

LBT Observing Log: 20260114 UT

Observers: DThompson

Partner Observer: Dom Rowan

Telescope Operator: Josh Williams

Plan:

PEPSI to start the night. Swap to LUCI if seeing is better than 1" at UT 7:00 or so. Seeing isn't looking awesome, so we will continue with PEPSI, working on the MWAbund and M3Cluster programs.

OSU/BHBinaries J2340+0827 (2758093311612997248)

OSU/BHBinaries J2359+0607 (2745372030800224512)

OSU/BHBinaries J0001+2156 (2847197557833077504)

OSU/BHBinaries J2343+2706 (2864987179231370368)

UVa/Multistar TIC3898

UVa/Multistar HIP 7747 (RV standard)

UVa/Multistar TIC3922

PASTA TOI 5703

OSU/BHBinaries J0043+3505 (362498302094814720)

OSU/BHBinaries J0157+2928 (300726119643476992)

OSU/BHBinaries J0253+2852 (128933651213943808) snr ~40

OSU/BHBinaries J0350+0805 (3277480820501314816)

OSU/BHBinaries J0727+2018 (864979548396586880)

OSU/PASTA TOI 4649

OSU/BHBinaries J07534797+0408447 (3089372385493635584)

OSU/BHBinaries/J07471194+0410551 (3137378540632587904) snr ~40

OSU/BHBinaries/J07421312+0501542 (3138457264618303104) snr~40

OSU/BHBinaries/J07415456+0547554 (3138568899407719296) snr~40

OSU/BHBinaries J07204503+0055098 (3111589598481097984) snr~40

OSU/BHBinaries J07280532+0041366 (3134600899381817984) snr~40

OSU/BHBinaries J06464003+0109157 (3125722720945464576)

UVa/Multistar TIC3178

UVa/Multistar HIP 38979 (telluric standard)

OSU/BHBinaries J08270090+2157246 (665777212860770560)

OSU/BHBinaries J08412189+1808031 (659410112822844288)

OSU/MWAbund J09225472-0636078

OSU/MWAbund J10123063+0622496

OSU/MWAbund J11160510+0714143

OSU/MWAbund J11351433+1350324

OSU/MWAbund J11035806+2132052

OSU/MWAbund J12124579+3458561

OSU/BHBinaries J12130153+3513578 – skipped, poor seeing

OSU/MWAbund J12051227+4147266

OSU/MWAbund J13073708+4730539

OSU/MWAbund J13101593+5036586

OSU/MWAbund J13013490+3107304

OSU/MWAbund J12560411+2628117

OSU/MWAbund J13120196+3242518

OSU/BHBinaries J10474905+4815166 832384629268579584

OSU/BHBinaries J11261825+2351553 3992896714154450176

OSU/MWAbund

J13432459+5500314

J14114593+5344385

J14203331+4842561

J14135082+4832108

J13552897+4619359

ND_M3Cluster/ NGC5272_357 – skipped, poor seeing

J14013003+3901534

J13381456+3852429

UM:

UM_XMDs_LUCI -- Luci Longslit -- 2.9 hours

ND:

-- no relative priorities ---

ND_M3Cluster -- Pepsi -- 3.5 hours

ND_sn95n -- LBC -- 0.6 hours

UVa:

High:

UVa_Multistar -- Pepsi -- 7.1 hours

UVa_BCD_LUCI -- Luci Longslit -- 1.2 hours - J1004

Medium:

UVa_BCD_LUCI -- Luci Longslit -- 1.1 hours - one of
the other targets

Low:

OSU:

Band 1:

OSU_PETS -- Pepsi -- 4.0 hours

OSU_lowZSNe -- Luci Longslit -- 1.5 hours

OSU_BHBinaries -- Pepsi -- 4.1 hours - priority 1

OSU_MWAbundDisp -- Pepsi -- 5.6 hours

OSU_PASTA -- Pepsi -- 3.3 hours - priority 1

Band 2:

OSU_BHBinaries -- Pepsi --10.0 hours - part of priority 2

OSU_PASTA -- Pepsi -- 6.3 hours - priority 2+3

Band 3:

OSU_BHBinaries -- Pepsi --10.0 hours - part of priority 2

Band 4: Filler

OSU_BHBinaries -- Pepsi --79.0 hours - rest

Summary:

Issues:

Weather:

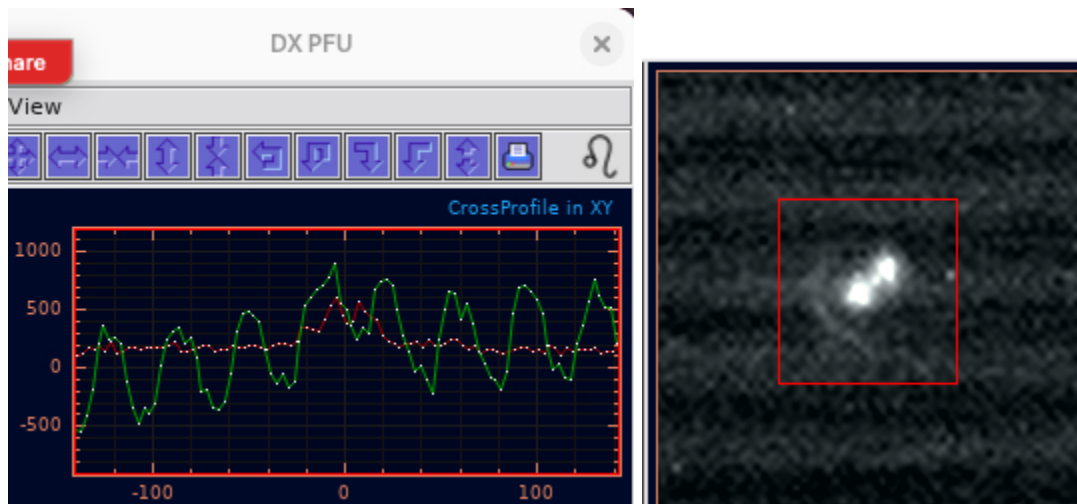
Overview:

01:28 OSU/BHBinaries J2340+0827 (2758093311612997248)

OSU/BHBinaries J2359+0607 (2745372030800224512)

01:42 OSU/BHBinaries J0001+2156 (2847197557833077504)

DT: strong horizontal banding (pickup noise) on DX guider



01:53 OSU/BHBinaries J2343+2706 (2864987179231370368)

02:10 UVa/Multistar TIC389836747

02:21 UVa/Multistar HIP 7747 (RV standard)

02:27 UVa/Multistar TIC392229331

02:36 OSU/PASTA TOI 5703

PEPSI interface quit – restarted the CD1 CD6 obs. Didn't meet SNR goal of 200 in CD 1,2,3

03:15 OSU/BHBinaries J0043+3505 (362498302094814720)

03:32 OSU/BHBinaries J0157+2928 (300726119643476992)

03:36 Lost target on the DX side – restarting obs

03:58 OSU/BHBinaries J0253+2852 (128933651213943808)

Snr goal is only 40 here

04:11 OSU/BHBinaries J0350+0805 (3277480820501314816)

04:24 OSU/BHBinaries J0727+2018 (864979548396586880)

04:36 OSU/PASTA TOI 4649

05:13 OSU/BHBinaries J07534797+0408447 (3089372385493635584)

OSU/BHBinaries/J07471194+0410551 (3137378540632587904)

Snr goal is only 40 here

05:35 OSU/BHBinaries/J07421312+0501542 (3138457264618303104)

Snr goal is only 40 here

05:48 OSU/BHBinaries/J07415456+0547554 (3138568899407719296)

Snr goal is only 40 here

06:07 OSU/BHBinaries J07204503+0055098 (3111589598481097984)

Snr goal is 40

06:28 OSU/BHBinaries J07280532+0041366 (3134600899381817984)

Snr goal is 40

06:56 OSU/BHBinaries J06464003+0109157 (3125722720945464576)

07:11 UVa/Multistar TIC317863971

07:16 UVa/Multistar HIP 38979 (telluric standard)

07:25 OSU/BHBinaries J08270090+2157246 (665777212860770560)

SNR ~ 60 in blue (might repeat this later in the run)

07:30 OSU/BHBinaries J08412189+1808031 (659410112822844288)

07:38 OSU/MWAbund J09225472-0636078

07:49 OSU/MWAbund J10123063+0622496

OSU/MWAbund J11160510+0714143

08:11 OSU/MWAbund J11351433+1350324

08:24 OSU/MWAbund J11035806+2132052

08:36 OSU/MWAbund J12124579+3458561

08:44 software freeze. It took 10+ ^Cs before SW shut down.

SNR of 92 in the blue

~~OSU/BHBinaries J12130153+3513578 (4029336286140566400)~~

Seeing is now >2, so skipping this

09:06 OSU/MWAbund J12051227+4147266

09:18 OSU/MWAbund J13073708+4730539

09:28 OSU/MWAbund J13101593+5036586

09:41 OSU/MWAbund J13013490+3107304

09:52 OSU/MWAbund J12560411+2628117

10:02 OSU/MWAbund J13120196+3242518

10:12 OSU/BHBinaries J10474905+4815166 (832384629268579584)

Increase exptime from 300s to 480s

10:24 OSU/BHBinaries J11261825+2351553 (3992896714154450176)

Increase exptime from 700s to 900s

10:44 OSU/MWAbund J13432459+5500314

SNR ~90 in blue

10:54 OSU/MWAbund J14114593+5344385

11:06 OSU/MWAbund J14203331+4842561

11:18 OSU/MWAbund J14135082+4832108

11:31 OSU/MWAbund J13552897+4619359

~~ND_M3Cluster/NGC5272_357~~

V ~14.2, seeing increased to ~2" and we were unable to acquire target. Moving on.

12:03 OSU/MWAbund J14013003+3901534

Increasing exposure to 15min

12:21 OSU/MWAbund J13381456+3852429

~~OSU/MWAbund J13250328+2402024~~

Stopped here – issue sending preset

Files taken last night: /home/osurc/share/OSURC_PEPSI_Log20260114.txt
Includes science data and arcs/flats