

## Palomar Adaptive Optics Test Plan

<b>Title</b>	<b>BTO shutdown</b>
Date	Last night of observing run
Lead	Laser Operator
Time requested	1 hr
Required conditions	N/A

### **Purpose**

Shut down and protect optics and electronics of the BTO.

### **Test procedure**

#### Prime Focus

Requires: Kimwipes, tape, compressed air, 0.05" allen key, radio.

1. Dust off LLT primary and install primary mirror cover.
2. Turn off LLT FSM controller (on/off switch on front of controller).
3. Dust off LLT FSM and install blue metal cover (stored in box in PF elevator, tiny screws require 0.05" allen key).
4. Wrap up Q3 beamsplitter with kimwipe and tape.
5. Wrap up LLT diagnostics beamsplitter wedge with kimwipe and tape.

#### Trolley

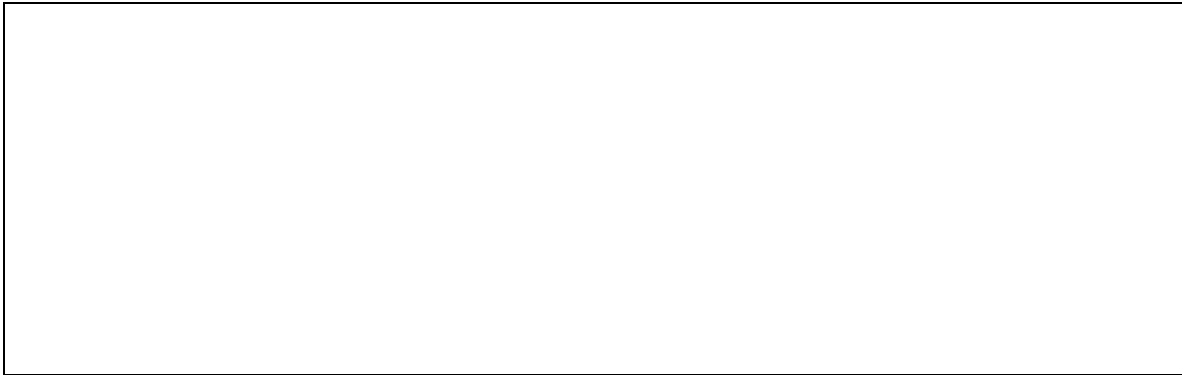
Requires: Kimwipes, tape, compressed air.

1. Sent trolley to bottom of track (move trolley 5100000).
2. Dust and cover trolley mirror with kimwipe and tape.
3. Dust and cover Q1 beamsplitter with kimwipe and tape.
4. Send trolley to storage position (move trolley 2650000).
5. Turn off all BTO electronics on network power switch:
  - 5.1. telnet viswa\_power; /off 2, 3, 4, 6; /x

#### Coude Lab

Requires: Nuthin'

1. Turn off 660nm laser power supply (on/off button on front).
2. Turn off Newport FSM controller, ESP300 controller, and delay generator.
3. *Cover BTO optical bench.*
4. Turn off tiny switches on backs of both microphones, and turn off microphone power supply.



**Results and conclusions**

