

LBT Observing Log: 2025 Jul 08 UT

Observers: Alex Becker

Partner Observer: Dominick Rowan

Telescope Operator: David Gonzalez Huerta

Plan:

If PEPSI is not happening: Start with LUCI, then go to LBC

ND_sn25fw/sn25fw_zJspec (0.77 hours)

ND_sn25fw/sn25fw_HK_spec (0.77 hours)

UVa_nirjets/G58_77 (1.24 hours)

UVa_nirjets/IRAS20343 (1.24 hours)

OSU_monitor/N6946 (0.66 hours)

If it is UT 9:45, OSU_monitor/monIN672 (0.66 hours)

Else do OSU_monitor/N6503 (0.33 hours)

If PEPSI is happening:

OSU_WMBStokesV/HD140538 (1.38 hours)

UM_PEPSITCrB/TCrB (1.12 hours)

OSU_WMBStokesV/HD173701 (1.68 hours)

Summary:

Observed:

ND_sn25fw/sn25fw_zJspec

ND_sn25fw/sn25fw_HK_spec (

UVa_nirjets/G58_77

Otherwise closed due to clouds

Issues:

Still some troubleshooting with PEPSI Mike and Joe disconnected the temperature sensor and Ilya is able to reach all modules via the web interface. However, the CCDs should be warm by now (unknown without the temperature sensor) and we will not be able to use PEPSI tonight.

Weather:

Few scattered clouds when opening. 14.5C, humidity 54%, wind 66m/s @ 330deg,

Overview (times are given in UT):

01:11 LUCI 1 & 2 init all

Calibrations

LUCI

UVa_nirjets

darks

UVa_BCD

darks

02:40 Opening

ND_sn25fvw

sn25fvw_zJspec

03:06 Preset

RTD for LUCI1 is really slow. LUCI2 ok

03:44 Switching to robs1 and starting fresh. Something was not right. But clouds are also building up right where we are pointing at...

03:53 I can't see anything in the confirmation image with 1.5" seeing and clouds. We will just hope for the best and take the spectra. We don't have other options.

04:00 **Closing due to clouds**

04:32 Opening again

It looked like the target is brightest in z band. Changing acquisition to z instead of J and doubling the exposure time

04:39 Preset

Still some thin clouds at our pointing position. But seeing 0.6"-0.7"

05:15 Switching to HKspec

05:34 **Closing again due to threatening clouds.** We missed the last two exposures

Unfortunately, we also missed the window for the telluric

UVa_nirjets

G58_77 (1.24 hours)

08:00 Opening again

08:11 Preset

08:14 Didn't find the GS on SX. Pointing check
Seeing 0.8"

08:20 Preset

GCS on DX is doing something strange and likes to form sausages out of our guide star. Maybe the WFS is impacted by the moon.

08:47 We had a short period (2-3 minutes) of clouds with up to 2mag of extinction moving through while observing BrG+H2. But seeing is around 0.5". Taking two more exposures

09:22 Rotator failed on both sides. Lost preset

09:26 Sending preset again. We will end up with one additional exposure for J+H

09:44 Some scattered clouds again with up to 4-mag of extinction

09:46 Offset failed because of clouds.

09:48 Sending offset again

10:00 We finished the script and ended with clouds and 4mag of extinction. Closing for now

03:43 We are done for tonight. 12 deg twilight is in 30 minutes

Calibrations

LUCI

ND_SN2025fvw

Arcs & flats G200 zJspec

Arcs & flats G200 HKspec