

Log CHARA/VEGA 2018-04-26

Observers: Fred (Commander), Anthony (public log-writer), Norm

(UT Hours)

02:32 We're in the control room.

02:47 Facing some problems with Skype connection ...

Configuration : E2P1B2 - W2P5B3(CLIMB tracking)

OPD offset: 1st peak (left) = +150 μ m

V67 (Orlagh Creevey)

Science : HD 73665

03:13 Aligning VEGA on check star (HD 74198).

03:15 Red camera does not start ...

03:20 VEGA alignment ok.

03:23 Checking for fringes on VEGA.

03:30 Tracker crashed ...

03:41 Fringes were difficult to find but we finally get them.

03:52 **HD66664.2018.04.26.03.51**

E2 = -1060 CLIMB_B1 = 0.74 CLIMB_B2 = 0.00

R0 ~ 9

20 blocks.

03:56 Central control crashed.

04:06 **HD73665.2018.04.26.04.04**

E2 = -920 CLIMB_B1 = 0.74 CLIMB_B2 = -0.01

20 blocks.

04:21 Norm re-aligns because fringes were too weak.

04:24 HD66664.2018.04.26.04.20

E2 = -1270 CLIMB_B1 = 0.74 CLIMB_B2 = -0.02

20 blocks.

04:37 HD73665.2018.04.26.04.37

E2 = -1180 CLIMB_B1 = 0.74 CLIMB_B2 = 0.00

R0 ~ 10

20 blocks.

04:51 HD72524.2018.04.26.04.50

E2 = -1130 CLIMB_B1 = 0.74 CLIMB_B2 = -0.02

R0 ~ 11

20 blocks.

05:05 HD73665.2018.04.26.05.05

E2 = -1290 CLIMB_B1 = 0.74 CLIMB_B2 = -0.03

20 blocks.

05:21 Norm re-aligns NIRO.

05:23 HD72524.2018.04.26.05.23

E2 = -1290 CLIMB_B1 = 0.74 CLIMB_B2 = -0.04

20 blocks.

05:34 Calibration : D_CM720.2018.04.26.05.34

Configuration : E2P1B2 - W2P5B3(CLIMB tracking)

OPD offset: 1st peak (left) = +150 μ m

V01 (Roxanne Ligi)

Science : HD 97658

05:37 Aligning VEGA on check star (HD 95608).

05:43 Get the fringes.

05:51 HD96738.2018.04.26.05.45

E2 = -580 CLIMB_B1 = 0.74 CLIMB_B2 = -0.04

Error: UT did not start

05:54 HD96738.2018.04.26.05.51

E2 = -1290 CLIMB_B1 = 0.74 CLIMB_B2 = -0.04

20 blocks.

06:13 HD97658.2018.04.26.06.12

E2 = -790 CLIMB_B1 = 0.74 CLIMB_B2 = -0.04

“Blind recording” (peak takes time to appear ...)

R0 ~ 11

30 blocks.

06:30 HD96738.2018.04.26.06.29

E2 = -960 CLIMB_B1 = 0.74 CLIMB_B2 = -0.02

Fringes are weak, bad tracking.

20 blocks.

06:42 Norm re-aligns NIRO.

06:44 HD97658.2018.04.26.06.41

E2 = -1100 CLIMB_B1 = 0.74 CLIMB_B2 = -0.02

Fringes are not easy to find on VEGA.

30 blocks.

07:03 HD96738.2018.04.26.07.03

E2 = -1200 CLIMB_B1 = 0.74 CLIMB_B2 = -0.01

R0 ~ 12

20 blocks.

07:15 HD97658.2018.04.26.07.15

E2 = -1230 CLIMB_B1 = 0.74 CLIMB_B2 = -0.01

We can see fringes at block 8.

30 blocks.

07:33 HD96738.2018.04.26.07.33

E2 = -1380 CLIMB_B1 = 0.74 CLIMB_B2 = -0.001

R0 ~ 10

20 blocks.

