OSURC Nightlog 20220630 UT

Observer*: Jenny Power
Lead Partner Observer*: Don Terndrup
Telescope Operator: David Gonzalez Huerta
*** = from home**

Plan:

Plan to start with MODS

Summary:

We opened for 2 sucker holes that were long enough to acquire on targets before closing again. Clouded out all night with heavy, variable cloud cover.

Issues:

None

Weather:

Tonight's forecast: A 40 percent chance of showers and thunderstorms. Mostly cloudy, with a low around 54. Southwest wind 5 to 10 mph, becoming light and variable.

Overview (times are given in UT):

0:49 MODS awake and checked out with simSnap. Both luci's have been started up and test darks taken. Threatening clouds on the summit.

2:02 David has completed a test preset with mods. I have closed the hatch again post test preset, putting them back in calibration mode. Conditions are threatening cloud overhead.

3:01 humidity is now pegged at 100%. Heavy cloud cover overhead.

3:10. Humidity is variable bouncing between 85-100%

3:50 Humidity down to 72% and satellite is showing clouds dissipating, although there are still a number of heavy clouds to the south west in particular on the all sky cam.

4:24 Looks to be clearing out. The satellite shows the cloud cover dissipating. Humidity at 70%. Some clouds passing through from the south west, but after this band we may be in the clear.

4:47 Clouded back over with that band, we will see what follows….

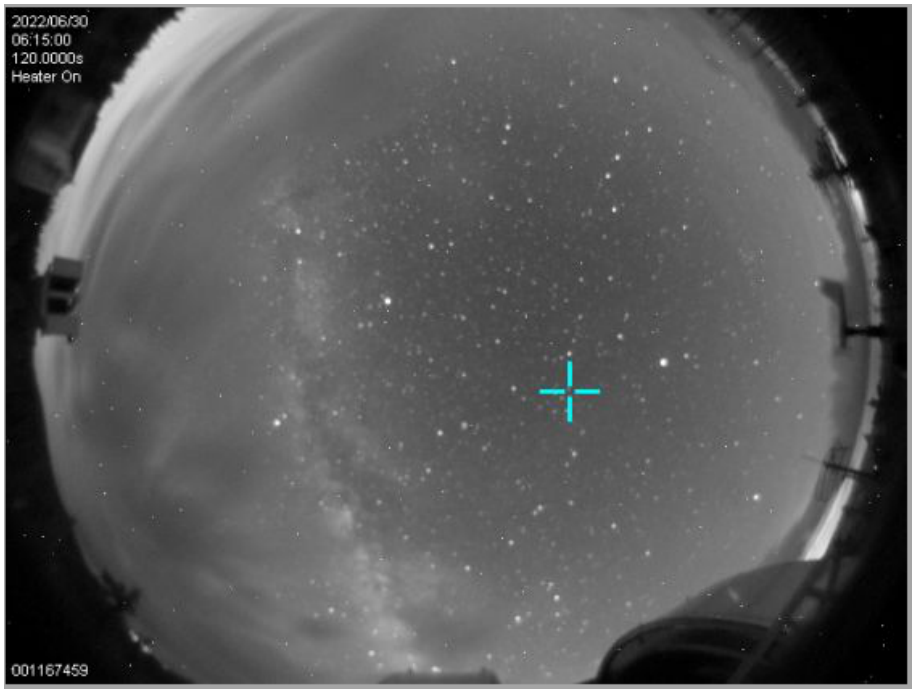
5:27 Things appear to be clearing. Unable to get a hold of David on the summit. I'm getting a hold of the mountain manager for assistance

5:43 Mike found David. He was in the shower and will be out momentarily.

5:50 David's back and will open us up. Some clouds along the horizon but mostly clear overhead. Humidity 75%

6:04 Pointing and collimating. DX struggled to converge. Finally converged with seeing 1.2-1.4" on both sides.

Standard - BD33
6:18 Sending preset to BD33. Clouds starting to move back in



MODS1: Object centroid: X=507.05+/-0.05 Y=528.31+/-0.08

Target selection done.

