

LBT Observing Log for 2024 03 14

Observers: Jason Chu

Partner Observer: Rick Pogge (OSU)

Telescope Operator: Steve Allanson

Plan:

Plan is for LBC and MODS to start with LUCI and PEPSI in standby. If the dome is closed for weather we'll work through remaining MODS closed-dome calibrations and LUCI darks. If we can open we'll work through MODS, LBC, and PEPSI programs as conditions permit.

Summary:

No observing due to high winds and high humidity enshrouding the observatory in fog for most of the night. Took LUCI darks and finished closed-dome MODS dual grating mode slit flats.

Issues:

Weather:

At sunset, we had high humidity (~90%) and high winds (gusting 27.6 m/s, steady state 20 m/s), and high clouds passing overhead. Gave way to completely fogged in, though wind slackened a little it still gusted above limits at times. Called the night at 9UT, seeing frost formation in fog.

Overview (times are given in UT):

LUCI Darks

01:26 Sunset, high humidity (88%), and high winds (20-22 m/s), bands of cirrus

02:01 Taking LUCI darks for the UM/OSU_XMDs_LUCI program

02:20 **12-degree twilight**

02:48 **18-degree twilight**

04:20 [SA] foggy but not much frost yet

04:23 Taking MODS slit flats (1.0 and 1.2 arcsec slit, dual grating mode, both channels

09:00 Night called on account of high humidity and frost formation (98% humidity and -5C)

