

FAX COVER PAGE

CALIFORNIA INSTITUTE OF TECHNOLOGY

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TO:	Michael/Will: PC meeting
ORGANIZATION:	LIGO/MIT
FAX NUMBER:	(617) 253-7014
VOICE NUMBER:	(617) 253-3527
DATE:	5/29/96

FROM:	Larry Jones
ORGANIZATION:	LIGO Project
FAX NUMBER:	(818) 304-9834
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REFER TO:	LIGO - G960127-00-B
SUBJECT:	viewgraphs for beam tube
NUMBER OF PAGES FAXED INCLUDING THIS COVER SHEET: <i>X 11</i>	

1/24/96

5/29/96

BEAM TUBE LEVEL 2 NEAR TERM MILESTONES

		ACTUAL / EXPECTED
Award Baffle Procurement	4/15/96	3/28/96
Design Review Meeting	3/27/96	3/27/96
Qualify Spiral Mill in PRD Shop	6/20/96	6/20/96
Fabrication Readiness Review - WA	8/13/96	8/2/96
Deliver 300 Baffles to Site	9/1/96	9/1/96
Installation Readiness Review - WA	10/3/96	9/30/96

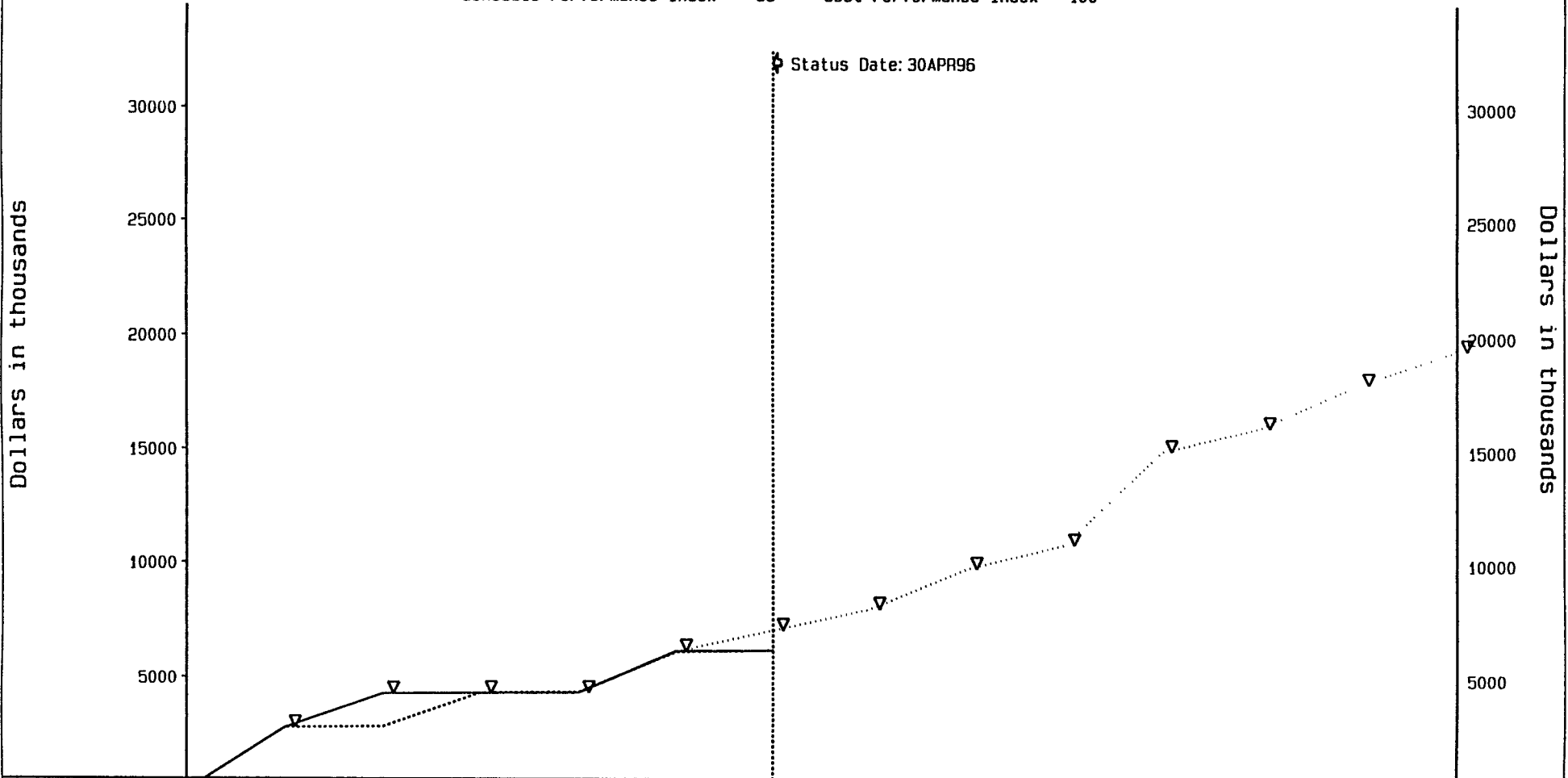
LEGEND	
Bud▽.....▽.....▽.....
Per▽.....▽.....▽.....
Act▽.....▽.....▽.....