Computed Slit Alignment Offset:
  dX = -0.719 arcsec

dY = 11.260 arcsec

MODS1 Offset Command:
offsetxy -0.719 11.260 rel

MODS2:Computed Slit Alignment Offset:
dX = 3.939 arcsec
dY = 7.994 arcsec

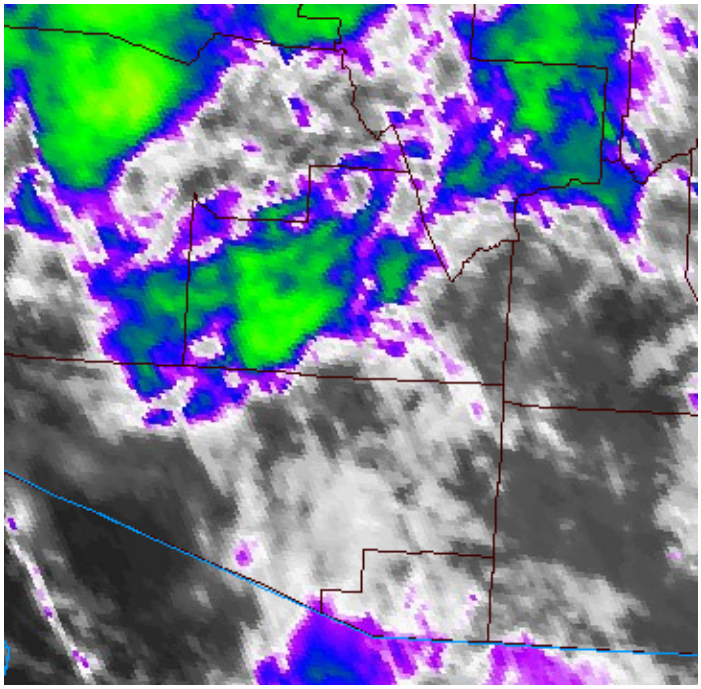
MODS2 Offset Command:
offsetxy 3.939 7.994 rel
Additional offset
Computed Slit Alignment Offset:
dX = -0.665 arcsec
dY = 0.154 arcsec

MODS2 Offset Command:
offsetxy -0.665 0.154 rel

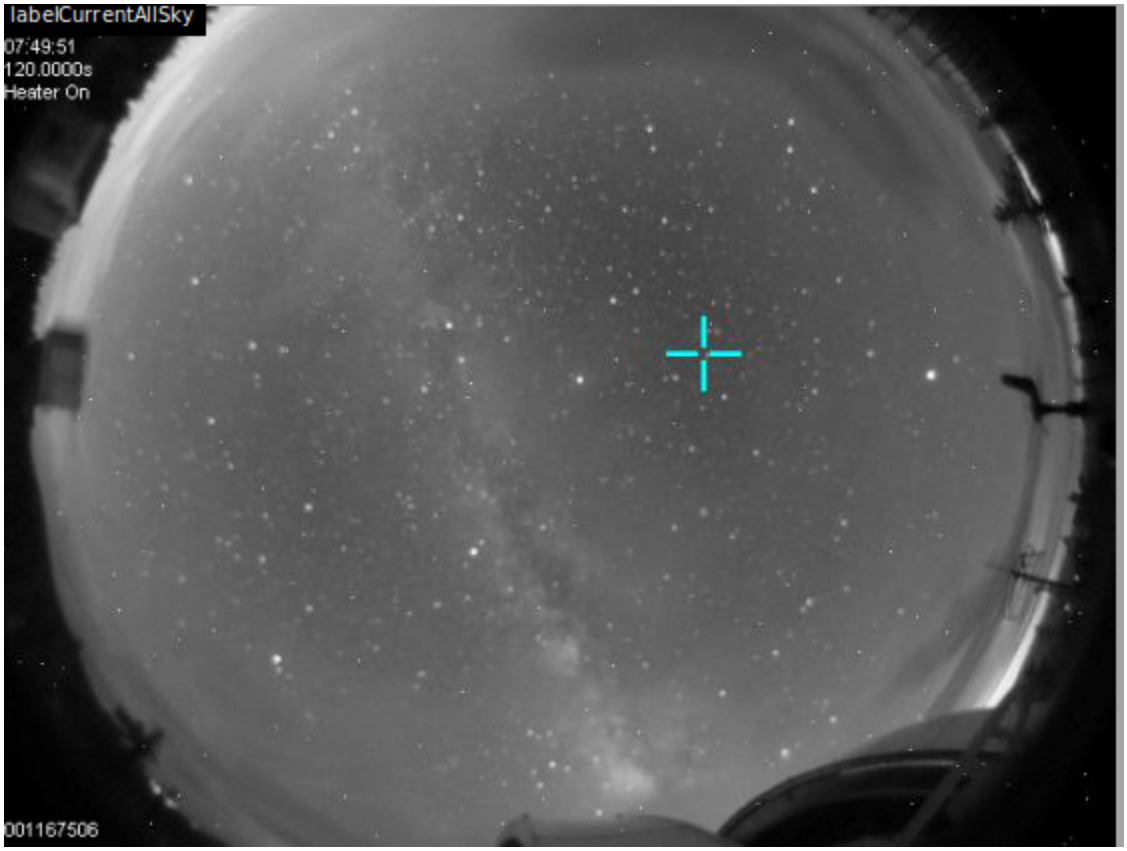
6:26 We are closing just as we finished acquisition. Thick clouds moved in

