

LIGO

LIGO.2 LIGO Laboratory Operations

Subtotal		1,198	728	01DEC99A	02SEP04	44		01DEC99A	12APR04	-101	-105
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LIGO.2.01 Laboratory Caltech Site Operations

LIGO.2.01.6 Campus Research Facilities (CAM)

LIGO.2.01.6.1 40 Meter Interferometer Upgrade

4M-M00010	40m Upgrade Project Start	0	0	01DEC99A		100		01DEC99A			0	40m Upgrade Project Start
4M-M99999	40m Project Complete	0	0		02SEP04	0			12APR04*	-101	-105	

LIGO.2.01.6.1.1 FAC

+ LIGO.2.01.6.1.1.1 Lab Expansion												
		344	0	01DEC99A	13APR01A	100		01DEC99A	13APR01A		-89	
+ LIGO.2.01.6.1.1.2 Vacuum Envelope												
		187	0	27OCT00A	26JUL01A	100		27OCT00A	26JUL01A		-151	
+ LIGO.2.01.6.1.1.3 Vacuum Controls												
		232	0	05JUN00A	07MAY01A	100		05JUN00A	07MAY01A		-110	

LIGO.2.01.6.1.2 SEI

+ LIGO.2.01.6.1.2.1 Output Chamber Stack												
		416	0	01DEC99A	26JUL01A	100		01DEC99A	26JUL01A		-122	
+ LIGO.2.01.6.1.2.2 Cavity Optics Isolation												
		227	0	22JUL00A	15JUN01A	100		22JUL00A	15JUN01A		-100	

LIGO.2.01.6.1.3 SUS

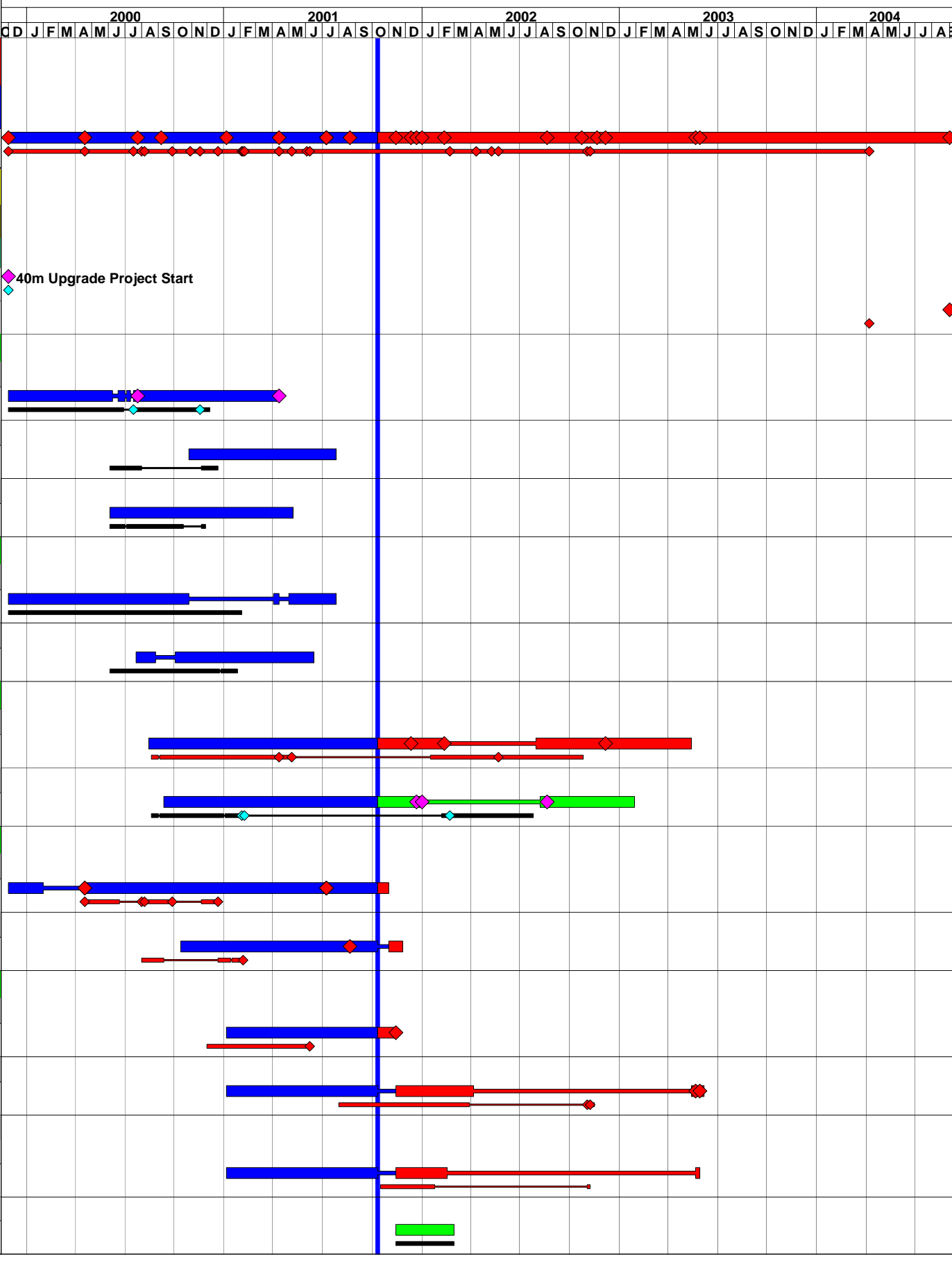
+ LIGO.2.01.6.1.3.1 Large Optic Suspensions												
		692	398	14AUG00A	14MAY03	36		14AUG00A	04FEB03	-71	-136	
+ LIGO.2.01.6.1.3.2 Small Optic Suspensions												
		598	323	11SEP00A	29JAN03	64		11SEP00A	04FEB03	4	-126	

