

Palomar LGSAO test schedule
11 - 13 July 2006 (local)

v1.0: 07/07/06 - AB

Test #	PDT start	PDT end	suns	12° LST	12° LST	sunr	Obs mode	Target	Description / Prerequisites	Priority	Duration	Lead	Clear sky	Laser
07/11/06			20:08	21:03	19:33	4:43	5:38							
1	8:00	12:00	Install HOWFS chopper		closed	zen	Install and test chopper, delay line, cover.		1	4.00	JR	N	N	
2	12:00	16:00	Test BTO off-zenith alignment		closed	slew	Test BTO 2-D lookup tables		3	4.00		N		
	14:00	14:30	Status meeting							0.50				
3	16:00	17:00	Acquisition camera calibration		close	dark	Take acquisition camera darks, flats		2	1.00	AB	N	N	
4	17:00	18:00	<i>contingency</i>		closed				1	1.00		N		
	18:00	19:00	dinner							1.00				
5	20:30	21:00	AO Checkout		NGS	V=8	check seeing, NGS performance.		3	0.50	AB	N	N	
6	21:00	22:30	LLT boresighting		NGS	V=3	Boresigh to 200". Check repeatability vs. elevation.		1	1.50	HP	N	N	
7	22:30	0:00	LLT image quality		NGS	V=3	Collimate LLT, measure image quality.		1	1.50	RD	N	N	
8	0:00	1:00	LGS acquisition		LGS	zen	Project laser at zenith, focus, measure photometry.		1	1.00	AB	Y	Na	
9	1:00	2:30	Laser wavelength control		LGS	zen	Test laser wavelength control		2	1.50	EK	Y	Na	
10	2:30	3:30	LGS off-zenith acquisition		LGS	V=10	Demonstrate improved acquisition procedures.		1	1.00	AB	N	Na	
11	3:30	4:45	HOWFS chopper		LGS	V=10	Test HOWFS chopper functionality		2	1.25	JR	N	Na	
07/12/06			20:07	21:02	19:37	4:44	5:39							
12	12:00	18:00	<i>contingency</i>							6.00				
	14:00	14:30	Status meeting							0.50				
	18:00	19:00	dinner				note earlier dinner time			1.00				
13	20:30	21:00	AO Checkout		NGS	V=8	check seeing, NGS performance.		3	0.50	AB	N	N	
14	21:00	22:00	LGS acquisition		LGS	zen	Project laser at zenith, focus, measure photometry.		1	1.00	AB	Y	Na	
15	22:00	0:00	Bright star performance		LGS	V=10	Optimize HO loop performance with bright NGS.		1	2.00	MT	Y	Na	
16	0:00	2:00	Faint star performance		LGS	V=16	Acquire V=14,15,16,17 stars.		2	2.00	MT	Y	Na	
17	2:00	3:00	LGS isoplanatic angle		LGS	V=12	Measure LGS and NGS isoplanatic angles		1	1.00	AB	Y	Na	
18	3:00	4:45	LGS science demo observations		LGS	V=15	Image 2 science targets.		1	1.75	AB	Y	Na	
07/13/06			20:07	21:39	19:41	4:45	5:39							
19	12:00	18:00	<i>contingency</i>		closed				2	6.00		N	N	
	14:00	14:30	Status meeting							0.50				
	18:00	19:00	dinner				note earlier dinner time			1.00				
20	20:30	21:00	AO Checkout		NGS	V=8	check seeing, NGS performance.		3	0.50	AB	N	N	
21	21:00	22:00	LGS acquisition		LGS	zen	Project laser at zenith, focus, measure photometry.		1	1.00	AB	Y	Na	
22	22:00	23:30	Performance vs zenith angle		LGS	V=10			1	1.50	AB	Y	Na	
23	23:30	3:30	LGS science demo observations		LGS	V=15	Image 2-3 science targets.		1	4.00	AB	Y	Na	

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Backup experiments

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	3:30	Demo LOWFS dithering	NGS	V=8	Demonstrate dithering on PHARO.	2	1.50	MT	N	N
4	3:30	4:30	HOWFS-laser TT correlation	LGS	V=8		3	1.00	MB	Y	Na
5	4:30	5:30	LGS magnitude vs. B field	LGS	V=8	Measure LGS magnitude at ~15 points over sky	3	1.00	AB	Y	Na