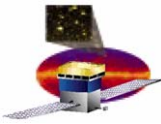


GLAST Large Area Telescope

WBS 4.1.B

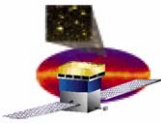
**Instrument Science Operations Center
Monthly Status Review
26 April 2005**

**Lori Bator
lbator@slac.stanford.edu
650-926-5352**



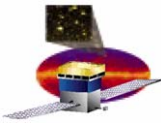
Management Activity

- ❑ **ISOC staff hiring**
 - **Interviewing for two positions**
 - **Test Engineer, to support ISOC software releases and lead ISOC participation in GLAST ground system tests**
 - **Software Developer, to support ISOC software releases and database development and maintenance**
- ❑ **ISOC facility**
 - **Continuing to work with Transition Committee to provide space for ISOC**
 - **Waiting for management approval**
- ❑ **ISOC Operations Planning**
 - **Bi-weekly meetings with I&T for development of L&EO and on-orbit operations and procedures**
 - **Configuration and database working group meetings with Pat Hascall**



GOWG/GIMGOM Activity

- ❑ **Ops Data Products ICD**
 - Reviewed through a series of meetings between GSSC, ISOC, MOC, and GBM
 - Baseline to be approved in CCB on 11 May
- ❑ **Science Data Products ICD**
 - Updated draft released by GSSC
 - Continue to review at weekly Science Tools telecom
- ❑ **Ops TIM**
 - Identified need for a face-to-face ops meeting to be held in late September at SLAC
- ❑ **Procedure development**
 - Preliminary process drawn up for coordinating delivery of written procedures to SASS and development and validation of PROCs (scripted procedures) by MOC
 - Continue to review during upcoming GOWGs and possibly a mini-Ops TIM in May



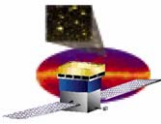
System Test Summary

- ❑ **ISOC Test Plan**
 - Draft is in progress
 - Requirements verification matrix is in work
 - Identified refinements to Level 3 requirements
- ❑ **ISOC Test Procedure Development**
 - Focus on testing requirements related to GRT2
 - Established an Access database for requirements, test procedures and reports
 - Work on acceptance test procedures begun
- ❑ **Ground Readiness Tests**
 - GRT1 (no ISOC involvement) on 13 April was successful
 - GRT2 scheduled for late June
- ❑ **Participated in GSSC ST-5 and ST-15B testing (preparation for GRT2)**
 - Received preliminary timeline file from GSSC
 - ISOC submitted normal and high priority PROC requests and memory loads to GSSC, and high-priority requests were automatically sent to MOC



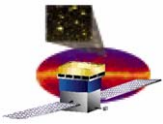
Software Development

- ❑ **Preparations for Software release 1**
 - **Major functions**
 - **Mission Planning data product exchange with GSFC**
 - **Receive RT HK, Diag, Alert data from MOC**
(use ITOS for SW rel 1, can replace with Latte later)
 - **Ingest level 0 data from MOC**
 - **Trending (same functions that have been in use for I&T)**
 - **Python wrappers for ops data products control and tracking**
 - **Web view of data product exchange status (prototype)**
<http://glast03.slac.stanford.edu:8080/FCWebView/view.jsp>
 - **Finishing up all of above over next two weeks, then test/bug fix and release**
- ❑ **Database**
 - **Redesign of Oracle table schema design and moved to a separate Oracle installation on SLACDEV using Oracle 10g**

