

Programme:

- 1. Array status & Observatory update – M. Iacobelli*
- 2. COBALT status update – H. Holties*
- 3. MSSS update - G. Heald*
- 4. CITT update – T.J. Dijkema*
- 5. First results of the absolute calibration campaign at LOFAR –
T. Karskens*

Array Status

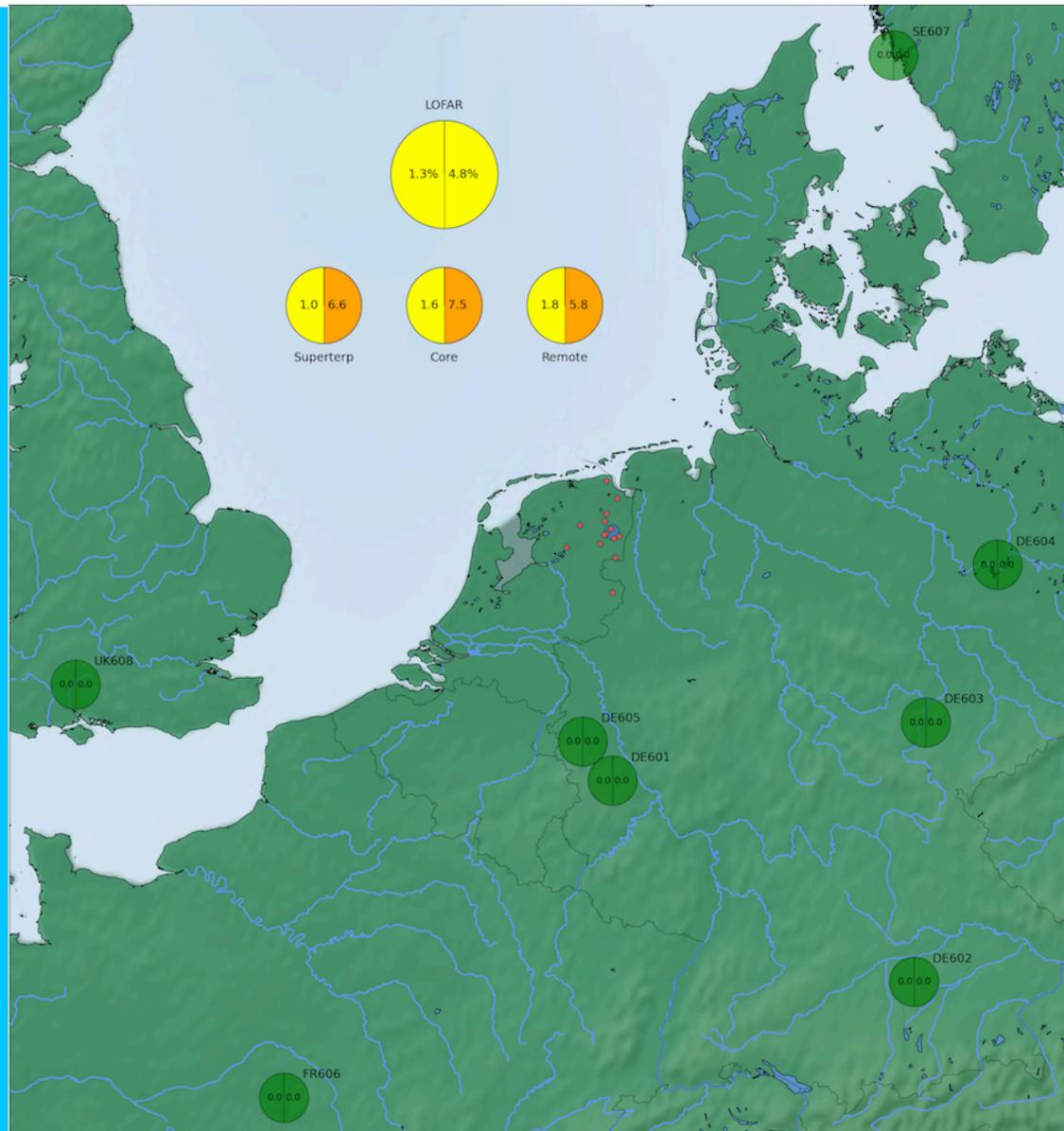


- 38 operational NL stations
 - 24 CSs
 - 14 RSs
- 8 Is
- Maintenance/Repair ongoing on several stations
- Connection problems at stations CS013, CS501 solved by Klaas and system support in Groningen
- Stations CS007,CS026,CS103,RS210,RS306 are affected by high temperatures in the cabinets.
- International stations high rate of flagging: testing heavy data transport to Jülich vs stations performance.
- DE601: amplitude much higher than others international stations: investigations ongoing.

