

## Log CHARA/VEGA 2019-08-23

Observers: Fred (VEGA), Nicolas (Report and CoffeeS)  
Olli (Mt Wilson)

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UTC time:

02:40 Starting Observing Night

**S2 POP2 B1 S1 POP1 B2 W2 POP5 B3 (ref)**

**V65 (D. Mourard) – V379 Cep**

**OPD offset: +150 $\mu$ m (left) -300 $\mu$ m (right)**

**Target is HD197770 (Prog: V65; PI: D. Mourard)**

**cal1 = HD201834**

**cal2 = HD183534**

**LABAO = HD203280 ; check = HD192696**

Check difficult because of low seeing.

Difficulty to find fringes on the cal2. Camera blue did not start.

Pupils B1, B2 not very nice because we are far from standard

pops. CLIMB tracking not very good. We go back to check. The

fringes are at their position, but very weak. The seeing is good

now (04:05) but fast, which probably explains the difficulty to

find fringes. We decide to go cal to cal2. Record, make a

bracket and see our weather conditions evolve.

**HD183534.2019.08.23.04.12**

S2 -1520

S1 -3610

CLIMB\_B1=7.58

CLIMB\_B2=4.58

Beginning of recording: 2-3 are extremely weak. 1-2 not seen.

Well, not clear. We do not understand why we do not see S1S2

peak with a seeing of 9 cm and a CLIMB tracking extremely but

reasonable.

30 blocks

**HD197770.2019.08.23.04.28**

S2 -660

S1 -3830

Fringes are here !

**Conclusion: HD183534 is a bad calibrator for no obvious reasons, but we have weak fringes on VEGA on it !**

**HD201834.2019.08.23.04.47**

S2 -1670

S1 -3880

*Fringes are here ! HD183534 is definitively a bad cal !*

CLIMB\_B1=7.56

CLIMB\_B2=4.56

We see the three peaks at the end of the recording.

**HD197770.2019.08.23.05.05**

S2 -1500

S1 -3880

Fringes are more difficult to see than previously! Modulation.

**HD201834.2019.08.23.05.24**

S2 -1600

S1 -3740

CLIMB tracking is poor, but we have fringes on VEGA. Seeing around 10 cm.

**HD197770.2019.08.23.05.40**

S2 -1400

S1 -3530

S1S2 is seen. Not the others.

**HD201834.2019.08.23.06.00**

S2 -1490

S1 -3600

**D\_CMR720.2019.08.23.06.15**

**S2 POP1 B1 E2 POP2 B2 W2 POP5 B3 (ref)**  
**V70 (R. Klement)**

**OPD offset: +150 $\mu$ m (left) -300 $\mu$ m (right)**

**target = HD190603**  
**cal1 = HD191243**  
**LABAO=HD177724**  
**Check = HD187811**

*WFS issues on CHARA. We slew to bright LABAO.  
Olli says there is no more delay on the check, which is in contradiction with aspro2 and also CHARA plan ! Extremely strange... Olli decides to check on the target finally !*



07:13 We have CLIMB fringes on target. Too difficult for us.  
New check = HD192685  
07:30 CLIMB and VEGA cophased.

**HD191243.2019.08.23.07.40**

S2 -720

E2 -2530

CLIMB\_B1=7.51

CLIMB\_B2=5.39

Weak fringes on CLIMB. Correct on VEGA. Finally.

**HD190603.2019.08.23.07.52**

S2 -500

E2 -2450

CLIMB\_B1=7.52

CLIMB\_B2=5.43

Nice fringes on VEGA, even perhaps the third is here. Good CLIMB tracking. Good conditions.

**HD191243.2019.08.23.08.04**

S2 -440

E2 -2380

We see two peaks

**HD190603.2019.08.23.08.18**

S2 -340

E2 -2320

**HD191243.2019.08.23.08.34**

*Shutter B3 close from block 1 to 19 ! We add 20 blocks. 40 in total.*

same Prog/PI

**Target = HD193237**

**cal1 = HD191243 (same cal as previously)**

**cal2 = HD197392**

*labao=HD194093*

*check= HD191610*

**HD193237.2019.08.23.08.56**

S2 -230

E2 -2170

CLIMB tracking is fine.

Seeing of around 7-8 cm. E2W2 peak is seen.

**HD191243.2019.08.23.09.09**

S2 -140

E2 -2040

CLIMB tracking is not very nice. VEGA fringes are seen.

**HD193237.2019.08.23.09.21**

S2 -130

E2 -2070

CLIMB tracking is fine.

Seeing of around 7-8 cm. E2W2 peak is seen.

**HD197392.2019.08.23.09.36**

CLIMB tracking is decent. VEGA fringes are seen.

