

Programme:

- 1. Array status & Observatory update – R. Pizzo*
- 2. LTA status update – H. Holties*
- 3. MSSS status update – G. Heald*
- 4. High resolution images of extragalactic jets with the International LOFAR long baselines – J. Moldon*

International LOFAR Telescope (ILT)



- 46 operational stations completed
- 38 NL stations, 8 international stations
- 4 new stations to come: Germany (1), Poland (3)

Poland funded & in progress

ASTRON

Netherlands Institute for Radio Astronomy

Array Status

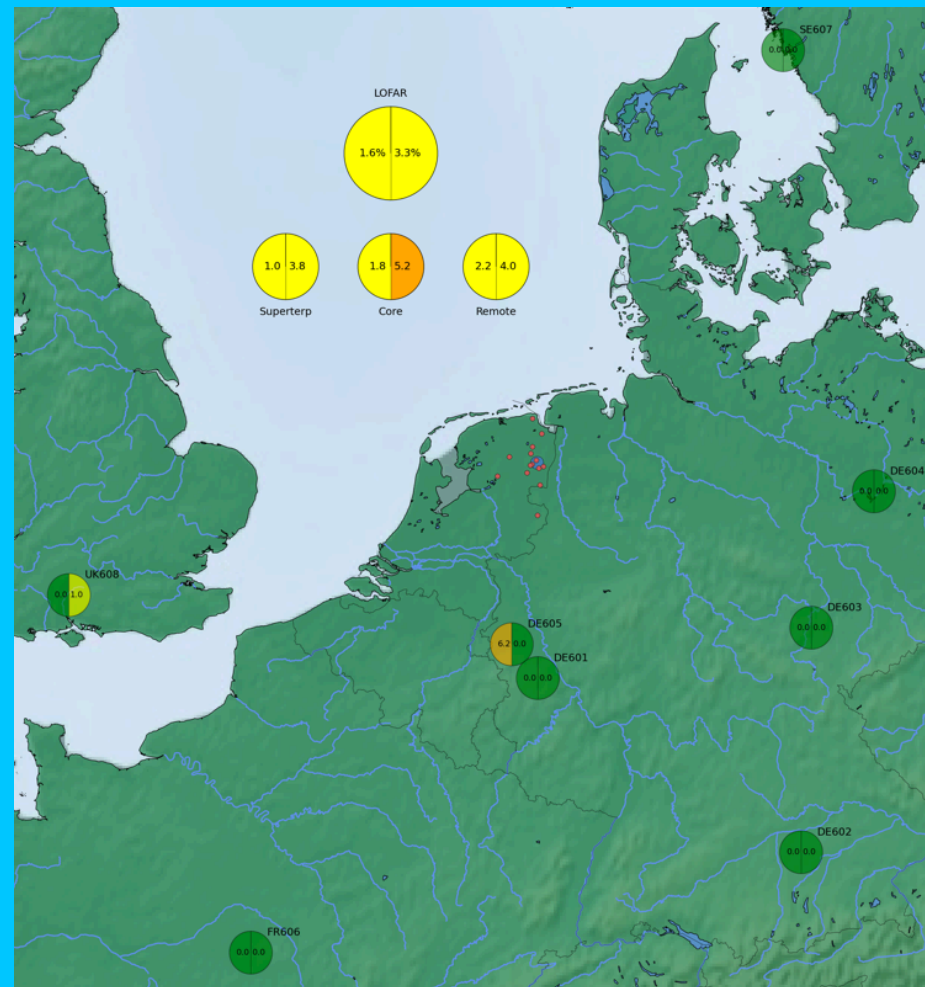


- TBB board broken on RS509
- HAK cabinet maintenance ongoing (air-filters cleaned)
- Last round of mowing ongoing
- Roll out of Hamburg station currently ongoing

