

# LBT Observing Log: 2026 01 18 UT

Observers: Jason Chu

Partner Observer: Jennifer Johnson, Tawny Sit

Telescope Operator: Jon Rees

## Plan:

### PEPSI

UVa\_Multistar/TIC260056937

OSU\_BHBinaries/2874619553924994432 (RA: 23:57:56.74)

UVa\_Multistar/TIC283940788

OSU\_BHBinaries/2503004277506117760 (RA: 02:30:45.48)

OSU\_BHBinaries/2498804967722006912 (RA: 02:43:48.79)

OSU\_BHBinaries/2508739330156508672 (RA: 01:41:31.29)

OSU\_BHBinaries/2506054288401820544 (RA: 01:49:09.15)

OSU\_BHBinaries/2951402574065062016 (RA: 06:24:45.76)

OSU\_BHBinaries/2951302415428197120 (RA: 06:26:47.65)

OSU\_BHBinaries/2915546125492264320 (RA: 05:48:40.73)

OSU\_BHBinaries/2914377546492902144 (RA: 05:48:31.90) - if not yet 6:30 UT

UVa\_Multistar/TIC78568780

UVa\_Multistar/HIP34214 - RV standard

OSU\_BHBinaries/2922301421855085824 (RA: 06:56:21.21) - can do before TIC if not yet 6:30

UT

OSU\_BHBinaries/2921495273676931968 (RA: 07:00:07.80)

OSU\_BHBinaries/5727804158735006592 (RA: 08:08:02.76)

OSU\_BHBinaries/5737345926794450816 (RA: 08:58:19.06)

