OBSERVING LOG CHARA/VEGA 2018-08-14

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

UT02h44: Here we are.
UT02h57: all set.

Configuration W1-POP1-B3 W2-POP5-B2
V52 Cepheids

UT03h08: We start with the LABAO star HD166014.
UT03h16: No flux on NIRO. Olli goes to the lab to check what happens.
UT03h24: Olli is back. Niro power cable was disconnected.
UT03h26: still not a lot of flux on NIRO. Going to HD187811 (cal 2, brighter).
UT03h53: fringes on CLIMB, and on VEGA!
UT03h55: Crash control…
UT03h56: We go to the cal 1 HD184171.
~~**HD184171.2018.08.14.04.01**~~
The TU doesn't work. Abort.
UT04h10: recording. 20 blocs.
W2=-2370, CLIMB_B1 = 5.499.
HD184171.2018.08.14.04.09
UT04h18: We go to the target SV Vul/HD187921.
W2=-2450, CLIMB_B1 = 5.499. r0 ~10-11 cm. Nice fringe.
HD187921.2018.08.14.04.21
UT04h33: back to cal1 HD184171. 20 blocs. Nice fringe.
W2=-2400, CLIMB_B1 = 5.509. r0 ~10 cm.
HD184171.2018.08.14.04.33
UT04h44: back to target.
W2=-2460, CLIMB_B1 = 5.499. r0 ~11 cm. Nice fringe.
HD187921.2018.08.14.04.55
UT04h54: back to cal1 HD184171. 20 blocs. Nice fringes, very stable.
W2=-2440, CLIMB_B1 = 5.519. r0 ~10 cm.
HD184171.2018.08.14.04.57
UT05h06: we go to cal 2 HD187811.
UT05h08: central control frozen. We have to re-launch.
UT05h08: recording. 20 blocs. Nice fringe.
W2=-2500, CLIMB_B1 = 5.499. r0 ~10 cm.
HD187811.2018.08.14.05.11
UT05h20: we go back to the cal 1. 20 blocs.
W2=-2510, CLIMB_B1 = 5.529. r0 ~10 cm.
HD184171.2018.08.14.05.23
UT05h32: back to the target.
W2=-2530, CLIMB_B1 = 5.499. r0 ~11 cm. Nice fringe.
HD187921.2018.08.14.05.35
UT05h44: we go to cal 2 because cal 1 is transiting thus is not observable.
UT05h45: recording. 20 blocs.
W2=-2570, CLIMB_B1 = 5.499. r0 ~11 cm. Nice fringe.
HD187811.2018.08.14.05.46
UT05h56: back to target.
UT05h57: recording. 20 blocs.
W2=-2580, CLIMB_B1 = 5.499. r0 ~8 cm. Nice fringe.
HD187921.2018.08.14.05.58

UT06h07: back to cal 1.
UT06h10: aligning on NIRO…
UT06h19: not possible to align on NIRO.
UT06h25: aligned. Recording for 20 blocs.
W2=-2660, CLIMB_B1 = 5.599.
HD184171.2018.08.14.06.25
Spectral calibration **D_CMR720.2018.08.14.06.36**

Configuration E1-POP1-B1 E2-POP2-B2
V52 Cepheids

UT06h37: we start with the LABAO star HD166014.
UT06h56: aligned and fringes on both CLIMB and VEGA. Going to cal 1.
UT07h00: Recording. 20 blocs. r0 ~9 cm, but decreases to 7 cm.
E1=+310, CLIMB_B1 = 6.700, CLIMB_B2 = 4.589.
HD184171.2018.08.14.07.00
UT07h10: going to the target SV Vul. A bit difficult to find the fringes in CLIMB.
UT07h14: recording. 20 blocs. r0 ~8 cm.
E1=+420, CLIMB_B1 = 6.700, CLIMB_B2 = 4.589.
HD187921.2018.08.14.07.14
UT07h24: back to cal 1 HD184171.
UT07h26: recording. 20 blocs. Some piston but nice fringes anyway.
E1=+160, CLIMB_B1 = 6.720, CLIMB_B2 = 4.589.
HD184171.2018.08.14.07.26
UT07h36: back to target SV Vul.
UT07h38: recording. 20 blocs. r0 ~6 cm. Tracking in not very good.
E1=+270, CLIMB_B1 = 6.700, CLIMB_B2 = 4.589.
r0 increases to 8 cm.
HD187921.2018.08.14.07.38
UT07h48: aligning NIRO on the target.
UT07h54: back to cal 1 HD184171.
UT07h55: Recording. 20 blocs. r0 ~8 cm. Piston.
E1=-30, CLIMB_B1 = 6.700, CLIMB_B2 = 4.589.
HD184171.2018.08.14.07.55
UT07h55: going to cal 2 HD187811.
UT07h56: Recording. 20 blocs. Fringes have moved by 100 µm, that's weird. A lot of piston.
E1=+90, CLIMB_B1 = 6.620, CLIMB_B2 = 4.589. r0 ~6 cm.
HD187811.2018.08.14.08.06
UT08h15: back to cal 1 HD184171.
UT08h16: recording. 20 blocs. r0 ~7 cm. Bad tracking. But we see the fringes on VEGA anyway.
E1=-190, CLIMB_B1 = 6.620, CLIMB_B2 = 4.589. r0 ~7 cm. Bad tracking.
HD184171.2018.08.14.08.18
UT08h27: back to target SV Vul.
UT08h30: crash of central control.
~~**HD187921.2018.08.14.08.29**~~
UT08h32: recording. 20 blocs. r0 ~6 cm.
E1=-60, CLIMB_B1 = 6.610, CLIMB_B2 = 4.589.
HD187921.2018.08.14.08.32
UT08h41: back to cal 1 HD184171.
UT08h44: recording for 20 blocs.
E1=-290, CLIMB_B1 = 6.610. r0 ~7 cm. A lot of piston, bad tracking.
r0 decreases to 5 cm.
HD184171.2018.08.14.08.44
UT08h54: back to target.
UT08h55: recording. 20 blocs. Nice fringes but r0 ~4 cm. Good tracking.