LIGO PROJECT

1.1.2 Beam Tubes

Date: 7MAY96
 Program: LIGOPMB1
 Report: LIGOSPA
 COBRA (R)

Budget vs Performance vs Actual
 Schedule Performance Index = 88 Cost Performance Index = 100



	NOV95	DEC95	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	SCALE
Planned Budget	2,742	4,272	4,303	4,334	6,185	7,106	8,028	9,777	10,830	14,961	15,979	17,930	19,412	K\$
Performance	2,742	4,272	4,296	4,326	6,204	6,234								K\$
Actuals	2,736	2,788	4,322	4,355	6,164	6,238								K\$
Schedule Variance	0	0	-7	-8	19	-872								K\$
Cost Variance	6	1,484	-26	-29	40	-4								K\$

Schedule Variance = Perf-Budg Cost Variance = Perf-Actual Schedule Performance Index = Perf/Budg Cost Performance Index = Perf/Actual

COST PERFORMANCE REPORT (CPR)

CONTRACTOR: Caltech
LOCATION: Pasadena, CA

CONTRACT NUMBER:
PHY-9210038

REPORTING PERIOD:
31MAR96-30APR96

PROJECT FILE NAME:
LIGO Facilities PMB - WBS 1.1

REPORTING LEVEL	CURRENT PERIOD					CUMULATIVE TO DATE					AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED	VARIANCE		BUDGET (BAC)	ESTIMATE (EAC)	VARIANCE (11-12)
	WORK SCHEDULED	WORK PERFORMED		SCHEDULE (2-1)	COST (2-3)	WORK SCHEDULED	WORK PERFORMED		SCHEDULE (7-6)	COST (7-8)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
5B511: Beam Tube Contra	31	31	74	0	(43)	1057	1057	1097	0	(40)	2126	2126	0
5B512: Beam Tube Design	0	0	0	0	0	1878	1878	1847	0	31	1878	1878	0
5B513: BT Design/Spiral	0	0	0	0	0	3280	3299	3295	19	4	4998	4998	0
5B514: BT Baffle Fabric	0	0	0	0	0	0	0	0	0	0	758	758	0
5B521: WA BT Contract M	0	0	0	0	0	0	0	0	0	0	0	0	0
5B522: WA BT Factory Fa	891	0	0	(891)	0	891	0	0	(891)	0	13820	13820	0
5B523: WA BT Field Inst	0	0	0	0	0	0	0	0	0	0	4477	4477	0
5B524: WA BT Insulate a	0	0	0	0	0	0	0	0	0	0	1731	1731	0
5B525: WA Beam Tube Acc	0	0	0	0	0	0	0	0	0	0	2255	2255	0
5B532: LA Beam Tube Fac	0	0	0	0	0	0	0	0	0	0	10094	10094	0
5B533: LA BT Field Inst	0	0	0	0	0	0	0	0	0	0	2978	2978	0
5B534: LA BT Insulate a	0	0	0	0	0	0	0	0	0	0	1509	1509	0
5B535: LA BT Tube Accep	0	0	0	0	0	0	0	0	0	0	2258	2258	0
TOTALS	922	31	74	(891)	(43)	7106	6234	6238	(872)	(4)	48882	48882	0

Thousands of \$

COBRA (R) by WST Corp.

