

Log CHARA/VEGA 2018-04-27

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

(UT Hours)

02:34 Arrival in the control room.

02:47 Setting configurations and making coffee (most important).

03:01 Flat LABAOs.

Configuration : E1P2B1 - W2P5B2 - W1P1B3(CLIMB tracking)

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

V16 (Kerine Perraut)

Science : HD 108945

03:02 Aligning VEGA on check star (HD 108381).

03:16 We have the fringes.

03:30 VEGA alignment OK.

03:32 **HD108765.2018.04.27.03.32**

E1 = -590 W2 = -2720 CLIMB_B1 = 0.73 CLIMB_B2 = 1.27

R0 ~ 12

20 blocks.

03:42 Theo uses NIRO for a few minutes.

03:49 **HD108945.2018.04.27.03.49**

E1 = -490 W2 = -2530 CLIMB_B1 = 0.73 CLIMB_B2 = 1.27

R0 ~ 12

20 blocks.

04:03 **HD108765.2018.04.27.04.02**

E1 = -480 W2 = -2440 CLIMB_B1 = 0.76 CLIMB_B2 = 1.27

R0 ~ 8

20 blocks.

04:15 **HD108945.2018.04.27.04.14**

E1 = -330 W2 = -2300 CLIMB_B1 = 0.76 CLIMB_B2 = 1.27

20 blocks.

04:27 **HD108765.2018.04.27.04.27**

E1 = -395 W2 = -2200 CLIMB_B1 = 0.78 CLIMB_B2 = 1.27

04:33 Problem with NIRO ... Record aborted.

=> 13 blocks. First 10 blocks are OK.

04:35 Theo uses NIRO.

04:41 NIRO OK. We "re-record" (why not?) the calibrator.

04:48 **HD108765.2018.04.27.04.48**

=> Central control crashed during record

E1 = -260 W2 = -1920 CLIMB_B1 = 0.80 CLIMB_B2 = 1.27

20 blocks.

05:06 **HD108945.2018.04.27.05.06**

E1 = 0 W2 = -1800 CLIMB_B1 = 0.81 CLIMB_B2 = 1.28

20 blocks.

05:23 **HD108765.2018.04.27.05:23**

E1 = -80 W2 = -1580 CLIMB_B1 = 0.82 CLIMB_B2 = 1.28

R0 ~ 10

20 blocks.

05:33 Calibration : **D_CM720.2018.04.27.05.33**

Configuration : E1P1B1 - W2P5B2 - W1P1B3(CLIMB tracking)

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

V67 (Orlagh Creevey)

Science : HD 124553

05:38 Aligning VEGA on check star (HD 122408).

05:49 VEGA alignment OK. Cophasing OK.

05:57 **HD127167.2018.04.27.05:57**

E1 = -1070 W2 = -2450 CLIMB_B1 = 0.74 CLIMB_B2 = 1.26
20 blocks.

06:11 **HD124553.2018.04.27.06.11**

E1 = -1230 W2 = -2180 CLIMB_B1 = 0.74 CLIMB_B2 = 1.26
20 blocks.

06:26 **HD129956.2018.04.27.06.26**

E1 = -1060 W2 = -2320 CLIMB_B1 = 0.74 CLIMB_B2 = 1.26
R0 ~ 10
20 blocks.

06:41 **HD124553.2018.04.27.06.41**

E1 = -1220 W2 = -1850 CLIMB_B1 = 0.81 CLIMB_B2 = 1.28
R0 ~ 8
20 blocks.

06:56 **HD127167.2018.04.27.06.56**

E1 = -1070 W2 = -1870 CLIMB_B1 = 0.81 CLIMB_B2 = 1.28
Central control crashed during record.
20 blocks.

07:11 **HD124553.2018.04.27.07.11**

E1 = -1170 W2 = -1850 CLIMB_B1 = 0.81 CLIMB_B2 = 1.28
=> Fringes tracking a bit poorer.
20 blocks.

07:27 **HD129956.2018.04.27.07.26**

E1 = -1010 W2 = -1700 CLIMB_B1 = 0.82 CLIMB_B2 = 1.29
R0 ~ 11
20 blocks.

