

# Observational log CHARA/VEGA 2015-12-01

Observers: Frédéric, Orlagh, and Chris

Instruments: VEGA & CLIMB(tracking)

## Configuration:

Telescope	Beam	PoP
E1	B1	P1
E2	B1	P2
W1	B3	P1
W2	B2	P5
S1	B2	P4
S2	B1	P5

## Beginning of the observation:

- 00.45 Arrived at the control room.  
02.23 Config **E1-B1-P1**, **S1-B2-P4**, **W1-B3-P1**  
01.50 CheckStar: HD202904 for E1S1.  
02.25 Fringes found on checkstar. Offsets: E1: -1500 $\mu$ m, C-B1: -0.540, C-B2: -0.36  
02.35 Network very slow. Buttons take tens of seconds sometimes to react

## E1-B1-P1 S1-B2-P4

## Programme: V01 (Exoplanet hosts), PI: R.Ligi

- 03.07 Going to CAL1: HD190993. Abandon too difficult even for Calibrators.

## S2-B1-P5 S1-B2-P4

## Programme: V66 (Be Disk Stars), PI: A.Meilland

- 04.00 Check Star HD206778.  
04.10 Target HD212076 to cophase. Register. Fringes are intermittent.  
HD212076S1S2.2015.12.01.03.34. offsets: S2: -90, C-B1: -0.62 C-B2: -0.36  
04.45 Target HD212571. HD212571S1S2.2015.12.01.04.35. S2: -1060  
05.01 Target HD37202. HD37202S1S2.2015.12.01.05.00.S2: +1380  
Spectral Calibration **D\_R2656.2015.12.01.12.56**

## S2-B1-P5 W2-B2-P5

## Programme: V43 (Seismology), PI: O.Creevey

- 06.00 Check Star HD 36486. Still problems with W2, so we have to avoid azimuth 125-150 degrees. Seeing bad. Standby.  
07.40 New Check Star HD 48737. Try Target. Try Cal HD 46487  
08.10 Abandon. Didn't get cophased.

## S2-B1-P5 S1-B2-P4

## Programme: V50 (Metal Poor), PI: O.Creevey

- 08.40 Point target HD 85503. Pupils perfect. No realignment needed. Found fringes.  
HD85503.S1S2.2015.12.01.08.21. 40 Blocks. S2: +1430; C-B1: -0.62  
08.40 Point Cal HD 86728. Ca n'est pas gagné. HD85503CAL2.S1S2.2015.12.01.08.56.  
40 Blocks. SNR=2.5. Last few blocks not great. S2: +1640; C-B1: -0.62  
09.30 HD85503.S1S2.2015.12.01.09.27. 40 Blocks. S2: +1550  
09.40 Point Cal HD 86728. HD85503CAL2.S1S2.2015.12.01.09.58. 40 Blocks. S2: +1680;  
C-B1: -0.62  
10.20 HD85503.S1S2.2015.12.01.10.24. 40 Blocks. S2: +1450

10.45 Point Cal HD 86728. **HD85503CAL2.S1S2.2015.12.01.10.48**. 40 Blocks. SNR=4-7!  
S2: +1540  
11.15 **HD85503.S1S2.2015.12.01.11.09**. 40 Blocks. Network froze at end but this does  
not affect observations. S2: +1200  
11.40 Point Cal HD 86728. **HD85503CAL2.S1S2.2015.12.01.11.38**. 40 Blocks. Network  
froze just before end so if last few blocks don't look good, then discard. Ob-  
servations should have finished though. S2: +1200  
Spectral Calibration **D\_R2700.2015.12.01.13.02**

### **S2-B1-P5 S1-B2-P4**

#### **Programme: V66 (Be Disk Stars), PI: A.Meilland**

12.00 Back to Target HD37202. **HD37202S1S2.2015.12.01.12.06**. S2: -340; C-B1: -0.64  
Spectral Calibration **D\_R2656.2015.12.01.12.56**

#### **End of the observation:**

12.55 Spectral Calibration **D\_R2656.2015.12.01.12.56**  
13.00 Spectral Calibration **D\_R2700.2015.12.01.13.02**  
13.05 Fin.

Time is in UT+00.00, blue.. science target, red.. calibrator, green.. spectral calibration, gold.. additional information.