Log CHARA/VEGA 2016-05-29

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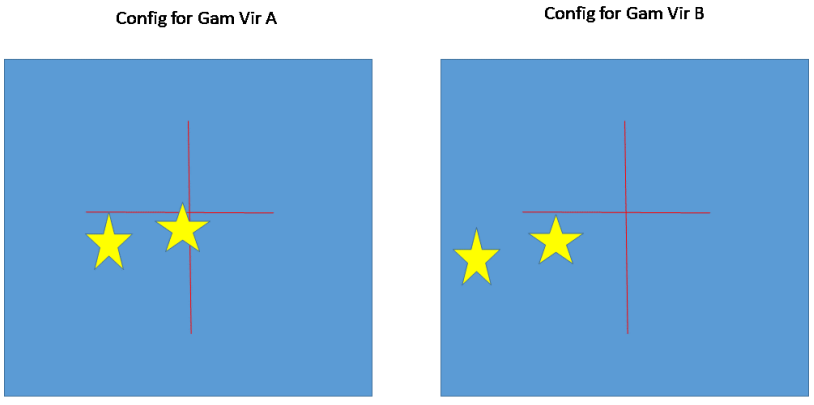
UT03:20: Start, everything sounds ok. All applications start correctly.

NOAO gam Vir on W1P3B2-W2P5B3 *(POP3 not correct in starlist file)*

UT03:30: start slewing. R0 around 9cm. Resolution in the ACQ field of CHARA does not permit to see the 2'' separation between the two components. Probably something that we could see on the image field of VEGA but the viewer is set by default in pupil mode. So Chris goes into the lab and we can clearly the two stars (not well focused) on the image viewer. Light is indeed spread over the total height of the slit which means that we have both stars. They are well separated vertically so we start by the one in the bottom part of the slit and we will switch after that.
UT04:25: start looking for fringes with CLIMB. CLIMB will probably see the fringes of both stars
UT04:30: clouds… one of the fringe packet is seen on CLIMB. Chris is looking for the second one. Clear fringes seen at -2800µm.
UT05:00: we confirm that VEGA observing is possible without ctrscrut mounted. By the way the operation looks very smooth and refreshment of CLIMB window is very smooth.
UT05:04: start recording. **GAMVIRAW1W2.2016.05.29.03.32**. r0 around 11cm. Photometry is stable enough. Fringes are stable on CLIMB. Clouds around #33. Fringe peak seems to appear on VEGA in the upper right corner (700µm), the frequency seems a little bit low but it looks like a fringe signal. V^2 is very low on this baseline…
UT05:40: we change the tiptilt position to center the second star. Both stars are clearly separated and we can center the second one, the first one being now very low on the slit (almost out in fact) and the centering in lateral position is optimized.



VEGA Image viewer

UT05:50: **GAMVIRBW1W2.2016.05.29.05.30**. fringes CLIMB servo on the same OPD position (-2650µm) as the other packet is not seen by Chris. We will see on VEGA what happen. Fringes seen on VEGA (300µm). R0 around 12cm. Fringes on CLIMB are stable, photometry is good.
UT06:20: Spectral calibration **D_R1612.2016.05.29.06.19**.

NOAO gam Vir on E1P1B1-E2P2B2

UT06:25: Some issues with the Periscope and sockman. E1 pupil has been aligned initially but no way to align E2 pupil as the pupil viewer is in image mode. We center the A star on

the slit. Issues with network (sockman not responding and ZABER2 GUI not opening). We reopened our confServer but in the same time Chris has restarted sockman. It's ok after that and this seems to be clearly the way it should go. Hard to align E2. Images of E2 were very bad on the image viewer.
UT07:08: Start CLIMB. Offset is 3328µm. OPD in VEGA is 300µm so good for HR. r0 around 8-9 cm (we are low). Fringes are moving more on CLIMB than before. 40 blocks. **GAMVIRAE1E2.2016.05.29.06.55**.
UT07:41: alignment on the second star. Clouds
UT07:50: we stop. **D_R1612.2016.05.29.07.55**.

V66 program on W1P3B2-W2P5B3

UT08:10: first star HD148184 alignment of pupils but Clouds.
UT08:15: alignment of the slit.
UT08:20: Start CLIMB alignment, fringes are moving on CLIMB .r0=8-9 cm
Offset W2= 2670 µm CLIMB_B1=1.28, CLIMB_B2=-0.72
UT 8:31: fringes are found **HD148184W1W2.2016.05.29. 08.00** (hour angle 40mn)
UT8:39: fringes are beautiful
UT: 8:44: 40blocks
UT 8:50: **HD148184W1W2.2016.05.29.08.49** (hour angle 01:05:30)
UT 8:51: fringes are found, start recorded
UT 9:09: 40 blocks
UT 9:11: change the star to **HD191610**
UT 9:21: alignment
UT 9:30: Start CLIMB alignment r0=10 cm
Offset W2= -3730 µm CLIMB_B1=1.32, CLIMB_B2=-0.68
UT 9:43: **HD191610W1W2.2016.05.29.09.12** (hour angle -01:42:56)
UT 9:43: fringes are found, start recorded
UT 10.01: 40 blocks
UT 10:02: change the star to **HD193911**
UT 10: 02: fixe the star
UT 10:03: alignment, r0=8-9 cm , issues with the CHARA gui (zbaer bc1) which need to be started again during the alignment Shutters have been started 2 times
Offset W2= -2900 µm CLIMB_B1=1.32, CLIMB_B2=-0.68
UT 10:20: fringes are found, **HD193911W1W2.2016.05.29.10.02** (hour angle: -01:16:60)
UT 10:39: 40 blocks
UT 10:40: Change the star to **HD200120**
UT 10:42: alignment, r0=8-9 cm
Offset W2= -3600µm CLIMB_B1=1.32, CLIMB_B2=-0.68
UT 10:51: fringes are found, **HD200120W1W2.2016.05.29.10.38** (hour angle: -01:26:15)
UT 11:08: 40 blocks
UT 11:09: change the star to **HD191610**
UT 11:10: Start to fixed the star and alignment
UT 11:13 stand by the CHARA, issues with telescopes, clouds, all 3 telescopes got lost at the same time
UT 11:33: star is too high to init, too high to track
UT 11:51: fixe the star r0=8-9 cm
Offset W2= -1730µm CLIMB_B1=1.28, CLIMB_B2=-0.72
UT 11:55: fringes are found, **HD191610W1W2.2016.05.29.11.09** (hour angle = 29:03)
UT 12:03: 20 blocks, SNR is very huge , r0=10-11 cm
UT 12:12: 40 blocks
UT 12:17: **D-R2656.2016.05.29.12.17**
UT