For calibration, use: D_CM720.2018.04.26.09.43

**Configuration : S2P1B1 - E2P5B2 - W2P5B3 -
W1P1B4(CLIMB tracking)**

**OPD offsets: 1st peak (left) = +300 μ m - 2nd peak (1st right) = -150 μ m -
3rd peak (2nd right) = -450 μ m**

V65 (Denis Mourard)

Science : HD 185912 (V1143 Cyg)

07:48 VEGA alignment on check star (HD 147394).

07:59 Problem with ICS. Norm is searching for fringes while we restart ICS.

08:09 ICS restarted. Still searching for fringes.

08:19 Fringes OK.

08:42 Cophasing OK.

Offsets:

- S2 = 3240

- E2 = 880

- W1 = 1130

09:15 **HD177003.2018.04.26.08.06**

S2 = 3790 E2 = 1460 W1 = 1490 CLIMB_B1 = 0.03 CLIMB_B2 = 0.25

R0 ~ 11

20 blocks.

09:35 Tracker says that no ople server is running.

09:40 ICS "crashed" once again.

09:49 **HD185912.2018.04.26.09:43**

S2 = 3790 E2 = 1370 W1 = 1460 CLIMB_B1 = 0.03 CLIMB_B2 = 0.25

20 blocks. => We did not see that 40 blocks were needed ...

10:10 **HD177003.2018.04.26.09.43**

S2 = 3640 E2 = 1230 W1 = 1200 CLIMB_B1 = 0.03 CLIMB_B2 = 0.25

=> TU problem: data recorded with same date.

20 blocks.

10:20 **Calibration : D_CM720.2018.04.26.09.43**

**Configuration : S2P2B1 - E2P4B2 - W2P5B3 -
W1P1B4(CLIMB tracking)**

**OPD offsets: 1st peak (left) = +300 μ m - 2nd peak (1st right) = -150 μ m -
3rd peak (2nd right) = -450 μ m**

V52 (Nicolas Nardetto & Anthony Salsi)

Science : HD 180583 (V473 Lyr)

10:27 VEGA alignment on check star (HD 173880).

10:49 Cophasing.

Offsets:

- S2 = 3220

- E2 = 1190

- W1 = 1320

11:05 **HD185872.2018.04.26.11.04**

S2 = 3690 E2 = 1260 W1 = 1200 CLIMB_B1 = 0.04 CLIMB_B2 = 0.1
20 blocks.

11:23 Tracker crashed ...

11:23 **HD180583.2018.04.26.11.23**

S2 = 3340 E2 = 1230 W1 = 970 CLIMB_B1 = 0.03 CLIMB_B2 = 0.1
20 blocks.

11:33 Central control crashed.

11:39 **HD185872.2018.04.26.11.39**

S2 = 3460 E2 = 1060 W1 = 920 CLIMB_B1 = 0.01 CLIMB_B2 = 0.1
20 blocks.

11:54 **Calibration : D_CM720.2018.04.26.11.54**

**Configuration : S2P1B1 - E2P4B2 - W2P5B3 -
W1P1B4(CLIMB tracking)**

OPD offsets: 1st peak (left) = +300 μ m - 2nd peak (1st right) = -150 μ m -
3rd peak (2nd right) = -450 μ m

V65 (Denis Mourard)

Science : HD 185912 (V1143 Cyg)

12:08 **HD177003.2018.04.26.12.08**

S2 = 3020 E2 = 600 W1 = 570 CLIMB_B1 = 0.03 CLIMB_B2 = 0.13

20 blocks.

=> Four or probably five peaks seen.

12:28 **HD185912.2018.04.26.12.28**

S2 = 3190 E2 = 630 W1 = 600 ? CLIMB_B1 = 0.03 CLIMB_B2 = 0.1

R0 ~ 12

20 blocks.

=> We do not see W1W2 fringes.

12:39 **Calibration : D_CM720.2018.04.26.12:39**