

Programme:

- 1. Array status & Observatory update – M. Iacobelli*
- 2. LOFAR observations of the partial solar eclipse on 20 March 2015 - M. Brentjens*
- 3. LTA status update - A. Renting*
- 4. MSSS status update - G. Heald*
- 5. A LOFAR view of the radio relic B2 0924+30 - A. Shulevski*

Array Status

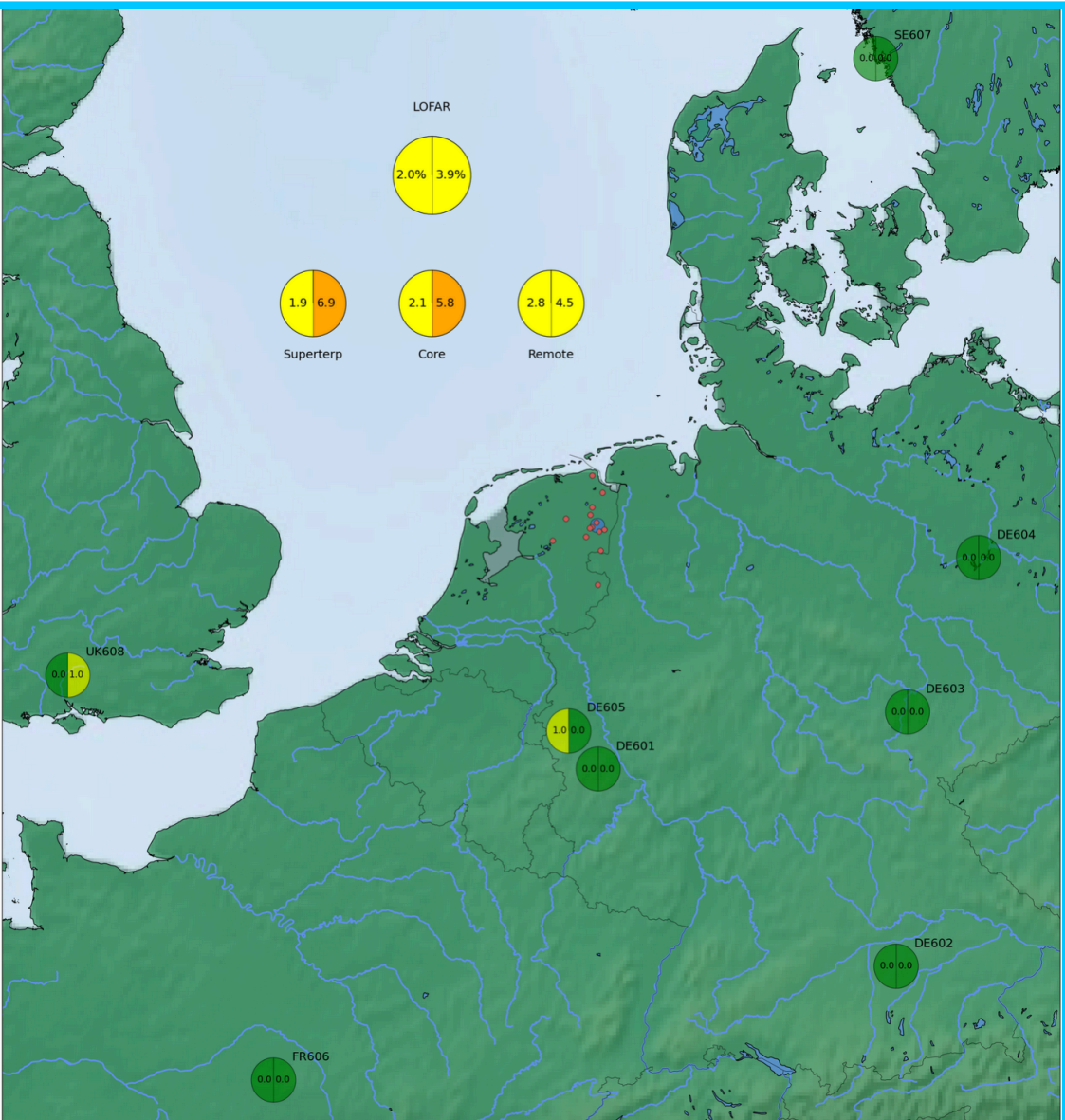


- 38 operational NL stations
 - 24 CSs
 - 14 RSs
- 9 Is (3 new stations to come)
- Maintenance/Repair ongoing on several stations:
 - CS004 network issues. Solved by reseal optical fiber module at CEP.
 - CS028,CS301 connection problems.
 - DE604 RSP6 replaced, problems solved.
- DE609 RFI "Task Force": problems with 3 sources (Electric Fence, 120 deg azimuth continues RFI broadband source, Strong DAB in HBA).

