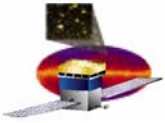


GLAST Large Area Telescope:

Project Status Overview

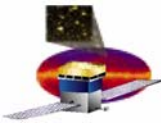
Lowell A. Klaisner
Stanford Linear Accelerator Center
Project Manager

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



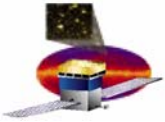
Rebaseline Schedule

- **11/24** LAT project will have materials that DOE requested available – Done
- **12/6** LAT JOG telecon at 11am - noon EST
- **12/13** LAT JOG at NASA-HQ 10am - noon EST
- **12/16** LAT breakout at DOE-Germantown
- **12/17** LAT DOE/Lehman rebaseline review at DOE-Germantown

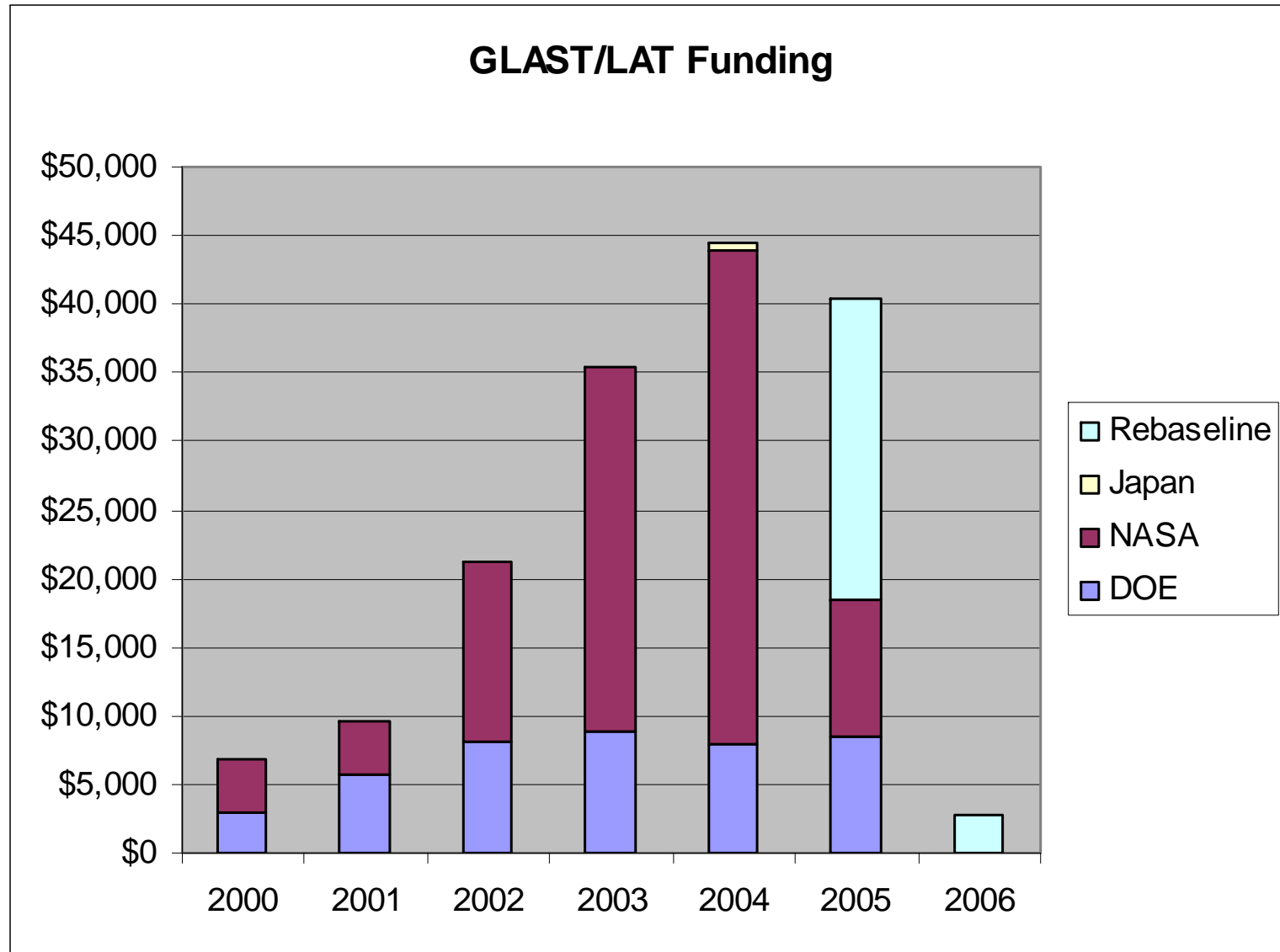


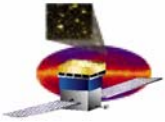
Rebaseline proposal

| (K\$) | Rebaseline Jul-03¹ | Current Baseline Oct-04 | New Estimate | Variance |
|----------------------|------------------------------------------|----------------------------------------|-------------------------|-----------------|
| Budget at Completion | \$119,504 | \$132,202 | \$155,331 | \$23,128 |
| Contingency | \$14,345 | \$3,783 | \$5,211 | \$1,428 |
| Total Estimated Cost | \$133,849 | \$135,985 | \$160,542 | \$24,556 |

