

**2022-08-17 FM, NN - Olli**  
**E1W2W1S2S1E2**

UT03:00 Start of all servers. STS done. Image of beam 2 elliptic.

UT03:34 **We slew to HD180163** (Eta Lyrae). Spectroscopic binary. V=4.4; K=4.8.

UT03:43 Display is very slow, almost frozen.

UT04:07 Image mirror control alignment done on the star. But extremely bad: images are "exploded".

UT04:13 All fringes with MIRC X are found in 13 minutes: 0.08/-1.89/-1.35/-1.18/-0.50

UT04:20 Realignment of beacons. But SPICA images still poor.

UT05:09 We tried LABAO OFF default flat (not better), LABAO OFF new flat on sky (a bit better).

Alignment of pupils check... Clouds again.

UT05:20 **We slew to HD213558**. V=3.8; K=3.75.

UT05:29 Most of the sky is clouded

UT05:30 We redo STS check. B6 is really far. The delays are long when "cliking" ! Several seconds ! Pupils and images aligned. Fiber explorer redone: very bad (in MR) ! No way to get the gui of HALOGEN : when cliking on MOVE button, nothing happens. We restart the gui. It works. We increase the flux from 0 to P=100000. Fiber explorer again. It does not improve. Restart in LR. The same. The beams of HALOGEN are not so nice actually on the SPICA is aligned and it should not be a problem on sky.

UT06:30 Still cloudy but perhaps a hole. Olli tries to lock.

UT06:45 Start SPICA alignment on sky.

UT07:00 Alignment done. Checking fringes on MIRCX

UT07:18 Fringes on MIRC found : -0.26/-1.63/-1.70/-1.31/-0.79. Flux on SPICA fine. Box mean fluxes between 300 (B1) to 1300 (B5).

UT07:28 SPICA-FT ready but clouds again ! Argh !

UT07:44 A hole in Clouds. We restart. Flux on SPICA. Setting SPICA-FT.

UT08:21 MIRC-X fringes found : 0.125/-2.1/-1.17/-0.87/-0.42 (button FT OFF). Foreground, and then, we lose the fringes ! New values: 0.17/-2.2/-0.98/-0.68/-0.31 (button FT OFF). But asap we use spica-ft (button FT ON), we lose all fringes...

New values (using FT button ON): -0.1(shift -0.2)/-2.0(shift -0.2)/-0.98(the same)/?/??. Out of delay, argh!

**UT09:08 We slew to HD3360**

UT09:31 clouds again. Standby.

UT10:01 Restart. Good flux on SPICA-VIS.

UT10:34 Some fringes are missing on MIRC-X but trying to find fringes on S1S2 with SPICA-VIS (LR).

UT10:39 All fringes on MIRC-X (W1 LDC out of range) : -0.34/0.51/-1.27/-1.66/1.00. But asa we try to close the SPICA-FT loop we lose the fringes !!!

UT 11:08 : 0.06/-0.63/-1.13/-0.71/-0.36. Fiber explorer. W1 lost. We close the loop without gain, and we increase the gain slowly to test. No more delay ! Difficult to conclude if it worked.

**UT11.20. We slew to HD17573**

S1(1) S2(2) W1(2) W2(5) E1(1) E2(2)

Alignement done on pupils and images. Flux on SPICA (mean box fluxes between 500 and 1600).

UT12:14 MIRC-X fringes : 0.48/-0.78/-1.27/-1.49/-0.19.

UT12:15 Try to apply SPICA-FT. Foreground done. Loop on, but we lost fringes. End difficult with clouds again, bad S/N and the guis are very very slow....

UT12:39 no more delay on E1... and clouds on S1S2. We stop

UT12:40 STS checks.