

OBSERVING LOG CHARA/VEGA 2019-07-09

Observers: Frédéric et Roxanne, live from CalernChris on the mountain

UT03h20: We are here and we open. Tests with CESAR until UT05:10.

Pas d'amélioration suite aux tests sur le soft de l'AO

On a tout de même enregistré qqs données puis on a laissé la main aux obs VEGA en remote.

HD164058, S2 +AO, Telemetry

close loop (damping=0.25, gain=0.25, memory=0.99) ..1.fits

open loop ...2.fits

close loop (damping=0, gain=0, memory=0) ..3.fits

Enregistrement images plan focal :

OA : leak 1, gain 0,25, damping 0

CL TT CESAR : 070127-070215

CL sans TT CESAR : 070314-070401

OL : 070447-070534

DARK 071923

Configuration S1-POP3-B1 W1-POP3-B3V01 - Ligi

Target = HD133112/HR5599Cal1 = HD129956Cal2 = HD154445

UT05h13: we start with the LABAO star HD135742. UT05h22: « Programme V01, hélas » dit Fred ! UT05h34: We got to cal 1. We have a lot of light whereas everything is close...weird. UT05h44: it was the beacon for CESAR. Problem solved. UT05h46: problem again. Too much light. UT05h53: fringes on CLIMB. UT05h59: we finally find the fringes on VEGA. There was a pb with the optilab probably because we didn't start again everything from here after the CESAR tests.

HD129956.2019.07.08.06.00

S1 = -1690 and CLIMB_B2 = 4.33. UT06h02: lost fringes on CLIMB. UT06h04: apparently S1 is out...no fringes on VEGA either. UT06h07: we were on the wrong POPs! That's why we lost fringes. UT06h29: fringes everywhere. Recording!

HD129956.2019.07.08.06.29

S1 = -1130 and CLIMB_B2 = 4.30. Very stable fringes. UT06h39: go to target.

HD133112.2019.07.08.06.41

S1 = -1200 and CLIMB_B2 = 4.30. Nice fringes. 30 blocs. UT07h01: we go to cal 2 but it is very far away. Not sure it makes sense to use it...

HD154445.2019.07.08.07.02

S1 = -1810 and CLIMB_B2 = 4.20. Spectral calibration D_CM720.2019.07.08.07.14 Very nice seeing so far by the way.

Configuration S2-POP2-B1 W2-POP5-B2V67 - Creevey

Target = HD185955Cal1 =

HD187235Cal2 =

HD189066

UT07h01: we start with the LABAO star HD186882. UT07h30: pupil S2 is awfull. UT07h43: Chris checks on M10. But still the same. It seems that all the light in on one side of the pupil. And there's not flux on the camera... There is light on B2 so it's not a camera pb. UT08h05: still no flux on S2. We change the config because we already lost 1h.

Configuration W2-POP5-B2 W1-POP3-B3V67 - Creevey

Target = HD185955Cal1 =
HD187235Cal2 = HD189066

UT08h09: we keep the same program.UT08h11: everything is frozen... -_-UT08h14: we are on the LABAO HD186882.UT08h18: we thought that W1 was the ref but it is actually W2.UT08h22: we're close to zenith so fringes are not great. But fringes on VEGA+CLIMB.

HD187235.2019.07.08.08.26

W1=-700, CLIMB_B2=4.54Tracking not very good.
20 blocs.UT08h35: we go to the target.

HD185955.2019.07.08.08.45

W1=-840, CLIMB_B2=4.56Fringes are well stable. Nice fringes everywhere.UT08h52: we go back to cal 1.

HD187235.2019.07.08.08.59

W1=-750, CLIMB_B2=4.56r0
has dropped to ~6-8
cm.UT09h10: back to target.

HD185955.2019.07.08.09.14

W1=-882, CLIMB_B2=4.57UT09h25: we go to cal 2. We have to turn the telescopes all around...UT09h39: recording.

HD189066.2019.07.08.09.39

W1=-760, CLIMB_B2=4.58UT09h53:
we go back to the target.

HD185955.2019.07.08.09.54

W1=-850, CLIMB_B2=4.58 r0
still around 8 cm. UT10h03:
back to cal1.

HD187235.2019.07.08.10.07

W1=-820, CLIMB_B2=4.58Fringes move on CLIMB.Spectral calibration
D_CM720.2019.07.08.10.18

W2 ref -> W1 ref

Target =
HD182694Cal1 =
HD187235 Cal2 =
HD189066

UT10h20: back to cal1.

HD187235.2019.07.08.10.23

W2=60, CLIMB_B2=4.60UT10h35: we go to the target HD182694.

HD182694.2019.07.08.10.37

W2=110, CLIMB_B2=4.60r0~9
cm, fringes very
stable.UT10h50: we go to cal 2.

HD189066.2019.07.08.10.49

W2=60, CLIMB_B2=4.60r0~10 cm.UT12h00: we go to the target HD182694.

HD182694.2019.07.08.11.02

W2=130, CLIMB_B2=4.61Fringes very stable. Still r0~10
cm.We lost fringes on blocs 14 and 15. We add 2
blocs.UT11h13: back to cal1.UT11h18: OPLE
crash!UT11h31: seems ok. Recording.

HD187235.2019.07.08.11.31

W2=-390, CLIMB_B2=4.61UT11h40: we go to the target

HD182694.

HD182694.2019.07.08.11.45

W2=-290,

CLIMB_B2=4.65r0~10 cm. Very
nice fringes. UT11h57: back to
cal1.

HD187235.2019.07.08.11.57

W2=-330, CLIMB_B2=4.65 Spectral calibration

D_CMR720.2019.07.08.12.07

THE END