

LBT Observing Log: 2025 Apr 08 UT

Observers: Alex Becker

Partner Observer: Dom Rowan

Telescope Operator: Steve Allanson

Plan:

After UVa Uranus occultation it will be all PEPSI. Start with BHBinaries, then RRL and MultiStar telluric and RV standard. Finish with MWAbund and high priority BHBinaries target.

~~BHBinaries/2MASSJ07243768-1729190 (0.16hr)~~

~~BHBinaries/2MASSJ04080155+4847592~~

~~BHBinaries/2MASSJ04302316+5504087~~

~~BHBinaries/2MASSJ04450780+5727308~~

~~BHBinaries/2MASSJ04441561+5032350~~

~~BHBinaries/2MASSJ04574725+4514512~~

~~BHBinaries/2MASSJ05313920+4729318~~

~~BHBinaries/2MASSJ05535674+3052361~~

~~BHBinaries/2MASSJ06170689+2343487~~

~~BHBinaries/2MASSJ06205268+1215078~~

~~BHBinaries/2MASSJ06473335+3458460~~

~~BHBinaries/2MASSJ07270306+2018271~~

~~#RRlyrae/J13250245+2857568 (0.38) missing PEPSI OBs, skipping~~

~~#RRlyrae/J14280006+3409504 (0.28) missing PEPSI OBs, skipping~~

~~UVa_MultiStar/HIP38979 (telluric) (0.12)~~

~~UVa_MultiStar/HD102870 (RV standard) (0.12)~~

~~MWAbund/2MASS J11523528+0309071 (0.18)~~

~~MWAbund/2MASS J11432607-0056421 (0.18)~~

~~ND_M3Cluster/NGC5272-1258 (0.78)~~

~~MWAbund/2MASS J11104563+5147282 (0.18)~~

~~MWAbund/2MASS J11114047+4831401 (0.18)~~

~~MWAbund/2MASS J10531259+5023116 (0.18)~~

~~BHBinaries/2MASSJ11295356+5035124 (0.29hr)~~

~~... fill rest of time with 50% BHBinaries and 50% MWAbund ...~~

~~BHBinaries/2MASSJ10474905+4815166 (0.18)~~

~~MWAbund/2MASS J10464564+4314558 (0.18)~~

~~BHBinaries/2MASSJ11261825+2351553 (0.29)~~

~~MWAbund/2MASS J11045988+2140320 (0.18)~~

~~BHBinaries/2MASS J10460599+1002584 (0.15)~~
~~MWAbund/2MASS J11071186+1006118 (0.18)~~
~~MWAbund/2MASS J11162867+0735458 (0.18)~~

End at 07:20 UT

Summary:

Issues:

LUCI1 FW2 moved manually via eng gui. Header information is not correct

Weather:

Overview (times are given in UT):