Overview, including IS

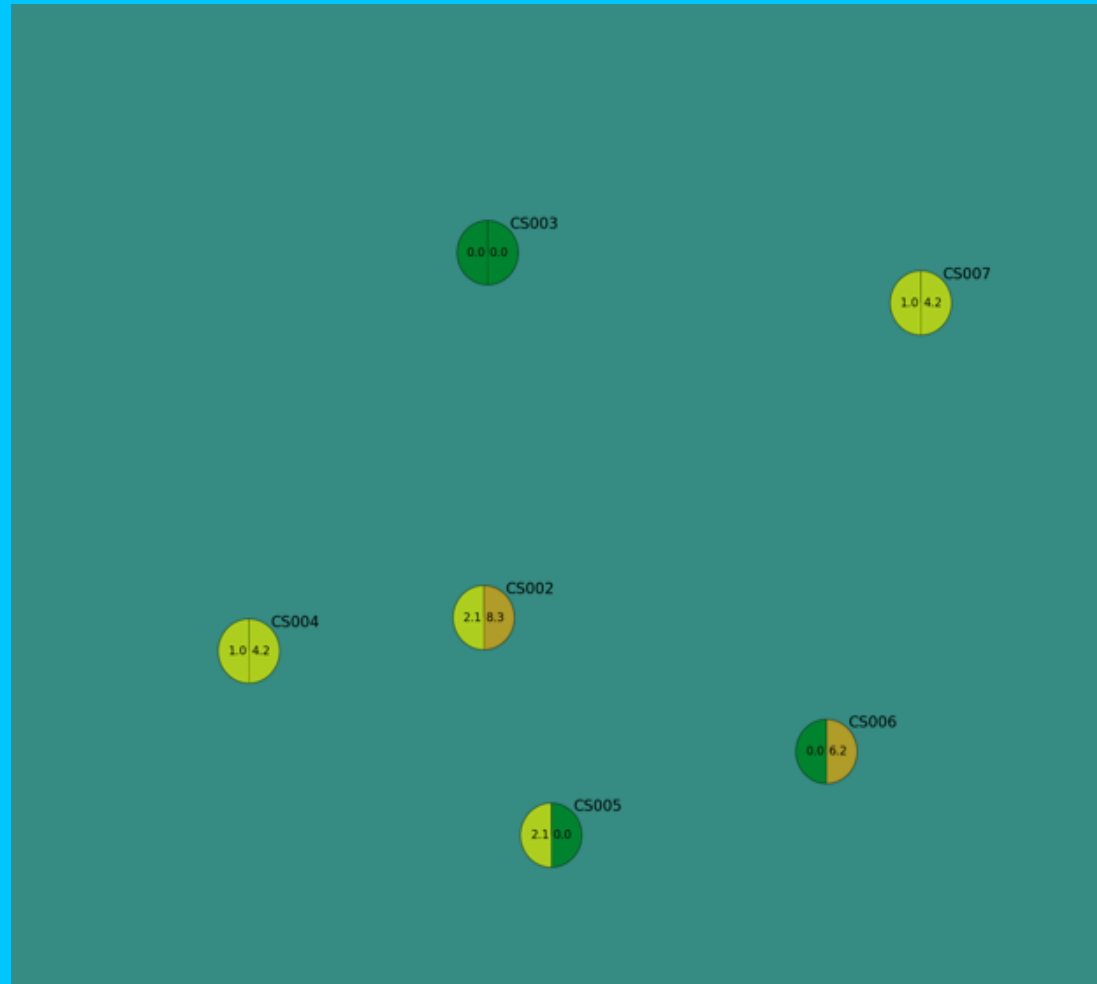
LBA: 1.6%; HBA: 3.3%

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



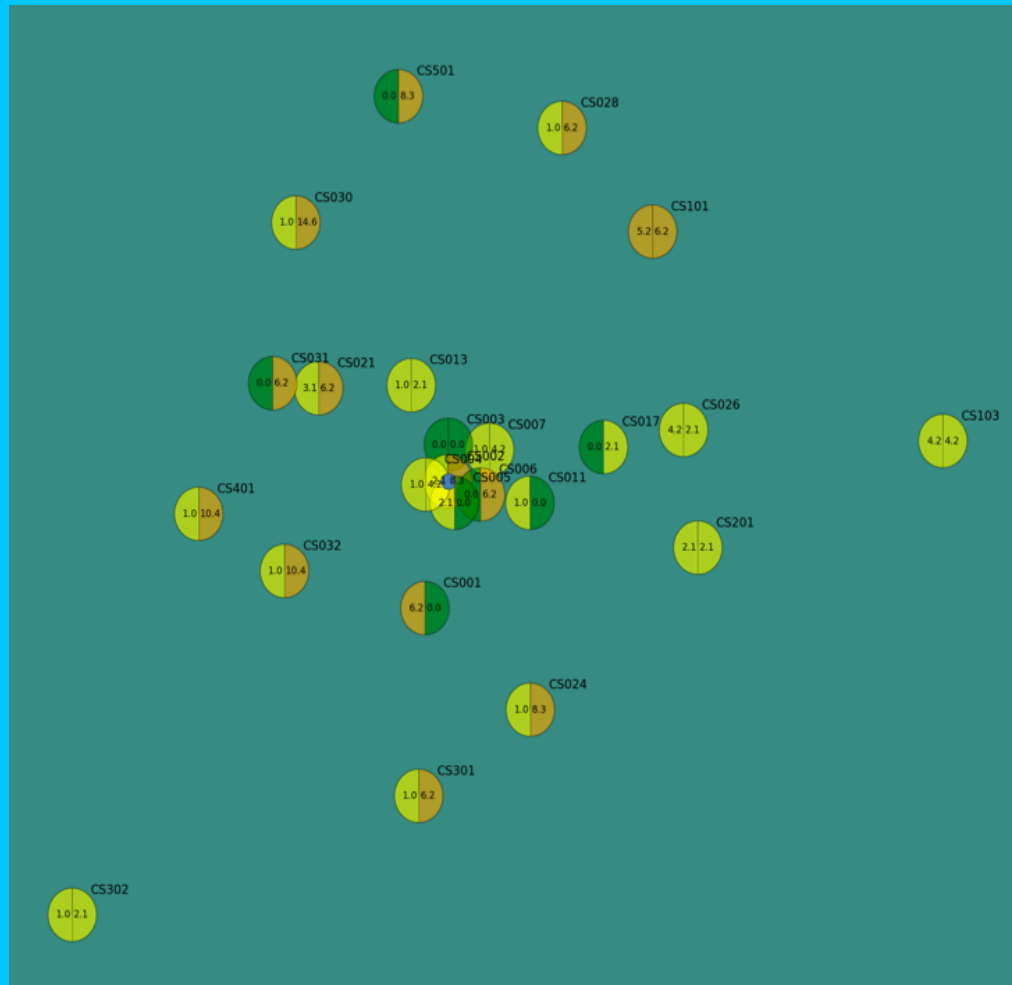
Superterp

LBA: 1.0%; HBA: 3.8%



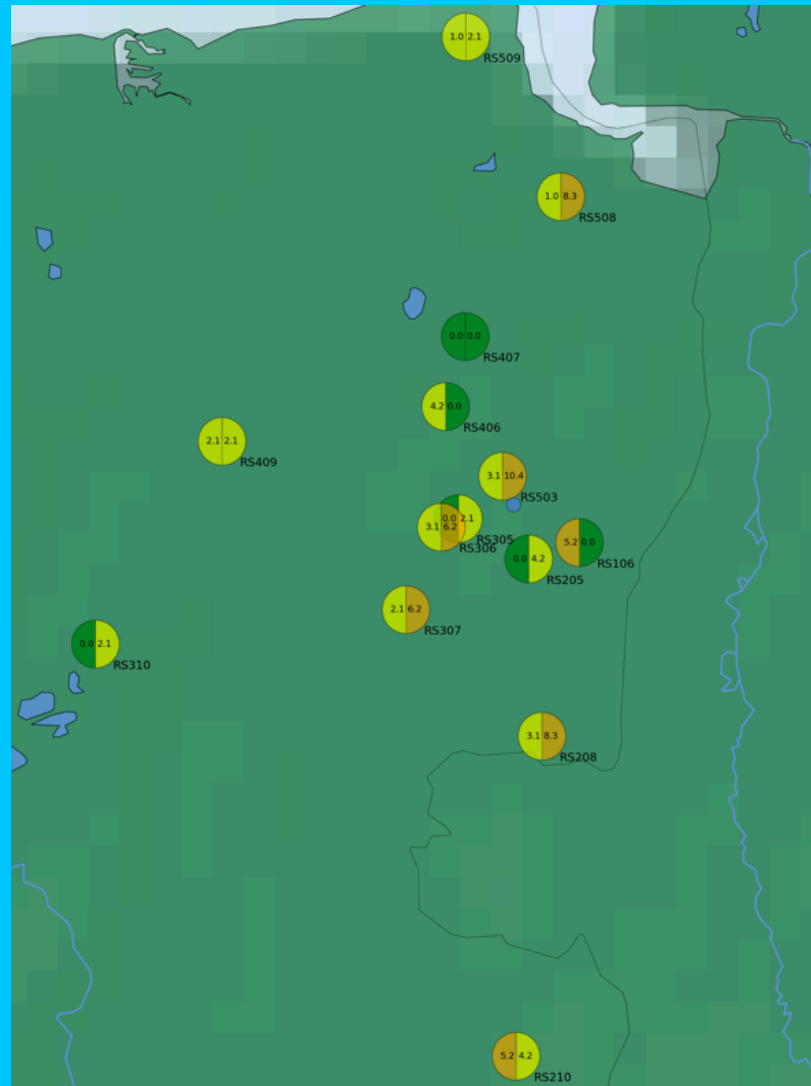
Core Stations

LBA: 1.8%; HBA: 5.2%



Remote Stations

LBA: 2.2%; HBA: 4.0%



News regarding the observing system



