

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

v2.0: 07/12/06 - AB

Test #	PDT start	PDT end	suns	12° LST	12° LST	sunr	Obs mode	Target	Description / Prerequisites	Priority	Duration	Lead	Clear sky	Laser
<b>07/11/06</b>			20:08	21:03	19:33	4:43	5:38							
	day						closed	zen	Switch to Na dichroic spot	1	2.00	JR		
	day						closed	slew	Debug new software build	2	2.00	MT		
	day						closed	zen	Install HOWFS chopper	2	4.00	JR		
	day						closed	zen	Test BTO	3	2.00	JA		
	day						cloase	dark	Acquisition camera calibration	3	1.00	AB		
	14:00	14:30							<b>Status meeting</b>		0.50			
	18:00	19:00							dinner		1.00			
1	20:30	21:00					NGS	V=8	AO Checkout	3	0.50	AB	N	N
2	21:00	22:30					NGS	V=3	LLT boresighting	1	1.50	HP	N	N
3	22:30	0:00					NGS	V=3	LLT image quality	1	1.50	RD	N	N
4	0:00	0:30					NGS	V=3	Final BTO alignment	1	0.50	RD	N	N
5	0:30	1:30					LGS	zen	LGS characterization	1	1.00	AB	Y	Na
6	1:30	2:30					LGS	V=10	LGS off-zenith acquisition	1	1.00	AB	N	Na
7	2:30	3:45					LGS	V=10	HOWFS chopper	2	1.25	JR	N	Na
<b>07/12/06</b>			20:07	21:02	19:37	4:44	5:39							
	day								etalon control		8.00			
	day								Test BTO off-zenith control		2.00			
	day								Measure beam quality at LLT		2.00			
	day								Measure BTO transmission		1.00			
	14:00	14:30							<b>Status meeting</b>		0.50			
	18:00	19:00							dinner		1.00			
1	20:30	21:00					NGS	V=8	AO Checkout	3	0.50	AB	N	N
2	21:00	22:00					LGS	zen	LGS characterization	1	1.00	AB	Y	Na
3	22:00	23:00					LGS	zen	LGS spot size	1	1.00	RD	Y	Na
4	23:00	0:00					LGS	V=10	LGS off-zenith acquisition	2	1.00	AB	N	Na
5	0:00	1:00					LGS	V=10	Bright star performance	1	1.00	MT	Y	Na
6	1:00	3:00					LGS	V=16	Faint star performance	2	2.00	MT	Y	Na
7	3:00	4:45					LGS	V=15	LGS science demo observations	2	1.75	AB	Y	Na

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20:07 21:39 19:41 4:45 5:39

day	contingency	closed												
	14:00	14:30	<b>Status meeting</b>							2	6.00		N	N
	18:00	19:00	dinner								1.00			
1	20:30	21:00	AO Checkout	NGS	V=8	check seeing, NGS performance.				3	0.50	AB	N	N
2	21:00	22:00	LGS characterization	LGS	zen	Project laser at zenith, focus, measure photometry.				1	1.00	AB	Y	Na
3	22:00	23:30	Performance vs zenith angle	LGS	V=10					1	1.50	AB	Y	Na
4	23:30	0:30	LGS isoplanatic angle	LGS	V=12	Measure LGS and NGS isoplanatic angles				1	1.00	AB	Y	Na
5	0:30	4:30	LGS science demo observations	LGS	V=15	Image 2-3 science targets.				1	4.00	AB	Y	Na

**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