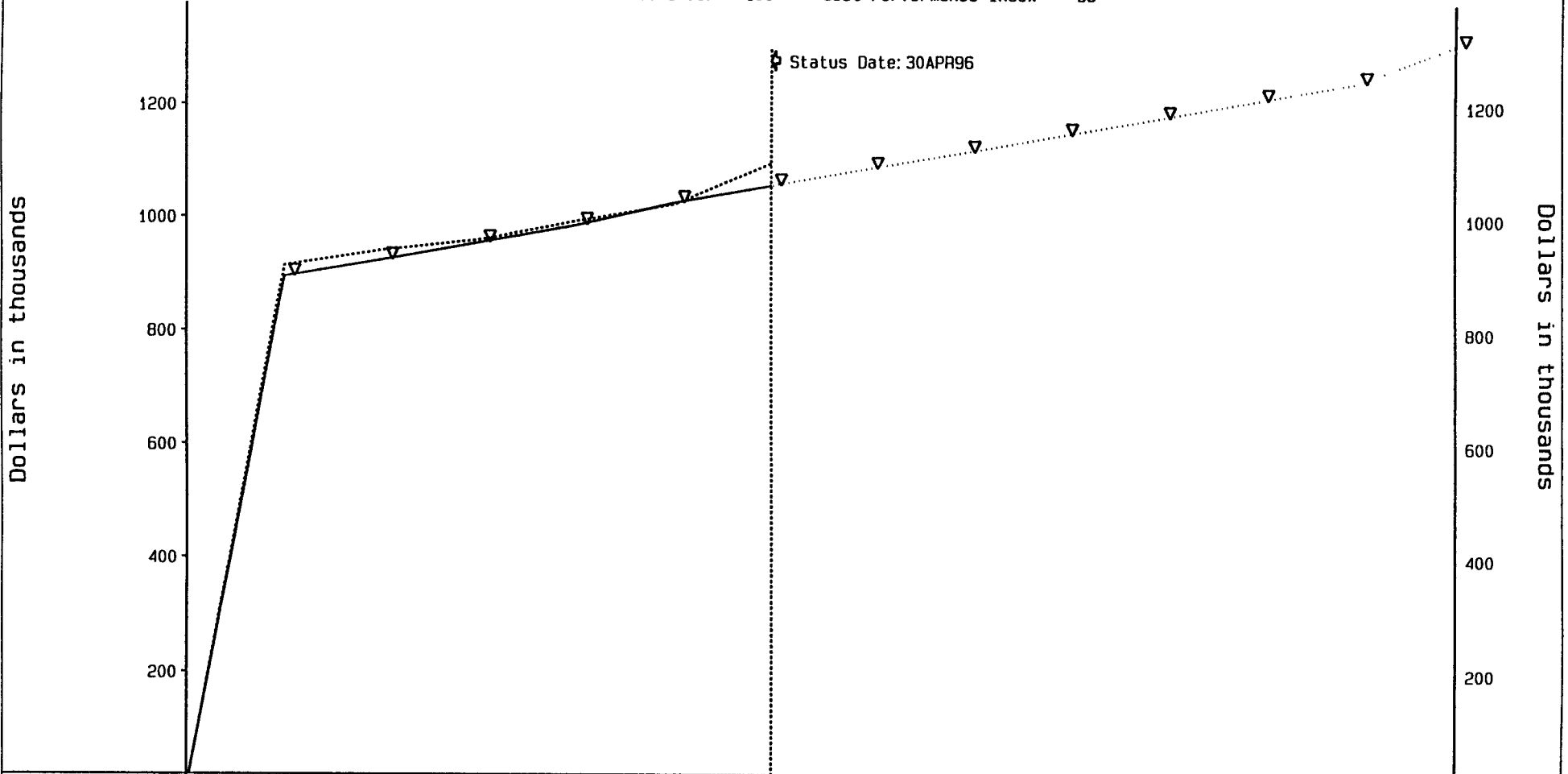
LEGEND	
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Act