- System performed relatively fine during the last two weeks
- System issues:
 - CS007 had several crashes last week (LOTAAS affected). Problem not understood yet, but no problems for past days
 - throughput issues to CEP2 locus nodes 051-075 (LOTAAS affected) – reconfiguration COBALT router node 3 solved the problems
 - In a recent M31 observation, it was noticed a jump in visibilities for baselines involving CS501 HBA1 at frequency 158.4 MHz (from SB243 to SB244) – under investigation

News regarding the observing system: Pipelines



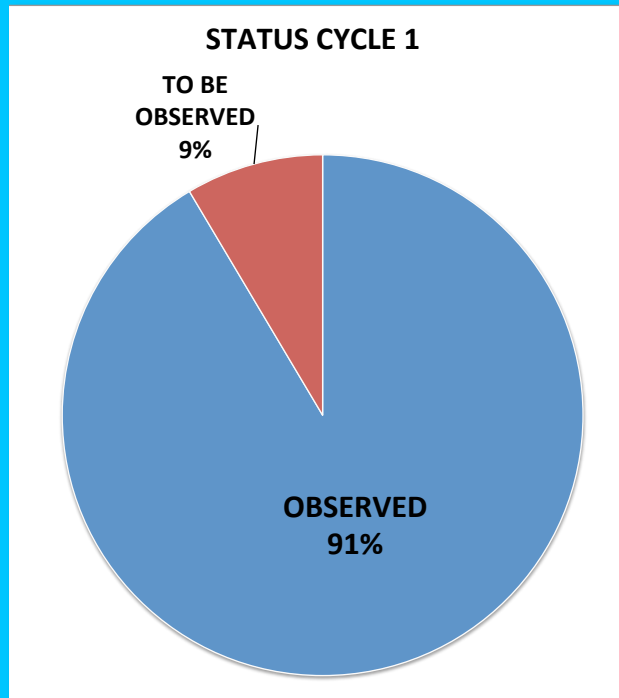
- Pipelines:
 - Pulsar pipelines run through the central system
 - Long processing queue -> characterization Pulsar pipelines needed for Cycle 4!
 - repeatedly failing imaging pipelines at source extraction step - cause not yet understood