E1=-190, CLIMB_B1 = 6.610, CLIMB_B2 = 4.589.
HD187921.2018.08.14.08.56
UT09h05: back to cal 1 HD184171.
E1=-320, CLIMB_B1 = 6.610. r0 ~5 cm. Nice fringe but a lot of piston.
Fringes very weak at bloc 13.
HD184171.2018.08.14.09.08
Spectral calibration **D_CMR720.2018.08.14.09.19**

Configuration E1-POP1-B1 E2-POP2-B2
V74 Chiavassa

UT09h19: we start with HD192425 to align NIRO.
UT09h27: going to cal 1 HD189090.
E1=+20, CLIMB_B1 = 6.630. Very bad tracking, difficult to see the fringes on CLIMB. But we see them well on VEGA. 20 blocs.
HD189090.2018.08.14.09.30
UT09h39: we go to the target HD190658.
UT09h41: recording. 20 blocs. Fringes are there right away.
E1=+60, CLIMB_B1 = 6.630. r0 ~6 cm but tracking is ok.
HD190658.2018.08.14.09.41
UT09h50: now we go to cal 2 HD190993.
UT09h52: recording, 20 blocs. r0 ~6 cm. Bad tracking but we clearly see the fringes on VEGA.
E1=-120, CLIMB_B1 = 6.620.
HD190993.2018.08.14.09.52
UT10h01: back to target SV Vul.
UT10h02: recording for 20 blocs. r0 ~6 cm. Good fringe.
E1=+80, CLIMB_B1 = 6.620.
HD190658.2018.08.14.10.03
UT10h12: we go back to cal 1 HD189090.
UT10h12: recording. 20 blocs. r0 ~5 cm. A lot of piston, but we see the fringe on VEGA.
E1=-100, CLIMB_B1 = 6.620.
HD189090.2018.08.14.10.18
UT10h28: back to target HD190658 for the last time. 20 blocs. r0 ~6 cm.
E1=+160, CLIMB_B1 = 6.620.
HD190658.2018.08.14.10.29
UT10h38: back to cal 2 HD190993.
UT10h41: recording. 20 blocs. r0 ~ 7cm.
E1=-20, CLIMB_B1 = 6.620. CLIMB fringes move a lot, but they are well visible on VEGA.
HD190993.2018.08.14.10.41
Spectral calibration **D_CMR720.2018.08.14.10.51**

Configuration W1-POP1-B3 W2-POP5-B2 S2-POP4-B1
V67 Asteroseismic targets

UT10h52: we go to the check star HD15318 to do the LABAO + alignement.
UT11h13: we have the fringes on VEGA and on CLIMB. All set on CLIMB but VEGA tracker is frozen.
UT11h16: Crach of the central control.
UT11h17: we go to the first cal HD560. But we are still in S2-POP5 so we have to change the POP.
UT11h33: VEGA control frozen again. Re-opening…
UT11h36: no flux on VEGA. The cal 1 will lose delay, so we switch and we go to HD6530.
UT11h39: red camera interface frozen.
UT11h46: looking for fringes…
UT11h56: still no fringes…

UT12h03: we try on the cal HD10982.
UT12h08: W1S2 are there but not W1W2…
UT12h11: finally we've got all fringes on CLIMB.
UT12h12: finally recording on HD10982.
S2=-2950, W2=-2460, CLIMB_B1=7.400, CLIMB_B2=5.759.
TU frozen.
HD10982.2018.08.14.11.37 mais TU=12.13
We see 2 nice fringes on VEGA, weak fringes on CLIMB.. r0 ~9 cm.
UT12h23: we go to the target HD5654. The sun is slowly rising…
20 blocs.
S2=-3220, W2=-2930, CLIMB_B1=7.400, CLIMB_B2=5.759.
HD5654.2018.08.14.12.26
No S2 anymore at bloc 10, back at bloc 14. We add 5 blocs, so 25 in total.
UT12h38: back to cal2 HD10982. r0 ~9 cm. 20 blocs. It's almost daylight… We see 2 peaks on VEGA, and maybe a 3rd peak.
S2=-3000, W2=-2600, CLIMB_B1=7.400, CLIMB_B2=5.759.
Weak fringes on CLIMB.
HD10982.2018.08.14.12.42
Spectral calibration **D_CMR720.2018.08.14.12.52**

- END OF THE NIGHT -
- END OF THE RUN -