GLAST Large Area Telescope

Face-to-Face
February 2004

David Lung
LAT ISOC Subsystem Manager
January Accomplishments

☐ Re-baseline Completed
  • Completed the re-baseline effort
    ✓ Updated ISOC WBS scopes and responsibilities
    ✓ Reduced ISOC schedule complexity by removing unnecessary interdependencies
    ✓ Updated the resource loading to level out the expected FTEs

☐ Supported Peer Reviews and TIM at GSFC
  • In the last two months, ISOC supported two Peer Reviews and a TIM at GSFC
    ✓ GSSC Peer Review
    ✓ MOC Peer Review
    ✓ Ground System Technical Interface Meeting
      • Discussed the ground network architecture
      • Coordinated the schedule and plans during the Spectrum Astro hiatus period
      • The command timeline was worked by MOC, ISOC, and GSSC participants - timeline details the flow of command requests from the ISOC to the GSSC for inclusion in the observatory timeline, which is then passed to the MOC for upload to the spacecraft

☐ Kicked off the ISOC Peer Review preparation
Planned February Activities

- Continued preparation for ISOC Peer Review
  - Update ISOC level II and III requirements
    - Walk through continues with support from Richard, Seth, and Eduardo
  - Establish mature drafts of ICDs between ISOC and MOC
  - Preliminary charts by 2/15 (expect a rough outline draft)
Near Term Milestones

<table>
<thead>
<tr>
<th>Milestone ID</th>
<th>Milestone Description</th>
<th>Original Date</th>
<th>Current Date</th>
<th>Major Requirements to Achieve Milestone</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBD1</td>
<td>Update Level II and III requirements</td>
<td>08/15/03</td>
<td>2/24/04</td>
<td>Updating requirements to reflect Science Operations Group</td>
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<tr>
<td>TBD2</td>
<td>Preliminary release of the Verification and Validation Plan</td>
<td>09/05/03</td>
<td>2/24/04</td>
<td>Released, received feedback from GSFC</td>
<td></td>
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<tr>
<td>TBD4</td>
<td>First Draft of Ops ICD</td>
<td>10/31/03</td>
<td>2/17/04</td>
<td>Received the updated draft of the Ops Document from GSFC</td>
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<tr>
<td>TBD5</td>
<td>LAT CMD/TLM database definition</td>
<td>10/31/03</td>
<td>2/17/04</td>
<td>Completed Definition – Started populating the Thermal definitions</td>
<td></td>
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</table>
Key FY 04 dates for ISOC Subsystem

- ISOC Subsystem Peer Review 03/02/04
- ISOC CDR 05/04/04
- Tower A/B Database Release 05/28/04
- ISOC Software Release 1 06/16/04
  - Needed to support GSFC GRT #1
- ISOC Software Release 2 08/26/05
  - Needed to support GSFC GRT #5
Open Issues/Concerns/Prep for Lehman Review

- No significant technical threat at this time

- Concerns
  - No significant concern

- Lehman Review preparations
  - ISOC has just completed the Peer Review earlier in the month, and therefore will have:
    - Updated scope of work and funding
    - Organization and manpower plan
    - Outline of the technical progress made since last Lehman Review