

## Programme:

1. The LOFAR Network reconfiguration - *J. D. Mol*
2. *Array status & Observatory update – S. ter Veen*
3. Lessons learned from LOFAR LBA: clock/TEC separation - *I. van Bemmel*
4. *AOB*

# Array Status

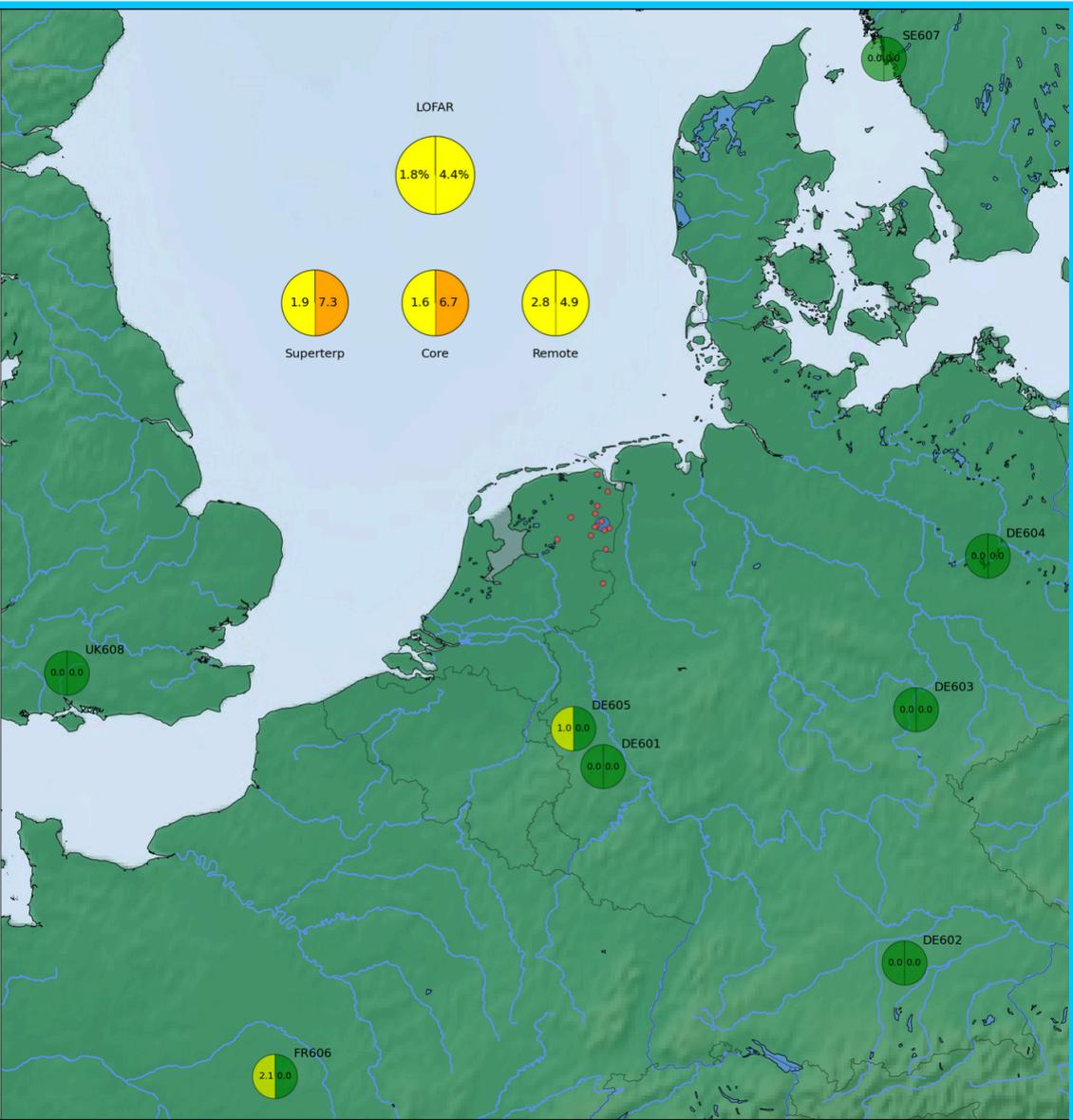


- TBB board broken on RS509
- Test new LCU in CS013, unavailable for observations until 20 June
- Station maintenance is ongoing
- Network reconfiguration completed (see next talk)