News regarding the LTA: Making LOFAR Data public

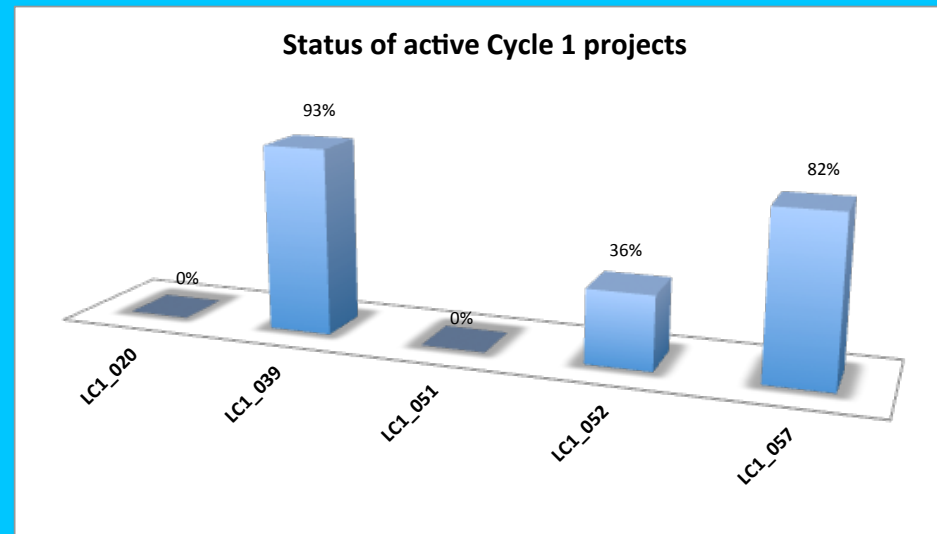


- Following ILT Data Policy (<http://www.astron.nl/radio-observatory/observing-proposals/lofar-data-policy/lofar-data-policy>):
 - Default ILT data proprietary period is 1 year after the last data installment in the LTA of the full observing project in that Cycle
- Several Cycle 0 and Cycle 1 projects are already publishable
- This must be done in an orderly and easier fashion with better archive tools
- We are planning to make effective the automatic opening up of data after the proprietary period from March 2015 onwards.
- It will involve an automatic prior notification to the PIs, but note that the data policy is that exemptions or changes to the proprietary data period, which will be granted only exceptionally, should be requested when proposing the observations to the ILT-PC
- By end 2014: functionality to query the LTA database to check what datasets are in the archive and get also info on their release date

News regarding the observing system: CYCLE 1 – NOW CLOSED



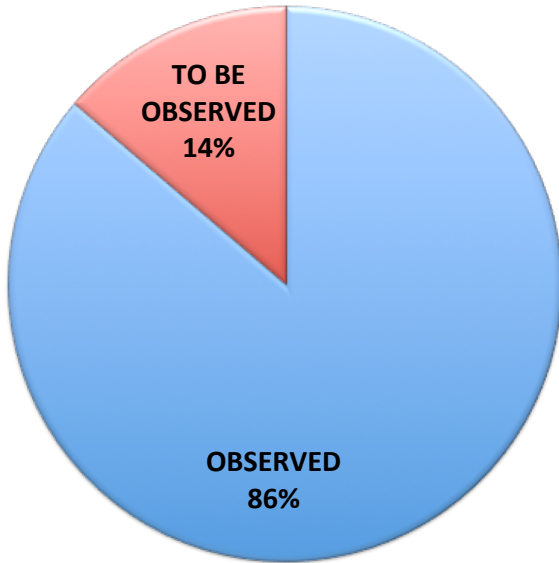
- 37 projects completed – 1470 hours observed successfully
- 5 projects not completed
 - LC1_039 (EoR): severely affected by LTA issues and ionospheric scintillation during the past winter
 - LC1_20,051: required special support by COBALT team members
 - LC1_052 (LOTAAS): severely affected by oscillating tiles at the beginning of the year
 - LC1_057: made progress, but could not be completed



