

## Log CHARA/VEGA 2014-07-09

Observers : Mounir is driving, Nicolas, Nic (on site)

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### Configuration: E1B1P1-E2B2P3-W2B3P4 (+CLIMB)

3:35UTC. Check star: HD 165777 (cal of V64)

4:45UTC. VEGA is aligned, CLIMB is aligned, CLIMB as the fringes, VEGA as the fringes as well. What happened in between ?

Mounir made all the settings and I checked with him. It seems that everything was fine ... up to pupils alignment. The pupils were not here. We abort and restart the starlist; the same. We restart ICS and it worked. But then no flux on blue camera ! We abort, restart with another starlist; the same. We restart IC, the same. Then, socket connection problems. I restart all the settings and it finally worked. The only error message I found (with this blue camera) was something like Error in Ip config (l.16) if I remember well. Sorry for not writing, I believed it was only a warning.

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### V64 (P. Stee)

#### **HD177724CAL1E1E2W2.2014.09.04.04.32**

The tracking is on... up to block 16. Too much photons. The flux is fluctuating but it seems just normal (low seeing). No interaction with the tracker. Seeing of 6 cm.

Remove 04.58 ; Mounir forgot to put the HT on...

#### **HD177724E1E2W2.2014.09.04.05.04**

About 2500 photons => no density ...

VEGA tracker off

fringes, E1: -4680, W2: -167

#### **HD177724CAL1E1E2W2.2014.09.04.05.17**

VEGA tracker off

-4653/-74

#### **HD177724E1E2W2.2014.09.04.05.29**

VEGA tracker off

fringes: -4770/-93

**HD177724CAL1E1E2W2.2014.09.04.05.43**  
fringes -4640/-24

**D\_R2700.2014.09.04.05.58**

## V52 (Nardetto)

Important: the sequence is  
C1-S-C2 (750nm); C2-S-C1 (700nm); C1-S-C2-S-C1 (670nm)  
With C1=HD190993 and C2=196740  
But the number of the cal is not the same in starlists 750, 700 and 670  
which makes the confusion. Be careful...

We start at 750nm

**HD198726CAL3E2E1W2.2014.09.06.07**

No vega tracking.  
HD190993  
Seeing is decreasing... 5 cm...

Argh le GuiObsLog a planté... pas possible de le récupérer. Il faudra le faire à la main !

-4900/-161

**HD198726E2E1W2.2014.09.06.26**

Le GuiObsLog plante si on utilise des '\_' ou des '-'.

**HD198726CAL1E2E1W2.2014.09.06.39**

fringes, -4909/-149  
HD196740

**-> D\_R2750.2014.09.04.12.12**

We start at 700nm

**HD198726CAL1E2E1W2.2014.09.06.53**

Mounir a fait quelque chose de bizarre, l'enregistrement c'est fait en qq minutes. On a relancé.

**HD198726CAL1E2E1W2.2014.09.06.58**

Tracking en marche pour cette étoile.

**HD198726E2E1W2.2014.09.07.09**

Tracking en marche jusqu'au bloc 6

**HD198726CAL3E2E1W2.2014.07.25**

**Use the calibration R2700 of the previous program (V64): 05.58**

We start at 670nm

**HD198726CAL3E2E1W2.2014.07.42**

**HD198726E2E1W2.2014.07.55**

fringes, -4935/-250

seeing of 5-6 cm. Without tracker vega.

**HD198726CAL2E2E1W2.2014.08.10**

-4811/-245

HD196740

**HD198726E2E1W2.2014.08.23**

-4838/-293

**HD198726CAL3E2E1W2.2014.08.39**

Use **D\_R2670.2014.09.04.12.06**

## V01 (R. Ligi)

9:00UTC : ralentissement du réseau. (11h local)

**HD209458Cal1E2E1W2.2014.07.09.08.55**

The seeing has degraded from 5-6 to 3cm (Sorry Roxanne !). 30 blocs.

The peak 23 is fine, 12 is hardly seen.

Crash GuiObsLog

**HD209458E2E1W2.2014.07.09.13**

30 blocs. The two peaks are clearly seen. Might be a problem with the calibrator but the problem is that we do not have any other cal available.

The seeing is increasing slightly again. 6-7cm I believe.

**HD209458Cal1E2E1W2.2014.07.09.09.31**

30 blocs

No fringes ! We do not understand. We saw them on the file 08.55 (peack 2) and on the target... Might be a binary or something ... CLIMB has nice fringes now and seeing is getting good. We decide to abort the program. All shutters opened and good flux.

**Use the calibration R2700 of the previous program (V64): 05.58**

### **V64 (P. Stee) at 777nm : Problem !!!**

No flux with this config. We made an init of the ResLo; then 777nm; no way. We see the flux increasing (as the tourelle is moving) and decrease again. We tried to go to 600nm, come back to 777nm; no way. We give up at 10.35UTC.

### **V52 (N. Nicolas)**

**We start at 750nm**

**HD213306Cal1E2E1.2014.07.09.10.27**

10 blocs.

**HD213306E2E1.2014.07.09.10.45**

10 blocs.

**HD213306Cal1E2E1.2014.07.09.10.56**

10 blocs.

**HD213306E2E1.2014.07.09.11.04**

**HD213306Cal1E2E1.2014.07.09.11.11**

**D\_R2750.2014.09.04.12.12**

We start at 670nm

Seeing is decreasing seriously ! Difficult to say how much...

**HD213306CaI1E2E1.2014.07.09.11.21**

**HD213306E2E1.2014.07.09.11.29**

**HD213306CaI1E2E1.2014.07.09.11.38**

**HD213306E2E1.2014.07.09.11.46**

**HD213306CaI1E2E1.2014.07.09.11.54**

**D\_R2670.2014.09.04.12.06**