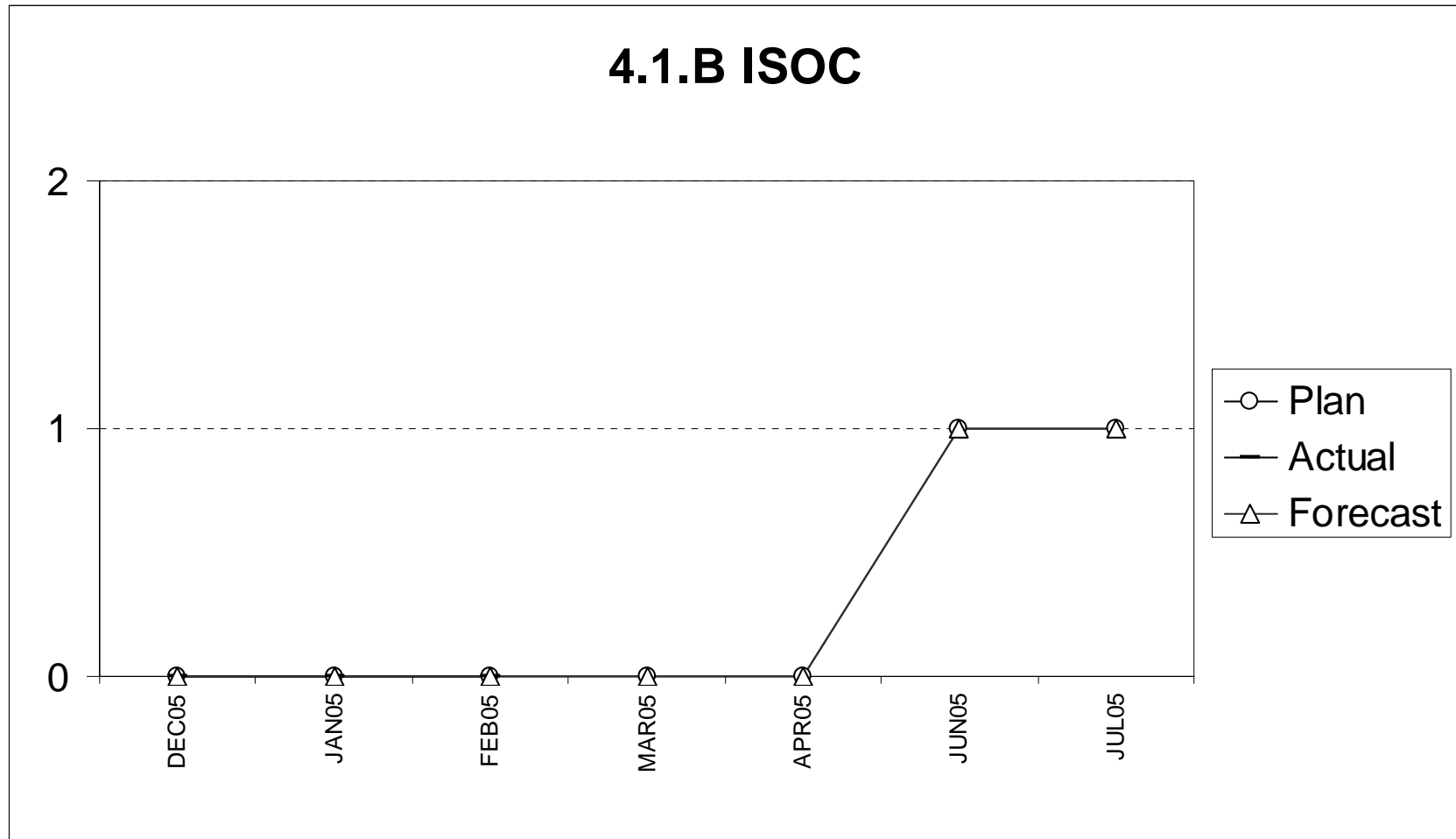


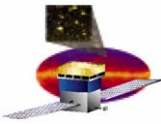
Near Future Activities

- ❑ Database delivery to SASS for use in GRTs: 1 May 2005
- ❑ ISOC software release #1: 24 May 2005 (slipped 1 week)
- ❑ Engineering test of ISOC-MOC interfaces: late May-early June
- ❑ GRT #2: ~27 June 2005 (slipped ~2 weeks)
- ❑ Ops TIM: late September 2005
- ❑ GRT #3: October 2005 (slipped from August)
- ❑ MOR: March-April 2006



Level 3 Milestone Count





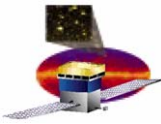
Level 3 Milestone List

Activity Description	Baseline Finish	-1m Var	Bsln Var	Early Finish	FY05					
					FEB	MAR	APR	MAY	JUN	
4.1.B ISOC										
Ground System Interface Test start	06/15/05*	0	0	06/15/05*						▼
Mission Operations Review	01/17/06*	0	0	01/17/06*						
Run Date	04/21/05 14:54	GLAST LAT PROJECT			LT-DZ: Baseline Variance			Report #10		
Data Date	04/01/05	Level 3 Milestones			FL-D4: AV: Level 3 Milestones			Sheet 12		
© Primavera Systems, Inc.		Baseline Variance (Organized by Subsystem)								



Milestone Variance Explanation

- ❑ **Schedule Impact**
- ❑ **Cost Impact**
- ❑ **Corrective Action**
 - **none**



Cost Report

Reporting Category	Cost Incurred				Estimated Cost			Estimated Final Cost		Unfilled Orders Outstanding
	During Month		Cum. to Date		Detail		Balance of Contract	Contractor Estimate	Contract Value	
	Actual	Planned	Actual	Planned	APR05	MAY05				
4.1.B LAT INSTRUMENT SCIENCE OPERATIONS CENTER										
4.1.B.1 PROJECT MANAGEMENT	2	5	157	161	5	5	21	188	188	
4.1.B.2 PERFORMANCE ASSURANCE			6	6			0	6	6	
4.1.B.3 MISSION & OPERATIONS PLANNING			101	101			0	101	101	
4.1.B.4 LAT OPERATIONS FACILITY			16	16			0	16	16	
4.1.B.5 IOC TEST										
4.1.B.6 LAT PERFORMANCE VERIFICATION			24	24			0	24	24	
CAPW[3]Totals:	2	5	304	307	5	5	21	334	334	

FTE Report: 0.1 FTE on Project for ISOC