

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

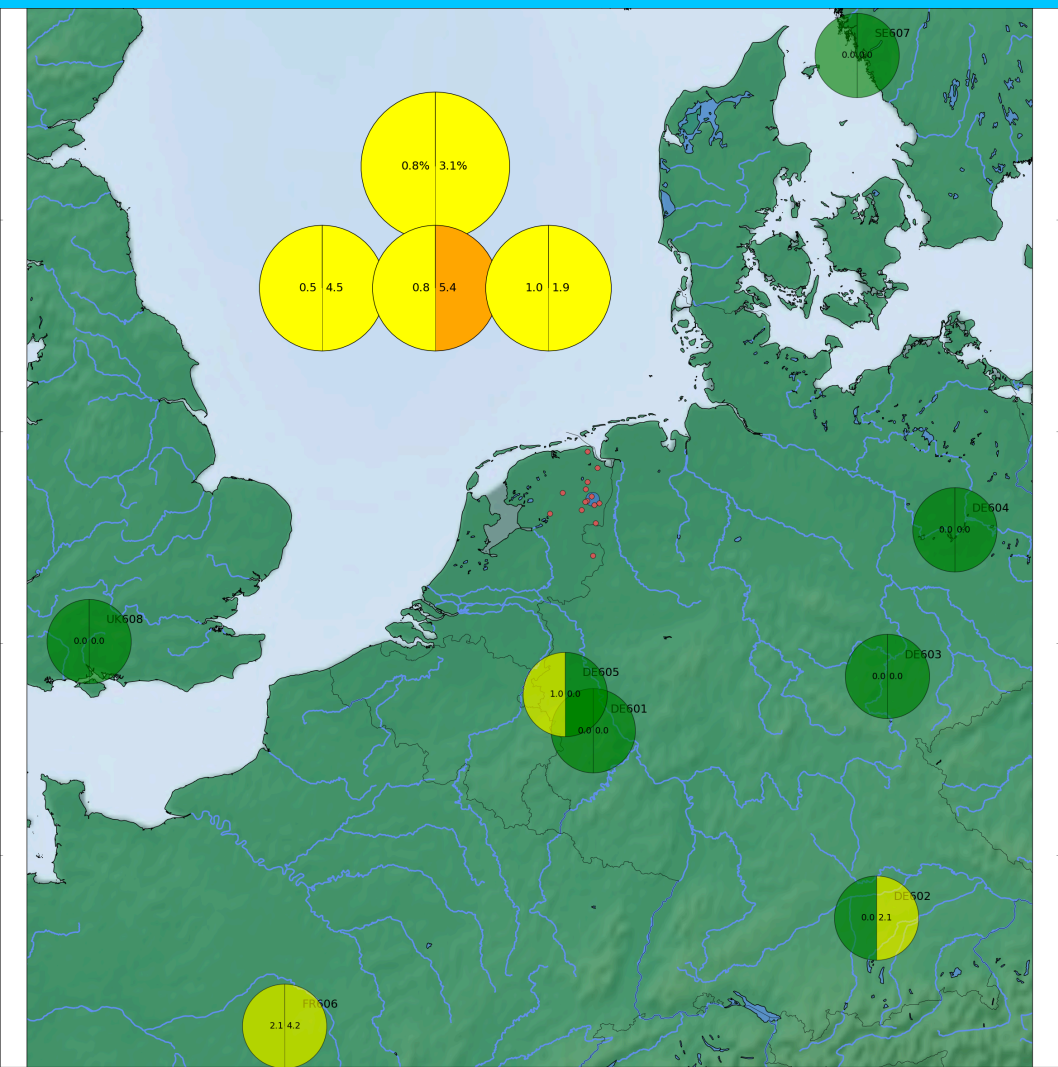


- Further software tests going on with CS013. After these are completed, observation tests will start.
- Station maintenance is going on and can be checked in the telescope schedule
- DE604 was not reachable on Monday 14, after the weekend in stand-alone mode. It is back in the array today.

