

August 7, 2007 Laser IPT Meeting Minutes

A. Bouchez

Caltech: Bouchez, Petrie, Roberts
Palomar: Tripathi
Chicago: Kibblewhite
Action items are underlined.

1. Status of previous items

- AOM oscillator: Renu requested quote from IntraAction. Jenny will purchase it (on JPL budget) as soon as we get a quote.
- There are no Zemax licenses available to borrow from COO. AB to request that Palomar purchase one. Cost is \$2000.
- LLT image quality analysis:
 - JR to check whether 640nm long-pass filter provides sufficient image quality.
 - AB to purchase long-pass filter.
 - AB to check with Mitch for shift-and-add software for Pulnix video.
- Steve Kunsman has modified the LLT harness to stabilize the LLT with the diagnostics bench attached.

2. Laser status and plans

- RT worked on 1.06 laser alignment last week. Pulse shape and mode-locking performance is much improved. Power 18.0 W.
- On Saturday, dome air conditioners failed. Laser chillers cannot be used until they are back online. Palomar crew expect to complete repairs by 8/14.
- All agreed that documentation of laser is a major priority over the next few months. Need to formulate a plan on who writes what sections of the "book".
 - EK to determine if any documentation provided by vendors is in Chicago.

3. Schedule for next 3 weeks

- 8/8-8/13: RT out of town.
- 8/14: Replace flow switches with Steve Einer.
 - RT to purchase plumbing connectors this week.
- 8/15-8/17: Replace LBO crystal, measure conversion efficiency, and final alignment of laser for August observing run.
- 8/20-8/21: Laser wavefront quality tests on 8/20-8/21 (pending JR schedule).
- 8/23-8/26: LGS observing run.

Next meeting will be Thursday, 8/16 at 9:00am
Meeting adjourned at 9:45 am.