

## 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

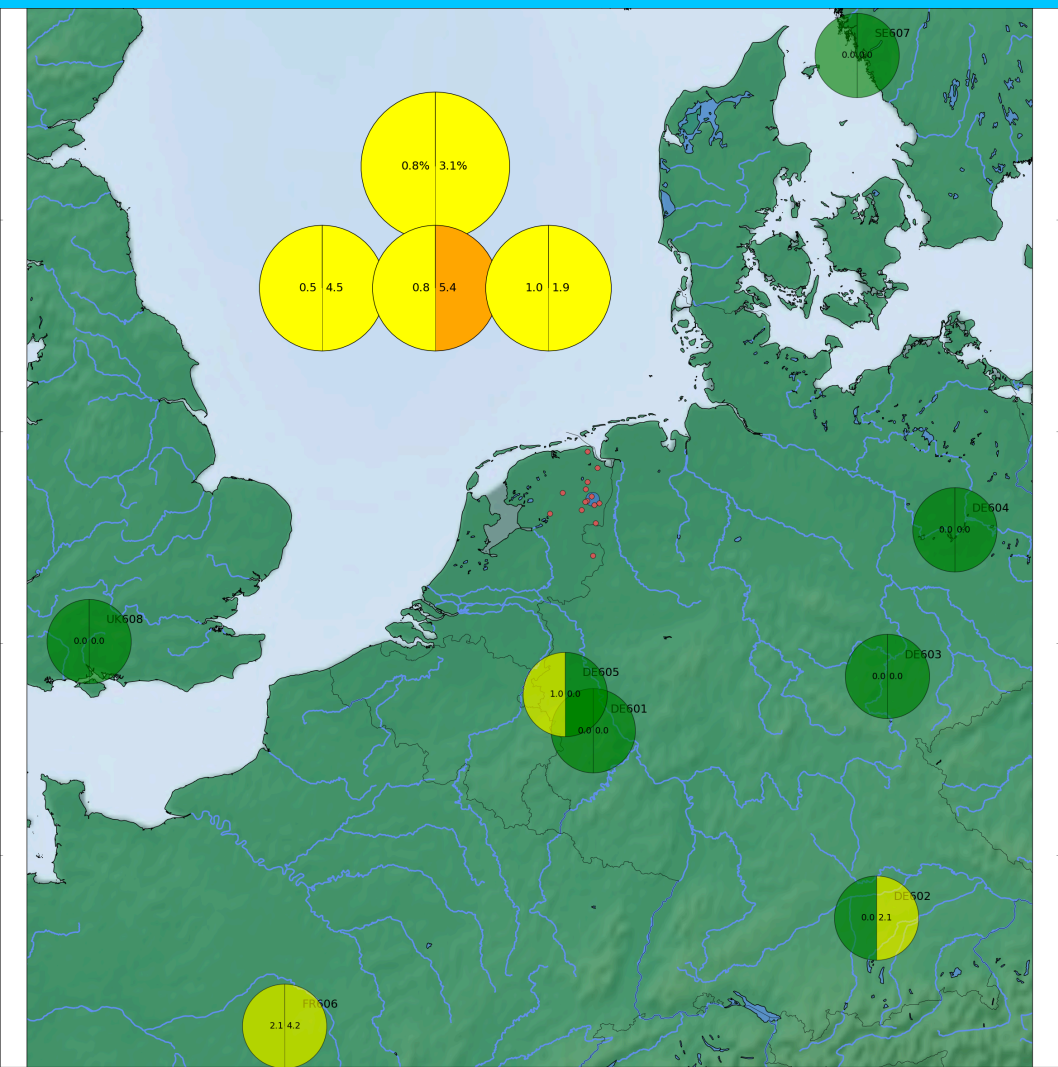


- Further software tests going on with CS013. After these are completed, observation tests will start.
- Station maintenance is going on and can be checked in the telescope schedule
- DE604 was not reachable on Monday 14, after the weekend in stand-alone mode. It is back in the array today.

