

Nuit du 2013.05.24
Observateurs : Nicolas, Narges, Nic

CONFIGURATION : E2 E1 W1 + POP3 POP 1 POP 3

UT03 :44

Humidity is so high around 98%.

UT03 :47

RH is a bit decreasing till 97%.

UT04 :16

Decreasing RH till 80%.

UT04 :38

Decreasing RH till 55%.

UT04 :52

Decreasing RH till 49%.

UT05 :14

RH is around 42%. Telescopes are opening now.

UT05 :30

Starting with the check star HD 118232 first. In 3T. We try to cophase.

On the check no CLIMB record, but afterwards we have a program for which we need CLIMB tracking +recording.

Nico is checking VEGA alignment first before NIRE alignment.

The number of photons for check star are

UT05 :55

Waiting for fringes by Nic.

Offset E1 : 2278 um. Offset W1 : 1862 um.

VEGA_Offset=4.5

The fringes for E1E2 are very nice and visible.

RH is around 57%.

The fringes of E1E2 are stable for E2W1 as well.

Nico is changing the OPLE offset to find the fringes.

R0 at the moment is around 11cm.

The fringes on E1E2 have been found on PosProfil is 45, Nico is trying to find the fringes for E2W1 for the same PosProfil by changing the OPLE Offset.

R0 is around 12cm.
R0 is around 14 cm.
With OPLE Offset=4.5, we saw the fringes.
RH is around 67%.
Fringes have been found.

CLIMB_B1=-2.24
CLIMB_B2=-1.79

Offset E1 :2.2um.
Offset W1 :2.2um.
R0 is around 14cm. RH is 65%.

UT07 :50

We change the check star to HD115735 :

RH is around 55%. R0 is around 13 cm.

Nic is looking for the fringes.

This check star is far from transit. So the fringes of E1E2 have been found but E2W1 have not been found yet.

We slew to another check star : HD149212.

RH is around 30%. R0 is around 13cm.

star acq'd waiting on carts.

The fringes are coming quickly.

The first fringes for E1E2 came so quickly but not for E2W1.

OffsetE1=2252um
OffsetW1=4391um

R0 is around 13cm.
RH is around 18%.
Right now, we found the fringes for E2W1.
We found the fringes on CLIMB.

CLIMB_B1=0.4
CLIMB_B2=0.8499

OffsetE1=2305
OffsetW1=2224

HD158643

HD158643E2E1W1.2013.05.24.08.44:

R0 is around 14cm. RH is 45%.
star arq'd. Scanning now.
W have 60 blocks.
The first 10 blocks we saw the fringes on E1E2.

HD158643CAL1E2E1W1.2013.05.24.09.31:

R0 is around 12cm. RH is around 49%.
The number of photons are around 500.
realigning NIRO.
Fringes with CLIMB.
offsets: 2044,1988
R0 is around 20cm (c'est bizarre).
We add 10 blocks.
The current reading from tiptilt is 2cm.
now it's 8,4,10 for E1,E2,W1.
then it drops to ~2cm.

- **The file of calibration : D_R2656.2013.05.24.10.03**

We put density of 1, but 300 of average photons

CONFIGURATION : E2 E1 + POP3 POP 1

HD181907

HD181907CAL2E2E1.2013.05.24.10.12

Fringes at 1875um.

HD181907E2E1.2013.05.24.10.37:

R0 is around 15 cm. RH is 20%. The fringes on CLIMB. Very poor quivery poor quality though.
Fringes are coming. Fringes at 1880
We have strange seeing. With Denis, we change the Nsum of tiptilt for E2 to make it the same to E1

These two observations above crashed during saving their names.

HD181907CAL2E2E1.2013.05.24.10.55:

Fringes at 1913um.

R0 is around 14 cm. RH is 23%. The fringes are so stable and bright.

HD181907E2E1.2013.05.24.11.14:

fringes at 1900. R0 is 9 cm. RH is around 30%.

HD181907CAL2E2E1.2013.05.24.11.26:

fringes at 1920um.

R0 is around 13cm. RH is around 30%.

The fringes disn't come quickly but they are quite stable.

Right now the fringes are so bright.

HD181907E2E1.2013.05.24.11.51:

R0 is 9 cm. RH is 35%.

The fringes are pretty stable. The fringes came not too fast they are quite faint.

They are quite bright.

The fringes at 1910.

HD181907CAL2E2E1.2013.05.24.12.03:

The fringes at 1922um. R0 is around 8cm. RH is 38%.

The fringes are pretty bright and clear.

- **The file of calibration : D_R2620.2013.05.24.12.22**

We put no density

Franges sur le calibrateur de 51 Oph. Seeing correct en apparence, mais franges très moyennes.



