

LBT Observing Log: 2026 01 17 UT

Observers: Jason Chu

Partner Observer: Jennifer Johnson, Shanel Jackson

Telescope Operator: Jon Rees

Plan:

PEPSI:

UVa_Multistar/HIP112051
UVa_Multistar/TIC414026507
UVa_Multistar/TIC286470992
UVa_Multistar/HIP10743
UVa_Multistar/TIC25818450
UVa_Multistar/HIP117733
UVa_Multistar/TIC470710327
OSU_BHBinaries/2515518678335302144
OSU_BHBinaries/2564528309631766272
UVa_Multistar/TIC336882813
OSU_BHBinaries/3191963314353757952
OSU_BHBinaries/556025989400547840
OSU_BHBinaries/504197347730365952
OSU_BHBinaries/5186309491095793920
OSU_BHBinaries/2993381000303579648
OSU_BHBinaries/1115217915156311040
UVa_Multistar/TIC367448265
OSU_BHBinaries/3137043464463675136
OSU_BHBinaries/3135527822045707392
OSU_BHBinaries/3432017111066383488
OSU_BHBinaries/3138395691964845440
OSU_BHBinaries/3072979835351666304
OSU_BHBinaries/853931346322049280
OSU_BHBinaries/585526779726360960
OSU_BHBinaries/3057253005147814016
OSU_BHBinaries/857543654335450496
OSU_BHBinaries/861281925150731392
OSU_BHBinaries/761282235956777472
OSU_BHBinaries/857042139593590528
OSU_BHBinaries/3833963790123841792
ND_M3Cluster/NGC5272_314
OSU_BHBinaries/3713304243085056768
OSU_BHBinaries/845513171765566720
OSU_BHBinaries/859852628753902080

Summary:

Very productive night using PEPSI.

Issues:

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

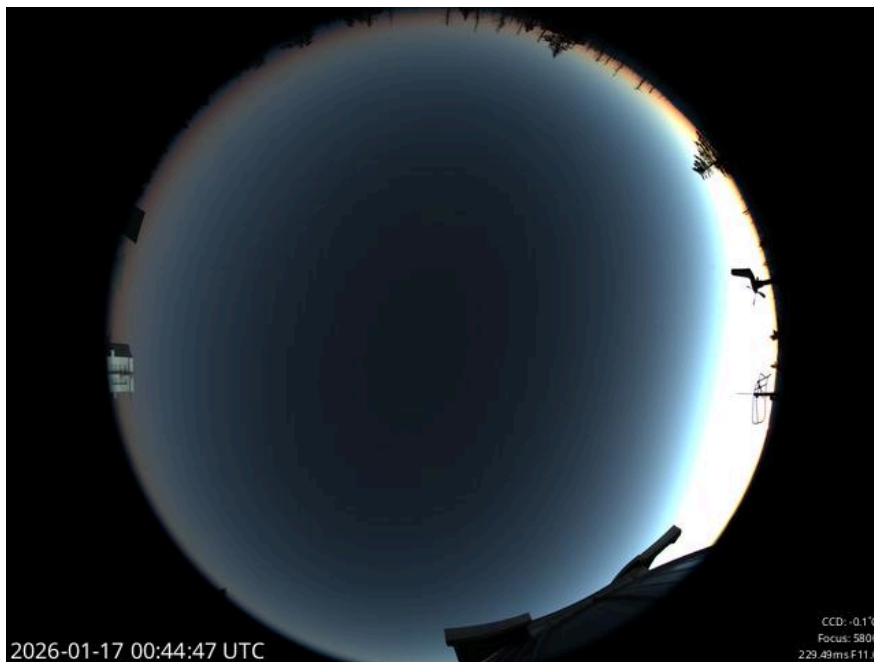
Weather:

Clear weather, low winds, seeing increased towards the 2nd half of the night as expected.

Overview:

23:41 UT LBCs turned on and binobias taken

00:43 UT LUCIs Init'd and test exposures taken. Skies are clear, winds ~3 m/s, RH ~12%



00:43 UT Sunset

00:46 UT Opening enclosure

PEPSI

UVa_Multistar/HIP112051

00:55 UT Initial pointing and collimation

01:13 UT Presetting. Still too bright (pointing towards west).

