

## Programme:

- 1. Array status & Observatory update – M. Iacobelli*
- 2. LOFAR Cycle 3 proposals – R. Pizzo*
- 3. LTA status update - A. Renting*
- 4. Update from Imaging Busy Week 21 - G. Heald*

# Array Status

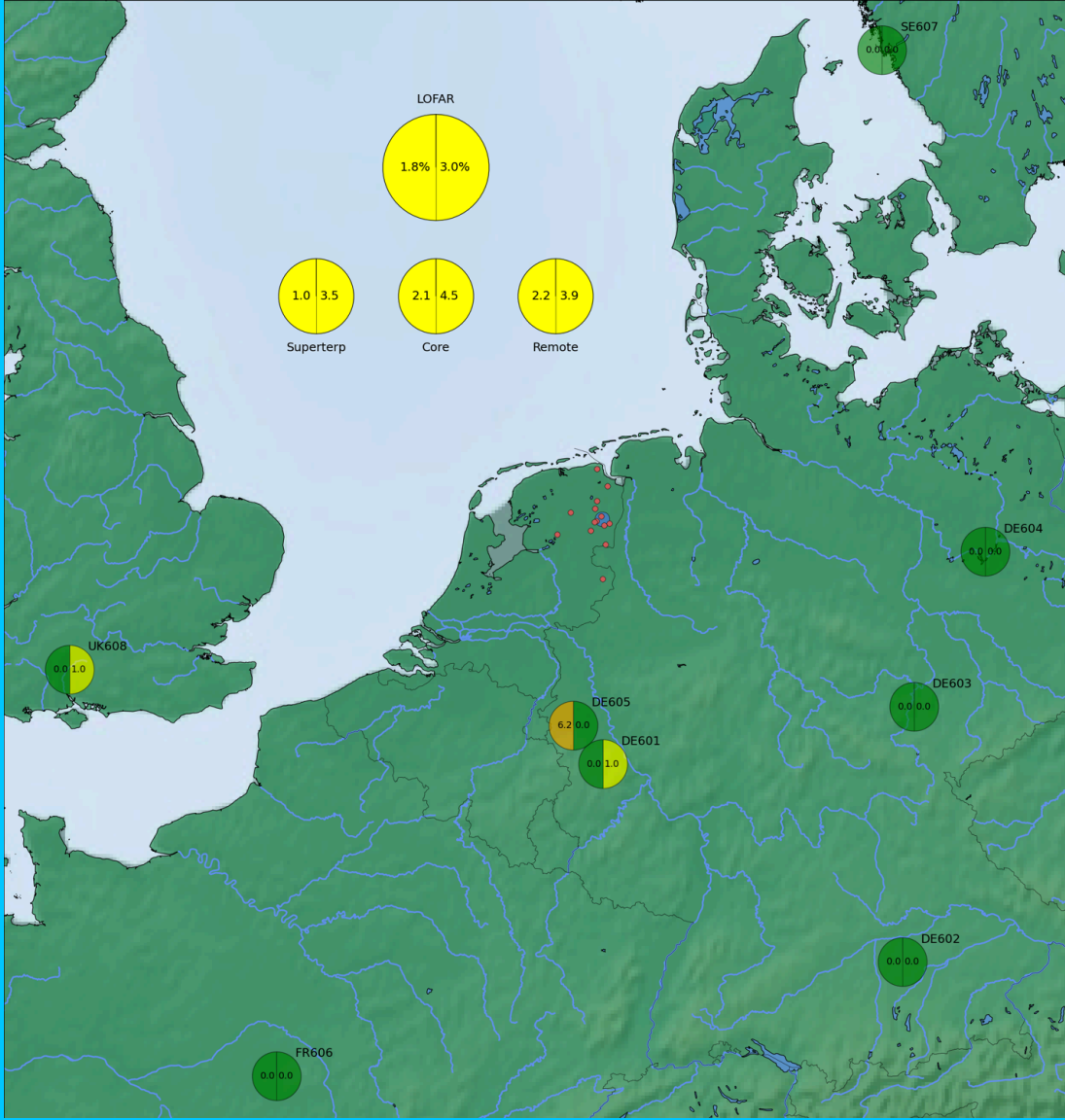


- 38 operational NL stations
  - 24 CSs
  - 14 RSs
- 8 Is
- Maintenance/Repair ongoing on several stations.
- Hardware maintenance for DE601 finished.
- Station calibration ongoing:
  - mode1 tables for core and remote stations installed
  - mode 5 tables in progress

