GLAST Large Area Telescope

WBS 4.1.B
Instrument Science Operations Center
Manager’s Face to Face Meeting
11 May 2005

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ISOC Software Activities

- ISOC software development
  - Release 1.0: v1r0p0 submitted to CVS on 6 May
  - Expected final release on 15 May, to support GRT2
    - Major functions
      - Mission planning data product exchange with GSFC
      - Receive RT HK, Diag, Alert data from MOC (using ITOS)
      - Ingest Level 0 data from MOC
      - Data trending
    - Methods implemented in python for ops data products and tracking
      - Web view of data product exchange status
        http://glast03.slac.stanford.edu:8080/FCWebView/view.jsp
    - Release 1.1: v1r1p0 expected release on 15 July 2005, to support GRT3
ISOC Database Activities

- ISOC trending database development
  - Some redesign of Oracle table schemas
  - Move DBs and development to Oracle 10g on SLACDEV
- Database interface development
  - ColdFusion support will be limited to maintenance of existing install, no further updates expected
  - Look at migrating existing ColdFusion pages to Java, JSP
- GLAST PDB delivery received for GRT2
  - Spacecraft, GBM, LAT dbx files
  - Ingested into ITOS with minimal problems
- LAT Config and Cal DB information gathering proceeding
ISOC Hiring

- Interviewing of candidates is in progress for software developer and test engineer
  - **Software developer**
    - both software and database development
  - **Test engineer**
    - To support testing of ISOC software releases, and ISOC participation in ground system tests

- Employment Requisition is moving into signature/approval for an Engineering Physicist to support SVAC/PVO
  - 5 year fixed term
ISOC Facilities

- SLAC giving go-ahead for some FY2005 build-out of extra space in Kavli
  - Basic utilities to be installed
    - HVAC
    - Power and signal
    - Lighting
    - Drop ceiling
  - Further build out costs deferred to FY2006
- Working with KIPAC on GLAST/ISOC needs in Kavli building at SLAC
  - Scientist office space
- Looking at GLAST needs in Varian II building on SU campus
  - Scientists + some ISOC accommodation
GOWG Highlights

- **Operations Data Products ICD**
  - *Almost there: possible approval in CCB to be held on 11 May*

- **Science Data Products ICD**
  - *Discussions in progress on scope and format of some LAT data elements*
    - LS-003: Low level calibration data
    - LS-006: Configuration history

- **Planning for GOWG TIM at SLAC in September**

- **New Ground System schedule released, with tests and reviews pushed to later dates, but likely to be further revised**
  - GRT2 June 27,28
  - MOR 17 March 2006