01:24 UT Presetting.

01:32 UT Taking data. Seeing= 1.0", SNR B/R=1207/1061

UVa_Multistar/TIC414026507

01:34 UT Presetting

01:34 UT 12 deg twilight

01:36 UT Pointing check

01:39 UT Presetting again.

01:41 UT Taking data. Seeing=1.0", SNR B/R=124/161 (for 1 exposure)

UVa_Multistar/TIC286470992

01:47 UT Presetting

01:50 UT Pointing check.

01:53 UT Presetting

01:56 UT Taking data

UVa_Multistar/HIP10743

01:59 UT Presetting

02:00 UT Taking data

UVa_Multistar/TIC25818450

02:02 UT Presetting

02:04 UT Taking data

UVa_Multistar/HIP117733

02:16 UT Presetting. Seeing=1.0"

02:19 UT Pointing check

02:21 UT Presetting

02:22 UT Taking data

UVa_Multistar/TIC470710327

02:24 UT Presetting

02:26 UT Taking data

OSU_BHBinaries/2515518678335302144

02:32 UT Presetting. Seeing=0.9"

02:39 UT Taking data

OSU_BHBinaries/2564528309631766272

02:55 UT Presetting. Seems like we got a stuck GCS (IT 9418), Jon is restarting.

03:03 UT Resending preset. Seeing steady at ~1"

03:07 UT Taking data

UVa_Multistar/TIC336882813

03:22 UT Presetting

03:26 UT Taking data. Seeing steady at ~1.0"

OSU_BHBinaries/3191963314353757952

03:39 UT Presetting

03:41 UT Taking data. Seeing steady at ~1.0"

OSU_BHBinaries/556025989400547840

03:45 UT Presetting

03:51 UT Taking data

OSU_BHBinaries/504197347730365952

03:58 UT Presetting

04:00 UT Taking data

OSU_BHBinaries/5186309491095793920

04:17 UT Presetting

04:22 UT Taking data. Seeing ~1.0" but more variable.

OSU_BHBinaries/2993381000303579648

04:47 UT Presetting

04:49 UT Missed on DX, pointing check.

04:52 UT Presetting. Had to bump up SX AGW exposure time.

05:00 UT Taking data. Seeing ~1.2"

OSU_BHBinaries/1115217915156311040

05:14 UT Presetting

05:18 UT Pointing check, missed on DX.

05:20 UT Presetting

05:24 UT Taking data

UVa_Multistar/TIC367448265

05:43 UT Presetting

05:45 UT Pointing check, missed on SX.

05:49 UT Presetting

05:51 UT Taking data. Seeing ~0.95"

OSU_BHBinaries/3072979835351666304

05:57 UT Presetting

06:04 UT Taking data. Seeing ~1.2"

OSU_BHBinaries/3137043464463675136

06:15 UT Presetting

06:20 UT Taking data

OSU_BHBinaries/3135527822045707392

06:31 UT Presetting

06:33 UT Another hung GCS (IT 9418), Jon is restarting.

06:35 UT Presetting

06:39 UT Taking data

OSU_BHBinaries/3432017111066383488

07:00 UT Presetting

07:04 UT Taking data

OSU_BHBinaries/3138395691964845440

07:23 UT Presetting

07:28 UT Taking data. Seeing ~1.3"

OSU_BHBinaries/3072979835351666304

07:48 UT Presetting

07:51 UT Taking data

OSU_BHBinaries/853931346322049280

08:04 UT Presetting

08:10 UT Taking data. Seeing ~1.3"

OSU_BHBinaries/585526779726360960

08:37 UT Presetting

08:41 UT Another hung GCS, Jon is restarting

08:42 UT Presetting again

08:45 UT Taking data

OSU_BHBinaries/3057253005147814016

08:55 UT Presetting, oops was still on previous target

08:57 UT Presetting

09:01 UT GCS hung again on both sides...Jon is restarting

09:03 UT Presetting

09:04 UT Pointing update

09:07 UT Presetting 4th time's the charm

09:13 UT Taking data

OSU_BHBinaries/857543654335450496

09:22 UT Presetting

09:25 UT Missed on both sides, pointing check

09:28 UT Presetting again

09:33 UT Taking data. Seeing ~1.35"

OSU_BHBinaries/861281925150731392

09:49 UT Presetting

09:52 UT Taking data. Seeing ~1.3"

OSU_BHBinaries/761282235956777472

10:31 UT Presetting

10:33 UT Missed on SX, pointing check.

