

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

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

Telescope Operator: David Gonzalez Huerta , Riccardo Ansaldi

Plan:

We begin with PEPSI PFU. The prediction is for clouds and high humidity 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: The entire night was lost to bad weather.

Issues:

MODS1B is available with a workaround for the IMCS issue.

Overview (times are given in UT):

00:44 97% humidity, thick cloud.

00:56 Riccardo and David are performing test presets.

01:35 Sunset. Remaining closed due to cloud and high humidity.

02:16 Rain on the summit.

02:24 12 degree twilight.

02:50 93% humidity and rising. Thinner cloud, but very hazy.

02:53 18 degree twilight.

03:38 90.5% humidity.

03:58 Fully clouded out again, 91.5% humidity. The satellite images appear to be much clearer, but it seems that low clouds are generating as the prevailing wind hits the mountain range.

04:22 96.5% humidity, 100% clouded out.

04:57 100% humidity, 100% clouded over.

06:10 Hazy, 100% humidity.

07:50 More rain.

08:00 Thunder & lightning.

08:30 The rain is heavy. The telescope is being brought to the horizon to allow the crane troughs to be deployed. (This is a leak mitigation procedure in the telescope enclosure.)

09:00 Rain is increasing

10:20 There is still rain on the all-sky camera cover, and presumably on the enclosure too.
100% humidity.

11:35 We have called the night, there is no possibility of getting on sky at this point.

11:39 18 degree twilight.

12:08 12 degree twilight.

12:57 Sunrise.