LBT Observing Log for 2024 06 28 UT

Observers: Andrew Cardwell
Partner Observer: Marshall Johnson (remote), with Connor Basinger and Calder Lenhart
Telescope Operator: Steve Allanson.

Plan:

If weather clears up, start with PEPSI on OSU BHBinaries, UM TCrB, and ND cluster targets. Switch to MODS if conditions allow.

NOTE:

- **We have the flat on DX, the DX adsec is unavailable.**

Summary:

Whole night was lost to monsoon conditions.

Issues:

Weather:

Overview (times are given in UT):

01:50 Thick cloud. Bringing up MODS.

02:33 Running simSnap, init_all on both mods, powering on LBCs.

02:37 **Sunset**. Remaining closed due to cloud and nearby rain. Running mods biases.

02:48 Reconfiguring to PEPSI as it is likely to be the most suitable instrument for the conditions.

03:35 **12 degree twilight**.

04:13 **18 degree twilight**.

05:22 Conditions are unchanged.

09:34 Clouds are thinning a little. The satellite animation does not give much chance for hope, but we will stick with it.

10:32 **18 degree twilight**.

10:52 We are calling the night. It is still heavily clouded and the satellite animation gives no sign of hope in the little time we have left. Putting MODS to sleep, safing LUCI, and powering off LBCs.

11:10 **12 degree twilight**.

12:08 **Sunrise**.

For LUCI2 G200
  Start observing binocularly
  Insert pause after first spec DIT
  Check carefully the first spectrum from luci2
    If shifted, switch to mirror and back
    Take short exposure, deep enough to confirm position
    If still shifted, try:
      Run: /lbt/lbto/luci/L2G200 -r 1.17
        # replace 1.17 with requested central wavelength
      On HIRAMO gui, enter the second voltage in closed loop operation
      Take short exposure, deep enough to confirm position
If OK, resume