Gamma-ray Large Area Space Telescope

GLAST Large Area Telescope

WBS 4.1.D SAS
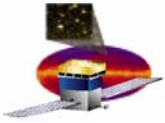## GSFC Monthly Review

Period Ending: Apr 2004

Richard Dubois
LAT SAS Subsystem Manager

April Accomplishments

- **Flight Integration Support**
  - **Preparing I&T release of Sim/Recon**
  - **User interface for calibrations input on track for May**
  - **CAL has agreed to calib algs to deliver to I&T by end May**
- **New code releases (GlastRelease & ScienceTools) post DC1**
  - **Iterative reconstruction**
  - **Iterated ScienceTools architecture**
- **Network Monitoring with SLAC Computing Center**
  - **File transfer speeds *into* GSFC underway; some config needed due to higher-than-usual GSFC security**
- **User-related stuff**
  - **Auditioned issue/bug trackers**
    - **Will try out JIRA; in use at SLAC for FreeHEP project**
  - **Practicing with InstallAnywhere code installer**
  - **Initiated discussions on starting a "User Workbook" à la SLD/BABAR**
    - **Asking Management if a tech writer could be in the cards**
- **New stuff**
  - **Been evaluating new technologies for pipeline, system tests, data server, release manager; First walkthrough on Monday 4/26.**
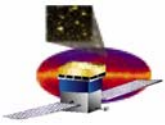 - **Standard stuff for industry (how shopping sites are done). Is it for us??**

Upcoming for May

- **Deliveries to I&T**
  - **Calibration algs**
  - **Pipeline**
  - **Stable version of sim/recon**
  - **Updated (as needed) geometry; flexible geometry for following install sequence**

- **OPUS pipeline functioning**

- **JIRA issue/bug tracker in place**

- **Processing technology choice made**

Key Milestones

- ❑ **ISOC Subsystem CDR – Aug 2004**

- ❑ **Start of Flight Integration (support) – May/June 2004 et seq**

- ❑ **GSDR – Aug 2004**

- ❑ **Mission GRT1 – Feb 2005**

- ❑ **DC2 – Jan 2005?**

Issues & Concerns

- ❑ **Technology choices**

    - ❑ **Things are in a bit of limbo as we decide how to proceed**

    - ❑ **Mitigation is to maintain support of old tech versions until new ones are available**

- ❑ **Still waiting to see OPUS work reliably with db and batch**

    - ❑ **A fair bit of float still available, so no worries yet**

    - ❑ **Have DC1-style backup option for June workshop just in case**

- ❑ **Prep for a string of reviews**

- ❑ **Overlap of DC2 with Flight Integration**