ASTRON

Netherlands Institute for Radio Astronomy

Programme:

1. *Array status & Observatory update – L. Cerrigone*
2. *LTA status update – J. Schaap*
3. *Holographic station calibration for LOFAR – M. Brentjens*
4. *AOB*

Array Status

- ➤ Further software tests going on with CS013. After these are completed, observation tests will start.

- ➤ Station maintenance is going on and can be checked in the telescope schedule

- ➤ DE604 was not reachable on Monday 14, after the weekend in stand-alone mode. It is back in the array today.

Overview, including IS

LBA: 0.8%; HBA: 3.1%

see https://proxy.lofar.eu/array_status/
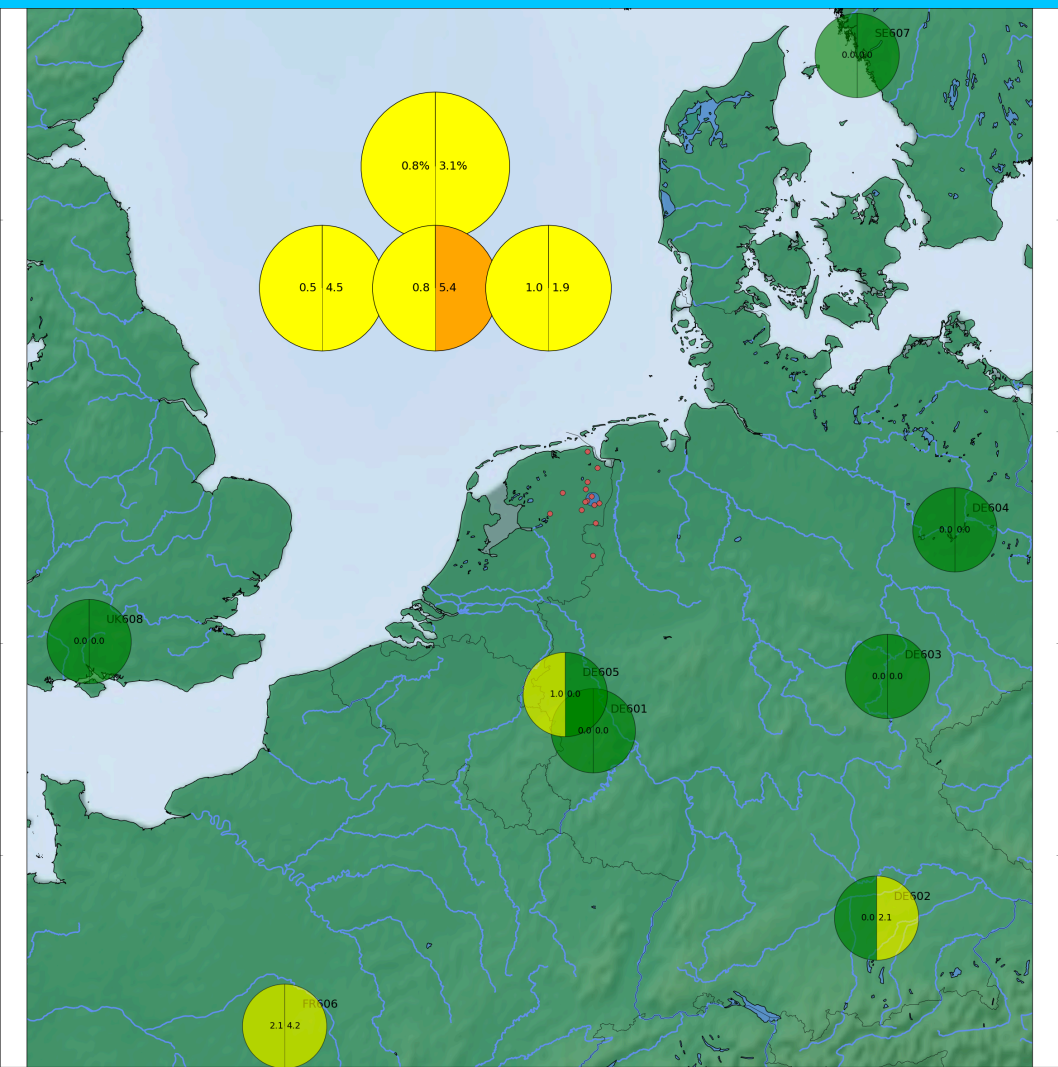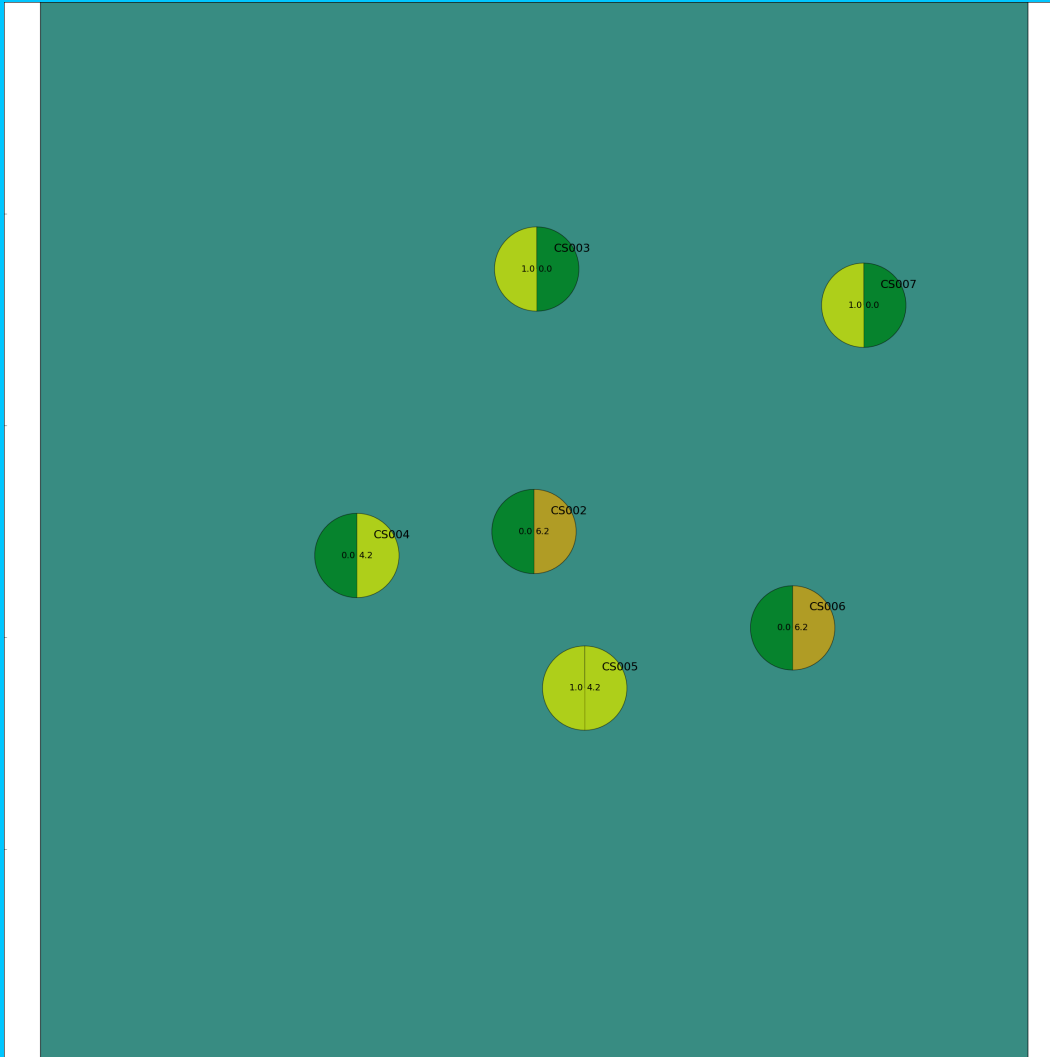

