GLAST Large Area Telescope: Gamma-ray Large Area Space Telescope

Face to Face -- Overview

Lowell A. Klaisner
Stanford Linear Accelerator Center
Chief Engineer

Klaisner@slac.stanford.edu
650-926-2726
Meeting Schedule

- November 2003
  - 12, 13 LAT Face to Face
  - 25 CCB meeting

- December 2003
  - 10, 11 LAT Face to Face

- January 2004
  - 7 Cost and Schedule / NASA Monthly (Nov data) at SLAC
    (Meeting with project office and mission office)
  - 14 LAT Face to Face
  - 28 Cost and Schedule / NASA Monthly (Dec data) at SLAC

- February 2004
  - 11, 12 LAT Face to Face at SLAC
  - 25 Cost and Schedule / NASA Monthly (Jan data) at SLAC

- March 2004
  - 10 LAT Face to Face
    (Planning and first look for Lehman Review)
  - 17, 18 Lehman Review Dry Run
    (Mission office invited)
  - 30, 31 & April 1 Lehman Review
LAT Schedule

TKR A
07/02/04

TKR 14
12/21/04

ACD
10/29/04

CAL A
07/02/04

CAL 14
11/23/04

DAQ
11/01/04

TEM/PS A
05/12/04

TEM/PS 14
10/05/04

X-LAT
08/12/04

FSW Complete
12/13/04

GRID Assembly
06/04/04

Install Tower A
4 weeks

Install Towers B-13
20 wks

Install Tower 14
1 week

Global Items
6 weeks

07/02/04

01/04/05

01/11/05

02/23/05

System Test
11 week

9 Week Float

Pre-Test Review

Ship LAT
1 week

Enviro Testing
15 week

4 Week Float

Pre-Ship Review

LAT RFI
12/01/05

05/13/05

07/14/05

11/03/05

Fabrication

CD-4 Review

Commissioning

Rev -
### Unit Schedule

<table>
<thead>
<tr>
<th>Tower</th>
<th>Tracker</th>
<th>Calorimeter</th>
<th>TEM</th>
<th>TEM PS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>7/2/04</td>
<td>7/2/04</td>
<td>6/7/04</td>
<td>5/12/04</td>
</tr>
<tr>
<td>B</td>
<td>7/23/04</td>
<td>7/2/04</td>
<td>6/14/04</td>
<td>5/19/04</td>
</tr>
<tr>
<td>1</td>
<td>7/23/04</td>
<td>7/23/04</td>
<td>8/3/04</td>
<td>7/1/04</td>
</tr>
<tr>
<td>2</td>
<td>8/13/04</td>
<td>7/26/04</td>
<td>8/10/04</td>
<td>7/9/04</td>
</tr>
<tr>
<td>3</td>
<td>8/13/04</td>
<td>8/10/04</td>
<td>8/17/04</td>
<td>7/16/04</td>
</tr>
<tr>
<td>4</td>
<td>9/20/04</td>
<td>8/10/04</td>
<td>8/24/04</td>
<td>7/23/04</td>
</tr>
<tr>
<td>5</td>
<td>9/20/04</td>
<td>9/8/04</td>
<td>8/31/03</td>
<td>7/30/03</td>
</tr>
<tr>
<td>6</td>
<td>10/11/04</td>
<td>9/8/04</td>
<td>9/8/04</td>
<td>8/6/04</td>
</tr>
<tr>
<td>7</td>
<td>10/11/04</td>
<td>10/5/04</td>
<td>9/15/04</td>
<td>8/13/04</td>
</tr>
<tr>
<td>8</td>
<td>11/2/04</td>
<td>10/5/04</td>
<td>9/22/04</td>
<td>8/20/04</td>
</tr>
<tr>
<td>9</td>
<td>11/2/04</td>
<td>10/26/04</td>
<td>9/29/04</td>
<td>8/25/04</td>
</tr>
<tr>
<td>10</td>
<td>11/23/04</td>
<td>10/26/04</td>
<td>10/6/04</td>
<td>8/30/04</td>
</tr>
<tr>
<td>12</td>
<td>12/7/04</td>
<td>11/8/04</td>
<td>10/20/04</td>
<td>9/8/04</td>
</tr>
<tr>
<td>13</td>
<td>12/7/04</td>
<td>11/23/04</td>
<td>10/27/04</td>
<td>9/13/04</td>
</tr>
<tr>
<td>14</td>
<td>12/21/04</td>
<td>11/23/04</td>
<td>11/3/04</td>
<td>9/16/04</td>
</tr>
</tbody>
</table>

### RFI

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GRID</td>
<td>6/4/04</td>
</tr>
<tr>
<td>SIU</td>
<td>10/13/04</td>
</tr>
<tr>
<td>PDU</td>
<td>10/13/04</td>
</tr>
<tr>
<td>GASU</td>
<td>10/25/04</td>
</tr>
<tr>
<td>EPU</td>
<td>11/1/04</td>
</tr>
<tr>
<td>ACD</td>
<td>11/3/04</td>
</tr>
<tr>
<td>FSW</td>
<td>12/13/03</td>
</tr>
<tr>
<td>Test FSW</td>
<td>2/18/05</td>
</tr>
<tr>
<td>LAT Complete</td>
<td>3/1/05</td>
</tr>
</tbody>
</table>
Path forward

- Transition to producing flight hardware
  - Freeze designs and document
  - Increased rigor
    - Build to released drawings and procedures
- Plan from now through March 04
  - On-Plan for the Lehman Review
  - What are the barriers?
    - What are the mitigations?
      - More Staff
      - More Facilities
      - More Funding
      - Work in parallel
    - How can we help each other achieve goals?