

Activity ID	Activity Description	Orig Dur	Rem Dur	Early Start	Early Finish	% Comp	Total Float	FY05				FY06				FY07			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
LIGO																			
LIGO.2 LIGO Laboratory Operations																			
LIGO.2.01 Laboratory Caltech Site Operations																			
LIGO.2.01.6 Campus Research Facilities (CAM)																			
LIGO.2.01.6.2 Dual Recycled Experiments																			
LIGO.2.01.6.2.1 Interferometer Infrastructure																			
4M-S08010	40m IFO - Upgrade computers and slow controls	501*	336*	01SEP04A	31AUG06	33	20	40m IFO - Upgrade computers											
4M-S08020	40m IFO - Optimize suspension controllers	501*	336*	01SEP04A	31AUG06	33	20	40m IFO - Optimize suspensio											
4M-S08030	40m IFO - Optimize oplev servos	501*	336*	01SEP04A	31AUG06	33	20	40m IFO - Optimize oplev serv											
4M-S08040	40m IFO - Optimize Mach-Zehnder	501*	336*	01SEP04A	31AUG06	33	20	40m IFO - Optimize Mach-Zehr											
4M-S08050	40m IFO - Optimize Mode cleaner length control	501*	336*	01SEP04A	31AUG06	33	20	40m IFO - Optimize Mode clear											
4M-S08060	40m IFO- Optimize Mode cleaner alignment control	501*	336*	01SEP04A	31AUG06	33	20	40m IFO- Optimize Mode clear											
4M-S08070	40m IFO - Optimize PSL table-top ISS	501*	336*	01SEP04A	31AUG06	33	20	40m IFO - Optimize PSL table-											
4M-S08080	40m IFO- Inst commiss optimize PSL tbl-top FSS	459*	336*	01NOV04A	31AUG06	27	20	40m IFO- Inst commiss optimi											
4M-S08090	40m IFO - Optimize DAQ & fast cntrls infrastr	501*	336*	01SEP04A	31AUG06	33	20	40m IFO - Optimize DAQ & fas											
4M-S08100	40m IFO - Optimize STACIS seismic isolation	501*	336*	01SEP04A	31AUG06	33	20	40m IFO - Optimize STACIS se											
4M-S08110	40m IFO - 60 Hz and RFI mitigation	501*	336*	01SEP04A	31AUG06	33	20	40m IFO - 60 Hz and RFI mitiga											
LIGO.2.01.6.2.2 DRFPMI Testing																			
4M-S08170	40m LSC - Commiss photodetectors & electronics	501*	0*	01SEP04A	29APR05A	100		40m LSC - Commiss photodetectors & electronics											
4M-S08180	40m LSC - MICH dither lock, optimize	501*	0*	01SEP04A	29APR05A	100		40m LSC - MICH dither lock, optimize											
4M-S08190	40m LSC - Double-demod for PRC & SRC	501*	0*	01SEP04A	29APR05A	100		40m LSC - Double-demod for PRC & SRC											
4M-S08200	40m LSC - Lock central part (MICH/PRC/SEC)	501*	0*	01SEP04A	29APR05A	100		40m LSC - Lock central part (MICH/PRC/SEC)											
4M-S08210	40m LSC - Optimize arm locking	501*	336*	01SEP04A	31AUG06	33	20	40m LSC - Optimize arm lockin											
4M-S08220	40m LSC - Add arms to locked central part	459*	336*	01NOV04A	31AUG06	27	20	40m LSC - Add arms to locked											
4M-S08230	40m LSC - Switch smoothly to DARM/CARM	459*	336*	01NOV04A	31AUG06	27	20	40m LSC - Switch smoothly to											
4M-S08240	40m LSC - Add common mode servo	147*	147*	01JUN05*	03JAN06	0	188	40m LSC - Add common mode servo											
4M-S08250	40m LSC - Automate lock acquisition procedure	147*	147*	01JUN05*	03JAN06	0	188	40m LSC - Automate lock acquisition procedure											
LIGO.2.01.6.2.3 Dual-Recycles Fabry Perot Michelson Tests																			
4M-S08280	40m DRFPI - Measure in-lock transfer functions.	146*	146*	01JUN05*	29DEC05	0	189	40m DRFPI - Measure in-lock transfer functions.											
4M-S08290	40m DRFPI - Verify RSE and optical spring	146*	146*	01JUN05*	29DEC05	0	189	40m DRFPI - Verify RSE and optical spring											
4M-S08300	40m DRFPI - Measure and characterize noise	146*	146*	01JUN05*	29DEC05	0	189	40m DRFPI - Measure and characterize noise											
4M-S08305	40m DRFPI - Noise Reduction Efforts	146*	146*	01JUN05*	29DEC05	0	189	40m DRFPI - Noise Reduction Efforts											
LIGO.2.01.6.2.4 DC Detection Optical & Sensing Systems																			
4M-D05020	40m DCISC: Design	126	43	03JAN05A	30JUN05	66	227	40m DCISC: Design											
4M-D05025	40m DCISC: Design Review	32	32	02MAY05	15JUN05	75	238	40m DCISC: Design Review											

Start Date 01DEC99
Finish Date 28MAR13
Data Date 30APR05
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Early Bar
Progress Bar
Critical Activity




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Sheet 1 of 2



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								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
								Gantt Chart Area											
4M-D05035	40m DCISC: Construction	32	87	01JUN05	03OCT05	0	248												
4M-D05045	40m DCISC: Assembly and Installation	86	86	01JUL05	01NOV05	0	227												
LIGO.2.01.6.2.7 Experiments																			
4M-S08310	40m DRFPI - Operate at a different SEC tune	146*	146*	01JUN05*	29DEC05	0	189												
4M-S08400	40m Exp - Alignment wavefront sensing at 200 MHz	250*	250*	01SEP05*	31AUG06	0	20												
4M-S08410	40m Exp - Squeezed light experiment	250*	250*	01SEP05*	31AUG06	0	20												
4M-S08420	40m Exp - Variable-reflectivity signal cavity	250*	250*	01SEP05*	31AUG06	0	20												

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