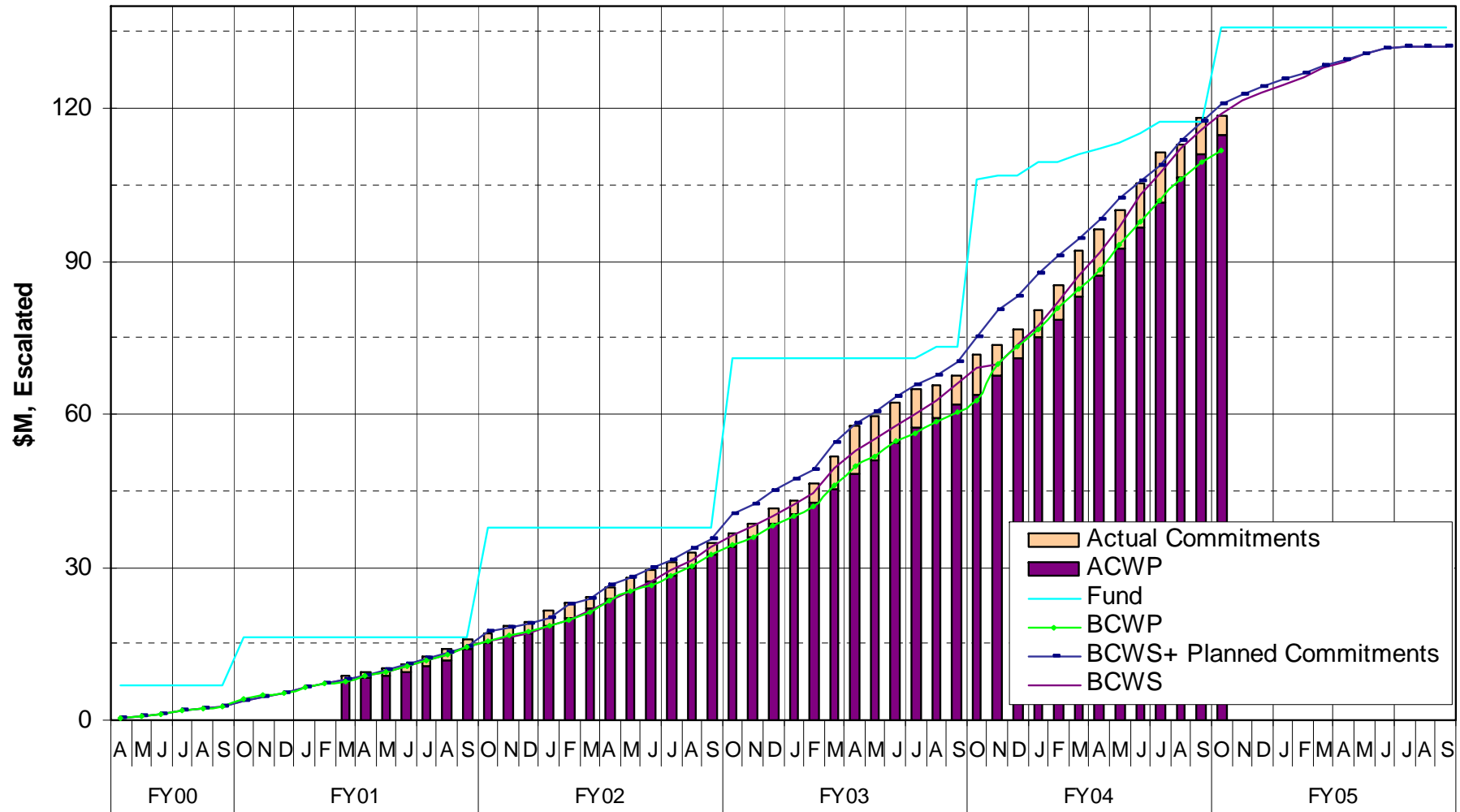


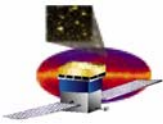
Funding by fiscal year





Budget, Cost, Funding, Performance





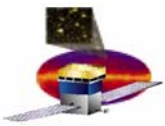
CPR Level 3

Total project schedule variance

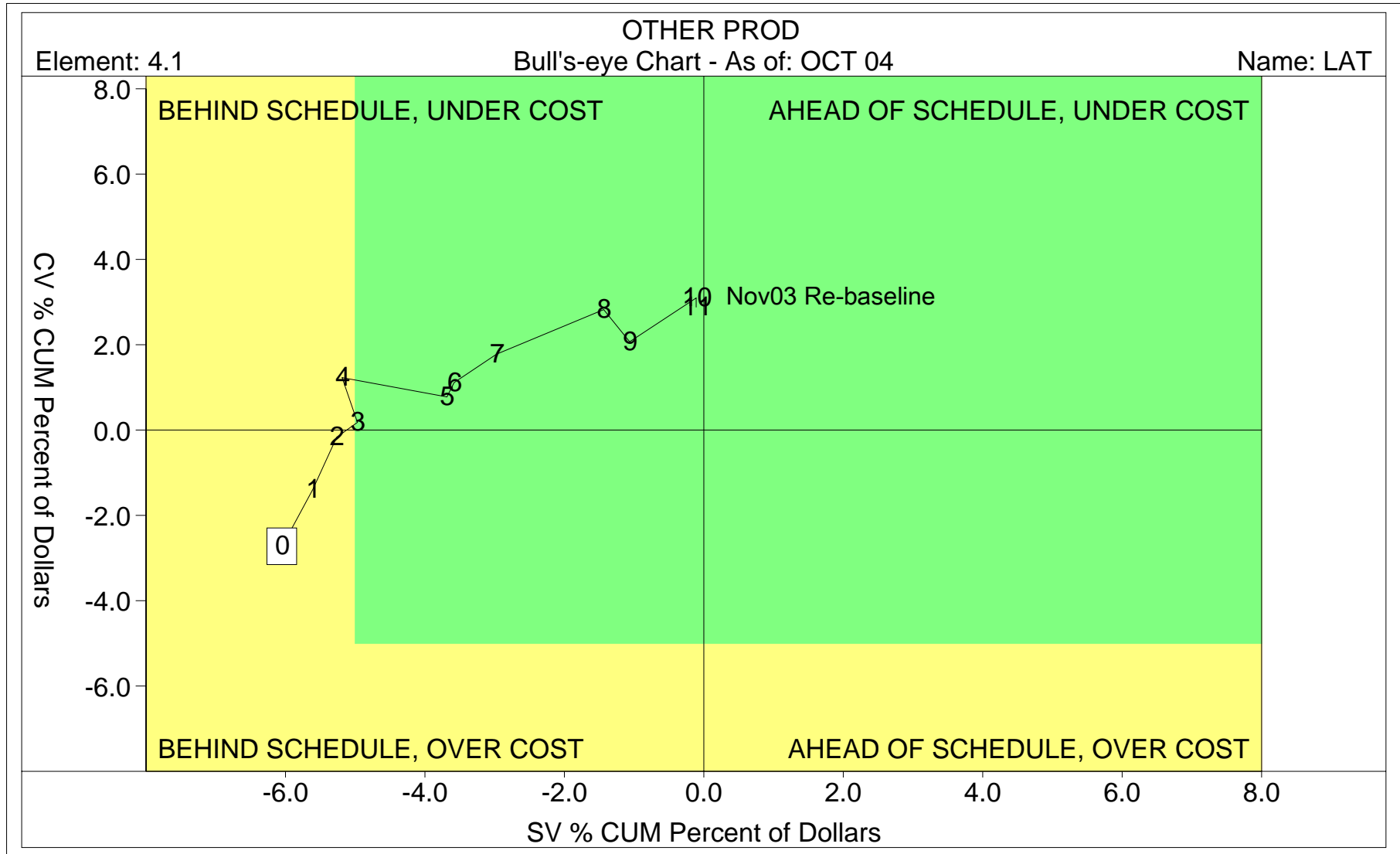
Cumulative Variance > +/-10%
(will be reported to DOE/NASA)

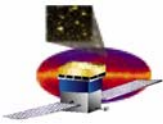
Notable current period variances

| Cost Performance Report - Work Breakdown Structure | | | | | | | | | | | | | |
|----------------------------------------------------|----------------|----------------|------------------|----------|-------------------|--------------------|----------------|------------------|----------|----------------|---------------|-------------------------|----------|
| Contractor: | | | | | Contract Type/No: | | | Project Name/No: | | Report Period: | | | |
| Location: | | | | | | | | LAT | | 9/30/2004 | | 10/31/2004 | |
| CAPW[3] | Current Period | | | | | Cumulative to Date | | | | | At Completion | | |
| | Budgeted Cost | | Actual Cost Work | Variance | | Budgeted Cost | | Actual Cost Work | Variance | | Budgeted | Latest Revised Estimate | Variance |
| | Work Scheduled | Work Performed | | Schedule | Cost | Work Scheduled | Work Performed | | Schedule | Cost | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
| 4.1.1 INSTRUMENT MANAGEMENT | 363 | 363 | 266 | 0 | 97 | 14,259 | 14,259 | 14,186 | 0 | 74 | 16,911 | 16,911 | 0 |
| 4.1.2 SYSTEM ENGINEERING | 152 | 152 | 170 | 0 | -18 | 5,811 | 5,811 | 5,582 | 0 | 229 | 7,047 | 7,047 | 0 |
| 4.1.4 TRACKER | 674 | 260 | 424 | -414 | -164 | 15,948 | 14,959 | 15,579 | -989 | -621 | 16,573 | 16,573 | 0 |
| 4.1.5 CALORIMETER | 581 | 643 | 505 | 62 | 138 | 20,410 | 18,576 | 18,410 | -1,833 | 166 | 22,022 | 22,022 | 0 |
| 4.1.6 ANTICOINCIDENCE DETECTOR | 118 | 170 | 387 | 52 | -217 | 15,157 | 14,635 | 14,895 | -522 | -259 | 15,595 | 15,595 | 0 |
| 4.1.7 ELECTRONICS | 269 | 172 | 1,146 | -97 | -974 | 20,778 | 18,293 | 20,978 | -2,485 | -2,684 | 22,055 | 22,055 | 0 |
| 4.1.8 MECHANICAL SYSTEMS | 409 | 159 | 617 | -250 | -458 | 12,497 | 11,674 | 12,251 | -823 | -577 | 14,179 | 14,179 | 0 |
| 4.1.9 INTEGRATION & TEST | 283 | 226 | 279 | -57 | -53 | 5,680 | 5,129 | 5,257 | -551 | -128 | 7,764 | 7,764 | 0 |
| 4.1.A PERFORMANCE AND SAFETY ASSURANCE | 142 | 142 | 76 | 0 | 66 | 2,465 | 2,465 | 2,307 | 0 | 159 | 2,935 | 2,935 | 0 |
| 4.1.B LAT INSTRUMENT SCIENCE OPERATIONS CENTER | 4 | 4 | 2 | 0 | 2 | 299 | 299 | 297 | 0 | 2 | 328 | 328 | 0 |
| 4.1.C EDUCATION AND PUBLIC OUTREACH | 51 | 52 | 30 | 2 | 23 | 2,035 | 2,036 | 1,636 | 2 | 401 | 2,448 | 2,448 | 0 |
| 4.1.D SCIENCE ANALYSIS SOFTWARE | 78 | 78 | 41 | 0 | 38 | 2,387 | 2,387 | 2,200 | 0 | 187 | 3,020 | 3,020 | 0 |
| 4.1.E SUBORBITAL FLIGHT TEST | 0 | 0 | 0 | 0 | 0 | 1,325 | 1,325 | 1,325 | 0 | 0 | 1,325 | 1,325 | 0 |
| Gen. and Admin. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Undist. Budget | | | | | | | | | | | 0 | 0 | 0 |
| Sub Total | 3,123 | 2,421 | 3,942 | -702 | -1,521 | 119,051 | 111,850 | 114,903 | -7,201 | -3,053 | 132,202 | 132,202 | 0 |
| Contingency | | | | | | | | | | | 3,783 | 3,783 | 0 |
| Total | 3,123 | 2,421 | 3,942 | -702 | -1,521 | 119,051 | 111,850 | 114,903 | -7,201 | -3,053 | 135,985 | 135,985 | 0 |