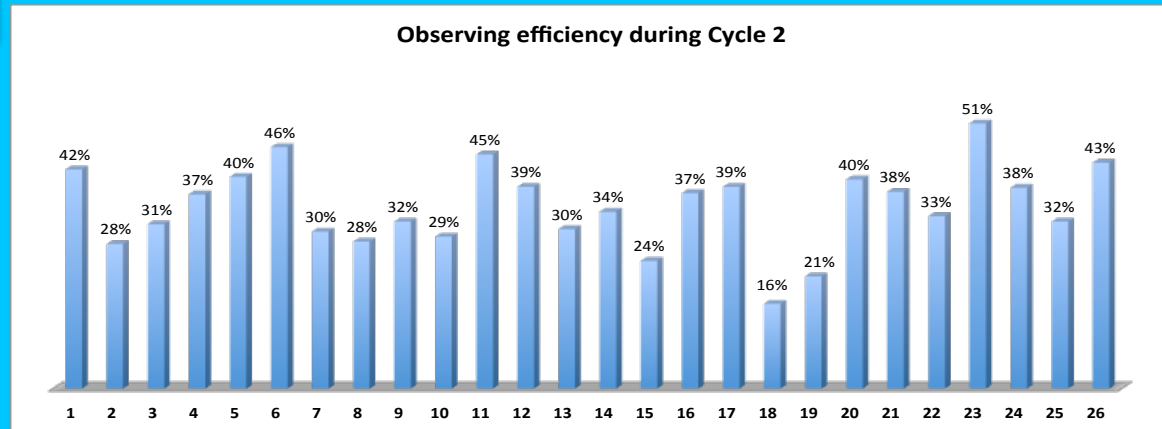
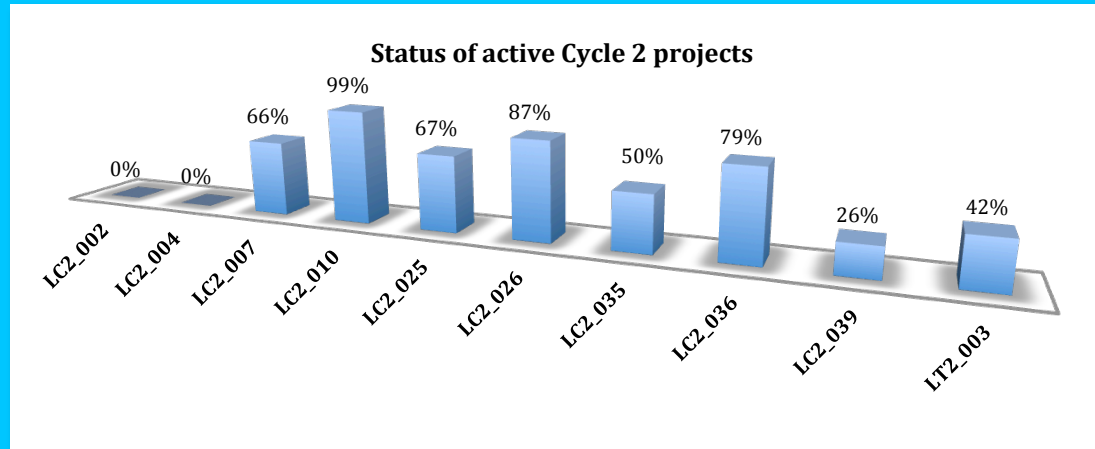
News regarding the observing system: CYCLE 2



