Key Milestones

- **DC1 Closeout – 12-13 Feb 2004**

- **ISOC Peer Review – Apr 2004**

- **SAS Subsystem CDR – May 2004**

- **EM2 (support) – June 2004?**

- **Start of Flight Integration (support) – June 2004?**

- **GSDR – July 2004**

- **Mission GRT1 – Nov 2004**

- **DC2 – Dec 2004**

Issues & Concerns

❑ **No significant technical threat at this time**

❑ **Post DC1 Evaluation**

   ❑ **Work out data transfer scheme with GSSC**

      • **Have met up with author of candidate tool (DTS)**

   ❑ **Post-mortem on first release of SciTools**

   ❑ **Continued studies of background rejection & onboard filter**

   ❑ **Start thinking about DC2**

❑ **Prep for a string of reviews**