# Overview, including IS

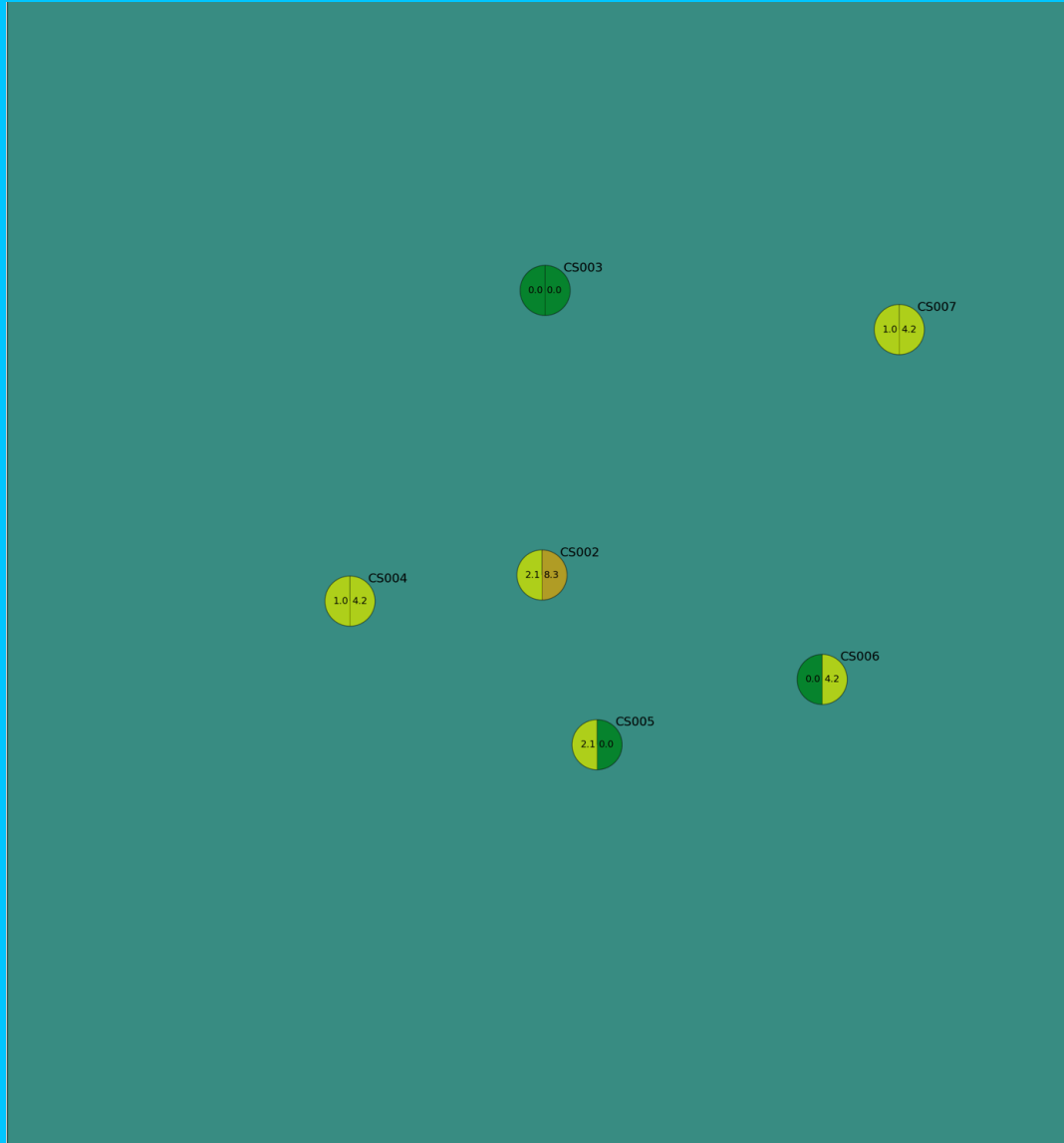
LBA: 1.8%; HBA: 3.0%

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



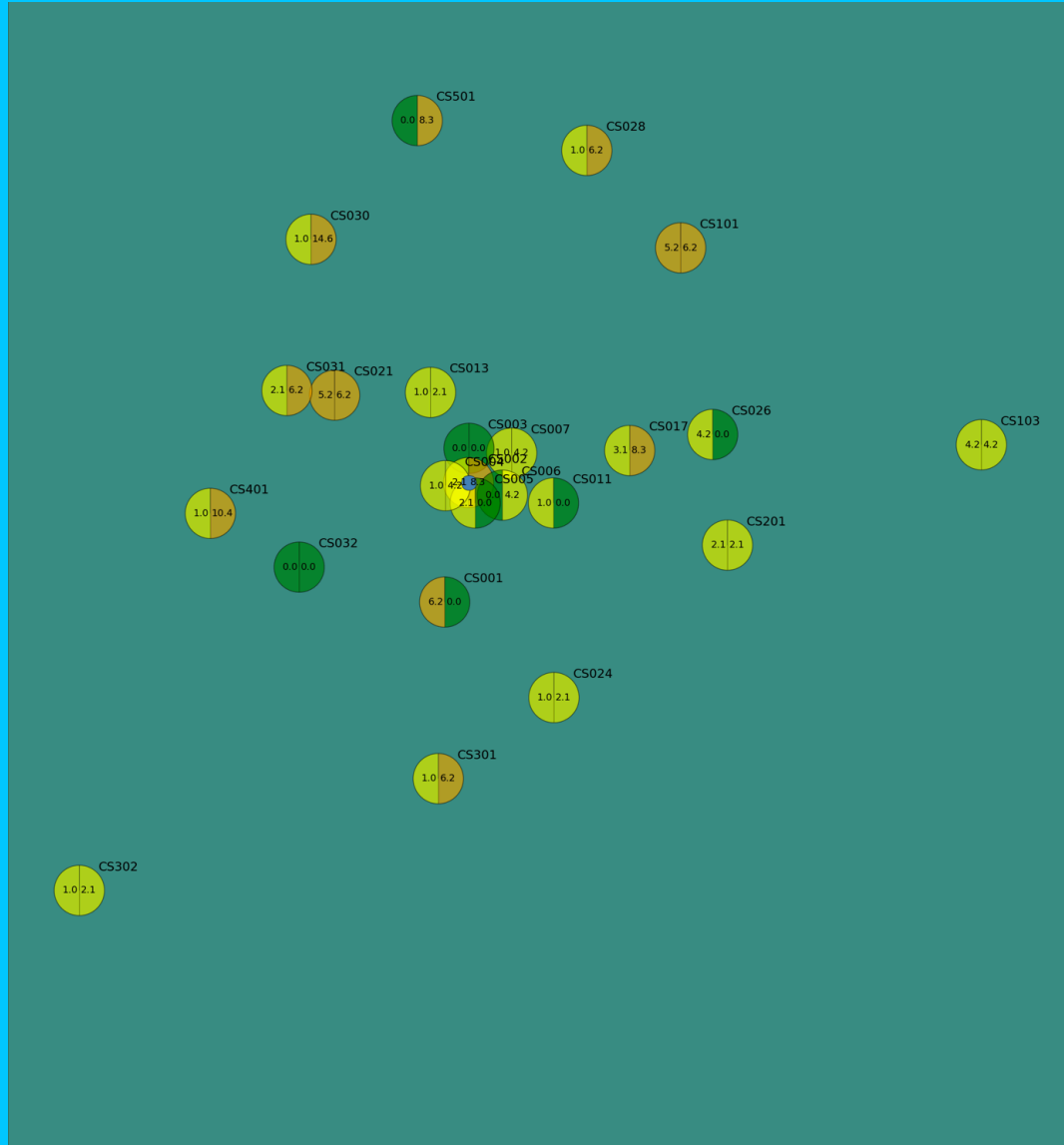
# Superterp

LBA: 1.0%; HBA: 3.5%



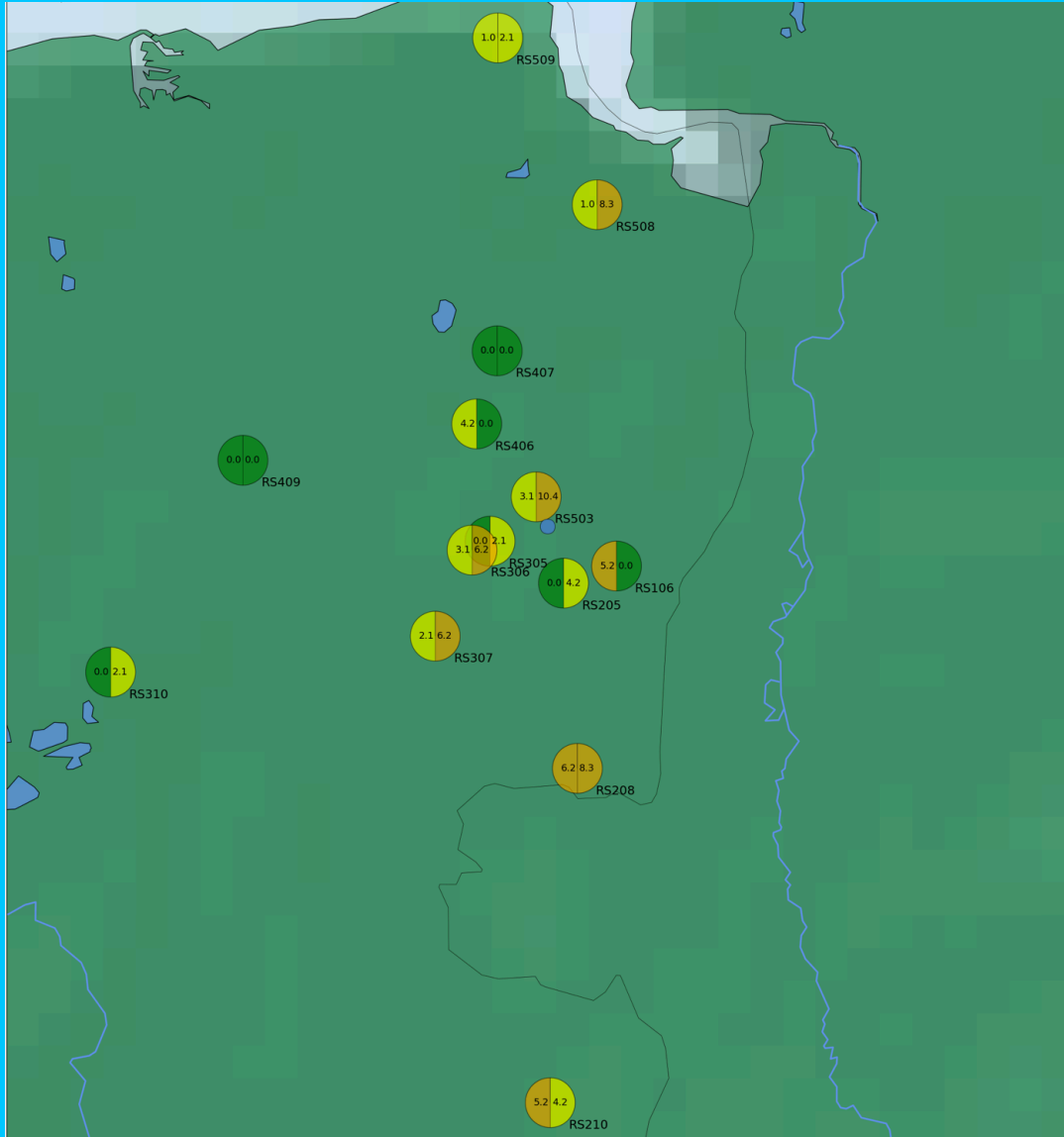
# Core Stations

LBA: 2.1%; HBA: 4.5%



# Remote Stations

LBA: 2.2%; HBA: 3.9%



- System performed relatively fine during the last month– COBALT being used for correlator and BF mode successfully.
- Due to a SAS/MAC problem (redmine#6192), sometimes observations do not start. This is due to the feedback data flow from Cobalt to CCU/PVSS. PVSS still disabled and a long term solution is to be implemented.
- Pipelines: no long processing queue but processing had some delays due to the currently avoided scheduling in parallel:
  - hanging locus nodes/swapping due to NDPPP high memory usage: a memory limitation during the flagging step is now set up to 10 GB (instead of 35 GB). Monitoring is ongoing by Ger van Diepen & Tammo Jan Dijkema.
