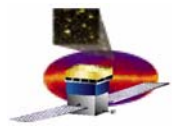


LAT Project Status Overview

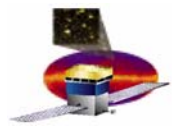
January 2005

Lowell Klaisner
LAT Project Manager



Summary

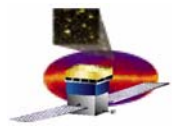
- **First Flight Tower assembled and taking data!!**
- **Concerns**
 - **Tracker Schedule**
 - **Cables**
 - **MCMs**
 - **I&T Startup**
 - **Grid perimeter ring anomaly**
 - **Funding**
 - **Getting rebaseline in place**
 - **DOE ESAAB**
 - **NASA Proposal**
 - **Restructuring management and accounting tools**
 - **Contracts**
 - **Lockheed Martin contract extension (additional \$700K)**
 - **Second source for Tracker cables (additional \$200K)**
 - **Staying on schedule**
 - **Reports**



LAT Funding Status

Institution	DOE Funding Status	NASA Funding Status
SLAC	OK thru April, add'l \$3M expected March or May	Runs out this week*
GSFC		\$842K to be funded
NRL		OK thru September
HEPL		OK thru March*
SSU		OK thru March*
UCSC	No issue	OK thru March* (pending subaward funding action)
UW		OK thru March*

*Pending contract mod: \$12,518.6K for last rebaseline; pending proposal for \$2,967K.



Funding Profiles

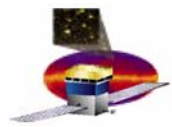
NASA

(\$K)

		DEVELOPMENT									
		PY00	PY01	PY02	PY03	PY04	<i>Cum thru PY04</i>	PY05	PY06	PY07	Total DEV.
Stanford Univ.		1,276	1,020	3,829	14,548	22,261	42,934	17,050	9,621	5,584	75,189
Ames				8			8				8
NRL		1,726	1,405	5,365	7,029	8,130	23,655	4,263	3,334	948	32,200
GSFC LAT \$		861	1,644	3,715	4,915	5,724	16,859	2,272	644	438	20,213
Contingency							0	3,336	4,080	2,091	9,507
		3,863	4,069	12,917	26,492	36,115	83,456	26,921	17,679	9,061	137,117
Ames direct-funded by HQ					20		20				20
TOTAL LAT		3,863	4,069	12,917	26,512	36,115	83,476	26,921	17,679	9,061	137,137

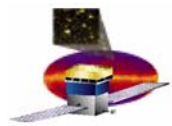
DOE

Fiscal Years		FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	Total
Old Profile	DOE Project	3,000	5,689	8,080	8,910	7,900	8,421					42,000
Current	DOE Project Funding	3,000	5,689	8,080	8,910	7,900	11,421					45,000
	Delta: DOE Project Funding						3,000					3,000
Old Profile	DOE Ops	1,317	1,934	2,892	2,939	4,300	5,579	8,737	7,600	7,074	7,321	42,372
Current	DOE Funding Ops	1,317	1,934	2,892	2,939	4,300	3,602	5,000	5,000	4,464	4,620	35,551
Current	DOE Research Scientists						2,609	2,424	2,521	2,610	2,701	12,865
	Total Current Funding						6,211	7,424	7,521	7,074	7,321	48,416
	Delta: DOE Ops Phase						632	-1,313	-79	0	0	-760



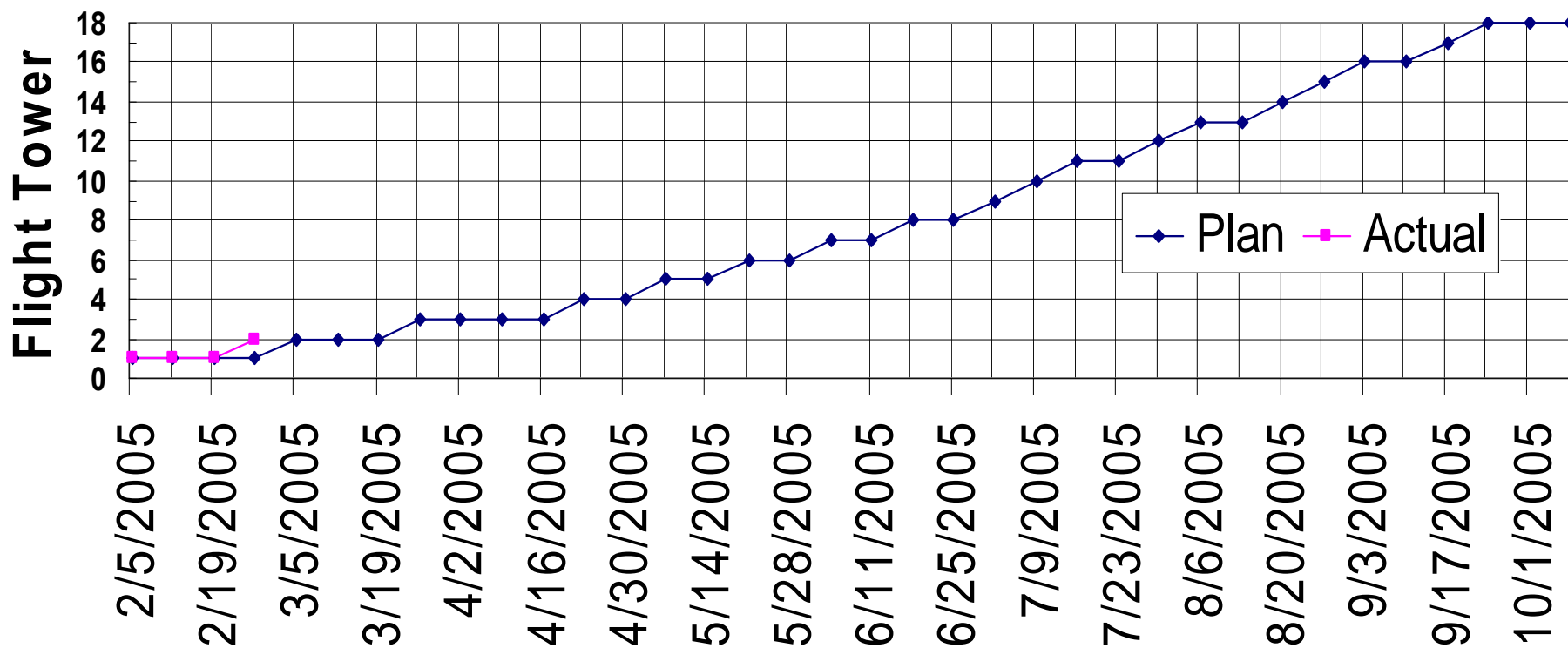
Proposed CCB Schedule

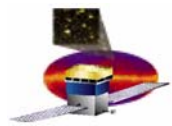
- **One CCB action to implement the rebaseline**
- **Project controls group to draft the document for LAT management review – March 4**
- **Distribute CCB document – March 9**
- **Board meeting (telecon) – March 11**
- **Implement in PMCS – March 25**
- **First reports on February data and the new rebaseline – March 31 Monthly Review**



