

2023-04-08 Fred, Denis, Olli

First night after the winter break and the snow event. All scopes except W1 are ready.

- UT2h30 arrival in the lab. MIRCx set on Prism50 and aligned and cophased with STS. SPICA aligned and cophased with STS.
- UT3h00: Calibration sequence on SPICA/STS (BIAS, DISP, KAPPA, STS6T in LR). Clouds and RH increasing prevents us to open for the moment.
- UT9h45: Clouds are thinner, and we start for checking. Some issues
 - S2 light not seen but Olli succeeded in solving that.
 - Issues with the esp_bs servers (beamsampler) and thus spica_ople can not get the correct setting.
 - Light seen on all scopes except W1 (not active) on MIRCx maps and on SPICA.
- Fringes found on MIRCx
 - $E2=0.080$, $S2=-1.630$, $S1=-1.163$, $E1=1.135$
- Fringes S1S2 with SKY position on SPICA DDL and DL5 at 13120. (DL4 at 12650)
- HD184006. Recording 20 files of 1000 frames. Fast tip/tilt is quite poor. Seeing around 10-11cm.
- Spica_ople was not set with the correct zerovldc values...
- So we are back with zerovldc 5.0 5.8 4.8 3.5 5.2 3.9 DL5=13017 after adjusting the zerovldc.
- New recording of 20 files of 20ms with the zerovldc according to the STS findings. PS coadd 100 in spica RTD. File#9 (shutter sequences). Huge piston, MIRCx is not guiding very well for the moment. The sequence has been interrupted in fact during file 9.
- Coherent 5 on MIRCx and thus better tracking of the fringes.
- New record on SPICA 20 files of 1000 frames. Much better tracking of the fringes in SPICA. Some fringe jumps because MIRCx saturation.