

Night 2022-10-11, Norm, Cyprien, Matt, Jeremy, Denis-Julien-Pierre

E1W2W1S2S1E2 (351214)

- In the afternoon, we adjusted the V-groove to better optimize the instrumental visibility on B1B6 and the result is very good now. We obtained new VLDC positions to minimize the dispersion of the STS
- Fiber explorer on STS to optimize the injection and new values of the positions recorded in reference.dat
- Zerovldc command set in spica_ople
- UT2h00: waiting for the good conditions, some clouds at West and also coming from North-East.
- UT4h00: Fringes LR with STS after very accurate correction of OPD and after the alignment made this afternoon.
 - Fringes
 - Dark
 - Foreground
 - Kappa
 - Calib spectrale
 - Dark pour Calib
 - Really nice results
- UT7h00 Always clouds, so new PDC measurements with the new alignment.

Check of the instrumental visibility

- UT8h45 we open on gam Cas to check E1E2 visibility. Fringes found immediately at the right position and with a much better fringe contrast than yesterday.
- Preparation of 6T operation on HD17573 in 6T mode POPs 152432
- AO program first on HD17573 mV=3.87 (start
 - Default Matrix: CONTROL & SCIENCE 3000f (023828 SCIENCE)
 - Dark CONTROL & SCIENCE 1000f (023911 SCIENCE)
 - PSIM CONTROL & SCIENCE 3000f (024304 SCIENCE)
 - Default Matrix: CONTROL & SCIENCE 3000f (024627 SCIENCE)
 - PSIM CONTROL & SCIENCE 3000f (025009 SCIENCE)
 - Default Matrix CONTROL & SCIENCE 3000f (025303 SCIENCE)
- Preparation 6T. LDC are ok but VLDC are not OK. VLDC4 <5 and VLDC3>21
- S1S2 fringes seen, E1E2 or W1W2 not seen. Operation of the VLDC is complex, the server is running many processes and it is probably generating too much messages
- We try on HD32630 more to the East and North
- When VLDC is at the limit the motion should stop and the calculation of the compensation of the glass thickness with the delay line should take the actual value and not the calculated one.
- Moreover the calculation of the position of the delay lines is badly done

UT 11H00 we shift to SPICA-FT activities but nothing done as it was impossible to get correct values from the shared memory.