

LBT Observing Log: 2025 JUL 06 UT

Observers: Alex Becker, Ilya Ilyin
Partner Observer: Dominick Rowan
Telescope Operator: David Gonzalez Huerta

Plan:

All PEPSI. Prioritizing 4 PEPSI-POL targets for OSU_WMBStokes targets.
Rest of time filled with BHBinaries, MWAbund, Multistar, etc.

OSU_WMBStokesV/HD173701 (1.68 hours clouded out)
OSU_WMBStokesV/HD178428 (1.38 hours clouded out)
~~OSU_WMBStokesV/HD182572 (1 hour)~~
OSU_WMBStokesV/HD190007 (1.55 hours)
gamma Equ (Pol standard)

Swap to PFU
Ilya ToO

Summary:

We got one target tonight and have been weathered out (clouds) for most of the night.

PEPSI log:

https://drive.google.com/file/d/1mCOxMr15BP_rTmXwooNmNSGQ41yuRsUG/view?usp=sharing

Issues:

PEPSI-POL pointing model is not ideal. SX was right at the edge, but we (Ilya) was able to move it enough to acquire a target

Weather:

Closed until ~08:00 UT for clouds. Opened when mostly clear, 13.3C, 58% humidity, wind 3m/s
@ 230deg, Seeing DIMM 0.8", GCS 0.6"-0.7"

Overview (times are given in UT):

02:37 Closed at sunset due to clouds

05:26 Opening

05:43 Closing

07:57 Opening

PEPSI-POL

OSU_WMBStokesV

Seeing 0.8"

HD 182572

08:24 Preset

Pointing model could be better. We are just at the edge on SX. Ilya was able to move it on the hotspot

HD 190007

09:23 Preset

GCS 0.5"-0.6"

09:49 Clouds are coming in again from the south. Variable extinction up to 0.7mag. But only lasted a few minutes (<5min)

09:58 Lost the target due to clouds. Closing.

We got the first two exposures for this target