

GLAST Calorimeter

*Monthly Cost /
Schedule / Mission
June 2005*



Monthly Cost/Schedule/Mission Review

GLAST LAT Calorimeter June 30, 2005

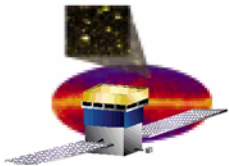
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**NAVAL RESEARCH LAB
WASHINGTON DC**





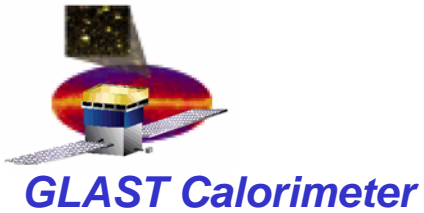
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Significant Accomplishments

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- ❑ **Completed ATDP reports on FM115 - 118.**
- ❑ **Completed PreShip Reviews on FM111 – FM118.**
- ❑ **Shipped FM108 – FM118 to SLAC**
- ❑ **Completed post ship testing and turned over FM108 – FM118 to LAT I&T.**
- ❑ **Completed assembly and initial testing of CAL 119.**
 - **Final closeout waiting for a few missing fasteners.**





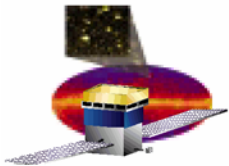
Assembly and Test

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Module S/N	PEM Assembly	AFEE Installation	TEM/TPS Safe-to-Mate	TEM/TPS Installation	Conformal Coat	Initial CPT	EMI/EMC	Vibration	TVAC	Mass Properties	Final CPT Calibration	Data Review	Ship	Post Ship Test
101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
102	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
103	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
104	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
105	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
106	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
107	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
108	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
109	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
110	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
111	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
112	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
113	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
114	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
115	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
116	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
117	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
118	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Completion
 Started
 This month
 Previously





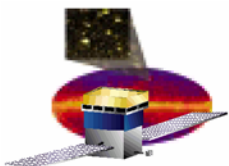
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Near Term Milestones