6:57 Humidity has started ticking up, up to 83.7% and slowly rising.

7:16 Clearing again, although there is a large mass forming on the satellite just to the north west. We will wait a few more frames and assess reopening.



7:49 Opening. Clouds appear to be holding off, some cloud overhead.



7:54 Pointing and collimating. The right struggled a little to collimate, the left is running away this time. Seeing is 1.2” on the right, 1.3 on the left

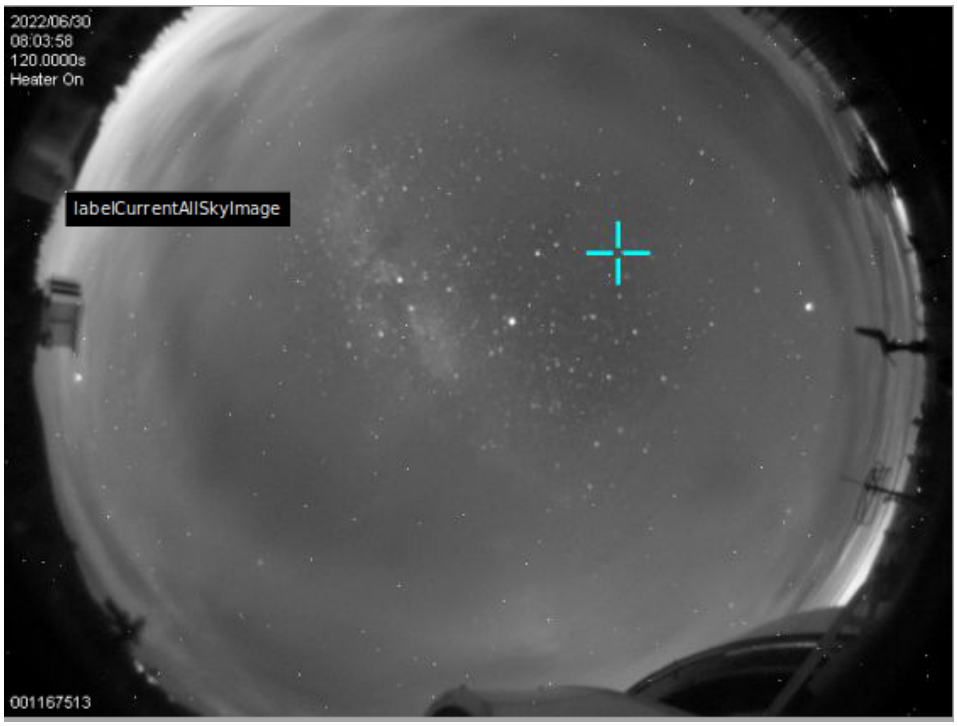
8:00 Preset to ASASSN20hx
MODS1:Computed Slit Alignment Offset:
  dX = -0.581 arcsec
  dY = 11.823 arcsec

MODS1 Offset Command:
  offsetxy -0.581 11.823 rel

MODS2:
Computed Slit Alignment Offset:
  dX = 3.440 arcsec
  dY = 8.364 arcsec

MODS2 Offset Command:
  offsetxy 3.440 8.364 rel

8:08 Guide star lost because of thick clouds. Closing again.



9:47 Somewhat clearing overhead. Clouds all around along the horizon suggesting this is another sucker hole.

9:52 Humidity is rising, looks like more clouds are coming in, and there are little to no targets available so we are going to call it a night.

10:00 Night called. More clouds have moved in.