

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

v1.0: 10/02/06 - AB

Test #	PDT start	PDT end	suns	12°	LST	12°	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		1	8.00	HP	N	N
3	9:00	17:00						N/A	N/A	Reinstall optical isolator, align laser, test data logging	1	8.00	VV	N	N
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	10:00	14:00						closed	zen	Need CSFL off.	1	4.00	TT	N	660
3	10:00	14:00						closed	zen	Need CSFL off.	2	4.00	JA	N	660
	14:00	14:30								status and safety meeting		0.50			
4	14:30	16:00						closed	zen	Need CSFL off.	3	1.50	AB	N	660
5	16:00	17:30						closed	zen	Check alignment, test diagnostics.	3	1.50	AB	N	Y
	17:30	18:30								<i>dinner</i>		1.00			
6	19:00	19:30						NGS	V=8	check seeing, NGS performance.	3	0.50	AB	N	N
7	19:30	21:00						NGS	V=3	LLT boresighting & image quality with new camera optics	3	1.50	HP	N	N
8	21:00	22:30						LGS	zen	Project laser at zenith, focus, optimize & photometry.	1	1.50	MT	Y	Y
9	22:30	0:00						LGS	V=10		1	1.50	MT	Y	Y
10	0:00	3:00						LGS	V=16	V=14.0, 15.0, 16.0, 17.0	2	3.00	AB	Y	Y
11	3:00	6:00						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								<i>contingency</i>		3.00			
	17:30	18:30								<i>dinner</i>	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	1:30						LGS	V=10		1	1.50	MT	Y	Y
8	1:30	6:00						LGS	V=15	Observe 2 targets.	2	4.50	AB	N	Y

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