

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

v1.2: 10/10/06 - AB

Test #	PDT start	PDT end	suns	12° LST	12° LST	sunr	Obs mode	Target	Description / Prerequisites	Priority	Duration	Lead	Clear sky	Laser
10/10/06														
1	9:00	17:00					N/A	N/A		1	8.00	AM	N	N
2	9:00	17:00					N/A	N/A	loop	1	8.00	VV	N	N
3	9:00	17:00					closed	zen	Calibrate zenith position, check Q1 & Q2 servo loops	1	8.00	AB	N	660
10/11/06														
			18:27	19:14	1:36	5:55	6:42							
1	8:00	10:00					closed	zen		1	2.00	RT	N	N
2	8:00	10:00					N/A	N/A	Install new PC for HOWFS and LOWFS	1	2.00	MT	N	N
3	10:00	14:00					closed	zen	Check alignment, signal levels with 660nm laser	1	4.00	TT	N	660
4	10:00	14:00							Co-focus HOWFS, LOWFS, and PHARO	1	4.00	MT	N	N
	14:00	14:30							status and safety meeting		0.50			
5	14:30	16:00					closed	zen	In coude lab	3	1.50	AB	N	660
6	16:00	17:30					closed	zen	Low laser power. Align to BTO & LLT	3	1.50	AB	N	Y
	17:30	18:30							dinner		1.00			
7	17:30	18:30					closed	N/A		3	1.00	RB	N	N
8	18:30	20:30					closed	zen	High laser power. Test signal levels, alignment of LLT diag.	3	2.00	AM	N	Y
9	20:30	21:00					NGS	V=8	check seeing, NGS performance.	3	0.50	AB	N	N
10	21:00	22:30					NGS	V=3	LLT boresighting & image quality with new camera optics	3	1.50	HP	N	N
11	22:30	0:00					LGS	zen	Project laser at zenith, focus, optimize & photometry.	1	1.50	MT	Y	Y
12	0:00	1:30					LGS	V=10		1	1.50	MT	Y	Y
13	1:30	4:30					LGS	V=16	V=14.0, 15.0, 16.0, 17.0	2	3.00	AB	Y	Y
14	4:30	7:30					LGS	V=15	Observe 2 targets.	2	3.00	AB	N	Y
10/12/06														
			18:26	19:12	1:40	5:56	6:42							
	14:00	14:30							status and safety meeting		0.50			
1	14:30	17:30							contingency		3.00			
	17:30	18:30							dinner	1	1.00			
2	19:00	19:30					NGS	V=8	check seeing, NGS performance.	3	0.50	AB	N	N
3	19:30	21:30					NGS	V=16	continue LOWFS performance test from Sep. run	2	2.00	JR	Y	N
4	21:30	22:30					LGS	zen	Project laser at zenith, focus, optimize & photometry.	1	1.00	MT	Y	Y
5	22:30	23:00					LGS	zen		2	0.50	JR	Y	Y
6	23:00	0:00					LGS	zen	determine what is limiting UTT performance	2	1.00	AB	Y	Y
7	0:00	2:00					LGS	zen	determine what is limiting UTT performance	2	2.00	AB	Y	Y
8	2:00	3:30					LGS	V=10		1	1.50	MT	Y	Y

9	3:30	4:00	Acquisition camera sensitivity	NGS	V=18		3	0.50	MT	N	N
10	4:00	6:00	NGS low-light tests	NGS	V=15		3	2.00	CS	N	N

10/13/06

18:25 19:11 1:43 5:57 6:43

	14:00	14:30	status and safety meeting					0.50			
1	14:30	17:30	<i>contingency</i>					3.00			
	17:30	18:30	<i>dinner</i>					1.00			
2	19:00	19:30	AO Checkout	NGS	V=8	check seeing, NGS performance.	3	0.50	AB	N	N
3	19:30	20:30	LGS characterization	LGS	zen	Project laser at zenith, focus, optimize & photometry.	1	1.00	MT	Y	Y
4	20:30	22:30	LGS isoplanatism	LGS	V=15	Compare LGS and NGS isoplanatic angles	3	2.00	AB	Y	Y
5	22:30	0:30	LGS performance vs. airmass	LGS	V=10	el=90,60,45	2	2.00	AB	Y	Y
6	0:30	4:30	LGS science observations	LGS	V=15	Observe 3 targets.	2	4.00	AB	N	Y

Background experiments

1			Aircraft camera sensitivity	NGS			2		JC	N	N
2			Laser diagnostics benches	LGS			2		AM	N	Y

Backup experiments

1	0:00	2:00	LOWFS focus performance	NGS	V=17		2	2.00	JR	N	N
2	2:00	3:00	Acquisition camera sensitivity	NGS	stars		3	1.00	AB	Y	N
3	3:00	4:00	HOWFS-laser TT correlation	LGS	V=8		3	1.00	MB	Y	Y
4	4:00	5:30	LGS magnitude vs. B field	LGS	V=8	Measure LGS magnitude at ~15 points over sky	3	1.50	AB	Y	Y
5	5:30	7:30	Faint NGS performance	NGS	V=14		2	2.00	CS	N	N
6	7:30	9:30	LOWFS deflection vs. elev.	WL			2	2.00	CS	N	N
7	9:30	11:30	Field-dependent focus on LOWFS	WL			2	2.00	CS	N	N