# Overview, including IS

LBA: 0.8%; HBA: 3.1%

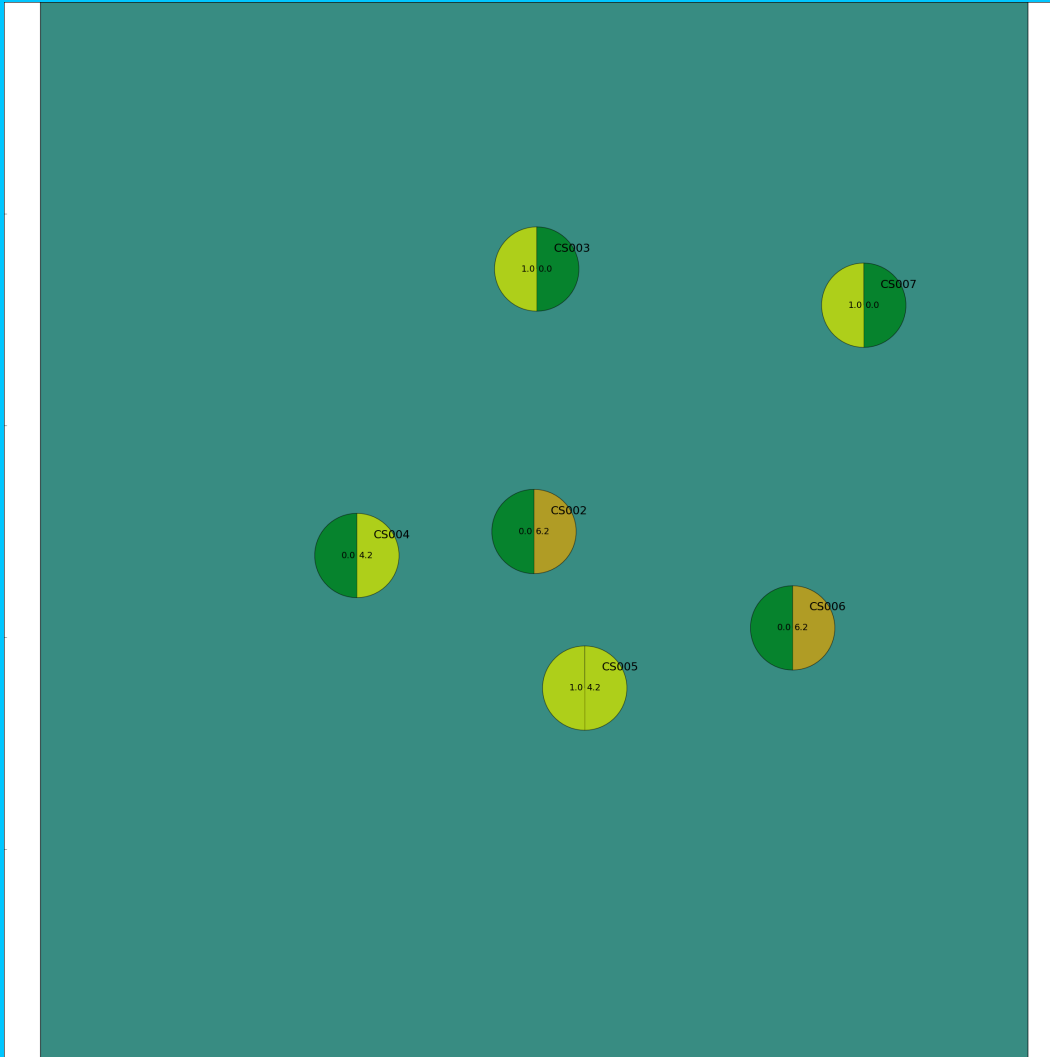
see [https://proxy.lofar.eu/array\\_status/](https://proxy.lofar.eu/array_status/)



