

Programme:

- 1. Array status & Observatory update – C. Toribio*
- 2. LTA status update – H. Holties*
- 3. Calibration of LOFAR data on the Cloud – J. Sabater*
- 4. The Dynamic Spectrum Toolkit – N. Vilchez*

Array Status

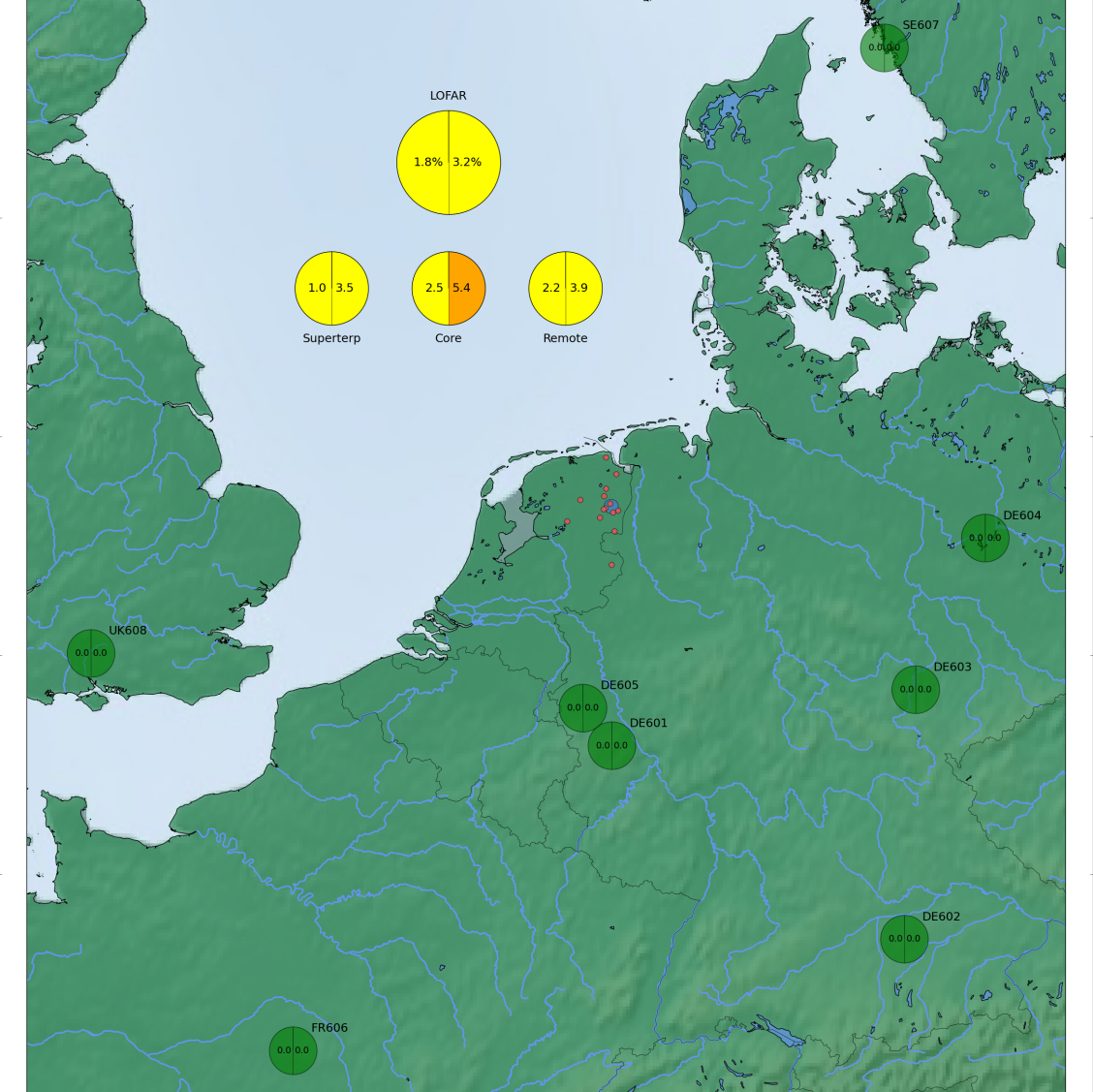


