

Palomar LGSAO test schedule
7 September 2006 (local)

v3.0: 09/07/06 - AB

Test #	PDT start	PDT end	suns	12° LST	12°	sunr	Obs mode	Target	Description / Prerequisites	Priority	Duration	Lead	Clear sky	Laser	
09/07/06			19:13	20:01	23:22	5:31	6:18								
	14:00	14:30	status and safety meeting												
1	17:00	18:00	Laser-BTO alignment		LGS	close	Align 589/660 lasers, test-fire in dome, check laser focus.				1	1.00	AB	N	Y
	18:00	19:00	<i>dinner</i>												
2	19:30	20:15	AO Checkout		NGS	V=8	check seeing, NGS performance.				3	0.75	AB	N	N
3	20:15	21:15	LGS characterization		LGS	zen	Project laser at zenith, focus, measure photometry.				1	1.00	MT	Y	Y
4	21:15	21:45	UTT performance		LGS	zen	Optimize UTT performance.				2	0.50	AB	N	Y
5	21:45	23:15	LGS performance (bright star)		LGS	V=10	Optimize framerate, cent. Offsets, gains (HO & LO)				1	1.50	AB	Y	Y
6	23:15	1:15	LGS science demo observations		LGS	V=15	Image 1-2 science targets.				2	2.00	AB	Y	Y
7	1:15	1:45	Impact of Raleigh on LOWFS		LGS	zen					3	0.50	JR	Y	Y
8	1:45	3:45	LOWFS performance		NGS	V=16	include Acq. Cam sensitivity.				2	2.00	JR	Y	N
9	3:45	5:15	Faint NGS performance		NGS	V=14					3	1.50	CS	N	N

Backup experiments

10	0:00	1:00	HOWFS-laser TT correlation		LGS	V=8					3	1.00	MB	Y	Y
11	1:00	2:30	LGS magnitude vs. B field		LGS	V=8	Measure LGS magnitude at ~15 points over sky				3	1.50	AB	Y	Y
12	2:30	3:30	Acquisition camera calibration		closed	dark	Take acquisition camera darks, flats				3	1.00	AB	N	N
13	3:30	4:30	BTO servo optimization		closed	zen	Optimize BTO servo loop parameters. Need high-power 589.				3	1.00	CS	N	Y
14	4:30	7:30	BTO open-loop control		closed	zen	Slew telescope around dome with BTO loops closed.				3	3.00	AB	N	Y