

AntiCoincidence Detector

**GLAST Large Area Telescope:
Cost/Schedule Review
September 27, 2005
AntiCoincidence Detector (ACD)
Subsystem
WBS: 4.1.6**

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SIGNIFICANT ACCOMPLISHMENTS



ACD Team Photo - August 9, 2005

SIGNIFICANT ACCOMPLISHMENTS



ACD transporter preparing to depart Goddard on August 10.

◆ *Transported the ACD to the Stanford Linear Accelerator Center*



ACD Transportation Support Team

ACD Delivery to LAT



ACD transporter arriving at SLAC on Saturday, August 13.

ACD and LAT team members supporting arrival of ACD.



Level 3 Milestone List

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	D	E	J	A	F	M	A
4.1.6 ACD																							
ACD Test Scripts (from ACD to I&T)	03/15/05*	-91	-91	-91	07/22/05A	▼					▼												
ACD Flight Unit at SLAC,	07/15/05	-23	-27	-27	08/23/05A						▼	▼											
All milestones completed as of 8/23/2005																							
Run Date	09/21/05 15:25	GLAST LAT PROJECT										LT-DZ: Baseline Variance				Report #10							
Data Date	09/01/05	Level 3 Milestones										FL-D4: AV: Level 3 Milestones				Sheet 5							
© Primavera Systems, Inc.		Baseline Variance (Organized by Subsystem)																					