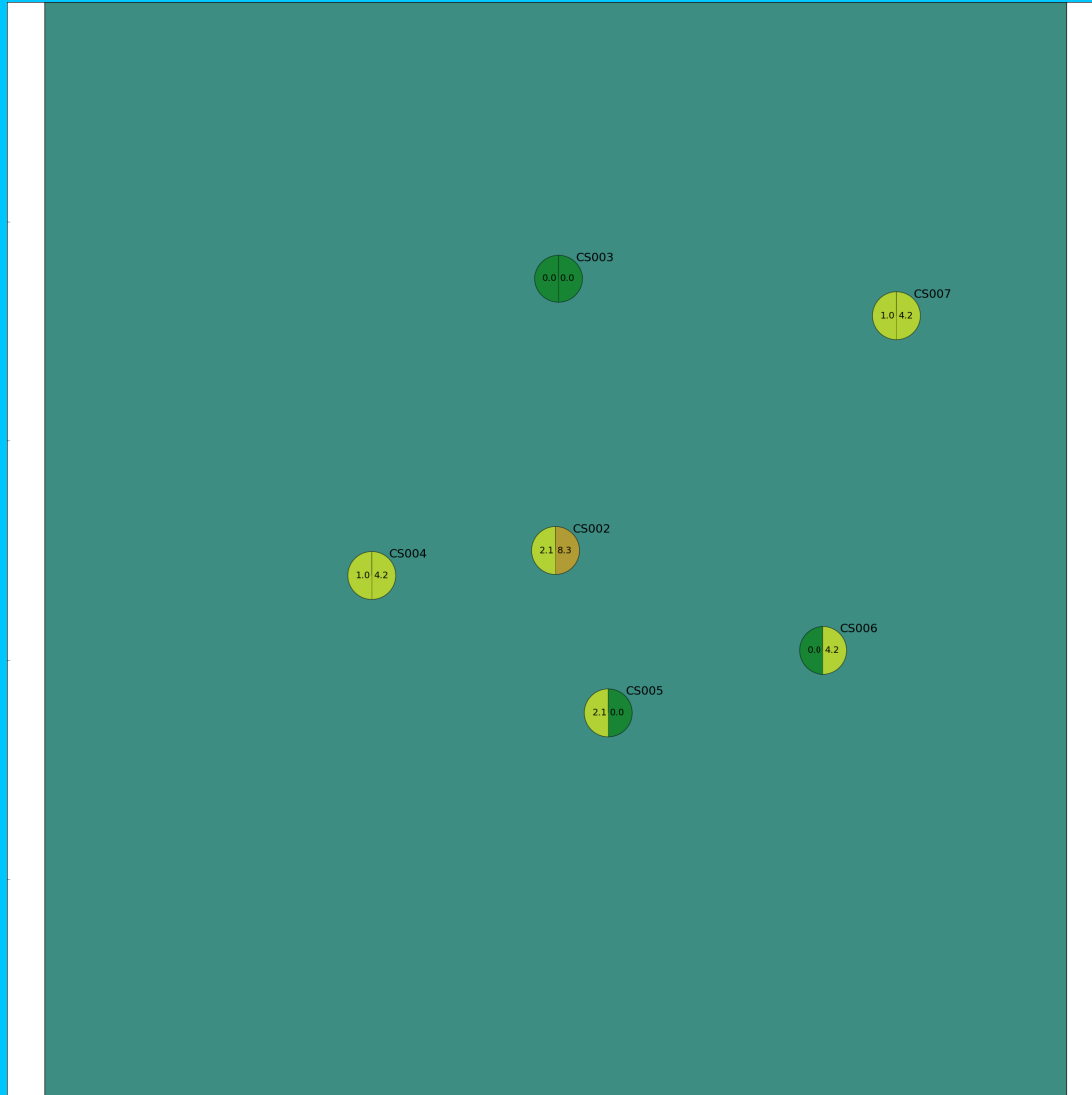
- 38 operational NL stations
 - 24 CSs
 - 14 RSs
- 8 Is
- Cleaning Dutch cabinets and replace air exchanger filters.
- Third (and last) round of mowing the fields for the winter
- CS003 broken SPU replaced.
- Placement of the LBA/HBA antennas in Hamburg.