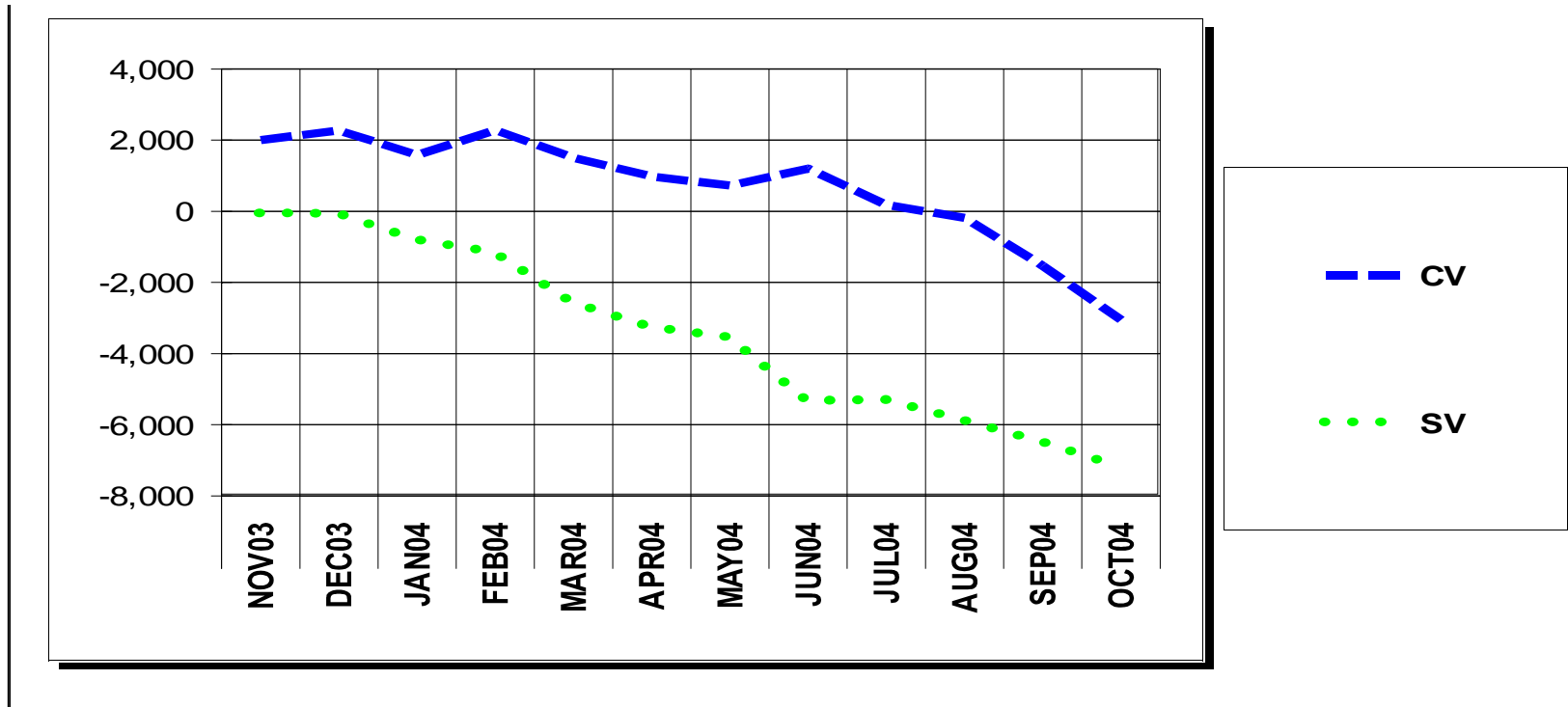


Variance Analysis

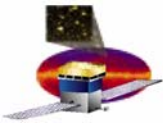




CV and SV Chart



| | NOV03 | DEC03 | JAN04 | FEB04 | MAR04 | APR04 | MAY04 | JUN04 | JUL04 | AUG04 | SEP04 | OCT04 |
|------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| BCWS | 69,801 | 73,433 | 77,394 | 81,916 | 87,277 | 91,518 | 96,621 | 103,131 | 107,062 | 111,988 | 115,928 | 119,051 |
| BCWP | 69,724 | 73,353 | 76,574 | 80,742 | 84,687 | 88,244 | 93,063 | 97,784 | 101,746 | 106,092 | 109,429 | 111,850 |
| ACWP | 67,721 | 71,081 | 74,989 | 78,460 | 83,184 | 87,264 | 92,340 | 96,584 | 101,567 | 106,275 | 110,961 | 114,903 |
| CV | 2,003 | 2,271 | 1,585 | 2,281 | 1,503 | 979 | 723 | 1,199 | 179 | -183 | -1,532 | -3,053 |
| SV | -76 | -80 | -820 | -1,175 | -2,590 | -3,274 | -3,558 | -5,348 | -5,316 | -5,895 | -6,499 | -7,201 |



Performance Analysis

| | WBS | Description | BAC | BCWS | BCWP | ACWP | SV \$ | CV \$ | %BCWS | %BCWP | %ACWP | SPI | CPI | SPI | CPI | Cpi_Fcst | CpiSpi_Fcst |
|----|-------|----------------|---------|---------|---------|---------|--------|--------|--------|--------|-------|-----|-----|-------|-------|----------|-------------|
| 1 | 4.1 | LAT | 132,202 | 119,051 | 111,850 | 114,903 | -7,201 | -3,053 | 90.05 | 84.61 | 86.91 | ↔ | ↓ | 0.940 | 0.973 | 135,811 | 137,157 |
| 2 | 4.1.1 | Instr Mgmt | 16,911 | 14,259 | 14,259 | 14,186 | 0 | 74 | 84.32 | 84.32 | 83.88 | ↔ | ↑ | 1.000 | 1.005 | 16,824 | 16,824 |
| 3 | 4.1.2 | System Engr | 7,047 | 5,811 | 5,811 | 5,582 | 0 | 229 | 82.46 | 82.46 | 79.21 | ↔ | ↓ | 1.000 | 1.041 | 6,770 | 6,770 |
| 4 | 4.1.4 | Tracker | 16,573 | 15,948 | 14,959 | 15,579 | -989 | -621 | 96.23 | 90.26 | 94.00 | ↓ | ↓ | 0.938 | 0.960 | 17,261 | 17,372 |
| 5 | 4.1.5 | Calorimeter | 22,022 | 20,410 | 18,576 | 18,410 | -1,833 | 166 | 92.68 | 84.35 | 83.60 | ↔ | ↑ | 0.910 | 1.009 | 21,825 | 22,162 |
| 6 | 4.1.6 | ACD | 15,595 | 15,157 | 14,635 | 14,895 | -522 | -259 | 97.19 | 93.84 | 95.51 | ↔ | ↓ | 0.966 | 0.983 | 15,872 | 15,907 |
| 7 | 4.1.7 | Electronics | 22,055 | 20,778 | 18,293 | 20,978 | -2,485 | -2,684 | 94.21 | 82.94 | 95.11 | ↔ | ↓ | 0.880 | 0.872 | 25,291 | 25,877 |
| 8 | 4.1.8 | Mechanical | 14,179 | 12,497 | 11,674 | 12,251 | -823 | -577 | 88.14 | 82.34 | 86.41 | ↓ | ↓ | 0.934 | 0.953 | 14,880 | 15,065 |
| 9 | 4.1.9 | I&T | 7,764 | 5,680 | 5,129 | 5,257 | -551 | -128 | 73.15 | 66.06 | 67.71 | ↔ | ↓ | 0.903 | 0.976 | 7,959 | 8,249 |
| 10 | 4.1.A | PSA | 2,935 | 2,465 | 2,465 | 2,307 | 0 | 159 | 83.99 | 83.99 | 78.59 | ↔ | ↑ | 1.000 | 1.069 | 2,746 | 2,746 |
| 11 | 4.1.B | ISOC | 328 | 299 | 299 | 297 | 0 | 2 | 91.21 | 91.21 | 90.63 | ↔ | ↑ | 1.000 | 1.006 | 326 | 326 |
| 12 | 4.1.C | EPO | 2,448 | 2,035 | 2,036 | 1,636 | 2 | 401 | 83.10 | 83.17 | 66.81 | ↔ | ↔ | 1.001 | 1.245 | 1,967 | 1,967 |
| 13 | 4.1.D | SAS | 3,019 | 2,387 | 2,387 | 2,200 | 0 | 187 | 79.06 | 79.06 | 72.86 | ↔ | ↑ | 1.000 | 1.085 | 2,783 | 2,783 |
| 14 | 4.1.E | Balloon Flight | 1,325 | 1,325 | 1,325 | 1,325 | 0 | 0 | 100.00 | 100.00 | 99.98 | ↔ | ↑ | 1.000 | 1.000 | 1,325 | 1,325 |

LEGEND

BAC: Budget At Complete

BCWS: Budgeted Cost of Work Scheduled (to date)

BCWP: Budgeted Cost of Work Performed (to date)

ACWP: Actual Cost of Work Performed (to date)

SV \$: Schedule Variance = BCWP - BCWS

CV \$: Cost Variance = BCWP - ACWP

SPI: Schedule Performance Index = BCWP/BCWS

CPI: Cost Performance Index = BCWP/ACWP

% BCWS: Percent Scheduled = BCWS/BAC

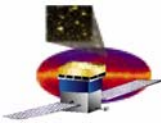
% BCWP: Percent Complete = BCWP/BAC

% ACWP: Percent Spent = ACWP/BAC

Cpi_Fcst: CPI (to date) EAC Forecast = BAC / CPI

CpiSpi_Fcst: Combination CPI and SPI EAC Forecast = ACWP + (BAC - BCWP) / (CPI * SPI)

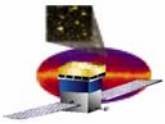
| CPI and SPI Change Thresholds | |
|---------------------------------------|-----------------------|
| ■ | Worse than 0.85 |
| ■ | Between 0.85 and 0.95 |
| ■ | Between 0.95 and 1.10 |
| ■ | Better than 1.10 |



