

Log CHARA/VEGA 2020-07-18

Observers : Fred, Orlagh, Dinil (VEGA), Olli (Mt Wilson)

Summary : We are using the BLUE camera. Problems with S1 remains the same. We spent night on V01, V67 & V38.

- V01 : 1.5 X E2W1 Target = HD133112
 - V67 : 2 X W1W2 Target = HD187217
 - V38 : 3.5 X E2W1 Target = HD11415
 - 3 spectral calibrations [MR@720nm](#)
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UTC TIME :

03:26

Sewing S1 to align star. No luck. Moving to Altair.

03:56

Problems with S1 remains the same. The scope slews normally but on arrival won't track the star. The CD also doesn't think the scope has arrived.

E2 Pop 1 B2 – W1 Pop 4 B3 (B3-ref)
V01 (R. Ligi) – HD133112 (HR5599)

Target = HD133112

Cal1 = HD132953

Cal2 = HD154445

Cal3 = HD124988

Align = HD132052

Check = HD129956

04:11: Aligning and Checking.

04:23: Ople or Climb crashed.

04:53: Found Fringes on Vega

Recording

05:08: CAL3 HD124988. **HD124988.2020.07.18.05.09** E2 : -1750 micron; Climb B2
5.10 mm. 30 blocks.

05:36: Target **HD133112.2020.07.18.05.36** E2:-1720 micron. 40 blocks. Good Fringes
on Vega. Tracking is fine.

05:59: CAL1 HD132953. **HD132953.2020.07.18.06.00** E2 : -1720 micron. Climb B2
5.15mm. 30 blocks. Fringes are moving on Climb

06:16: Target **HD133112.2020.07.18.06.17** E2:-1660 micron. 21 blocks. Tracking is
good on Climb and have good peak on Vega. We lost fringes in 21st block.

06:40: CAL2 HD154445. **HD154445.2020.07.18.06.41** E2 : -1900 micron. Climb B2
5.08mm. 30 blocks.

D_CMR720.2020.07.18.06.58 Spectral calibration @ 720 nm medium res. (bluecam)

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W2 Pop 5 B2 - W1 Pop 1 B3 (W2-ref)

V67 (O. Creevey) – HD187217

Target = HD187217

Cal1 = HD178207

Cal2 = HD184171

Align = Cal2

Check = Cal2

07:05: Pop changed. Going to target for alignment and check.

07:44: Aligned. Found Fringes.

Recording

08:16: CAL1 HD178207. **HD178207.2020.07.18.08.16** W1: +270 micron. Climb B1: 7.45mm Climb B2 4.67mm. 30 blocks. Poor Fringes. May be 40 micron offset for fringe peak.

08:39: Target **HD187217.2020.07.18.08:40** W1: +210 micron. Climb B1: 7.47mm. Climb B2: 4.72mm. 20 blocks. Good Fringes and good Tracking on Climb

08:55: CAL2 HD184171. **HD184171.2020.07.18.08.57** W1: +400 micron. 20 blocks.

09:14: Target **HD187217.2020.07.18.09:16** W1: +260 micron. 30 blocks . Fringes are stable on Climb. We have very small peak. Shifted by 70 micron.

09:38: CAL2 HD184171. **HD184171.2020.07.18.09.39** W1: +440 micron. 20 blocks.

D_CM720.2020.07.18.09.50 Spectral calibration @ 720 nm medium res. (bluecam)

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E2 Pop 3 B2 – W1 Pop 1 B3 (B3-ref)

V38 (A. Salsi) – HD11415

Target = HD11415

Cal1 = HD12301

Cal2 = HD10221

Cal3 = HD6210

Align = Target

Check = Target

10:10: Aligning Finished.

10:14: Ople and Climb crashed.

10:27: Found Fringes.

Recording

10:27: Target **HD11415.2020.07.18.10:28** E2: -2080 micron. Climb B2: 5.03 mm. 20 blocks.

10:40: CAL1 HD12301. **HD12301.2020.07.18.10.40** E2: -2050 micron. 20 blocks

10:52: Target **HD11415.2020.07.18.10:53** E2: -2070 micron. 20 blocks

11:06: CAL2 HD10221. **HD10221.2020.07.18.11.07** E2: -2070 micron. 20 blocks.
Fringes are moving a lot. 40 micron offset.

11:19: Target **HD11415.2020.07.18.11:20** E2: -2100 micron. 20 blocks

11:37: CAL3 HD6210. **HD6210.2020.07.18.11.38** E2: -2140 micron. 20 blocks.

11:50: Target **HD11415.2020.07.18.11:51** E2: -2090 micron. 20 blocks.

12:04: CAL1 HD12301. **HD12301.2020.07.18.12.04** E2: -2080 micron. 20 blocks

12:15: Target **HD11415.2020.07.18.12:15** E2: -2100 micron. 20 blocks.

D_CM720.2020.07.18.12.26 Spectral calibration @ 720 nm medium res. (bluecam)

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