Sample Weekly Chart

4.1.4 Tracker Tower RFI to I&T





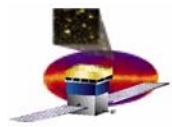
CPR Level 3

Total project schedule variance

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

Notable current period variances

Cost Performance Report - Work Breakdown Structure													
Contractor: Location:						Contract Type/No:			Project Name/No: LAT		Report Period: 12/31/2004 1/31/2005		
CAPW[3]		Current Period				Cumulative to Date					At Completion		
Item	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance		Budgeted	Latest Revised Estimate	Variance
	Work Scheduled	Work Performed	Work Performed	Schedule	Cost	Work Scheduled	Work Performed	Work Performed	Schedule	Cost			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
4.1.1 INSTRUMENT MANAGEMENT	329	329	266	0	63	15,215	15,215	15,047	0	167	16,911	16,911	0
4.1.2 SYSTEM ENGINEERING	152	152	119	0	33	6,245	6,245	6,102	0	142	7,047	7,047	0
4.1.4 TRACKER	129	139	572	10	-433	16,523	15,477	17,182	-1,046	-1,706	17,126	17,126	0
4.1.5 CALORIMETER	215	464	375	249	89	21,178	20,141	19,801	-1,036	340	22,022	22,022	0
4.1.6 ANTICOINCIDENCE DETECTOR	103	150	300	47	-150	15,455	15,040	15,884	-415	-844	15,595	15,595	0
4.1.7 ELECTRONICS	220	526	841	306	-315	21,626	19,391	23,206	-2,235	-3,815	22,238	22,238	0
4.1.8 MECHANICAL SYSTEMS	163	161	318	-2	-158	13,213	12,484	13,827	-729	-1,343	14,179	14,179	0
4.1.9 INTEGRATION & TEST	254	197	204	-56	-7	6,398	5,858	6,162	-540	-304	8,013	8,013	0
4.1.A PERFORMANCE AND SAFETY ASSURANCE	135	135	159	0	-25	2,850	2,850	2,856	0	-7	2,935	2,935	0
4.1.B LAT INSTRUMENT SCIENCE OPERATIONS CENTER	3	3	1	0	2	309	309	301	0	8	328	328	0
4.1.C EDUCATION AND PUBLIC OUTREACH	43	46	44	3	1	2,158	2,160	1,804	3	356	2,448	2,448	0
4.1.D SCIENCE ANALYSIS SOFTWARE	74	74	50	0	24	2,598	2,598	2,365	0	233	3,019	3,019	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	1,821	2,376	3,250	555	-874	125,090	119,092	125,863	-5,999	-6,772	133,187	133,187	0
Contingency											2,798	2,798	0
Total	1,821	2,376	3,250	555	-874	125,090	119,092	125,863	-5,999	-6,772	135,985	135,985	0



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	133,187	125,090	119,092	125,863	-5,999	-6,772	93.92	89.42	94.50	↔	↓	0.952	0.946	140,760	141,510
2	4.1.1	Instr Mgmt	16,911	15,215	15,215	15,047	0	167	89.97	89.97	88.98	↔	↑	1.000	1.011	16,725	16,725
3	4.1.2	System Engr	7,047	6,245	6,245	6,102	0	142	88.61	88.61	86.59	↔	↑	1.000	1.023	6,887	6,887
4	4.1.4	Tracker	17,126	16,523	15,477	17,182	-1,046	-1,706	96.48	90.37	100.33	↔	↓	0.937	0.901	19,013	19,137
5	4.1.5	Calorimeter	22,022	21,178	20,141	19,801	-1,036	340	96.17	91.46	89.92	↑	↑	0.951	1.017	21,650	21,745
6	4.1.6	ACD	15,595	15,455	15,040	15,884	-415	-844	99.10	96.44	101.85	↑	↓	0.973	0.947	16,470	16,487
7	4.1.7	Electronics	22,238	21,626	19,391	23,206	-2,235	-3,815	97.25	87.20	104.35	↑	↔	0.897	0.836	26,613	27,006
8	4.1.8	Mechanical	14,179	13,213	12,484	13,827	-729	-1,343	93.19	88.05	97.52	↔	↓	0.945	0.903	15,704	15,814
9	4.1.9	I&T	8,013	6,398	5,858	6,162	-540	-304	79.84	73.11	76.90	↔	↔	0.916	0.951	8,429	8,638
10	4.1.A	PSA	2,935	2,850	2,850	2,856	0	-7	97.09	97.09	97.32	↔	↓	1.000	0.998	2,942	2,942
11	4.1.B	ISOC	328	309	309	301	0	8	94.12	94.12	91.71	↔	↑	1.000	1.026	320	320
12	4.1.C	EPO	2,448	2,158	2,160	1,804	3	356	88.13	88.24	73.69	↔	↔	1.001	1.197	2,045	2,044
13	4.1.D	SAS	3,019	2,598	2,598	2,365	0	233	86.05	86.05	78.34	↔	↔	1.000	1.098	2,749	2,749
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

