

OBSERVING LOG CHARA/VEGA 2018-08-12

Observers: Frédéric et Roxanne en direct de Calern
Norm sur la montagne

UT02h48: We are ready.

UT03h00: Opening.

Configuration W2-POP3-B3 E2-POP2-B2 E1-POP1-B1 V65 Hierarchical systems

UT03h16: we start with the LABAO star HD181276.

UT03h22: red camera on VEGA does not answer (it has not started), we have to re-launch...

UT03h30: problem solved. We go to the cal HD177003.

UT03h40: fringes on VEGA and CLIMB. Recording. Very nice fringes. We see the 3rd peak at the end.

E1=-2720, E2=-2970, CLIMB_B1=6.559, CLIMB_B2=4.579.

HD177003.2018.08.12.03.39

UT03h49: we go to the target V1143 CYG/HD185912.

UT03h49: recording for 60 blocs. We see a bright E1E2 peak. r0 ~11 cm.

E1=-2840, E2=-3000, CLIMB_B1=6.559, CLIMB_B2=4.579.

HD185912.2018.08.12.03.53

r0 ~9 cm at block 40.

UT04h20: back to cal HD177003.

UT04h23: the pupil of B2 is weird, like cut in half.

UT04h24: apparently the dome had stopped. Problem solved.

E1=-2570, E2=-2800, CLIMB_B1=6.579, CLIMB_B2=4.589. 20 blocs. Nice peaks. We even see the 3rd one!

HD177003.2018.08.12.04.27

D_CM720.2018.08.12.04.39

UT04h42: we go to the second target V379 Cep/HD197770.

UT04h49: The central control has crashed just when we started recording.

HD197770.2018.08.12.04.49

UT04h52: recording. Control frozen. 20 blocs only car the command of 40 has not been taken into account. We see E1E2, and E2W2.

E1=-2840, E2=-3000, CLIMB_B1=6.539, CLIMB_B2=4.569. r0 ~ 9cm.

HD197770.2018.08.12.04.50

UT05h03: we go to cal HD201834. 20 blocs. r0 ~10 cm.

E1=-2850, E2=-3060, CLIMB_B1=6.509, CLIMB_B2=4.559.

HD201834.2018.08.12.05.06

UT05h16: we go back to V379 Cep/HD197770. Not a lot of flux on E1. 40 blocs this time.

E1=-2920, E2=-3000, CLIMB_B1=6.509, CLIMB_B2=4.559.

HD197770.2018.08.12.05.22

UT05h40: back to cal 1 HD201834. 20 blocs. r0 ~ 9cm. We see 2 peaks.

E1=-2820, E2=-3040, CLIMB_B1=6.519, CLIMB_B2=4.539.

HD201834.2018.08.12.05.44

UT05h53: back to V379 Cep/HD197770. 40 blocs. r0 ~ 9 cm.

E1=-2900, E2=-2950, CLIMB_B1=6.529, CLIMB_B2=4.569.

HD197770.2018.08.12.06.00

UT06h18: back to cal 1 HD201834.

E1=-2700, E2=-2870, CLIMB_B1=6.569, CLIMB_B2=4.589. 20 blocs. We see at least 2 peaks. r0 ~ 12 cm. At block 10 we see 3 peaks!

HD201834.2018.08.12.06.22

UT06h33: back to target V379 Cep/HD197770.

E1=-2840, E2=-2860, CLIMB_B1=6.579, CLIMB_B2=4.599. 40 blocs. r0 ~ 11 cm. One peak, maybe 2.

HD197770.2018.08.12.06.39

UT06h33: back to cal 1 HD201834. 20 blocs.

E1=-2700, E2=-2830, CLIMB_B1=6.579, CLIMB_B2=4.589. 20 blocs.

HD201834.2018.08.12.07.01

UT07h13: we do a spectral calibration.

D_CMR720.2018.08.12.07.11

Configuration **E2-POP2-B2 E1-POP1-B1** **V73 Winds supergiant**

UT07h19: we go to Albireo (HD183913) for LABAO.

UT07h26: we go to the first target HD190603. Not a lot of flux on E1.

UT07h30: recording for 40 blocs. r0 ~12 cm.

E1=+280, CLIMB_B1=6.609, CLIMB_B2=4.589. Nice waterfall. Big fringe.

HD190603.2018.08.12.07.28

UT07h46: we go to HD193237. 40 blocs. Nice fringe.