Overview, including IS

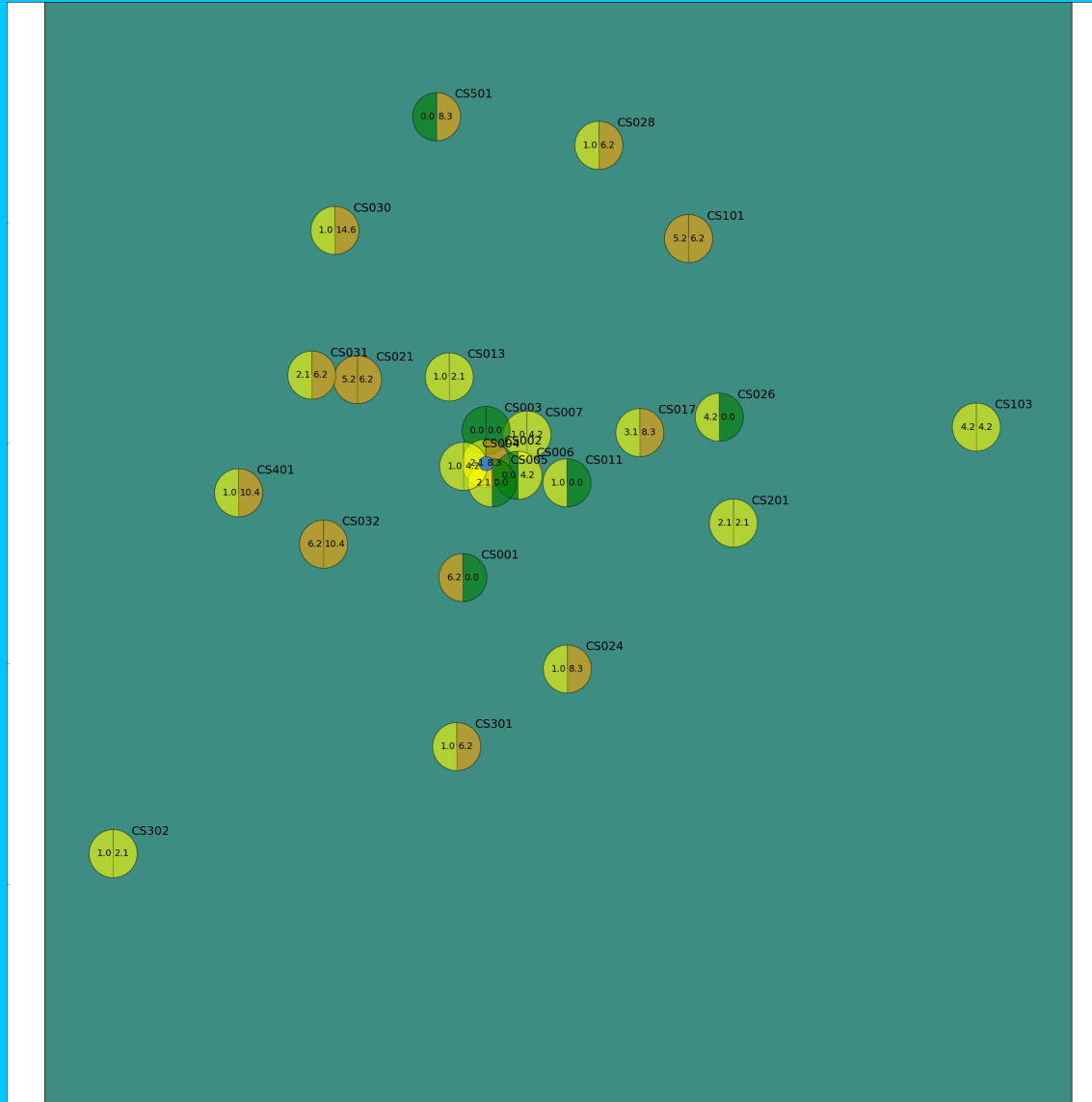
green: all operational --- yellow: <5% non-operational --- orange: <15% non-operational --- red: >15% non-operational