STATUS CYCLE 2

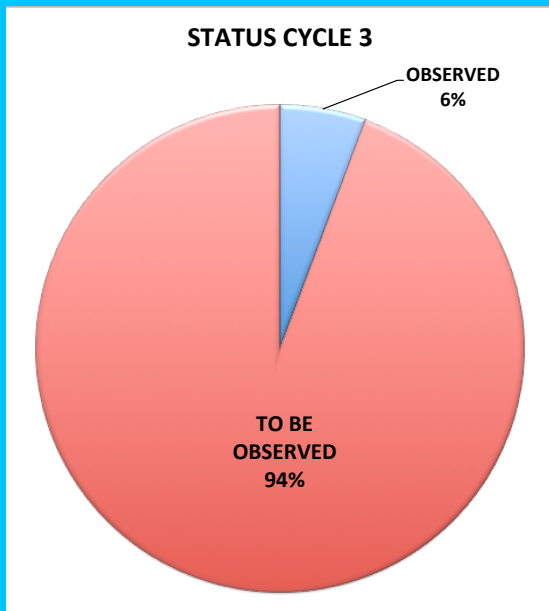


- 35 projects completed – 1390 hours observed *successfully*
- Still active projects will continue with second priority during Cycle 3
- 42 hours are ToO



News regarding Cycle observations

CYCLE 3



Week 48	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 Issues	MAINTENANCE
Approximate LST		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3				
24	Mon	Stress system run + ioS/TBB runs LC3_028 - EoR 3C196				Stress system run + ioS/TBB runs				Network test CBT				Stress system run + ioS/TBB runs				LC3_001 - M31 -10.5hrs				Manu	Arno	CEP1 off					
25	Tue	LC3_001 - M31 -10.5hrs				Stress system run + ioS/TBB runs LC3_014 - LOTAAS				Stress system run + ioS/TBB runs				LC3_028 - EoR NCP				-	Pieter		HAK maintenance CS001.2,3,4,11,13,17,21,24								
26	Wed	LC3_028 - EoR NCP				Stress system run + ioS/TBB runs LC3_014 - LOTAAS				station calibration -- mode5 + ioS/TBB runs								Manu	Jan David	28-11 22:00- 27-11 05:00 UT 601,602,603									
27	Thu	Stress system run + ioS/TBB runs		DDT2_004 - 2.5h		Stress system run + ioS/TBB runs				STATIONTEST								Manu	Nico	27-11 00:00 - 05:00 Groningen - Juelich down All German stations									
28	Fri	Stress system run + ioS/TBB runs LC3_028 - EoR 3C196				Stress system run + ioS/TBB runs LC3_014 - LOTAAS				Stress system run + ioS/TBB runs LC3_032 - J2051-0827 - 2.8hrs				Stress system run + ioS/TBB runs				CT	??	27-11 22:00 - 28-11 06:00 German stations									
29	Sat	Stress system run + ioS/TBB runs				LC3_014 - LOTAAS				Stress system run + ioS/TBB runs				LC3_028 - EoR NCP				RB (RP)											
30	Sun	LC3_028 - EoR NCP				Stress system run + ioS/TBB runs				LC3_001 - 19h 15		Stress system run + ioS/TBB runs		LC3_001 - 19h 22		Stress system run + ioS/TBB runs		LC3_001 - 19h 23		Stress system run + ioS/TBB runs		RB (RP)							
e-VLBI session 2 December 09:00 UTC to 3 December 13:00 UTC																													
Week 49	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 Issues	MAINTENANCE
Approximate LST		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4				
1	Mon	Stress system run + ioS/TBB runs LC3_028 - EoR 3C196								LC2_039 - J1810+1744 - 4.2hrs				LC3_014 - LOTAAS				Manu											
2	Tue					STOP DAY				LC3_028 - EoR NCP								RAF		Hak maintenance 1,2,3,4,11,13,17,21,24									
3	Wed	LC3_028 - EoR NCP								LT3_001 - Pulsar Timing								CT											
4	Thu	LC3_028 - EoR 3C196				Swapping network cards at Surftnet				LC2_039 - J2129-0428 - 8.9hrs				LC3_028 - EoR NCP				RAF	Link to Sara down complete day	Cancelled LOTAAS to facilitate swapping network cards at Surftnet (ing Groningen/AMM will be down from 9 am till 10 am 11)									
5	Fri					LC3_014 - LOTAAS												RAF											
6	Sat	LC3_028 - EoR NCP												LT3_001 - Pulsar Timing				JS (M)											
7	Sun	LT3_001 - Pulsar Timing								LC3_014 - LOTAAS								JS (M)											

