

Log CHARA/VEGA 2019-03-14

Observers: Fred, Anthony , et Norm
Altogether in live from Mount Wilson

UT02:05 : We arrive at the control room..., let's see what's tonight problem(s).
UT02:15 : They're a warning on the blue camera as if a lights would be on, but as there's nothing on the red one, it's probably something else. Fred is going to investigate in the Lab.
UT02:16 Meanwhile, on the CHARA side, there's also some problems, conf server ones it seems. Olly and Judith are also going to the Lab.
UT02:35 : Olli and Judith are back, their problem was due to a short power cut on the mountain. They had to reboot almost everything.
UT02:45 : Fred is back, but with a bad news. There's something really bad with the blue camera. It is not cooling down. The temperzture is stuck at 6°C. He tried to to do some power cycles of the various sub-systems but without success up to now.
UT02:50 : We are going back to he Lab.
UT04:00 : We really don't know how to fix the problem. Fred will now try to modify the central control code to skip everything linked to the blue camera to be able to work only with the red one.
UT04:40 : It seems to work. We are now able to work with only one eye. Let's start!

E1-B1-P1 E2-B2-P2

V52: Zeta Gem (another Cepheid) PI: Nardetto

UT04:40 : We are on Zeta Gem, we search for fringes
UT04:49 : **E1=3100 CLIMB_B1=6.48 CLIMB_B2=4.44**
UT04:50 : **HD52973.2019.03.14.04.48** (r0~5cm and fringes are jumpy on CLIMB)
UT04:57 : Fringes lost on block 18
UT05:00 : Going the cal1, HD49908
UT05:02 : **HD49908.2019.03.14.05.02** : aborted because we lost the star
UT05:05 : **HD49908.2019.03.14.05.07** : it is worse than ugly, fringes are jumpy and even lost from time to time. r0~5cm
UT05:20 : Back to the science target.
UT05:24 : **CLIMB_B1=6.49 CLIMB_B2=4.44 E1=3160**
UT05:25 : **HD52973.2019.03.14.05.25** : Jumpy fringes still. r0~5cm snr on fringes 5 after 2 blocks.
UT05:34 : Back to cal1 HD49908. **E1=3140**
UT05:36 : **HD49908.2019.03.14.05.36** (still ugly and jumpy)
UT05:45 : Humidity is rising above 80%. We are closing the domes
UT05:50 : **D_C720.2019.03.14.05.51**

As the Humidity is not dropping again, Fred has decided to investigate the blue camera problem. He switched the rack to check if the problem came from the blue rack.

And yes it was. The blue camera was now working properly (i.e. cooling down) and the red was not.

Finally, Fred dismounted the blue rack to be able to investigate the problem tomorrow.

However, when we started the red camera again to check if it is working, it was not. We could not manage to start the frame acquisition.

After hours of search in the Lab, Fred finally found the problem: The camera link power supply were switched: the red one was connected to the blue rack. So, as we turned off the blue rack, the red camera link could not work.

It is now time to go back to the sky and hope that the seeing is better.

V67 : Asterosismo : PI: Creevey

UT10:30 : We open the telescopes again and point to a check star (Zeta Dra)

UT10:42 : Fringe found and not jumping like in the beginning of the night.

UT10:47 : Going to HD181597 calibrator = HD173936

UT11:07 : No fringes found. We try another cal a bit brighter in K band (HD174481)

UT11:07 : **E1=4760 CLIMB_B1~6.43 CLIMB_B2=4.44**

UT11:11 : **HD174481.2019.03.14.11.12** (quite nice fringes on CLIMB though a bit jumpy and fringe also seen on VEGA)

UT11:22 : Going to the science target HD181597

UT11:26 : **E1=4820**

UT11:27 : **HD181597.2019.03.14.11.27** (Nice fringes on CLIMB and VEGA r0~6cm)

UT11:37 : Back to cal

UT11:38 : **E1=4610**

UT11:39 : **HD174481.2019.03.14.11.39** (jumpy fringes on CLIMB and faint on VEGA)

UT11:48 : back to sci

UT11:49 : **E1=4690**

UT11:50 : **HD181597.2019.03.14.11.50** (Nice fringes on CLIMB and VEGA r0~7cm)

UT12:00 : back to cal

UT12:01 : **E1=4510 CLIMB_B1~6.45 CLIMB_B2=4.44**

UT12:02 : **HD174481.2019.03.14.12.01** (Nice fringes on CLIMB and VEGA)

UT12:12 : Back to sci

UT12:13 : **E1=4590**

UT12:14 : **HD181597.2019.03.14.12.14** (Nice fringes on CLIMB and VEGA r0~7cm)

UT12:23 : back to cal

UT12:24 : **E1=4430**

UT12:26 : **HD174481.2019.03.14.12.26** (Nice fringes on CLIMB and VEGA)

UT12:36 : Back to sci

UT12:36 : **E1=4510**

UT12:37 : **HD181597.2019.03.14.12.37** (Mega very jumpy fringes on CLIMB maybe due to CLIMB misalignment or to a sudden drop in r0)

UT12:47 : Realigning CLIMB

UT12:53 : Still jumpy fringes. Let's integrate one more time on the sci

UT12:36 : **E1=4480**

UT12:54 : **HD181597.2019.03.14.12.54** (it's bad!!)

UT12:04 : back to cal

UT12:04 : **E1=4410**

UT13:06 : **HD174481.2019.03.14.13.06** (It's bad, let's go to bed).

UT13:16 : **D_C720.2019.03.14.13:16**