# Overview, including IS

LBA: 2.0%; HBA: 3.9%

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



- Color coding of non-operational components per stations:
  - all operational
  - <5% non-operational
  - <15% non-operational
  - >15% non-operational

# Superterp

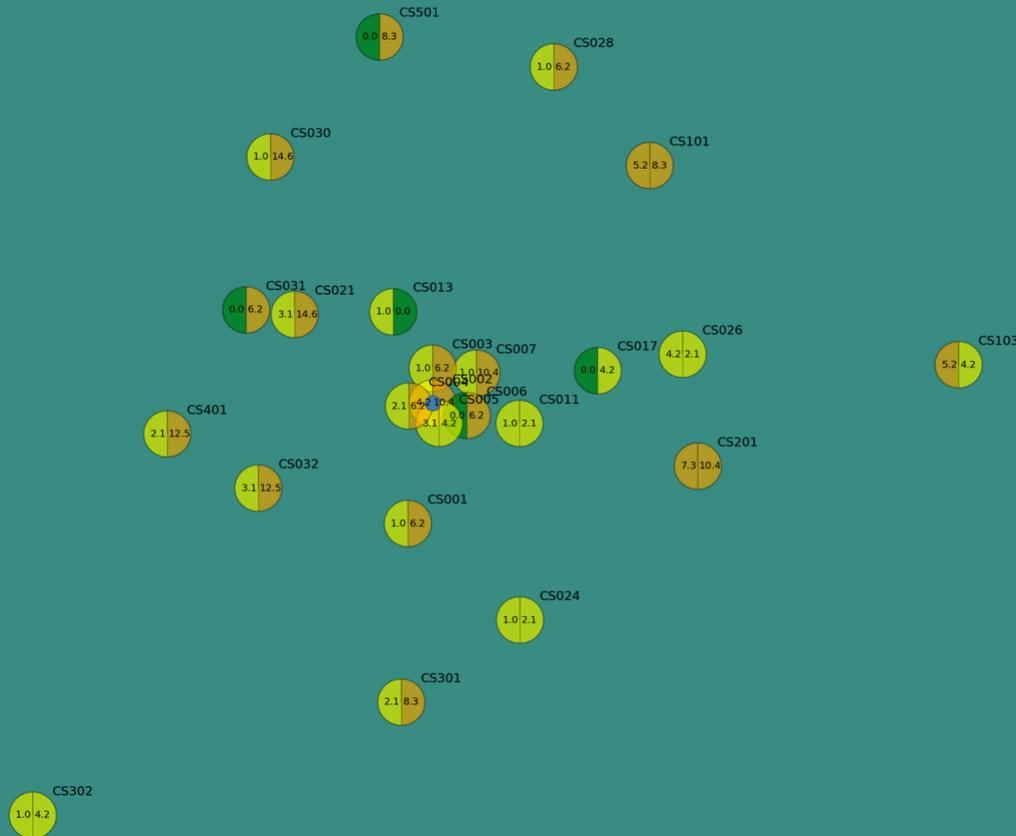
LBA: 1.9%; HBA: 6.9%



- Color coding of non-operational components per stations:
- all operational
  - <5% non-operational
  - <15% non-operational
  - >15% non-operational