07:37 **Calibration : D_CM720.2018.04.27.07.37**

Configuration : W2P5B2 - W1P1B3(CLIMB tracking)

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

V67 (Orlagh Creevey)

Science : HD 162003

07:38 Aligning VEGA on check star (HD 162003).

07:48 **HD162003.2018.04.27.07.48**

W2 = -2560 CLIMB_B1 = 0.82 CLIMB_B2 = 1.09
20 blocks.

08:05 **HD146926.2018.04.27.08.05**

W2 = -2220 CLIMB_B1 = 0.82 CLIMB_B2 = 1.09
20 blocks.

08:17 **HD162003.2018.04.27.08.16**

W2 = -2460 CLIMB_B1 = 0.82 CLIMB_B2 = 1.09
Central control crashed during recording.
20 blocks.

08:30 **HD145454.2018.04.27.08.30**

W2 = -2140 CLIMB_B1 = 0.82 CLIMB_B2 = 1.09
Central control crashed during recording.
20 blocks.

08:40 **HD162003.2018.04.27.08.40**

W2 = -2420 CLIMB_B1 = 0.82 CLIMB_B2 = 1.09
=> Problem : UT do not run
=> Several restarts needed to solve the problem.
File deleted

08:52 **HD162003.2018.04.27.08.52**

W2 = -2400 CLIMB_B1 = 0.82 CLIMB_B2 = 1.09
20 blocks.

09:06 **HD146926.2018.04.27.09.06**

W2 = -2410 CLIMB_B1 = 0.82 CLIMB_B2 = 1.09
20 blocks.

09:19 Calibration : D_CM720.2018.04.27.09.19

Configuration : E1P1B1 - W2P5B2 - W1P1B3(CLIMB tracking)

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

V67 (Orlagh Creevey)

Science : HD 171384

09:27 Aligning VEGA on check star (HD 160762).
=> Suggested by Norm. Does not appear with Searchcal.
=> Star appears in the JSDC2 catalog (not in the first version)
09:32 VEGA aligned.
09:46 Cophasing OK.

10.00 **HD171301.2018.04.27.10.00**

E1 = -710 W2 = -2440 CLIMB_B1 = 0.73 CLIMB_B2 = 1.28
R0 ~ 8
20 blocks.

10:13 **HD171384.2018.04.27.10.13**

E1 = -500 W2 = -2270 CLIMB_B1 = 0.74 CLIMB_B2 = 1.28
R0 ~ 7
20 blocks.

10:26 **HD171301.2018.04.27.10.26**

E1 = -580 W2 = -2220 CLIMB_B1 = 0.73 CLIMB_B2 = 1.28
Central control crashed during record
R0 ~ 6
20 blocks.

10:40 **HD171384.2018.04.27.10.40**

E1 = -340 W2 = -2040 CLIMB_B1 = 0.74 CLIMB_B2 = 1.28
R0 ~ 7
30 blocks.

11:00 Norm re-aligns NIRO.

11:04 **HD171301.2018.04.27.11.04**

E1 = -200 W2 = -1850 CLIMB_B1 = 0.77 CLIMB_B2 = 1.28

R0 ~ 5

20 blocks.

11:16 Central control crashed.

11:22 **HD171384.2018.04.27.11.22**

E1 = -90 W2 = -1700 CLIMB_B1 = 0.78 CLIMB_B2 = 1.28

R0 ~ 6

30 blocks.

11:41 **HD171301.2018.04.27.11.41**

E1 = -210 W2 = -1570 CLIMB_B1 = 0.80 CLIMB_B2 = 1.30

R0 ~ 5

=> Block 17 : no more fringes (delay lost).

=> Block 21 : fringes back. 5 blocks added.

25 blocks.

12:02 Norm: *"your obj and cal transit on opposite sides of zenith, makes for long slews and tricky offsets"*

=> We have to be careful when we chose the cal.

12:04 **HD171384.2018.04.27.12.04**

E1 = -340 W2 = -1440 CLIMB_B1 = 0.81 CLIMB_B2 = 1.30

R0 ~ 5

30 blocks.

12:25 Norm re-aligns NIRO.

12:37 **Calibration : D_CM720.2018.04.27.12.37**