

LBT Observing Log for 2024 09 18 UT

Observers: Andrew Cardwell

Partner Observer: Dom Rowan (remote)

Telescope Operator: Josh Williams.

Plan:

PEPSI DX all night!

Vega standard

1833-1154

1633+2744

1831+4448

1843+4356

1754+4135

1914+4601

1910+4944

1938+4708

NOTE:

- We have the flat on DX, the SX adsec is unavailable.
- The humidity sensor at the telescope is broken. Using sensors from VATT & SMT.

Summary:

The night was lost to bad weather. Thick cloud and high humidity (from the VATT and SMT sensors) all night.

Issues:

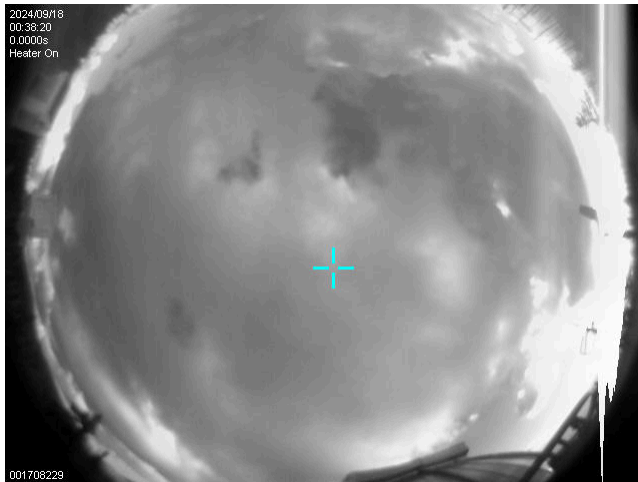
The humidity sensor is not providing data, IT #9183.

Weather:

Thick cloud and high humidity all night.

Overview (times are given in UT):

00:39 Humidity at the SMT is 90%, the sky is fully clouded out.



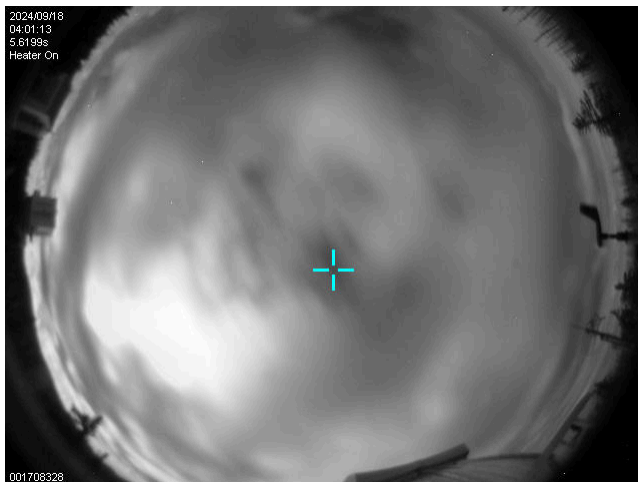
01:28 Sunset.

01:40 **Remaining closed due to high humidity.**

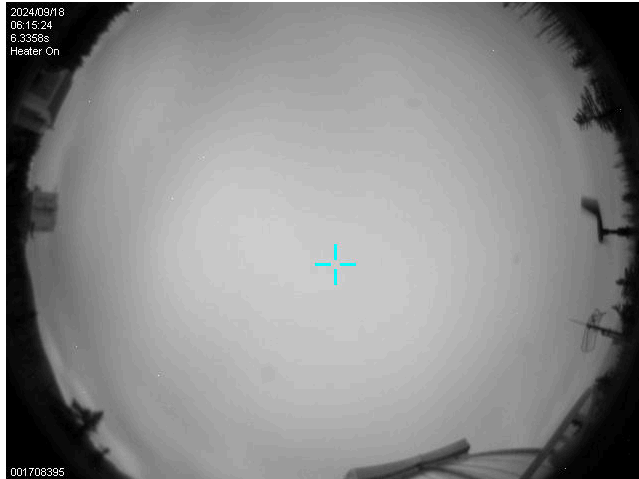
02:17 12 degree twilight.

02:46 18 degree twilight.

04:04 Clouds and high humidity persist.



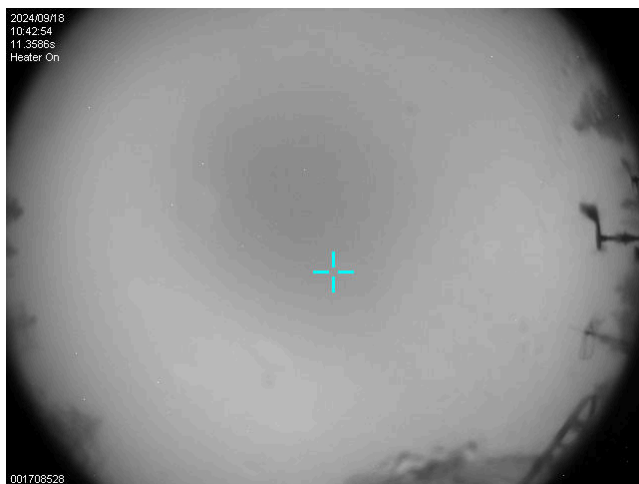
06:19 The moon is back there somewhere... (We are also well over the humidity shutdown limit.)



08:05 Conditions are unchanged.



10:46 Conditions are unchanged. There is condensation or rain on the all sky camera. It's reasonable to assume that the roof of the enclosure is wet.



11:17 **We are calling the night.** There is no sign of improvement, and the enclosure is wet.

11:42 18 degree twilight.

12:11 12 degree twilight.

13:00 Sunrise.