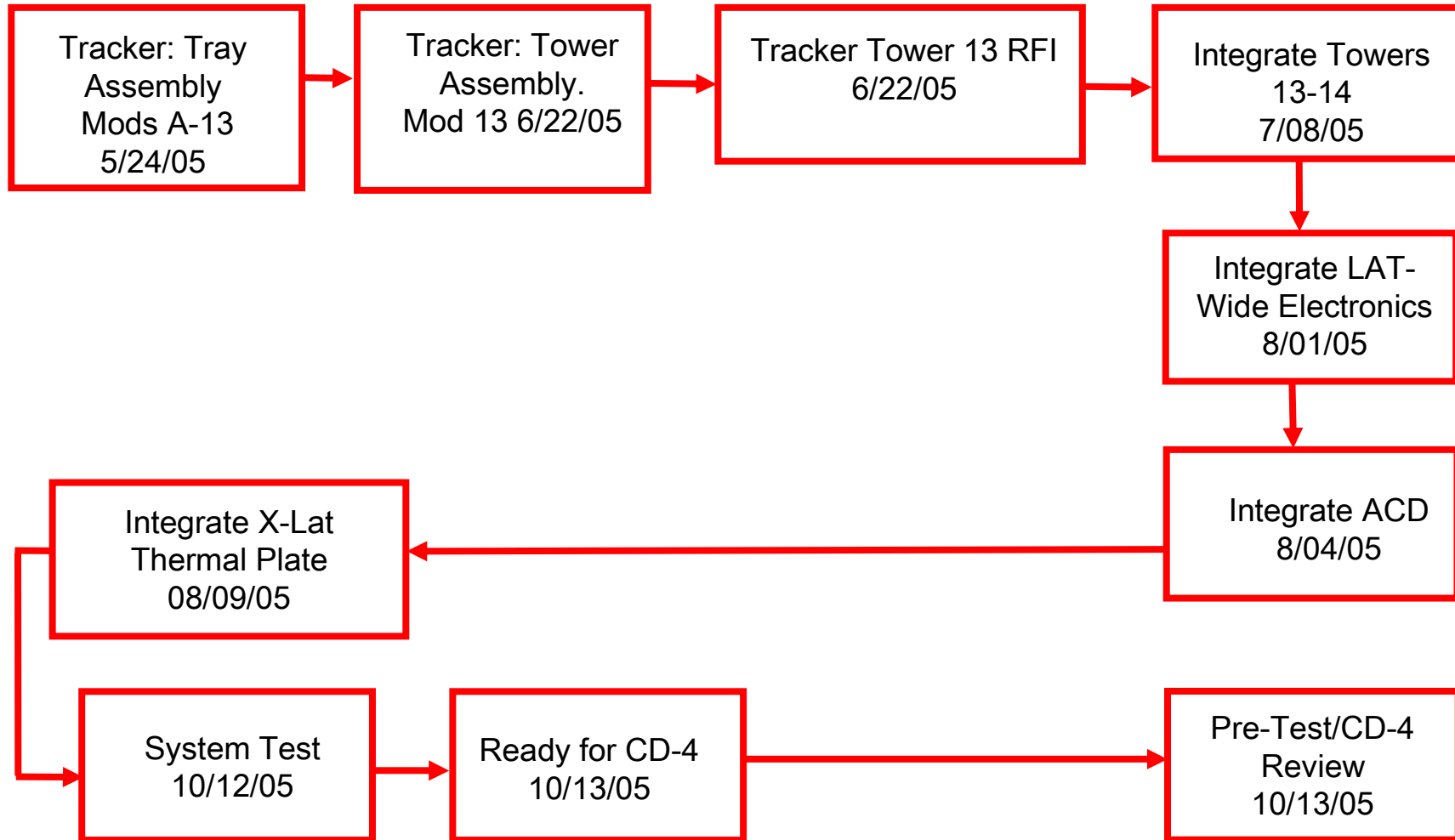
Module Delivery

| M/E October 2004 | Forecast Dates and Float (working days) to "Preship Review" | | | | | | | | |
|-------------------|-------------------------------------------------------------|-----------|------|------------|------|-----------|------|-----------|------|
| | Mech/ACD | TKR | CAL | TEM/TEM PS | I&T | | | | |
| Grid | 8-Nov-04 | (14) | | | | | | | |
| Module A | | 22-Dec-04 | (23) | 10-Nov-04 | 5 | 14-Jan-05 | (34) | 15-Feb-05 | (34) |
| Module B | | 20-Jan-05 | (22) | 30-Nov-04 | 13 | 14-Jan-05 | (14) | 16-Mar-05 | (34) |
| Module 1 | | 18-Feb-05 | (18) | 6-Dec-04 | 29 | 4-Mar-05 | (27) | 23-Mar-05 | (34) |
| Module 2 | | 18-Feb-05 | (13) | 3-Jan-05 | 20 | 11-Mar-05 | (27) | 30-Mar-05 | (34) |
| Module 3 | | 18-Feb-05 | (8) | 12-Jan-05 | 17 | 17-Mar-05 | (26) | 6-Apr-05 | (34) |
| Module 4 | | 21-Mar-05 | (23) | 18-Jan-05 | 18 | 23-Mar-05 | (25) | 13-Apr-05 | (34) |
| Module 5 | | 21-Mar-05 | (18) | 18-Jan-05 | 25 | 29-Mar-05 | (24) | 20-Apr-05 | (34) |
| Module 6 | | 21-Mar-05 | (13) | 31-Jan-05 | 21 | 4-Apr-05 | (23) | 27-Apr-05 | (34) |
| Module 7 | | 21-Apr-05 | (31) | 31-Jan-05 | 26 | 11-Apr-05 | (23) | 4-May-05 | (34) |
| Module 8 | | 21-Apr-05 | (26) | 11-Mar-05 | 3 | 18-Apr-05 | (23) | 11-May-05 | (34) |
| Module 9 | | 21-Apr-05 | (21) | 11-Mar-05 | 8 | 25-Apr-05 | (23) | 18-May-05 | (34) |
| Module 10 | | 23-May-05 | (38) | 21-Mar-05 | 7 | 2-May-05 | (23) | 1-Jun-05 | (38) |
| Module 11 | | 23-May-05 | (33) | 21-Mar-05 | 12 | 9-May-05 | (23) | 8-Jun-05 | (38) |
| Module 12 | | 23-May-05 | (28) | 30-Mar-05 | 10 | 16-May-05 | (23) | 15-Jun-05 | (38) |
| Module 13 | | 22-Jun-05 | (44) | 30-Mar-05 | 15 | 23-May-05 | (23) | 30-Jun-05 | (44) |
| Module 14 | | 22-Jun-05 | (39) | 23-May-05 | (18) | 31-May-05 | (23) | 8-Jul-05 | (44) |
| ACD | 17-May-05 | 7 | | | | | | | |
| X-LAT | 9-Feb-05 | 78 | | | | | | | |
| SIU | | | | | | 12-May-05 | (6) | | |
| PDU | | | | | | 25-Apr-05 | 7 | | |
| Harness | | | | | | 12-Nov-04 | 113 | | |
| GASU | | | | | | 3-May-05 | 1 | | |
| EPU | | | | | | 27-Apr-05 | 5 | | |
| FSW | | | | | | 31-Jan-05 | 67 | | |
| Inst Global Items | | | | | | | | 9-Aug-05 | (44) |
| System Test | | | | | | | | 13-Oct-05 | (44) |
| Ship LAT to NRL | | | | | | | | 19-Oct-05 | (44) |
| EMI/EMC Test | | | | | | | | 17-Nov-05 | (44) |
| Sine Vibe | | | | | | | | 30-Nov-05 | (44) |
| Acoustic Test | | | | | | | | 12-Dec-05 | (44) |
| TVAC | | | | | | | | 29-Jan-06 | (44) |
| Weight & CG | | | | | | | | 31-Jan-06 | (44) |
| Preship Review | | | | | | | | 1-Feb-06 | (44) |

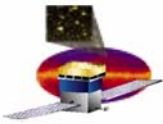
Yellow = Float between 15 and 1
 Red = Float < 1



Current Critical Path to CD-4

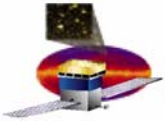


Completion Dates (Baseline Variance)



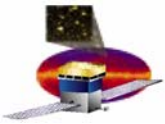
Level 1 & 2 Milestones

| Activity ID | Activity Description | Baseline Finish | Bsln Var | Early Finish | Timeline | | | | | | | | | | | |
|----------------------------------------------------|---------------------------------------|-----------------|----------|--------------|--------------------------------------|------|------|------|------|--------------------------------|---|---|--|--|---------|--|
| | | | | | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | | | | | |
| DOE/NASA Joint Oversight Group (Level 1) | | | | | | | | | | | | | | | | |
| 1M1P000000 | DOE Critical Decision (CD) 0 Approval | 06/25/01A | 0 | 06/25/01A | ▼ | | | | | | | | | | | |
| 1M1P000010 | CD-1 Approval | 07/23/02A | 0 | 07/23/02A | | | ▼ | | | | | | | | | |
| 1M1P000020 | CD-2 Approval | 11/08/02A | 0 | 11/08/02A | | | | ▼ | | | | | | | | |
| 1M1P000030 | CD-3 Approval | 09/03/03A | 0 | 09/03/03A | | | | | ▼ | | | | | | | |
| 1M1P000060 | Flight GRID Complete | 09/15/04* | -38 | 11/08/04 | | | | | | ▼ | | | | | | |
| 1M1P000040 | CD-4 Approval | 03/15/06* | 0 | 03/15/06* | | | | | | | | | | | ▼ | |
| DOE/NASA Federal Project Managers (Level 2) | | | | | | | | | | | | | | | | |
| 1M1BF00000 | Launch Balloon Flight | 08/01/01A | 0 | 08/01/01A | ▼ | | | | | | | | | | | |
| 1M1000100 | Instrument Preliminary Design Review | 01/08/02A | 0 | 01/08/02A | | ▼ | | | | | | | | | | |
| 1M1000110 | I-CDR (Critical Design Review) | 05/16/03A | 0 | 05/16/03A | | | | ▼ | | | | | | | | |
| 1M1000740 | Start LAT Integration | 08/24/04* | -83 | 12/22/04 | | | | | | ▼ | | | | | | |
| 1M1000700 | Pre Environmental Testing Review | 07/14/05* | -72 | 10/25/05 | | | | | | | ▼ | | | | | |
| 1M1000120 | PSR-(Instrument Pre-Ship Review) | 12/01/05* | -45 | 02/13/06 | | | | | | | | ▼ | | | | |
| Run Date: 11/23/04 10:57 | | | | | GLAST LAT PROJECT | | | | | LT-T1: Level 1 && 2 Milestones | | | | | Sheet 1 | |
| Data Date: 11/01/04 | | | | | Level 1&&2 Milestones | | | | | FL-T1: Level 1 && 2 Milestones | | | | | | |
| © Primavera Systems, Inc. | | | | | | | | | | | | | | | | |



