

LBT Observing Log: 2026 Mar 13 UT

Observers: Alex Becker

Partner Observer: Peter Garnavich

Telescope Operator: Josh Williams

Plan:

PEPSI

UM_V838Mon/HD45359 xxx
ND_Carich/Carich_dwarf xxx
UM_V838Mon/V838Mon xxx
OSU_LAMP/GaiaDR3766693413713838208 both xxx
OSU_EBRV/NSVS10154047B 5:33 UT!!! xxx
OSU_LAMP/GaiaDR3715194831690782080 xxx
UVa_metalpoor/783101666256802688 xxx
UVa_metalpoor/HIP51973 -RV standard xxx
UVa_metalpoor/1060051426765680896 xxx

LUCI

UM_XMDs_LUCI/SDSSJ1116 xxx
UM_XMDs_LUCI/HIP55681 telluric xxx
OSU_SCAT-LUCI/2025adje xxx
HD116405 telluric xxx
UM_XMDs_LUCI/SDSSJ1407 xxx
UM_XMDs_LUCI/HIP71172 telluric

Summary:

The skies were clear and seeing was less than an arcsec for most of the night.

PEPSI log:

https://drive.google.com/file/d/1IE3pjaJs6vbY_xUIhcAY_GueCbOXa0hE/view?usp=sharing

Issues:

Weather:

Clear, subarcsecond seeing, T 5.6C, RH 36.4%, Wind 5m/2 @ 256

Overview:

00:00 LUCI init all

01:23 Opening

01:45 UT Pointing preset

01:52 Power bump during pointing check. Recovering

02:13 UT Pointing preset

PEPSI

UM_V838Mon

HD 45359

02:19 Preset

02:20 Starting science exposure
Seeing 0.7"

ND_Carich

Carich_dwarf (UCAC4 568-011793)

02:46 Preset

02:49 We missed the target on DX. Sending acquire preset to DX only

02:52 Starting exposure

UM_V838Mon

V838Mon

03:13 Preset

03:17 GCS got stuck on both sides

03:27 Preset number 4 seems to be good, but wrong target on DX. Acq preset DX only

03:30 Starting exposure

Seeing 0.3-0.4

03:32 We lost the target on the left side and I accidentally sent a new preset to the right...

Stopping exposure and sending it to both sides

We are not certain that we have the same object on both sides. Pointing check

03:37 Preset

03:39 Starting exposure

04:05 We lost the target on the right side.

OSU_LAMP

Gaia DR3 766693413713838208 both

04:43 Preset

Seeing 0.5"

04:48 Starting exposure

OSU_EBRV

NSVS 10154047B 5:33 UT!!!

05:15 Preset

05:19 GCS stuck again...

05:21 Preset

Missed the target on DX. Acquire preset

05:25 Starting exposure

2 minutes in, I realized that the instrument wasn't configured properly and the script had the wrong fiber selected. Corrected it and when I sent a new preset, we missed the target on SX...

05:32 Starting exposure

OSU_LAMP

Gaia DR3 715194831690782080

05:45 Preset

05:47 GCS is stuck again

05:49 Preset

05:53 Starting exposure

UVa_metalpoor

783101666256802688

06:29 Preset

06:34 Starting exposure

HIP51973 -RV standard

06:38 Preset

06:40 Starting exposure

1060051426765680896

06:42 Preset

Seeing 0.5

06:44 Starting exposure

06:48 Reconfig to LUCI

LUCI

06:50 Init all after power bump in the afternoon. Reconnect to IIF

UM_XMDs_LUCI

SDSSJ1116

07:16 Preset

Long Slit Result				Object Guide AO Reference	Long Slit Result					
X-shift:	<input type="text" value="0.0377"/>	as	<input type="text" value="0.3200"/>		px	X-shift:	<input type="text" value="-2.1004"/>	as	<input type="text" value="-17.6500"/>	px
Y-shift:	<input type="text" value="3.2348"/>	as	<input type="text" value="27.4600"/>		px	Y-shift:	<input type="text" value="-0.0321"/>	as	<input type="text" value="-0.2700"/>	px
Angle:	<input type="text" value="0.0000"/>	deg				Angle:	<input type="text" value="0.0000"/>	deg		

Seeing 1-1.4, variable

HIP55681 telluric

08:35 Preset

OSU_SCAT-LUCI

2025adje

08:48 Preset

Telluric

10:38 Preset

UM_XMDs_LUCI

SDSSJ1407

10:55 Preset

HIP71172 telluric

12:13 Preset

12:35 We are done for tonight