

LBT Observing Log: 2025 Nov 16 UT

Observers: Jenny Power

Partner Observer: Mark Whittle, Yifan Zhou

Telescope Operator: Riccardo Ansaldi

Plan:

We plan to start with PEPSI tonight and observe OSU BHBinaries and UVA Multistar targets and switch to PEPSI POL at approximately 4:00 UT. Fingers crossed for not so terrible weather.

If we open, a possible sequence for PEPSI POL is:

OSU_WMB: HD 4628 1.5hr

OSU_WMB: HD 16160 1.0 hr

OSU_Hyades: HD 284785 0.7 hr

OSU_Hyades: HD 284653 1.4 hr

OSU_Hyades: HD 285630 1.4 hr

OSU_WMB: HD 38858 1.5 hr

OSU_WMB: HD 50692 1.5 hr

(total ~ 9 hours).

Summary:

Forecasts are varying from mostly cloudy to mostly clear so we are on the edge. Seeing is predicted to be worse to start, ~1.3" then improving as the night progresses.

Issues:

- LUCI1 MOS unit temporarily offline to an issue moving mask into FPU

Weather:

Overview:

23:07 UT MOS error on LUCI1 when moving the blind mask to the FPU

- Failed at rotator transport to FPU. Working to recover.

- Recovered but it reoccured
- Called Dave and he had a similar issue with Mobius the other day. I hva recovered and just parked the blind mask. I will try with another mask in a little bit.

00:03 UT Riccardo is doing his test preset.

00:11 UT AGW3 was powered off for some reason and is showering a cooling flow error. I think the cooling flow issue may be related to a bad sensor on the PC Enclosure Temp but Riccardo and Elliott are verifying.

00:21 UT Moving the 1" mask into the FPU. Failed. LUCIs are not in the plan for tonight so I'll write up an IT and we can investigate further tomorrow. Calibrations postponed.

00:39 UT Rain is visible on the satellite and from the summit windows so we will remain closed. Complete overcast at the moment

02:04 UT Still overcast. Humidity has levelled off at 77%. There was one measurement of cyclope between the clouds reporting 1.42", but the clouds closed in again. No precipitation yet, the satellite shows a nearby band.

03:55 UT Humidity is up to 93%. Winds are coming up. Overcast.

09:00 UT night has been called