

Programme:

- 1. Array status & Observatory update – M. Iacobelli*
- 2. COBALT update – M. Brentjens*
- 3. LTA status update - A. Renting*
- 4. CITT update – T.J. Dijkema*
- 5. Working towards deterministic scientific pipelines – G. Molenaar*

Array Status

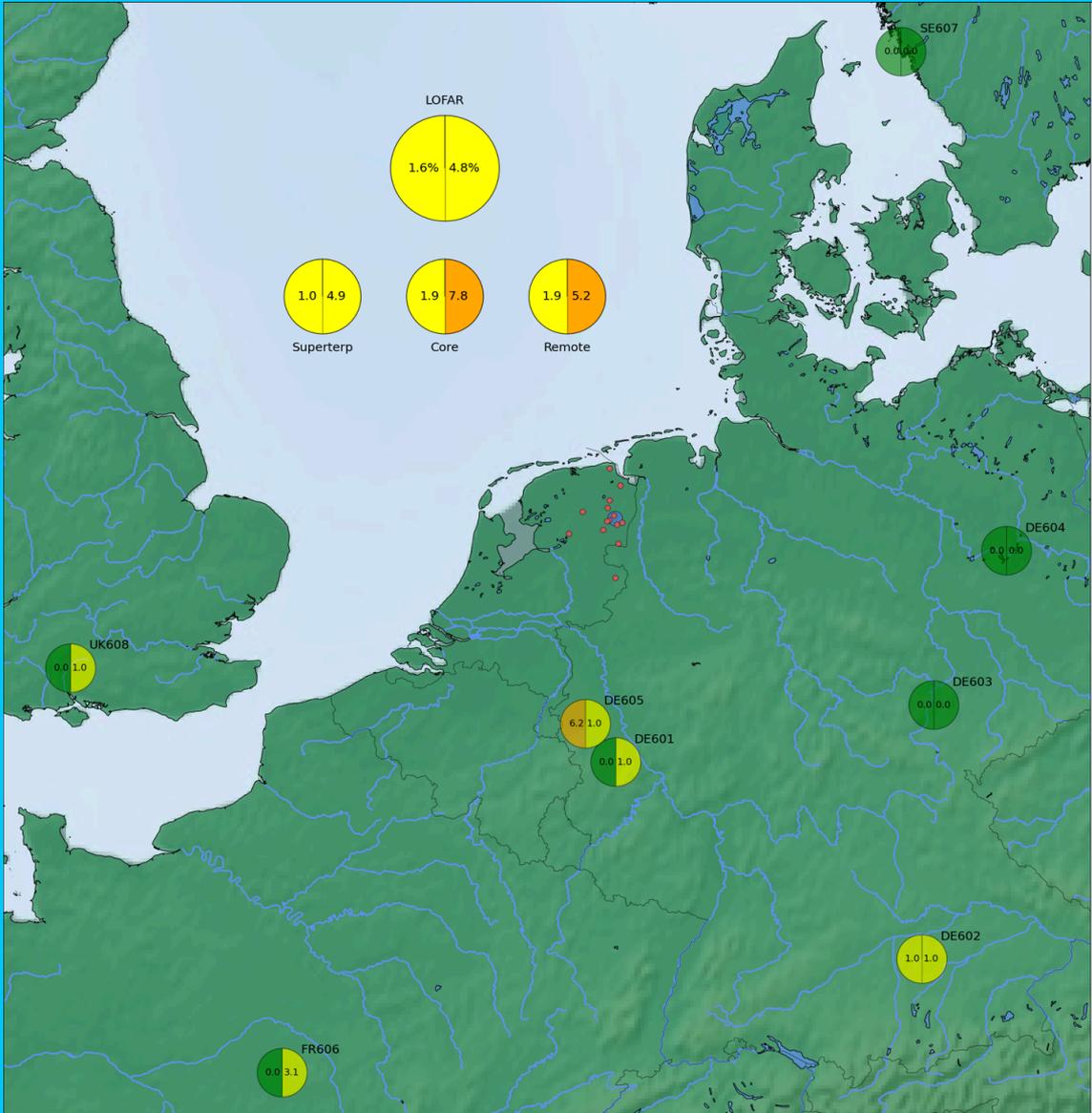


- 38 operational NL stations
 - 24 CSs
 - 14 RSs
- 8 Is
- Maintenance/Repair ongoing on several stations. Tiles/antennas repaired for stations: RS306, RS503, RS307, CS302, CS004, CS301, CS101
- Hardware maintenance for DE602, DE605 antennas and clock boards changed
- Stations performance affected by high temperatures in the cabinets; air-inlets and air-guides installed on CS007, CS028, CS101, RS307.

