

WBS	CA
1.05.04	N/A

CAM	PERIOD
Donn McMahon	12/31/2007

BCWS	BCWP	ACWP	BAC	SV	CV	CPI
6,077,531	4,154,159	6,209,573	6,443,383	-1,923,372	-2,055,414	0.67%

Variance Explanation:

1.05.04 Optical Subsystem - Written by Donn McMahon for period 2/28/2007:
 The Cost variances in 1.05.04 are due delays in integrated designs, delays in receipt of experimental data, and more complex requirement. Final designs of the Attenuator Systems (1.05.04.02.01) were delayed due the lag in the design of the Gas Detector, which is integrated into the Attenuator System. The Gas Detector had some associated prototype and calibration tests. This resulted in more costs associated with the Attenuator.

Delays in receipt of experimental data from experiments conducted at DESY in Hamburg, Germany prolonged the final analysis of data from that campaign. This resulted in more costs associated with the TTF Calibration Tests (1.05.04.02.06)

The FEL Offset mirrors (1.05.04.02.07) had a considerably more complex process for the development and evaluation of requirements. This resulted in more upfront costs to arrive at a design.

Beyond the current variances there is no further anticipated impact to overall costs.

Updated by: Donn McMahon on 4/19/2007 for reporting period: 2/28/2007

Corrective Action:

1.05.04 Optical Subsystem - Written by Donn McMahon for period 2/28/2007:
 Revised tasking/schedules and ETC have been done in these areas. The significant upfront value engineering has enabled us to lower subsequent material costs offsetting the increase in required manpower efforts.

Updated by: Donn McMahon Date: 4/19/2007