

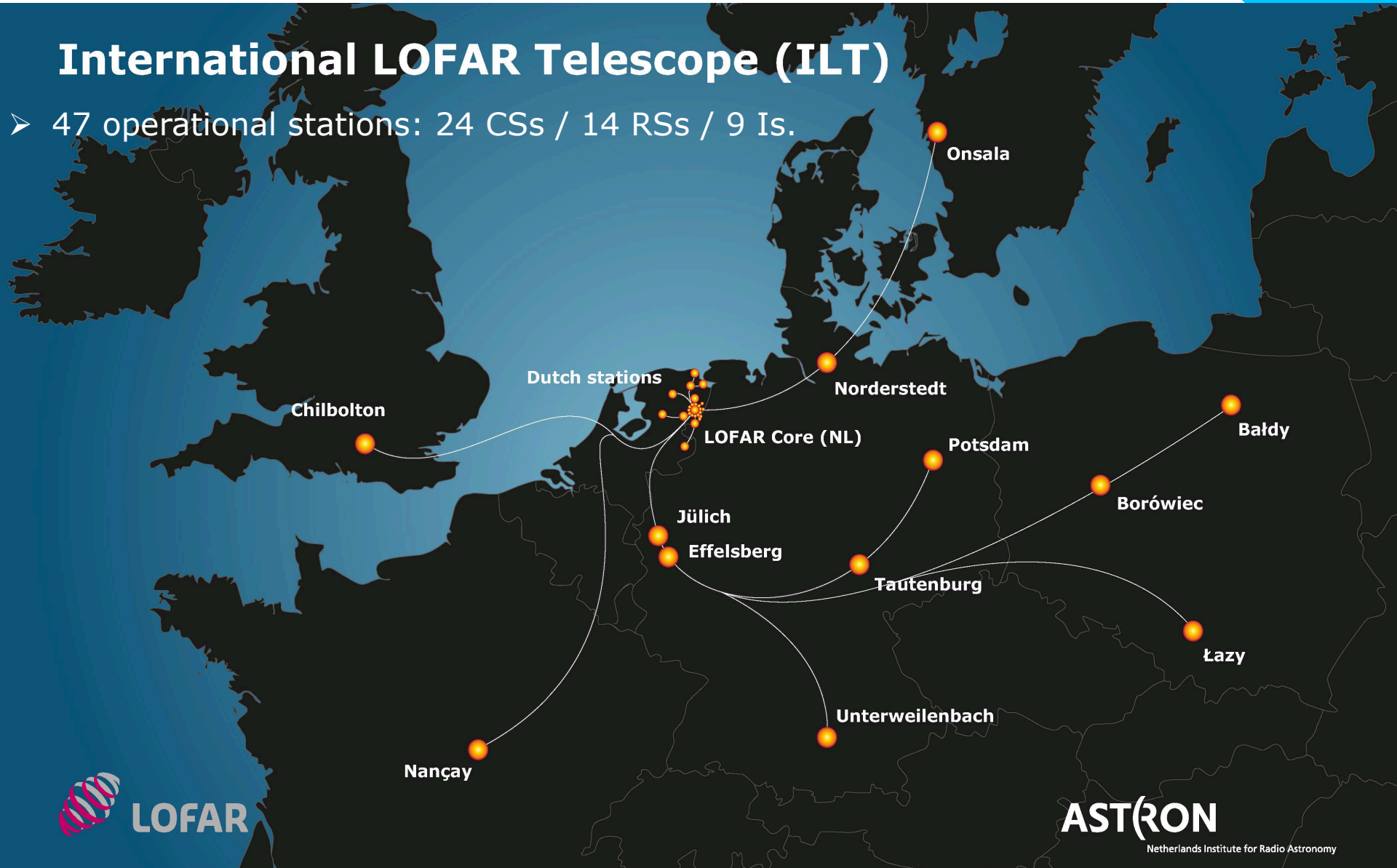
Programme:

- 1. Array status & Observatory update – M. Iacobelli*
- 2. Calibrating the LBA – F. de Gasperin*
- 3. RRL and Nearby AGN – k. Emig*
- 4. Simultaneous Nightside Interplanetary and Ionospheric Scintillation – R. Fallows*
- 5. AOB*

Array Status

International LOFAR Telescope (ILT)

➤ 47 operational stations: 24 CSs / 14 RSs / 9 Is.