➢ Color coding for non-operational elements at the various stations

- All operational
- < 5% not operational
- < 15% not operational
- > 15% not operational

Superterp

LBA: 0.5%; HBA: 4.5%

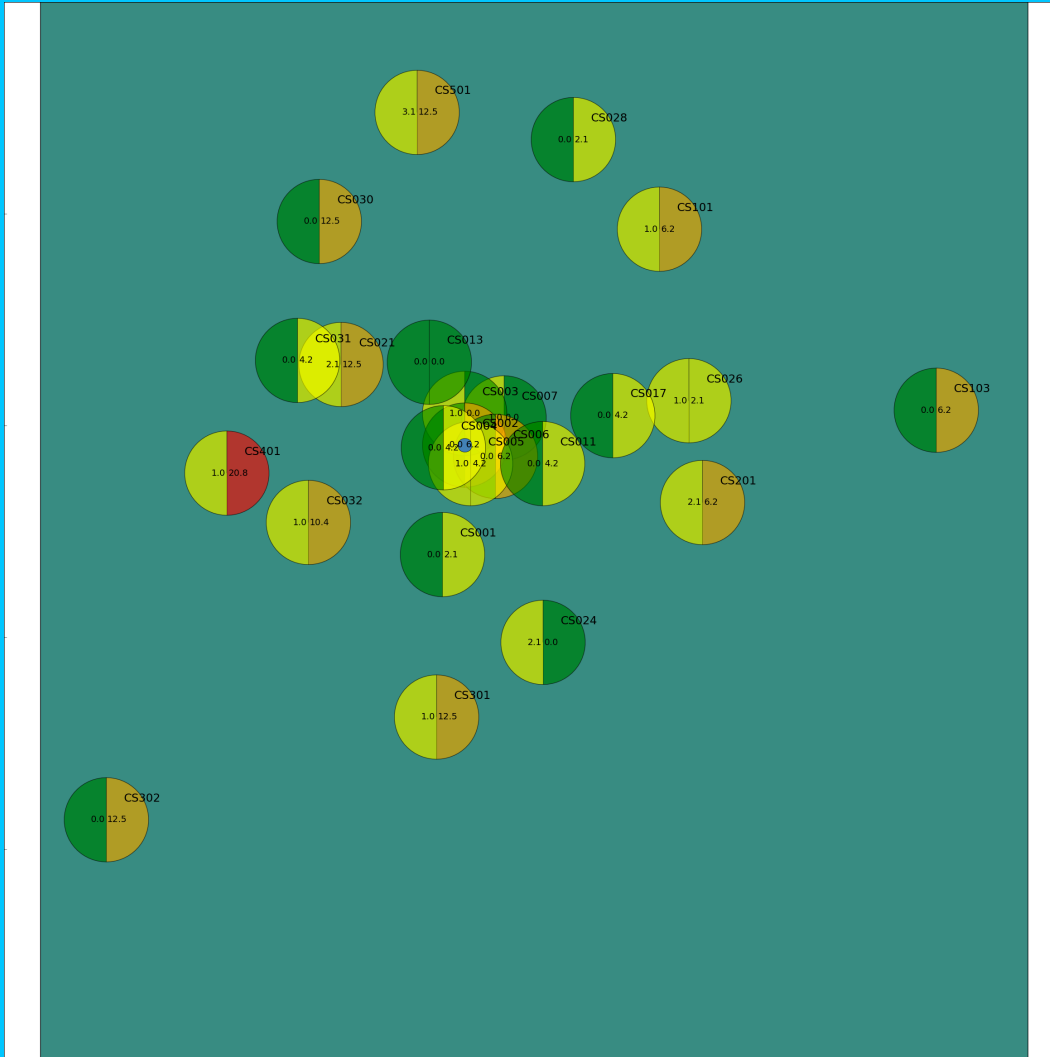> Color coding for non-operational elements at the various stations

- All operational
- < 5% not operational
- < 15% not operational
- > 15% not operational

