

Nuit du 2013.05.23
Observateurs : Nicolas, Nic, Narges

CONFIGURATION : E2 E1 W1 + POP3 POP 1 POP 3

UT05 :10

The humidity is around 60%. We are waiting to open the telescope.
brb W1 slit isn't opening. RH slightly is increasing. At the moment around 61%.

UT05 :40

W1 slit will not open. Humidity is increasing. At the moment around 63%.

UT05 :45

NEW DECISION :

Cause of this weather condition, we will do 2T now.

CONFIGURATION : E2 E1 + POP3 POP 1

UT05 :47

The humidity is increasing, around 66%.
And still RH is increasing.
Now, telescopes are open. Nic is looking for the star.
Nicols has put periscope DOWN and waiting for Nic.

UT06:01 the periscope is currently up.
The humidity is decreasing a bit. It's around 65%.

UT06:06

We are going to start with CAL1.
CAL1 is too faint, with around 100 photons.
we should have stayed on the check star to align and check everything. It's not cophasing just checking. The conditions are not so good and this star is faint. Slew to check star HD118232.
RH is still increasing till 68%.
For this check star the number of photons are around 240.

UT06:17

Checking done by Nicolas.
vega is fine. Nicols asked Nic to align with CLIMB and then find fringes.
Humidity is really close to back on sb.
In priciple, VEGA is cophased, waiting for Nic to find fringes if it's possible.
RH is increasing till 69%.
In the BC1 panel, CLIMB_B1 and CLIMB_B2 buttons should be green, LCD are ON also which is fine.
Nic said sb NIRO alignment is off.

UT06:32

The domes are getting closed. ☹
RH is around 72%.

UT06:50

Telescopes are open. But Nic is saying he was just looking at the alignment instructions for using climb in classic mode and it says use beams 2 and 3.
But actually yesterday we did VEGA+CLIMB 3T on beams 1, 2 and 3 or or even 2T on Beam 1-2.

UT09 :15

Humidity has decreased. At the moment RH is around 55%.
opening up and aligning climb.

UT09 :24

Using the HD118232 as a check star to find the fringes.
R0 is around 4 cm.

UT09 :30

R0 is around 6 cm. RH is around 54%.
W1 slit still doesn't open.

UT09 :35

Finishing aligning niro. R0 is around 5 cm.
RH is the same. Finding fringes with VEGA on check star.
We don't have the stable fringes yet.
Nic found the fringes in 2575 nm.
Nicolas checked with VEGA and this position is exactly at the expected position.
The position of fringes is : **2.5 mm**.
Using CLIMB just for tracking fringes.
Fringes of check star are so bright and clear.

UT09 :47

R0 is around 6 cm and RH is around 52%.
CAL1 is too faint, so we will ask for CAL1 which is brighter star.

HD148897

HD148897CAL2E2E12013.05.23.09.29:

CAL2=HD157728.

UT09 :50

Nic is looking for the fringes,
Nic found the fringes in 2.2mm.
NIRO could be aligned better, Nicolas is checking the fringes before recording.
Fringes are coming. They are stable and they came so quick. In spite of quite bad R0 (around 5cm) fringes are quite nice.
We keep the number of blocks 20.
R0 is around 5cm. RH is 50%.

HD148897E2E12013.05.23.10.16:

R0 is around 5.2 cm. RH is 49%.

huge fringes at 2.039mm.
Fringes are perfect ☺ and stable.

~~HD148897CAL1E2E12013.05.23.09.29:~~

CAL1 :HD141187

R0 is around 5 cm. RH is a bit increasing till 50%.

Waiting for the fringes, but this star is quite faint, so slew to CAL2.

HD148897CAL1E2E12013.05.23.10.31:

CAL2=HD157728

R0 is 5cm. RH is around 50%.

Waiting for the fringes.

The fringes are at 2073um.

Adding 10 blocks. So 30 instead of 20.

The fringes are quite nice but they didn't come quickly.

Actually it's not CAL1 HD141187, it's **CAL2 HD157728**. Mistake.

- **The file of calibration : D_R2720.2013.05.23.11.04**

We put density of 2, but 800 of average photons

HD181907

HD181907CAL2E2E12013.05.23.11.10:

CAL2=HD180482

R0 is around 4cm. RH is decreasing till 38%.

The fringes are so bright and clear. They are so stable.

The number of blocks are 20. The fringes came so fast.

HD181907E2E12013.05.23.11.23:

fringes at 1960um. The fringes came but not so quick.

R0 is around 4 cm. The fringes are not so bright.

RH is around 35%.

HD181907CAL2E2E12013.05.23.11.41:

R0 is around 3.5 cm. RH is around 33%.

Waiting for fringes. The fringes are at 1994um.

The fringes are so faint on CLIMB. Right now they are stable.

Recording. The fringes came. They are bright. The fringes are quite stable.

RH at the moment is around 30%.

HD181907E2E12013.05.23.11.55:

R0 is around 3 cm. RH is the same as before.

The fringes at 1975um and they are quite bright but not at the beginning.

They are stable.

The target is too faint, We add 10 blocks. So 30 blocks instead of 20.

- **The file of calibration : D_R2620.2013.05.23.12.20**

We put density of 2, but 800 of average photons
