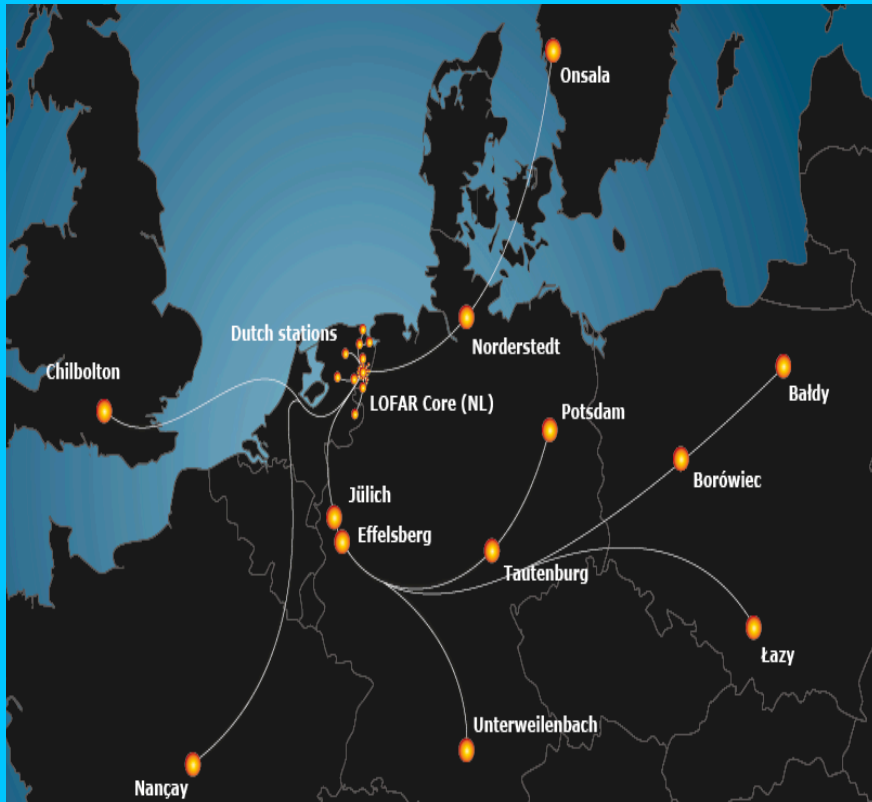


Programme:

1. *Array status & Observatory update – S. ter Veen*
2. CITT update – T. J. Dijkema
3. Software development update – A. Schoenmakers
4. *AOB*

