

LBT Observing Log for 2024 10 10 UT

Observers: Alex Becker

Partner Observer: Michael Tucker

Telescope Operator: Josh Williams

Plan:

Summary:

PEPSI log:

<https://drive.google.com/file/d/1CHg1jVazfakDrNHIXAvnhP6PwfG1sbYD/view?usp=sharing>

Issues:

07:21 MODS2B had some sort of a hiccup after taking two correct 15 minute exposures of the target. For the third exposure it changed the object to one of last night's targets (ASASSN-24fw Acquisition) and exposure time to 30 seconds. In the GUI the Binning X and Y setting was in red.

At 07:19 a few communication timeouts are in the Communication Log, but nothing in the terminal that would indicate a communication issue. It is unclear to me why it tried to revert to an observation/settings ~21h ago).

No issues with MODS2R.

Reported under IT #6570

Weather:

Start of the night: Cloudy, 14.4°C, humidity 31.3%, 4.5 m/s @ 350°, seeing 0.9"

partly cloudy throughout the night with sub-arcsecond seeing.

End of the night: clear, seeing 0.55"

Overview (times are given in UT):

00:40 MODS awake, LBCs turned on, LUCI initialized

modsSimSnap: ok

LUCI had MOS unit status unknown. Fixed by DT

LBC 2 bias bino checkout: ok

00:46 Starting with LUCI darks. They will take a long time (~2h), but I can always stop if the sky clears up. It is cloudy right now and it is not very likely that we will open at sunset

01:30 It was clear for a few minutes around sunset, but we could already see new clouds forming and coming in from the east. We reconfigured from LBC to PEPSI in anticipation of a cloudy night

Waiting and continuing taking LUCI darks

02:44 LUCI darks are done.

03:37 Opening

PEPSI

03:43 Pointing check

03:47 Initial collimation

BHBinaries

2MJ23125684+5904206

03:49 Preset

03:50 Starting science exposure

Seeing ~0.9"

Only some thin clouds. A few tenth of magnitude of extinction

2MJ22533651+6349467

04:05 Preset

04:06 Starting science exposure

2MJ22532039+5658004

04:20 Preset

04:21 Starting science exposure

LiDwarfs

2MJ01064189-0027182

04:33 Preset
Waiting for WFS

04:37 Starting science exposure

05:07 Reconfig to MODS

MODS

05:21 Pointing check

05:24 Collimation preset

UVa_BCD

J0006_1

05:27 Preset
J0006_1.acq

offsetxy 3.345 8.862 rel

05:40 Starting science script
J0006_1.obs

Seeing ~0.7", light cirrus

Some nice emission lines in the first spectrum

06:30 Seeing 0.5" on the guider

J0004_2

06:32 Preset
J0004_4.acq

06:39 red fitsflush

offsetxy 3.566 8.841 rel

06:44 Starting science script
J0004_2.obs

Lots of emission lines.

07:21 MODS2B had some sort of a hiccup. After taking two correct 15 minute exposures of the target. For the third exposure it changed the object to one of last night's targets (ASASSN-24fw Acquisition) and exposure time to 30 seconds. It was not the last target we observed with MODS. In the GUI the Binning X and Y setting was in red.

At 07:19 a few communication timeouts are in the Communication Log, but nothing in the terminal that would indicate a communication issue. However, it is unclear why it tried to revert to an observation/settings ~21h ago.

OSU_SCAT

2024xal LS

07:42 Preset
2024xal_UT0800.acq

offsetxy 3.4000 9.414 rel

07:51 Starting science script
2024xal_LS.obs

2024any imaging

08:04 Starting script 2024any_IM.img
We still have some clouds coming through here and there.

2024pjl imaging

08:23 Starting script 2024pjl_IM.img

2024pjl LS

08:53 Preset

2024pjl_UT0900.acq

offsetxy 3.373 7.468 rel

09:01 Starting science script

2024pjl_LS.obs

10:39 We still have clouds passing through from time to time. Up to 1.5mag extinction

2023ufx LS

10:54 Preset

2023ufx_UT1000.acq

11:03 red fitsflush

offsetxy 3.499 9.913 rel

added another deltax +0.11"

11:10 Starting science script

2023ufx_LS.obs

No clouds during this last observation and seeing around 0.55"

12:17 Done!

12:18 Turning LBCs off

12:29 Putting MODS to sleep

12:30 Taking LUCI LampCals

12:44 Calibrations done. Putting LUCI into a safe state