LIGO.2.01.6.1.4 PSL

+ LIGO.2.01.6.1.4.1 Laser												
		484	14	01DEC99A	31OCT01	97		01DEC99A	31OCT01	0	-219	
+ LIGO.2.01.6.1.4.2 PSL												
		283	18	13OCT00A	27NOV01	66		13OCT00A	27NOV01	0	-207	

LIGO.2.01.6.1.5 Optical Systems and Sensing

+ LIGO.2.01.6.1.5.1 Optical Systems Design												
		219	23	05JAN01A	13NOV01	82		05JAN01A	13NOV01	0	-110	
+ LIGO.2.01.6.1.5.2 IFO Input Beam												
		608	390	06JAN01A	05JUN03	1		06JAN01A	28MAY03	-5	-136	
LIGO.2.01.6.1.5.3 Optical Sensing Beams												
+ LIGO.2.01.6.1.5.3.1 Initial Pointing Beam												
		604	385	05JAN01A	28MAY03	6		05JAN01A	21JAN03	-91	-136	
+ LIGO.2.01.6.1.5.3.2 IMC Reflected												
		71	71	15NOV01	01MAR02	0		20SEP02	06JAN03	212	0	



Start Date	01DEC99	Early Bar
Finish Date	02SEP04	Baseline Bar
Data Date	12OCT01	Progress Bar
Run Date	16OCT01 19:23	Critical Activity

