

Log CHARA/VEGA 2020-07-19

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

Summary: We are using the BLUE camera. We are running in A configuration. We spent the night on V01, V38 & V67. In the middle of V67 observations, Zoot crashed and we couldn't continue the observation.

- V01 : 2 X S2W1 Target:HD133112
 - V38 : 4.5 X S2W1 Target = HD11415
 - V67 : 1.5 X W1W2 Target = HD187217
 - 3 spectral calibrations [MR@720nm](#)
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UTC TIME :

03:42

Aligning Vega.

03:48

Fringes found. Ople or Climb crashed. Alignment issues with S2. Light everywhere. Checking the shutters.

04:03

Vega aligned. Going for check star.

04:12

Looking for fringes. Climb not able to track Fringes.

04:26

Co-phased. We are good to go for observation.

S2 Pop 4 B1 – W1 Pop 4 B2 (B2-ref)
V01 (R. Ligi) – HD133112 (HR5599)

Target = HD133112

Cal1 = HD132953

Cal2 = HD154445

Cal3 = HD124988

Align = HD132052

Check = HD129956

04:37: Looking for Fringes on Vega.

Recording

Seeing is average.

04:41: CAL1 HD132953. **HD132953.2020.07.19.04.41** S2: -140 micron. Climb B2 7.32mm. Climb B2 4.81mm. 30 blocks. Star is faint. Going for blind recording. Tracking is very bad. Climb fringes are weak.

05:11: Target **HD133112.2020.07.19.05.11** S2: -50 micron. 55 Blocks. From block 20 we lost fringes because of S2 cart. We added 15 blocks. Tracking is not good.

05:48: CAL2 HD154445. **HD154445.2020.07.19.05.49** S2: -30 micron. 30 blocks.

06:12: Target **HD133112.2020.07.19.06.13** S2: -120 micron. 40 blocks

06:44: CAL2 HD154445. **HD154445.2020.07.19.06.45** S2: -20 micron. 30 blocks. Good Fringes.

D_CM720.2020.07.19.07.00 Spectral calibration @ 720 nm medium res. (bluecam)

S2 Pop 4 B1 – W1 Pop 4 B2 (B2-ref)

V38 (A. Salsi) – HD11415

Target = HD11415

Cal1 = HD12301

Cal2 = HD10221

Cal3 = HD6210

Align = Target

Check = Target

07:01: Aligning

Recording

07:13: Target HD11415.2020.07.19.07:14 S2: +660 micron. Climb B1: 7.45 mm. 20 blocks.

07:30: CAL1 HD12301. HD12301.2020.07.19.07.31 S2: +730 micron. 20 blocks

07:45: Target HD11415.2020.07.19.07:46 S2: +730 micron. 20 blocks

08:00: CAL3 HD6210. HD6210.2020.07.19.08.00 S2: +820 micron. 30 blocks.

08:19: Target HD11415.2020.07.19.08:19 S2: +700 micron. 20 blocks

08:32: CAL1 HD12301. HD12301.2020.07.19.08.32 S2: +700 micron. 20 blocks

08:48: Target HD11415.2020.07.19.08:48 S2: +780 micron. 20 blocks

09:04: CAL3 HD6210. HD6210.2020.07.19.09.05 S2: +770 micron. 30 blocks.

09:21: Target HD11415.2020.07.19.09:22 S2: +820 micron. 20 blocks

09:36: CAL1 HD12301. **HD12301.2020.07.19.09.36** S2: +840 micron. 20 blocks

D_CM720.2020.07.19.09.47 Spectral calibration @ 720 nm medium res. (bluecam)

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W1 Pop 2 B2 - W2 Pop 5 B3 (W2-ref)

V67 (O. Creevey) – HD187217

Target = HD187217

Cal1 = HD178207

Cal2 = HD184171

Align = Cal2

Check = Cal2

09:50: Pop changed. Going to target for alignment and check.

09:54: Aligned.

10:04: Niro crash

10:14: Fringes Found

Recording

10:14: CAL2 HD184171. **HD184171.2020.07.19.10.14** W1: +1350 micron. Climb B2 4.60mm. 20 blocks.

10:30: Target **HD187217.2020.07.19.10.30** W1: +1220 micron. Climb B2: 4.62mm. 30 blocks.

10:53: CAL1 HD178207. **HD178207.2020.07.19.10.53** W1: +1320 micron. Climb B2: 4.57mm. 20 blocks.

11:07: Target **HD187217.2020.07.19.11:07** W1: +1350 micron. Climb B2: 4.57mm. 21 blocks. Stopped at 21 blocks because of Zoot crash.

11:15: Zoot Crashed Restarting everything.

12:20: Couldn't get back to observation. Stopping the program for today.

D_CM720.2020.07.19.12.24 Spectral calibration @ 720 nm medium res. (bluecam)

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