Log CHARA 28/11/2013

Observers : Philippe, Simon, and Chris on the mountain

UT01:00 Start. Good conditions, no clouds!
UT01:20 Chris points a bright star : HD9826.

Configuration 2T : S2W2 (POPS 3,5)+ CLIMB

We begin with the **V38 program**. The seeing is around 6-6.5.

UT01:50 Fringes on CLIMB. The seeing gets better (~7-7.5).
UT02:00 We switch to HD17573 to make the cophasing.
UT02:10 We get the fringes on VEGA. **CLIMB_B1 = -0.85**

The two calibrators to HD22928 are not observable before 30 minutes. We add a third calibrator to the Starlist : H**D20677**.

HD22928CAL3W2S2.2013.11.28.02.39
UT02:40 We begin with HD22928 cal3 : HD20677. Seeing is rising: R0~9-10 ; we put 20 blocs. Nice fringes.

HD22928W2S2.2013.11.28.02.51
UT02:50 We go to the science star, HD22928. We put 15 blocs.

HD22928CAL1W2S2.2013.11.28.03.01
UT03:05 We switch to the first calibrator (which is now observable), HD22928CAL1: **HD25940.** We put 10 blocs. R0 still ~9-10.

HD22928W2S2.2013.11.28.03.10
UT03:10 Back to the science star. 10 blocs.

HD22928CAL1W2S2.2013.11.28.03.17
UT03:15 Go to cal.1 HD25940. 10 blocs.

HD22928W2S2.2013.11.28.03.25
UT03:27 Back to science star. 10 blocs. R0 ~9.

~~**HD22928CAL2W2S2.2013.11.28.03.33**~~
We try to go to the cal2 but it's still too early.

HD22928CAL1W2S2.2013.11.28.03.34
UT03:35 Back to cal.1 HD25940. 10 blocs, fringes always nice. R0 ~10.

HD22928W2S2.2013.11.28.03.40
UT03:40 Again on HD22928. 10 blocs.

~~**HD22928CAL1W2S2.2013.11.28.03.49**~~
Problem with red cam.

HD22928CAL2W2S2.2013.11.28.04.07
We switch to cal.2 HD25642. We have a problem with the red detector. For this point we only record with blue detector while trying to get back the red one.

HD22928CAL2W2S2.2013.11.28.04.32
UT04:30 We do the cal.2 again, with the two cams!! 10 blocs, and the seeing is somewhat down (~8).

HD22928W2S2.2013.11.28.04.41
UT04:45 Now back to science target, 10 blocs. Seeing getting down:

HD22928CAL1W2S2.2013.11.28.04.48
UT04:50 We switch back to the first cal, HD25940. 10 blocs. Seeing ~7-7.5.

HD22928W2S2.2013.11.28.04.55

HD22928CAL2W2S2.2013.11.28.05.02 HD25642

HD22928W2S2.2013.11.28.05.11 seeing ~6.5

HD22928CAL1W2S2.2013.11.28.05.21 HD25940

HD22928W2S2.2013.11.28.05.27

HD22928CAL2W2S2.2013.11.28.05.34 HD25642. R0 ~7.

HD22928W2S2.2013.11.28.05.41

HD22928CAL1W2S2.2013.11.28.05.53 HD25940

D_R720.2013.11.28.06.00 Calibration spectrale.

Configuration 3T: E2,W2,S2 (POPS 1,5,5) + CLIMB

We go to the **V23 program** with **Theta Ori**.

UT06:20 Chris points on HD34503 (calib) to search for CLIMB fringes. Clouds incoming...
Much clouds passing.. We cannot cophase nor observe. Have to wait.

UT08:05 Chris tries another star bright in K to find fringes on CLIMB.

UT08:35 Try to find fringes on SS Lep. CLIMB fringes, but not very nice. Go back to HD34503 to have more flux.

~~**HD37022CAL1E2W2S2.2013.11.28.06.11**~~ (HD34503) We finally give up after Chris spent two hours

and a half looking for the fringes with about a dozen stars. Lots of clouds and low flux.

Configuration 2T:S1S2 (POPS 5,5) + CLIMB

We switch to the ultimate back-up : **Eps Aur** !!!!! (program **V27**). No way to observe, no flux...

UT12:50 Telescopes closed. Sky completely cloudy and no flux on Eps Aur.

END of the night