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

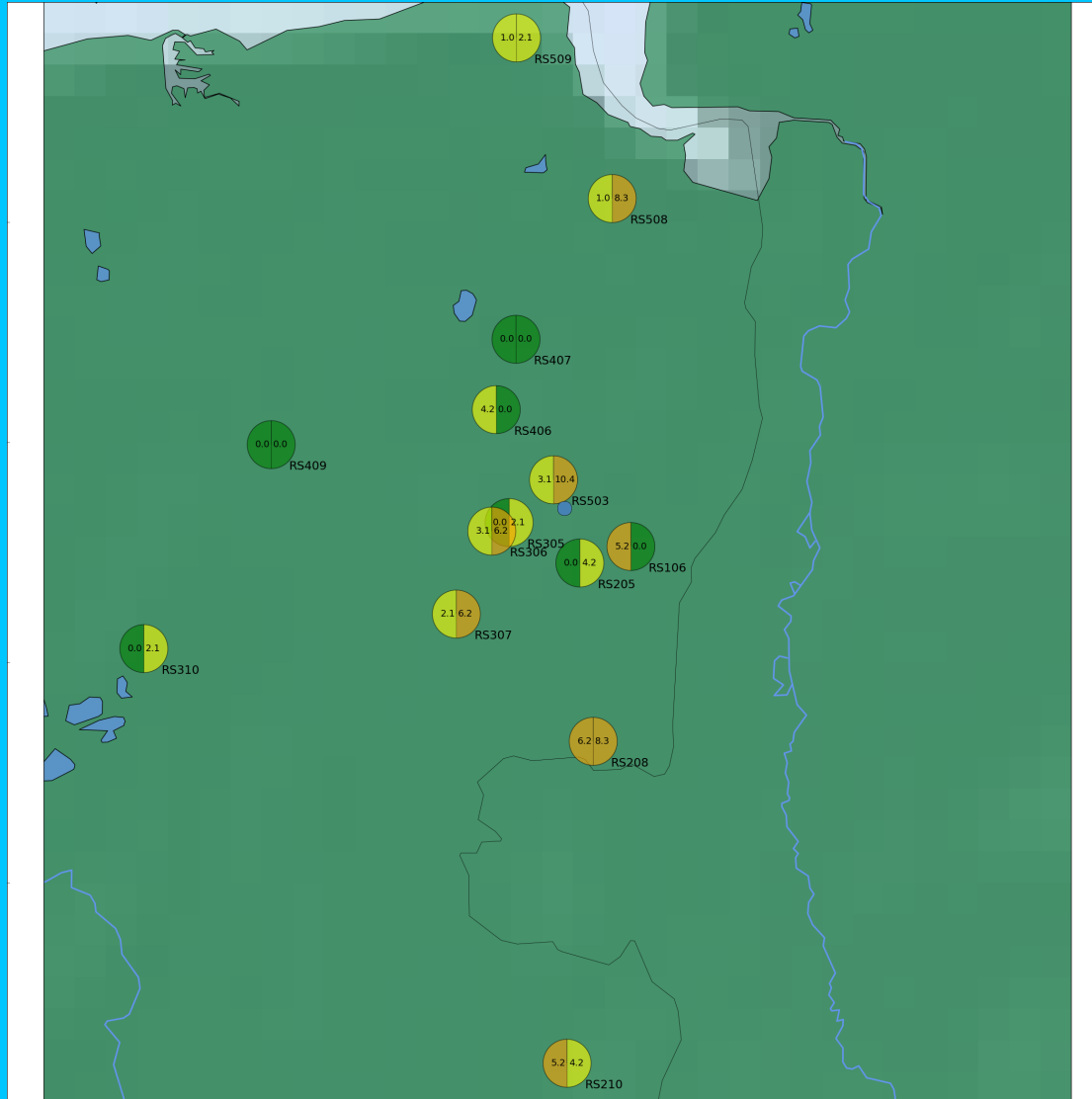




Core Stations



Remote Stations



- Over the last two weeks:
 - System performed generally good
 - Software roll out on Monday without major incidences.
 - No backlog of processing currently.
 - Investigation of NDPPP memory usage on-going. Memory limit imposed on processes in the meantime has meant that locus nodes are no longer hanging as a result.
- LOFAR pulsar archive ingested to the LTA on a regular basis.
- EoR observations performed: one failure due to wrong COBALT set up.
- DDT observations performed on Monday.
- One observation postponed (LC2_036) after the end of the cycle.
- LTA performance: see summary by H. Holties.

