

		Start	Stop	Completion	Comment
Fiber Launch System	452 days	6/2/2009	2/23/2011	30%	Fiber stabilization eliminated from design
Fiber and coupling	5 mons	6/2/2009	10/19/2009	50%	input end available in same lab
Stabilization: optical setup	3 mons	10/20/2009	1/11/2010		task eliminated; not needed
Stabilization: electronics	3 mons	10/20/2009	1/11/2010		task eliminated; not needed
Performance characterization	3 mons	1/12/2010	4/5/2010		task eliminated; not needed
Integration into squeezer	2 mons	4/6/2010	5/31/2010	0%	will probably be done in February
Installation on H1	7 days	2/15/2011	2/23/2011	0%	
Squeezer	641 days	9/29/2008	3/14/2011		
Housing, location, breadboard, laser safety	4.5 mons	9/29/2008	1/30/2009	100%	
Optical layout	4.5 mons	2/2/2009	6/5/2009	100%	updated when necessary
Main dual wavelength laser purchase	6 mons	9/29/2008	3/13/2009	100%	use a LIGO I laser
Main dual wavelength laser characterization	1 mon	3/16/2009	4/10/2009	100%	use a LIGO I laser
Auxiliary locking laser purchase	5 mons	9/29/2008	2/13/2009	100%	
Auxiliary locking laser characterization	1 mon	2/16/2009	3/13/2009	100%	JDSU NPRO
Laser locking opto-electronics main laser	4 mons	9/29/2008	1/16/2009	90%	actually locking to fiber not done yet, but identical to aux. laser
Laser locking opto-electronics auxiliary laser	2 mons	1/19/2009	3/13/2009	100%	
Laser locking commissioning	2 mons	6/8/2009	7/31/2009	70%	main laser locking is identical to aux. laser locking
OPO purchase	4 mons	9/29/2008	1/16/2009	90%	everything available and tested; TBD: superpolished optics
OPO assembly and testing	6 mons	1/19/2009	7/3/2009	100%	
OPO locking opto-electronics	2 mons	3/16/2009	5/8/2009	50%	done at ANU; hardware available or on order at MIT
OPO commissioning	4 mons	8/3/2009	11/20/2009	100%	done at ANU
Squeezer phase locking opto-electronics	3 mons	5/11/2009	7/31/2009	20%	not required until April at MIT; done at ANU
Local oscillator phase locking opto-electronics	2 mons	8/3/2009	9/25/2009	20%	not required until April at MIT; done at ANU
Homodyne test diodes	6 mons	9/29/2008	3/13/2009	100%	detector from AEI at ANU
Light baffles and dumps	6 mons	6/8/2009	11/20/2009	10%	will be installed/designed as assembly progresses
Remote Controls	3 mons	1/12/2010	4/5/2010	20%	hardware design done; 30% assembled; software setup TBD
Squeezing commissioning	4 mons	12/15/2009	4/5/2010	50%	ANU part done; MIT part starts in May
System characterization and acceptance	2 mons	4/6/2010	5/31/2010	0%	Expected: OPO at MIT in May; SHG mirrors at MIT in April
Ship to LHO	2 mons	6/1/2010	7/26/2010	0%	
Rebuild at LHO	1 mon	7/27/2010	8/23/2010	0%	
Characterization at LHO	3 mons	8/24/2010	11/15/2010	0%	
Installation on H1	1 mon	2/15/2011	3/14/2011	0%	
Faraday	627 days	9/29/2008	2/22/2011		
Optical layout and mechanical drawings	6 mons	9/29/2008	3/13/2009	100%	
Purchase and inspection	3 mons	8/31/2010	11/22/2010	0%	
Assembly	1 mon	11/23/2010	12/20/2010	0%	
Characterization	2 mons	12/21/2010	2/14/2011	0%	
Acceptance	1 day	2/15/2011	2/15/2011	0%	
Installation on H1	1 wk	2/16/2011	2/22/2011	0%	
Auto-alignment (optional):	405 days	8/25/2009	3/14/2011		not in the plans
Tip-tilt steering optics and interface	4 mons	8/25/2009	12/14/2009		
Wavefront sensors electronics	6 mons	12/15/2009	5/31/2010		
Servo electronics	3 mons	6/1/2010	8/23/2010		
Test and Characterization	2 mons	8/24/2010	10/18/2010		

Installation on H1	1 mon	2/15/2011	3/14/2011	
Experimental test:	115 days	2/23/2011	8/2/2011	
Faraday checkout	1 wk	2/23/2011	3/1/2011	0%
Squeezer performance test on location	1 mon	3/15/2011	4/11/2011	0%
Squeezer alignment and mode matching	1 mon	4/12/2011	5/9/2011	0%
Squeezed light injection and noise characterization	2 mons	5/10/2011	7/4/2011	0%
Auto-alignment commissioning (optional)	1 mon	7/5/2011	8/1/2011	0%
Experimental test completed	1 day	8/2/2011	8/2/2011	0%
Modelling Support:	440 days	8/4/2008	4/9/2010	
Optical beam path	6 mons	8/4/2008	1/16/2009	75% still working on mode matching solutions
Optical scattering paths and effects	6 mons	1/19/2009	7/3/2009	100% noise and servo model done
H1 interferometer model	3 mons	7/6/2009	9/25/2009	100% noise and servo model done
Updated H1 noise model	1 mon	9/28/2009	10/23/2009	100% noise and servo model done
Advanced LIGO interferometer model	6 mons	10/26/2009	4/9/2010	0% not in a hurry