- Detailed Cycle 3 schedule available here:
- <https://docs.google.com/spreadsheets/d/1jDWvZmpH0ycusJTwbSMU6SxQYK5efawtk0jHSxMbo9M/pubhtml>
- Changes can be applied on a daily basis! Contact Science Support in case of questions/issues
- ****Always cc 'sciencesupport@astron.nl' and include the proposal code in the subject line****

CEP news:



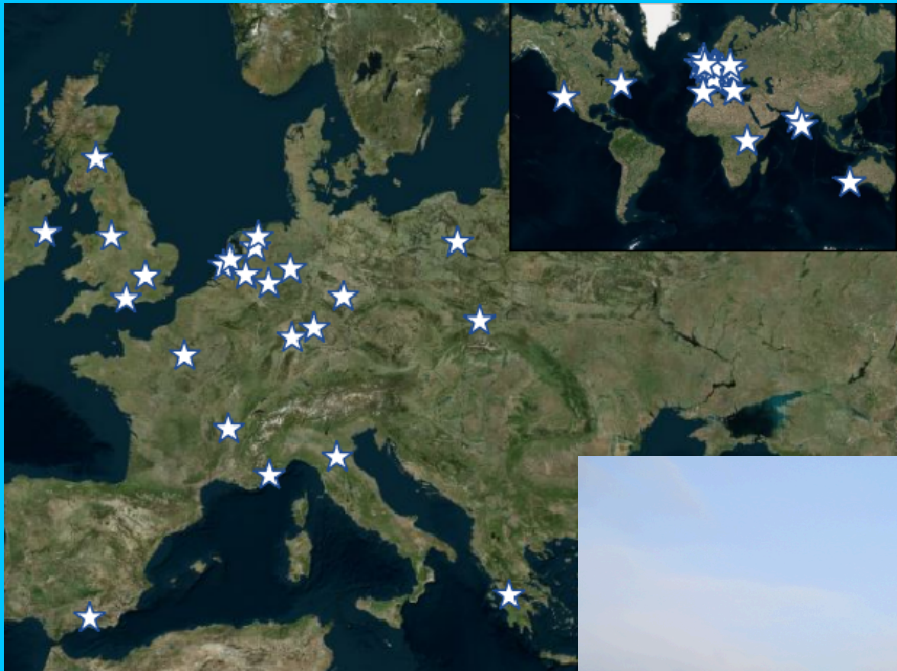
- CEP-2
 - Disk space problematic – large bunch of Pulsar and EoR data being handled in cooperation with the Pulsar and EoR groups

- CEP-3
 - Being currently used by 'limbo users'

- 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>

- CEP-1:
 - **Access to the cluster has been restricted on November 24th**

THIRD LOFAR DATA PROCESSING SCHOOL



- 48 participants from 18 countries
- Documentation -> LOFAR DATA BOOK will be published by Summer 2015



CALENDAR LOFAR activities



- Imaging Busy Week #22 : 1 – 5 December
- Next Stop day : 2 December
- Next LSM : 10 December

Note: to subscribe to the lofar-news mailing list:

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