News regarding Cycle observations



Week 44		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		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1		
October	27 Mon	LT2_003 - LOTAAS			Stress system runs + TBB runs			LC2_018 - 55 Cnc	SOFTWARE ROLL OUT; all international stations switched to ILT mode at 9 UTC							Stress system runs + TBB runs		DDT2_003					Stress system runs + TBB runs				
	28 Tue	Stress system runs + TBB runs									CS002/004/006 tests by MN/WF				Stress system runs + TBB runs		LC2_019 - EoR NCP										
	29 Wed	LC2_019 - EoR NCP						Stress system runs + TBB runs			LC2_018 - 55 Cnc; DE603 switched to local mode at 9 UTC		Stress system runs + TBB runs			LC2_032 - LST 18	Stress system runs + TBB runs				LC2_032 - LST 22	STATIONTEST					
	30 Thu	LC2_032 - LSTs 2.7	Stress system runs + TBB runs		LC2_016 - 2MASS J0746+20 - 4hrs				Stress system runs + TBB runs	LC2_018 - 55 Cnc; FR606 switched to local mode at 9 UTC			Stress system runs + TBB runs					LC2_019 - EoR NCP									
	31 Fri	LC2_019 - EoR NCP						Stress system runs + TBB runs		LC2_018 - 55 Cnc; all international stations (except DE603 and FR606) switched to local mode at 9 UTC		Stress system runs + TBB runs					LC2_010 - Pulsar Timing					Stress system runs + TBB runs					
	1 Sat	Stress system runs + TBB runs	LC2_018 - 55 Cnc		Stress system runs + TBB runs										LC2_019 - EoR NCP												
	2 Sun	LC2_019 - EoR NCP						LC2_018 - 55 Cnc		Stress system runs + TBB runs								LC2_010 - Pulsar Timing									
Week 45		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		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2		
November	3 Mon	LC2_010 - Pulsar Timing																								LC2_017 - NGC891 - 9hrs	
	4 Tue	LC2_017 - NGC891 - 9hrs						LC2_018 - 55 Cnc		STOP DAY								LC2_019 - EoR NCP									
	5 Wed	LC2_019 - EoR NCP						LC2_018 - 55 Cnc					LT2_003 - LOTAAS			LC2_019 - EoR NCP											
	6 Thu	LC2_019 - EoR NCP						LC2_018 - 55 Cnc																			
	7 Fri	LC2_020 - 2MASS J0746+20 - 4hrs				LC2_026 - RAs 9-11				LT2_003 - LOTAAS				LC2_019 - EoR NCP													
	8 Sat	LC2_019 - EoR NCP										LC2_005 - A399 - 10hrs															
9 Sun	LC2_005 - A399 - 10hrs						LT2_003 - LOTAAS				LC2_019 - EoR NCP																

- Detailed Cycle 2 schedule available here:
- <https://docs.google.com/spreadsheet/pub?key=0AtnmDczhIbEtdF9TT3RnX0xOSEZ1TWtOaWdILUVIVXc&output=html>
- Contact Science Support in case of questions/issues
- ****Always cc 'sciencesupport@astron.nl' and include the proposal code in the subject line****

- CEP-2
 - No more hanging locus nodes.

- CEP-3
 - Beta-testers period extended until the end of October. First users expected to be granted access soon after.
 - 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>

- CEP-1 users:
 - **NO USERS ACCESS AFTER NOVEMBER 24TH**
 - **BACK UP YOUR DATA ELSEWHERE OR GET IN TOUCH WITH SCIENCE SUPPORT AT sciencesupport@astron.nl IF YOU WOULD LIKE TO REQUEST TRANSFER OF DATA TO CEP3 AND HAVE NOT YET DONE SO**

- PC meeting: 28-29 October
- PIs of proposals with granted time will be contacted ASAP.
- Start of LOFAR Cycle 3:

November 15th

- LOFAR Imaging Busy Week : 1 – 5 December, ASTRON
- Next Stop day : November 4th
- Next LSM : November 12th
- **LOFAR Cycle 3** : **November 15th**
- LOFAR Data Analysis School : 17-21 November 2014
- LOFAR news email list:
<http://www.astron.nl/radio-observatory/subscribe-lofar-news/subscribe-lofar-news>