

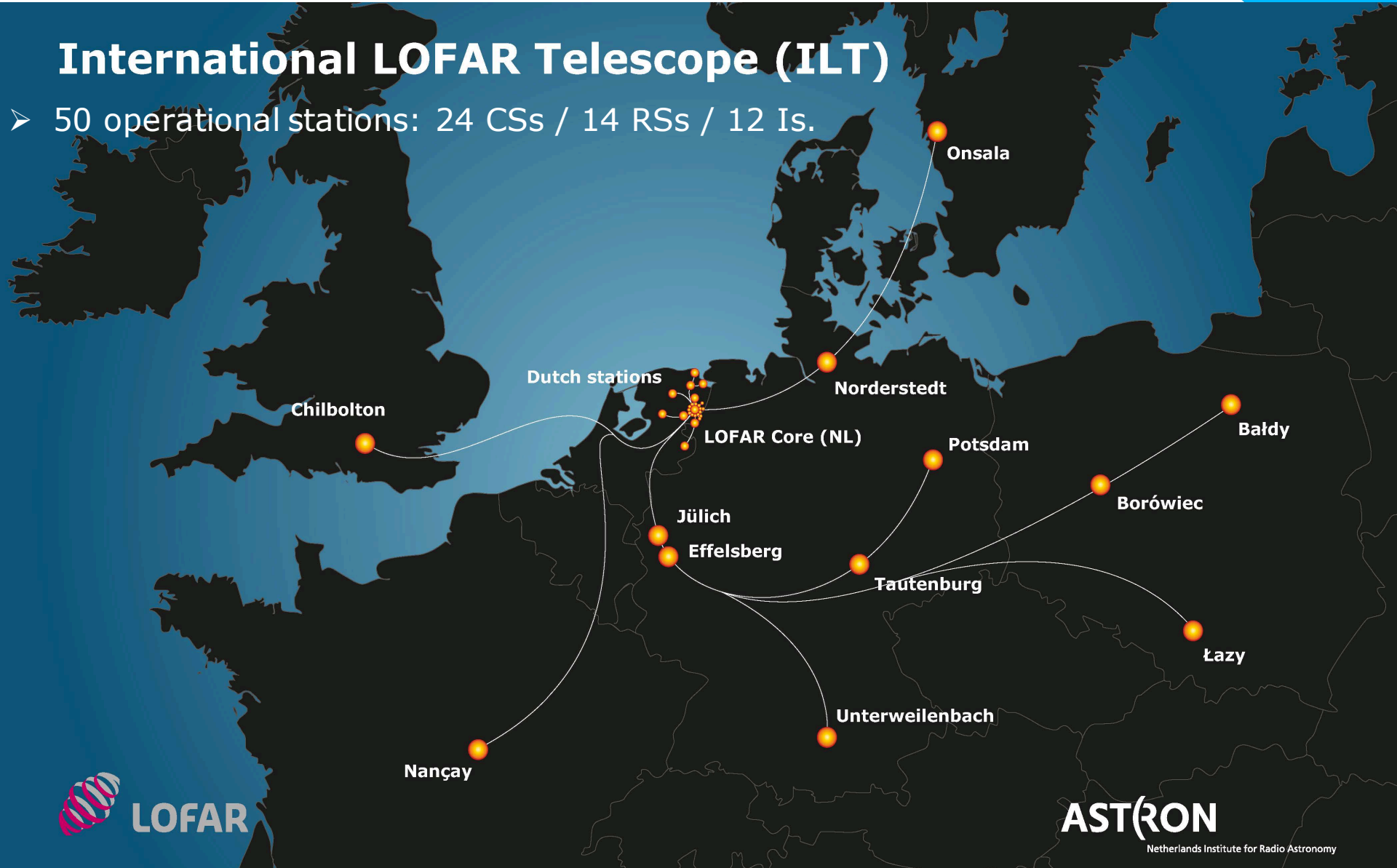
Programme:

1. *Array status & Observatory update – S. ter Veen*
2. Update from the Cosmic Rays working group- J. Rachen
3. Compression of LOFAR visibilities - A. Offringa
4. *AOB*

Array Status

International LOFAR Telescope (ILT)

➤ 50 operational stations: 24 CSs / 14 RSs / 12 Is.



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- Polish stations officially opened last Friday. They are now in regular use.
- Oscillating tiles and noisy elements detected and deactivated from several stations.



