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

LAT Level Design Status

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• 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

<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>4/30/2005</td>
<td>4/30/2005</td>
</tr>
<tr>
<td>LAT-DS-02559</td>
<td>CAL-TEM-PS Assembly drawing</td>
<td>Still working instrumentation routing and right/left assemblies</td>
<td>10/29/2004</td>
<td>10/1/2004</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>Updates complete</td>
<td>Submitted for review 9/22</td>
</tr>
<tr>
<td>LAT-DS-00233</td>
<td>CAL-LAT INTERFACE, IDD</td>
<td>07</td>
<td>Remove corner tabs, add standoffs, update grid</td>
<td>Submitted for review 8/3</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 Waiting for inputs from Spectrum</td>
<td>?</td>
</tr>
<tr>
<td>LAT-DS-00851</td>
<td>TRACKER-LAT INTERFACE, IDD</td>
<td>2</td>
<td>Updating with revised grid interface and cable outlines</td>
<td>Submitted for approval 9/2</td>
</tr>
</tbody>
</table>
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