- 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%

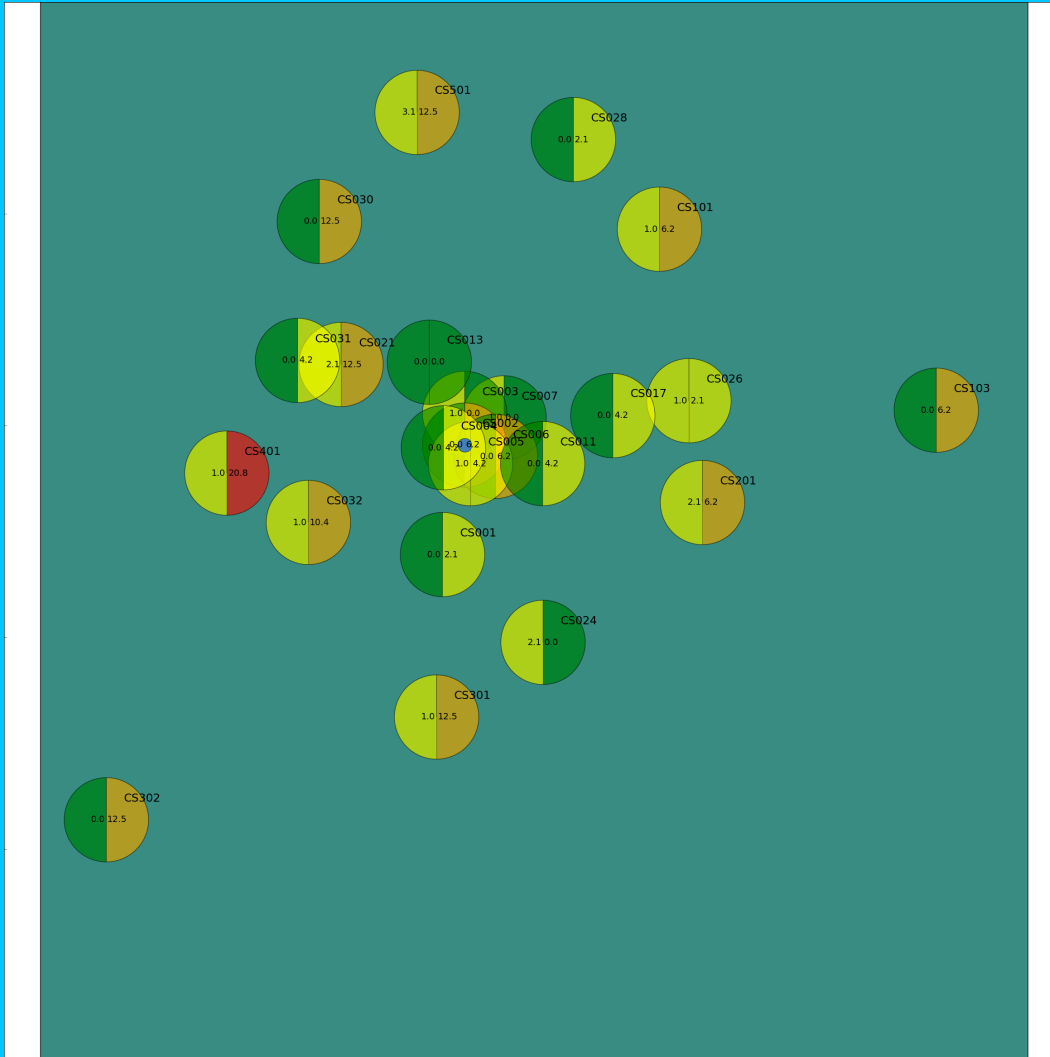


➤ Color coding for non-operational elements at the various stations

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

# Core Stations

LBA: 0.8%; HBA: 5.4%

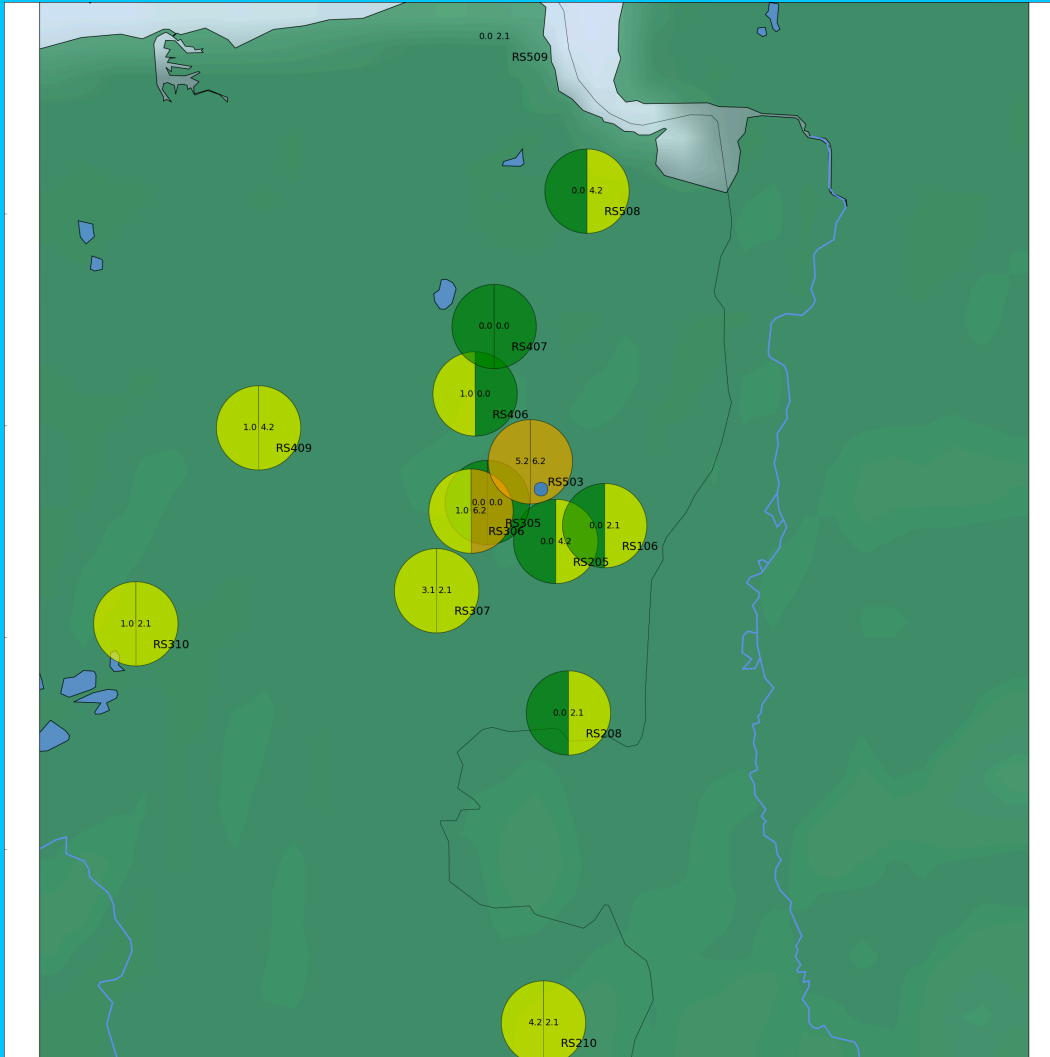


➤ Color coding for non-operational elements at the various stations

- 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



Construction is going on at the three new Polish stations.

News coming up soon. Stay tuned!

HBA tiles of PL610



- 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.



- 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 Cycle observations

## CYCLE 4

Week 39	UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Approximate LST		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
September	16 Wed	LC4_005 - HD3651 - 5hrs LBA	STATIONTEST		System tests					LC4_030 - LOTAAS - 3hrs HBA	Int. stations to ILTmode, System tests	TBB + test runs	LC4_004 - 1809+17	TBB + test runs					LC4_012						
	17 Thu	LC4_012 - HD17156 - 6hrs LBA DO NOT MOVE! - CEP3	TBB + test runs		Validation run with ALL stations - Tables 3 and 5					LC4_034 - P219+32 - 8hrs HBA					TBB + test runs		LC4_007 - 3C9 - 9hrs HBA ALL-INT								
	18 Fri	LC4_007 - 3C9 - 9hrs HBA ALL-INT		TBB + test runs		System tests					LC4_009 - M3 - 4hrs HBA	System tests	TBB + test runs	LC4_004 - 1809+17	TBB + test runs					LC4_012					
	19 Sat	LC4_012 - HD17156 - 6hrs LBA DO NOT MOVE! - CEP3		TBB + test runs					LC4_034 - P229+45 - 8hrs HBA					TBB + test runs											