# Core Stations

LBA: 2.1%; HBA: 5.8%

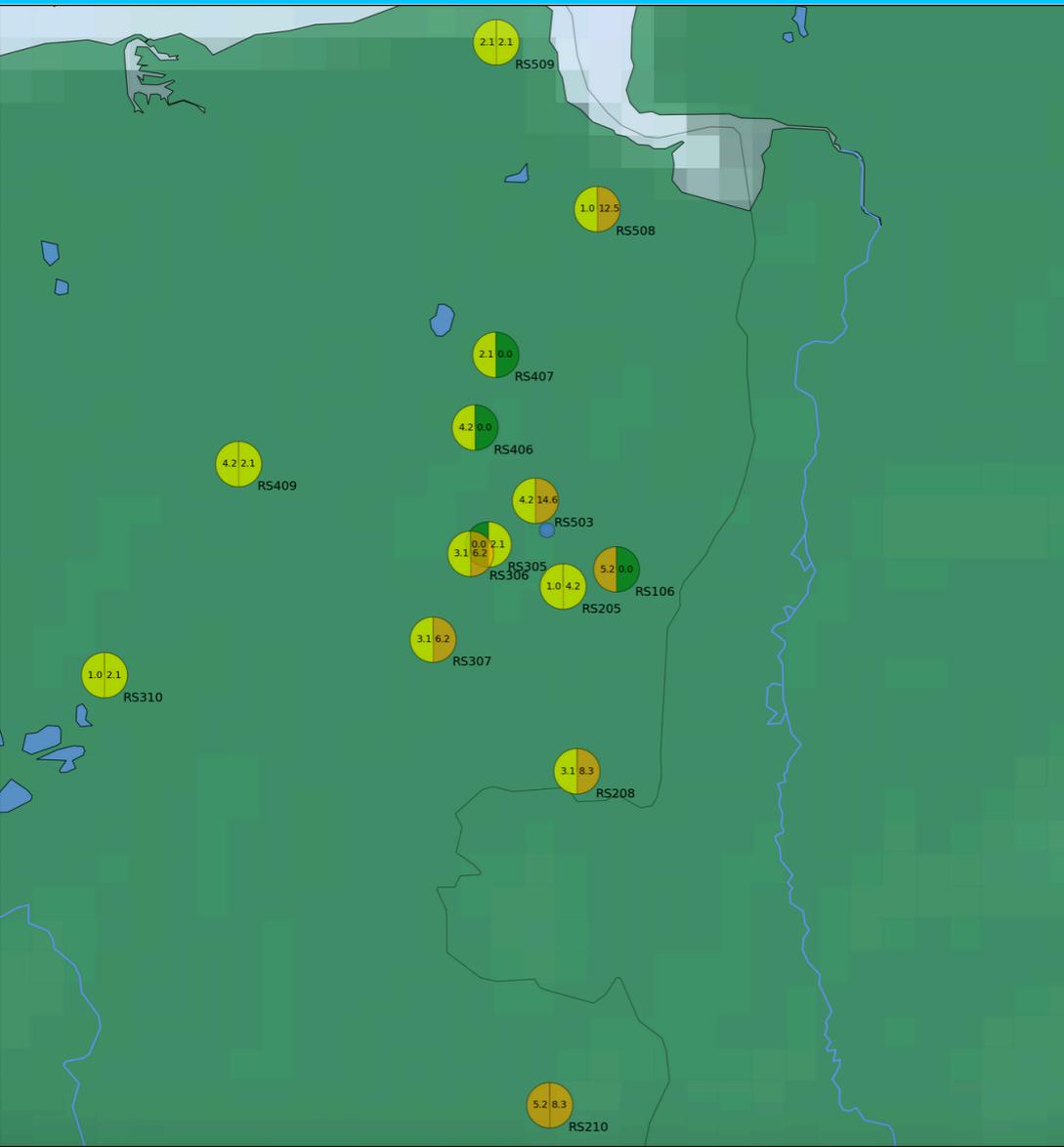


➤ Color coding of non-operational components per stations:

- all operational
- <5% non-operational
- <15% non-operational
- >15% non-operational

# Remote Stations

LBA: 2.8%; HBA: 4.5%



- Color coding of non-operational components per stations:
- all operational
  - <5% non-operational
  - <15% non-operational
  - >15% non-operational

# News regarding the observing system



- Cycle 4 observations have resumed after the network reconfiguration
- New procedure to test the system after a software roll-out / stopday performed
- Some initial problems with the transition, but system is running fine now
- Despite changes to the cabinet, still a problem with overheating stations on extremely warm days.

- Station calibration status:

Overview available at:

<http://www.astron.nl/radio-observatory/astronomers/current-status>

- Calibration will be performed after maintenance
- New calibration methods under investigation
- A network cable for the core clock has been replaced causing an extra delay. Core still coherent.
- A first correction of 19 ns has been applied to the calibration tables. Measurements ongoing to determine the value.

