

Log CHARA/VEGA 2019-08-21

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

UTC time:

02:40 Starting Observing Night

E2 POP2 B1 W2 POP5 B2 (ref) W1 POP1 B3

V65 (D. Mourard) – V379 Cep

OPD offset: +150 μ m (left) -300 μ m (right)

Actually, W2 does not want to track. It was the case yesterday. We used W2 as a ref. Let's do the same tonight: thus, B2 is the ref, not B3

First target is HD197770

cal1 = HD201834

cal2 = HD183534

LABAO = HD181276 ; check = HD192696

03:10 LABAO

03:13 Check. Pupils are nice. Cophasing. Good conditions like yesterday. 11-12 cm of seeing.

03:33 to cal 2. A bit faint for CLIMPB. Climb fringes are extremely weak. Olli changes the frequency of CLIMB and the fringes are better now.

HD183534.2019.08.21.03.46

E2 = -2450

W1=-1570

CLIMB_B1=7.58

CLIMB_B2=4.83

30 blocks

To target. Problem of pupil on E2. We decide to continue.

HD197770.2019.08.21.04.02

E2 = -2460

W1=-1700

Fringes 1-2 (perhaps), 2-3 (yes), 1-3 (not)

30 blocks

HD183534.2019.08.21.04.29

Weak fringes on CLIMB and VEGA.

E2 = -2260

W1=-1410

CLIMB_B1=7.59

CLIMB_B2=4.83

04:33 COUPURE D'ELECTRICITE !!! ELECTRIC OUTAGE !

07:11 We move with computers to the meeting room at SEMIROT (Wifi and power available)

07:36 Back in GI2T. There might be electric tests however.

We are on the check.

HD201834.2019.08.21.07.57

E2 = -1770

W1=-2220

CLIMB_B1=7.56

CLIMB_B2=4.88

We forgot to put 30 blocks.

Series of outages.

Fred use the VEGA notebook (on battery) and as the network in ON, we continue.

HD197770.2019.08.21.08.20

E2 = -1630

W1=-1660

30 blocks.

CLIMB fringes are stable. We cannot see the fringes of VEGA because of electric outages.

Series of outages during the recording the target.

Series of outages during slewing to cal1.

HD201834.2019.08.21.08.37

E2 = -1860

W1=-1100

30 blocks.

Nice fringes on CLIMB and VEGA.

We see the three peaks. There are strong on VEGA.

The seeing is rising at 16 cm. We decide to change pop of W1 from 1 to 2 to get delay and continue to take benefit of the seeing on this program. And this is easier to handle with electric outages.

E2 POP2 B1 W2 POP5 B2 (ref) W1 POP2 B3

The electric tests are finished. We use now the computer of VEGA as usual to observe.

HD201834.2019.08.21.09.03

E2 = -1550

W1=-1290

30 blocks.

Nice fringes.

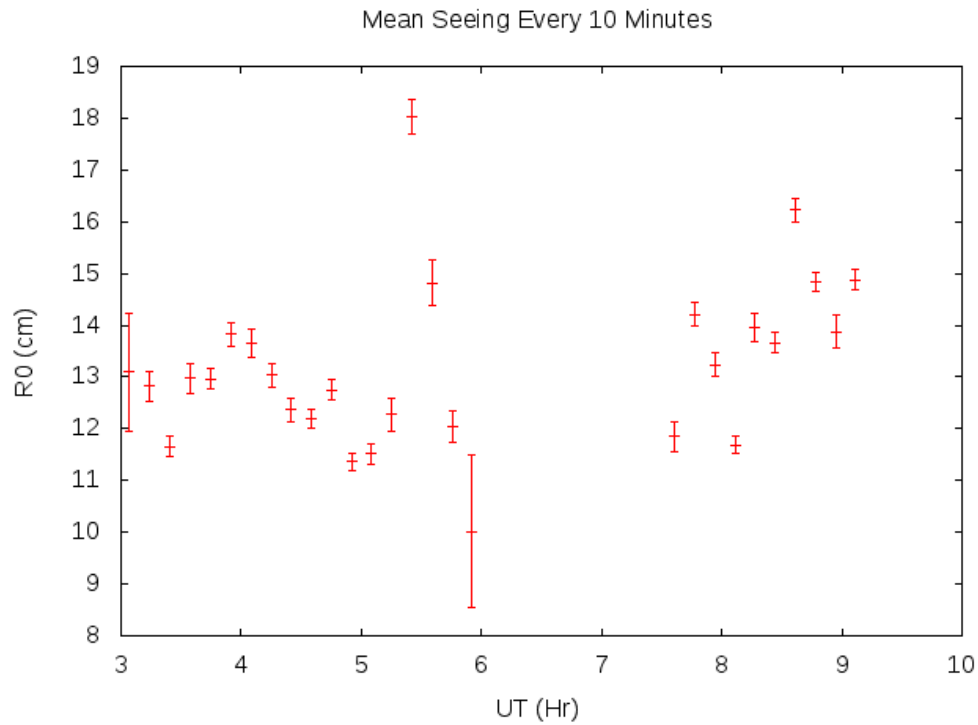
HD197770.2019.08.21.09.20

E2 = -1300

W1=-1400

30 blocks.

Nice fringes 12 and 23



HD201834.2019.08.21.09.36

E2 = -1430

W1=-1210

30 blocks.

Nice fringes.

CLIMB_B1=7.65

CLIMB_B2=4.84

HD197770.2019.08.21.09.52

E2 = -1300

W1=-1260

HD201834.2019.08.21.10.08

E2 = -1290

W1=-1190

30 blocks.

Nice fringes.

CLIMB_B1=7.67

CLIMB_B2=4.85

HD197770.2019.08.21.10.25

E2 = -1130

W1=-1220

We see the three peaks !

HD201834.2019.08.21.10.42

E2 = -1130

W1=-1140

30 blocks.

Nice fringes.

CLIMB_B1=7.70

CLIMB_B2=4.89

D_CM720.2019.08.21.10.57

S2 POP2 B1 W2 POP5 B2 (ref) W1 POP2 B3
V38 (A. Salsi)

OPD offset: +150 μ m (left) -300 μ m (right)

Target=HD886

cal 1 = HD1439

cal 2 = HD560

labao=check=target

11:17 OPLE crash !

We slew to cal1, but this star is difficult for CLIMB (we don't know why). This cal should not be used anymore. We slew to cal2.

HD560.2019.08.21.11.49

E2 = -390

W1=-770

CLIMB_B1 = 7.43

CLIMB_B2 = 4.85

Nice fringes

HD886.2019.08.21.12.01

E2 = -380

W1=-800

CLIMB_B1 = 7.48

CLIMB_B2 = 4.85

Nice fringes

HD560.2019.08.21.12.13

E2 = -290

W1=-760

CLIMB_B1 = 7.50

CLIMB_B2 = 4.87

Nice fringes

13-14 blocks, on perd W1

HD886.2019.08.21.12.28

E2 = -240

W1=-800

Nice fringes

HD560.2019.08.21.12.45

E2 = -140

W1=-670

Nice fringes

D_CMR720.2019.08.21.12.56