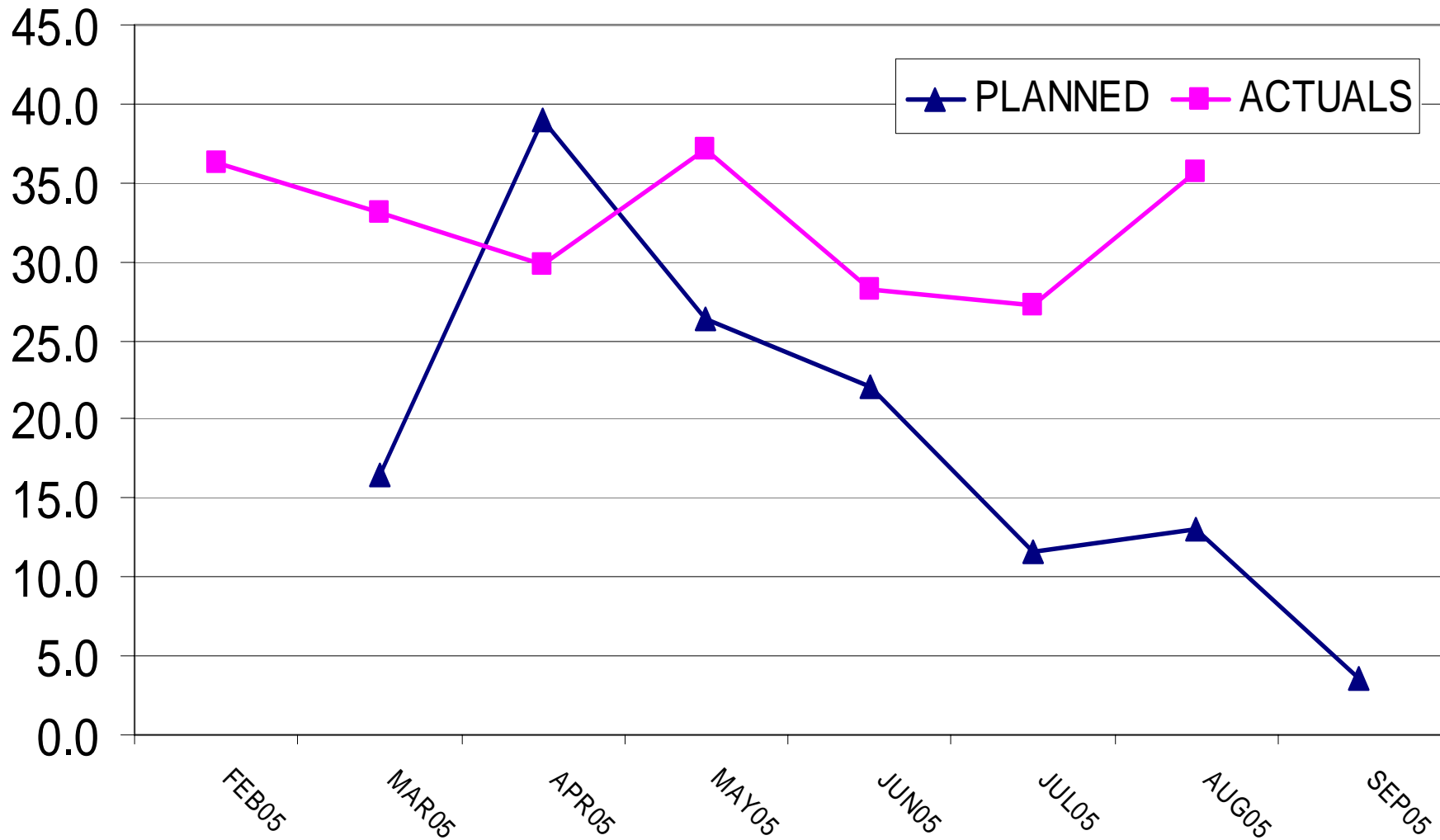
Cost Report

Monthly Contractor Financial Management Report 31-Aug-05							NASA form 533M Approved OMB # 2700-0		Report for Month Ending: 8/31/2005	
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	AT COMPL					
4.1.6 ANTICOINCIDENCE DETECTOR										
4.1.6.1 ACD PROJECT MANAGEMENT/SYS ENGRG /SCI S	8	57	3,869	4,034	94	0	165	4,128	4,128	90
4.1.6.2 SAFETY & MISSION ASSURANCE	46	51	929	920	0	0	-9	920	920	0
4.1.6.3 TILE SHELL ASSEMBLY (TSA)	0	0	3,770	3,792	0	0	22	3,792	3,792	17
4.1.6.4 BASE ELECTRONICS ASSEMBLY (BEA)	1	37	6,590	6,676	0	0	86	6,676	6,676	15
4.1.6.5 MICROMETEOROID SHIELD/THERMAL BLANKET A	50	85	684	778	0	0	94	778	778	0
4.1.6.6 ACD MECHANICAL QUALIFICATION & CALIBRATIC	0	0	177	177	0	0	0	177	177	0
4.1.6.7 ACD INTEGRATION & TEST	137	173	872	891	0	0	19	891	891	0
4.1.6.8 LAT INTEGRATION & TEST SUPPORT	0	7	0	10	7	0	10	17	17	
4.1.6.B GROUND SUPPORT EQUIPMENT (GSE) & FACILIT	23	0	1,043	951	0	0	-92	951	951	16
CAPW[3]Totals:	265	411	17,933	18,228	100	0	295	18,329	18,329	138

Cost Variance Explanation

- **Why overrun/underrun? Lag in accruals and invoicing.**
- **What will be done to correct? CR for \$361K approved in August. Should be sufficient to close out work on ACD. Closing out all tasks and contracts. Only remaining cost risks are the chargebacks (i.e. for testing and fabrication support).**

FTE Report (DOE/NASA-funded only)



FTE Variance Explanation

- **Why overrun/underrun? Three primary reasons:**
 - **August was a “long month” (i.e. ~6-7 weeks) for the Goddard labor charging system.**
 - **ACD Team was working 7 days/week for first 3 weeks in August.**
 - **Comp Time earned in prior months was being used.**
- **What is the impact? Cost.**
- **What will be done to correct? Delivered ACD! Moving people off project. Latest labor report had the ACD at ~7 FTEs. Two individuals were using the incorrect charge number. They have been contacted and corrective action has been taken.**