Overview, including IS

LBA: 2.0%; HBA: 3.9%

see 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%

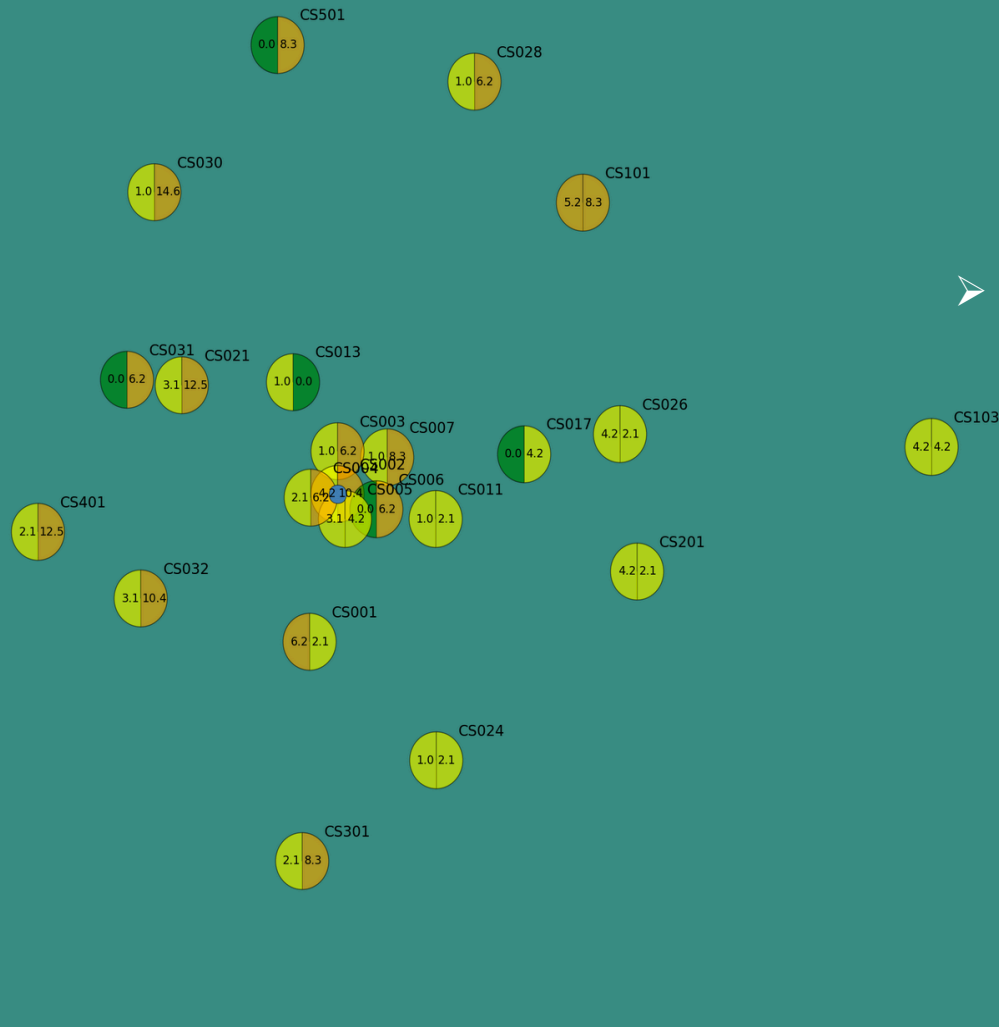


➤ Color coding of non-operational components per stations:

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

Core Stations

LBA: 2.1%; HBA: 5.8%

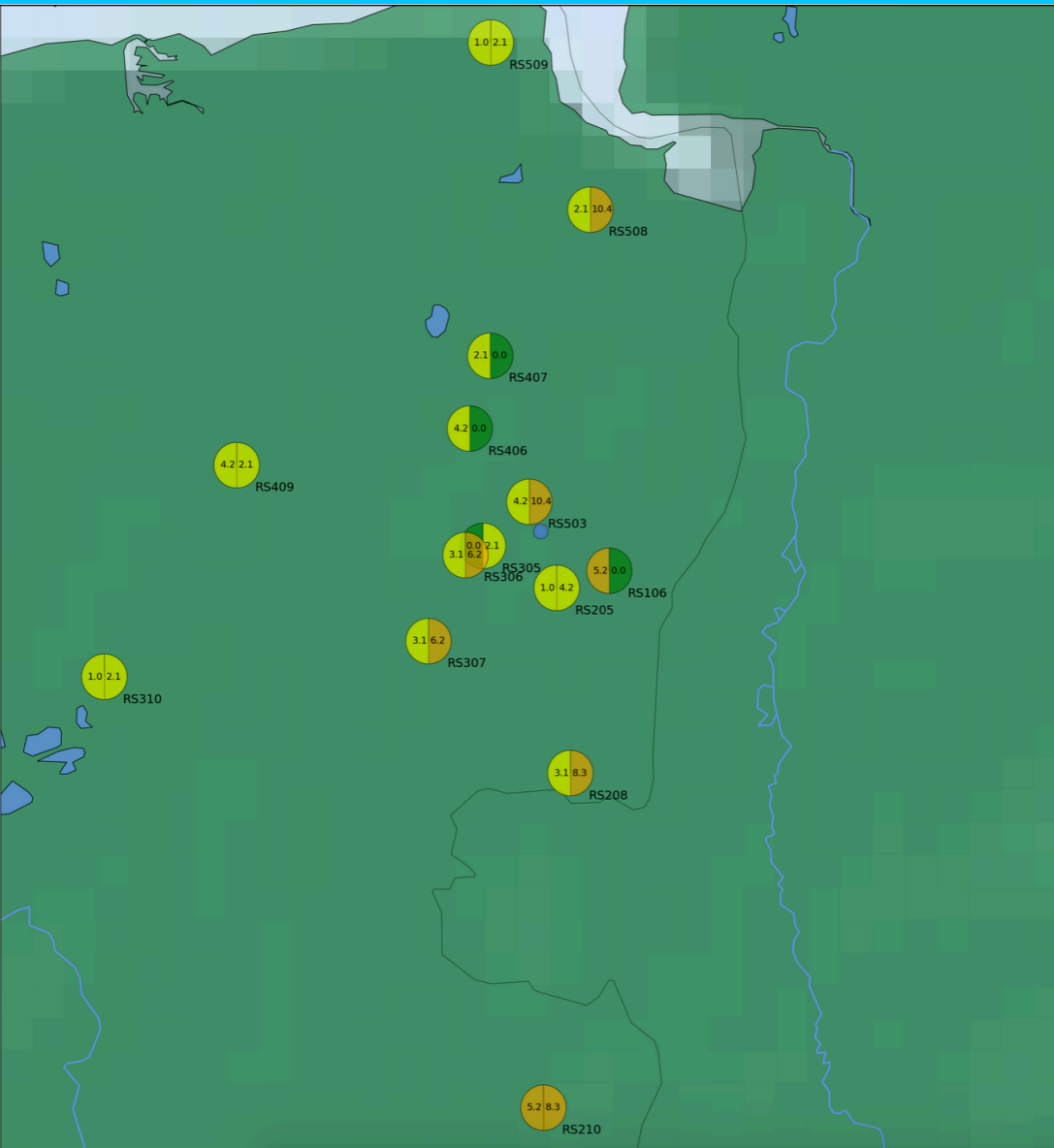


➤ Color coding of non-operational components per stations:

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- <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

- System performed relatively fine during the last 2 weeks.
 - Pipelines: currently a processing queue (LOBOS).
 - Data loss due to locus084 crash
 - No hanging locus nodes/swapping, only network issues.

- Station calibration status:
 - mode 7 tables were updated in February.
 - mode 5 new data for all stations: processing ongoing.
 - mode 3 new data collection requires 24hr: challenging to fit in the telescope schedule, so new data will likely be collected at the end of Cycle3.

Overview available at:

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

- LTA performance: minor delays with the ingest of data to SARA / Juelich.

News regarding Cycle3 observations

Week 14		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	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	9	10	11	12
April	30	Mon	LC3_008 - P83 - 9hrs	ioS/TBB runs		LC3_014 - LOTAAS	System tests; all international stations switched to ILT mode at 9 UT							LC3_035 - J0030+0451	System tests			ioS/TBB runs		Commissioning2015: De Gasperin (VirA)						
	31	Tue	Commissioning2015: De Gasperin (VirA)				Station test		System tests		LC3_014 - LOTAAS	LC2_025 RR5	LC3_035 - J0030+0451	System tests			ioS/TBB runs		LC3_008 - Lockman Hole/ P86 - 9hrs							
	1	Wed	LC3_008 - Lockman Hole/ P86 - 9hrs		ioS/TBB runs		LC3_024 - G065.3+5.7 - 3hrs			LC3_024 - G063.7+1.1 - 3hrs			System tests		LC3_035 - J0030+0451	System tests				LC3_028 - EoR 3C196			LC3_003 - run2 - 80 min			
	2	Thu	LC3_003 - 80 min	ioS/TBB runs					System tests				LC2_025 RR4	LC3_035 - J0030+0451	System tests		LC3_014 - LOTAAS		ioS/TBB runs		LC3_008 - P86 - 9hrs					
	3	Fri	LC3_008 - P86 - 9hrs		ioS/TBB runs			System tests; all international stations switched to local mode at 9 UT									ioS/TBB runs			LC3_022 - NCP - 6hrs						
	4	Sat	LC3_022 - NCP - 6hrs		ioS/TBB runs		LT3_001 - Pulsar Timing																			
	5	Sun	LT3_001 - Pulsar Timing									ioS/TBB runs		LC3_035 - J0034-0534	LC3_024 - G141.2+5.0 - 3hrs		LC3_024 - G150.3+4.5 - 3hrs			Commissioning2015 - A team REPET ?						

