GSSC Report

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Outline

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2. Documents
3. Other GSSC Topics at Meeting
4. GLAST User Support
5. Software

GSSC Personnel

- **Jay Norris** — GSSC manager
- **Scientists**
  - Robin Corbet (75%) — Operations Section Manager
  - Dave Davis — Data Archive / SW Section Manager
  - David Band — User Support Section Manager
  - Masaharu Hirayama — LAT scientist; LAT pulsar tools
  - Jerry Bonnell — CALDB; LAT GRB tools
  - Rita Sambruna (50%) — SAE Documentation
  - Jim Chiang — LAT ambassador (@ SLAC); Likelihood tool
  - Valerie Connaughton — GBM ambassador (@ NSSTC); GBM tools
- **Scientific Programmers**
  - James Peachey (75%) — Code Co-Architect (w/ LAT's Toby Burnett)
  - Tom Stephens — Software Manager/Test Manager
  - Don Horner — Data Ingest, Testing
  - Guiseppe Romeo (50%) — Operations (Tako, Utilities)
  - Marilyn Mix (50%) — Operations (Tako, MOC interface)
  - Larry Brown (25%) — C++ Programmer, SAE SW
  - New Hire #1 — Operations/User Support
  - New Hire #2 — SAE
- **Support**
  - Sandy Barnes (50%) — Administrative Assistant
  - JD Myers (50%) — Webmaster; User Support
  - Beth Weinstein (0% salary) — Systems Intern

Personnel Changes (since 8/04)

- **Additions:**
  - **Don Horner—programmer (data ingest)/testing**
  - **Rita Sambruna (50%)—scientist (SAE documentation)**
  - **Beth Weinstein—systems intern (operations)**
- **Departures:**
  - **Dirk Petry—Test manager**
  - **Bob Schaefer—SW manager**

Documents

- PDMP—major revision after GUC meeting of 8/04, but much polishing required
- GSSC Functional Requirements Document—major revision separating the description of GSSC functions and actual functional requirements, as requested by the Project; the document will be submitted to the Project CCB.
- The Science Data Products ICD continues to mature; major gaps:
  - The precise contents of the list of LAT events transferred from the LISOC to the GSSC awaits the reconstruction studies associated with DC2.
  - The quantities describing the LAT's status not defined.
- Many detailed design documents have been created; see http://glast.gsfc.nasa.gov/ssc/dev/current_documents/

GSSC Topics at Meeting

- Masa demo'ed the pulsar tools.
- In the presentation after lunch we will present some topics for which we would like the GUC's approval:
  - User Support Drivers for Tool Release
  - Review of GI Proposal Tools
- Many GSSC topics will be covered by GUC Action Items:
  - AI#8—SAE analysis thread (today—pulsar tools)
  - AI#10a—PDMP
  - AI#12—GUC beta-testing of SAE tools
  - AI#13—Communications with scientific community
  - AI#14—End-to-end GLAST narrative
  - AI#15—Proposal tools
  - AI#17—Launch±1 year science schedule
  - AI#18—Methodology for simple period search tool for SAE
  - AI#24—Technical evaluation of proposals

GLAST User Support (GUS)

- A GUS software design review (8/8/05) initiated a discussion of the interfaces with other sections. The resulting changes (e.g., some posting software extracts data from databases, and is not passed data directly) led to a revision of the tool list (e.g., some functions were redistributed, tools were combined or split). The relevant section of the GSSC Design Document is being revised and expanded into a detailed design document.
- The software will be released in a GI proposal release (11/1/06) and a user support tools release (6/6/07); most of the user support tools are needed only at launch, or later. Most tools will be ready earlier.
- GUS is working with the SAE team on software documentation.

GLAST User Support (GUS), cont.

- The GSSC will present 3 posters at the January AAS meeting (general GSSC, data provided users, SAE); 8 GLAST abstracts were submitted.
- 3 abstracts were submitted for the Swift meeting at the end of November (all on the GLAST's burst capabilities).

GSSC Involvement in SAE

- Checkout 3 completed (mini-DC to put the available tools through their paces)

- 3 build cycles have been completed allowing us to finish:
  - Burst Fit tool
  - Pulsar tools:
    - Documentation and
    - Pulsar demodulation
  - Infrastructure improvements

Data Analysis and Science Support (DASS)

- Release 3 done:
  - Support of GRT #4
- Release 4 done:
  - Support for GRT #3 (GRT 3 & 4 were swapped)

- Preparations for GRT #5 (science products ingest) is well underway

Operations

- **Robin Corbet will discus observation scheduling next.**