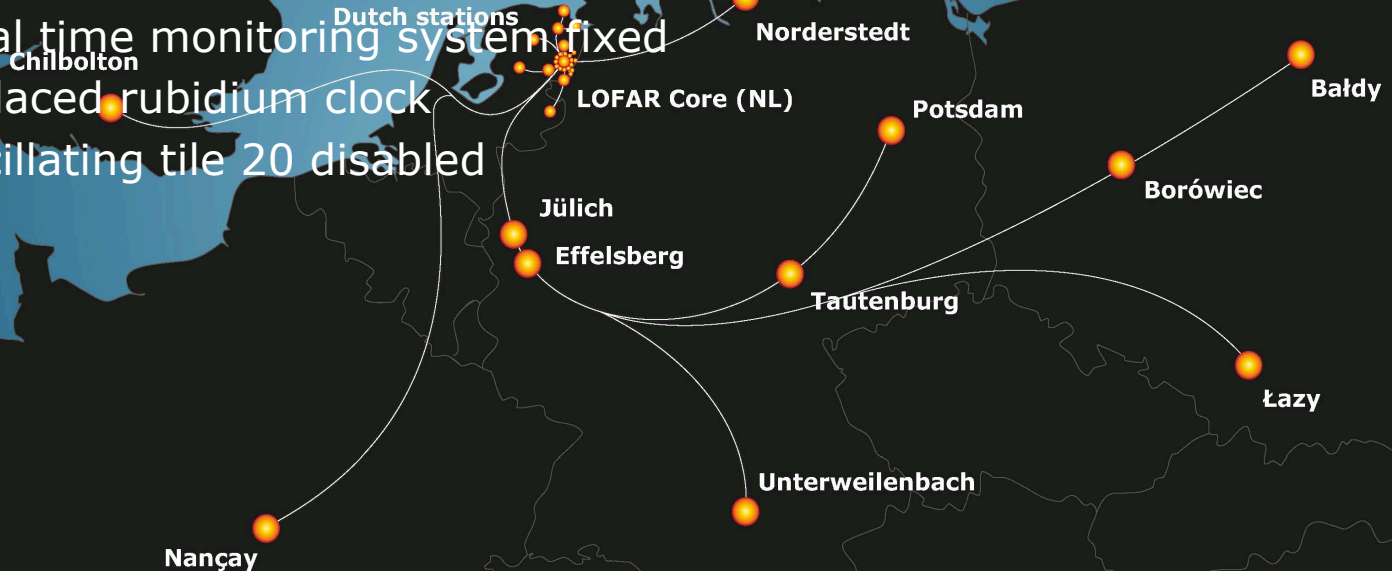
International LOFAR Telescope (ILT)

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- Integration and calibration of Polish stations ongoing.



International LOFAR Telescope (ILT)

