

Palomar LGSAO test schedule
5- 7 September 2006 (local)

v1.1: 08/30/06 - AB

Test #	PDT start	PDT end	suns	12°	Test Name	12°	sunnr	Obs mode	Target	Description / Prerequisites	Priority	Duration	Lead	Clear sky	Laser
09/04/06															
1	8:00	18:00			Laser performance optimization			N/A	N/A		1	10.00	EK	N	Y
2	19:00	22:00			BTO Coude alignment			NGS	V=3	Co-align 589/660 lasers, polar axis, collimated. Requires JC.	1	3.00	AB	N	Y
09/05/06															
			19:16	20:03	23:14	5:29	6:17								
1	8:00	10:00			Install LLT			closed	zen		1	2.00	RT	N	N
2	10:00	12:00			AO software testing			closed	zen	Telemetry tests? Acq?	1	2.00	TT	N	N
3	10:00	12:00			BTO software checkout			closed	zen	Test BTO software with 660nm laser on Q3 - need CSFL off.	2	2.00	JA	N	660
4	12:00	14:00			LLT alignment to 660nm laser			closed	zen	Need CSFL off.	3	2.00	AB	N	660
	14:00	14:30			status and safety meeting							0.50			
5	16:00	18:00			Test-fire laser in dome			closed	zen		3	2.00	AB	N	Y
	18:00	19:00			dinner							1.00			
6	19:30	20:00			AO Checkout			NGS	V=8	check seeing, NGS performance.	3	0.50	AB	N	N
7	20:00	22:00			LLT boresighting			NGS	V=3	Boresigh to 200". Check repeatability vs. elevation.	1	2.00	HP	N	N
8	22:00	23:00			LGS characterization			LGS	zen	Project laser at zenith, focus, optimize & photometry.	1	1.00	AB	Y	Y
9	23:00	0:00			LLT image quality optimization			LGS	zen	Check collimation on LGS	1	1.00	AB	N	Y
10	0:00	0:30			Chopper background experiment			LGS	zen	Test HOWFS chopper background techniques	2	0.50	JR	N	Y
11	0:30	1:30			LGS acquisition (bright star)			LGS	V=10	Demonstrate acquisition procedures. Include LOWFS dither.	1	1.00	MT	N	Y
12	1:30	3:30			LGS performance (bright star)			LGS	V=10	Optimize...	1	2.00	AB	Y	Y
13	3:30	5:00			LGS performance (faint star)			LGS	V=16	Optimize...	2	1.50	AB	Y	Y
14	5:00	5:30			SSM field of regard			NGS	V=10		3	0.50	MT	N	Y
09/06/06															
			19:15	20:02	23:18	5:30	6:18								
	14:00	14:30			status and safety meeting							0.50			
1	16:00	18:00			Measure BTO transmission			closed	zen	Measure BTO transmission at 589nm (need IR blocker?)	3	2.00	AB		
	18:00	19:00			dinner							1.00			
2	19:30	20:00			AO Checkout			NGS	V=8	check seeing, NGS performance.	3	0.50	AB	N	N
3	20:00	22:00			LOWFS performance			NGS	V=16		2	2.00	MT	Y	N
4	22:00	23:00			LGS characterization			LGS	zen	Project laser at zenith, focus, optimize & photometry.	1	1.00	AB	Y	Y
5	23:00	23:30			Impact of Raleigh on LOWFS			LGS	V=16		2	0.50	MT	N	Y
6	23:30	2:30			LGS science demo observations			LGS	V=15	Image 2-3 science targets.	2	3.00	AB	Y	Y
7	2:30	4:30			Faint NGS performance			NGS	V=14		2	2.00	CS	N	N
8	4:30	5:30			NGS flat maps			NGS	V=8		2	1.00	CS	N	N

09/07/06

19:13 20:01 23:22 5:31 6:18

	14:00	14:30	status and safety meeting					0.50			
1	16:00	17:00	Acquisition camera calibration	closed	dark	Take acquisition camera darks, flats	3	1.00	AB	N	N
	18:00	19:00	dinner					1.00			
2	19:30	20:00	AO Checkout	NGS	V=8	check seeing, NGS performance.	3	0.50	AB	N	N
3	20:00	20:15	contingency					0.25			
4	20:15	21:15	LGS characterization	LGS	zen	Project laser at zenith, focus, measure photometry.	1	1.00	AB	Y	Na
5	21:15	3:15	LGS science demo observations	LGS	V=15	Image 2-3 science targets.	2	6.00	AB	Y	Na
6	3:15	4:15	UTT performance	LGS			3	1.00	MT	N	Y

Backup experiments

1	0:00	1:00	Acquisition camera sensitivity	NGS	stars		3	1.00	AB	Y	N
2	1:00	2:00	HOWFS-laser TT correlation	LGS	V=8		3	1.00	MB	Y	Na
3	2:00	3:30	LGS magnitude vs. B field	LGS	V=8	Measure LGS magnitude at ~15 points over sky	3	1.50	AB	Y	Na