Array Status

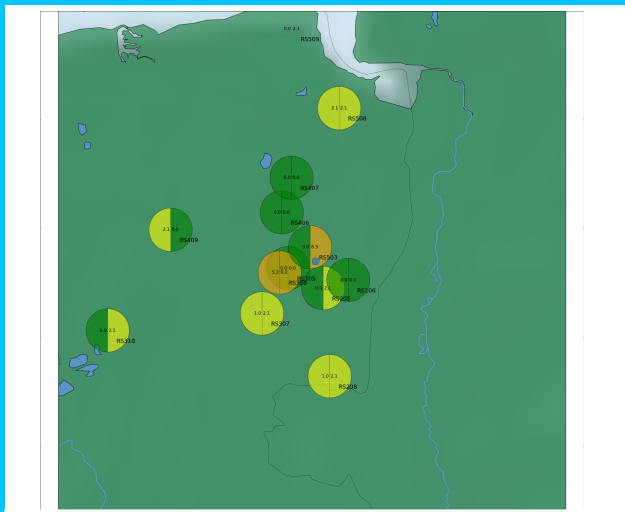
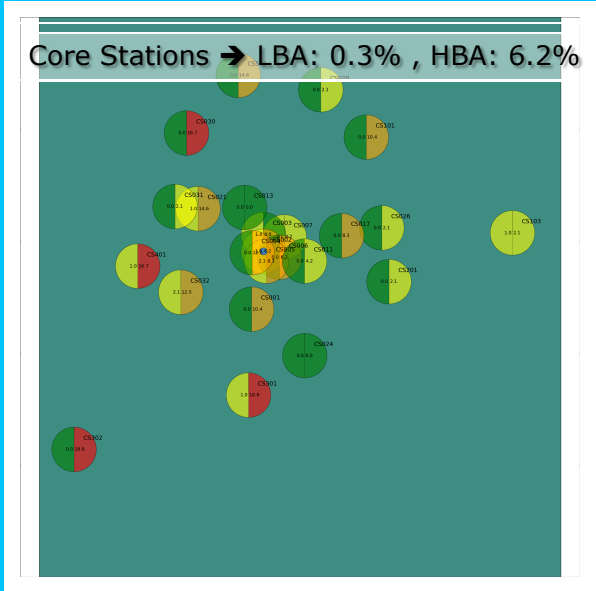
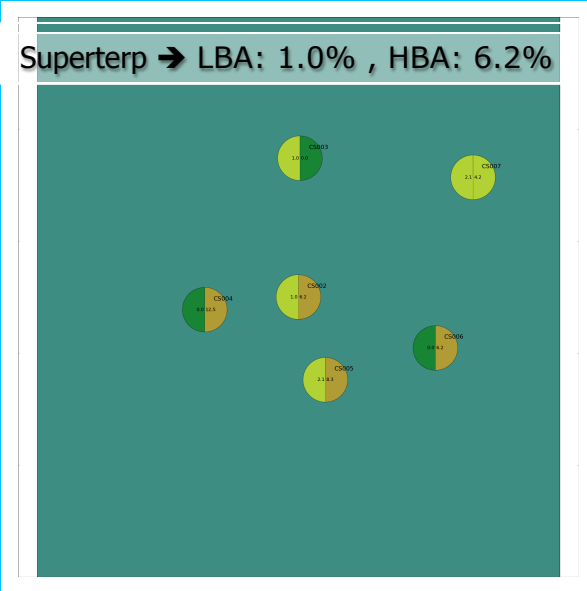
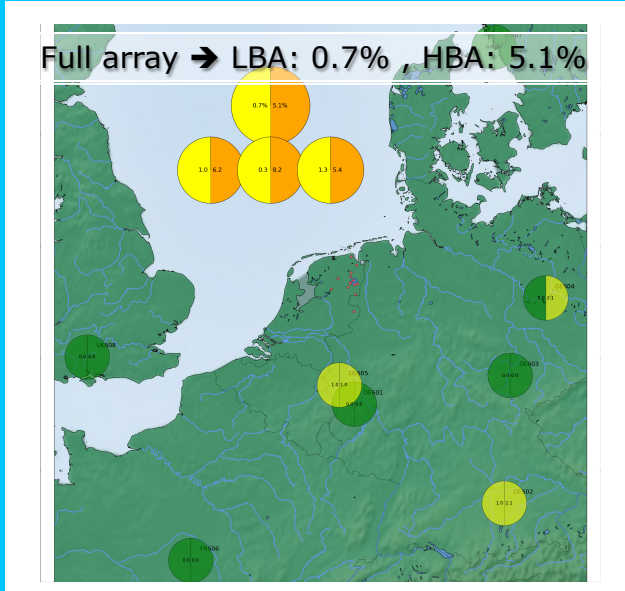


- 47 operational stations
 - 24 CSs
 - 14 RSs
 - 9 Is
- 3 Polish stations: integration and calibration ongoing
- Irish station funded

Station / CEP issues

Station	Issue	Occured	Fixed
CS006	Clock problem	Dec. 11	Dec. 14
RS508	Rubidium broken		Dec. 14
RS508	Went to swlevel 0	Jan. 4	Jan 4.
RS409	Rubidium broken	Dec. 20	Jan. 7
DE602	No network connection	Jan. 12	Jan. 15
CS031	GPS connection	Jan. 13	Jan. 14
Locus039	Raid controller replaced	Jan 3.	Jan 11.
locus099	Switched off, used for spare parts	Jan 11.	
CEP2 dataloss	Occasional dataloss because of too little locus nodes / simulteneous data copying for heavy observations		

