

Observing log 2014-08-25 CHARA-VEGA
Observers: Philippe, Simon, Nicolas B., & Norm on site

Lots of issues at start-up:

- No access to periscope/shutter/image control interface;
- Cannot list running programs with sockman;
- When ICS is running, sockman cannot run.

Identified problem: we are limited to 2 panels (see log end)

UTC04:45 – Start operations: Norm will take care of periscopes and shutters.

Configuration 2T-E1E2: E1/Pop1; E2/Pop2

Program V64: HD177724 (Ph. Stee)

UTC04:55 – Trying to align the pupils. Cannot see the pupils, problem with ICS/TEHCAM> peri and shutters not accessible (the launch from Techcam fails to open them).
weathergtk doesn't work.

UTC05:02 – Looking for fringe on VEGA.

UTC05:05 – We see ~ 170 photons/image (spectro in HR), and fringe signal on VEGA.

UTC05:06 – **HD177724E2E1.2014.08.25.04.46**. Start target observation, 90 blocks. We rely on Norm for shutters/peri.

UTC05:45 – End of observation

UTC05:48 – Start spectral calibration: **D_R1656.2014.08.25.05.48**

UTC06:00 – rebooting pc-ctrlvega2.

Now shutters, peri and TTs are ok – we checked with a **mount** on pc-ctrlvega2 (see page 6 guide obs). But now we don't have access to tiptiltgtk, opletab and telescpgtk... Also climb_B1 and BC1 still not accessible!!

Program V62: HD209409 (A. Meiland)

UTC06:32 – **HD209409E2E1.2014.08.25.06.32**. Start target observation. Attention opd +500microns au lieu de +100, c'est pas notre jour... 40 blocs.

UTC06:58 – End observation.

UTC06:58 – Clouds just arrived.

UTC06:59 – Start Spectral calibration: **D_R2656.2014.08.25.06.59**

Program V61: HD9270 854nm (L. Bigot)

UTC07:15 – Change of spectral configuration. Grating turret seems blocked (< 20 ph/frame).

~~UTC07:21 – **HD9270E2E1.2014.08.25.07.06**. Wrong position of the turret.~~

~~UTC07:22 – **HD9270E2E1.2014.08.25.07.22**. Wrong position of the turret.~~

~~UTC07:40 – **HD9270E2E1.2014.08.25.07.40**. Wrong position of the turret.~~

--> Every HD9270 exp. aborted, only 20-30 ph/frame.

Configuration 3T-E2E1W2: E1/Pop1; E2/Pop2; W2/Pop5

Program V60: HD11037 (N. Nardetto)

~~UTC08:00 – **HD11037CAL2E2E1W2.2014.08.25.08.05**: start observation on HD224926.~~

...struggle to find a good target for CLIMB alignment...

Program V60: HD6976 (N. Nardetto)

UTC08:33 – CLIMB fringes found. Look for VEGA ones.

UTC08:40 – Fringes found on VEGA.

UTC08:41 – **HD6976CAL3E2E1W2.2014.08.25.08.11** : Cal3 = HD7727. Start observation. Good peaks on E1E2 & E2W2 for VEGA. 30 blocks.

UTC09:01 – **HD6976E2E1W2.2014.08.25.09.00**. Target. 30 blocks. Only E1E2 peak visible on control panel.

UTC09:21 -- **HD6976CAL3E2E1W2.2014.08.25.09.18** : Cal3 = HD7727. Start observation.

UTC10:03 -- **HD12583CAL2E2E1W2.2014.08.25.09.36**: Cal2 = HD15130. Alignment of CLIMB difficult, but finally locked on all. E1E2 fringes on VEGA not clear (a cloud?). Start observation: 30 blocks.

UTC10:12 – Norm: “E1 fringe was gone but now back”, but two peaks well seen on VEGA display.

UTC10:27 -- **HD12583E2E1W2.2014.08.25.10.20** . Target. 30 blocks.

UTC10:48 -- **HD12583CAL2E2E1W2.2014.08.25.10.42**: Cal2 = HD15130. 30 blocks.

UTC10:46 -- Control panel crashed during exposures. Exposures till on-going.

UTC11:02 – Spectral calibration: **D_R2700.2014.08.25.11.02** +ND2 on red camera.

Program V16: HD24712 (K. Perraut)

~~UTC11:08 – **HD24712CAL3.W2E1E2.2014.08.25.11.08**~~

~~UTC11:10 – **HD24712CAL2.E1E2W2.2014.08.25.11.10**~~

UTC11:16 -- check star HD22049 for aligning; HD26912 possible check star for later.

UTC11:25 – Go to cal2. Too dimm for alignment.

UTC11:36 – Clouds are coming again. Decide to stop observations and try solving the pc-ctrlvega2 issues.

pc-ctrlvega2 is rebooted. Everything seems fine. No problem with sockman (launched after each step), until we launch periscope from ics: then sockman crashes.

Identified problem: we are limited to 2 panels.