23:47 LUCI1/2 init all
all good

00:30 Opening

LUCI

Uranus Occ

HD 83005

00:35 Preset

Collimation by eye

HD 98425

00:52 Preset

Fine tuning collimation at lower elevation

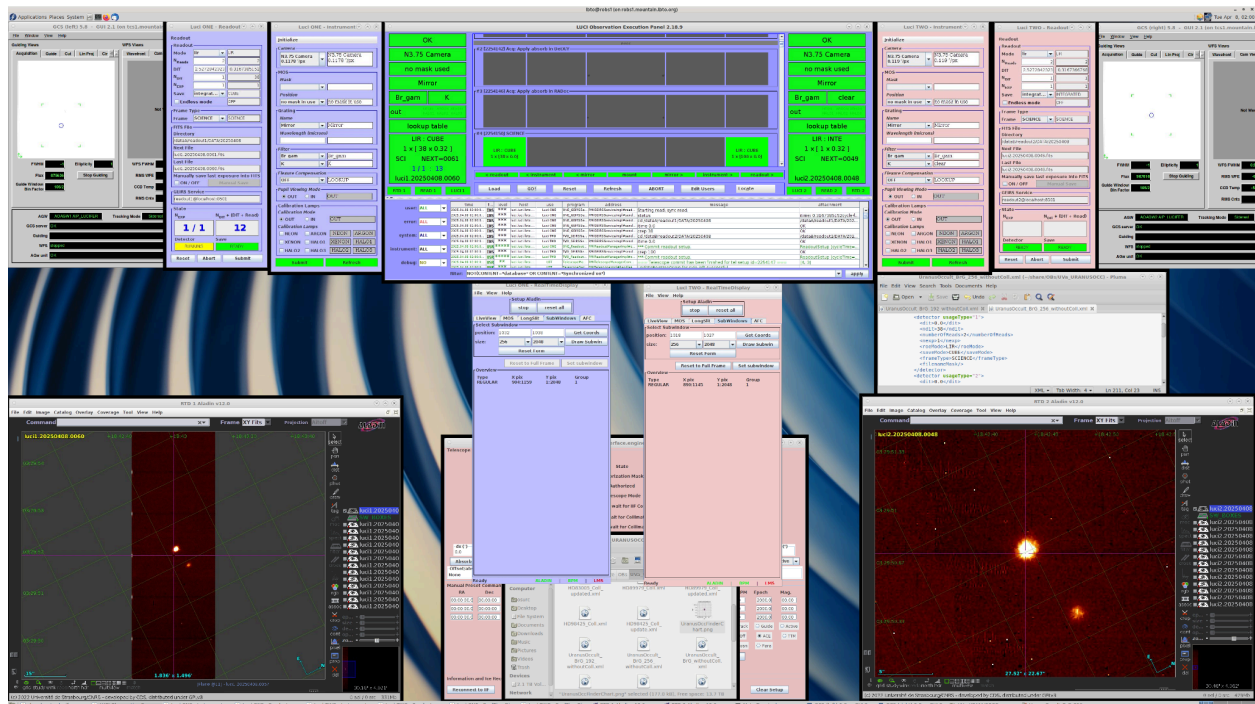
Uranus

01:50 Preset

First acq image LUCI1 0055, LUCI2 0041

Subwindow LUCI1 1032 1038

Subwindow LUCI2 1018 1027



And thanks to Jason for the screenshot from Stellarium:

BHBinaries

2MASSJ07243768-1729190

02:42 Preset

02:44 Starting exposure

Damn, it did not check the Spectrograph Control Interface and we took calibrations for the last 4 minutes

02:49 Sending the preset again

02:51 Starting science exposure

2MASSJ04080155+4847592

00:55 Preset

02:58 Starting exposure

2MASSJ04302316+5504087

03:00 Preset

03:02 Starting exposure

2MASSJ04450780+5727308

03:04 Preset

03:07 Starting exposure

2MASSJ04441561+5032350

03:09 Preset

03:11 Starting exposure

2MASSJ04574725+4514512

03:15 Preset

03:17 Starting exposure

2MASSJ05313920+4729318

03:21 Preset

03:23 Starting exposure

2MASSJ05535674+3052361

03:25 Preset

03:27 Pointing check

03:29 Preset

03:32 Starting exposure

2MASSJ06170689+2343487

03:37 Preset

03:40 Starting exposure

2MASSJ06205268+1215078

03:43 Preset

03:47 Starting exposure

2MASSJ06473335+3458460

03:52 Preset

03:56 Starting exposure

2MASSJ07270306+2018271

04:08 Preset

04:11 Starting exposure

UVa_MultiStar

HIP38979 (telluric) (0.12)

04:18 Preset

GS not found on the left.

04:20 Preset

04:22 Starting exposure

HD102870 (RV standard) (0.12)

04:23 Preset

MWAbund

2MASS J11523528+0309071 (0.18)

04:30 Preset

04:31 Starting exposure

2MASS J11432607-0056421 (0.18)

04:36 Preset

04:37 Starting exposure

ND_M3Cluster

NGC5272_1258 (0.78)

04:43 Preset

04:47 Starting exposure

MWAbund

2MASS J11104563+5147282 (0.18)

05:28 Preset

GS not found on DX. Pointing check

05:32 Preset

05:34 Starting exposure

2MASS J11114047+4831401 (0.18)

05:39 Preset

05:41 Starting exposure

2MASS J10531259+5023116 (0.18)

05:47 Preset

05:49 Starting exposure

BHBinaries

2MASSJ11295356+5035124 (0.29hr)

05:55 Preset

05:57 Starting exposure

2MASSJ10474905+4815166 (0.18)

06:09 Preset

06:12 Starting exposure

MWAbund

2MASS J10464564+4314558 (0.18)

06:18 Preset

06:20 Starting exposure

BHBinaries

2MASSJ11261825+2351553 (0.29)

06:26 Preset

Long slew

06:32 Starting exposure

MWAbund

2MASS J11045988+2140320 (0.18)

06:44 Preset

06:47 Starting exposure

BHBinaries

2MASSJ10460599+1002584

06:58 Preset

07:00 Starting exposure

MWAbund

2MASS J11071186+1006118

07:05 Preset

07:07 Starting exposure

2MASS J11162867+0735458 (0.18)

07:12 Preset

07:14 Starting exposure

07:20 Done. Handing over to LBTO