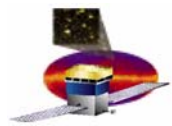
% BCWP: Percent Complete = BCWP/BAC

% 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

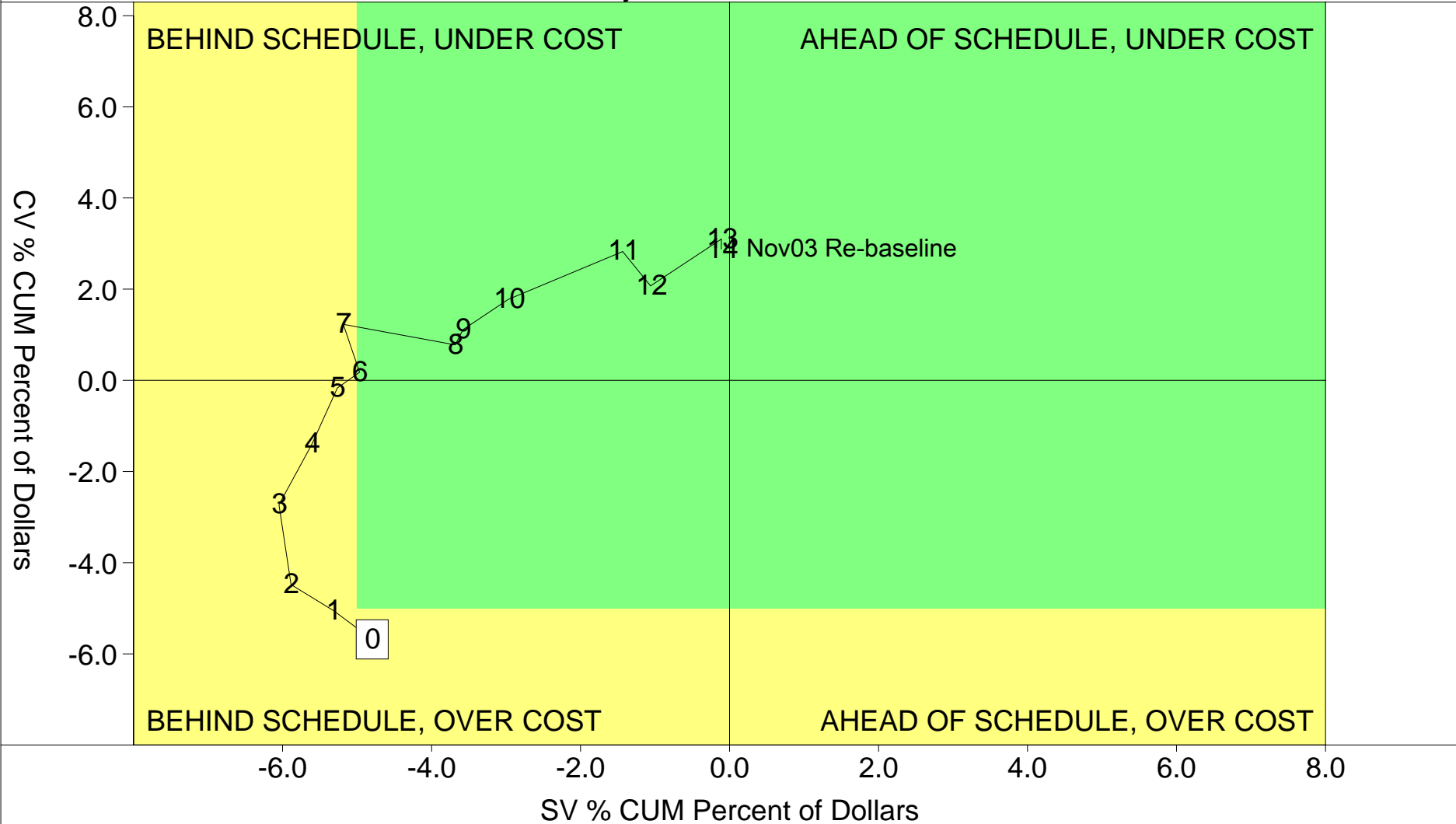


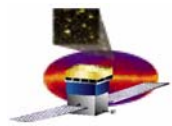
Variance Analysis

Element: 4.1

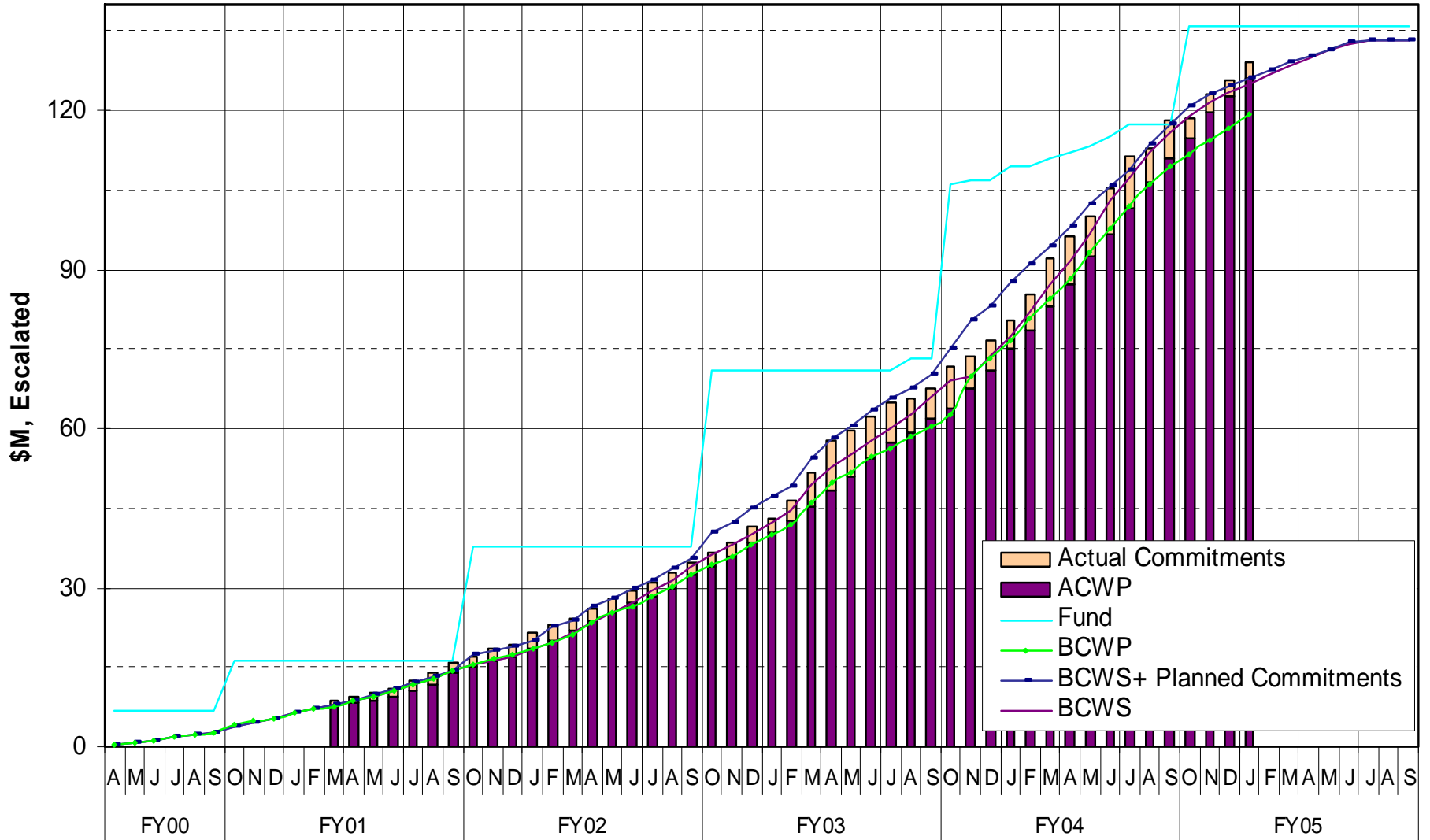
OTHER PROD
Bull's-eye Chart - As of: JAN 05

