

## Log CHARA/VEGA 2019-02-25

Observers: Fred (vegatonaute), Nicolas (co-vegatonaute), Chris (charatonaute)

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en UTC:

01:56 We enter the VEGA room.

Initial setting

- E1 B1 P1
- E2 B2 P2 (ref)
- Target: HD 52973, PI=Nardetto, Prog=V52
- Target is possible as LABAO and check star
- cal1=HD49908, cal2=HD54801

Additional setting

- S1 B2 P4
- S2 B1 P5
- W2 B3 P5

VEGA configuration

- Bare glass for the tel WFS
- 13% BS for the lab tip/tilt
- LDC on and active
- Pico6 box ON
- CLIMB123 as group delay tracker

**V52: Nicolas – Zeta Gem**

- **E1 B1 P1**
- **E2 B2 P2 (ref)**

02:21 All set

Clouds... clouds...clouds...

05:19 Thin clouds. We open

05:30 check alignments on the target

05:40 slew to cal1=HD49908

**HD49908.2019.02.25.05.48**

Weak fringes. S/N around 5. R0 around 6.

E1=3040um

CLIMB\_B1=6.64  
CLIMB\_B2=4.59  
6:00 techcam issue on VEGA

HD52973.2019.02.25.06.02

We see the fringes. But still difficult... Conditions are not so good. Thin clouds...  
E1=3000um

HD49908.2019.02.25.06.15

E1=3020um  
Fringes are very weak on CLIMB and VEGA. We add 20 blocs.

HD52973.2019.02.25.06.37

E1=3020um  
Relatively nice fringes compared to cal. R0 around 6 and 7.  
Central Control CRASH

HD49908.2019.02.25.06.52

Fringes on CLIMB very very weak, almost not here. No more flux on VEGA... Difficult.  
E1=3120um



07:13 Standby 10 min.

**D\_CM720.2019.02.25.07.16**

**HD49908.2019.02.25.07.34**

E1=3300um

Difficult situation with thin clouds. Weak fringes on CLIMB, but quite ok for VEGA. We keep 20 blocs. R0=7cm.

7:50 CHARA issues...

8:09 CHARA issues resolved...

**HD52973.2019.02.25.08.10**

E1=3430um

R0=6.5cm. Fringes are quite weak, but here.

V2 is increasing a bit with AH; we stay on E1E2 instead of using S1S2. We miss time for that...

The star is too low... too difficult with clouds. We have to change the program. We cannot go directly on V67 on the same configuration unfortunately; we move to V38.

**V38: Anthony**

**E1 B1 P1 ; E2 B2 P2, W2 B3 P5 (ref)**

**target is HD89021**

**cal 1 = HD 85 795**

**Check on the target**

08:26 We slew to the target (check)

08:35 Chris: 'Almost zero light' on CLIMB (K=3.4 but clouds)!

08:39 Standby

12:30 Still heavy clouds. We decide to stop.