

November 27, 2006 LGS Facility IPT Meeting Notes

A. Bouchez 11/27/06

Caltech: Angione, Bouchez, Cromer, Dekany, Guiwits, Pickles.

Palomar: Doyle, Henning, Roberts.

JPL: Shelton.

1. Laser diagnostics

- Anna and Hal installing bench on LLT Thursday.
- Still awaiting AR coated replacement wedge and collimating optics. These are not crucial for run, but may arrive in time to be installed.
- Anna looked at Pulnix-LLT alignment procedure over past few days, and understands better why tolerances seemed poor. We need to determine what the alignment requirements are (Chris mentioned a 22" radius instantaneous FOV for the LLT).
- This week, before taking bench to Palomar
 - Check where S-H camera is eventually going to go
 - Tune up alignment of the bench.
 - Photodiode electronics need to be trouble-shooted.
 - Working on getting images into labview.
- Anna will rebuild Coude diag. bench on Monday - AB to send photos of 594nm stimulus bench setup.

2. Laser

- Renu, Antonin and John H. will try to fix SFG heater problem on Tuesday.
- Chris available through to work on laser Wed-Thu.
- Ed arrives at Palomar Saturday.
- How do we define success with the laser? Suggested 6 W stable 589nm power.

3. LGS Computer

- All structures (1 Hz, 10Hz, 500Hz) have been tested and appear to work.
- AO computers will be available for testing with BTO on Thursday.
- Could we make telescope moves on Thursday? Will let observatory know Thus.
- Hardware orders:
 - AB to order a spare McShane controller
 - SG to price a spare ESP300.
 - SG to price a new digital I/O card.
- Need to coordinate with Anna regarding camera ethernet communications during run.

4. BTO

- Worked on BTO late messages to AODR last week. When computers synched, unable to reproduce the problem. With computers unsynched, problem recurred.
- Changes to AODR on the schedule have been made.
- Installed new parallel port terminal module.
- Request to John H: Is there any way to test parallel port output (to laser shutter) on Thur.
Joh H: yes.

5. December engineering run coordination

Personnel	Mon 12/4	Tue 12/5	Wed 12/6	Thu 12/7
Angione		X	X	X
Bouchez		X	X	X
Cromer	X	X	X	X
Dekany			X	X
Guiwitz		X	X	X
Kibblewhite	X	X	X	X
Moore	X	X	X	X
Petrie				
Roberts		X	X	X
Shelton				
Trinh				
Troy				
Velur				

We will meet Wednesday morning to discuss the draft experiment schedule.