

C19 Observer: Andrew Cardwell (From obs1, x2go session 51)

Partner Observer(s): Dominick Rowan (OSU), Anusha Pai Asnodkar (OSU)

Telescope Operator: David Gonzalez Huerta

Plan:

We begin with PEPsi PFU. Conditions are cloudy, with a high probability of rain. The satellite images strongly suggest that clouds will be an issue all night.

Plausible plan for the night (assuming the latest possible start for BD 49256):

OSU_PETS

OSU_FGKBDS

OSU_BHBinaries

UM_Nova

UVa_Multistar

All times in UTC

- (If dome opens in time for partial transit, 03:50 at the latest): TOI-1518 until 06:40
 - Proceed with V_V478_Lyr
- (If dome opens too late for TOI-1518 b, but early for the plan below):
StKM1-1526 for 1.25 hours
- 05:20 - 06:00: BD 49256
- 06:10 - 06:21: V_V478_Lyr
- 06:31 - 07:51: TYV5213-545-1
 - Alternatively
 - 06:10 - 06:35: 58 Aql
 - 06:45 - 07:55: V1405Cas
 - But we should prioritize OSU/ND and I'm also less certain about how this program works
- 08:01 - 08:12: J2028 4048
- 08:22 - 09:02: CD-24_407
- 09:12 - 09:30: J1947 7731
- 09:40 - 09:50: V_HN_Peg
- 10:00 - 10:23: J0139-0020
- 10:33 - 10:50: J0521 0243
- 11:00 - 11:08: TIC367448265short
- 11:18 - 11:26: TIC200094011short
- 11:36 - 11:44: TIC389836747short

Observed and completed:

None

Summary: Cloud, humidity above shutdown limits, and intermittent rain all night. No data collected.

Issues:

MODS1B is available with a workaround for the IMCS issue.

Overview (times are given in UT):

00:26 94% humidity and rising. Some sky is visible at the moment, but the satellite animation shows thicker clouds on the way. Rain has been reported on the summit.

00:46 Bringing up MODS. 97% humidity. 100% clouded out.

00:52 MODS are awake, running sieveSnap.

01:02 Taking a full MODS bias sequence. 98% humidity.

01:19 100% humidity.

01:36 Sunset.

01:38 Rick was online and talked us through the workaround for the mods1b imcs issue. For convenience I have temporarily set up the following:

```
alias fixit='modsCmd --modsl blue seqinit'
```

02:18 100% cloud, 96% humidity.

02:25 12 degree twilight.

02:55 18 degree twilight.

03:03 100% clouded out, 100% humidity.

04:04 Conditions are unchanged.

06:22 Conditions are unchanged.

07:52 Conditions are unchanged.

08:54 Conditions are unchanged.

10:01 Conditions are unchanged.

11:26 It's raining again.

11:29 We have called the night. It is currently raining, we see no chance of improvement within the next hour. MODS have been put to sleep.

11:38 18 degree twilight.

12:07 12 degree twilight.

12:56 Sunrise.