Night 2022-10-06, Norm-Narsi-Matt, Denis-Julien-Pierre

E1W2W1S1S1E2 (351214)

- UT2:00, lab is ready but we are stuck with the control of the SPICA DL. Absolutely no motion.
- We start with the reconstruction matrices activity on S2 then E2.
- Handover to MIRCX for observations, at least if the issues on SPICADL are not solved.
- P Cyg observed with MIRCX, Halpha ok to the right in LR.
- S2 Pup is asymmetric, with vignetting. Poor correction of the AO. S1 images is much better.
- Seeing is fast tonight, FTT correction is poor.
- UT7h30, we finally succeed in solving the issue on the SPICA DL. All are functional finally. This is probably due to the change of settings in the MetBox + the difficulty of doing an INIT of the stages after an overstroke issue. This could be due to our tests of software of yesterday where some functionalities were disconnected.
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- First tests with STS fringes and chromatic corrections coming from MIRCX/
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- UT10h00 eta Tau MLDC+VLDC+DDL fringes S2S1 recorded on SPICA LR, 20ms de DIT. Important dispersion of the fringe peak. Offsets S2S1=13090/10338 on STS, 13090/10058 on star. Fringes/Dark/foreground.
- Good seeing estimated to 20cm. Very nice tracking by the FTT.
- Dark+fringes+foreground after new settings of the VLDC (but we are not sure of what has been done). In this case the stabilization of the OPD was excellent and the correction of the dispersion was also very good.
- Spectral calibration LR + Dark
- We tried to erase the SPICA offset and to restart spica_ople. It comes back to the right position. We did the same with the offsets and the VLDC but after that it was really hard to get the fringes without dispersion. And apparently spica_ople was not calculating correctly the values for the VLDC.
- S1 41m, S2 31m d'air, donc gros LDC sur S2, petit VLDC sur S2.
- Le souci c'est que spica_ople est difficile à paramétrer et que selon les instructions données on peut se retrouver avec des résultats de calcul différents. Il faut apprendre à comprendre ce que fait ce code… Pas évident
- Try on W1W2. Fringes found on W2W1 with LDC active and offset at 22682. It means +3800 with respect to STS,.
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