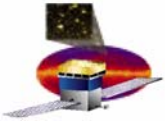
SLAC Winter Shutdown

- **SLAC closed from December 18 through January 2**
 - **Closed means folks are not expected to be on site**
 - **Need prior approval for personnel to support critical activities**
 - **Limited infrastructure personnel available**
- **Should not plan to receive flight modules during this period**
- **We will be able to have telephone meetings as required**
- **We can plan preship reviews, etc. by telephone**
- **I will be available by email and cell phone 650-248-7132**

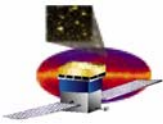


Draft Management Meeting Calendar

- **January 5, 2005** **Monthly Status (Subsystem status chart by email)**
- **January 12, 2005** **Face to Face**
- **February 2, 2005** **Monthly status review (Dec results)**
- **February 16, 2005** **Face to Face**
- **March 2, 2005** **Monthly status review (Jan results)**
- **March 16, 2005** **Face to Face**
- **March 30, 2005** **Monthly status review (Feb results)**
- **April 13, 2005** **Face to Face**
- **April 27, 2005** **Monthly status review (Mar results)**
- **May 11, 2005** **Face to Face**
- **May 25, 2005** **Monthly status review (April results)**
- **June 15, 2005** **Face to Face**
- **June 29, 2005** **Monthly status review (May results)**

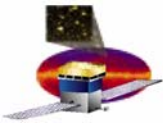


Backup Material



Level 3 Milestones by Subsystem

| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | | | | | |
|--------------------------------------------|-------------|----|---------------------------------|-----------------|----------|--------------|---------------------------|----|----|----|------|----|----|---------------------------------------|--|---|--|---------|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | | |
| Instrument Project Office (Level 3) | | | | | | | | | | | | | | | | | | |
| 4.1.1 Instrument Management | | | | | | | | | | | | | | | | | | |
| 1 | 1M1001920 | | Pre-Environmental Test Review | 06/07/05 | -98 | 10/25/05 | | | | | | | | | | ◆ | | |
| 4.1.4 Tracker | | | | | | | | | | | | | | | | | | |
| 4 | 1M1001430 | 9 | Delv of TKR EM to SLAC I&T/MGSE | 01/02/04 | -200 | 10/15/04A | ◆ | | | | ▼ | | | | | | | |
| 4 | 1M1000200 | 9 | Tracker Modules A RFI | 07/28/04 | -102 | 12/22/04 | | | | ◆ | | ▽ | | | | | | |
| 4 | 1M1000201 | 9 | Tracker Modules B RFI | 08/18/04 | -101 | 01/20/05 | | | | ◆ | | ▽ | | | | | | |
| 4 | 1M1000220 | 9 | Tracker Modules 1 RFI | 08/18/04 | -122 | 02/18/05 | | | | ◆ | | ▽ | | | | | | |
| 4 | 1M1000221 | 9 | Tracker Modules 2 RFI | 09/08/04 | -108 | 02/18/05 | | | | ◆ | | ▽ | | | | | | |
| 4 | 1M1000250 | 9 | Flight Tracker Tower 3 RFI | 09/08/04 | -108 | 02/18/05 | | | | ◆ | | ▽ | | | | | | |
| 4 | 1M1000251 | 9 | Flight Tracker Tower 4 RFI | 10/14/04 | -102 | 03/21/05 | | | | ◆ | | ▽ | | | | | | |
| 4 | 1M1000260 | 9 | Flight Tracker Tower 5 RFI | 10/14/04 | -102 | 03/21/05 | | | | ◆ | | ▽ | | | | | | |
| 4 | 1M1000261 | 9 | Flight Tracker Tower 6 RFI | 11/05/04 | -86 | 03/21/05 | | | | ◆ | | ▽ | | | | | | |
| 4 | 1M1000270 | 9 | Flight Tracker Tower 7 RFI | 11/05/04 | -109 | 04/21/05 | | | | ◆ | | | ▽ | | | | | |
| 4 | 1M1000271 | 9 | Flight Tracker Tower 8 RFI | 11/24/04 | -96 | 04/21/05 | | | | ◆ | | | ▽ | | | | | |
| 4 | 1M1000280 | 9 | Flight Tracker Tower 9 RFI | 11/24/04 | -96 | 04/21/05 | | | | ◆ | | | ▽ | | | | | |
| 4 | 1M1000281 | 9 | Flight Tracker Tower 10 RFI | 12/17/04 | -103 | 05/23/05 | | | | ◆ | | | | ▽ | | | | |
| Run Date 11/23/04 10:59 | | | | | | | GLAST LAT PROJECT | | | | | | | LT-T3: Level 3 sort by Subsystem (tb) | | | | Sheet 1 |
| Data Date 11/01/04 | | | | | | | Level 3 Milestones | | | | | | | FL-T3: L3 Milestones from Oct03 on | | | | |
| © Primavera Systems, Inc. | | | | | | | Sort by Subsystem | | | | | | | | | | | |



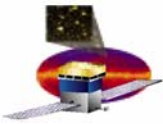
Level 3 Milestones by Subsystem

| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | | | |
|--------------------------|-------------|----|--------------------------------|-----------------|----------|--------------|------|----|----|----|------|----|----|----|--|--|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| 4.1.4 Tracker | | | | | | | | | | | | | | | | |
| 4 | 1M1000290 | 9 | Flight Tracker Tower 11 RFI | 12/17/04 | -103 | 05/23/05 | | | | | | | | | | |
| 4 | 1M1000291 | 9 | Flight Tracker Tower 12 RFI | 01/11/05 | -92 | 05/23/05 | | | | | | | | | | |
| 4 | 1M1000300 | 9 | Flight Tracker Tower 13 RFI | 01/11/05 | -113 | 06/22/05 | | | | | | | | | | |
| 4 | 1M1000301 | 9 | Flight Tracker Tower 14 RFI | 01/25/05 | -104 | 06/22/05 | | | | | | | | | | |
| 4 | 1M1000310 | 9 | Flight Tracker Tower 15 RFI | 01/25/05 | -124 | 07/21/05 | | | | | | | | | | |
| 4 | 1M1000311 | 9 | Flight Tracker Tower 16 RFI | 02/08/05 | -114 | 07/21/05 | | | | | | | | | | |
| 4.1.5 Calorimeter | | | | | | | | | | | | | | | | |
| 5 | 1M1000210 | 9 | Calorimeter Modules A RFI | 07/09/04 | -100 | 12/01/04 | | | | | | | | | | |
| 5 | 1M1500 | 9 | Calorimeter Modules B RFI | 07/09/04 | -100 | 12/01/04 | | | | | | | | | | |
| 5 | 1M1000230 | 9 | Calorimeter Modules 1 RFI | 07/30/04 | -88 | 12/06/04 | | | | | | | | | | |
| 5 | 1M1510 | 9 | Calorimeter Modules 2 RFI | 08/02/04 | -101 | 01/03/05 | | | | | | | | | | |
| 5 | 1M1000400 | 9 | Flight Calorimeter Tower 3 RFI | 08/17/04 | -97 | 01/12/05 | | | | | | | | | | |
| 5 | 1M1000390 | 9 | Flight Calorimeter Tower 5 RFI | 09/15/04 | -80 | 01/18/05 | | | | | | | | | | |
| 5 | 1M1520 | 9 | Flight Calorimeter Tower 4 RFI | 08/17/04 | -100 | 01/18/05 | | | | | | | | | | |
| 5 | 1M1000380 | 9 | Flight Calorimeter Tower 7 RFI | 10/11/04 | -99 | 03/11/05 | | | | | | | | | | |
| 5 | 1M1530 | 9 | Flight Calorimeter Tower 6 RFI | 09/15/04 | -117 | 03/11/05 | | | | | | | | | | |

Run Date 11/23/04 10:59
 Data Date 11/01/04
 © Primavera Systems, Inc.

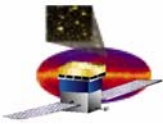
GLAST LAT PROJECT
Level 3 Milestones
Sort by Subsystem

LT-T3: Level 3 sort by Subsystem (tb)
 FL-T3: L3 Milestones from Oct03 on
 Sheet 2



Level 3 Milestones by Subsystem

| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | | | |
|---------------------------|-------------|----|-------------------------------------------------|-----------------|----------|--------------|---------------------------|----|----|----|---------------------------------------|----|----|----|---------|--|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| 4.1.5 Calorimeter | | | | | | | | | | | | | | | | |
| 5 | 1M1000370 | 9 | Flight Calorimeter Tower 9 RFI | 11/02/04 | -89 | 03/21/05 | | | | | ◆ | | ▽ | | | |
| 5 | 1M1540 | 9 | Flight Calorimeter Tower 8 RFI | 10/11/04 | -105 | 03/21/05 | | | | | ◆ | | ▽ | | | |
| 5 | 1M1000360 | 9 | Flight Calorimeter Tower 11 RFI | 11/16/04 | -88 | 04/01/05 | | | | | ◆ | | ▽ | | | |
| 5 | 1M1550 | 9 | Flight Calorimeter Tower 10 RFI | 11/02/04 | -98 | 04/01/05 | | | | | ◆ | | ▽ | | | |
| 5 | 1M1000350 | 9 | Flight Calorimeter Tower 13 RFI | 12/02/04 | -83 | 04/08/05 | | | | | ◆ | | ▽ | | | |
| 5 | 1M1560 | 9 | Flight Calorimeter Tower 12 RFI | 11/15/04 | -94 | 04/08/05 | | | | | ◆ | | ▽ | | | |
| 5 | 1M1000340 | 9 | Flight Calorimeter Tower 15 RFI (Spare) | 01/06/05 | -71 | 04/19/05 | | | | | | ◆ | | ▽ | | |
| 5 | 1M1570 | 9 | Flight Calorimeter Tower 14 RFI | 12/02/04 | -90 | 04/19/05 | | | | | | ◆ | | ▽ | | |
| 5 | 1M1580 | 9 | Flight Calorimeter Tower 16 RFI (Spare) | 01/06/05 | -82 | 05/04/05 | | | | | | | ◆ | | ▽ | |
| 4.1.6 ACD | | | | | | | | | | | | | | | | |
| 6 | 1M1001000 | 9 | ACD Test Scripts (from ACD to I&T) | 07/01/04 | -102 | 11/24/04 | | | | ◆ | | ▽ | | | | |
| 6 | 1M1000990 | 9 | ACD Calibration Test Unit at SLAC, Tested & RFI | 01/18/05 | 0 | 01/18/05 | | | | | | | ▽ | ◆ | | |
| 6 | 1M1000410 | 9 | ACD Flight Unit at SLAC, Tested/Inspected & RFI | 11/03/04 | -129 | 05/17/05 | | | | | | ◆ | | | ▽ | |
| 4.1.7 Electronics | | | | | | | | | | | | | | | | |
| 7 | 1M76000010 | 6 | 3rd G2 Test Stand: Elec to ACD | 12/08/03 | 0 | 12/08/03A | ▽ | | | | | | | | | |
| 7 | 1M1000920 | 4 | EM2 TEM: Elec to Tracker | 01/12/04 | -55 | 03/31/04A | | ◆ | ▽ | | | | | | | |
| Run Date 11/23/04 10:59 | | | | | | | GLAST LAT PROJECT | | | | LT-T3: Level 3 sort by Subsystem (tb) | | | | Sheet 3 | |
| Data Date 11/01/04 | | | | | | | Level 3 Milestones | | | | FL-T3: L3 Milestones from Oct03 on | | | | | |
| © Primavera Systems, Inc. | | | | | | | Sort by Subsystem | | | | | | | | | |



