

Palomar Adaptive Optics Test Plan

Title	Laser shut-down
Version	1.0
Date released	8/12/2007
Lead	V. Velur
Time requested	10 minutes
Required conditions	N/A

Purpose

Safely shut down laser and ancillary equipment, both on a daily basis and at the end of an observing run.

Test procedure

Daily shut-down procedure

1. Turn both mode locker "Power Adjust" knobs to 0.
2. Block both IR beams.
3. Adjust laser function generator to 10 Hz pulse rate (=1 on knob).
4. Press "STOP" on both Analogue Modules power supplies.
5. Turn off key switch on both power supplies.
6. Press blue button on laser controller ("Bypass Flow"). Verify that pressure and flow go to near zero.
7. Turn Na cell temperature controller off (hit "enable" to turn off).
8. Turn both chillers off (same button as turn-on).

Additional long-term shut-down procedure

1. Turn off power meter.
2. Turn off all three photodiodes (1.06, 1.32, 1.06 diode).
3. Turn off oscilloscope.
4. Close laptop, turn off monitors.
5. Return second oscilloscope to E-lab.
6. Replace plexiglass lids on laser. Tape side should be on top.
7. Empty trash
8. Turn out lights.

Results and conclusions