

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

v1.2: 10/10/06 - AB

Test #	PDT start	PDT end	Test Name					Obs mode	Target	Description / Prerequisites	Priority	Duration	Lead	Clear sky	Laser
			suns	12°	LST	12°	sunr								
10/12/06			18:26	19:12	1:40	5:56	6:42								
1	17:45	19:00	Align LLT diagnostics bench					closed	zen		1.25	AM			
2	18:45	19:00	Align laser to BTO					closed	zen	confirm alignment in Coude lab	1	0.25	AB	N	Y
3	19:00	20:00	Test-fire laser in dome					closed	zen	test-fire laser, check focus, signal on LLT diag. cameras	1	1.00	AB	N	Y
4	20:00	20:30	AO Checkout					NGS	V=8	check seeing, NGS performance.	3	0.50	AB	N	N
5	20:30	21:30	LGS characterization					LGS	zen	Project laser at zenith, focus, optimize & photometry.	1	1.00	MT	Y	Y
6	21:30	23:00	LGS performance (bright star)					LGS	V=10	Acquire star, optimize loops.	1	1.50	MT	Y	Y
7	23:00	2:00	LGS performance (faint star)					LGS	V=16	V=14.0, 15.0, 16.0, 17.0	2	3.00	JR	Y	Y
8	2:00	5:00	LGS science observations					LGS	V=15	Observe 3 targets.	2	3.00	AB	N	Y
9	5:00	5:30	Impact of Raleigh on LOWFS					LGS	zen		2	0.50	JR	Y	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	1:00	UTT performance					LGS	zen	determine what is limiting UTT performance	2	1.00	AB	Y	Y
2	1:00	3:00	LLT flexure test					LGS	zen	determine what is limiting UTT performance	2	2.00	AB	Y	Y
3	3:00	5:00	LOWFS performance					NGS	V=16	continue LOWFS performance test from Sep. run	2	2.00	JR	Y	N
4	5:00	7:00	NGS low-light tests					NGS	V=15		3	2.00	CS	N	N
5	7:00	9:00	LOWFS focus performance					NGS	V=17		2	2.00	JR	N	N
6	9:00	10:00	Acquisition camera sensitivity					NGS	stars		3	1.00	AB	Y	N
7	10:00	11:00	HOWFS-laser TT correlation					LGS	V=8		3	1.00	MB	Y	Y
8	11:00	12:30	LGS magnitude vs. B field					LGS	V=8	Measure LGS magnitude at ~15 points over sky	3	1.50	AB	Y	Y
9	12:30	14:30	Faint NGS performance					NGS	V=14		2	2.00	CS	N	N
10	14:30	16:30	LOWFS deflection vs. elev.					WL			2	2.00	CS	N	N
11	16:30	18:30	Field-dependent focus on LOWFS					WL			2	2.00	CS	N	N
12	18:30	20:30	LGS isoplanatism					LGS	V=15	Compare LGS and NGS isoplanatic angles	3	2.00	AB	Y	Y
13	20:30	22:30	LGS performance vs. airmass					LGS	V=10	el=90,60,45	2	2.00	AB	Y	Y
14	22:30	2:30	LGS science observations					LGS	V=15	Observe 3 targets.	2	4.00	AB	N	Y