

Palomar LGSAO test schedule
12 - 14 June 2006 (local)

v1.3: 06/07/06 - AB

Test #	PDT start	PDT end	suns	12°	LST	12°	sunr	Obs mode	Target	Description / Prerequisites	Priority	Duration	Lead	Clear sky	Laser
06/12/06			20:05	21:01	17:39	4:33	5:29								
1	8:00	12:00	Install AO system & LLT					closed	zen		1	4.00		N	N
2	12:00	16:00	BTO open-loop control					closed	slew	Calibrate and test BTO open-loop control.	2	4.00	CS	N	HeN
3	14:00	14:30	Status meeting									0.50			
4	16:00	18:30	Demo BTO control					closed	slew	Demo off-zenith with Na laser. Measure BTO transmission.	1	2.50	CS	N	Na
	18:30	20:30	dinner									2.00			
5	20:30	21:00	AO Checkout					NGS	V=8	check seeing, NGS performance.	3	0.50	AB	N	N
6	21:00	23:00	LLT boresighting					NGS	V=3	Boresigh to 200". Check repeatability vs. elevation.	1	2.00	HP	N	N
7	23:00	0:30	LLT collimation					NGS	V=3	Collimate LLT on a bright star near zenith.	1	1.50	HP	N	N
8	0:30	1:30	LGS acquisition					LGS	zen	Project laser at zenith, focus, measure photometry.	1	1.00	AB	Y	Na
9	1:30	2:30	Laser polarization					LGS	zen	Measure effect of laser polarization on return.	2	1.00	CS	Y	Na
10	2:30	4:30	LGS off-zenith acquisition					LGS	V=12	Demonstrate LGS off-zenith acquisition procedure.	1	2.00	AB	N	Na

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11	12:00	14:00	contingency									2.00			
12	14:00	14:30	Status meeting									0.50			
13	14:30	18:00	contingency									3.50			
	18:00	19:30	dinner							note earlier dinner time		1.50			
14	19:30	20:30	Measure UTT FSM noise					open	zen	Request early dome opening to test UTT with radar on/off.	3	1.00	MT	N	N
15	20:30	21:00	AO Checkout					NGS	V=8	check seeing, NGS performance.	3	0.50	AB	N	N
16	21:00	22:00	LGS acquisition					LGS	zen	Project laser at zenith, focus, measure photometry.	1	1.00	AB	Y	Na
17	22:00	23:30	HO loop optimization					LGS	V=12	Optimize HO loop performance with bright NGS.	2	1.50	MT	Y	Na
18	23:30	0:00	Focus loop optimization					LGS	V=12	Optimize focus loop performance with bright NGS.	2	0.50	AB	Y	Na
19	0:00	3:00	LGS science demo observations					LGS	V=15	Image two science targets (V~15).	1	3.00	AB	Y	Na
20	3:00	4:30	Performance vs. NGS magnitude					LGS	V<16	Measure LGS performance on R=12,14,16,18 stars.	2	1.50	AB	Y	Na

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21	12:00	18:30	contingency					closed			2	6.50		N	N
	18:30	20:30	dinner									2.00			
22	20:30	21:00	AO Checkout					NGS	V=8	check seeing, NGS performance.	3	0.50	AB	N	N
23	21:00	22:00	HOWFS-laser TT correlation					LGS	V=8		3	1.00	MB	Y	Na
24	22:00	4:30	contingency									6.50			

NGS backup experiments

6/8/06 5:57 PM

1	0:00	1:00	Flatmap test	NGS	stars		3	1.00	CS	N	N
2	1:00	2:00	Acquisition camera sensitivity	NGS	stars		3	1.00	AB	Y	N
3	2:00	4:00	LOWFS bandwidth vs. NGS mag.	NGS	8-18		3	2.00	AB	Y	N
4	4:00	5:30	Demo LOWFS dithering	NGS	V=8	Demonstrate dithering with LOWFS on NGS.	2	1.50	JR	N	N