01DEC99	02SEP04	12OCT01	16OCT01 19:23
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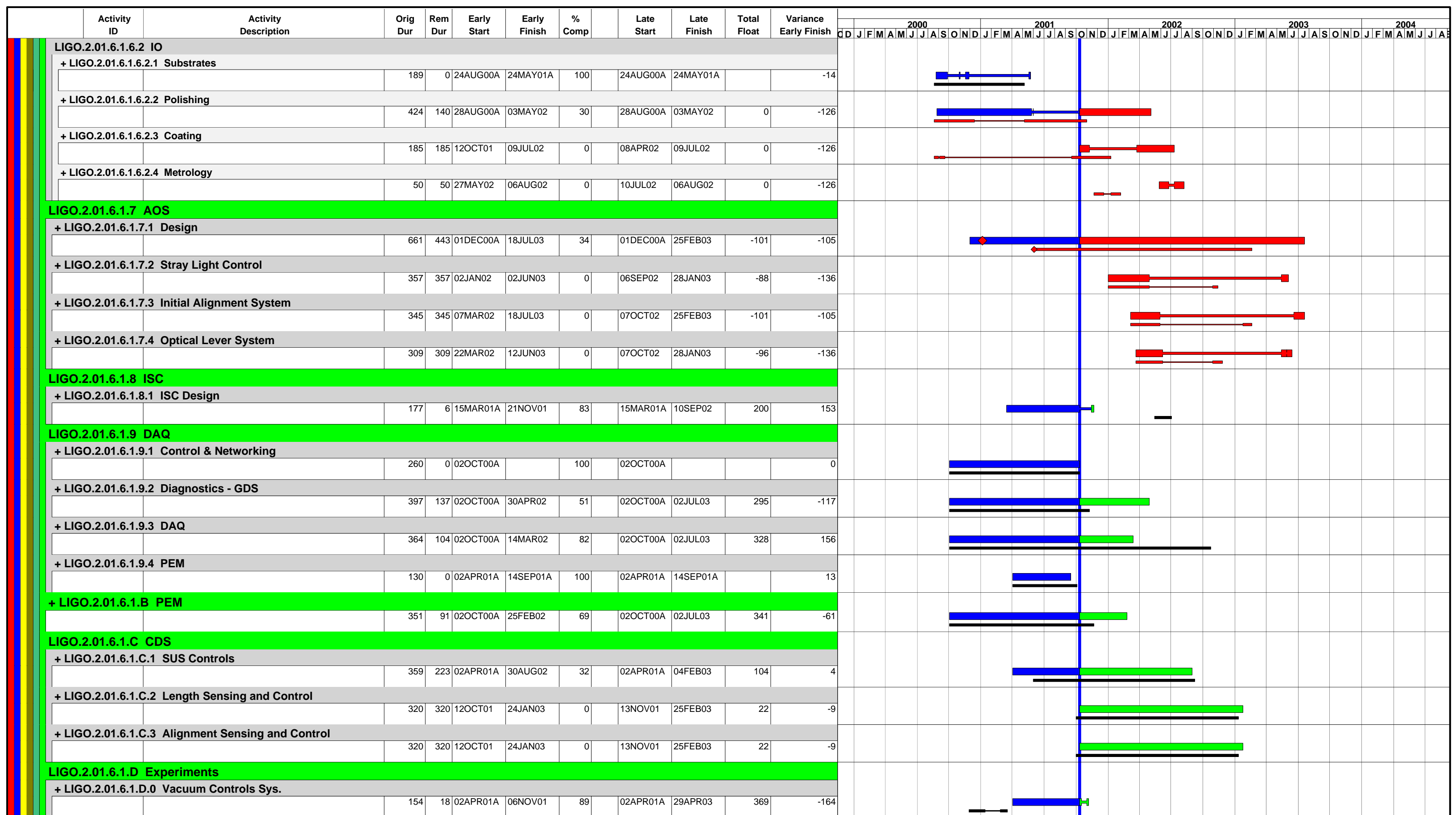
L043 - 40MU

LIGO II
40 Meter Upgrade
Summary Schedule Layout - 40-Meter (AW)





Sheet 1 of 4

Date	Revision	Checked	Approved





Start Date 01DEC99
 Finish Date 02SEP04
 Data Date 12OCT01
 Run Date 16OCT01 19:23

	Early Bar
	Baseline Bar
	Progress Bar
	Critical Activity

L043 - 40MU

LIGO II
 40 Meter Upgrade
 Summary Schedule Layout - 40-Meter (AW)

Sheet 3 of 4

Date	Revision	Checked	Approved