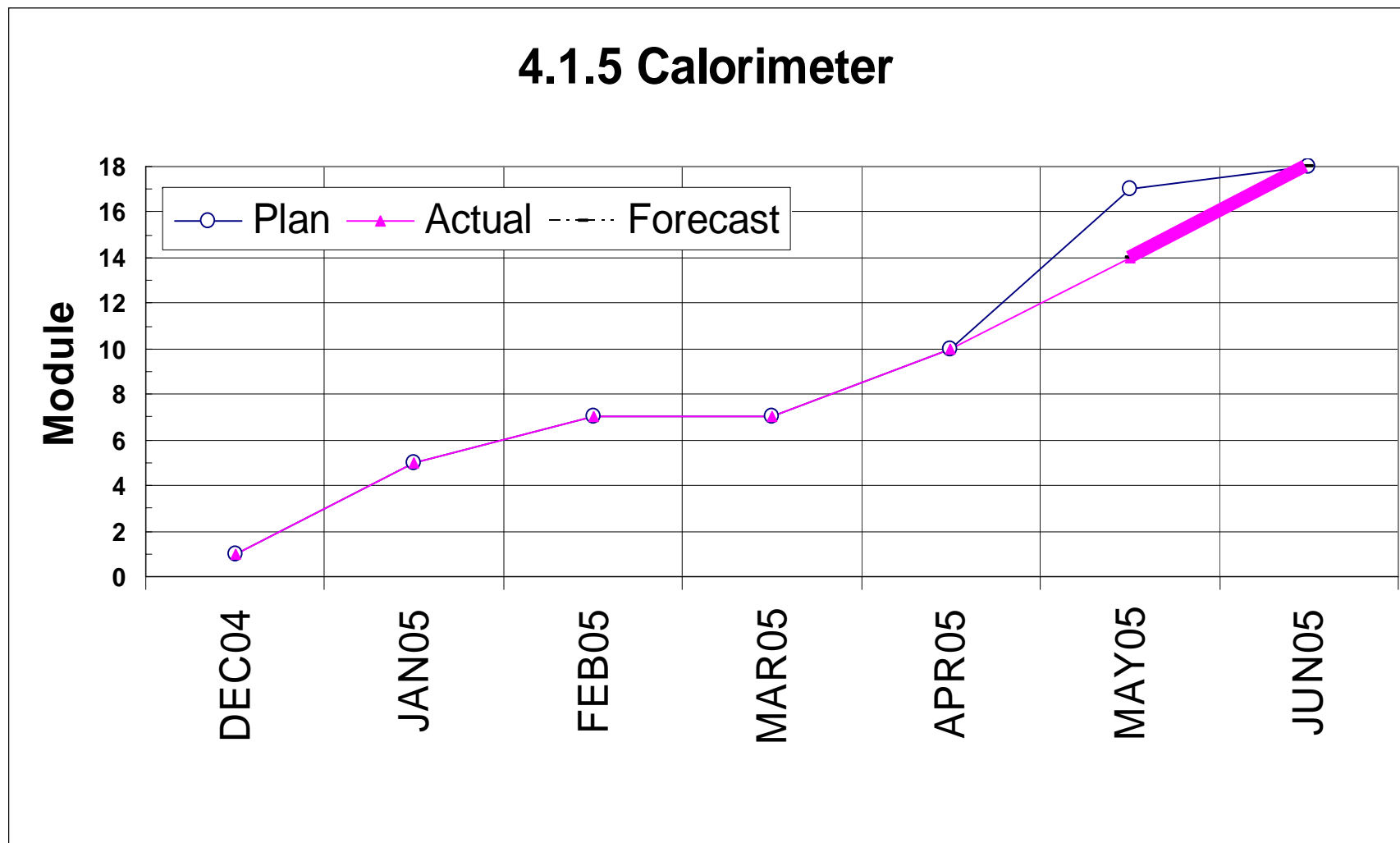
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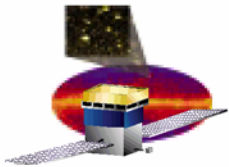
- **Remaining work**
 - **Disassemble Assy & Test facility, mothball GSE**
 - **Cleanup Work Order Database, create final archive**
 - **Celebrate**





Level 3 Milestone Count




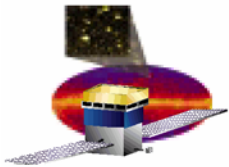


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Level 3 Milestone List

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Activity Description	Baseline Finish	-2m Var	-1m Var	Bsln Var	Early Finish	2005												2006						
						F	M	A	M	J	J	A	S	O	N	D	J	A	F	M	A	M	J	
4.1.5 Calorimeter																								
Flight Calorimeter Module 4 Ready to	02/14/05	-5	-5	-5	02/22/05A	▼																		
Flight Calorimeter Module 5 Ready to	02/14/05	-5	-5	-5	02/22/05A	▼																		
Flight Calorimeter Module 6 Ready to	04/18/05	0	0	-5	04/25/05A		▼																	
Flight Calorimeter Module 7 Ready to	04/21/05	0	0	-2	04/25/05A		▼																	
Flight Calorimeter Module 8 Ready to	04/25/05	0	0	0	04/25/05A		▼																	
Flight Calorimeter Module 9 Ready to	05/02/05	0	0	-17	05/25/05A		▼																	
Flight Calorimeter Module 10 Ready	05/10/05	0	0	-11	05/25/05A		▼																	
Flight Calorimeter Module 11 Ready	05/13/05	0	0	-8	05/25/05A		▼																	
Flight Calorimeter Module 12 Ready	05/18/05	0	0	-5	05/25/05A		▼																	
Flight Calorimeter Module 13 Ready	05/23/05	0	0	-13	06/10/05		▼																	
Flight Calorimeter Module 14 Ready	05/25/05	0	0	-11	06/10/05		▼																	
Flight Calorimeter Module 15 Ready	05/31/05	0	0	-8	06/10/05		▼																	
Flight Calorimeter Module 16 Ready	06/08/05	0	0	-2	06/10/05		▼																	
Run Date	06/16/05 09:56	GLAST LAT PROJECT				LT-DZ: Baseline Variance																	Report #10	
Data Date	06/01/05	Level 3 Milestones				FL-D4: AV: Level 3 Milestones																	Sheet 4	
© Primavera Systems, Inc.		Baseline Variance (Organized by Subsystem)				NAVAL RESEARCH LAB																		
						WASHINGTON DC																		