Overview, including IS

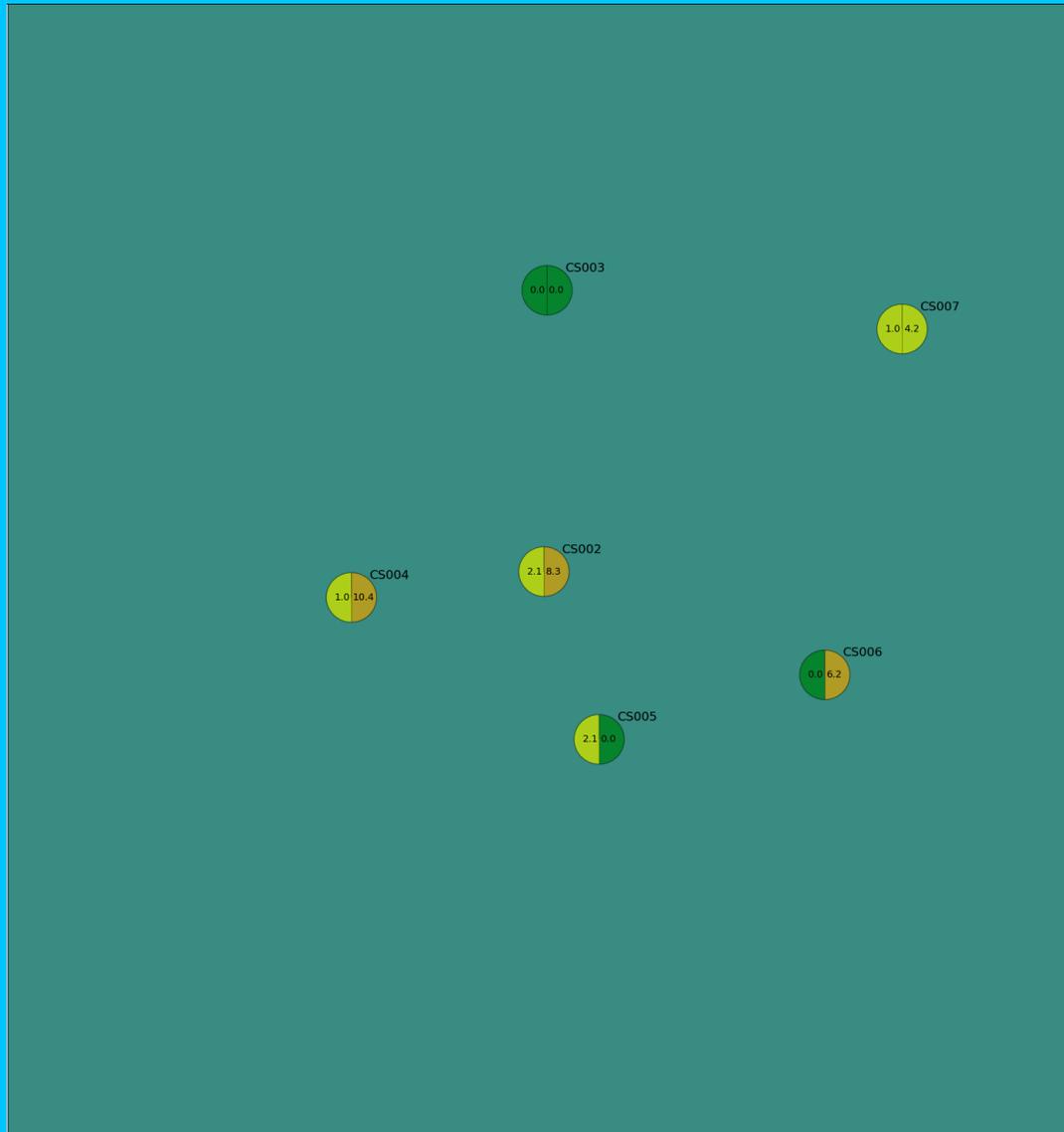
LBA: 1.6%; HBA: 4.8%

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



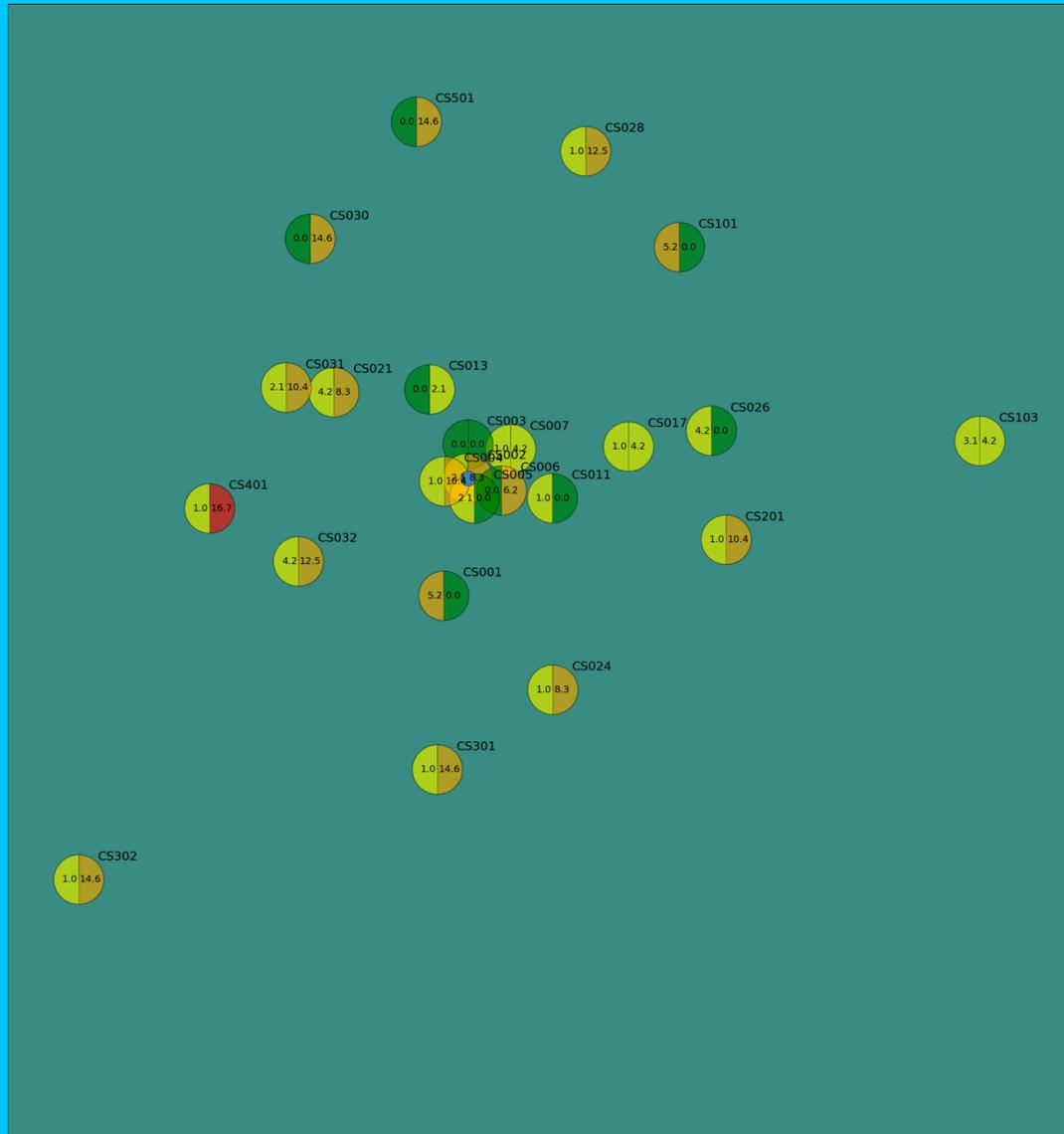
Superterp

LBA: 1.0%; HBA: 4.9%



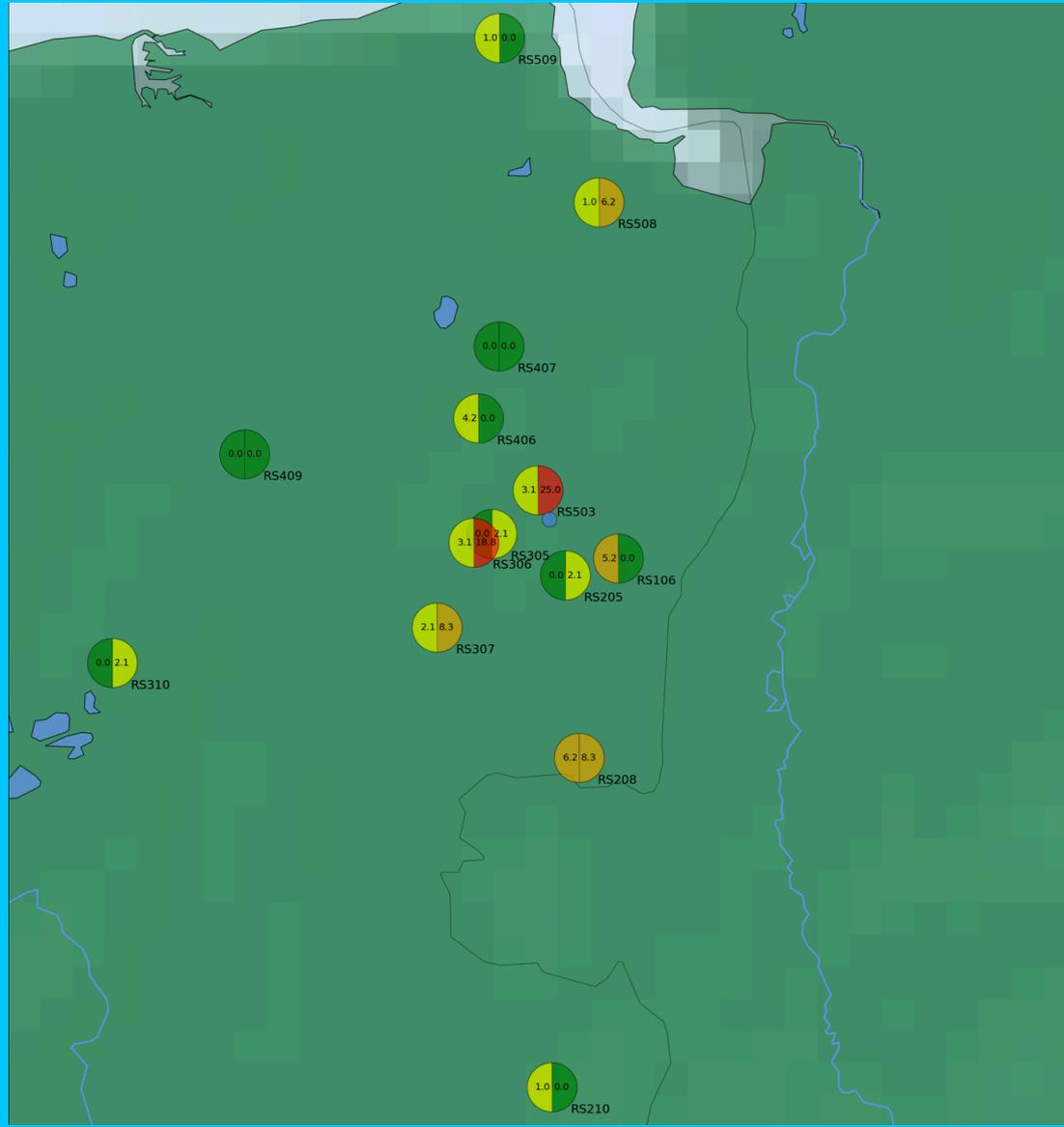
Core Stations

LBA: 1.9%; HBA: 7.8%



Remote Stations

LBA: 1.9%; HBA: 5.2%



- High rate of flagging with international stations now solved. Monitor is ongoing and a final report will appear at the end of the summer.
- Processing of observations with setup of 256 channels not supported by the current system and not characterized.
 - setup changes: contact science support
- Pipelines: no long processing queue but processing had some delays due to a few failures experienced during the past 2 weeks:
 - hanging locus nodes,
 - processes being swapped out to prevent memory issues.