Core Stations

LBA: 0.8%; HBA: 5.4%

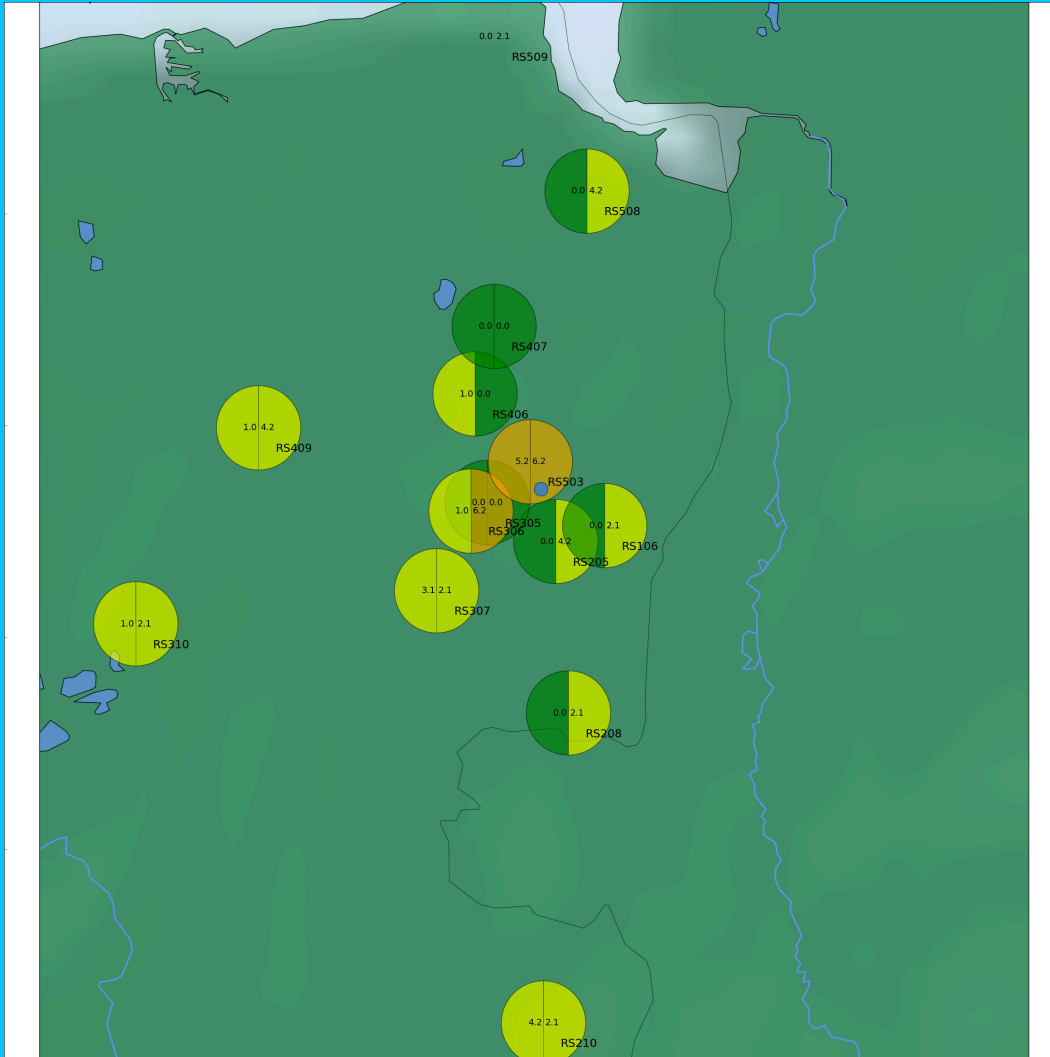- Color coding for non-operational elements at the various stations

  - All operational
  - < 5% not operational
  - < 15% not operational
  - > 15% not operational

Remote Stations

LBA: 1.0%; HBA: 1.9%

> Color coding for non-operational elements at the various stations

- All operational
- < 5% not operational
- < 15% not operational
- > 15% not operational

News regarding the observing system

LOFAR

ASTRON

Construction is going on at the three new Polish stations.

News coming up soon. Stay tuned!

HBA tiles of PL610

News regarding the observing system

➢ Station calibration: New data for mode 5 were acquired and are currently being reduced and analysed. New tables for mode 3 will be installed tomorrow.

➢ Post-roll out tests show that the Long Baseline pipelines can be run again fully. The queue of LB pipelines is expected to be cleared soon.

➢ In general, there is a long queue of pipelines due to instabilities in CEP2 that have slowed down the processing.

News regarding the observing system

➢ On Monday 7 September, a software roll out was performed.

➢ This included the implementation of the 160 MHz clock. Currently, the software team is performing tests to verify its functionality. When these are completed, Science Support will start its testing.

➢ The availability of this observational mode for **commissioning** proposals will be announced in due course. We remind users that this mode was not offered at the latest LOFAR deadline and will not be supported in regular Cycle 5 observations.

News regarding the observing system

Cycle 5 proposal deadline was on 9 September

Number of proposals

Long-term proposals: 10   (cycles 5 to 8)
Regular proposals: 24

Requests for Cycle 5

Amount of observing time: 2100 hr
Amount of processing time: 3200 hr
Amount of LTA storage: 5.2 PB

This is about 1.5 times what is offered by the RO

News regarding Cycle observations CYCLE 4

➢ Detailed Cycle 4 schedule available here:

➢ https://docs.google.com/spreadsheets/d/14JsjFkFxSrK1vzYzaFhZH3jTeFbFHt5GyuF3NyI3Qdw/edit#gid=0

➢ Changes can be applied on a daily basis! Contact Science Support in case of questions/issues

➢ **Always cc 'sciencesupport@astron.nl' and include the proposal code in the subject line**

CALENDAR LOFAR activities

➢ Next LSM : 30 Sept – volunteers welcome!!

➢ CITT workshop : 17-18 Sep at ASTRON

The sessions of the CITT workshop will be streamed live through Vidyo.
To join as a Guest, please use this link:
http://vc.astron.nl/flex.html?roomdirect.html&key=85I2648aJ733IBrgDU5CeeTl2KM
(room PIN: 1234).

The Vidyo client can be downloaded from http://vc.astron.nl

Note: to subscribe to the lofar-news mailing list:

http://www.astron.nl/radio-observatory/subscribe-lofar-news/subscribe-lofar-news