

Log CHARA/VEGA 2019-05-05

Observers: Fred, Nicolas (report) & Norm (CHARA)

en UTC:

02:30 Clear Sky

V01 R. Ligi. S1 P1 B2 W2 P5 B3 (ref)

Left peak: S1W2 offset 150um

Config CLIMB

[E1 P1 B1]

S1 P1 B2

W2 P5 B3 (ref)

Target = HD97658

CAL1 = HD96738

CAL2= HD107168 (but difficult K=5.9)

LABAO =HD89025

check = HD95608

03:26 Matt is setting the DM for S2

03:20 OPLE problems. Restart.

03:39 Slewing to LABAO

“Patience, no science”

03:54 Alignment on NIRO and VEGA. Restart VEGA control because of light alarm. The flux on VEGA is fluctuating.

04:02 We slew to check

04:10 Scanning on CLIMB

04:14 Fringes found on CLIMB at zero. Nice fringes.

04:16 Fringes on VEGA. Cophased.

04:19 Slew to cal1

HD96738.2019.05.05.04.21

S1 630um

CLIMB_B2 4.29

Nice fringes on CLIMB. Nice fringes on VEGA. Seeing 4 cm if we believe CHARA... Much better probably. S/N ~15.

We have snow on Calern !!!



HD97658.2019.05.05.04.34

S1 620um

CLIMB_B2 4.29

Very nice fringes on CLIMB. But not clear on VEGA. No much flux... We hardly see them.

HD96738.2019.05.05.04.54

S1 630um

CLIMB_B2 4.29

HD97658.2019.05.05.05.06

S1 620um

CLIMB_B2 4.29

Waterfull is fine

VEGA peak is hardly seen after 15 blocs ...

HD96738.2019.05.05.05.27

S1 620um

CLIMB_B2 4.30

HD97658.2019.05.05.05.40

S1 600um

CLIMB_B2 4.30

Waterfall is quite bad...

CHARA is indicating a seeing of 4-5cm...

Difficult to see VEGA fringes.

HD96738.2019.05.05.06.01

S1 630um

CLIMB_B2 4.32

D_CM720.2019.05.05.06.12

New configuration; new target

E1 P1 B1

S1 P1 B2 (ref)

[W2 P5 B3]

We observe with 2T with VEGA E1S1

Target=HD133112

Cal1= HD132953

Cal2= HD154445

LABAO=HD133165

Check=HD124224

Warning: cal1 is too far from the star

Instead, the check we found is not too bad.

06:16 Problem with E1 finder...

06:17 E1 finder ok, but no stars...

"Theo left E1 root so my guis can't talk to them"

We decide to change the config:

S2 P5 B1

E2 P2 B2 (ref)

[W2 P5 B3]

06:38 LABAO

S2 pupil is not very nice, because of DM. We have a factor 2 in flux between the E2 and S2... This is not so good for the fringes. However, seeing is better: 10 cm compared to 5 cm at the beginning of the night...

06:49 we slew to check

07:07 Difficulty to find fringes with CLIMB!

07:35 Still no fringes! Realignment. No fringes!

07:51 We try on cal2 even if far from the target...`

08:13 No fringes on this star also ! Seeing is still good 12cm (frustrating).

No data finally in this program/star.

New program V67 (PI: Creevey)

W1 P1 B2

W2 P5 B3 (ref)

Left peak: W1W2 offset 150um

Target = HD185264

Cal1 = HD178207

Cal2 = HD183534

target = LABAO = check

8:44 Cophased. Fringes on CLIMB are nice (W1 2150).

8:45 We slew to cal1

HD178207.2019.05.05.08.47

W1 2010

CLIMB_B1=3.84

Waterfall, average/bad at the beginning, better at the end.

Fringes on VEGA are quite nice.

Seeing de 12cm

HD185264.2019.05.05.08.58

W1 2100

CLIMB_B1=3.84

Waterfall wonderful!

Nice fringes on VEGA.

09:12 Reboot OPLE

HD183534.2019.05.05.09.12

W1 1960

CLIMB_B1=3.84

Nices fringes CLIMB, but not very good on VEGA.

Not very good calibrator for this program.

HD185264.2019.05.05.09.35

W1 1950

CLIMB_B1=3.84

HD178207.2019.05.05.09.47

W1 1860

CLIMB_B1=3.84

Cal 1 is better than cal 2 !

HD185264.2019.05.05.09.57

W1 1890

CLIMB_B1=3.84

Excellent fringes. Very nice. Excellent seeing.

HD178207.2019.05.05.10.11

W1 1830

Nice Fringes

CLIMB_B1=3.86

HD185264.2019.05.05.10.23

HD178207.2019.05.05.10.35

D_CMR720.2019.05.05.10.50

E2 P2 B2

W2 P5 B3 (ref)

Left peak: E2W2 offset 150um

We slew to target to align and check

HD178207.2019.05.05.11.08

Waterfall is nice, fringes on VEGA are very nice and the seeing is still good 10cm (but decreasing slightly).

E2 1320um

CLIMB_B1=4.37

HD185264.2019.05.05.11.19

E2 1340um

CLIMB_B1=4.37

HD178207.2019.05.05.11.31

E2 1340um

CLIMB_B1=4.39

HD185264.2019.05.05.11.43

E2 1380um

CLIMB_B1=4.39

Nice fringes for all the whole series...

HD178207.2019.05.05.11.55

E2 1320um

CLIMB_B1=4.39

HD185264.2019.05.05.12.06

HD178207.2019.05.05.12.36

E2 1270um

CLIMB_B1=4.39

Waterfall no very good. Seeing good 10 cm. And VEGA fringes are not seen.

D_CM720.2019.05.05.12.47

Snow on Calern !

