

Palomar LGSAO Engineering Summary 09/21/07 UT

Afternoon:

- Laser power 5.2 W, stable. Trouble with 1.06um laser today; came up at 1W; now ~9.5W.
- Some trouble with BTO actuators. M2y and M3x both required multiple resets before they would run.

Night log:

1920 Humidity dropping: opening dome.
1928 Restarting AO system; telemetry apparently dead.
1933 Starting NGS checkout on SAO 67256
1945 AO telemetry crash while taking background with TAO.
1950 Restarting AO.
2005 NGS Strehl is 7%; seeing 1.43" in K. Calling spotters in
and giving up on laser projection for now. Reverting to NGS
backup program.
2120 Seeing 1.33" in K.
2200 Closing dome due to high humidity.
0220 Sending AB to top of dome to cover ASCAM with black tarp for
ASCAM darks. Darks successful.
0253 LGS observers abandoning ship.
0255 Calling night for laser.