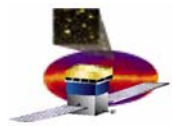
Name: LAT



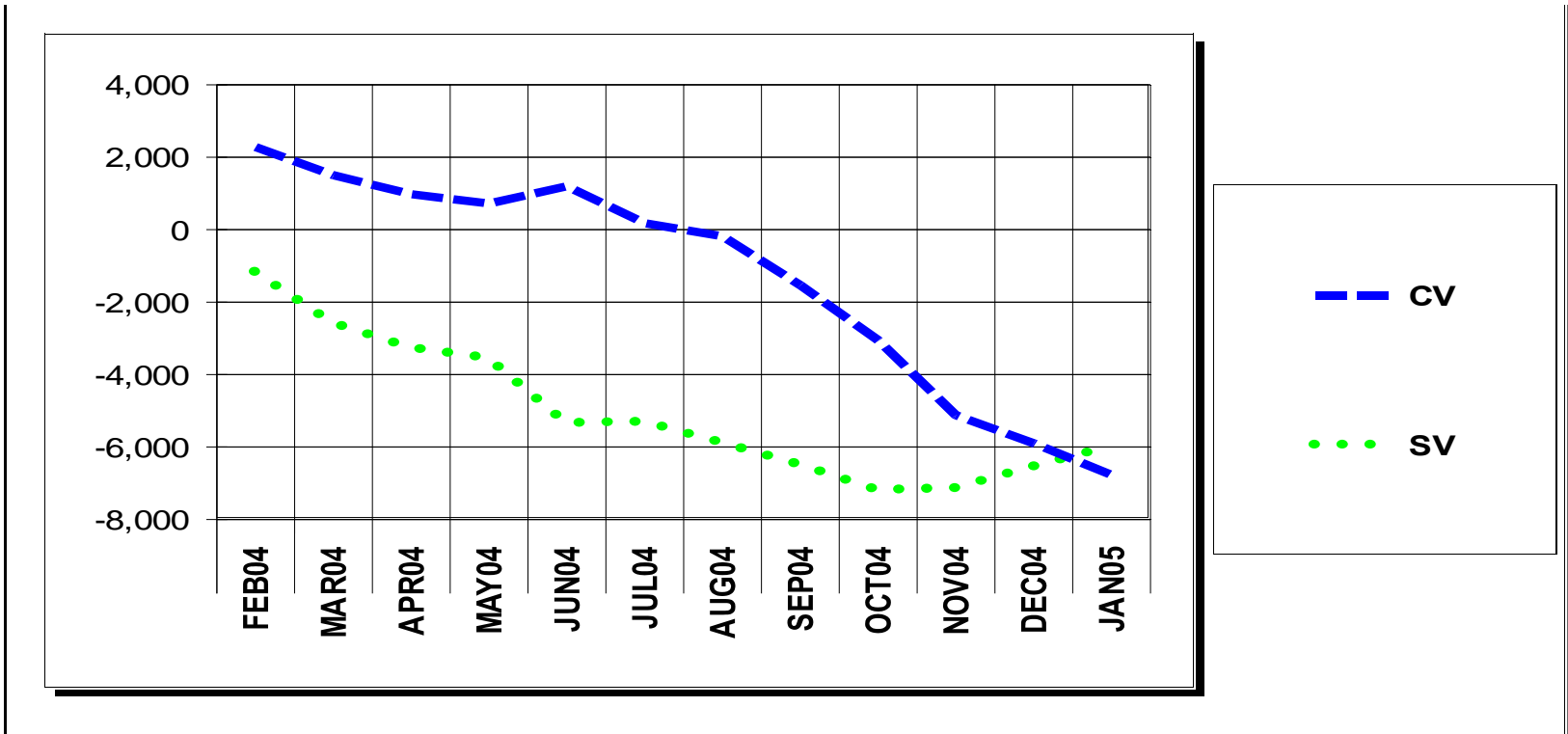


Budget, Cost, Funding, Performance

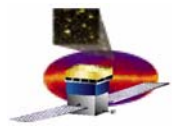




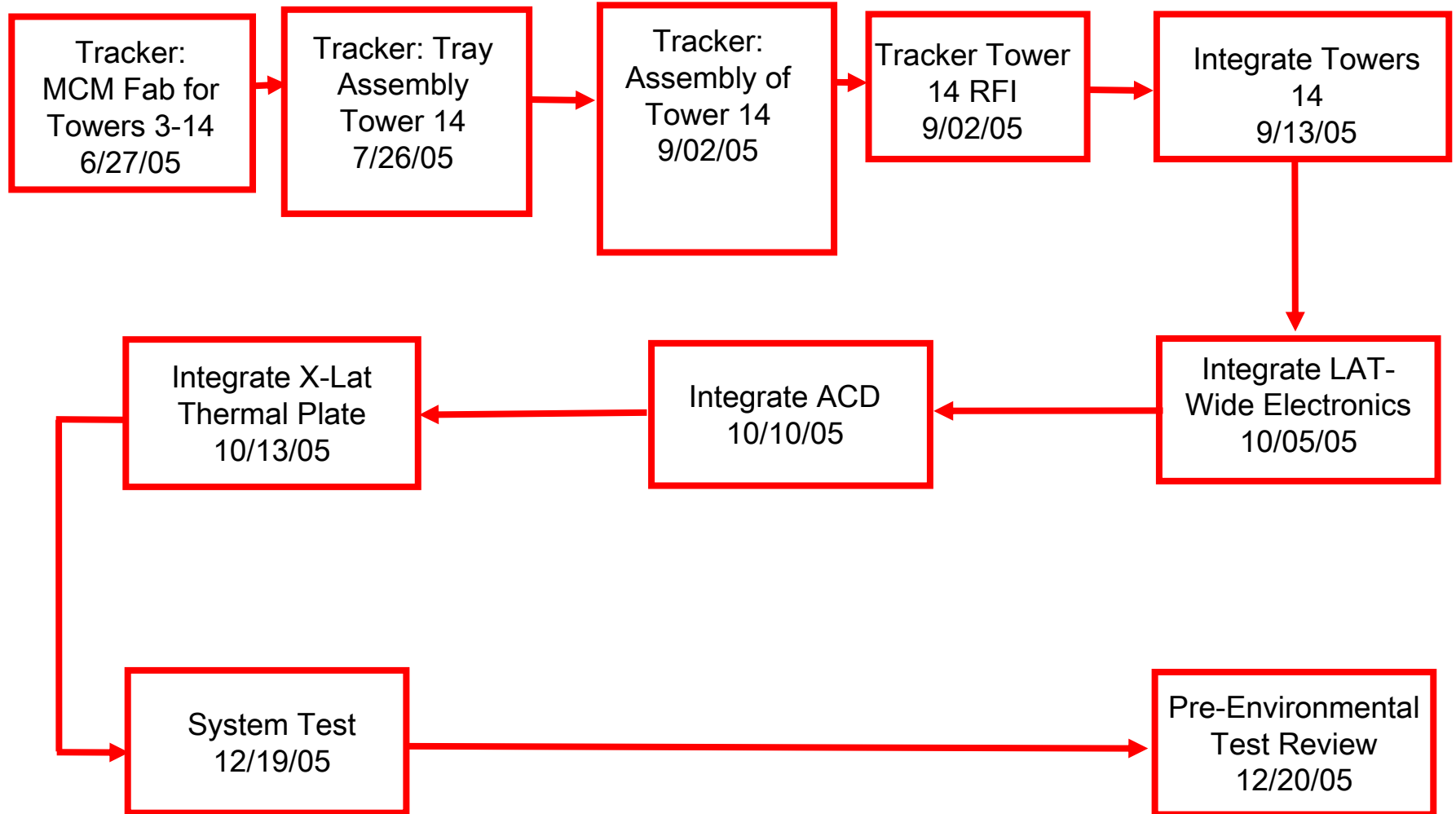
CV and SV Chart

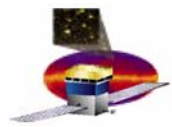


	FEB04	MAR04	APR04	MAY04	JUN04	JUL04	AUG04	SEP04	OCT04	NOV04	DEC04	JAN05
BCWS	81,916	87,277	91,518	96,621	103,131	107,062	111,988	115,928	119,051	121,471	123,269	125,090
BCWP	80,742	84,687	88,243	93,063	97,784	101,746	106,092	109,429	111,850	114,323	116,715	119,091
ACWP	78,460	83,184	87,264	92,340	96,584	101,567	106,275	110,961	114,903	119,446	122,613	125,863
CV	2,281	1,503	979	723	1,199	179	-183	-1,532	-3,053	-5,124	-5,898	-6,772
SV	-1,175	-2,590	-3,274	-3,558	-5,348	-5,316	-5,895	-6,499	-7,201	-7,148	-6,554	-5,999



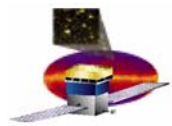
Current Critical Path to Pre-Environmental Test Review





Current Critical Path to Pre-Environmental Test Review

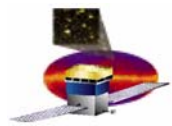
- **1st critical path: Tracker MCM Fabrication Towers 3-14**
 - 186 days float to “Pre-Environmental Test Review”
 - 90 days float to LAT pre-ship review
- **2nd critical path: Tracker Flight Tray Assembly Towers 4-14**
 - 6 days behind 1st critical path
- **3rd critical path: Electronics LCB, CPU Backplane, CPS and SIU Assemblies for Proto-flight Box**
 - 9 days behind 2nd critical path
- **1st critical path to I&T Module A: I&T Stands/Tables Installation**
- **2nd critical path to I&T Module A: Grid Box Assembly #1 Operations**
 - 6 days behind 1st critical path



Module Schedule

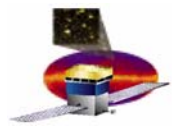
M/E January 2005	Forecast Dates and Float (working days) to "Preship Review"									
	Mech/ACD		TKR		CAL		TEM/TEM PS		I&T	
Grid	11/08/04A	-								
Module A			4-Feb-05	(48)	12/08/04A	-	17-Feb-05	(57)	6-Apr-05	(69)
Module B			2-Mar-05	(50)	01/14/05A	-	3-Mar-05	(46)	4-May-05	(69)
Module 1			22-Mar-05	(39)	01/14/05A	-	22-Apr-05	(62)	11-May-05	(69)
Module 2			20-Apr-05	(55)	01/14/05A	-	29-Apr-05	(62)	18-May-05	(69)
Module 3			29-Apr-05	(57)	01/14/05A	-	6-May-05	(62)	25-May-05	(69)
Module 4			20-May-05	(67)	24-Feb-05	(6)	13-May-05	(62)	2-Jun-05	(69)
Module 5			1-Jun-05	(69)	24-Feb-05	(1)	20-May-05	(62)	9-Jun-05	(69)
Module 6			16-Jun-05	(75)	23-Mar-05	(15)	27-May-05	(62)	24-Jun-05	(75)
Module 7			27-Jun-05	(77)	23-Mar-05	(10)	6-Jun-05	(62)	6-Jul-05	(77)