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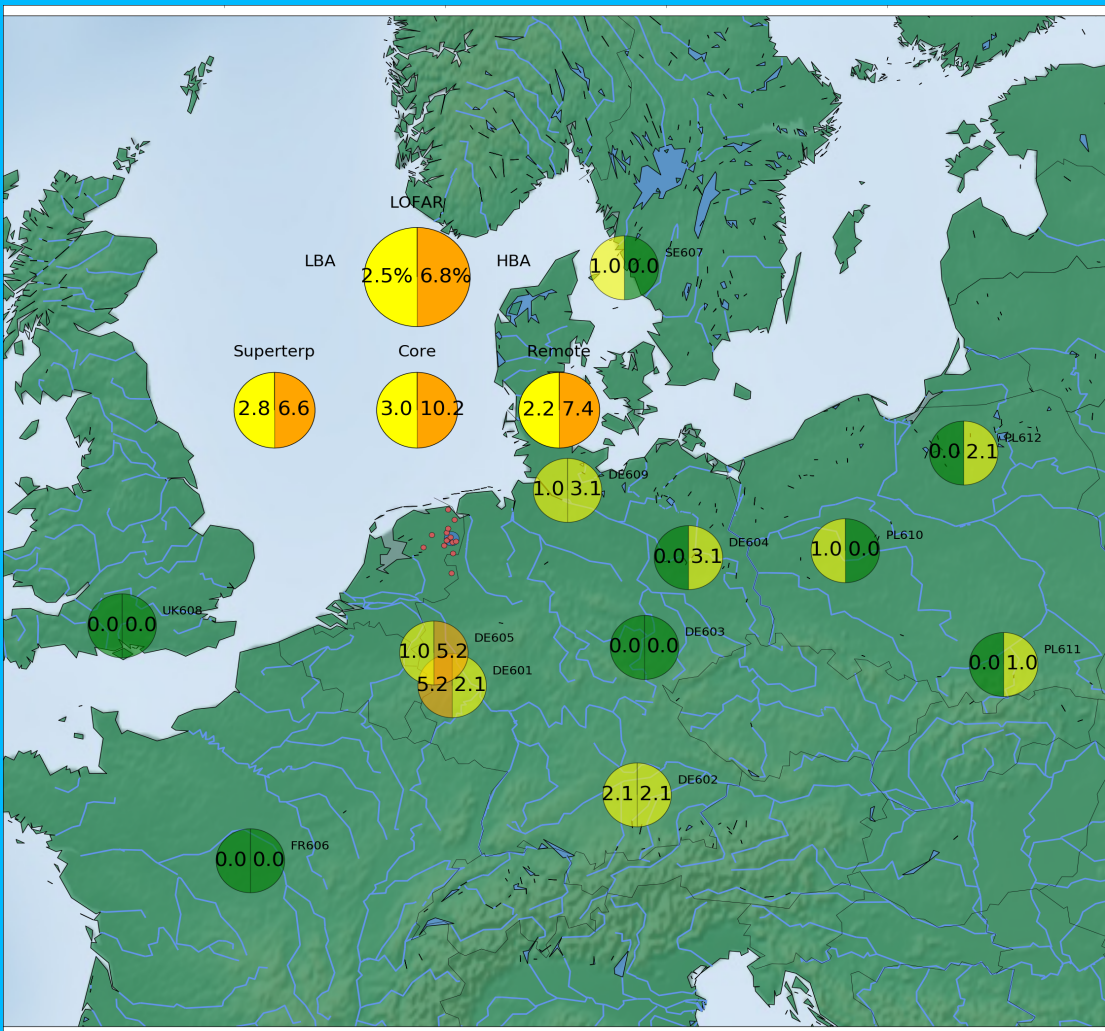
- 50 operational stations: 24 CSs / 14 RSs / 12 Is
- Polish stations officially opened last Friday. They are now in regular use.
- Oscillating tiles and noisy elements detected and deactivated from several stations.
- Station maintenance progressing, but cancelled sometimes because of rain
 - Mowing activities finished
 - General maintenance performed at CS017, RS406/407, CS013, CS032, CS028
 - DE604 no connection, power issue
 - Jülich
 - Effelsberg
 - UK608 maintenance finished
 - PL612 – issues fixed, network switch replaced

Overview, including IS



LBA: 2.5%; HBA: 6.8%

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
 - HBA: CS101, CS030, CS401, CS301, CS302, RS503, RS306

News regarding the observing system



- Some problems with MoM in preparing observations.
- Minor delay with processing. Minor issues with the ingest.
- Sensitivity issue at start of observation solved => E-mail will be sent
- A few LTA staging jobs went on hold over 10-12 June.

