GLAST
Science Support Center *Status Report*

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GSSC: Milestones, Staffing

- ## **Presentation to GLAST FOR, Feb 2008**
  - *No major issues*
  - *Requirements closed or to be closed (or waived) by March 16 freeze date*
  - *GSSC ready to support post-launch activities*

- ## **Departure of 1 key SW developer**
  - *In response, will recall 0.5 FTE, employee who had transitioned to MOC*
  - *Adding 0.1 FTE planning & schedule support during LEO*
  - *Planning replacement, i.e. flat staff profile through L+1yr*

GI Program: Schedule Drivers

| Date	Months-L	Milestone
07-Jun-07	*-11*	*Proposal materials on GSSC website*
07-Sep-07	*-8*	*GI Cycle 1 proposal deadline*
17-Dec-07	*-5*	*Peer review*
01-Jan-08	*-4*	*Results of peer review*
01-May-08	*0*	*GI program funding decision*
16-May-08	*0*	*LAUNCH!!!*
Jul-08	*2*	*Release of GBM SAE Tools, GI Cycle 1 Begins, GBM + partial LAT data release*
Dec-08	7	Cycle 2 proposal materials & SAE release
Jan-09	8	*Release of preliminary LAT source list*
Mar-09	10	*GI Cycle 2 Proposal Deadline*
Jul-09	14	*GI Cycle 2 Begins, full LAT data release*

User Support

- **Cycle-1 Program nearly implemented**
  - *Separate report*
- **Participation in HEAD special session**
  - *GSSC services*
- **Web services & help desk successfully implemented for Cycle-1 support**
  - *Typically 3-4 queries per day near deadlines*
  - *Inordinate spike associated with GLAST naming contest; lots of SPAM*
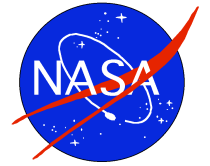 - *Accumulated FAQ list*

Operations Support
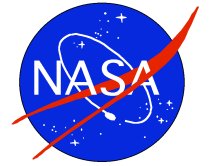
- **Timeline and ToO support has been extensively tested at this point**

  - *Walkthrough demo, exchange products w/MOC*

  - *Similar exercise planned for timeline preparation*

- **4 Mission Planning Exercises completed**

GSSC Operations Support

- **_Mission Planning Exercises_**
  - *Proposal submission*
  - *Proposal ingest*
  - *Long Term Scheduling*
  - *GSSC ingest of GLAST ephemeris, TDRSS ephemerides*
  - *GSSC delivery of preliminary science timeline*
  - *GSSC ingest of ISOC and GIOC timelines*
  - *GSSC delivery of timeline package*
  - *Ingest and execution of LAT calibration observations*
  - *TOO evaluation and commanding*

Science Analysis Software

- **GSSC is required to provide science analysis software (SAE)**
  - *FRD § 5.3.3.2*
- **Software developed jointly w/LAT team**
  - *LAT team manages the SAE CC until L+5m*
  - *Code architecture shared: LAT-GSSC*
  - *FRD requirement: single OGIP compliant configuration-managed software suite*
  - *SAE: current version v9r4p1*
  - *In use supporting LAT Service Challenge*
  - *Successfully ported to the HEASARC build system*
    - *V9r5 to be β-tested by "end-user" community*

Data Ingest Completion Milestones
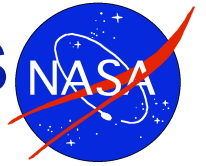
- **_OPUS is installed and running_**
- **_GSSC Pipelines completed_**
  - *Data Ingest Pipeline*
  - *Proposal Ingest Pipeline*
  - *Level 0 Data Ingest Pipeline*
  - *Command Ingest Pipeline*
  - *LAT Data Ingest Pipeline*
  - *GBM Data Ingest Pipeline*
- **_Lingering DitL, ETE, and MPEx issues to be addressed in Release 9_**

Software & Hardware Status

- ## *GSSC Software*

  - *Release 1 – 8 complete (01/31/08)*

  - *Release 9 (03/08/08) Launch support*
    - ➢ *Bug fixes and minor updates only*

- ## *GSSC Hardware*

  - *All major CPU's in-place and configured*
    - ➢ *Primary computers in Bldg. 2*
    - ➢ *Backup computer in Bldg.14*

GSSC AI Status
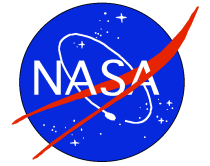
- ***SOOG apparently disbanded, so AI-46 no longer relevant?***

- ***AI-53:*** **Web form implemented**

Multi-Wavelength Observation Webform

AI 53: Establish website for observers to post GLAST-relevant observations. This information could potentially be given consideration in GLAST re-planning.

Web page established, awaiting observer inputs…

Database Query