

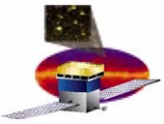
GLAST Large Area Telescope

Instrument Flight Software

Monthly Status Review
September 1, 2004

Jeff Fisher

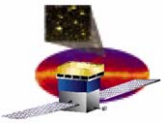
Stanford Linear Accelerator Center



August activities

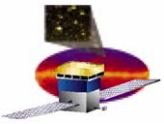
- **Preparing for Flight Unit Peer Review**
 - **Scheduled for September 16th**
 - **Draft agenda created**
 - **Reviewers invited**
 - **Dry run completed**
 - **Presentations will be finished on 9/10**

- **FSW engineering release to I&T**
 - **For usage in the next LATTE release**
 - **More formal release process starting in September**



August activities

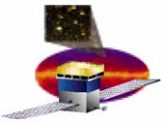
- **ISIS Development**
 - **Initial release made to FSW Test**
 - **Updated GBM messages**
 - **Most LAT in ISIS commands are unit tested**



August activities

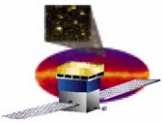
- **Primary and Secondary Boot**
 - **Boot Code is being reworked to fit into a 64k PROM**
 - **Rework will be completed by 10/1**
 - **PROMs have been ordered**
 - **Unit testing will take place from 10/1-12/1**
 - **Decision to go to PROMs will be made in December**

- **File Management**
 - **Pros and Cons of TFFS vs. flat memory system were analyzed**
 - **Current plan is to stay with TFFS**



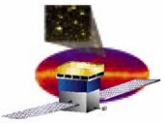
August Activities

- **LAT Control Board Driver**
 - **New driver released**
- **LAT Control Board Test**
 - **Completed porting of code to reflect new LCBD driver**
- **LAT Event Manager**
 - **Package is in code complete**
 - **Unit testing underway**
 - **Testing with new LCBD**



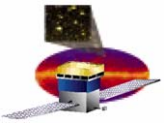
August activities

- **Housekeeping**
 - **Unit testing underway**
 - **Integration testing with new LCBD underway**
- **Power Initialization of GASU**
 - **Power-up sequencing code was written**
- **FES**
 - **Bug fixing activities continue**
 - **Software checked into CMX**



Monthly Demonstration Schedule

- **Jun** **Telemetry**
- **July** **ITC/Housekeeping packages integrated**
- **Aug** **ISIS**
- **Sept** **Boot centric**
- **Oct** **physics items**
- **Nov** **Ops and comprehensive 1553**
- **Dec** **FU build load/run and diagnostics**



Next 3 Month's activities:

- **Flight Unit Peer Review – September 16**
- **ISIS Build and Test scripts & TRR & FQT & DELIVERY**
- **Understand Mode Control schedule**
- **Development of Flight Unit test scripts**
- **Development of Flight Unit modules**
- **Start developing formal release process**
- **Make PROM go/no-go decision**