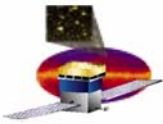
Level 3 Milestones by Subsystem

| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | |
|---------------------------|-------------|----|--------------------------------------------------|-----------------|----------|--------------|------|----|----|----|------|----|----|----|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| 4.1.7 Electronics: | | | | | | | | | | | | | | |
| 7 | 1M74000010 | 4 | Updated EGSE System 1: Elec to TKR | 12/08/03 | -80 | 04/09/04A | ◆ | | ▼ | | | | | |
| 7 | 1M76000020 | 6 | G3 Test Stand (test 2 FREE Cards): Elec to ACD | 12/15/03 | -84 | 04/22/04A | ◆ | | ▼ | | | | | |
| 7 | 1M74000020 | 4 | Updated EGSE System 2: Elec to TKR | 12/22/03 | -82 | 04/27/04A | ◆ | | ▼ | | | | | |
| 7 | 1M76000030 | 6 | G3 Test Stand (Fit-like I/F): Elec to ACD | 02/20/04 | -64 | 05/20/04A | | ◆ | ▼ | | | | | |
| 7 | 1M79010 | | Demo: SI Functionality - Elec to MO | 05/28/04* | 0 | 05/28/04A | | | ▼ | | | | | |
| 7 | 1M74000030 | 4 | Updated EGSE System 3: Elec to TKR | 01/07/04 | -104 | 06/04/04A | ◆ | | ▼ | | | | | |
| 7 | 1M74000040 | 4 | EGSE System 4: Elec to TKR | 01/14/04 | -99 | 06/04/04A | ◆ | | ▼ | | | | | |
| 7 | 1M74000050 | 4 | EGSE System 5: Elec to TKR | 01/22/04 | -94 | 06/04/04A | ◆ | | ▼ | | | | | |
| 7 | 1M1001870 | 5 | 5 EM2 TEM/PS for AFEE brd ass & tst: Elec to CAL | 01/15/04 | -99 | 06/07/04A | ◆ | | ▼ | | | | | |
| 7 | 1M1001900 | 5 | Test Stations (5) for AFEE: Elec to CAL | 01/14/04 | -100 | 06/07/04A | ◆ | | ▼ | | | | | |
| 7 | 1M1001220 | 5 | EM2 TEM/PS/CTS for FMA from Elec to CAL | 01/22/04 | -101 | 06/15/04A | ◆ | | ▼ | | | | | |
| 7 | 1M7941190 | 9 | EGSE TEM/TEM PS/CTS #1 for Bldg 33-Elec to I&T | 01/29/04 | -104 | 06/25/04A | ◆ | | ▼ | | | | | |
| 7 | 1M1001260 | 5 | EM2 TEM/PS/CTS for FMB from Elec to CAL | 01/29/04 | -128 | 07/30/04A | ◆ | | | ▼ | | | | |
| 7 | 1M79020 | | Demo: Inter-task Communications | 07/30/04 | 0 | 07/30/04A | | | | ▼ | | | | |
| 7 | 1M7941130 | 9 | EGSE TEM/TEM PS/CTS w/ FE Elec #1-Elec to I&T | 12/08/03 | -158 | 07/30/04A | ◆ | | | ▼ | | | | |
| 7 | 1M7941170 | 9 | EGSE TEM/TEM PS/CTS/GASU FE Elec-Elec to I&T | 01/14/04 | -138 | 07/30/04A | ◆ | | | ▼ | | | | |

Run Date 11/23/04 10:59
 Data Date 11/01/04
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Level 3 Milestones
Sort by Subsystem

LT-T3: Level 3 sort by Subsystem (tb)
 FL-T3: L3 Milestones from Oct03 on
 Sheet 4



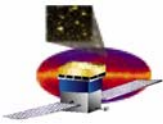
Level 3 Milestones by Subsystem

| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | | | |
|--------------------------|-------------|----|--------------------------------------------------|-----------------|----------|--------------|------|----|----|----|------|----|----|----|--|--|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| 4.1.7 Electronics | | | | | | | | | | | | | | | | |
| 7 | 1M74000060 | 4 | EGSE System 6: Elec to TKR | 01/29/04 | -138 | 08/13/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M74000070 | 4 | EGSE System 7: Elec to TKR | 02/12/04 | -128 | 08/13/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M74000080 | 4 | EGSE System 8: Elec to TKR | 02/12/04 | -128 | 08/13/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M7941150 | 9 | EGSE TEM/TEM PS/CTS w/ FE Elec #2-Elec to I&T | 12/22/03 | -158 | 08/13/04A | ◆ | | | | ▼ | | | | | |
| 7 | 1M7941160 | 9 | EGSE TEM/TEM PS/CTS w/ FE Elec #3-Elec to I&T | 01/07/04 | -153 | 08/13/04A | ◆ | | | | ▼ | | | | | |
| 7 | 1M7941420 | 9 | EGSE TEM/TEM PS/CTS #2 for Bldg 33-Elec to I&T | 02/05/04 | -133 | 08/13/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M1001600 | 5 | EM2 TEM/PS/CTS for FM1 from Elec to CAL | 02/05/04 | -141 | 08/25/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M1001650 | 5 | EM2 TEM/PS/CTS for FM2 from Elec to CAL | 02/12/04 | -136 | 08/25/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M1001660 | 5 | EM2 TEM/PS/CTS for FM3 from Elec to CAL | 02/27/04 | -126 | 08/25/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M1001680 | 5 | EM2 TEM/PS/CTS for FM4 from Elec to CAL | 02/27/04 | -126 | 08/25/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M1001720 | 5 | EM2 TEM/PS/CTS for FM5 from Elec to CAL | 02/27/04 | -126 | 08/25/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M1001760 | 5 | EM2 TEM/PS/CTS for FM6 from Elec to CAL | 03/05/04 | -121 | 08/25/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M7941180 | 9 | EGSE Development Hrdw/FSW 1st Delivr-Elec to I&T | 01/22/04 | -154 | 08/30/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M79030 | | Demo: Preliminary ISIS | 09/01/04 | -2 | 09/03/04A | | | | | ▼ | | | | | |
| 7 | 1M79080 | | Demo: LAT Communication Board Driver | 10/01/04 | 0 | 10/01/04A | | | | | ▼ | | | | | |
| 7 | 1M74000090 | 4 | EGSE System 9: Elec to TKR | 02/20/04 | -162 | 10/08/04A | | ◆ | | | ▼ | | | | | |

Run Date 11/23/04 10:59
 Data Date 11/01/04
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Level 3 Milestones
Sort by Subsystem

LT-T3: Level 3 sort by Subsystem (tb)
 FL-T3: L3 Milestones from Oct03 on
 Sheet 5