**Target = HD198478**

**Only one cal = HD197392 (same cal as previously)**

**HD198478.2019.08.23.09.50**

S2 -170

E2 -2080

**HD197392.2019.08.23.10.04**

S2 -60

E2 -1970

**HD198478.2019.08.23.10.15**

S2 -60

E2 -1990

Nice fringes on CLIMB and VEGA

**HD197392.2019.08.23.10.29**

S2 10

E2 -1830

Nice fringes...

**Target = HD204172**

**Cal1=HD202240**

**Cal2=HD207673**

**LABAO=HD358**

**Check=HD202904**

*10:56 OPLE crash*

Labao  
Cophasing on the check.

**HD207673.2019.08.23.11.06**

S2 -100

E2 -1980

CLIMB\_B1 = 7.57

CLIMB\_B2 = 5.45

CLIMB tracking is poor and we do not see the fringes clearly on VEGA even after 10 min of integration. We believe the cophasing.

**HD204172.2019.08.23.11.27**

S2 60

E2 -1830

Not sure this measurement is good. CLIMB tracking is poor. VEGA fringes are not clear.

*“Special remark:*

*this is the 100eme science measurement of the run”*

**HD207673.2019.08.23.11.40**

S2 -0

E2 -1770

Blind recording. No time to check the fringes.

**D\_CM656.2019.08.23.11.51**

**E2 POP2 B2 W2 POP5 B3 (ref)**

**HD207673.2019.08.23.11.56**

E2 -1850

CLIMB\_B2=5.26

CLIMB tracking poor. Seeing is getting lower (6 cm). VEGA fringes weak also.

Too difficult for CLIMB to find fringes on the target. Olli re-align NIRO.

**HD204172.2019.08.23.12.21**

E2 -1480

CLIMB\_B2=5.25

Nice fringes on VEGA

**HD207673.2019.08.23.12.35**

Extremely weak peak seen on VEGA !

**D\_CM656.2019.08.23.12.45**

*End of Observability*

*End of Star*

*End of Bracket*

*End of Program*

*End of Night*

*End of Run*

## *Liste du Run Gastronomique:*

- Onglet sauce à la Bordelaise - Haricots verts (F)
- Spaghetti bolognaise (N)
- Filet de saumon - Salade de cocos (F)
- Poulet curry - Haricots (N)
- Restaurant le Relais Impérial (Pizza)
- Côtes de porc à la Crème - Ratatouille (F)
- Soupe de poisson et sa Reuille (N)
- Aiguillettes de poulet à l'Estragon - Carottes au Cumin (F)
- Tarte au saumon et aux poireaux, sauce à l'Aneth et au Citron (N)

## *Prix de la Musique la plus écoutée :*

*Ennio Moricone : « Mon nom est personne »*



*Portfolio :*

*Impression, le Troupeau de chaises au Soleil Levant*



*E.T. : Téléphone Maison !*







## **VEGA** *sans les mains !*



### *Conclusion:*

*« Nous ne sommes pas seuls dans nos têtes :  
Nous sommes les hydres de Ca-Lerne »*

			15/août	16/août	17/août	18/août	19/août	20/août	21/août	22/août	23/août
			FM/NN	FM/NN	FM/NN	FM/NN	FM/NN	FM/NN	FM/NN	FM/NN	FM/NN
			Norm	Norm	Olli	Olli	Norm	Norm	Olli	Olli	Olli
Roxanne	V01	HD189733					E2W2x3				
		HD209458					E2W1x3			S2W2x3	
Denis	V27	Eps Aur	S1S2x3 (HR656, 770, 589)	S1S2x3 (MR656)		E1E2x3 (MR656)					
AnthonyS	V38	HD148112		S1S2W2x3							
		HD192640	S1S2W2x1	S1S2W2x2							
		HD195810			S1S2W2x2						
		HD3360	S1S2W2x2	S1S2W2x2							
		HD33959A		S1S2W2x3							
		HD886						W1W2S2x3	W1W2S2x2	W1W2S2x3	
Nicolas	V52	SV Vul	E1E2W2x5								
		T Vul			E1E2W2x5						
Denis	V65	V1143CYG				S1S2W2x5		W1W2E2x4			
		V379 Cep							W1W2E2x5		S1S2W2x3
Orlagh	V67	HD182694					E2W2x3	W1W2x3			
		HD185955								W1W2x3	
		HD183124								W2S2x3	
		HD181878								W1W2x1	
		HD187217								W1W2x3	
		HD188853									
Robert	V70	HD197345			S1S2x2 (2 AHs)		S1S2x1 (1 AH)				
		HD190603				E2W2x2					S2E2W2x2
		HD193237									S2E2W2x2
		HD198478					E2W2x3				S2E2W2x2
		HD204172				E2W2x1					S2E2W2x1 E2W2x1