Module 8			6-Jul-05	(78)	31-Mar-05	(11)	13-Jun-05	(62)	14-Jul-05	(78)
Module 9			15-Jul-05	(80)	1-Apr-05	(7)	20-Jun-05	(62)	25-Jul-05	(80)
Module 10			26-Jul-05	(82)	14-Apr-05	(11)	27-Jun-05	(62)	3-Aug-05	(82)
Module 11			4-Aug-05	(84)	14-Apr-05	(6)	5-Jul-05	(62)	12-Aug-05	(84)
Module 12			15-Aug-05	(86)	22-Apr-05	(7)	12-Jul-05	(62)	23-Aug-05	(86)
Module 13			24-Aug-05	(88)	2-May-05	(8)	19-Jul-05	(62)	1-Sep-05	(88)
Module 14			2-Sep-05	(90)	2-May-05	(3)	26-Jul-05	(62)	13-Sep-05	(90)
ACD	9-Jun-05	(9)								
X-LAT	20-Apr-05	29								
SIU							19-Aug-05	(75)		
PDU							1-Jul-05	(41)		
Harness							1-Jun-05	(19)		
GASU							13-Jul-05	(48)		
EPU							19-Aug-05	(75)		
FSW							1-Apr-05	24		
Inst Global Items									13-Oct-05	(90)
System Test									20-Dec-05	(90)
Ship LAT to NRL									26-Dec-05	(90)
EMI/EMC Test									31-Jan-06	(90)
Sine Vibe									13-Feb-06	(90)
Acoustic Test									25-Feb-06	(90)
TVAC									14-Apr-06	(90)
Weight & CG									16-Apr-06	(90)
Preship Review									17-Apr-06	(90)

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



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	11/08/04A						◆	▼					
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*	-119	02/22/05						◆	▼					
1M1000700	Pre Environmental Testing Review	07/14/05*	-110	12/20/05								◆	▼		▼	
1M1000120	PSR-(Instrument Pre-Ship Review)	12/01/05*	-89	04/17/06										◆	▼	
Run Date: 02/25/05 09:56					GLAST LAT PROJECT					LT-T1: Level 1 && 2 Milestones					Sheet 1	
Data Date: 02/01/05					Level 1&&2 Milestones					FL-T1: Level 1 && 2 Milestones						
© Primavera Systems, Inc.																



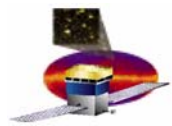
Level 3 Milestones Completed in January 2005

AV	Activity ID	ND	Activity Description	Baseline Finish	Bsin Var	Early Finish	FY04			FY05				
							JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
Instrument Project Office (Level 3)														
4.1.5 Calorimeter														
5	1M1000230	9	Calorimeter Modules 1 RFI	07/30/04	-111	01/14/05A		◆					▼	
5	1M1000400	9	Flight Calorimeter Tower 3 RFI	08/17/04	-99	01/14/05A			◆				▼	
5	1M1500	9	Calorimeter Modules B RFI	07/09/04	-126	01/14/05A	◆						▼	
5	1M1510	9	Calorimeter Modules 2 RFI	08/02/04	-110	01/14/05A		◆					▼	
4.1.7 Electronics														
7	1M79110		Demo: ISIS FQT	10/08/04	-71	01/28/05A					◆		▼	
7	1M79160		Demo: File and Memory Management	12/03/04	-34	01/31/05A						◆	▼	