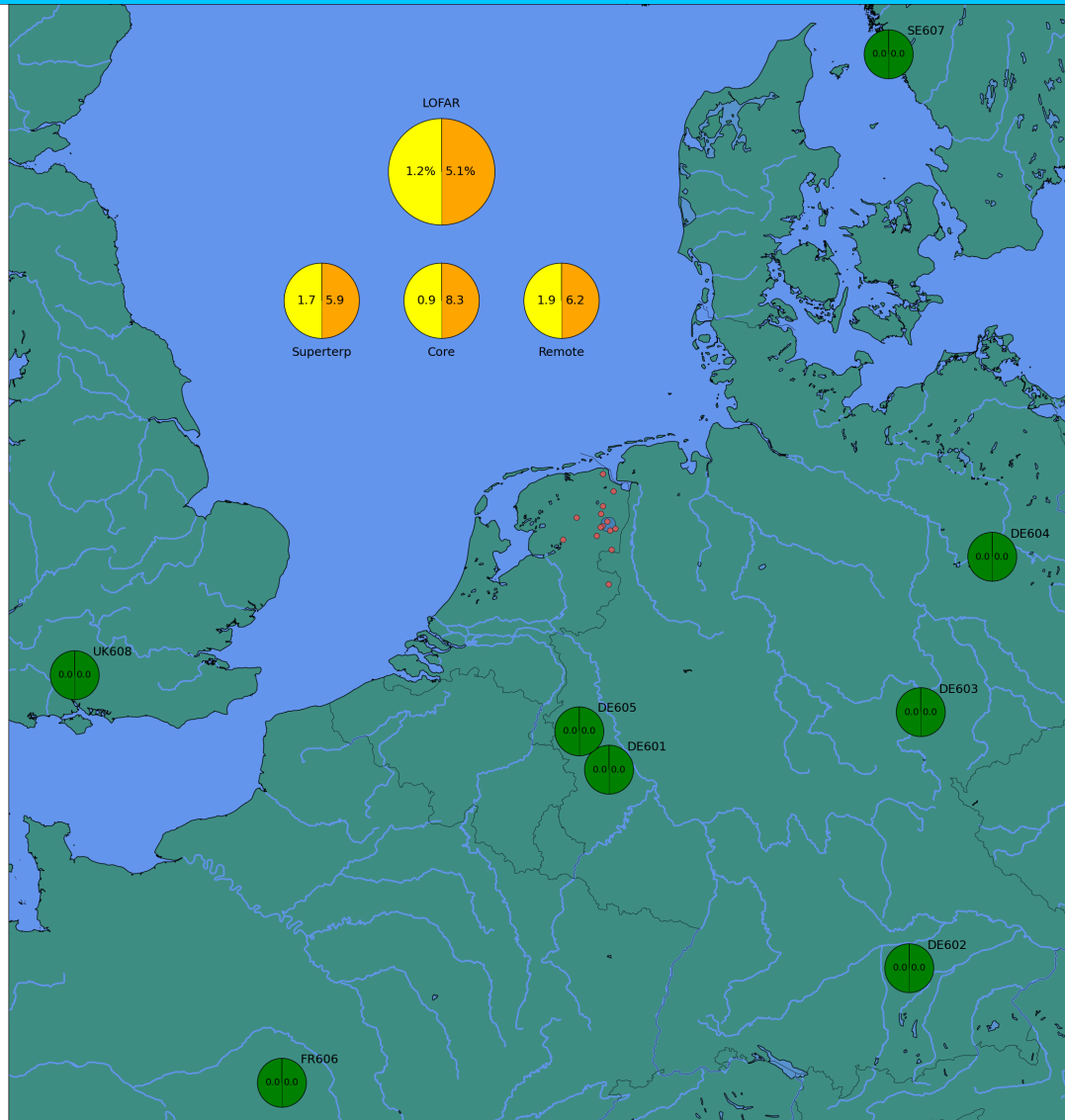
- 47 operational stations: 24 CSs / 14 RSs / 9 Is
- Integration and calibration of Polish stations ongoing.
- Station maintenance:
 - CS011 replaced SPUBoard1 powersupply broken
 - DE602 Real time monitoring system fixed
 - PL611 replaced rubidium clock
 - RS210 oscillating tile 20 disabled



Overview, including IS

LBA: 1.2%; HBA: 5.1%

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



➤ Color coding of non-operational components per stations:

- all operational
- <5% non-operational
- <15% non-operational
HBA: CS001, CS002, CS004, CS005, CS006, CS017, CS021, CS032, CS101, CS501, RS210, RS307, RS310
LBA: RS210, RS306
- >15% non-operational
HBA: CS030, CS301, CS302, CS401, RS306, RS406

➤ Minor delay with processing. Minor issues with the ingest.