ANTENNA ELEMENTS STATUS



Remote Stations → LBA: 1.3% , HBA: 5.4%

All operational
< 5% not operational
< 15% not operational
> 15% not operational

- Elements with modem errors now also disabled
- Current status available at

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

ANTENNA ELEMENTS STATUS

Core Stations → LBA: 0.3% , HBA: 6.2%

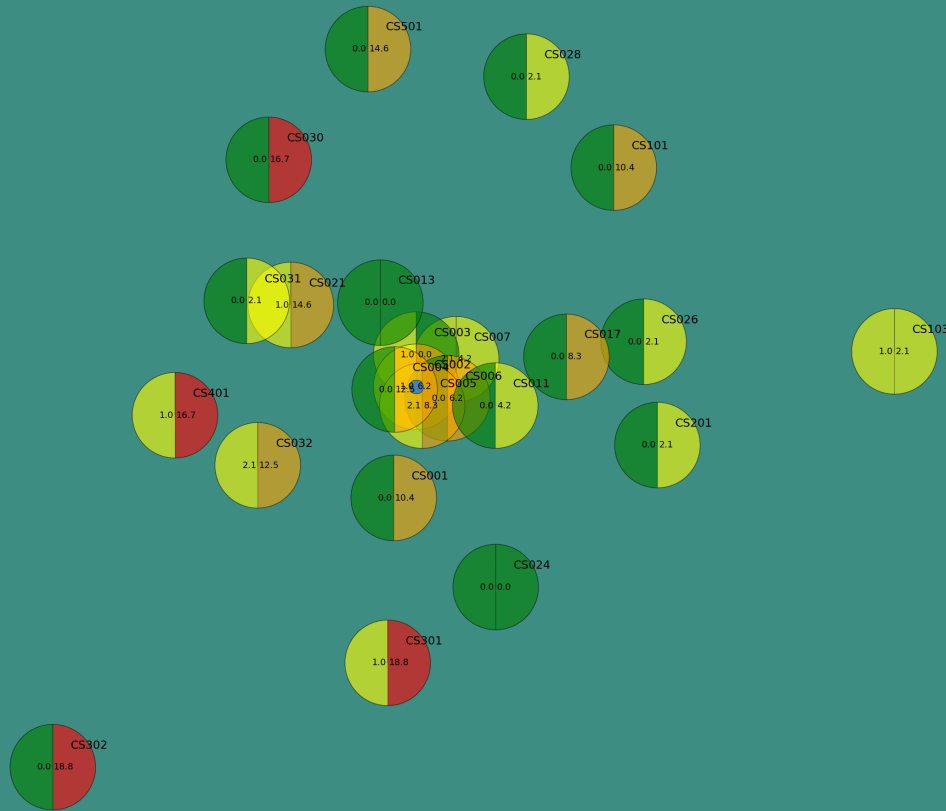
> 15%

CS030

CS401

CS301

CS302



STATION CALIBRATION

Station	mode 1/2	mode 3/4	mode 5	mode 6	mode 7	Station	mode 1/2	mode 3/4	mode 5	mode 6	mode 7
CS001	23-06-15	21-09-15	19-02-15	23-12-15	11-02-15	RS106	18-06-15	21-09-15	20-04-15	23-12-15	24-02-15
CS002	23-06-15	21-09-15	11-02-14	23-12-15	24-02-15	RS205	18-06-15	21-09-15	04-11-15	23-12-15	04-11-15
CS003	18-06-15	21-09-15	11-02-14	23-12-15	24-02-15	RS208	18-06-15	12-11-13	04-11-15	23-12-15	04-11-15
CS004	18-06-15	21-09-15	11-02-14	23-12-15	19-02-15	RS210	18-06-15	22-07-14	04-11-15	23-12-15	24-02-15
CS005	18-06-15	21-09-15	11-02-14	23-12-15	19-02-15	RS305	13-07-15	21-09-15	04-11-15	23-12-15	04-11-15
CS006	18-06-15	13-07-15	11-02-14		19-05-14	RS306	18-06-15	21-09-15	04-11-15	23-12-15	04-11-15
CS007	18-06-15	21-09-15	11-02-14	23-12-15	24-02-15	RS307	18-06-15	21-09-15	04-11-15	23-12-15	04-11-15
CS011	18-06-15	21-09-15	19-02-15	23-12-15	24-02-15	RS310	18-06-15	22-07-14	04-11-15	23-12-15	19-02-15
CS013	17-09-14	05-08-14	19-02-15	23-12-15	19-02-15	RS406	18-06-15	21-09-15	04-11-15	23-12-15	04-11-15
CS017	18-06-15	13-07-15	19-02-15	23-12-15	24-02-15	RS407	18-06-15	21-09-15	21-09-15	23-12-15	04-11-15
CS021	18-06-15	05-08-14	19-02-15	23-12-15	19-02-15	RS409	18-06-15		04-11-15	13-01-16	04-11-15