Level 3 Milestones by Subsystem

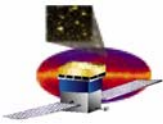
| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | | | |
|---------------------------|-------------|----|-------------------------------------------------|-----------------|----------|--------------|------|----|----|----|------|----|----|----|--|--|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| 4.1.7 Electronics: | | | | | | | | | | | | | | | | |
| 7 | 1M74000100 | 4 | EGSE System 10: Elec to TKR | 02/20/04 | -162 | 10/08/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M1001780 | 5 | EM2 TEM/PS/CTS for FM8 from Elec to CAL | 03/05/04 | -157 | 10/15/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M7941430 | 9 | EGSE TEM/TEM PS/CTS w/ GASU for B33-Elec to I&T | 02/05/04 | -181 | 10/21/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M1001770 | 5 | EM2 TEM/PS/CTS for FM7 from Elec to CAL | 03/05/04 | -164 | 10/26/04A | | ◆ | | | ▼ | | | | | |
| 7 | 1M79120 | | Demo: Primary Boot | 10/29/04 | -3 | 11/03/04 | | | | | ▼ | | | | | |
| 7 | 1M79130 | | Demo: Secondary Boot | 10/29/04 | -3 | 11/03/04 | | | | | ▼ | | | | | |
| 7 | 1M79140 | | Demo: LCB Service | 10/29/04 | -3 | 11/03/04 | | | | | ▼ | | | | | |
| 7 | 1M79150 | | Demo: Power/Initialize GASU | 10/29/04 | -3 | 11/03/04 | | | | | ▼ | | | | | |
| 7 | 1M79090 | | Demo: Command and Telemetry | 10/01/04 | -41 | 12/01/04 | | | | | ◆ | ▼ | | | | |
| 7 | 1M79100 | | Demo: 1553 Service | 10/01/04 | -41 | 12/01/04 | | | | | ◆ | ▼ | | | | |
| 7 | 1M79160 | | Demo: File and Memory Management | 12/03/04 | 0 | 12/03/04 | | | | | | ▼ | | | | |
| 7 | 1M79170 | | Demo: Spacecraft Interfaces | 12/03/04 | 0 | 12/03/04 | | | | | | ▼ | | | | |
| 7 | 1M79180 | | Demo: Inter-task Communications | 12/03/04 | 0 | 12/03/04 | | | | | | ▼ | | | | |
| 7 | 1M79110 | | Demo: ISIS FQT | 10/08/04 | -41 | 12/08/04 | | | | | ◆ | ▼ | | | | |
| 7 | 1M79190 | | Demo: Command and Telemetry Data Dictionary | 01/07/05 | 0 | 01/07/05 | | | | | | | ▼ | | | |
| 7 | 1M79200 | | Demo: Thermal Control | 01/07/05 | 0 | 01/07/05 | | | | | | | ▼ | | | |

Run Date 11/23/04 10:59
 Data Date 11/01/04
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Level 3 Milestones
Sort by Subsystem

LT-T3: Level 3 sort by Subsystem (tb)
 FL-T3: L3 Milestones from Oct03 on

Sheet 6



Level 3 Milestones by Subsystem

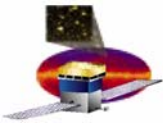
| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | | | |
|--------------------------|-------------|----|------------------------------------|-----------------|----------|--------------|------|----|----|----|------|----|----|----|--|--|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| 4.1.7 Electronics | | | | | | | | | | | | | | | | |
| 7 | 1M79210 | | Demo: Watchdog | 01/07/05 | 0 | 01/07/05 | | | | | | | | | | |
| 7 | 1M79220 | | Demo: Charge Injection Calibration | 01/07/05 | 0 | 01/07/05 | | | | | | | | | | |
| 7 | 1M79001010 | 9 | Flight TEM Assy A: Elec to I&T | 06/07/04 | -149 | 01/14/05 | | | | | | | | | | |
| 7 | 1M79001020 | 9 | Flight TEM Assy B: Elec to I&T | 06/14/04 | -144 | 01/14/05 | | | | | | | | | | |
| 7 | 1M79002010 | 9 | Flight TEM PS Assy A: Elec to I&T | 05/12/04 | -166 | 01/14/05 | | | | | | | | | | |
| 7 | 1M79002020 | 9 | Flight TEM PS Assy B: Elec to I&T | 05/19/04 | -161 | 01/14/05 | | | | | | | | | | |
| 7 | 1M79230 | | Demo: Housekeeping | 01/28/05 | 0 | 01/28/05 | | | | | | | | | | |
| 7 | 1M79240 | | Demo: Event Integrity and Delivery | 01/28/05 | 0 | 01/28/05 | | | | | | | | | | |
| 7 | 1M79250 | | Demo: Event Filtering | 01/28/05 | 0 | 01/28/05 | | | | | | | | | | |
| 7 | 1M79260 | | Demo: GRB Detection and Response | 01/28/05 | 0 | 01/28/05 | | | | | | | | | | |
| 7 | 1M79003010 | 9 | Flight Cables Assy A: Elec to I&T | 05/10/04 | -186 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003020 | 9 | Flight Cables Assy B: Elec to I&T | 05/10/04 | -186 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003030 | 9 | Flight Cables Assy 1: Elec to I&T | 06/10/04 | -164 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003040 | 9 | Flight Cables Assy 2: Elec to I&T | 06/10/04 | -164 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003050 | 9 | Flight Cables Assy 3: Elec to I&T | 06/10/04 | -164 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003060 | 9 | Flight Cables Assy 4: Elec to I&T | 06/10/04 | -164 | 02/10/05 | | | | | | | | | | |

Run Date 11/23/04 10:59
 Data Date 11/01/04
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Level 3 Milestones
Sort by Subsystem

LT-T3: Level 3 sort by Subsystem (tb)
 FL-T3: L3 Milestones from Oct03 on

Sheet 7



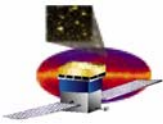
Level 3 Milestones by Subsystem

| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | | | |
|--------------------------|-------------|----|------------------------------------|-----------------|----------|--------------|------|----|----|----|------|----|----|----|--|--|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| 4.1.7 Electronics | | | | | | | | | | | | | | | | |
| 7 | 1M79003070 | 9 | Flight Cables Assy 5: Elec to I&T | 06/28/04 | -152 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003080 | 9 | Flight Cables Assy 6: Elec to I&T | 06/28/04 | -152 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003090 | 9 | Flight Cables Assy 7: Elec to I&T | 06/28/04 | -152 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003100 | 9 | Flight Cables Assy 8: Elec to I&T | 06/28/04 | -152 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003110 | 9 | Flight Cables Assy 9: Elec to I&T | 06/28/04 | -152 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003120 | 9 | Flight Cables Assy 10: Elec to I&T | 06/28/04 | -152 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003130 | 9 | Flight Cables Assy 11: Elec to I&T | 07/15/04 | -140 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003140 | 9 | Flight Cables Assy 12: Elec to I&T | 07/15/04 | -140 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003150 | 9 | Flight Cables Assy 13: Elec to I&T | 07/15/04 | -140 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003160 | 9 | Flight Cables Assy 14: Elec to I&T | 07/15/04 | -140 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003170 | 9 | Flight Cables Assy 15: Elec to I&T | 07/15/04 | -140 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79003180 | 9 | Flight Cables Assy 16: Elec to I&T | 07/15/04 | -140 | 02/10/05 | | | | | | | | | | |
| 7 | 1M7941110 | 9 | Flight Harness-Elec to I&T | 10/20/04 | -72 | 02/10/05 | | | | | | | | | | |
| 7 | 1M79270 | | Demo: Mode Control | 02/25/05 | 0 | 02/25/05 | | | | | | | | | | |
| 7 | 1M79280 | | Demo: Diagnostics | 02/25/05 | 0 | 02/25/05 | | | | | | | | | | |
| 7 | 1M79001030 | 9 | Flight TEM Assy 1: Elec to I&T | 08/03/04 | -142 | 03/04/05 | | | | | | | | | | |

Run Date 11/23/04 10:59
 Data Date 11/01/04
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Level 3 Milestones
Sort by Subsystem

LT-T3: Level 3 sort by Subsystem (tb)
 FL-T3: L3 Milestones from Oct03 on
 Sheet 8



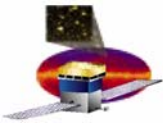
Level 3 Milestones by Subsystem

| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | | | |
|---------------------------|-------------|----|-----------------------------------|-----------------|----------|--------------|------|----|----|----|------|----|----|----|--|--|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| 4.1.7 Electronics: | | | | | | | | | | | | | | | | |
| 7 | 1M79002030 | 9 | Flight TEM PS Assy 1: Elec to I&T | 07/01/04 | -164 | 03/04/05 | | | | | | | | | | |
| 7 | 1M79001040 | 9 | Flight TEM Assy 2: Elec to I&T | 08/10/04 | -142 | 03/11/05 | | | | | | | | | | |
| 7 | 1M79002040 | 9 | Flight TEM PS Assy 2: Elec to I&T | 07/09/04 | -164 | 03/11/05 | | | | | | | | | | |
| 7 | 1M79001050 | 9 | Flight TEM Assy 3: Elec to I&T | 08/17/04 | -141 | 03/17/05 | | | | | | | | | | |
| 7 | 1M79002050 | 9 | Flight TEM PS Assy 3: Elec to I&T | 07/16/04 | -163 | 03/17/05 | | | | | | | | | | |
| 7 | 1M79001060 | 9 | Flight TEM Assy 4: Elec to I&T | 08/24/04 | -140 | 03/23/05 | | | | | | | | | | |
| 7 | 1M79002060 | 9 | Flight TEM PS Assy 4: Elec to I&T | 07/23/04 | -162 | 03/23/05 | | | | | | | | | | |
| 7 | 1M79001070 | 9 | Flight TEM Assy 5: Elec to I&T | 08/31/04 | -139 | 03/29/05 | | | | | | | | | | |
| 7 | 1M79002070 | 9 | Flight TEM PS Assy 5: Elec to I&T | 07/30/04 | -161 | 03/29/05 | | | | | | | | | | |
| 7 | 1M79001080 | 9 | Flight TEM Assy 6: Elec to I&T | 09/08/04 | -138 | 04/04/05 | | | | | | | | | | |
| 7 | 1M79002080 | 9 | Flight TEM PS Assy 6: Elec to I&T | 08/06/04 | -160 | 04/04/05 | | | | | | | | | | |
| 7 | 1M79001090 | 9 | Flight TEM Assy 7: Elec to I&T | 09/15/04 | -138 | 04/11/05 | | | | | | | | | | |
| 7 | 1M79002090 | 9 | Flight TEM PS Assy 7: Elec to I&T | 08/13/04 | -160 | 04/11/05 | | | | | | | | | | |
| 7 | 1M79001100 | 9 | Flight TEM Assy 8: Elec to I&T | 09/22/04 | -138 | 04/18/05 | | | | | | | | | | |
| 7 | 1M79002100 | 9 | Flight TEM PS Assy 8: Elec to I&T | 08/20/04 | -160 | 04/18/05 | | | | | | | | | | |
| 7 | 1M79001110 | 9 | Flight TEM Assy 9: Elec to I&T | 09/29/04 | -138 | 04/25/05 | | | | | | | | | | |