LIGO PROJECT

5B511 Beam Tube Contract Mgmt

Date: 7MAY96
 Program: LIGOPMB1
 Report: LIGOSPA
 COBRA (R)

Budget vs Performance vs Actual
 Schedule Performance Index = 100 Cost Performance Index = 96



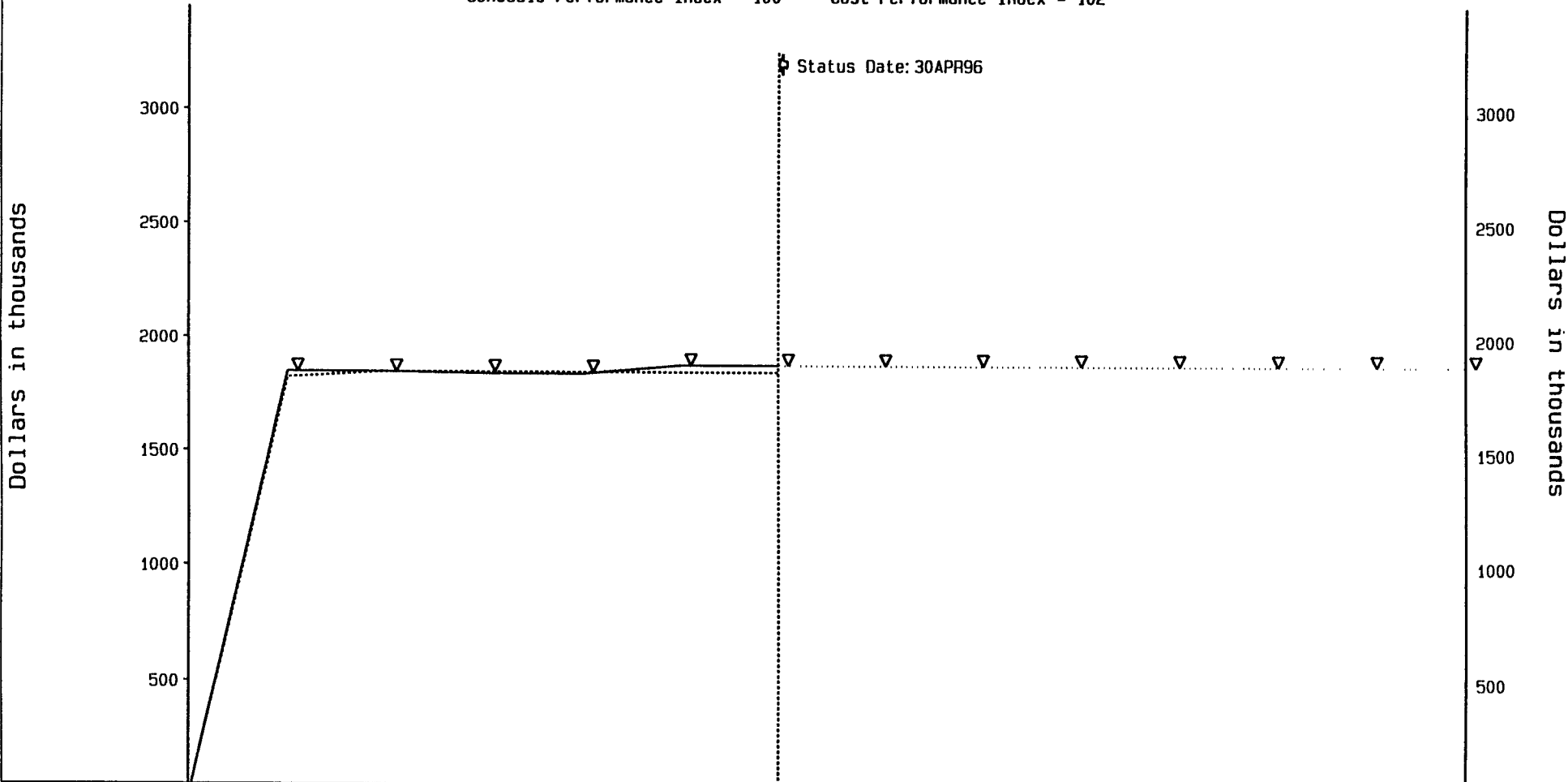
	NOV95	DEC95	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	SCALE
Planned Budget	895	925	956	987	1,026	1,057	1,088	1,118	1,149	1,179	1,210	1,241	1,308	K\$
Performance	895	925	956	987	1,026	1,057								K\$
Actuals	915	941	961	994	1,023	1,096								K\$
Schedule Variance	0	0	0	0	0	0								K\$
Cost Variance	-20	-16	-5	-7	3	-39								K\$
Schedule Variance = Perf-Budg Cost Variance = Perf-Actual Schedule Performance Index = Perf/Budg Cost Performance Index = Perf/Actual														

