

Palomar LGSAO Engineering Summary 04/05/07 UT

Afternoon:

- Procedures for engineering tests before science developed and posted on the Wiki site.
- BTO tests with stimulus laser uncovered the cause of last night's BTO control problems. Files have been restored and BTO alignment looks good.
- Laser at 4W (NLX temp. control problems)
- Laser aligned to BTO.

Night log:

1930 Thick high clouds keep us from opening.
1945 Renu working on laser to get the power up.
2000 Laser is ready; 6.3 W and very stable.
2005 Aligning laser to BTO.
2030 Laser alignment complete.
0117 Starting LOWFS flexure test. LOWFS telemetry crash detected. Restarting AO.
0214 Actually starting LOWFS flexure test.

background frames: 6-8

Start		End		PHARO
Dec	HA	Dec	HA	frames
-20	-2.0	-20	2.0	57-90
-10	3.0	-10	-3.0	91-143
0	-3.5	0	3.5	152-203
10	4.0	10	-4.0	204-267
20	-4.5	20	4.5	283-352
30	4.75	30	-4.75	353-railed
30	-4.75	30	4.74	453-524
40	5.0	40	-5.0	525-611
50	-5.25	50	5.25	612-693
60	5.5	60	-5.5	694-778

0315 Calling night for the laser due to thick high clouds.