

Run from 24th of April to 3rd of May 2018.

It was a run of 10 nights. Fred/Anthony Salsi observed 7 nights, and Fred/Nicolas 3 nights. Nicolas was in charge of the run.

Nights summary:

The first three nights (24, 25, 26) were excellent. The second (25) was exceptional, with excellent data on V01 and V16 (Eps Uma E1E2), but 1h lost due to clouds.

The fourth night (27) was average.

The two following (28, 29) were quite bad with technical problems at the beginning of the night.

. 28: 2h lost due to zoot crash + chara tiptilts

. 29: 1h30 lost due to ctrscrut crash and then bad seeing (Ro = 3 cm at the end of the night). 2h closed due to high RH

Then, 4 nights (30, 31, 01, 02) of bad weather (humidity and/or clouds)

Technical issues on VEGA side:

- Tracker crashes when trying to talk to OPLE → then VEGA tracking impossible and communication with other softwares on PC Service impossible (1h lost)
- Central control crashes during recording (several per night) → missing entries in logobs files and TU may not run after restart.
- Telescope configuration has not been properly saved in a few .info files → correction by hand (Fred) and new autoAutomate run for concerned nights.

Thus, finally:

. 5 nights 1/6 with data

. 4 nights 1/3 of bad weather

. and ½ night lost due to technical problems.

Notes about the new simple mode (preparation and bugs):

. It is possible to import in asprox any other asprox but the Tel/Pop/Spectral mode are the ones from the original asprox. Thus, the spectral model should be verified carefully, because if different, it is erased.

. the number of blocs is lost in asprox. The PI of run should indicate them for all programs in the excel table.

. CHARA use the following notation for the programs: 2018A-V66 (for instance) which appears after in the vegadatabase. Data of the present run won't appear if you do a request by program number. This should be fixed before next run.

. for the 4T configurations during preparation, the PI of programs should consider stars with $mV < 6$ and $V2 > 0.1$. Consider also about 1h30 for 2 measurements C-T-C-T-C in particular for faint stars ($mV > 5$)

Summary of data recorded: (++) means excellent, (-) rather bad:

V01:

. HD75784: no data

. HD97658: 3xS2W2(++)+ 3xE2W2(-) + 2xE2W2

Notes: it is useless to provide many faint calibrators

V16:

- . HD108662: 3xW1W2E1 ==> 20 blocs instead of 40 requested
- . HD108945: 3xW1W2E1 + 3xW1W2E1 ==> 20 blocs instead of 40 requested
- . Eps UMa: 6xE1E2 + E1E2(-) + 2xW1W2(++)
- . HD153882: no data

V52:

- . V473 Lyr: W1W2S2E2 (26/04) + W1W2S2E2 (28/04)
- . SV Vul: no data

V65 (V1143 Cyg)

- . 26/04: 2xW1W2S2E2 (-) ==> 20 blocs instead of 40 requested
- . 28/04: W1W2S2E2 (tracking difficult) + W1W2S2 (one cal)

V66

- . HD45542 1xS1S2 (-)

V67:

- . HD124553: 3xW1W2E1
- . HD73665: 3xE2W2
- . HD162003: 5xW1W2 + 3xW1W2
- . HD171384: 1xW1W2E1 (-) + 4xW1W2E1

Note about cal HD171301 in log of 20180427 ...

V71 (HD187983): 1xE1E2W2 but E1E2 no fringes. Bad data.

Note: Notice that the file is named "HD187983..." due to bad HD number entry in CHARA database. But it corresponds to the star HD187982 (we verified with Olli the V and K magnitudes).

V73 (Regulus): 4xE1E2