

Log CHARA/VEGA 2020-06-09

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

UTC time:

03:00 Starting Observing Night

W1 POP2 B2 W2 POP5 B3 (ref)

V67 (O. Creevey) – HD89221

OPD offset: +150 μ m (left)

Target HD89221, PI: 'Creevey', Prog: 'V67'.

Cal1 = HD89904

Cal2 = HD95934

LABAO = HD82741; check = HD85795

Norm, 05:22

and we will do labao sky flats and tel dm flats

Fred, 05:25

Can't we have active TELAO on stars?

Norm, 05:26

not with spare glass, gray glass is not yet usable. Blue beacons are being added to make it work better

Judit has set it up for lab tt

Nothing was specified in set up request, but the current blue beacons are not good on the E's so results are very different

Fred, 05:30

So that why it's better to use lab tt ?

Norm, 05:31

until blue beacons make all telescopes work on gray glass

In conclusion, we have TELAO, not LABAO

03:42 lock on AO star, flats done, check of VEGA pupils (=> not so bad). W2 is fine, W1 not so good. We try to do the LABAO flat on a brighter star (HD96833).

03:55 To check. Alignment.

04:12 Norm: *i have W2 as ref and on auto since it can't track. LDC doesn't know where to go. It is at 2m. where should LDC be? I set ref to 2m then auto again so it moved LDC to 2m and I have fringe. if you have fringe, we should be good.*

04:15 Fringes on CLIMB (ugly) and on VEGA. Cophasing.

04:34 Fringes on Cal 1 with CLIMB. Extremely ugly. Seeing extremely bad because of wind, most probably! We are borderline.

HD89904.2020.06.09.04.44

W1 -1240

CLIMB_B2=4.60

30 blocs

Fringes on CLIMB are ugly. We see them on VEGA. Seeing around 5 cm, but wind. LDC are "in butée".

HD89221.2019.06.09.05.02

W1 -1280

30 blocs

Seeing 6.5 cm.

Fringes are a bit better.

HD89904.2020.06.09.05.31

W1 -1190

CLIMB_B2=4.56

30 blocs

Seeing is increasing slowly to 7 cm. Still windy.

HD89221.2019.06.09.05.48

W1 -1260

30 blocs

Tracking not so good. But VEGA fringes are rather nice. Seeing get back to 6 cm.

HD95934.2020.06.09.06.09

W1 -1270

CLIMB_B2=4.57
30 blocs

D_CMR720.2020.06.09.06.27

E1 POP1 B1 W1 POP2 B2 (ref)
V38 (A. Salsi) – HD160762

OPD offset: +150 μ m (left)

Target = HD 160762
Cal 1 = HD 167965
Cal 2 = HD 162132

Target is used for LABAO and check.
Pupil W1 is rather bad. Realignment. A bit better.
Several tests to improve the pupils are done by toggling def flat and sky flat. Beacon Redone. Scan with CLIMB.

We check fringes on target and then move to cal 2.

HD162132.2020.06.09.07.31

E1 1940
CLIMB_B1=6.13
CLIMB_B2=4.65
30 blocs
Fringes are weak on VEGA. Seeing of 9 cm.

HD160762.2020.06.09.07.48

E1 2070
CLIMB_B1=6.16
20 blocs
Fringes are nice on CLIMB. Seen on VEGA. Seeing of 9 cm.

HD167965.2020.06.09.08.04

E1 2130
CLIMB_B1=6.16

CLIMB fringes are well tracked. VEGA fringes are weak. Seeing
of 9 cm.
30 blocs

HD160762.2020.06.09.08.27

E1 2110
CLIMB_B1=6.19
20 blocs

We move the karts

HD167965.2020.06.09.08.46

E1 2200
CLIMB fringes are tracked, but we do not see the fringes at the
beginning of the recording...
... and at the end, we (probably) see them, but very weak

HD160762.2020.06.09.09.05

E1 2100
CLIMB_B1=6.22
20 blocs
CLIMB and VEGA fringes seen.

Alignment...

HD162132.2020.06.09.09.33

30 blocs

HD160762.2020.06.09.09.50

E1 1950
CLIMB_B1=6.26
20 blocs
Microcoupures électriques ...
Rather nice fringes on CLIMB and VEGA

HD167965.2020.06.09.10.09

E1 2020
20 blocs

D_CMR720.2020.06.09.10.21

W1 POP2 B2 W2 POP5 B3 (ref)
V70 (R. Klement) – HD193237

OPD offset: +150 μ m (left)

Target= HD193237

Cal 1= HD191243

Cal 2= HD197392

Target=LABAO=check

11:00 CLIMB crashed

“ clock is wrong on climb server, rebooting ”

11:15 “ climb server just won't work, clock is always wrong and won't correct itself with gps sync ”

We stop the night 45 min before sunset. No way to fix this problem.