

Log CHARA/VEGA 2019-08-22

Observers: Fred (VEGA), Nicolas (Report and CoffeeS)
Olli (Mt Wilson)

UTC time:

02:40 Starting Observing Night

Tonight: engineering night (DM). E1 and E2 are not available.

S2 POP4 B1 W2 POP5 B2 (ref)

V01 (R. Ligi) – HD189733

OPD offset: +150 μ m (left) -300 μ m (right)

Target HD189733

Cal1 = HD190993

Cal2 = HD196740

LABAO = 189319 (given by Olli, not in SearchCal) ; check = HD187811

HD190993.2019.08.21.03.27

S2=-1650

CLIMB_B1=7.54

CLIMB_B2=4.88

20 blocks

HD189733.2019.08.21.03.38

S2=-1600

40 blocks

We record without seeing the fringes (faint target).

Seeing of 15 cm.

CLIMB stable. We do not see the fringes on VEGA even after 30 blocks... Let's hope you will see them when reducing the data.

HD196740.2019.08.21.04.01

S2 = -1640

CLIMB_B1=7.54

CLIMB_B2=4.88

HD189733.2019.08.21.04.13

S2=-1460

40 blocks

We see the fringes on VEGA !

HD190993.2019.08.21.04.35

S2=-1350

CLIMB_B1=7.55

CLIMB_B2=4.88

20 blocks

HD189733.2019.08.21.04.46

S2=-1330

40 blocks

We see the fringes on VEGA !

HD196740.2019.08.21.05.06

S2=-1340

D_CMR720.2019.08.22.05.16

Note the calibrators of HD185955 and HD181878 are fainter than 6.0. We cannot observe such targets.

W2 POP5 B2 (ref) W1 POP2 B3

V67 (O. Creevey) – HD183124

OPD offset: +150 μ m (left)

target=HD183124

cal1=HD177003

cal2=HD183524

labao=HD186882

check=HD180163

OPLÉ problems on the check

HD177003.2019.08.21.05.58

W1 -1130

CLIMB_B1=7.39

CLIMB_B2=4.63

HD183124.2019.08.21.06.11

W1 -1080

CLIMB_B1=7.51

CLIMB_B2=4.88

HD183534.2019.08.21.06.27

W1 -1190

HD183124.2019.08.21.06.39

W1 -1010

HD177003.2019.08.21.06.51

W1 -1170

Nice conditions for all the series. CLIMB not very good. Seeing around 12 cm.

HD183124.2019.08.21.07.03

W1 -770

HD183534.2019.08.21.07.18

W1 -1100

Fringes are nice on CLIMB a bit weak on VEGA.

D_CMR720.2019.08.22.07.28

W2 POP5 B2 (ref) W1 POP2 B3
V67 (O. Creevey) – HD187217

OPD offset: +150 μ m (left)

The same calcs are used for this target. Use the previous one at 07.18

HD187217.2019.08.21.07.37

W1 -1020

The expected V2 on this target and baseline is 0.85 which is not very constraining. We decide to move to W2S2 on the first target in order to take benefit of the good seeing.

HD177003.2019.08.21.07.49

W1 -930

CLIMB_B1=7.41

CLIMB_B2=4.61

D_CMR720.2019.08.22.07.59

S2 POP1 B1 W2 POP5 B2 (ref)
V67 (O. Creevey) – HD183124

OPD offset: +150 μ m (left)

target=HD183124

cal1=HD177003

cal2=HD183534

labao=HD186882

check=HD180163

HD177003.2019.08.21.08.17

S2 290

CLIMB_B1=7.58

CLIMB_B2=4.88

Nice CLIMB and VEGA fringes

HD183124.2019.08.21.08.28

S2 280

We see clearly the fringes despite low expected V2 of 0.2.
Excellent seeing.

HD183534.2019.08.21.08.39

S2 260

Nice fringes

HD183124.2019.08.21.08.50

S2 350

Nice fringes

HD183534.2019.08.21.09.02

S2 300 (not so much delay now)

Nice fringes

HD183124.2019.08.21.09.13

S2 430

Nice fringes

Seeing around 9 cm.

D_CM720.2019.08.22.09.23

W2 POP5 B2 (ref) W1 POP2 B2

V67 (O. Creevey) – HD188853

OPD offset: +150 μ m (left)

Target = HD188853

cal =HD183534

LABAO=HD186882

check=HD184006

HD183534.2019.08.21.09.36

S2 -840

7.40 et 4.66 pour CLIMB_B1 et CLIMB_B2

HD188853.2019.08.21.09.47

S2 -730

7.40 et 4.66 pour CLIMB_B1 et CLIMB_B2

HD183534.2019.08.21.09.58

S2 -800

Nice fringes

HD188853.2019.08.21.10.09

S2 -710

7.40 et 4.66 pour CLIMB_B1 et CLIMB_B2

HD183534.2019.08.21.10.21

S2 -770

Nice fringes

OPLE crash

HD188853.2019.08.21.10.59

S2 -650

7.43 et 4.69 pour CLIMB_B1 et CLIMB_B2

Extremely nice fringes !

HD183534.2019.08.21.11.11

S2 -690

Belles franges

D_CMR720.2019.08.22.11.21

S2 POP2 B1 W2 POP5 B2 (ref) W1 POP2 B3
V38 (A. Salsi)

OPD offset: +150 μ m (left) -300 μ m (right)

Target=HD886
cal 1 = HD1439
cal 2 = HD560
labao=check=target

HD560.2019.08.21.11.40

S2 = -400
W1=-750
CLIMB_B1 = 7.47
CLIMB_B2 = 4.45
Nice fringes

HD886.2019.08.21.11.50

S2 = -410
W1=-800
Nice fringes

HD560.2019.08.21.12.01

S2 = -320
W1=-790
Nice fringes

HD886.2019.08.21.12.12

S2 = -300
W1=-760
Nice fringes

HD560.2019.08.21.12.23

S2 = -210
W1=-680
Nice fringes

HD886.2019.08.21.12.33

S2 = -200

W1=-750

Nice fringes

HD560.2019.08.21.12.48

S2 = -100

W1=-630

Nice VEGA fringes. CLIMB got difficulties to track. Actually, no tracking for peak 1.

D_CMR720.2019.08.22.12.58