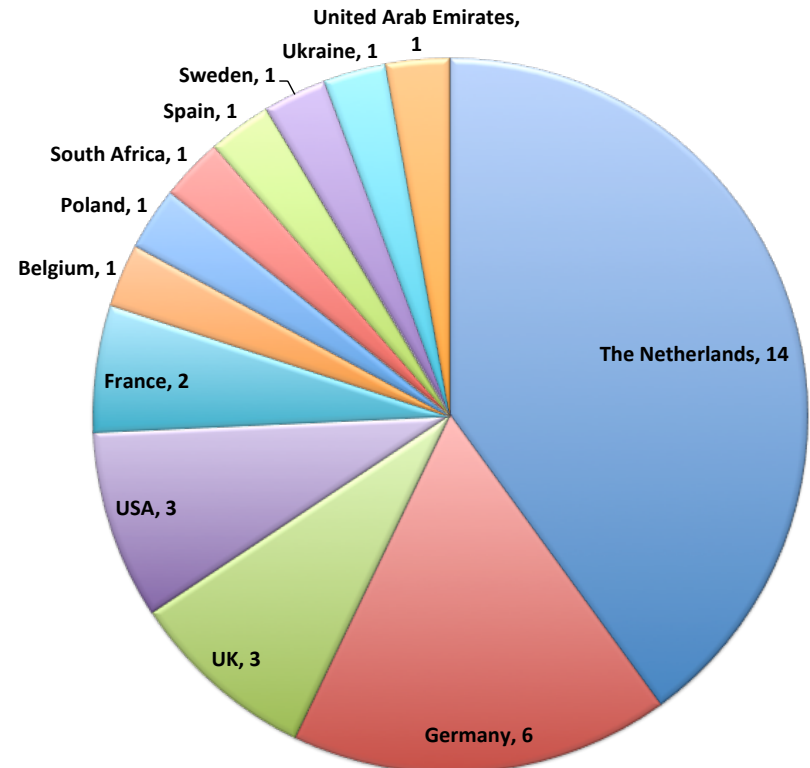
- Cycle 3 observing programme: ~62% completed. Detailed Cycle 3 schedule available here:
- <https://docs.google.com/spreadsheets/d/1jDWvZmpH0ycusJTwbSMU6SxQYK5efawtk0jHSxMbo9M/pubhtml>
- Changes can be applied on daily base: in case of questions/issues contact Science Support
- ****Always cc sciencesupport@astron.nl and include the proposal code in the subject line****

Cycle 4 proposals

- Cycle 4 will run from 15 May – 14 November
- Cycle 4 proposals: 37 regular proposals received
- Oversubscription: 1.4 observing
- PC meeting 6-7 May

Science Area	Fraction of proposals
Extragalactic (AGN, nearby galaxies, etc...)	32%
Transients	30%
Solar	16%
Planets and exoplanets	14%
Galaxy	3%
Stellar	3%
Cosmic Rays	3%

LOFAR CYCLE 4: country affiliation of first author



➤ CEP2

- Disk space situation always concerning (especially after weekends).
- File system of locus084 re-installed.

➤ CEP3

- CEP3 info and users schedule available at:
<http://www.lofar.org/operations/doku.php?id=cep3:start>
- Next stop day is on 7 April: limited access and reboot!
- 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.

- LOFAR Users Meeting : 1 June
- LOFAR Science Meeting : 2-3 June

The deadline for registration and abstract submission is May 1, 2015

Book your accommodation as soon as possible

- Only a limited number of rooms is available at the Best Western City Hotel de Jonge
- The block reservations will expire on ***April 3*** (EXTENDED) for the Van der Valk Hotel Assen

Calendar LOFAR activities

- Next LSM : 15 April
- Start of LOFAR Cycle 4 : 15 May
- LOFAR Users Meeting : 1 June
- LOFAR Science Meeting : 2-3 June
- LOFAR news email list:
<http://www.astron.nl/radio-observatory/subscribe-lofar-news/subscribe-lofar-news>