LEGEND	
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LIGO PROJECT
5B512 Beam Tube Design Contract

Date: 7MAY96
 Program: LIGOPMB1
 Report: LIGOSPA
 COBRA (H)

Budget vs Performance vs Actual
 Schedule Performance Index = 100 Cost Performance Index = 102



	NOV95	DEC95	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	SCALE
Planned Budget	1,847	1,847	1,847	1,847	1,878	1,878	1,878	1,878	1,878	1,878	1,878	1,878	1,878	K\$
Performance	1,847	1,847	1,840	1,840	1,878	1,878								K\$
Actuals	1,820	1,847	1,847	1,847	1,847	1,847								K\$
Schedule Variance	0	0	-7	-7	0	0								K\$
Cost Variance	27	0	-7	-7	31	31								K\$
Schedule Variance = Perf-Budg Cost Variance = Perf-Actual Schedule Performance Index = Perf/Budg Cost Performance Index = Perf/Actual														

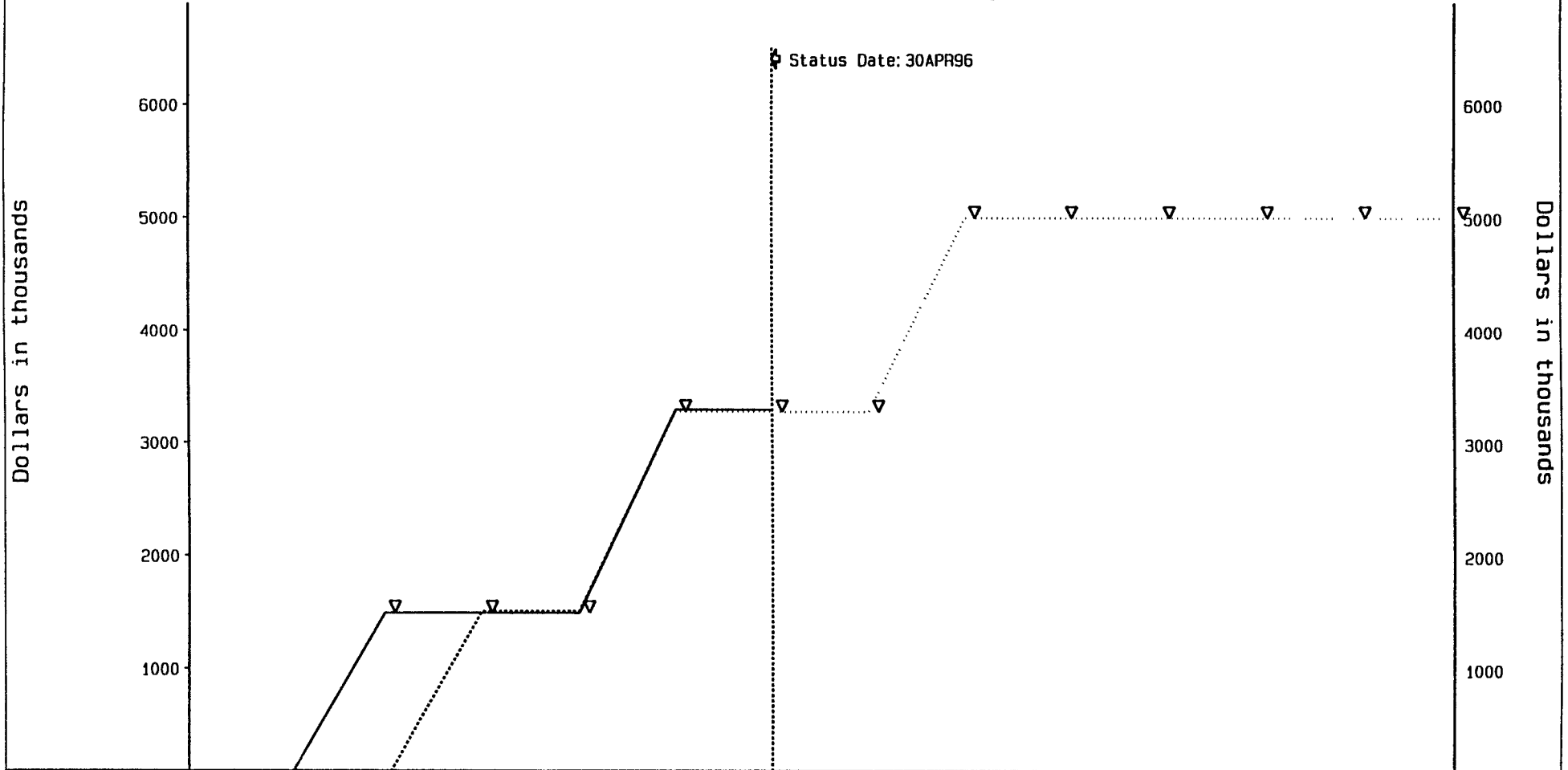
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LIGO PROJECT

