August 29, 2006 Palomar LGS IPT Meeting Notes

A. Bouchez, 8/29/06

Caltech: Bouchez, Cromer, Petrie, Moore, Shelton, Troy, Velur

Palomar: Doyle, Henning

JPL: Trinh

1. Announcements

- Please pay Antonin for LGS T-shirts if you have not already done so (\$7.28 each).
- We are still waiting to hear about funding for next year from JPL.
- Jenny is stocking up AO lab with cabinets, tools, fasteners, optics. Please let her know if you have requests (eg. replacement equipment for Palomar e-lab.)

2. Address any issues which came up during the laser move on 8/28

Report by Viswa on how it went:

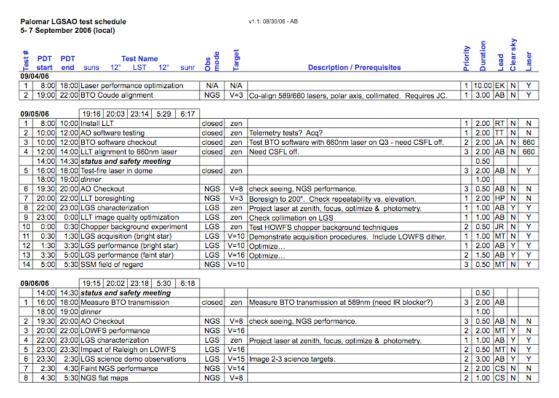
- o Move went well. Weighed bench, took it upstairs. Curtains were installed in afternoon.
- New platorm worked fine, small chiller is one step down from previously, may not have the head to maintain pressure. This needs to be checked.
- Steve will install three new 208V circuits in the Coude lab before run, and extend the power cords on the new drivers.
- o Laser was moved towards polar axis by 24", still isolated from platform.

3. September engineering run experiment schedule

We discussed v1.0 of the engineering schedule. The following issues were raised:

- Software tests Tue. afternoon may include nodding with the LOWFS (would need to perform small moves with telescope).
- LLT collimation adjustment may be best done by observing the out-of-focus laser image on the mesosphere.
- o Installation of the LLT safety apertures will be Thu. or Fri. of this week, by HP.
- Time devoted to NGS tests is insufficient probably need to observe stars of several different magnitudes. These tests depend on progress on software and reconstructors.
- o Anna will take a look at LLT diagnostics bench space considerations on Wed. morning.
- AB needs to verify that spotters have been arranged.
- Key switch functionality has been changed. JC to check whether Standard Operating Procedures have been updated, and make revisions before run.
- We requested that AO be installed on telescope on Fri. 9/1. This is constrained by software work on AO system on Thursday, and holiday weekend. A. Pickles to contact observers to check if this is OK.

And updated version of the schedule is reproduced in Figure 1 below. For the most recent, please see http://www.oir.caltech.edu/twiki oir/bin/view.cgi/Palomar/PalmLGS/Eng 060905.



8/30/06 10:26 AM

Figure 1: Draft schedule for the first two nights of the September LGS engineering run.