10:39 UT Presetting

10:47 UT Taking data

OSU_BHBinaries/857042139593590528

10:56 UT Presetting

11:04 UT Taking data

OSU_BHBinaries/3833963790123841792

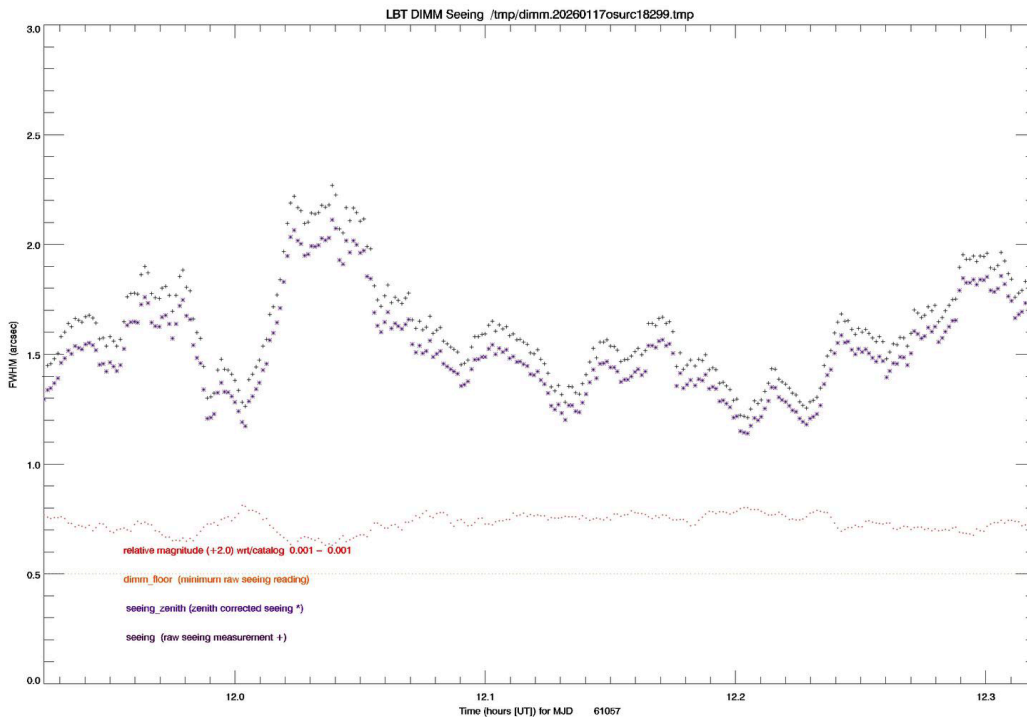
11:13 UT Presetting

11:19 UT Taking data. Seeing ~1.7"

ND_M3Cluster/NGC5272_314

11:43 UT Presetting

11:49 UT Taking data. Seeing has become variable



OSU_BHBinaries/3713304243085056768

12:37 UT Presetting

12:38 UT Pointing check, missed on SX

12:42 UT Presetting

12:44 UT Taking data

OSU_BHBinaries/845513171765566720

12:46 UT Presetting

12:53 UT Taking data. Seeing variable around 1.6".

OSU_BHBinaries/859852628753902080

13:08 UT Presetting

13:13 UT Taking data

13:24 UT Finished, closing up.

13:25 UT 12 deg twilight

13:35 UT Starting PEPSI cals and LBC biases.

14:16 UT Sunrise

13:58 UT Shutting down LBCs.

[PEPSI log](#)