- Reported on concerns from last users meeting
- Input from KSPs will be discussed with the RO
- Reports can be expected during the forthcoming LSMs and PI meetings and in the lofar newsletters
- Subscribe to lofar-news and LSM mailing list
  - LOFAR news letters also online at <http://www.astron.nl/radio-observatory/lofar-newsletters/lofar-newsletters>
- Other problems, please e-mail [sciencesupport@astron.nl](mailto:sciencesupport@astron.nl)
- Looking back on an interesting science meeting

# News regarding Cycle4 observations



June	10	Wed	LC4_031 - 2MASS - 8hrs HBA	TBB + test runs			LC4_026 - 0224+671 - 4hrs HBA - CEP3				LC4_005 - J0407 - 30mins HBA	System tests			LC4_027 - 1420+1205 - 4hrs HBA - CEP3			TBB + test runs			LC4_015 - NGC3631 - 3hrs HBA					
	11	Thu	TBB + test runs			LC4_027 - 2220+0025 - 4hrs HBA - CEP3				LC4_030 - LOTAAS - 3hrs HBA		System tests				LC4_034 - P214+35 - 8hrs HBA										
	12	Fri	LC4_011 - G54.1 - 2hrs HBA - CEP3	TBB + test runs			LC4_030 - LOTAAS - 3hrs HBA	TBB + test runs		System tests; all international stations switched to local mode at 9 UT				LC4_005 - B0531 - 20mins HBA	System tests			TBB + test runs			LC4_008 - ELAIS - 8hrs HBA					
	13	Sat	LC4_008 - ELAIS - 8hrs HBA			TBB + test runs		LC4_030 - LOTAAS - 3hrs HBA	TBB + test runs		LC4_030 - LOTAAS - 3hrs HBA	TBB + test runs		LC4_005 - B0531 - 20mins HBA	TBB + test runs						LC4_031 - 2MASS - 4hrs HBA					
	14	Sun	LC4_031 - 2MASS - 4hrs HBA	LC4_004 - Exploratory MSPs HBA				TBB + test runs				LC4_005 - B0531 - 20mins HBA	TBB + test runs						LC4_008 - ELAIS - 8hrs HBA							
Week 25		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			18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	15	Mon	LC4_008 - ELAIS - 8hrs HBA			TBB + test runs						LC4_005 - B0531 - 20mins HBA							LC4_027 - 1510+5702 - 4hrs HBA - CEP3							
	16	Tue	STATIONTEST	LC4_030 - LOTAAS - 3hrs HBA			LC4_030 - LOTAAS - 3hrs HBA	LC4_030 - LOTAAS - 3hrs HBA				LC4_005 - B0531 - 20mins HBA	LC4_034 - P148+45 - 8hrs HBA						LC4_012 - HD156279 - 6hrs LBA CEP3							
	17	Wed	LC4_012 - HD156279 - 6hrs LBA CEP3									LC4_005 - J0407 - 30mins HBA	LC4_005 - B0531 - 20mins HBA	LC4_026 - 0836+710 - 4hrs HBA - CEP3									LC4_008 - ELAIS - 7hrs HBA			

- Cycle 4 observing programme: Started. Detailed Cycle 4 schedule available here:
- <https://docs.google.com/spreadsheets/d/14JsJfKfXsRk1vzYzaFhZH3jTeFbFht5GyuF3NyI3Qdw/pubhtml>
- Changes can be applied on daily base: in case of questions/issues contact Science Support
- **\*\*Always cc sciencesupport@astron.nl and include the proposal code in the subject line\*\***<sub>10</sub>

## ➤ CEP2

- Disk space situation always concerning (especially after weekends).

## ➤ CEP3

- CEP3 info and users schedule available at:

<http://www.lofar.org/operations/doku.php?id=cep3:start>

- Reservations lost after network reconfiguration. If there is still a problem, please contact science support
- New policy regulating access to CEP3 and data handling available at:  
<http://www.astron.nl/radio-observatory/observing-capabilities/depth-technical-information/cycle-1-observing-and-processin>
- Many requests of extensions to access CEP3: monitoring of node usage during allocated time is ongoing. The evaluation of future requests will be based on such statistics.

# Calendar LOFAR activities:

- Next LSM : 24 June (contributions welcome)
- Cycle 5 proposal call : Beginning of July
- Cycle 5 proposal deadline : Beginning of September

- LOFAR news email list:

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