E1=+200, CLIMB_B1=6.609, CLIMB_B2=4.589. r0 ~10 cm.

HD193237.2018.08.12.07.50

UT08h07: we go to HD198478. 40 blocs. Nice fringe.

E1=+40, CLIMB_B1=6.599, CLIMB_B2=4.589. r0 ~8 cm.

HD198478.2018.08.12.08.12

UT08h37: we go to HD204172. 40 blocs.

E1=+370, CLIMB_B1=6.599, CLIMB_B2=4.589. r0 ~10 cm.

HD204172.2018.08.12.08.37

UT08h56: we do a spectral calibration.

D_CMR656_2018.08.12.08.56

Configuration **W2-POP3-B3 E2-POP2-B2 E1-POP1-B1** **V65 Hierarchical systems**

UT08h58: back to the LABAO star HD181276. We try to align on VEGA but there is a lot of flux fluctuation!

UT09h08: we go to the cal 1 HD177003. r0 is decreasing, ~4-5 cm.

UT09h17: a bit difficult to find the fringes.

UT09h19: r0 ~7 cm. We try to find the fringes on the check star HD192696.

UT09h48: still no fringes. r0 is low...4 cm. E1 is fluctuating a lot, no fringes even with default values.

UT09h54: the AO flat was not good on E1, it is weird that it behaves like this. Now the flux is ok.

UT09h54: fringes on CLIMB.

UT10h01: finally fringes. Recording. 20 blocs. We see 3 peaks from block 10. r0 ~6.7 cm.

E1=-2640, E2=-2190, CLIMB_B1=6.659, CLIMB_B2=4.649.

HD177003.2018.08.12.10.02

UT10h12: we go to the target V1143 CYG/HD185912.

UT10h17: fringes. We record. 60 blocs. r0 ~11 cm.

E1=-2740, E2=-2240, CLIMB_B1=6.659, CLIMB_B2=4.649.

HD185912.2018.08.12.10.16

UT10h43: back to cal HD177003. 20 blocs. r0 ~6 cm. 2 fringes are visible.

E1=-2250, E2=-1920, CLIMB_B1=6.659, CLIMB_B2=4.659.

HD177003.2018.08.12.10.47

UT10h57: spectral calibration.

D_CMR720.2018.08.12.10.58

**Configuration W2-POP3-B3 E2-POP2-B2 E1-POP1-B1
V67 Asteroseismic targets**

UT11h02: we go to the LABAO star HD9270.

UT11h09: Norm: « W2 is bad, I can't do a good flat ». Lack of flux on VEGA too.

UT11h13: E1 seems ok.

UT11h16: we go to the target HD8723.

UT11h20: fringes! Recording for 20 blocs. 2 peaks well visible.

E1=-2090, E2=-2840, CLIMB_B1=6.629, CLIMB_B2=4.629.

HD8723.2018.08.12.11.21

UT10h30: we go to the cal HD14191. 20 blocs. r0 ~7 cm, then 9 cm.

E1=-2370, E2=-3100, CLIMB_B1=6.599, CLIMB_B2=4.599.

HD14191.2018.08.12.11.35

UT11h20: back to the target HD8723. 20 blocs.

E1=-2080, E2=-2790, CLIMB_B1=6.639, CLIMB_B2=4.639.

HD8723.2018.08.12.11.48

UT11h20: we go to cal HD10982. 20 blocs. We see at least 2 peaks.

E1=-2030, E2=-2790, CLIMB_B1=6.639, CLIMB_B2=4.639.

HD10982.2018.08.12.12.01

UT12h11: and back to target HD8723.

UT12h16: central control cashed. Difficulties to relaunch it.

UT12h17: recording. r0 ~10 cm. 20 blocs.

E1=-1950, E2=-2600, CLIMB_B1=6.669, CLIMB_B2=4.659.

HD8723.2018.08.12.12.17

UT12h27: done. Waiting for to go to the last cal... Sun starts to rise 0:-)

UT12h40: no news from Norm since ~15 min. Connexion problem??

UT12h42: we call CHARA. Norm is alive, ouf! It was probably a connexion problem.

UT12h45: we go to the cal HD10982. But long after the target. 20 blocs.

E1 lost delay at bloc 17.

E1=-2030, E2=-2790, CLIMB_B1=6.639, CLIMB_B2=4.639.

HD10982.2018.08.12.12.47

D_CM720.2018.08.12.12.57

THE END OF THE NIGHT