

# Log CHARA/VEGA 2019-10-07

Observers: Fred (VEGA), Anthony (Slave), Norm (Mt Wilson)

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## UTC Time :

01:35 Arrival in the control room.

01:40 The weather conditions in Mount Wilson are very nice : low rh, clear sky, not much wind. We should have a great night of observations (we hope)

01:46 VEGA is ready

01:53 AOs done. Ready for alignements.

01:59 VEGA aligned

02:15 Fringes can't be found. Olli : « We're going to far negative in az so I'll swing the scopes around before continuing with the search »

**E2 POP2 B2 W2 POP5 B3**

**V67 (O. Creevey)**

**OPD offset : +150  $\mu$ m**

Target = HD183124

Cal1 = HD187235; Cal2 = HD177003

LABAO = HD186882; Check = HD180163

HD187235.2019.10.07.02.48

E2 = -2760

CLIMB\_B2 = 5.15

R0 = 11cm.

Fringes are transient, very bad tracking during the record

HD183124.2019.10.07.03.01

E2 = -2560

CLIMB\_B1 = 5.15

Very nice tracking

R0 = 6cm.

HD177003.2019.10.07.03.14

E2 = -2430

CLIMB\_B2 = 5.15

HD183124.2019.10.07.03.28

E2 = -2390

CLIMB\_B1 = 5.15

HD187235.2019.10.07.03.42

E2 = -2420

CLIMB\_B2 = 5.15

HD183124.2019.10.07.03.55

E2 = -2230

CLIMB\_B1 = 5.15  
R0 = 9cm.

HD177003.2019.10.07.04.07  
E2 = -2100  
CLIMB\_B2 = 5.15  
R0 = 6cm.

D\_CM720.2019.10.07.04.17

**Target = HD188853**  
**Cal1 = HD183534; Cal2 = HD187235**  
**LABAO = HD186882; Check = Target**

**04:25 OPLE crash**

HD183534.2019.10.07.04.40  
E2 = -2680  
CLIMB\_B2 = 5.16  
R0 = 12 cm, seeing strongly increased, very good tracking on CLIMB.