  - HBA pipeline runs with demixing of 2 sources display P/O>6, i.e. a factor >2 higher than expected. Possible causes are: the system performance/stability, the solver algorithm itself. A dedicated working group is investigating the issue.
- LTA performance: some delays with the ingest of data (more info in Adriaan talk).



# News regarding Cycle2 observations

Week 38		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	Sup Sci on Duty	Softw. Eng. on Duty
Approximate LST		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
September	15	Mon	LT2_003 - LOTAAS	Stress system runs + TBB runs; all international stations (except DE604) switched to ILT mode at 9 UTC									LC2_038 - Bootes - 8hrs						Stress system runs + TBB runs	STATIONTEST	EO	PD						
	16	Tue	LC2_014 - B2 0258+35 - 8hrs LBA						Stress system runs + TBB runs						LC2_019 - EoR NCP						CT	WK						
	17	Wed	LC2_019 - EoR NCP				Stress system runs + TBB runs						Adriaan EoR disk test; run validation observations+pipel at the same time		Stress system runs + TBB runs		LC2_026 - RAs 18,19,21,23,00				EO	AdJ						
	18	Thu	LC2_026 - RAs 18,19,21,23,00	Stress system runs + TBB runs	LT2_003 - LOTAAS			Equipment replacement by ICT + AARTFAAC TEST (Superterp; stations back at 13 UTC)						Stress system runs + TBB runs		LC2_026 - RAs 18,19,21,23,00				MI	AR							
	19	Fri	LC2_026 - RAs 18,19,21,23,00	Stress system runs + TBB runs				Adriaan test network; all international stations (except DE604) switched to local mode at 9 UTC		Stress system runs + TBB runs										MI	AS							
	20	Sat	Stress system runs + TBB runs											LC2_010 repeats											JS (RP)			
	21	Sun	LC2_010 repeats											Stress system runs + TBB runs											JS (RP)			
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	Sup Sci on Duty	Softw. Eng. on Duty
Approximate LST		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
	22	Mon	Stress system runs + TBB runs						LT2_003 - LOTAAS			LC2_015 - Zenith Strip - 24hrs											EO	JDM				
	23	Tue	LC2_015 - Zenith Strip - 24hrs																						CT	JRP		
	24	Wed												Additional stop day - reboot COBALT systems											EO	AR		

- Detailed Cycle 2 schedule available here:
- <https://docs.google.com/spreadsheets/pub?key=0AtnmDczhIbEtdF9TT3RnX0xOSEZ1TWtOaWdILUVIVXc&output=html>
- 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\*\*** 8



## ➤ CEP2

- Critical situation for disk space. In particular, large bunch of pulsar data. Removal of pulsar data is ongoing in cooperation with the pulsar working group.

## ➤ CEP3

- Beta-testers access the system this week.
- 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>*

## ➤ CEP1 users:

- **BACK UP YOUR DATA FROM CEP1 (i.e. Ice, staging areas) ELSEWHERE OR GET IN TOUCH WITH SCIENCE SUPPORT AT [sciencesupport@astron.nl](mailto:sciencesupport@astron.nl) IF YOU WOULD LIKE TO REQUEST TRANSFER OF DATA TO CEP3 AND HAVE NOT YET DONE SO.**

# Calendar LOFAR activities:

- Cycle 3 proposal submission deadline : 10 September, **12 UT**
- Additional Stop (half) day : 24 September 2014
- Next Stop day : 07 October 2014
- Next LSM : 01 October 2014
- LOFAR Data Analysis School : 17-21 November, 2014
- LOFAR news email list:  
<http://www.astron.nl/radio-observatory/subscribe-lofar-news/subscribe-lofar-news>