

Palomar LGSAO test schedule
23-25 August 2007 (local)

v1.2: 08/20/07 - AB & JR

Spotters requested 1930 - 05:30 PDT (on station 20:15 - 05:20)

Test ID	PDT start	PDT end	Test Name					Obs mode	Target	Description	Priority	Duration	Lead	Clear sky r0>10cm	Laser		
	suns	12°	LST	12°	sunr												
08/23/07			19:33	20:22	22:21	5:19	6:08										
1	9:00	13:00	Install LLT					closed	zen		1	4.00	Sweet	N	N	N	
2	13:00	16:00	AO bench setup and checkout					closed	zen	Check DAD, WFSs, chopper & delay generator.	1	3.00	Roberts	N	N	N	
3	13:30	17:30	Prepare laser for observing					closed	NA	Final adjustment and testing of laser, control loops.	1	4.00	Tripathi	N	N	N	
	15:30	16:00	status and safety meeting									0.50					
4	16:00	16:30	Set up & test safety systems					closed	NA	Install hazard signs, barriers and test interlocks.	1	0.50	Cromer	N	N	N	
5	16:30	17:30	BTO & LLT alignment					closed	zen	Check BTO and align LLT with stimulus laser.	1	1.00	Roberts	N	N	660	
6	17:30	18:30	Laser/BTO/LLT integrated test					closed	zen	Verify laser alignment to BTO in Coude, Dome, LLT.	1	1.00	Bouchez	N	N	Y	
	18:30	19:30	dinner									1.00					
7	20:00	20:30	AO Checkout					NGS	V=8	Measure seeing, NGS performance.	1	0.50	Hickey	N	N	N	
8	20:30	21:30	LGS acq. & LLT boresighting					LGS	zen	Measure LGS size & flux at zenith; adjust boresighting if needed.	1	1.00	Bouchez	N	N	Y	
9	21:30	23:30	LLT image quality					LGS	V=3	Compare LLT NGS imaging and LGS image quality	3	2.00	Bouchez	N	Y	Y	
10	23:30	1:00	Circular polarization exp.					LGS	zen	Repeat Jul. 06 exp. Requires person at PF. V filter on Acq.	2	1.50	Bouchez	Y	N	Y	
11	1:00	5:00	LOWFS performance					LGS	V=17	Observe LGS targets with V=11,15,16,17,18 tip/tilt stars	2	4.00	Roberts	Y	Y	Y	
12	5:00	5:30	LOWFS vignetting					NGS	V=10	Take final few data points	3	0.50	Roberts	N	N	N	
08/24/07			19:31	20:20	22:25	5:20	6:09										
1	15:30	17:30	Prepare laser for observing					closed	NA	Check laser power, wavefront quality, frequency lock.	1	2.00	Tripathi	N	N	N	
	15:30	16:00	status and safety meeting									0.50					
2	16:00	16:30	Set up & test safety systems					closed	NA	Install hazard signs, barriers and test interlocks.	1	0.50	Cromer	N	N	N	
3	16:30	17:30	BTO & LLT alignment					closed	zen	Check BTO and align LLT with stimulus laser.	1	1.00	Bouchez	N	N	660	
4	17:30	18:30	Laser/BTO/LLT integrated test					closed	zen	Verify laser alignment to BTO in Coude, Dome, LLT.	1	1.00	Bouchez	N	N	Y	
	18:30	19:30	dinner									1.00					
5	20:00	20:30	AO Checkout					NGS	V=8	Measure seeing, NGS performance.	1	0.50	Hickey	N	N	N	
6	20:30	21:30	LGS acquisition & checkout					LGS	V=11	Measure LGS size & flux at zenith; performance on V=11 NGS.	1	1.00	Roberts	Y	N	Y	
7	21:30	23:00	Isoplanatic angle					LGS	V=15	Measure LGS & NGS isoplanatic angle.	3	1.50	Bouchez	Y	Y	Y	
8	23:00	5:30	LGS science demo					LGS	V=16	Observe science targets.	2	6.50	Cameron	Y	Y	Y	

08/25/07			19:30	20:19	22:29	5:21	6:09					
1	15:30	17:30	Prepare laser for observing	closed	NA	Check laser power, wavefront quality, frequency lock.	1	2.00	Tripathi	N	N	N
	15:30	16:00	<i>status and safety meeting</i>					0.50				
2	16:00	16:30	Set up & test safety systems	closed	NA	Install hazard signs, barriers and test interlocks.	1	0.50	Cromer	N	N	N
3	16:30	17:30	BTO & LLT alignment	closed	zen	Check BTO and align LLT with stimulus laser.	1	1.00	Bouchez	N	N	660
4	17:30	18:30	Laser/BTO/LLT integrated test	closed	zen	Verify laser alignment to BTO in Coude, Dome, LLT.	1	1.00	Bouchez	N	N	Y
	18:30	19:30	<i>dinner</i>					1.00				
5	20:00	20:30	AO Checkout	NGS	V=8	Measure seeing, NGS performance.	1	0.50	Hickey	N	N	N
6	20:30	21:30	LGS acquisition & checkout	LGS	V=11	Measure LGS size & flux at zenith; performance on V=11 NGS.	1	1.00	Roberts	Y	N	Y
7	21:30	5:30	Shared-risk Science	LGS	V=17	LGS-AO Multiplicity and Planet Formation at Bottom of IMF	1	8.00	Cameron	Y	N	Y