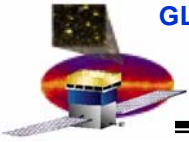


LAT Face to Face Manager' Meeting
Dec 2, 2004

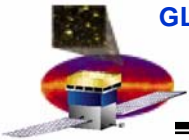
LAT Level Design Status

Rob Black rpblack@slac.stanford.edu



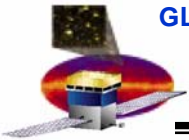
Agenda

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



Last Months Accomplishments

- **Support of Mechanical Systems**
 - Major revision to LAT-DS-01580, Grid Box Base Assembly
 - Incorporation of instrumentation and heater harnessing
 - Continued detail design efforts on MLI
 - Continued documentation maintenance
 - Updates to Radiator and X-LAT ICD/IDD completed and submitted for review
- **Support of DAQ**
 - Released Grid heater and instrumentation harness drawings
 - Continued documentation maintenance
 - Finalizing Design of HIB (harness interface box)
- **Top Assembly Documentation**
 - LAT-DS-02559 CAL-TEM Assembly Drawing released
 - LAT-DS-02560 LAT Tower Assembly Drawing released
 - Working on release of lower level documentation in support of LAT-DS-02561 LAT Tower and Electronics Assembly



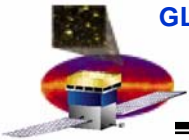
Drawing Release Plan

Top Level Drawings

| Document | Description | Issues | Release ECD | Need Date |
|--------------|------------------------------------|----------------------------------|-------------|------------|
| LAT-DS-01624 | LAT Assembly Drawing | MLI design must be completed | 5/1/2005 | 6/1/2005 |
| LAT-DS-02563 | LAT Instrument Assembly Drawing | Need lower level drawings | 4/1/2005 | 6/1/2005 |
| LAT-DS-02561 | LAT Tower & Elect Assembly Drawing | Instrumentation routings defined | 4/1/2005 | 5/1/2005 |
| LAT-DS-02560 | LAT Tower assembly drawing | Approved for release (11/24/04) | 11/12/2004 | 01/03/01 |
| LAT-DS-02559 | CAL-TEM-PS Assembly drawing | Released (11/16/04) | 11/10/2004 | 12/10/2004 |

Interface Drawings

| Document | Description | Pending Rev. | Issues | Drafting ECD |
|--------------|----------------------------|--------------|---|--------------------------|
| LAT-DS-00309 | ACD-LAT INTERFACE, IDD | 04 | Comments received 11/12, Updates sent to ACD for review 11/18 | Updated for review 11/18 |
| LAT-DS-00233 | CAL-LAT INTERFACE, IDD | 07 | Held pending CCB approval of flatness updates | To Doc Control 11/3 |
| LAT-DS-00040 | LAT INSTRUMENT STAY CLEAR | 12 | Update ACD envelope, Flexure clearance, MLI Interface Waiting for inputs from Spectrum | Updated 11/18 |
| LAT-DS-00851 | TRACKER-LAT INTERFACE, IDD | 2 | Released | 11/10/04 |



Issues & Concerns

- **Timely and Appropriate review of Documents**
- **CAL Interface (CAL-LAT IDD LAT-DS-00233 Rev 07)**
 - **Waiting for CCB direction to update flatness requirements.**
- **ACD Interface (ACD-LAT IDD LAT-DS-00309 Rev 04)**
 - **Updated Check print sent out for review, 11/18, waiting for feedback**
- **S/C Interface**
 - **MLI conceptual design still in review by Spectrum**
 - **Stayclear violation with current heater control box design**
 - **LAT will provide drawings to Spectrum for review of impacts.**
- **Instrumentation**
 - **Thermistor cabling design documentation ECD 01/07/05**
 - **Instrumentation Termination Bracket design definition - Nelson/Black**
 - **Updating accelerometer placement – Ku/Ruolo**
- **Other Issues**
 - **Need to work with stress to review cable way design**