6/5/06 Laser Schedule Teleconference Notes

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Needed purchases

- New oscilloscope for spectrum analyzer. Need to choose between freestanding or PC interface. VV to determine specifications.
- New etalons for both IR lasers. EK and VV to determine specifications this week.

Laser tasks for June 6-14

Prior to observing run:

1. 6/6 10:00am: Start up CSFL at low power (<1W) for BTO experiments (VV).
2. Install new pressure manifold on CSFL pressure vessel.
3. Install dial gauge on 1.32 um etalon.
4. Reinstall near- and far-field cameras.
5. Switch back to Lyntron chiller.
6. Install LiIO3 crystal in 1.06 um laser when it arrives.
7. Optimize power output and beam quality.
8. Calibrate photodiodes and test data logging system.

Independent of observing run:

1. Clean up laser lab in preparation for optical bench setup.
2. Move Neslab chiller to laser lab.
3. Install power drivers in laser lab.
4. Assemble cooling system for testing Mach-3 gain modules.

Changes to current development schedule

- The first Mach-3 gain module will not be ready for testing next week. The review of the test setup and gain module performance, which had been scheduled for 6/14, will have to slip until mid-July.
- Automation of the etalons, scheduled to occur just after the June observing run, is delayed until the strategy for correcting the laser bandwidth has been finalized.

AB will prepare and distribute a new schedule to reflect these changes.