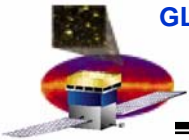


LAT Face to Face Manager' Meeting
Sept. 30, 2004

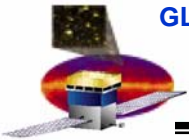
LAT Level Design Status

Rob Black rpblack@slac.stanford.edu



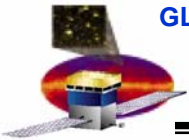
Agenda

- **Agenda**
 - **Last Month's Accomplishments**
 - **Drawing Release Plan**
 - **Issues and Concerns**



Last Months Accomplishments

- **Continued Support of Mechanical Systems**
 - **Updates to drawings with corrections and clarifications**
- **Significant effort spent on finalizing instrumentation**
 - **Thermistor and accelerometer quantities and locations**
 - **Cable routing, shielding requirements, attachments, etc.**
- **Continued work on updating Top Assembly Documentation**
 - **Identified need for two CAL-TEM Assy. part numbers**
 - **Right and left version required for cable routing**
- **Continued Reviewing and updating cable routing and installation drawing.**



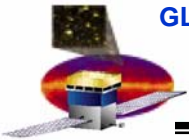
Drawing Release Plan

Top Level Drawings

Document	Description	Issues	Release ECD	Need Date
LAT-DS-01624	LAT Assembly Drawing	MLI design must be completed	4/30/2005	4/30/2005
LAT-DS-02561	LAT Tower & Elect Assembly Drawing	Instrumentation routings defined	12/3/2004	11/1/2004
LAT-DS-02560	LAT Tower assembly drawing	Finalizing instrumentation routing, TEM clocking, tracker cable bonding	11/12/2004	10/1/2004
LAT-DS-02559	CAL-TEM-PS Assembly drawing	Still working instrumentation routing and right/left assemblies	10/29/2004	10/1/2004

Interface Drawings

Document	Description	Pending Rev.	Issues	Drafting ECD
LAT-DS-00309	ACD-LAT INTERFACE, IDD	04	Updates complete	Submitted for review 9/22
LAT-DS-00233	CAL-LAT INTERFACE, IDD	07	Remove corner tabs, add standoffs, update grid	Submitted for review 8/3
LAT-DS-00040	LAT INSTRUMENT STAY CLEAR	12	Update ACD envelope, Flexure clearance, MLI Interface Waiting for inputs from Spectrum	?
LAT-DS-00851	TRACKER-LAT INTERFACE, IDD	2	Updating with revised grid interface and cable outlines	Submitted for approval 9/2



Issues & Concerns

- **CAL Interface (CAL-LAT IDD LAT-DS-00233 Rev 07)**
 - Redlines received from NRL 9/28, incorporated and returned for back check same day.
- **ACD Interface (ACD-LAT IDD LAT-DS-00309 Rev 04)**
 - Updates for connector and Velcro location incorporated.
 - Check print sent out for review, 9/22, waiting for feedback
- **MLI Blanket Design**
 - ACD IDD updated with velcro interface
 - Conceptual design still in review by Spectrum
- **Instrumentation**
 - Preliminary design concept established for routing instrumentation cables
 - Issues still open from last month, however progress has been made
 - Instrumentation Termination Bracket design definition
 - Locations need to be specified on Assembly drawings and reviewed
 - Preliminary locations identified drawings in process
 - Installation method definition required for accelerometers
 - Preliminary methods identified, process to be finalized
 - Harness & routing definition is needed for all flight and fly-away instrumentation
 - Design concept in place