Run Date 02/25/05 10:04
 Data Date 02/01/05
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Completed Level 3 Milestones
in Reporting Month
Sort by Subsystem

LT-TC: Completed Level 3 by Subsystem
 FL-TC: Level 3 Milestones compl. last month
 Sheet 1



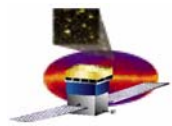
Remaining Level 3 Milestones

AV	Activity ID	ND	Activity Description	Baseline Finish	Bsin Var	Early Finish	FY04		FY05				FY06	
							Q3	Q4	Q1	Q2	Q3	Q4	Q1	
Instrument Project Office (Level 3)														
4.1.1 Instrument Management														
1	1M1001920		Pre-Environmental Test Review	06/07/05	-136	12/20/05								▽
4.1.4 Tracker														
4	1M1000200	9	Tracker Modules A RFI	07/28/04	-127	02/04/05		◆			▽			
4	1M1000201	9	Tracker Modules B RFI	08/18/04	-129	03/02/05			◆		▽			
4	1M1000220	9	Tracker Modules 1 RFI	08/18/04	-143	03/22/05			◆		▽			
4	1M1000221	9	Tracker Modules 2 RFI	09/08/04	-150	04/20/05				◆		▽		
4	1M1000250	9	Flight Tracker Tower 3 RFI	09/08/04	-157	04/29/05				◆		▽		
4	1M1000251	9	Flight Tracker Tower 4 RFI	10/14/04	-146	05/20/05				◆			▽	
4	1M1000260	9	Flight Tracker Tower 5 RFI	10/14/04	-153	06/01/05				◆			▽	
4	1M1000261	9	Flight Tracker Tower 6 RFI	11/05/04	-148	06/16/05				◆				▽
4	1M1000270	9	Flight Tracker Tower 7 RFI	11/05/04	-155	06/27/05				◆				▽
4	1M1000271	9	Flight Tracker Tower 8 RFI	11/24/04	-148	07/06/05				◆				▽
4	1M1000280	9	Flight Tracker Tower 9 RFI	11/24/04	-155	07/15/05				◆				▽
4	1M1000281	9	Flight Tracker Tower 10 RFI	12/17/04	-147	07/26/05				◆				▽
4	1M1000290	9	Flight Tracker Tower 11 RFI	12/17/04	-154	08/04/05				◆				▽

Run Date 02/25/05 10:10
 Data Date 02/01/05
 © Primavera Systems, Inc.

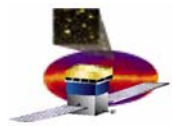
GLAST LAT PROJECT
Remaining Level 3 Milestones
Sort by Subsystem

LT-T3: Remaining Level 3 by Subsystem
 FL-T3: Remaining L3 Milestones
 Sheet 1



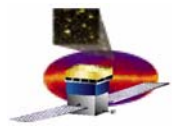
Remaining Level 3 Milestones

AV	Activity ID	ND	Activity Description	Baseline Finish	Bsn Var	Early Finish	FY04		FY05				FY06		
							Q3	Q4	Q1	Q2	Q3	Q4	Q1		
4.1.4 Tracker															
4	1M1000291	9	Flight Tracker Tower 12 RFI	01/11/05	-150	08/15/05				◆			▽		
4	1M1000300	9	Flight Tracker Tower 13 RFI	01/11/05	-157	08/24/05				◆			▽		
4	1M1000301	9	Flight Tracker Tower 14 RFI	01/25/05	-155	09/02/05				◆			▽		
4	1M1000310	9	Flight Tracker Tower 15 RFI	01/25/05	-157	09/07/05				◆			▽		
4	1M1000311	9	Flight Tracker Tower 16 RFI	02/08/05	-151	09/13/05				◆			▽		
4.1.5 Calorimeter															
5	1M1000390	9	Flight Calorimeter Tower 5 RFI	09/15/04	-106	02/24/05		◆			▽				
5	1M1520	9	Flight Calorimeter Tower 4 RFI	08/17/04	-126	02/24/05		◆			▽				
5	1M1000380	9	Flight Calorimeter Tower 7 RFI	10/11/04	-107	03/23/05			◆			▽			
5	1M1530	9	Flight Calorimeter Tower 6 RFI	09/15/04	-125	03/23/05			◆			▽			
5	1M1540	9	Flight Calorimeter Tower 8 RFI	10/11/04	-113	03/31/05			◆			▽			
5	1M1000370	9	Flight Calorimeter Tower 9 RFI	11/02/04	-98	04/01/05				◆			▽		
5	1M1000360	9	Flight Calorimeter Tower 11 RFI	11/16/04	-97	04/14/05				◆			▽		
5	1M1550	9	Flight Calorimeter Tower 10 RFI	11/02/04	-107	04/14/05				◆			▽		
5	1M1560	9	Flight Calorimeter Tower 12 RFI	11/15/04	-104	04/22/05				◆			▽		
5	1M1000340	9	Flight Calorimeter Tower 15 RFI (Spare)	01/06/05	-80	05/02/05				◆			▽		
Run Date 02/25/05 10:10							GLAST LAT PROJECT							LT-T3: Remaining Level 3 by Subsystem	
Data Date 02/01/05							Remaining Level 3 Milestones							FL-T3: Remaining L3 Milestones	
© Primavera Systems, Inc.							Sort by Subsystem							Sheet 2	



Remaining Level 3 Milestones

AV	Activity ID	ND	Activity Description	Baseline Finish	Bsln Var	Early Finish	FY04		FY05				FY06			
							Q3	Q4	Q1	Q2	Q3	Q4	Q1			
4.1.5 Calorimeter																
5	1M1000350	9	Flight Calorimeter Tower 13 RFI	12/02/04	-99	05/02/05				◆		▽				
5	1M1570	9	Flight Calorimeter Tower 14 RFI	12/02/04	-99	05/02/05				◆		▽				
5	1M1580	9	Flight Calorimeter Tower 16 RFI (Spare)	01/06/05	-91	05/17/05				◆		▽				
4.1.6 ACD																
6	1M1001000	9	ACD Test Scripts (from ACD to I&T)	07/01/04	-142	02/01/05*	◆				▽					
6	1M1000410	9	ACD Flight Unit at SLAC, Tested/Inspected & RFI	11/03/04	-145	06/09/05				◆		▽				
4.1.7 Electronics																
7	1M79230		Demo: Housekeeping	01/28/05	-2	02/01/05*					▽					
7	1M79090		Demo: Command and Telemetry	10/01/04	-81	02/04/05			◆		▽					
7	1M79180		Demo: Inter-task Communications	12/03/04	-38	02/04/05				◆		▽				
7	1M79190		Demo: Command and Telemetry Data Dictionary	01/07/05	-19	02/04/05				◆		▽				
7	1M79170		Demo: Spacecraft Interfaces	12/03/04	-44	02/14/05				◆		▽				
7	1M79200		Demo: Thermal Control	01/07/05	-27	02/16/05				◆		▽				
7	1M79001010	9	Flight TEM Assy A: Elec to I&T	06/07/04	-172	02/17/05	◆					▽				
7	1M79002010	9	Flight TEM PS Assy A: Elec to I&T	05/12/04	-189	02/17/05	◆					▽				
7	1M79240		Demo: Event Integrity and Delivery	01/28/05	-16	02/22/05						▽				
Run Date 02/25/05 10:10							GLAST LAT PROJECT							LT-T3: Remaining Level 3 by Subsystem		Sheet 3
Data Date 02/01/05							Remaining Level 3 Milestones							FL-T3: Remaining L3 Milestones		
© Primavera Systems, Inc.							Sort by Subsystem									