5B513 BT Design/Spiral Mill Contract

Date: 7MAY96
 Program: LIGOPM81
 Report: LIGOSPA
 COBRA (A)

Budget vs Performance vs Actual
 Schedule Performance Index = 101 Cost Performance Index = 100



	NOV95	DEC95	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	SCALE
Planned Budget	0	1,500	1,500	1,500	3,280	3,280	3,280	4,998	4,998	4,998	4,998	4,998	4,998	K\$
Performance	0	1,499	1,499	1,499	3,299	3,299								K\$
Actuals	0	0	1,514	1,514	3,294	3,294								K\$
Schedule Variance	0	-1	-1	-1	19	19								K\$
Cost Variance	0	1,499	-15	-15	5	-5								K\$

Schedule Variance = Perf-Budg Cost Variance = Perf-Actual Schedule Performance Index = Perf/Budg Cost Performance Index = Perf/Actual

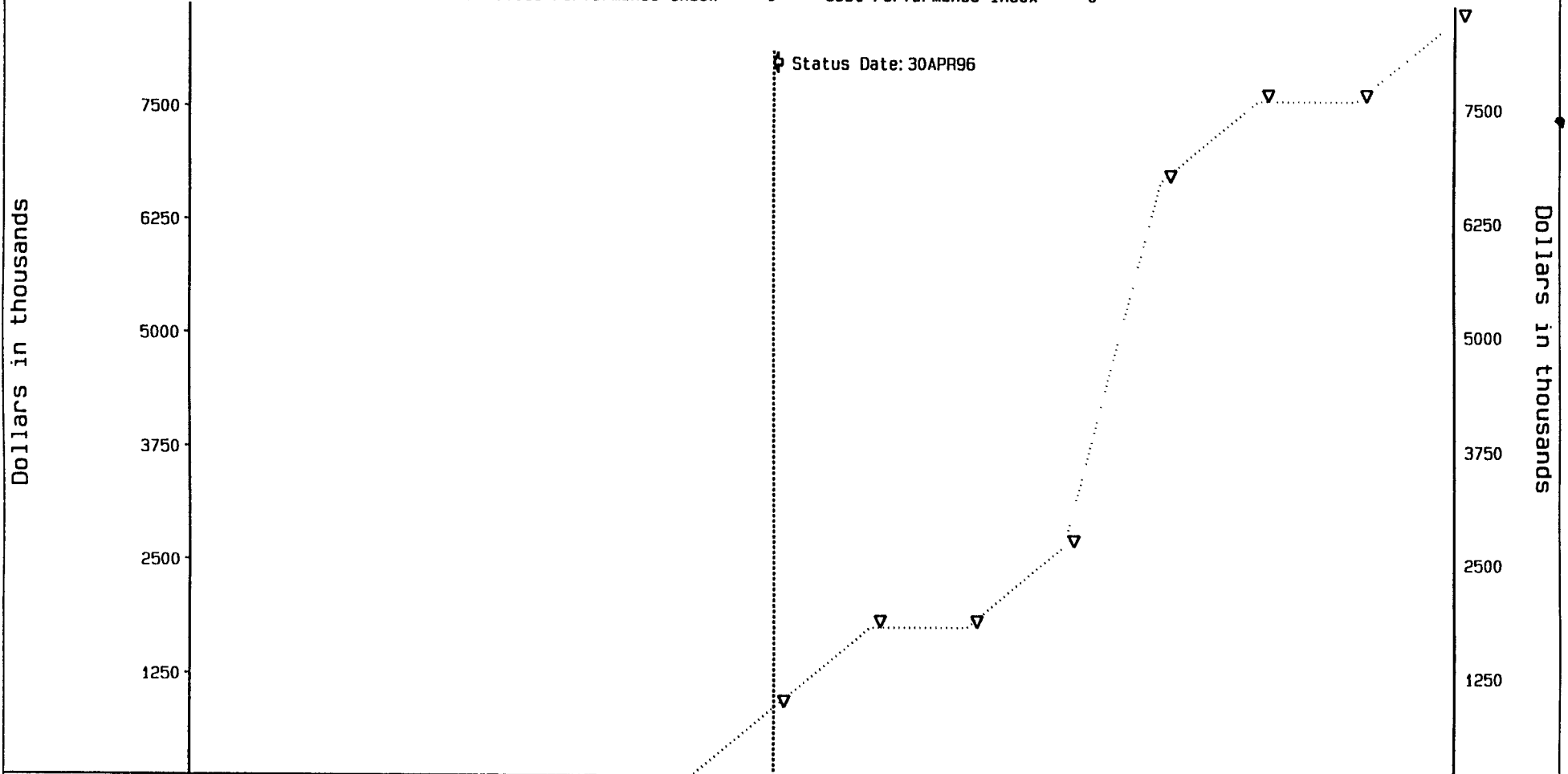
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LIGO PROJECT

5B522 WA BT Factory Fab

Date: 7MAY96
 Program: LIGOPM81
 Report: LIGOSPA
 COBRA (R)

Budget vs Performance vs Actual
 Schedule Performance Index = 0 Cost Performance Index = 0



	NOV95	DEC95	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	SCALE
Planned Budget	0	0	0	0	0	891	1,782	1,782	2,673	6,686	7,578	7,578	8,470	K\$