Overview, including IS

LBA: 0.8%; HBA: 3.1%

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

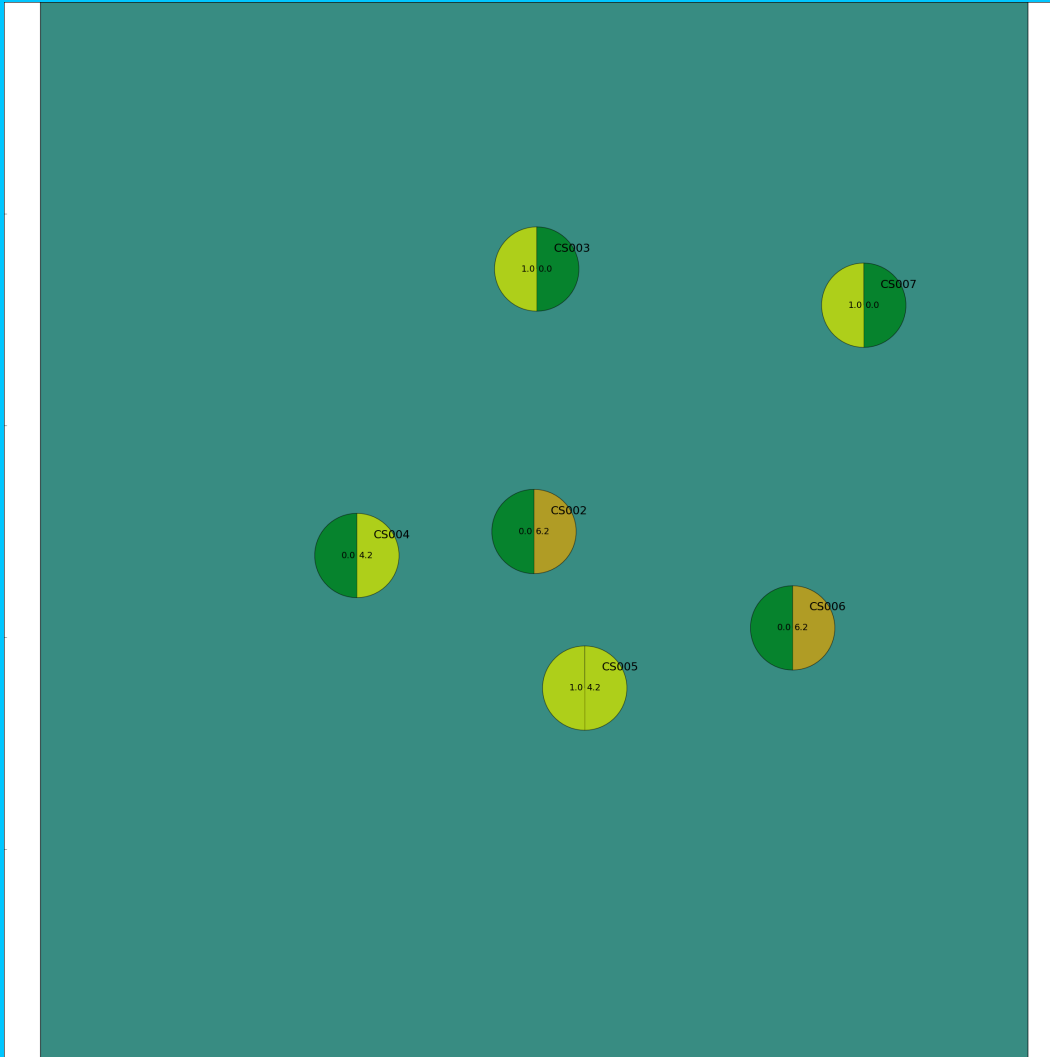


➤ Color coding for non-operational elements at the various stations

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

Superterp

LBA: 0.5%; HBA: 4.5%

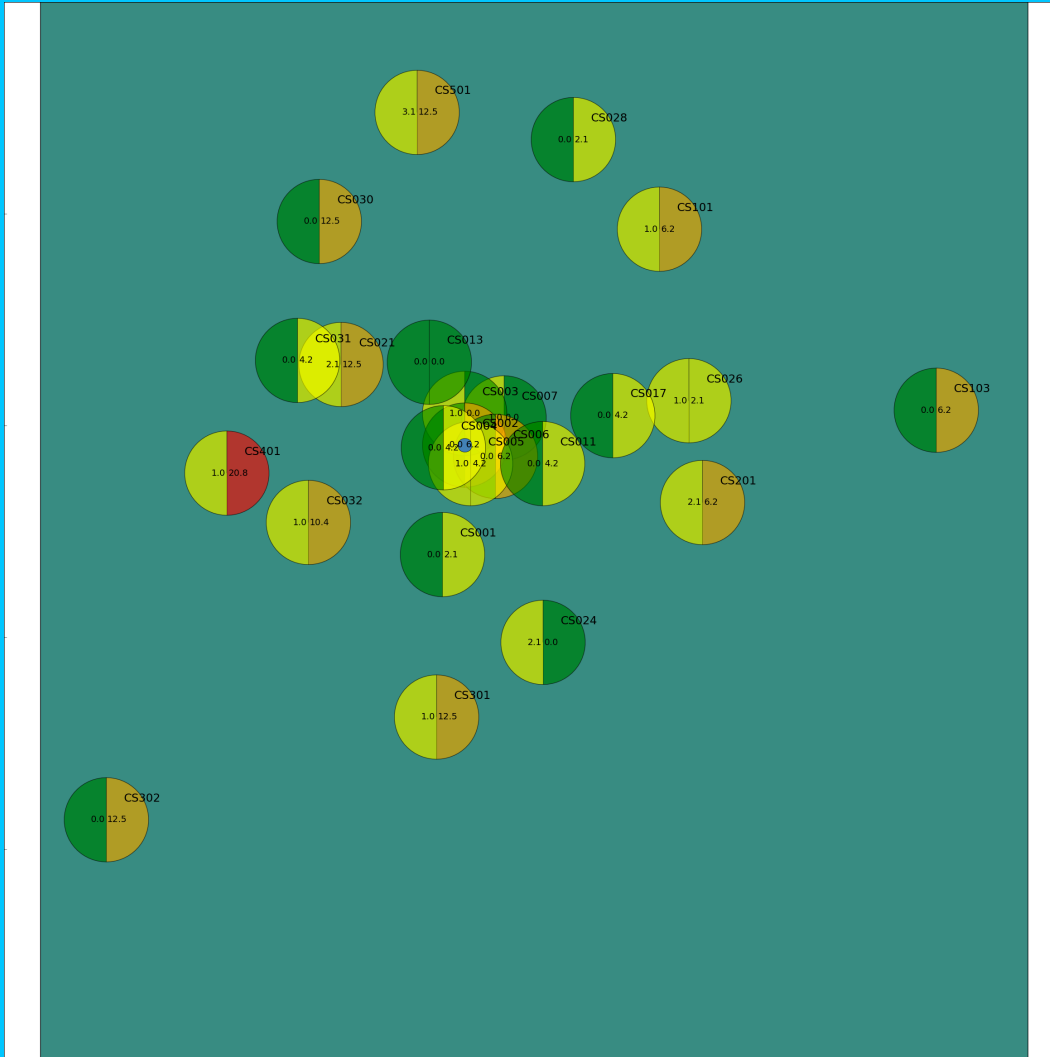


➤ Color coding for non-operational elements at the various stations

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

Core Stations

