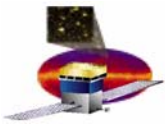


GLAST Large Area Telescope

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

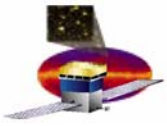
Period Ending: August 2003

**David Lung
LAT IOC Subsystem Manager**



August Accomplishments

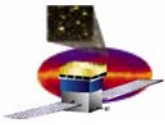
- ❑ **Supported final review of Ground System Requirements Document (GSRD) with GSFC**
- ❑ **Completed draft update of IOC specifications with traceability to the GSRD**
 - **LAT-SP-00015 LAT Ground System Performance Specification – Level II(b) Specification**
 - **LAT-SS-00021 LAT Operations Facility Subsystem Specification – Level III Specification**
- ❑ **Database**
 - **FSW prototype command and telemetry database schema and tools shows core functionality**
 - **Reviewed and plan to follow mnemonic naming convention received from GSFC**



Open Issues/Concerns

- ❑ **No significant technical threat at this time**

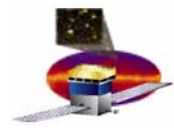
- ❑ **Concerns**
 - **Instrument performance and evaluation group**
 - **Concern: The function has been identified, but the formulation of the group's role and responsibility has not been agreed upon.**
 - **Closure Plan: The PI is providing the leadership role in formulating the group's role and responsibility. A preliminary study by the LAT team is underway.**



Key Milestones

- ❑ **Next 3 months**
 - **IOC Subsystem Peer Review – tentatively combine with CDR**
 - **Verification and Validation Plan (Preliminary release) – 9/5/03**
 - **Release updated IOC requirements with final GSRD inputs – 9/30/03**
 - **Establish internal IOC data interfaces – 10/15/03**
 - **Establish first draft of Operational Data Product ICD between LIOC/MOC/GSSC/GIOC and Science Data Product ICD between LIOC/GSSC – 10/31/03**
 - **LAT command and telemetry database definition (Preliminary) – 10/31/03**

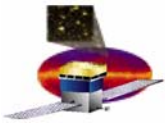
- ❑ **IOC readiness dates support the Ground Readiness Testing**
 - **GRT# 1-4: IOC ready by August 2004**
 - **GRT# 5-7: IOC ready by September 2005**



Cost & Schedule Status

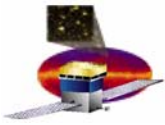
- ❑ **Schedule & Cost threat**
 - **There are no schedule and cost threats in IOC's critical path**

- ❑ **Cost & Schedule Variances (July)**
 - **Currently, the IOC budget is transitioning from LAT budget to SLAC operations budget**
 - **The Cumulative Cost & Schedule Variance of +313K (Cost) and -95K (Schedule) is a snap shot prior to the rebaseline efforts**



Cost Variance Analysis

- **Cumulative Cost Variances (July): +313K**
 - **+103K, 4.1.B.1 Project Management – Under run continues as IOC manager (acting) is charged to SLAC operating budget**
 - **+127K, 4.1.B.4 LAT Operations Facility – The accumulative under run was due to lack of personnel to support this task. IOC engineer was hired, however charge is to SLAC operating budget**
 - **+50K, 4.1.B.6 LAT Performance Verification – see 4.1.B.4**
 - **Rebaselining will remove cost variances**



Schedule Variance Analysis

- **Cumulative Schedule Variances (July): -95K**
 - **-26K, 4.1.B.2 Performance Assurance – This is due to 50/50, as IOC has not completed the Verification Plan**
 - **-32K, 4.1.B.4 LAT Operations Facility – Significant portion of the schedule variance is due to M&S that will not be required.**
 - **-37K, 4.1.B.6 LAT Performance Verification – Development of the calibration procedures is behind schedule. IOC has corrected this situation by hiring an engineer/scientist to work with I&T to support the calibration effort**