### Switch to LBC ~7:30ish UT

OSU\_monitor/N3077

OSU\_monitor/N3489

OSU\_monitor/N4395 - zenith limited ~11:30-12:30 UT

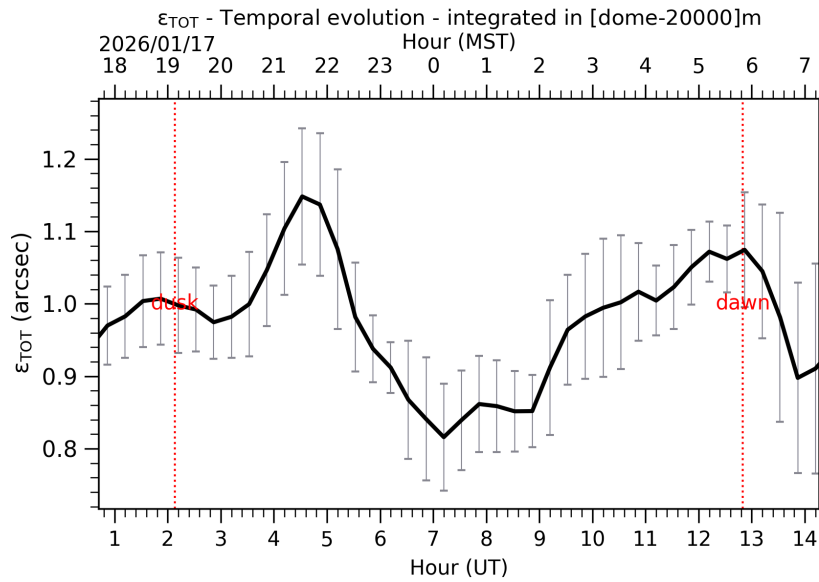
OSU\_monitor/N4258

OSU\_monitor/N5194

OSU\_monitor/N4605

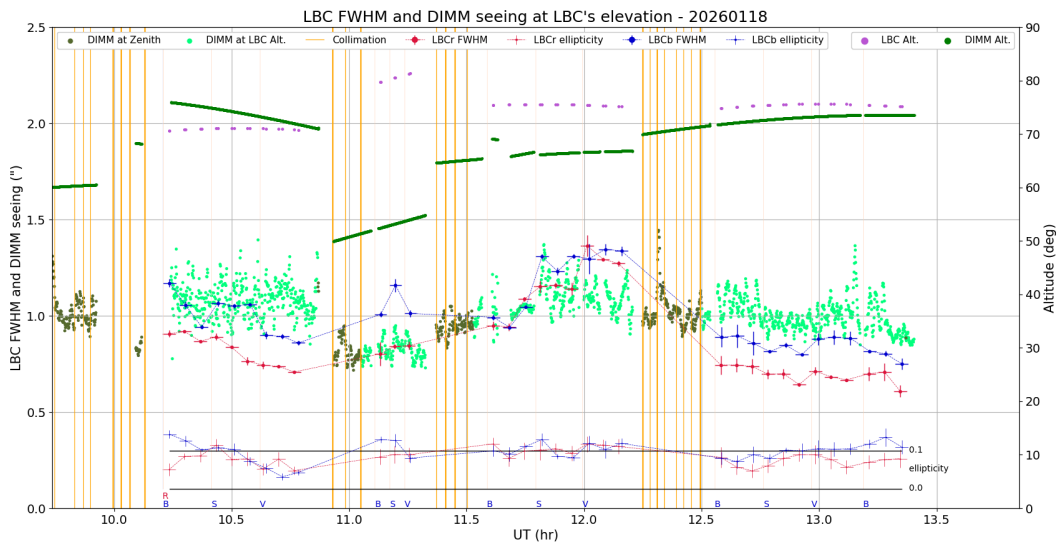
OSU\_monitor/N4449

OSU\_monitor/N4736



## Summary:

Another productive night with PEPSI ([Log](#)) and LBC, no major issues. Will need more LBCB=V-Bessel and LBCR=R-Bessel flats.



## Issues:

IT 9418: GCSL Hang causes IIF hang on "Moving probe (GCS)"

## Weather:

Clear weather all night, good seeing (0.7"-1.3").

## Overview:

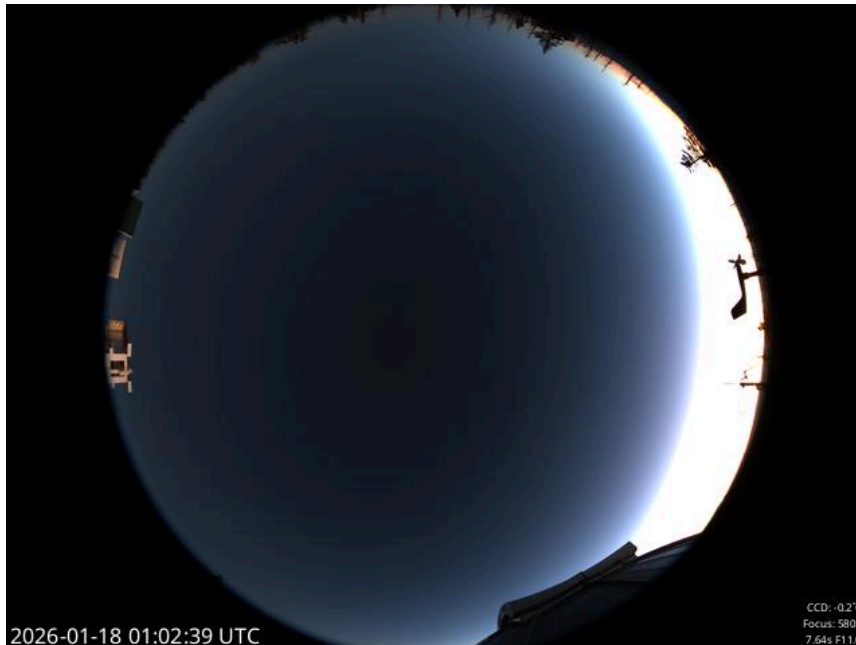
23:42 UT LBCs turned on, LUCIs Init'd

23:55 UT LBC 25 bias

00:12 UT LUCI2 MOS both strain gauges were on, zero'd and init was successful.

00:43 UT Sunset

00:46 UT Opening enclosure. Clear skies, winds ~4 m/s, RH~12%



## PEPSI

UVa\_Multistar/TIC260056937

01:13 UT Presetting

01:14 UT Taking data. Seeing ~1.0"

OSU\_BHBinaries/2874619553924994432 (RA: 23:57:56.74)

01:17 UT Presetting, too bright or pointing off? Jon is going to do a pointing check.

