

February 7, 2006 Palomar LGS IPT Meeting Minutes

A. Bouchez, 2/7/06

Caltech: Bouchez, Cromer, Morrissett, Roberts, Troy, Flicker

Palomar: Henning, Thicksten

JPL: Shelton

TMT: Ellerbroek

1. Review Test Plans for 9-11 Feb. Engineering Run

Walked through proposed test schedule. Particular emphasis on sequencing daytime engineering work on first and second days. Version 2 of test schedule is included below.

Palomar NGS AO test schedule

v2.1: 02/06/05 - AB

9 - 11 Feb 2006 (local)

Test #	PDT start	PDT end	Test Name					Obs mode	Target	Description / Prerequisites
			suns	12°	LST	12°	sunr			
02/09/06			17:34	18:21	9:34	5:42	6:29			
1	10:00	13:00	Install MGSU electronics					closed		In parallel, install LOWFS baffle, test with white light (JR).
2	13:00	16:00	MGSU checkout					closed		
	16:00	18:00	dinner							
3	18:00	18:30	AO checkout					NGS	V=8	
4	18:30	22:30	Safety system testing					NGS	V=8	Monitor air traffic with ASCAM, IRCAM, and RADAR
5	18:30	23:30	MGSU experiments					NGS	aster	
6	23:30	1:30	LOWFS pupil stability					NGS	calib	Pupil centration vs. telescope attitude (could be done in daytime if avail.)
7	1:30	4:30	LOWFS performance					NGS	calib	Record TT performance for V=8,10,12,14,16,17,18
8	4:30	5:30	contingency							
02/10/06			17:34	18:22	9:38	5:41	6:29			
1	0:00	1:00	Install new DAC card					closed		
2	1:00	4:00	BTO open-loop alignment					closed		In parallel, LOWFS pupil alignment (JR)
	4:00	6:00	dinner							
3	6:00	6:30	AO checkout					NGS	V=8	
4	6:30	10:30	Safety system testing					NGS	V=8	Monitor air traffic with ASCAM, IRCAM, and RADAR
5	6:30	11:30	MGSU experiments					NGS	aster	
6	11:30	13:00	Dual NGS mode checkout					NGS	V=8	
7	13:00	16:30	LOWFS performance 2					NGS	?	Record focus, TT performance in dual NGS
8	16:30	17:30	contingency							

Caltech Optical Observatories
Palomar Adaptive Optics

02/11/06 17:35 18:23 9:41 5:40 6:28

1	13:00	16:00	BTO open-loop alignment	closed		
	16:00	18:00	dinner			
2	18:00	18:30	AO checkout	NGS	V=8	
3	18:30	22:30	Safety system testing	NGS	V=8	Monitor air traffic with ASCAM, IRCAM, and RADAR
4	18:30	23:30	MGSU experiments	NGS	aster	
5	23:30	5:30	<i>contingency</i>			

Backup tests

1			Diagnose system crashes	closed	stim	Point telescope around dome in daytime.
2			Science	NGS		Joe Carson (good seeing only), Matthew Britton isoplanatism experiment?

2. Personnel Schedules

Velur, Roberts, and Flicker going up early Thu. 2/9 for MGSU and LOWFS setup. Bouchez and Morrisett following later in day. Morrisett returning to Pasadena Fri. 2/10.

3. OIR Plone Site overview

Demonstrated OIR Plone site. Some discussion regarding relative merits of Plone and DocuShare followed. Cost is not main driver – ease of use and organization more critical. Agreed on need for better documentation, and to try out Plone for a short time, then evaluate best system to use for this project.