Run Date 11/23/04 10:59
 Data Date 11/01/04
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Level 3 Milestones
Sort by Subsystem

LT-T3: Level 3 sort by Subsystem (tb)
 FL-T3: L3 Milestones from Oct03 on
 Sheet 9



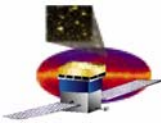
Level 3 Milestones by Subsystem

| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | |
|---------------------------|-------------|----|------------------------------------------|-----------------|----------|--------------|------|----|----|----|------|----|----|----|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| 4.1.7 Electronics: | | | | | | | | | | | | | | |
| 7 | 1M79002110 | 9 | Flight TEM PS Assy 9: Elec to I&T | 08/25/04 | -162 | 04/25/05 | | | | | ♦ | | | ▽ |
| 7 | 1M7942000 | 9 | Flight PDU Box-Elec to I&T | 10/13/04 | -128 | 04/25/05 | | | | | ♦ | | | ▽ |
| 7 | 1M7941090 | 9 | Flight Event Processor Units-Elec to I&T | 11/01/04 | -117 | 04/27/05 | | | | | ♦ | | | ▽ |
| 7 | 1M7941440 | 9 | Final EGSE incl S/C Sim, FSW-Elec to I&T | 12/13/04 | -89 | 04/27/05 | | | | | | ♦ | | ▽ |
| 7 | 1M79001120 | 9 | Flight TEM Assy 10: Elec to I&T | 10/06/04 | -138 | 05/02/05 | | | | | ♦ | | | ▽ |
| 7 | 1M79002120 | 9 | Flight TEM PS Assy 10: Elec to I&T | 08/30/04 | -164 | 05/02/05 | | | | | ♦ | | | ▽ |
| 7 | 1M7941070 | 9 | Flight GASU Box-Elec to I&T | 11/01/04* | -121 | 05/03/05 | | | | | ♦ | | | ▽ |
| 7 | 1M79001130 | 9 | Flight TEM Assy 11: Elec to I&T | 10/13/04 | -138 | 05/09/05 | | | | | ♦ | | | ▽ |
| 7 | 1M79002130 | 9 | Flight TEM PS Assy 11: Elec to I&T | 09/02/04 | -166 | 05/09/05 | | | | | ♦ | | | ▽ |
| 7 | 1M7941080 | 9 | Flight SIU-Elec to I&T | 10/13/04 | -141 | 05/12/05 | | | | | ♦ | | | ▽ |
| 7 | 1M79001140 | 9 | Flight TEM Assy 12: Elec to I&T | 10/20/04 | -138 | 05/16/05 | | | | | ♦ | | | ▽ |
| 7 | 1M79002140 | 9 | Flight TEM PS Assy 12: Elec to I&T | 09/08/04 | -168 | 05/16/05 | | | | | ♦ | | | ▽ |
| 7 | 1M79001150 | 9 | Flight TEM Assy 13: Elec to I&T | 10/27/04 | -138 | 05/23/05 | | | | | ♦ | | | ▽ |
| 7 | 1M79002150 | 9 | Flight TEM PS Assy 13: Elec to I&T | 09/13/04 | -170 | 05/23/05 | | | | | ♦ | | | ▽ |
| 7 | 1M79001160 | 9 | Flight TEM Assy 14: Elec to I&T | 11/03/04 | -138 | 05/31/05 | | | | | ♦ | | | ▽ |
| 7 | 1M79002160 | 9 | Flight TEM PS Assy 14: Elec to I&T | 09/16/04 | -172 | 05/31/05 | | | | | ♦ | | | ▽ |

Run Date 11/23/04 10:59
 Data Date 11/01/04
 © Primavera Systems, Inc.

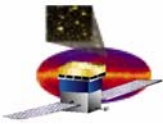
GLAST LAT PROJECT
Level 3 Milestones
Sort by Subsystem

LT-T3: Level 3 sort by Subsystem (tb)
 FL-T3: L3 Milestones from Oct03 on
 Sheet 10



Level 3 Milestones by Subsystem

| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | | | |
|---------------------------|-------------|----|--------------------------------------------|-----------------|----------|--------------|---------------------------|----|----|----|---------------------------------------|----|----|----|----------|---|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| 4.1.7 Electronics | | | | | | | | | | | | | | | | |
| 7 | 1M79001170 | 9 | Flight TEM Assy 15: Elec to I&T | 11/10/04 | -138 | 06/07/05 | | | | | ◆ | | | | | ▽ |
| 7 | 1M79002170 | 9 | Flight TEM PS Assy 15: Elec to I&T | 09/21/04 | -174 | 06/07/05 | | | | | | ◆ | | | | ▽ |
| 7 | 1M79001180 | 9 | Flight TEM Assy 16: Elec to I&T | 11/17/04 | -138 | 06/14/05 | | | | | | | ◆ | | | ▽ |
| 7 | 1M79002180 | 9 | Flight TEM PS Assy 16: Elec to I&T | 09/24/04 | -176 | 06/14/05 | | | | | | | | ◆ | | ▽ |
| 4.1.8 Mechanica | | | | | | | | | | | | | | | | |
| 8 | 1M1001380 | 9 | Delivery of EM (1X4) Grid to I&T/MSGE | 12/19/03 | -64 | 03/31/04A | ◆ | ▼ | | | | | | | | |
| 8 | 1M1000240 | 9 | Flight Grid RFI-Mech to I&T | 07/22/04 | -105 | 12/21/04 | | | | | | | | ◆ | | ▽ |
| 8 | 1M941710 | 9 | X-LAT Thermal Plate RFI from Mech to I&T | 08/12/04 | -119 | 02/09/05 | | | | | | | | | ◆ | ▽ |
| 8 | 1M941720 | 9 | Radiators ready for I&T (from Mech to I&T) | 03/17/05 | -25 | 04/21/05 | | | | | | | | | | ▽ |
| 4.1.9 I&T | | | | | | | | | | | | | | | | |
| 9 | 1M1001520 | 5 | EM CAL Returned to NRL (arrives on dock) | 10/16/03 | -1 | 10/17/03A | ▼ | | | | | | | | | |
| 9 | 1M1001790 | 5 | EM2 TEM/PS (return FMA) from I&T to CAL | 07/23/04 | -100 | 12/15/04 | | | | | | | | | ◆ | ▽ |
| 9 | 1M1001800 | 5 | EM2 TEM/PS (return FMB) from I&T to CAL | 07/23/04 | -100 | 12/15/04 | | | | | | | | | ◆ | ▽ |
| 9 | 1M1001810 | 5 | EM2 TEM/PS (return FM1) from I&T to CAL | 08/13/04 | -88 | 12/20/04 | | | | | | | | | ◆ | ▽ |
| 9 | 1M1001820 | 5 | EM2 TEM/PS (return FM2) from I&T to CAL | 08/16/04 | -101 | 01/18/05 | | | | | | | | | ◆ | ▽ |
| 9 | 1M1001830 | 5 | EM2 TEM/PS (return FM3) from I&T to CAL | 08/31/04 | -97 | 01/27/05 | | | | | | | | | ◆ | ▽ |
| Run Date 11/23/04 10:59 | | | | | | | GLAST LAT PROJECT | | | | LT-T3: Level 3 sort by Subsystem (tb) | | | | Sheet 11 | |
| Data Date 11/01/04 | | | | | | | Level 3 Milestones | | | | FL-T3: L3 Milestones from Oct03 on | | | | | |
| © Primavera Systems, Inc. | | | | | | | Sort by Subsystem | | | | | | | | | |



Level 3 Milestones by Subsystem

| AV | Activity ID | ND | Activity Description | Baseline Finish | Bsln Var | Early Finish | FY04 | | | | FY05 | | | | |
|----------------------|-------------|----|-----------------------------------------|-----------------|----------|--------------|------|----|----|----|------|----|----|----|---|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| 4.1.9 I&T | | | | | | | | | | | | | | | |
| 9 | 1M1001840 | 5 | EM2 TEM/PS (return FM4) from I&T to CAL | 08/31/04 | -100 | 02/01/05 | | | | | ◆ | | ▽ | | |
| 9 | 1M1001850 | 5 | EM2 TEM/PS (return FM5) from I&T to CAL | 09/29/04 | -80 | 02/01/05 | | | | | ◆ | | ▽ | | |
| 9 | 1M1001860 | 5 | EM2 TEM/PS (return FM6) from I&T to CAL | 09/29/04 | -117 | 03/25/05 | | | | | ◆ | | ▽ | | |
| 9 | 1M1000130 | 2 | LAT Ready to Ship to NRL for Env Test | 06/08/05 | -97 | 10/25/05 | | | | | | | | | ◆ |
| 4.1.B ISOC | | | | | | | | | | | | | | | |
| B | 1M005480 | B | ISOC CDR | 03/12/04 | -101 | 08/04/04A | | ◆ | | ▼ | | | | | |
| B | 1M1000112 | B | Mission Operations Review (L-21mo.) | 11/10/04 | -120 | 05/11/05 | | | | | ◆ | | | ▽ | |
| B | 1M7941270 | B | Ground System Interface Test start | 11/10/04 | -120 | 05/11/05 | | | | | ◆ | | | ▽ | |

Run Date 11/23/04 10:59
 Data Date 11/01/04
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Level 3 Milestones
Sort by Subsystem

LT-T3: Level 3 sort by Subsystem (tb)
 FL-T3: L3 Milestones from Oct03 on
 Sheet 12