LBA: 0.8%; HBA: 5.4%

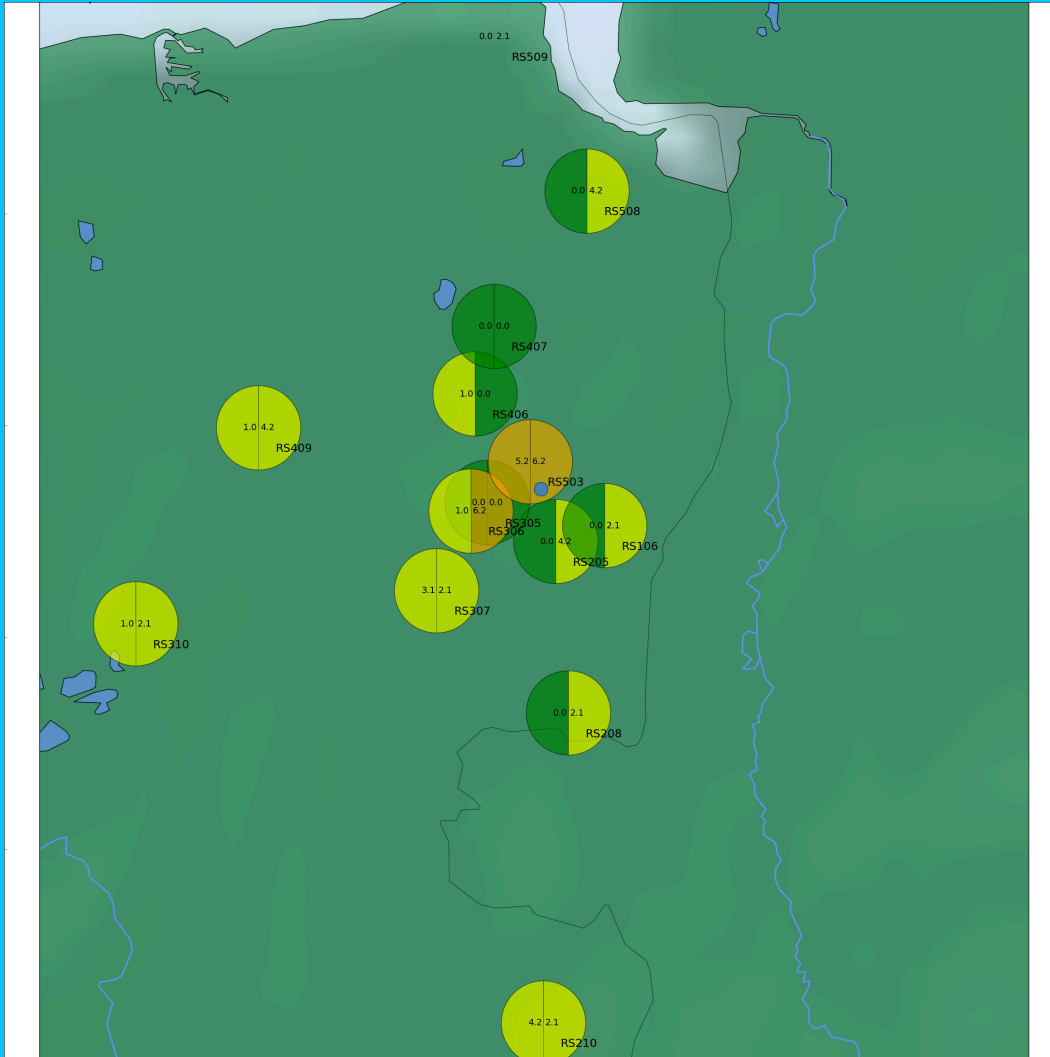


➤ Color coding for non-operational elements at the various stations

- 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



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.

- 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.

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

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														
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>