CS024	18-06-15	21-09-15	19-02-15	23-12-15	19-05-14	RS503	18-06-15	21-09-15	20-04-15	23-12-15	24-02-15
CS026	18-06-15	21-09-15	19-02-15	23-12-15	19-02-15	RS508	18-06-15	21-09-15	04-11-15	13-01-16	04-11-15
CS028	18-06-15	21-09-15	19-02-15	23-12-15	24-02-15	RS509	18-06-15	21-09-15	04-11-15	23-12-15	24-02-15
CS030	18-06-15	21-09-15	19-02-15	23-12-15	19-02-15	DE601		04-11-15	19-10-15	23-12-15	19-10-15
CS031	20-09-12	05-08-14	19-02-15	23-12-15	24-02-15	DE602		13-07-15	20-04-15	23-12-15	24-08-15
CS032	18-06-15	13-07-15	19-02-15	23-12-15	24-02-15	DE603		04-11-15	19-10-15	23-12-15	19-10-15
CS101	18-06-15	21-09-15	19-02-15	23-12-15	24-02-15	DE604		03-10-13	19-10-15	23-12-15	19-10-15
CS103	13-07-15	21-09-15	19-02-15	23-12-15	24-02-15	DE605		13-07-15	19-10-15	23-12-15	19-10-15
CS201	18-06-15	21-09-15	19-02-15	23-12-15	19-02-15	FR606		04-11-15	04-11-15	23-12-15	04-11-15
CS301	18-06-15	21-09-15	19-02-15	23-12-15	24-02-15	SE607		04-11-15	19-10-15	23-12-15	19-10-15
CS302	18-06-15	21-09-15	19-02-15	23-12-15	19-02-15	UK608		04-11-15	19-10-15	23-12-15	19-10-15
CS401	18-06-15	15-10-12	19-02-15	23-12-15	24-02-15	DE609		03-04-15	21-09-15	23-12-15	21-09-15
CS501	18-06-15	21-09-15	19-02-15	23-12-15	24-02-15						

- Mode 3 data taken on Dec 30+31 on Dutch stations
- Mode 6 installed on most stations (23-12-15)
CS006 missing
- POL calibration ongoing
- Current status
<http://www.astron.nl/radio-observatory/astronomers/current-status>

LOFAR Science 2016

3rd LOFAR Users Meeting

LOFAR Community Science workshop

Technical Operations Meeting

4-7 April 2016, Zandvoort aan Zee, The Netherlands

Registration open:

<http://www.astron.nl/lofarscience2016/>

News regarding Cycle 5 observations

January	20	Wed	LT5_009 - 3C196 - 6hrs HBA	LC5_020 - 0.5 hr - HBA	TBB + test runs	System tests	LC5_019 - 4C38.41 - 4hrs HBA;	System tests	LC5_022 - LS1+61303 - 5hrs HBA - CEP3 - DO NOT MOVE!!	System tests	TBB + test runs	LT5_006 - 4C43.15 - 9hrs ALL-INT HBA														
	21	Thu	LT5_006 - 4C43.15 - 9hrs ALL-INT HBA			System tests	LC5_018 - J1614-2318 - 2hrs HBA	System tests			TBB + test runs	LT5_004 - LOTAAS - 4hrs HBA	STATIONTEST													
	22	Fri	LT5_007 - P184+40 - 8hrs HBA				System tests; all international stations switched to local mode at 9 UT	LT5_004 - LOTAAS - 2hrs HBA	System tests	LC5_022 - LS1+61303 - 5hrs HBA - CEP3 - DO NOT MOVE!!	System tests	LT5_009 - NCP - HBA														
	23	Sat	LT5_009 - NCP - HBA					TBB + test runs		LT5_004 - LOTAAS - 4hrs HBA		TBB + test runs	LT5_008 - 2M0716 - 6hrs HBA													
	24	Sun	LT5_008 - 2M0716 - 6hrs HBA		TBB + test runs		LC5_018 - J1614-2318 - 2hrs HBA	TBB + test runs		LC5_022 - LS1+61303 - 5hrs HBA - CEP3 - DO NOT MOVE!!		TBB + test runs	LT5_009 - 3C196 - 6hrs HBA													
Week 4		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			8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
	25	Mon	LT5_009 - 3C196 - 6hrs HBA	TBB + test runs	LT5_004 - LOTAAS - 4hrs HBA	SOFTWARE ROLLOUT; all international stations switched to ILT mode at 9 UT						SYSTEM TESTS				LC5_002 - 2 hrs - (repet. 07-01-16)										
	26	Tue	SYSTEM TESTS							LC5_022 - LS1+61303 - 5hrs HBA - CEP3 - DO NOT MOVE!!	System tests	LT5_009 - NCP - HBA														
	27	Wed	LT5_009 - NCP - HBA				System tests		LC5_019 - 4C31.56 - 4hrs HBA	System tests	TBB + test runs	LC5_008 - Field A0 - 8hrs HBA														
	28	Thu	LC5_008 - Field A0 - 8hrs HBA	TBB + test runs	LC4_034 - P248+40 - 8hrs HBA - REPETITION				System tests	LC5_022 - LS1+61303 - 5hrs HBA - CEP3 - DO NOT MOVE!!		TBB + test runs	LT5_009 - 3C196 - 6hrs HBA													

➤ Detailed Cycle 5 schedule available here:

- <http://www.tiny.cc/LC5>
- ****Always cc 'sciencesupport@astron.nl' and include the proposal code in the subject line****
- **Cycle 5:> 38% complete**

Cycle 6

- Deadline 9 March 12 UT
- Call for proposals will (probably) be sent out this week

- Next LSM : 3rd February 2016
- Pulsar Busy Week : 25-30 January 2016
- Facet Calibration Workshop : 25-30 January 2016
- Next software roll-out : 25th January 2016
- FACTOR Busy Week : 22-25 February 2016
- LOFAR Users meeting : 4th April 2016
- LOFAR Science Meeting : 5-6 April 2016
- LOFAR ILT Technical Operations Meeting: 7th April 2016
- Survey KSP Meeting : 7-8 April 2016
- Deadline registration LOFAR meetings : 14 March 2016

Note: subscribe to lofar-news and lsm mailing lists:

[http://www.astron.nl/radio-observatory/subscribe-lofar-news-and-lsm-mailing-lists/
subscribe-lofar-news-and-lsm-mailing-li](http://www.astron.nl/radio-observatory/subscribe-lofar-news-and-lsm-mailing-lists/subscribe-lofar-news-and-lsm-mailing-li)

LSM presentations:

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

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