- Station calibration status:
 - Overview available at: <http://www.astron.nl/radio-observatory/astronomers/current-status>
 - Calibration tables LBA sparse for Dutch stations problematic

➤ CEP4

- The commissioning of the cluster has started!
- First observations and pipelines ran in production system
 - **Still a lot of debugging needed!**
- CEP4 commissioning has highest priority
 - Delay on solving other issues
 - Observations may be postponed if time is required for CEP4 commissioning
- Pulsar pipelines still need to be integrated
- TBB observing still needs to be integrated

News regarding Cycle 6 observations



June																									HBA	
23	Thu	A: LC6_006 - 3C351 6hrs ALL-INT HBA						TBB + tests	LT5_004 - Follow-up - 20 min HBA - J0032	System tests	A: LC6_002 - Sun - 6hrs HBA						A: LC6_015 - P198+57 & P181+60- 8hrs HBA						TBB + tests			
24	Fri	TBB + tests	LT5_004 - Follow-up - 20 min HBA - J2025	TBB + tests				LT5_004 - Follow-up - 20 min HBA - J0032	System tests	A: LC6_002 - Sun - 6hrs HBA; all international stations to local mode at 9 UT						System tests	TBB + tests									
25	Sat	TBB + tests			LT5_004 - LOTAAS - 4hrs HBA + 20 min follow-up				A: LC6_002* - Sun - 6hrs HBA						B: LC6_028 - J1022 15min HBA	TBB + tests			A: LC6_000 - B1558+55 - 1hrs HBA	TBB + tests						
26	Sun	TBB + tests	A: LC6_030 - B1919+21 B1937+21 B2016+28/B2020+28 B2111+46 118 - 6hrs HBA				A: LC6_030 - B0114+58 J0218+423 2 B0329+54- 3hrs HBA				TBB + tests	A: LC6_030 - B0809+74 B0834+06 B0950+08- 3hrs HBA				TBB + tests			A: LT5_008 - J1807 - 6hrs HBA							
Week 26		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
27	Mon	A: LT5_008 - J1807 - 6hrs HBA			TBB + tests				A: LC6_002 - Sun - 6hrs HBA						LT5_004 - LOTAAS - 4hrs HBA											
28	Tue	A: LC6_015 - P339+28 & P347+28- 8hrs HBA										B: LC6_028 - B0823 15min HBA														
29	Wed	A: LC6_015 - P033+26 & P024+26- 8hrs HBA										B: LC6_028 - B0834 15min HBA														


- Cycle 6 observing program ongoing: 14 % Completed
 - Detailed Cycle 6 schedule available here: <http://www.tiny.cc/LC6>
- *Observations may be postponed if time is required for CEP4 commissioning*
- 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*

LTA: SARA downtime

- LTA at SURFsara will move to a new location
- Downtime:
 - 1-21 August, no staging possible
 - Pre-staged data may be available
 - 1-16 October 2016, no data access at all
- LTA allocation in MoM: check project details => Resources

LOFAR Status Meeting Survey

➤ Please fill in by July 6th. Link: www.tiny.cc/LSMQ



LOFAR Status Meetings Survey

Please fill in this questionnaire about the LOFAR Status Meetings

*** Required**

Have you ever attended a LOFAR Status Meeting (either at ASTRON or remotely)? *

YES

NO

If you usually attend the LSM, how often do you attend it?

ALWAYS

RARELY

BASED ON THE AGENDA OF THE MEETING

Calendar LOFAR activities:

- Next LSM : 6 July 2016 (volunteers welcome)
- 25th Imaging Busy Week : 4 – 8 July 2016
- Software roll-out : 4 July
- Stopday : 12 July
- LOFAR Data Processing School : 5 - 9 September 2016
- An LSM survey has been circulated to users => Reply by 6 July
- LOFAR Calendar:

<http://www.astron.nl/radio-observatory/calendar-lofar-activities/calendar-lofar-activities>

- LOFAR Papers:

<http://www.astron.nl/radio-observatory/lofar-science/lofar-papers/lofar-papers>

- All accepted LOFAR DDT projects list:

<http://www.astron.nl/radio-observatory/cycles/accepted-ddt-projects/accepted-ddt-projects>

- LSM presentations list & users suggestions:

http://www.lofar.org/operations/doku.php?id=public:lsm_new:start

- LOFAR news email list:

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