	20 Sun	TBB + test runs					LC4_034 - G12AB(1) - 4hrs HBA					TBB + test runs					LC4_007 - 3C9 - 9hrs LBA ALL-INT								
September	21 Mon	LC4_007 - 3C9 - 9hrs LBA ALL-INT		TBB + test runs		System tests					LC4_030 - LOTAAS - 3hrs HBA														
	22 Tue	LC4_034 - P159+45 - 8hrs HBA					LC4_036 - 3C418/3C454 - 12x0.5hrs each interleaved HBA - CEP3																		
	23 Wed	LC4_036 - 3C418/3C454 - 12x0.5hrs each interleaved HBA - CEP3		LC4_034 - P230+42 - 8hrs HBA					LC4_004 - 2057+21																
	24 Thu	LC4_030 - LOTAAS - 3hrs HBA					LC4_034 - P222+32 - 8hrs HBA					STATIONTEST													
	25 Fri	LC4_017 - NGC5033 - 9hrs LBA - CEP3										LC3_022 - Zenith strip - 24hrs LBA													
	26 Sat	LC3_022 - Zenith strip - 24hrs LBA																							
	27 Sun	LC4_030 - LOTAAS - 3hrs HBA					LC4_031 - TVLM513-46546 - 4hrs HBA					LC4_004 - 1809+17	LC4_012												
September	28 Mon	LC4_012 - HD17156 ref. - 6hrs LBA - CEP3		LC4_026 - 1641+399 - 4hrs HBA - CEP3					LC3_007 - LOBOS Commissioning - 6hrs LST 18-24																
	29 Tue	LC4_034 - P220+35 - 8hrs HBA																							
	30 Wed	LC4_030 - LOTAAS - 3hrs HBA					LC4_034 - P240+43 - 8hrs HBA - rescheduled																		
	1 Thu	LC4_034 - P219+37 - 8hrs HBA										STATIONTEST													

- Detailed Cycle 4 schedule available here:
- <https://docs.google.com/spreadsheets/d/14JsJFkFxFxSrK1vzYzaFhZH3jTeFbFht5GyuF3NyI3Qdw/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\*\***

- 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=85I2648aJ733IBrgDU5CeeTI2KM>  
(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>