01:28 UT Presetting, yup it was pointing.

01:34 UT Taking data. Seeing climbing a bit to ~1.4"

01:34 UT 12 deg twilight

UVa\_Multistar/TIC283940788

01:46 UT Presetting, seems like GCS hung again, restarting.

01:51 UT Presetting again.

01:53 UT Taking data. Seeing ~1.3"

OSU\_BHBinaries/2503004277506117760 (RA: 02:30:45.48)

02:05 UT Presetting. Missed on SX, pointing check.

02:12 UT Presetting

02:15 UT Taking data. Seeing ~1.6" and variable.

OSU\_BHBinaries/2498804967722006912 (RA: 02:43:48.79)

02:54 UT Presetting

02:56 UT Taking data. Seeing ~1.5"

OSU\_BHBinaries/2508739330156508672 (RA: 01:41:31.29)

03:08 UT Presetting, right GCS has hung again, restarting.

03:19 UT Taking data 1.5" → 1.1"

OSU\_BHBinaries/2506054288401820544 (RA: 01:49:09.15)

03:47 UT Presetting

03:52 UT Taking data. Seeing ~1.1"

OSU\_BHBinaries/2951402574065062016 (RA: 06:24:45.76)

04:37 UT Presetting

04:46 UT Taking data. Seeing~1.1"

OSU\_BHBinaries/2951302415428197120 (RA: 06:26:47.65)

05:00 UT Presetting, right GCS hung, restarting.

05:04 UT Presetting. Right side looks fainter than left, doing pointing check just in case.

05:11 UT Presetting

05:12 UT Taking data

OSU\_BHBinaries/2915546125492264320 (RA: 05:48:40.73)

05:30 UT Presetting

05:38 UT Taking data

OSU\_BHBinaries/2914377546492902144 (RA: 05:48:31.90)

05:48 UT Presetting

05:51 UT Taking data. Seeing ~1.1"

OSU\_BHBinaries/2922301421855085824 (RA: 06:56:21.21)

06:06 UT Presetting

06:11 UT Taking data Seeing ~1.1"

UVa\_Multistar/TIC78568780

06:31 UT Presetting

06:34 UT Taking data. Seeing ~1.0"

UVa\_Multistar/HIP34214

06:43 UT Presetting

06:47 UT Taking data

OSU\_BHBinaries/2921495273676931968 (RA: 07:00:07.80)

06:49 UT Presetting

06:56 UT Taking data

OSU\_BHBinaries/5727804158735006592 (RA: 08:08:02.76)

07:07 UT Presetting

07:13 UT Taking data

OSU\_BHBinaries/5737345926794450816 (RA: 08:58:19.06)

07:36 UT Presetting

07:38 UT Taking data. Seeing ~0.9"

08:00 UT Reconfiguring to LBCs. Taking PEPSI calcs.

## LBC

OSU\_monitor/N3077

08:27 UT Presetting. DIMM seeing is 0.9"

08:29 UT running dofpia collimation

09:59 UT Abandoning because of collimation issues, mainly z22 runaway and lack of TMS to keep collimation.

OSU\_monitor/N3489

09:59 UT Presetting

10:11 UT Taking data

OSU\_monitor/N4395\*

10:52 UT Presetting

10:54 UT Collimating dofpia

11:05 UT Taking data

OSU\_monitor/N4258\*

11:20 UT Presetting and collimating

11:33 UT Taking data

11:52 UT Satellite trail in B=114733, R=114707

OSU\_monitor/N5194

12:13 UT Presetting

12:14 UT dof pia

12:32 UT Taking data

13:10 UT Repeating a few more frames.

Twilight Flats

13:25 UT 12 deg twilight

13:25 UT Presetting to Blank 13+62 for B-Bessel/r-Sloan flats

13:50 UT Presetting to Blank 10+57 for Uspec/R-Bessel flats

14:05 UT All done, closing up!

14:16 UT Sunrise