Performance	0	0	0	0	0	0								K\$
Actuals	0	0	0	0	0	0								K\$
Schedule Variance	0	0	0	0	0	- 891								K\$
Cost Variance	0	0	0	0	0	- 0								K\$

Schedule Variance = Perf-Budg Cost Variance = Perf-Actual Schedule Performance Index = Perf/Budg Cost Performance Index = Perf/Actual

Project File: LIGOPMB1	Description: LIGO Facilities PMB - WBS 1.1	Status Date: 04/30/96	Report Printed: 05/07/96
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Cost Account / WP_NO / Budget Element	DATA	CUM to NOV95	DEC95	JAN96	FEB96	MAR96	APR96									CUM to APR96
1.1.2 - Beam Tubes																
58511 - Beam Tube Contract Mgmt																
Salaries	ACWP	367	8	6	9	8	9									407
Supplies & Expenses	ACWP	9	0	5	2	6	6									29
JPL Support	ACWP	0	0	0	0	0	2									2
Subcontracts - First 25K	ACWP	1	0	0	5	0	0									6
Subcontracts - Over 25K	ACWP	69	0	0	0	0	29									98
Special Equipment	ACWP	2	3	(5)	0	1	1									3
Travel, Domestic	ACWP	42	3	2	2	1	8									58
Staff Benefits	ACWP	118	3	2	3	3	3									132
Overhead	ACWP	307	9	9	12	10	16									363
WP_NO Totals	ACWP	915	27	19	33	29	74									1097