News regarding Cycle2 observations

Week 28	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	Network					
Approximate LST		19	20	21	22	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18								
July	7 Mon	Stress system runs					LC2_007 - LSTs 0,4	Stress system runs	LC2_032 - LSTs 2,7	LC2_028 - Sun - 7hrs; all international stations (except DE604) switched to ILT mode at 9 UTC								LC2_038 - Bootes - 8hrs						RAF	JRP								
	8 Tue	Stress system runs + TBB runs		LC2_032 - LST 22	Stress system runs		STOP DAY										Stress system runs + TBB runs		LC2_032 - LST 16	LC2_036 - G33a - 4.25hrs		RAF or nobody	NV	LTA database maintenance BST (UT+1) and between public event at UK608. R stations at risk 0									
	9 Wed	LC2_036 - G33a - 4.25hrs			Stress system runs + TBB runs										LC2_038 - HEXDET21 - 8hrs						Stress system runs + TBB runs	MI	PD										
	10 Thu	Stress system runs + TBB runs; UK608 switched to local mode at 9 UTC												LC2_026 - RAs 09,10,11		Stress system runs + TBB runs		LC2_015 - NCP - 5hrs			MI	WK											
	11 Fri	LC2_015 - NCP - 5hrs			STATIONTEST					Stress system runs + TBB runs; all international stations (except DE604 and UK608) switched to local mode at 9 UTC								LC2_010 - Pulsar Timing						MI	AR								
	12 Sat	LC2_010 - Pulsar Timing												Stress system runs			LC2_00 - LSTs 15-19	LC2_036 - G33a - 4.25hrs			GK (RAF)												
	13 Sun	LC2_036 - G33a - 4.25hrs			TBB	LC2_007 - LSTs 21,23	Stress system runs + TBB runs			LC2_007 - LSTs 0,2,4,5	Stress system runs + TBB runs			LC2_007 - LSTs 6,7,9,11	Stress system runs + TBB runs						LC2_010 - Pulsar Timing		GK (RAF)										
Week 29	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	Network					
Approximate LST		19	20	21	22	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18								
July	14 Mon	LC2_010 - Pulsar Timing; LC2_007 - RAs 19,21					Stress system runs + TBB runs; all international stations (except DE604) switched to ILT mode at 9 UTC										LC2_038 - HEXDET10 - 8hrs - repeat						Stress system runs	LC2_026 - RAs 18,19,21,2	RAF	AdJ							
	15 Tue	LC2_026 - RAs 18,19,21,23,00							Stress system runs + TBB runs																RAF	AS (...)							
	16 Wed	LC2_026 - RAs 18,19,21,23,00																	LC2_015 - Zenith Strip - 24hrs												CT	JDM (...)	
	17 Thu	LC2_015 - Zenith Strip - 24hrs; UK608 switched to local mode at 9 UTC												STATIONTEST				LC2_038 - Bootes - 8hrs												MI	JRP		
	18 Fri	LC2_030 - NGC7618 - 10hrs; all international stations (except DE604 and UK608) switched to local mode at 9 UTC										Stress system runs + TBB runs						LC2_036 - G33b - 4.25hrs						MI	NV								
19 Sat	LC2_036 - G33b - 4.25hrs			Stress system runs + TBB runs			LT2_003 - LOTAAS										LC2_037 - WISE1506 - 8.5hrs						RB (CT)										

- Detailed Cycle 2 schedule available here:
- <https://docs.google.com/spreadsheets/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** 8

News regarding the observing system : Archive



- Some delays with the ingest of data towards Julich: investigations ongoing
- Issues with the download of data from the LTA:
 - Investigations pointed out an error in the configuration files (more details in Adrian's talk): now solved.

- CEP2
 - Several locus nodes hanging.

- CEP-3
 - Delays in the commissioning of the new cluster. **Testing of software and login environment is ongoing. Since the next LSM will be after the summer break any update will be provided by email.**

- CEP 1 users:
 - **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**

- 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-processing>*

- Next LSM : 20 August 2014
- Next Stop day : 05 August 2014
- Cycle 3 proposal submission deadline : **Wednesday** 10 September, **12 UT**
- LOFAR Data Processing School : 17-21 November