LAT Face to Face Manager’ Meeting
Dec 2, 2004

LAT Level Design Status

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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

<table>
<thead>
<tr>
<th>Document</th>
<th>Description</th>
<th>Issues</th>
<th>Release ECD</th>
<th>Need Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT-DS-01624</td>
<td>LAT Assembly Drawing</td>
<td>MLI design must be completed</td>
<td>5/1/2005</td>
<td>6/1/2005</td>
</tr>
<tr>
<td>LAT-DS-02561</td>
<td>LAT Tower &amp; Elect Assembly Drawing</td>
<td>Instrumentation routings defined</td>
<td>4/1/2005</td>
<td>5/1/2005</td>
</tr>
<tr>
<td>LAT-DS-02560</td>
<td>LAT Tower assembly drawing</td>
<td>Approved for release (11/24/04)</td>
<td>11/12/2004</td>
<td>01/03/01</td>
</tr>
</tbody>
</table>

### Interface Drawings

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