

Acronyms / Jargon / Etc

Machines

LGC - Linux gateway computer, main node used to access the LCU and REALTA

LCU - Linux control unit, the telescope's brain, used to configure observations, accessibly only via the LGC on the ilofar user

ucc1 - Main recording machine

Paths

REALTA:/mnt/ucc1_recording2/data/observations/YYYY_MM_DD - recording drive path

REALTA:/mnt/ucc1_recording2/data/scripts - recording scripts locations

ilofar@LGC:~/scheduling/schedules - input schedule file folder

Concepts

Software level (swlevel)

- 0 - Station is shutdown
- 1 - Station has basic power
- 2 - Minimum observing mode, hardware can generate antenna correlations
- 3 - Station is fully setup and can beam-form
- 4+ are not needed in a quick-start guide

RCU Modes

- 3: LBA, 0 - 100MHz
- 5: HBAlo, 100 - 200MHz
- 7: HBAhi, 200 - 250MHz

Data products

- BST: typically 1 second cadence data
- XST: Antenna cross-correlations for all-sky imaging
- CEP/REALTA Data: The 3Gbps data stream containing 5.12us data