LBT Observing Log: 2026 Jan 16 UT

Observers: D Thompson
Partner Observer: J Johnson
Telescope Operator: J Rees

Plan:

PEPSI:
UVa_Multistar/TIC307119043
UVa_Multistar/HIP1127 – RV standard
UVa_Multistar/TIC52856877
UVa_Multistar/TIC328181241
UVa_Multistar/HIP18902 – RV standard
UVa_Multistar/TIC454140642
UVa_Multistar/HIP20910 – RV standard
OSU_PASTA/TOI6333
OSU_BHBinaries/951285541820256512

LUCI
UVa_BCD_LUCI/J0833+5305 = J0833_2.xml
UVa_BCD_LUCI/J0833+4925 = J0833_1.xml
UVa_BCD_LUCI/HD92573 – not in queue, FYI – telluric
UVa_BCD_LUCI/J1004+3257
UVa_BCD_LUCI/BD30d2047 – not in queue FYI – telluric
UM_XMDs_LUCI/SDSSJ1049
UM_XMDs_LUCI/SDSSJ1044
UM_XMDs_LUCI/HIP55681 – telluric

PEPSI
ND_M3Cluster/NGC5272_1175
OSU_BHBinaries/1583268470228448384
OSU_BHBinaries/1581668199773790208
OSU_BHBinaries/863071586483160320
OSU_BHBinaries/3713304243085056768

Summary:

Issues:

Weather:

JRees: Telescope open at sunset. Particle counts remain low despite ongoing prescribed burns. Very light cirrus around the horizon, otherwise clear skies.

Overview:

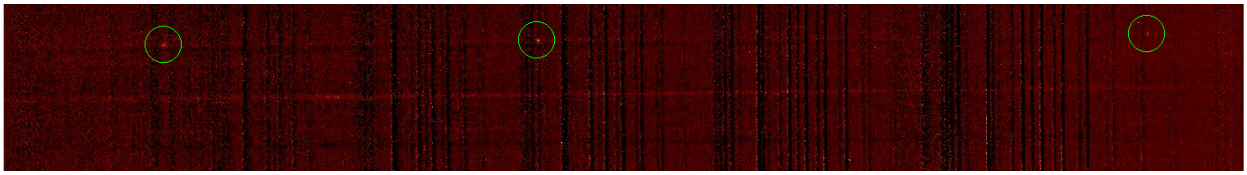
UVa_Multistar/HIP20910 – RV standard
DX side kept walking off the hotspot. Did pointing check and repeated. Second set of data had similar SNR to first. Should be OK.

PASTA: TOI-6333 SX guider did a big jump out of the hotspot. Required a new preset to correct. Integration continued while this was going on.

UVa_BCD_LUCI/J0833+5305 = J0833_2.xml
LUCI2 MOS Error (translator failed to reach mask 5 within tolerance…init to clear)
LUCI1 Cam error (-10 steps and re-init)

UVa_BCD_LUCI/J0833+5305 = J0833_2.xml
No emission seen in quick stack of the 40 min LUCI1 data.
Note on finding charts…the screenshot of the guide star selection from the OT is useless for any observing at the telescope. The deeper finding chart identifying the source and offset star should be rotated so the requested PA is “up” on the image and the 4’x4’ LUCI FoV marked.

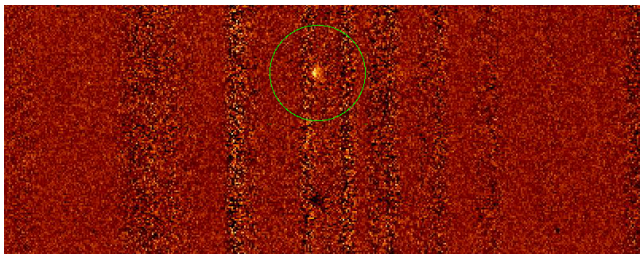
UVa_BCD_LUCI/J0833+4925 = J0833_1.xml
Emission line(s) seen quick stacked spectrum (see below). Note that the dithering offset of +/-10” nearly matches the separation of the science target and the other nearby source (that also shows emission) on the slit.



UVa_BCD_LUCI/HD92573 – not in queue, FYI

UVa_BCD_LUCI/J1004+3257

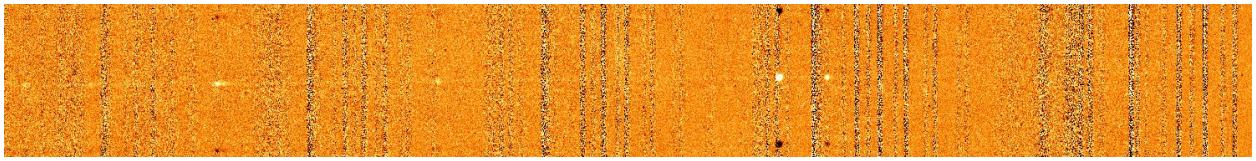
Single emission line near middle of detector



Note: LUCI1 N180+G200 looks a bit out of focus.

[Not sure if this is J1004+3257] 4x30s for acquisitions is long, source still _barely_ visible. This should have been set up with a blind offset from the brighter galaxy or star to the west with a PA to put another source somewhere along the slit.

UM_XMDs_LUCI/SDSSJ1049
6 emission lines:



UM_XMDs_LUCI/SDSSJ1044
At least 6 emission lines

PEPSI log: OSURC_PEPSI_Log20260116.txt

I ran both sets of LUCI cals, from UM_XMDs and UVa_BCD though they both covered the same configuration. XMD was done first, so the BCD set may be affected by persistence in the flats.