

Tasks

Name	Begin date	End date	Duration
SHG assembly (can start anytime in optics lab)	5/29/17	9/4/17	71
In-vacuum OFI assembly (can start anytime in optics lab)	5/29/17	9/4/17	71
VOPO SUS assembly (can start anytime in clean lab)	5/29/17	9/4/17	71
ISCT6 moves to SQZ area in LVEA after O2	8/28/17	8/31/17	4
Check IFO lock without AS AIR diode	8/28/17	8/31/17	4
Start squeezer table assembly in SQZ bay in LVEA <i>Terry (ANU) at LLO; laser delivered April 25th</i>	9/4/17	9/4/17	0
ISCT6 Squeezer assembly in LVEA <i>Requires laser safe area around tables</i>	9/4/17	11/6/17	46
Electronics work <i>Some work can start during O2 Tuesday maintenance/ run measurement close-out</i>	9/4/17	9/15/17	10
install racks, power supplies and RF distribution	9/4/17	9/15/17	10
install chassis	9/4/17	9/15/17	10
pull cables for controls, short-run RF cables	9/4/17	9/15/17	10
slow control and DAQ checkout	9/4/17	9/15/17	10
ISCT6 laser/optical components	9/4/17	11/6/17	46
ISCT6 squeezer table assembly ready	11/7/17	11/7/17	0
VOPO Suspension test-end TFs	9/4/17	9/22/17	15
HAM5-HAM6 squeezing path work	9/4/17	10/6/17	25
Install OFI and tip-tilt in HAM5	9/4/17	9/22/17	15
Install septum window in SQZ path	9/18/17	9/22/17	5
Check alignment to HAM6	9/25/17	10/6/17	10
Fiber patch cords and feedthroughs	10/2/17	10/16/17	11
Fiber feedthroughs on site	10/2/17	10/2/17	0
Fiber feedthroughs re-checked on site	10/2/17	10/16/17	11

Tasks

Name	Begin date	End date	Duration
HAM6 Feed-throughs and viewport	10/17/17	11/10/17	19
Procurement and testing	10/17/17	10/27/17	9
Feedthrough installation (HAM6 C1 and D4)	10/30/17	11/10/17	10
VOPO injection platform (VIP)	11/6/17	12/18/17	31
Siskiyou mounts ready	11/6/17	11/6/17	0
<i>in-vac diodes ready by the end of June; Faraday TBC</i>			
VOPO cavity on site	11/6/17	11/6/17	0
VIP assembly and alignment in optics lab	11/6/17	12/18/17	31
<i>Including re-positioning of OPO crystal and check of OPO escape efficiency</i>			
Integration	1/8/18	4/19/18	74
VOPO installation in HAM6	1/8/18	1/26/18	15
Tip-tilt installation in HAM6	1/8/18	1/26/18	15
VOPO lock in air	1/29/18	3/30/18	45
Finish assembly SQZT6	1/29/18	2/15/18	14
Lock/OPO CLF	1/29/18	3/30/18	45
ISCT6/SQZT6 Slow control interface, DAQ models, basic auto-locker	1/29/18	3/30/18	45
Alignment/mode match check to OMC single bounce (need CLF/SEED beam)	4/2/18	4/19/18	14

Gantt Chart

