

A SHORT MANUAL FOR THE COMP-S @ LSO OBSERVER

v.1.5, 2024/10/20, PS+JR

DATE:

OBSERVER(S):

PA_CORRECTION:

DELTA:

OBS_PROGRAM:

TARGET:

PA:

SPECTRAL LINES:

ART. MOON DIAMETER:

RADIAL OFFSET: according 2024/10/20 measurements

PA+PA_corr [degrees]	Offset [mm]	PA+PA_corr [degrees]	Offset [mm]	PA +PA_corr [degrees]	Offset [mm]
000	12.8	045	10.8	090	9.2
135	8.5	180	7.8	225	11.0
270	12.7	315	13.0	360	12.8

THE PROCEDURE IN SHORT:

- **basic preparations:**
 - write temperatures – HH:MM
 - dome: open – HH:MM
 - dome: CoMP-S CM air tunnel covers OFF – 2 pieces!
 - dome: corR – diffuser out from the end switch
 - dome: pointerR - white cover of diodes OFF
 - electro-office: power for a-brake + power for instruments - switch ON
 - electro-office: HC heating - switch OFF
- **plugg IN:**
 - dome webcam (near the el. board on the wall)
 - ABSO/TARG electronics
 - AISAS electronics
 - Harting cable – both ends
 - USB cable at the CoMP-S CM
 - diode cable and 2 Harting cables for the UJ2P
 - 3 black + 1 white power cables to the isolated el. system
 - HC power cable to its body

- **switch ON:**
 - ABSO/TARG electronics
 - AISAS Mechanisms electronics
 - HC main switch (hear CoMP-S FM filter wheels noise)
 - ILX electronics and start LF temperature stabilization – HH:MM TT.T
 - NI board
 - 2 ANDOR cameras
 - pre-heating of the pre-filters ON
 - PC in the office/dome
- **settings at the coronagraph:**
 - CoMP-S radial offset – M.M
 - PA_correction + PA - AAA
 - artificial moon change
- **observer's PC actions:**
 - ssh user@auriga.astro.sk: wol_comp-s, wol_uj2p
 - lso_comp-s_observations_computer_setup
 - EDIT_OBS_LOG
 - remind to PCs of CoMP-S and UJ2P
- **coronagraph towards the Sun:**
 - set declination
 - pointing toward the Sun
 - a-drive ON – HH:MM
- **DOME ROTATION:**
 - set the slit azimuth for the cors L+R+pR centered in the slit
 - xchange power cable from MANUAL to AUTO
 - dome rotation switch ON
 - keep the window door of the box OPEN
- **UJ2P LV:**
 - set PA_correction + PA
 - ada
- **CoMP-S LV SCMP:**
 - initialization: set parameters
 - setup for the preferred sp. line
 - diffuser open
- **CoMP-S during observations:**
 - pre-heating of the pre-filters OFF