LIGO Chronology - LIGO-L1400164-v2 LIGO Chronology 1970s - 1980s

1970s		Feasibility studies and early work on laser interferometer gravitational-wave detectors				
1979		National Science Foundation (NSF) funds Caltech and MIT for laser interferometer $R\&D$				
1984		Development of multiple pendulum Advanced LIGO Concept				
1988		Development of signal recycling Advanced LIGO Concept				
1989	December	Construction proposal for LIGO submitted to the NSF				
1990s						
1990	May	National Science Board approves LIGO construction proposal				
1991	Fall	Congress approves first year funding for LIGO				
1992	February	NSF selects LIGO sites: Hanford, Wash., and Livingston, La.				
1994	July	Groundbreaking at Hanford site				
1998		JILA Demonstration of active-platform seismic isolation Advanced LIGO Concept				
1999		LIGO Scientific Collaboration White Paper on a Advanced LIGO interferometer concept				
1999	November	LIGO Inauguration Ceremony				
		2000s				
2000	October	Achieved "first lock" on Hanford 2-km interferometer in power-recycled configuration				
2000		Development of monolithic fused-silica suspension Advanced LIGO Concept				
2002	August	First scientific operation of all three interferometers in S1 run				
2003		Proposal for Advanced LIGO to the NSF				
2004		Advanced LIGO Hydraulic pre-isolator installed at Livingston				
2004	October	Approval by NSB of Advanced LIGO				
2005		Demonstration of Advanced LIGO laser power				
2005		Advanced LIGO thermal compensation system installed in initial LIGO interferometers				
2005	March	Design sensitivity reached				
2005		Advanced LIGO appears in President's budget as informational for 2008 start				
2005	November	Start of initial LIGO Science run, S5				
2006	May	NSF Baseline Review of Advanced LIGO				
2007	October	Science run of one year integrated quality data at design sensitivity completed ("S5")				
2008	April	Advanced LIGO Project start				
2008	July	First scientific paper using S5 data published				
2009	July	Science run ("S6") starts with enhanced initial detectors				

2010s

	20103
2010 October	Science run S6 ends
2010	Advanced LIGO installation of first interferometer starts
2012	Advanced LIGO first locking of single 4km arm, first locking of central interferometer

2013		Advanced LIGO first locking of central interferometer
2014	April	Advanced LIGO Livingston installation complete
2014	May	Advanced LIGO Livingston first two-hour lock
2014	July	Advanced LIGO Livingston sensitivity surpasses Initial LIGO
2014	October	Advanced LIGO Hanford Installation complete
2015	February	Advanced LIGO Hanford first two-hour lock
2015	March	Advanced LIGO all interferometers accepted
2015	May	Both aLIGO instruments exceed 50 Mpc NS-NS reach