2022-08-14 FA, PG, SR, DM – Olli

E1W2W1S2S1E2

- E1 Pop3 B1
- W2 Pop5 B2
- W1 Pop2 B3
- S2 Pop2 B4
- S1 Pop1 B5
- E2 PoP4 B6

- On STS, everything OK on SPICA and MIRCX
- UT3h15 ready to slew to HD180163
- Communication between MIRCX and OPLE not established. So it was necessary to reopen all the servers.
- UT3h50 Fringes MIRCX HD180163: -0.2 -1.1 -1.7 -1.5 -0.7
- Images on SPICA are not very good. It was necessary to reinitialize the grating.
- UT4h00: realign the scopes. SNR fringes on MIRCx is not very good. E1W2 and S2 realigned again. Hard to start spicaft loop, low snr on this star and these conditions.
- UT5h00! Mircx recording on HD180163 with spicaft tracking. Some fringe jumps on S2. FT not very good, seeing isnot as good as yesterday. E2 cart stuck at the end of the first sequence of 300s
- UT5h07 New fiber explorer and second recording of 300s of data on MIRCX but E2 and S2 lost during recording
- Record shutters UT5h15 after fiber explorer. Background, beams and foreground (+15mm on S1, +5mm on S2, -25mm on E1, +25mm on E2, -5mm on W1)
- UT5h30 HD213558 now. Fringes at -0.9 -1.3 -2.3 -1.9 -1.3. Difficult to lock E1 fringes with spicaft. Realign at UT6h45 (7mn for all alignment).
- UT7h00 crash OPLE.
- UT7h25 mircx data recording 300s. Some E2 glitches but overall good tracking by spicaft E2 lost at the end
- UT7h32 new sequence of 300s data after fiber explorer.
- UT7h37: fiberexplorer and shutter sequence. Sur foreground E1E2 fringes present…. Strange…
- SPICA 6T, DIT=50ms. Foreground in MR on SPICA. Record Dark 1000 by template; record foreground 3000. Spectral calib (gain=1) with Neon lamp and associated dark. 5 files of 2000 frames recorded with SPICA. Fringes S1S2 well seen. In MR. Others are not seen on the RTD. Check in the processing… template sjy fringes???
- UT8h20: full realignment of scopes
- UT 8h46: SPICA6T DIT=100ms, spicaft well locked. 5 files of 2000 images but fringes lost on some carts
- E1 cart has a strange behaviour, fringes are drifting a lot from time to time.
- UT9h00 move to HD3360
- Very difficult to have at the same time OPLE offset and FT offset adding on the carts. If FT offsets are not at 0 then OPLE offsets are changing… and reversely. We should try to find a solution for that. At least it is necessary to

- Fringes HD3360 –0.4 -0.9 -1.8 -1.4 -0.9
- Very good tracking on spicaft on hd3360 0.04 0.6. W1 lost!
- 100ms on SPICA. Dark and 5 files of 2000 images but fringes lost rapidly
- Data on MIRCX at UT9h52 at the same time. E1 lost but not relocked at the end of first file spica
- Many issues with SPICAFT, losing carts rapidly. There was a bug in the code by Sylvain, following a temporary modification. So we continue on trying to understand the issue. Fixing the problem of labels in the RTD. The automatic setting of the thresholds is not yet ready, so manual setting by moving one cart of 60 microns and looking at the SNR display on the gtk on the 5 corresponding baselines.
- UT11h clouds - stop