➤ Station calibration status:

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

- Calibration tables mode3: update starting for Dutch stations.
- PL610: calibration tables all modes for HBA; LBA delayed because of RFI.
- PL611/612: station calibration done for LBA/HBA all modes.

News regarding the observing system



Software roll-out January 25th 2016: LOFAR release 2.15

- Changes / fixings for AWImager, NDPPP, PyBDSM.

Release notes available at: http://www.lofar.org/operations/doku.php?id=engineering:release_notes_lofar_2.15

Stop Day February 2nd 2016:

- MonetDB database GSM has been moved from ldb002 to ldb003.
- CEP3 users will now use LOFAR-Release-2_15_0 or Pulp-2_15_0.

News regarding Cycle 5 observations

Week 5		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			9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
February	1	Mon		LC5_002 - 2 hr HBA	TBB + test runs			System tests			LT5_004 - LOTAAS - 4hrs HBA; all international stations switched to ILT mode at 9 UT			System tests			LC5_022 - LS1+61303 - 5hrs HBA - CEP3 - DO NOT MOVE!!		TBB + test runs			LT5_009 - 3C196 - 6hrs HBA				
	2	Tue	LT5_009 - 3C196 - 6hrs HBA	TBB + test runs		LT5_004 follow-up 15 min	TBB + test runs		STOP DAY										Validation / Warmup runs			LC5_017 - P143+52 o06 - 8hrs LBA - CEP3				
	3	Wed	LC5_017 - P143+52 - 8hrs LBA - CEP3			STATIONTEST			System tests			LC5_023 - 8hrs HBA						LT5_003 - J0305+11 - 2hrs HBA		DDT5_002 - 55 CnC - 8hrs - LBA*						
	4	Thu	DDT5_002 - 55 CnC - 8hrs - LBA*				TBB + test runs		System tests					LT5_004 - LOTAAS - 4hrs HBA			TBB + test runs		LT5_009 - 3C196 - 6hrs HBA							
	5	Fri	LT5_009 - 3C196 - 6hrs HBA	TBB + test runs			LT5_004 - LOTAAS - 4hrs HBA			System tests; all international stations switched to local mode at 9 UT									TBB + test runs		LC5_017 - P142+55 o04 - 8hrs LBA - CEP3					
	6	Sat	LC5_017 - P142+55 - 8hrs LBA - CEP3			TBB + test runs			LT5_003 - Pulsar Timing - HBA			TBB + test runs						LT5_009 - NCP - HBA								
	7	Sun	LT5_009 - NCP - HBA									LT5_003 - Pulsar Timing - HBA														

➤ Cycle 5 observing programme ongoing: ~45% completed.

Detailed Cycle 5 schedule available here: <http://www.tiny.cc/LC5>

➤ 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*

News regarding Cycle 6

- Deadline 9 March 12 UT
- Call for proposals sent out last week
- Update of documentation is ongoing

➤ CEP4

- The cluster has been accepted and software installation is ongoing.

➤ CEP2

- Disk space situation often concerning.
- Locus096 used for spare parts (raid controller).

➤ CEP3

- Disk space of CEP3 commissioning node lof021 73% full !
- CEP3 info and users schedule available at:

<http://www.lofar.org/operations/doku.php?id=cep3:start>

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>

- 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.

Calendar LOFAR activities:

- Next LSM : 17 February 2016 (volunteers welcome)
 - FACTOR Busy Week : 22-25 February 2016
 - 1st LBA Busy Week : 29 February – 4 March
 - 3rd LOFAR users meeting : 4 April 2016
 - LOFAR Science Meeting : 5-6 April 2016
 - LOFAR ILT Technical Operations Meeting: 7-8 April 2016
 - Survey KSP Meeting : 7-8 April 2016
- Deadline registration LOFAR meetings is 14 March !**
- 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>