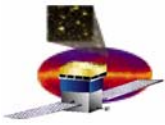


GLAST Large Area Telescope

**WBS 4.1.B IOC
GSFC Monthly Review**

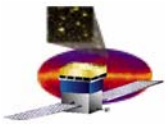
Period Ending: July 2003

**David Lung
LAT IOC Subsystem Manager**



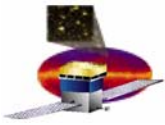
July Accomplishment

- ❑ **Supported the successful Ground System Readiness Review (GSRR) held on July 22, 2003 at GSFC**
- ❑ **Supported a GSRR TIM on July 23, 2003 to discuss:**
 - **GSRD baseline for release in September 2003.**
 - **Combine ICDs into one ICD to cover operations between the MOC, GSSC, LAT IOC, and GBM IOC and one ICD to cover science data products between the GSSC and IOCs**
 - **Discuss the potential to combine the Ground System PDR and CDR into one System Design Review (SDR) to be held in May 2004**
 - **A discussion of the LAT commanding and database included insight into uploads to the LAT FSW, how observatory dump data is handled by ITOS, and the ability to export the LAT telemetry and command database to ITOS and AstroRT formats**
- ❑ **IOC staffing increased**
 - **Chief Engineer**
 - **Calibration Scientist/Engineer**



Issues/Concerns & Qualification Program

- ❑ **No significant technical threat at this time**
- ❑ **Schedule & Cost threat**
 - **There are not schedule and cost threat in IOC's critical path**
- ❑ **IOC Qualification**
 - **Significant portion of the IOC validation shall be conducted in conjunction with LAT I&T testing**
 - **IOC engineers support the following I&T and SAS activities**
 - Instrument integration
 - T/V testing
 - SAS data challenges
 - Ground readiness tests
 - End-To-End tests



Key Milestones

- ❑ **Next 3 months**
 - **IOC Subsystem Peer Review – November 2003**
 - **Scrub and update IOC Level II and III requirements – 8/15/03**
 - **Verification and Validation Plan (Preliminary release) – 9/5/03**
 - **Release updated IOC requirements with final GSRD inputs – 9/30/03**
 - **Establish first draft of Operational ICDs between LIOC/MOC/GSSC/GIOC and Data Product ICD between LIOC/GSSC – 10/31/03**
 - **LAT command and telemetry database definition (Preliminary) – 10/31/03**
- ❑ **IOC Subsystem CDR – February 2004**
- ❑ **IOC readiness dates support the Ground Readiness Testing**
 - **GRT# 1-4: IOC ready by August 2004**
 - **GRT# 5-7: IOC ready by September 2005**