

Observing log 2014-08-24 CHARA/VEGA

Observers: Frantz, Simon & Norm on site

Configuration: **3T - E1E2W2** with E1/V1/POP1 E2/V2/POP2 W2/V3/POP5 (+CLIMB)

Program: V52: T Vul, $\lambda=720$ nm(N.Nardetto)

UTC03:22 Norm proposes **HD192944** (V Vul, V=5.3 & K=3.1) as check star. We begin the aligning sequence. Ok for pupils, for flux. The network is slow...

UTC03:42 Norm is aligning NIRO. Seeing looks pretty good, around 12cm.

UTC03:55 Norm looking for fringes on Climb.

UTC04:05 Fringes on CLIMB. Ok on VEGA for E1E2 @ the right place. This is not a good check star for a triplet (LDD=1.22 mas)! Luckily for us we can look for E2W2 fringes on cal.

UTC04:15 Now going for cal3 HD196740. CLIMB fringes there.

UTC04:17 **HD198726CAL3E2E1W2.2014.08.24.03.42** (HD196740). 20 blocks. Seeing ~12.5cm, very nice fringes on CLIMB and VEGA (on VEGA we see very nice E1E2 and E2W2).

UTC04:29 **HD198726E2E1W2.2014.08.24.04.28** Target. Same seeing. 20 blocks. Nice VEGA fringes. E2W2 visible at beginning.

Crash of control panel @ bloc 3, but still recording, so we let it go until the end of the observation. Acquisition OK.

UTC04:45 **HD198726CAL3E2E1W2.2014.08.24.04.41** (HD196740). 20 blocks.

UTC04:57 **HD198726E2E1W2.2014.08.24.04.55** Target. 20 blocks. Seeing going a bit up (~13-13.5cm).

UTC05:12 **HD198726CAL3E2E1W2.2014.08.24.05.07** (HD196740). 20 blocks. Same seeing, good fringes on VEGA.

UTC05:24 **D_R2720.2014.08.24.05.22** Spectral calibration. This ends the 720nm sequence. We will make the same observing sequence again for Tvul, but this time @ $\lambda=620$ nm.

Program: V52: T Vul, $\lambda=620$ nm(N.Nardetto)

UTC05:31 **HD198726CAL2E2E1W2.2014.08.24.05.28** (HD196740). 20 blocks. Seeing ~13-14cm. Good VEGA fringes as usual (E1E2, E2W2).

UTC05:49 **HD198726E2E1W2.2014.08.24.05.43** Target. Same seeing. 20 blocks. Same comments as above.

UTC06:03 **HD198726CAL2E2E1W2.2014.08.24.05.59** (HD196740). 20 blocks. Seeing ~10cm, going down. Still nice VEGA fringes.

UTC06:16 **HD198726E2E1W2.2014.08.24.06.13** Target. 20 blocks. Seeing is going down (~8cm). We have nice E1E2 fringes at start. But E2W2 not so clear, become visible at block 4 and are not very nice.

UTC06:35 **HD198726CAL2E2E1W2.2014.08.24.06.27** (HD196740). 20 blocks. Norm moves the ref. Cart from +39m to +31m. Seeing still going down (~7-7.5cm) but fringes ok.

UTC06:49 **D_R2620.2014.08.24.06.44** Spectral calibration.

Program: V01: HD 209458 (R. Ligi)

UTC06:55 **HD209458CAL4.2014.08.24.06.53** (HD204414). 20 blocks. Seeing around 8 cm. We have nice fringes on VEGA, both E1E2 and E2W2. We can even see E1W2 at block 7.

UTC07:16 **HD209458.2014.08.24.07.08-** Target. 20 blocks. Pb enregistrement ALGOLRED. On aborte et on relance.

UTC07:25 **HD209458.2014.08.24.07.21** Target. 30 blocks. The star is faint and the seeing is not so good now. We see E1E2 fringes on VEGA. E2W2 begin to appear later (block 12).

Crash again of Control panel. As the acquisition was started before and is going on we let it finish.

UTC07:49 **HD209458CAL4.2014.08.24.07.42** (HD204414). 20 blocks. Seeing around 8 cm. Fringes are nice.

UTC08:01 **D_R2720.2014.08.24.08.00** Spectral calibration.

Configuration: 2T - E1E2 with E1/V1/POP1 E2/V2/POP2 (+CLIMB)

Program: V61: HD 9270, $\lambda=867\text{nm}$ (L. Bigot)

UTC08: ????????

Crash of Control Panel before starting acquisition. We relaunch it.

UTC08:30 **HD9270E2E1.2014.08.24.08.26** HR mode, we have very few photons (about 30-40 photons on ALGOLR and 50-60 on ALGOLB). The E1E2 fringes are not visible near the aigrette but we assume the alignment to be ok as we just come from E1E2W2 and we have nice fringes on Climb, with a very stable waterfall. We put **60 blocks**.

UTC08:58 **D_R1867.2014.08.24.08.55** Spectral calibration.

Program: V61: HD 9270, $\lambda=854\text{nm}$ (L. Bigot)

UTC09:03 **HD9270E2E1.2014.08.24.09.00** We put **60 blocks**. Same comments as above.

Crash de la liaison CHARA-Nice en plein milieu de l'acquisition... Un ssh ou un ping sur pc-datarvega ne donnent rien. On a testé côté niçois en rebootant les deux boîtiers dans le coin de la salle mais le problème ne vient pas de là. Côté Mt Wilson tout a l'air OK.

Finalement on reboote complètement pc-ctrlvega2 mais ça ne change rien, un ping ou un ssh sur pc-datarvega ou michelson.chara-array.org ne donnent tj rien. Il semble que le réseau niçois soit en cause au final. Mais on est dimanche...

On ne peut rien faire pour l'instant (dont l'archivage) donc on considère la nuit comme terminée. On recommencera demain sur E1E2 pour ne pas avoir de problème.