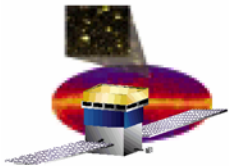
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Milestone Variance Explanation

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None





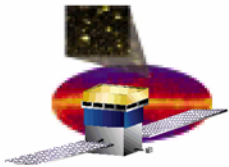
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Cost Report

Monthly Cost /
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Reporting Category	Cost Incurred				Estimated Cost			Estimated Final Cost		Unfilled Orders Outstanding
	During Month		Cum. to Date		Detail		Balance of Contract	Contractor Estimate	Contract Value	
	Actual	Planned	Actual	Planned	JUN05	JUL05				
4.1.5 CALORIMETER										
4.1.5.1 PROGRAM MANAGEMENT & ADMINISTRATION	59	63	3,360	3,435	66	40	149	3,614	3,614	0
4.1.5.2 SYSTEMS ENGINEERING	14	52	1,997	2,091	54	25	150	2,227	2,227	0
4.1.5.3 RELIABILITY AND QUALITY ASSURANCE	11	24	1,170	1,179	26	17	48	1,261	1,261	0
4.1.5.4 DESIGN	0	0	890	889	0	0	-1	889	889	0
4.1.5.5 CSI DETECTOR ELEMENTS (CDE)	1	0	3,603	3,635	0	0	32	3,635	3,635	0
4.1.5.6 PRE-ELECTRONICS MODULE (PEM)	17	12	1,694	1,722	10	0	29	1,732	1,732	8
4.1.5.7 ANALOG FRONT END ELECTRONICS	1	0	4,597	4,655	0	0	58	4,655	4,655	7
4.1.5.8 TOWER CONTROLLER	0	0	12	24	0	0	12	24	24	0
4.1.5.9 MODULE ASSEMBLY, TEST & CALIBRATION	96	70	3,831	3,894	10	18	97	3,955	3,955	4
4.1.5.A INSTRUMENT I&T SUPPORT	23	54	47	308	60	65	430	602	602	0
CAPW[3]Totals:	221	275	21,200	21,832	226	166	1,003	22,594	22,594	18





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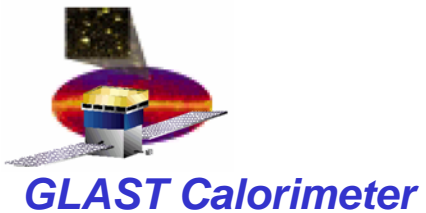
Cost Variance Explanation

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- **Accumulated cost under run: \$596K (+31K for May)**
 - Accumulated management underrun (mainly travel): \$179K
 - CDE Manufacturing completion balance: \$32K
 - AFEE assembly and test underrun: \$58K
 - Delayed invoicing for environmental testing: \$40K
 - Cum under run in CAL assy & test and LAT I&T support: \$248K
 - LOE accounting for LAT I&T support that does not reflect current plan.

