

## Log CHARA/VEGA 2020-06-16

Observers: Fred (VEGA), Roxanne (Report)  
Olli (Mt Wilson)

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### UTC time:

03:03 Starting Observing Night

03:26: still some work on W1. Waiting...

04h53: start aligning CHARA.

## **S1 POP5 B2 (ref) - E1 POP1 B1** **V01 (R. Ligi) – HD133112**

**Target HD133112, PI: 'Ligi', Prog: 'V01'.**

**Cal1 = HD124988**

**Cal2 = HD154445**

**LABAO = HD132052; check = HD129956**

04:14: aligning on VEGA.

04:25: OPLE crash.

04:31: searching for fringes...

04:41: still nothing.

04:45: it seems that there are some clouds. That's why we couldn't align NIRO and find fringes !

05:07: the zoot restart was not successful...

05:28: everything's stuck...

## **W2 POP5 B2 (ref) - S2 POP2 B1** **V67 (O. Creevey) – HD187217**

**PI : Creevey**

**target = HD187217**

**cal 1 = HD178207**

**cal 2 = HD184171**

## check star = cal 2

06:11: some technical problems on the VEGA side, things are frozen.

06:14: LABAO still down.

06:20: slit control not responding. Olli goes there to open manually.

06:53: we have something!

06:57: the periscope doesn't want to move... -\_-

07:03: S2 finally moves but there are clouds.

07:12: locked on W1W2 but can't lock on S2 because of the clouds.

Stand by.

08:24: finally go to check star/cal2.

08:25: the periscope doesn't want to move.

08:27: now it works.

08:41: very bad pupil on S2. Whyyy??

08:54: it seems that we've got fringes!

08:58: or rather it seemed because we don't see them anymore...

08:59: got them!!

Recording on cal2!!

**HD184171.2020.06.16.09.01**

S2 at 140.

Climb\_B1 at 7.38 and Climb\_B2 at 4.81.

Fringes are weak but they are there. 30 blocs.

Careful, humidity is rising...

Weak fringes on climb, but we see them on vega.

09:14: go to target.

**HD187217.2020.06.16.09.22**

S2 at 220.

30 blocs. We see the peak on both vega and climb, but the waterfall is not steady. And humidity is still rising.

09:35: we go to cal 1. Olli needs to slew the scopes around.

10:01: still looking for fringes...

10:34: still nothing. Back to cal 2.

11:04: NIRO crash.

11:31: total bordel.

11:35: re-homing of the carts.

11:56: we see the fringes on vega but not on climb.

12:04: spectral calibration

**D\_CMR720\_2020.06.16.12.04**

**End of the non-glorious night  
End of the glorious run!**