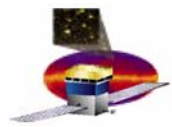
Remaining Level 3 Milestones

AV	Activity ID	ND	Activity Description	Baseline Finish	Bsin Var	Early Finish	FY04		FY05				FY06	
							Q3	Q4	Q1	Q2	Q3	Q4	Q1	
4.1.7 Electronics														
7	1M79001020	9	Flight TEM Assy B: Elec to I&T	06/14/04	-172	02/25/05	♦				▽			
7	1M79002020	9	Flight TEM PS Assy B: Elec to I&T	05/19/04	-189	02/25/05	♦				▽			
7	1M79220		Demo: Charge Injection Calibration	01/07/05	-33	02/25/05				♦	▽			
7	1M79003010	9	Flight Cables Assy A: Elec to I&T	05/10/04	-198	03/01/05	♦				▽			
7	1M79003020	9	Flight Cables Assy B: Elec to I&T	05/10/04	-200	03/03/05	♦				▽			
7	1M79003030	9	Flight Cables Assy 1: Elec to I&T	06/10/04	-180	03/07/05	♦				▽			
7	1M79003040	9	Flight Cables Assy 2: Elec to I&T	06/10/04	-182	03/09/05	♦				▽			
7	1M79003050	9	Flight Cables Assy 3: Elec to I&T	06/10/04	-184	03/11/05	♦				▽			
7	1M79210		Demo: Watchdog	01/07/05	-43	03/11/05				♦	▽			
7	1M79003060	9	Flight Cables Assy 4: Elec to I&T	06/10/04	-186	03/15/05	♦				▽			
7	1M79270		Demo: Mode Control	02/25/05	-12	03/15/05					♦	▽		
7	1M79280		Demo: Diagnostics	02/25/05	-12	03/15/05					♦	▽		
7	1M79003070	9	Flight Cables Assy 5: Elec to I&T	06/28/04	-176	03/17/05	♦				▽			
7	1M79003080	9	Flight Cables Assy 6: Elec to I&T	06/28/04	-178	03/21/05	♦				▽			
7	1M79250		Demo: Event Filtering	01/28/05	-36	03/22/05					♦	▽		
7	1M79003090	9	Flight Cables Assy 7: Elec to I&T	06/28/04	-180	03/23/05	♦				▽			

Run Date 02/25/05 10:10
 Data Date 02/01/05
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Remaining Level 3 Milestones
Sort by Subsystem

LT-T3: Remaining Level 3 by Subsystem
 FL-T3: Remaining L3 Milestones
 Sheet 4



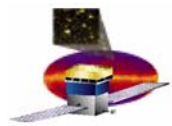
Remaining Level 3 Milestones

AV	Activity ID	ND	Activity Description	Baseline Finish	Bsin Var	Early Finish	FY04		FY05				FY06	
							Q3	Q4	Q1	Q2	Q3	Q4	Q1	
4.1.7 Electronics														
7	1M79003100	9	Flight Cables Assy 8: Elec to I&T	06/28/04	-182	03/25/05	♦				▽			
7	1M79003110	9	Flight Cables Assy 9: Elec to I&T	06/28/04	-184	03/29/05	♦				▽			
7	1M79003120	9	Flight Cables Assy 10: Elec to I&T	06/28/04	-186	03/31/05	♦				▽			
7	1M7941440	9	Final EGSE incl S/C Sim, FSW-Elec to I&T	12/13/04	-71	04/01/05			♦		▽			
7	1M79003130	9	Flight Cables Assy 11: Elec to I&T	07/15/04	-176	04/04/05	♦				▽			
7	1M79003140	9	Flight Cables Assy 12: Elec to I&T	07/15/04	-178	04/06/05	♦				▽			
7	1M79003150	9	Flight Cables Assy 13: Elec to I&T	07/15/04	-180	04/08/05	♦				▽			
7	1M79003160	9	Flight Cables Assy 14: Elec to I&T	07/15/04	-182	04/12/05	♦				▽			
7	1M79003170	9	Flight Cables Assy 15: Elec to I&T	07/15/04	-184	04/14/05	♦				▽			
7	1M79003180	9	Flight Cables Assy 16: Elec to I&T	07/15/04	-186	04/18/05	♦				▽			
7	1M79001030	9	Flight TEM Assy 1: Elec to I&T	08/03/04	-177	04/22/05		♦			▽			
7	1M79002030	9	Flight TEM PS Assy 1: Elec to I&T	07/01/04	-199	04/22/05	♦				▽			
7	1M79001040	9	Flight TEM Assy 2: Elec to I&T	08/10/04	-177	04/29/05		♦			▽			
7	1M79002040	9	Flight TEM PS Assy 2: Elec to I&T	07/09/04	-199	04/29/05	♦				▽			
7	1M79260		Demo: GRB Detection and Response	01/28/05	-64	04/29/05				♦	▽			
7	1M79001050	9	Flight TEM Assy 3: Elec to I&T	08/17/04	-177	05/06/05		♦			▽			

Run Date 02/25/05 10:10
 Data Date 02/01/05
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Remaining Level 3 Milestones
Sort by Subsystem