HD188853.2019.10.07.04.51  
E2 = -2660  
CLIMB\_B1 = 5.15

**05:00 LDCs were off so far. They are « on » now.**

HD187235.2019.10.07.05.08  
E2 = -2680  
CLIMB\_B2 = 5.20

HD188853.2019.10.07.05.22  
E2 = -1900  
CLIMB\_B1 = 5.20

HD183534.2019.10.07.05.34  
E2 = -1760  
CLIMB\_B2 = 5.16

HD188853.2019.10.07.05.46  
E2 = -1750  
CLIMB\_B1 = 5.20

HD187235.2019.10.07.05.57  
E2 = -1480  
CLIMB\_B2 = 5.21

D\_CMR720.2019.10.07.06.08

**E1 POP1 B1 E2 POP2 B2**  
**V27 (D. Mourard)**  
**OPD offset : +150  $\mu$ m**

**Target = HD31964**  
**Cal1 = HD32630**  
**LABAO = Target; Check = Target**

HD32630.2019.10.07.06.27

E1 = 3010

CLIMB\_B1 = 6.07

CLIMB\_B2 = 4.98

**R0 = 11 cm, fringes well visible, good tracking**

HD31964.2019.10.07.06.38

E1 = 3010

CLIMB\_B1 = 6.07

CLIMB\_B2 = 4.98

AH = -5H

HD32630.2019.10.07.06.50

E1 = 2830

CLIMB\_B1 = 6.07

CLIMB\_B2 = 4.98

**R0 = 15 cm !!!**

HD31964.2019.10.07.07.01

E1 = 2660

CLIMB\_B1 = 6.07

CLIMB\_B2 = 4.98

AH = -4.40

HD32630.2019.10.07.07.12

E1 = 2700

CLIMB\_B1 = 6.07

CLIMB\_B2 = 4.98

HD31964.2019.10.07.07.22

E1 = 2660

CLIMB\_B1 = 6.07

CLIMB\_B2 = 4.98

**R0 = 12cm**

AH = -4.20

HD32630.2019.10.07.07.33

E1 = 2560  
CLIMB\_B1 = 6.07  
CLIMB\_B2 = 4.98

D\_CM656.2019.10.07.07.43

**E1 POP1 B1 E2 POP2 B2 W2 POP5 B3**

**V38 (A. Salsi)**

**OPD offsets : +150  $\mu\text{m}$ , -300  $\mu\text{m}$**

**Target = HD27819**

**Cal1 = HD28226 ; Cal2 = HD25202**

**LABAO = HD27371; Check = Target**

HD28226.2019.10.07.08.42

E1 = -2100  
E2 = -4760  
CLIMB\_B1 = 6.43  
CLIMB\_B2 = 5.31

HD27819.2019.10.07.08.55

E1 = -1890  
E2 = -4590  
CLIMB\_B1 = 6.43  
CLIMB\_B2 = 5.31

HD25202.2019.10.07.09.08

E1 = -1600  
E2 = -4200  
CLIMB\_B1 = 6.47  
CLIMB\_B2 = 5.34

**R0 = 15cm ! No wind, low rh ... the conditions are still very nice**

HD27819.2019.10.07.09.21

E1 = -1680  
E2 = -4200  
CLIMB\_B1 = 6.47  
CLIMB\_B2 = 5.34

HD28226.2019.10.07.09.33

E1 = -1720  
E2 = -4230  
CLIMB\_B1 = 6.47  
CLIMB\_B2 = 5.34

HD27819.2019.10.07.09.44

E1 = -1470

E2 = -4030

CLIMB\_B1 = 6.47

CLIMB\_B2 = 5.34

HD28226.2019.10.07.09.56

E1 = -1490

E2 = -3990

CLIMB\_B1 = 6.47

CLIMB\_B2 = 5.34

**Target = HD27962**

**Cal1 = HD28226 ; Cal2 = HD27459**

HD27962.2019.10.07.10.09

E1 = -1220

E2 = -3820

CLIMB\_B1 = 6.50

CLIMB\_B2 = 5.36

**R0 = 14cm.**

HD27459.2019.10.07.10.25

E1 = -1000

E2 = -3650

CLIMB\_B1 = 6.50

CLIMB\_B2 = 5.36

HD27962.2019.10.07.10.36

E1 = -900

E2 = -3500

CLIMB\_B1 = 6.50

CLIMB\_B2 = 5.36

HD28226.2019.10.07.10.49

E1 = -770

E2 = -3320

CLIMB\_B1 = 6.50

CLIMB\_B2 = 5.36

HD27962.2019.10.07.11.09

E1 = -460

E2 = -3050

CLIMB\_B1 = 6.54

CLIMB\_B2 = 5.40

HD27459.2019.10.07.11.22

E1 = -340

E2 = -2870  
CLIMB\_B1 = 6.55  
CLIMB\_B2 = 5.40

D\_CMR720.2019.10.07.11.32

**Target = HD11415**  
**Cal1 = HD12301; Cal2 = HD10221**  
**LABAO = Target ; Check = Target**

HD12301.2019.10.07.11.48

E1 = -770  
E2 = -2090  
CLIMB\_B1 = 6.52  
CLIMB\_B2 = 5.38

HD11415.2019.10.07.11.59

E1 = -660  
E2 = -1960  
CLIMB\_B1 = 6.51  
CLIMB\_B2 = 5.38

HD10221.2019.10.07.12.11

E1 = -660  
E2 = -2010  
CLIMB\_B1 = 6.52  
CLIMB\_B2 = 5.38

HD11415.2019.10.07.12.22

E1 = -550  
E2 = -1900  
CLIMB\_B1 = 6.52  
CLIMB\_B2 = 5.38

HD12301.2019.10.07.12.34

E1 = -560  
E2 = -1900  
CLIMB\_B1 = 6.52  
CLIMB\_B2 = 5.38

HD11415.2019.10.07.12.44

E1 = -460  
E2 = -1780  
CLIMB\_B1 = 6.52  
CLIMB\_B2 = 5.38

HD10221.2019.10.07.12.55

E1 = -460  
E2 = -1880

CLIMB\_B1 = 6.52  
CLIMB\_B2 = 5.38

HD11415.2019.10.07.13.05

E1 = -320  
E2 = -1720  
CLIMB\_B1 = 6.52  
CLIMB\_B2 = 5.38

2 first blocks to be removed

HD12301.2019.10.07.13.16

E1 = -320  
E2 = -1730  
CLIMB\_B1 = 6.52  
CLIMB\_B2 = 5.37

D\_CM720.2019.10.07.13.26

**13:27** End of the night