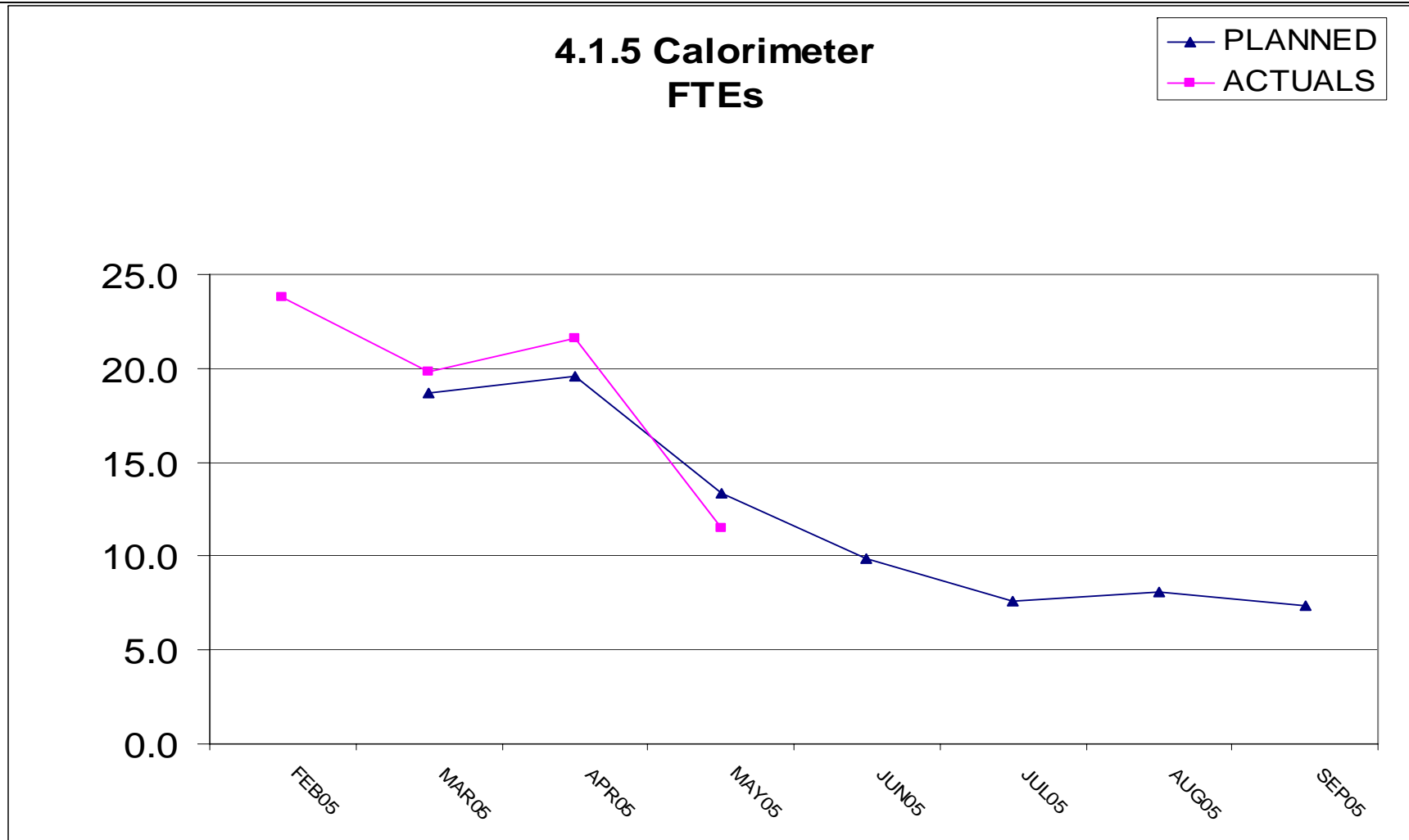
- **Expect to realize a cost savings at completion**

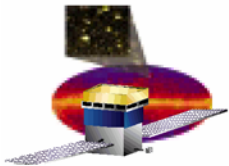




FTE Report (DOE/NASA-funded only)

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FTE Variance Explanation

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- **On target**