LT-T3: Remaining Level 3 by Subsystem
 FL-T3: Remaining L3 Milestones
 Sheet 5



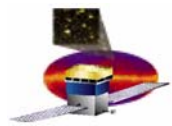
Remaining Level 3 Milestones

AV	Activity ID	ND	Activity Description	Baseline Finish	Bsin Var	Early Finish	FY04		FY05				FY06	
							Q3	Q4	Q1	Q2	Q3	Q4	Q1	
4.1.7 Electronics														
7	1M79002050	9	Flight TEM PS Assy 3: Elec to I&T	07/16/04	-199	05/06/05		◆					▽	
7	1M79001060	9	Flight TEM Assy 4: Elec to I&T	08/24/04	-177	05/13/05			◆				▽	
7	1M79002060	9	Flight TEM PS Assy 4: Elec to I&T	07/23/04	-199	05/13/05		◆					▽	
7	1M79001070	9	Flight TEM Assy 5: Elec to I&T	08/31/04	-177	05/20/05			◆				▽	
7	1M79002070	9	Flight TEM PS Assy 5: Elec to I&T	07/30/04	-199	05/20/05		◆					▽	
7	1M79001080	9	Flight TEM Assy 6: Elec to I&T	09/08/04	-177	05/27/05			◆				▽	
7	1M79002080	9	Flight TEM PS Assy 6: Elec to I&T	08/06/04	-199	05/27/05		◆					▽	
7	1M79411110	9	Flight Harness-Elec to I&T	10/20/04	-149	06/01/05			◆				▽	
7	1M79001090	9	Flight TEM Assy 7: Elec to I&T	09/15/04	-177	06/06/05			◆				▽	
7	1M79002090	9	Flight TEM PS Assy 7: Elec to I&T	08/13/04	-199	06/06/05		◆					▽	
7	1M79001100	9	Flight TEM Assy 8: Elec to I&T	09/22/04	-177	06/13/05			◆				▽	
7	1M79002100	9	Flight TEM PS Assy 8: Elec to I&T	08/20/04	-199	06/13/05		◆					▽	
7	1M79001110	9	Flight TEM Assy 9: Elec to I&T	09/29/04	-177	06/20/05			◆				▽	
7	1M79002110	9	Flight TEM PS Assy 9: Elec to I&T	08/25/04	-201	06/20/05		◆					▽	
7	1M79001120	9	Flight TEM Assy 10: Elec to I&T	10/06/04	-177	06/27/05			◆				▽	
7	1M79002120	9	Flight TEM PS Assy 10: Elec to I&T	08/30/04	-203	06/27/05		◆					▽	

Run Date 02/25/05 10:10
 Data Date 02/01/05
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Remaining Level 3 Milestones
Sort by Subsystem

LT-T3: Remaining Level 3 by Subsystem
 FL-T3: Remaining L3 Milestones
 Sheet 6



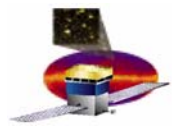
Remaining Level 3 Milestones

AV	Activity ID	ND	Activity Description	Baseline Finish	Bsin Var	Early Finish	FY04		FY05		FY06	
							Q3	Q4	Q1	Q2	Q3	Q4
4.1.7 Electronics												
7	1M7942000	9	Flight PDU Box-Elec to I&T	10/13/04	-176	07/01/05			◆			▽
7	1M79001130	9	Flight TEM Assy 11: Elec to I&T	10/13/04	-177	07/05/05			◆			▽
7	1M79002130	9	Flight TEM PS Assy 11: Elec to I&T	09/02/04	-205	07/05/05		◆				▽
7	1M79001140	9	Flight TEM Assy 12: Elec to I&T	10/20/04	-177	07/12/05			◆			▽
7	1M79002140	9	Flight TEM PS Assy 12: Elec to I&T	09/08/04	-207	07/12/05		◆				▽
7	1M7941070	9	Flight GASU Box-Elec to I&T	11/01/04*	-170	07/13/05			◆			▽
7	1M79001150	9	Flight TEM Assy 13: Elec to I&T	10/27/04	-177	07/19/05			◆			▽
7	1M79002150	9	Flight TEM PS Assy 13: Elec to I&T	09/13/04	-209	07/19/05		◆				▽
7	1M79001160	9	Flight TEM Assy 14: Elec to I&T	11/03/04	-177	07/26/05			◆			▽
7	1M79002160	9	Flight TEM PS Assy 14: Elec to I&T	09/16/04	-211	07/26/05		◆				▽
7	1M79001170	9	Flight TEM Assy 15: Elec to I&T	11/10/04	-177	08/02/05			◆			▽
7	1M79002170	9	Flight TEM PS Assy 15: Elec to I&T	09/21/04	-213	08/02/05			◆			▽
7	1M79001180	9	Flight TEM Assy 16: Elec to I&T	11/17/04	-177	08/09/05			◆			▽
7	1M79002180	9	Flight TEM PS Assy 16: Elec to I&T	09/24/04	-215	08/09/05			◆			▽
7	1M7941080	9	Flight SIU-Elec to I&T	10/13/04	-210	08/19/05			◆			▽
7	1M7941090	9	Flight Event Processor Units-Elec to I&T	11/01/04	-197	08/19/05			◆			▽

Run Date 02/25/05 10:11
 Data Date 02/01/05
 © Primavera Systems, Inc.

GLAST LAT PROJECT
Remaining Level 3 Milestones
Sort by Subsystem

LT-T3: Remaining Level 3 by Subsystem
 FL-T3: Remaining L3 Milestones
 Sheet 7



Remaining Level 3 Milestones

AV	Activity ID	ND	Activity Description	Baseline Finish	Bsin Var	Early Finish	FY04		FY05				FY06	
							Q3	Q4	Q1	Q2	Q3	Q4	Q1	
4.1.8 Mechanical														
8	1M1000240	9	Flight Grid RFI-Mech to I&T	07/22/04	-142	02/22/05		◆			▽			
8	1M941710	9	X-LAT Thermal Plate RFI from Mech to I&T	08/12/04	-168	04/20/05		◆				▽		
8	1M941720	9	Radiators ready for I&T (from Mech to I&T)	03/17/05	-89	07/22/05					◆		▽	
4.1.9 I&T														
9	1M1001790	5	EM2 TEM/PS (return FMA) from I&T to CAL	07/23/04	-130	02/04/05*		◆			▽			
9	1M1001820	5	EM2 TEM/PS (return FM2) from I&T to CAL	08/16/04	-114	02/04/05*			◆		▽			
9	1M1001800	5	EM2 TEM/PS (return FMB)from I&T to CAL	07/23/04	-135	02/11/05*		◆			▽			
9	1M1001830	5	EM2 TEM/PS (return FM3) from I&T to CAL	08/31/04	-108	02/11/05*			◆		▽			
9	1M1001810	5	EM2 TEM/PS (return FM1) from I&T to CAL	08/13/04	-125	02/18/05*			◆		▽			
9	1M1001840	5	EM2 TEM/PS (return FM4) from I&T to CAL	08/31/04	-126	03/10/05*			◆		▽			
9	1M1001850	5	EM2 TEM/PS (return FM5) from I&T to CAL	09/29/04	-106	03/10/05*			◆		▽			
9	1M1001860	5	EM2 TEM/PS (return FM6) from I&T to CAL	09/29/04	-125	04/06/05*			◆		▽			
9	1M1000130	2	LAT Ready to Ship to NRL for Env Test	06/08/05	-135	12/20/05						◆		▽
4.1.B ISOC														
B	1M1000112	B	Mission Operations Review (L-21mo.)	11/10/04	-177	08/02/05				◆				▽
B	1M7941270	B	Ground System Interface Test start	11/10/04	-177	08/02/05				◆				▽
Run Date 02/25/05 10:11							GLAST LAT PROJECT				LT-T3: Remaining Level 3 by Subsystem		Sheet 8	
Data Date 02/01/05							Remaining Level 3 Milestones				FL-T3: Remaining L3 Milestones			
© Primavera Systems, Inc.							Sort by Subsystem							