

LBT Observing Log: 2025 Oct 22 UT

Observers: Alex Becker

Partner Observer: Michael Tucker

Telescope Operator: Riccardo Ansaldi

AO Support: Doug Miller

Plan:

Start with SHARK-Vis obs of AE Aqr, move to Rowan's target if time allows.

Switch to PEPSI after SHARK-Vis obs complete

Predictions for clouds towards the end of the night

PEPSI targets:

~~OSU_BHBinaries/2MJ2121+3425~~

~~OSU_BHBinaries/2MJ0253+2852~~

~~OSU_BHBinaries/2MJ0242+2629~~

~~OSU_BHBinaries/2MJ0340+8001~~

Summary:

PEPSI Log:

https://drive.google.com/file/d/1Qr_CwRsD4QTE9dR9YrALH7IZNUIHwwTo/view?usp=sharing

Issues:

Weather:

Overview:

SVis

AE AQR

01:03 Preset to AE AQR

01:15 AO ready and handing over to SVis

01:35 DIMM 0.73", clear, Wind 3m/s @ 290deg, RH 20%, 10.6C

02:25 SVis is getting 0.33" on their science camera. DIMM 0.7"

HIP 104101

03:23 Preset

04:12 We are done with this target and SVis. Reconfig to PEPSI

PEPSI

OSU_BHBinaries

2MJ2121+3425

DIMM: 0.85"

04:30 Preset

04:35 Starting science exposure

SNR 75/105

2MJ2258+3645

We are getting some thin cirrus. Thicker clouds are coming in from the west

04:56 Preset

05:03 Starting exposure

even when SX is not fully collimated yet. It will get there soon and DX is long ready

05:21 Clouds are getting thicker and we are close to losing the target. Only 2 minutes left

SNR 70/78

05:25 Closing for clouds

06:46 Something happened that looks like a network issue. LUCI lost connection to IIF. And PEPSI shows an Ice::DNSException with a bunch of error messages complaining about Connection timed out, RPC Communication error, etc.
Reconnected LUCI to IIF at 07:04 and PEPSI at 07:40

07:55 Opening

2MJ0242+2629

08:00 Preset

08:03 Nothing on DX. Pointing check

08:05 Preset

08:09 Starting exposure
DIMM 0.9", GCS 0.5"

SNR 71/94

2MJ0253+2852

01:24 Preset

01:27 Starting exposure
SNR 71/76

2MJ0340+8001

08:40 Preset

08:48 Starting exposure
SNR 69/81

2MJ0521+7637

08:55 Preset

08:58 Starting exposure

I don't think we will be able to observe this target to the end. Clouds are coming in and we are already losing a lot of flux on it.

09:00 That was short. Aborting exposure after a bit over 1 minute. Closing

10:10 We are calling the night. The clouds are here to stay throughout the day and probably the next night.