

Log CHARA/VEGA 2012 - 07 - 22

Observers: Nicolas, Orlagh + Chris sur CHARA

UT 03.46 Relaunch VPN at CHARA
UT 04.10 Relaunch VPN (office) at CHARA

Configuration: W2B2P5 W1B1P1 S2B3P3 (CLIMB tracking only)

1. Programme V38 (SB OAB)

UT 04.10 Fringes found on check star HD 152614.

UT 04.18 Reposition fringe 1-2 to -200 micron, and fringe 2-3 to +100 micron

Position franges de CLIMB

1-2: 7840 micron

2-3: 8080 micron

Position franges de VEGA

1-2: 7570 micron

3-4: 4630 micron

UT 04:33 Point CAL1 = HD 141378 (fringes 2-3 CLIMB 6990 micron).

Enregistrement. **HD135742CAL1W2W1S2.2012.07.22.03.43**. 2 Peaks seen ~ Block 19. SNR~3. Blocks 27-28 Pb: Rapid rise in flux, but then it went back to normal.

UT 04:56 On TARGET HD 135742. Red Density 0.6. Ignore Block 1,2 (densite pas bien). **HD135742W2W1S2.2012.07.22.04.54**. Pb: de flux, pb with camera ... ABORT. After closing the 3 shutters, we still have 200-500 photons, flux rising linearly with jumps.... the jumps can reach >4000 counts. We keep directory for camera tests.

extract from email Larry to Denis about camera temperature control:

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[[[[ So I have manually set the controller value to H100 (as before) ]]]]
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[07:25:19] Chris Farrington: ok back
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[07:25:26] & it was on the right setting
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[07:25:33] & but I reset it back to the same one
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[07:25:39] Nicolas NARDETTO: perfect
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[07:25:42] Chris Farrington: after cycling through some things
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[07:25:52] & let me know how it is
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[07:26:12] Nicolas NARDETTO: it is getting better I think...
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SB

UT 05:28 temperature on camera stabilising... no jumps, just cooling i.e. Nb photons decreasing to ~40.

UT 05:31 register again, ~~HD135742W2W1S2.2012.07.22.05.14.~~ but just as we start, the problem begins again, after setting density. Close shutters to verify. Abort. We keep directory for camera tests.

UT 05:45 After stabilisation, Nicolas set density first, then started recording... seems to be OK, but only have 3-4 minutes. Recording.

HD135472W2W1S2.2012.07.22.05.41. Up to Bloc 11 OK.

D_R2720.2012.07.22.12.18 Spectral calibration.

Configuration: W1P1B1-W2P5B2-E2P2B3: (CLIMB tracking only)

2. Programme V43 (seismo: HR7349/HD181907)

UT 06.00 begin with check star HD 182640.

UT 06.33 adjusting offsets. VEGA offsets 12 = 7.17, 23: 4.18

UT 06.35 CAL1-HD 181440. **HD181907CAL1W2W1W2.2012.07.22.06.03.** Added 10 blocks. Peaks not very clear, we see Peak 23, but not 12. Lost from block 27 onwards because of clouds.

CLOUDS... wait.

UT 07.08 got fringes on target, between clouds. Recording.... 40 blocks.

HD181907W2W1W2.2012.07.22.06.54 Lost light on telescopes between Blocks 16-21 (have to move carts). Added 10 blocks (50 total). Can't really see VEGA fringes :(but CLIMB fringes OK. Clouds in and out all the time.

UT 07.30 On CAL2 = HD 188293. **HD181907CAL2W2W1W2.2012.07.22.07.31.** 40 blocks. Faint star, can't see VEGA peaks. CLIMB fringes OK.

D_R2720.2012.07.22.12.18 Spectral calibration.

3. Programme V01 (Exo: HD 190360)

UT 07:57. On CAL1 = HD190993. **HD190360CAL1W2W1E2.2012.07.22.07.57.** 40 blocks. Block 7-9 clouds, no fringes. Not very clear peaks on VEGA, but fine on CLIMB. We see a peak from Block 30 on!!

UT 08:20. On TARGET HD 190360. **HD190360W2W1E2.2012.07.22.08.22** We see two peaks.

UT 08.55. On CAL2 = HD 193369. **HD190360CAL2W2W1E2.2012.07.22.08.57.** 40 blocks. Lost blocks 13-14, 29.

D_R2720.2012.07.22.12.18 Spectral calibration.

Configuration: E2P2B2-E1P1B1-W2P5B3 (CLIMB tracking only)

4. Program V01 (HD 217014, 50 Peg)

UT 10.00 Waiting for clouds to pass

UT 10.52 On CAL3-HD560. **HD217014CAL3E2E1W2.2012.07.22.10.53** 35 blocks.
Two beautiful peaks and 3 peaks at end!

UT 11:14 On HD 217014. **HD217014E2E1W2.2012.07.22.11.14.** CLIMB fringes OK,
but only see 1 peak on VEGA. No more delay on w2e1 from block ~21. Continue
observing on w2e2. Finish block 31.

UT 11:39 On CAL3-HD560. **HD217014CAL3E2E1W2.2012.07.22.11.39.** 40 blocks.

D_R2720.2012.07.22.12.18 Spectral calibration.

** FIN **