Overview, including IS

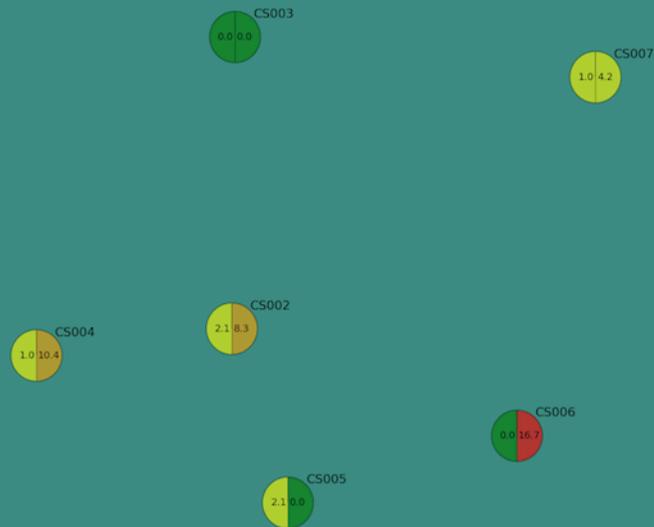
LBA: 1.3%; HBA: 4.8%

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



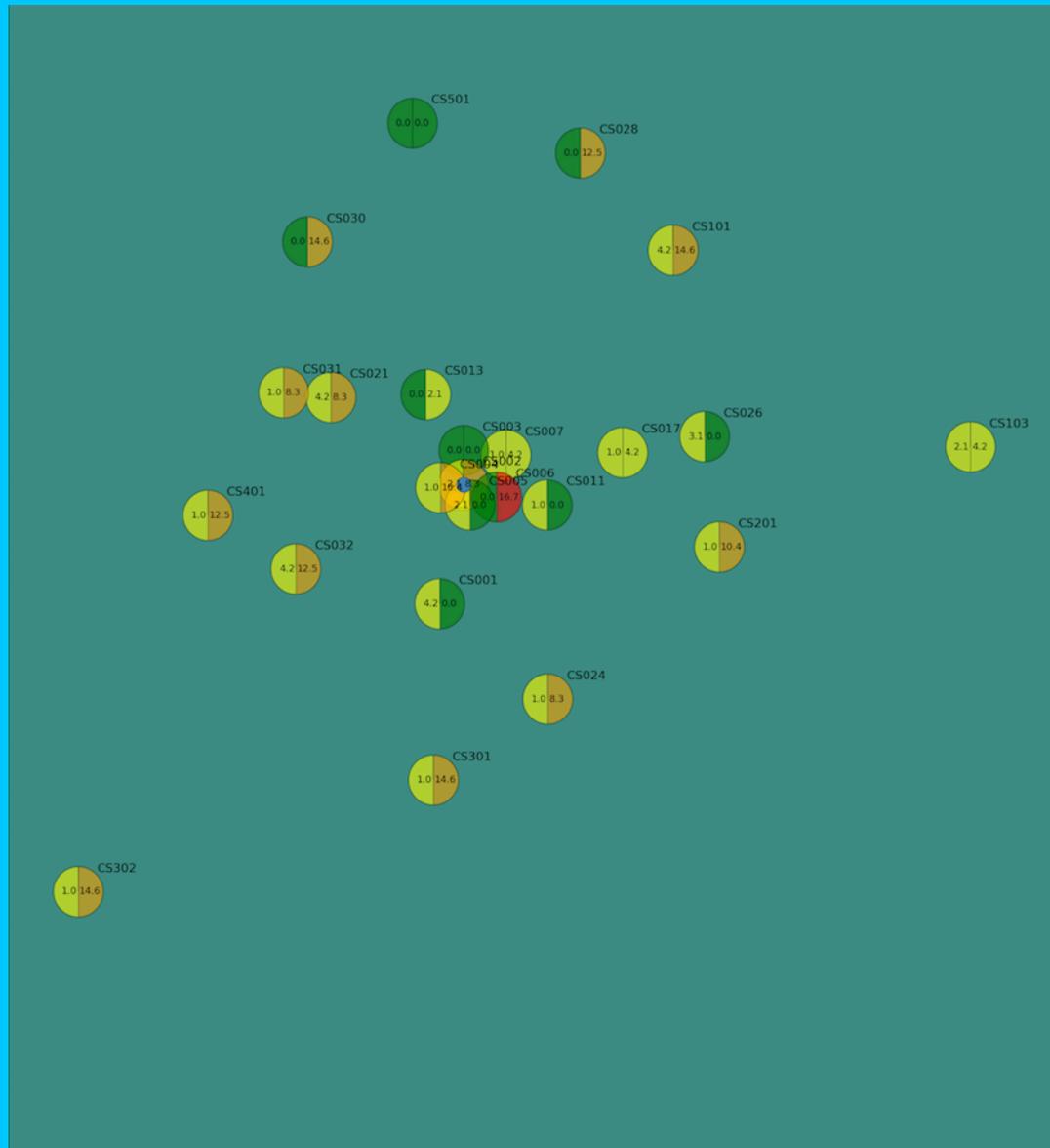
Superterp

LBA: 1.0%; HBA: 6.6%



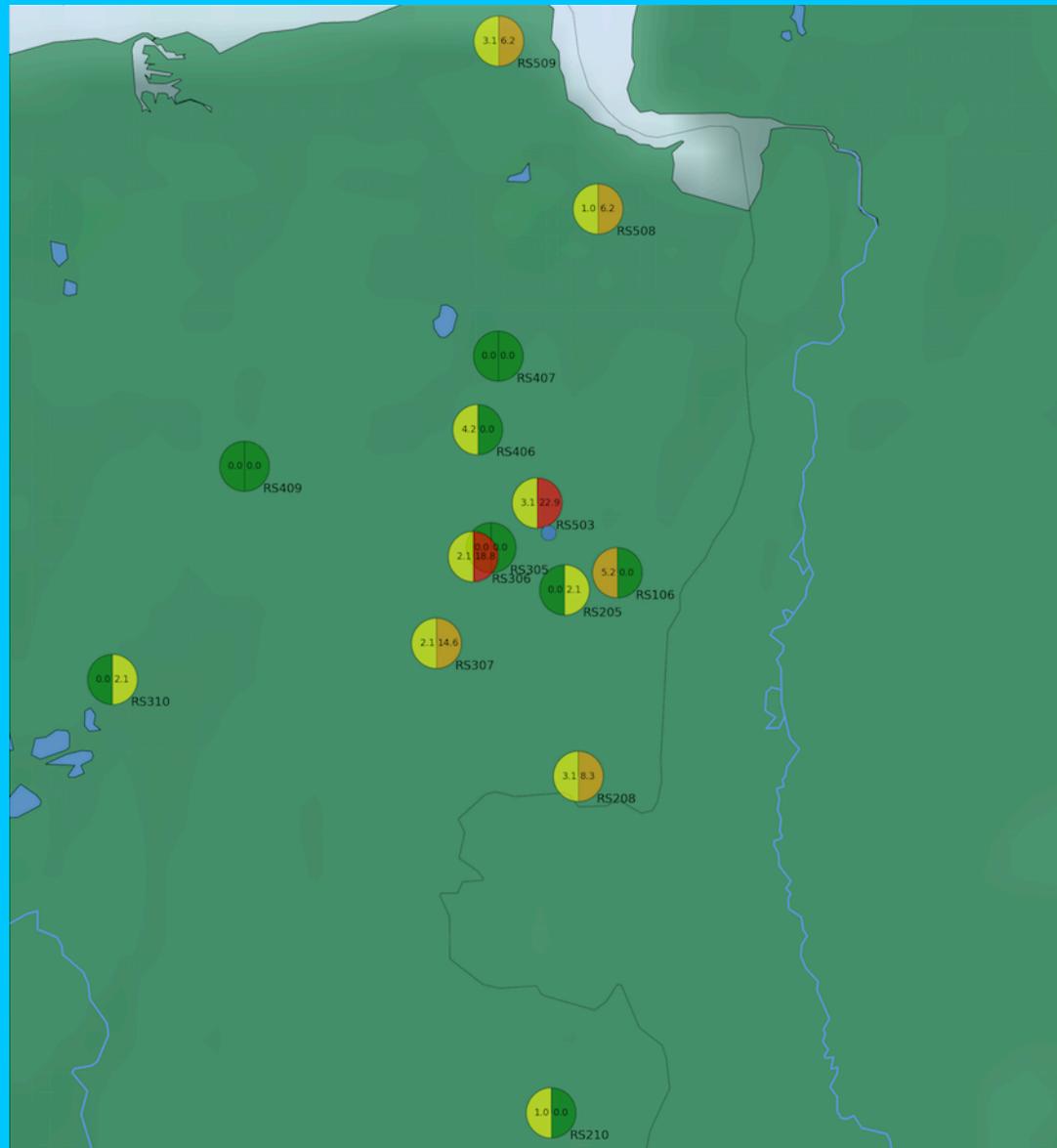
Core Stations

LBA: 1.6%; HBA: 7.5%



Remote Stations

LBA: 1.8%; HBA: 5.8%



News regarding the observing system



- Station calibration:
 - Today installation of tables:
 - Mode 7: CS+RS
 - Mode 3: Superterp
 - The rest of mode 3 and 7 tables for the international stations need some manual flagging
 - For further details see <http://www.astron.nl/radio-observatory/astromers/current-status>
- System performed relatively fine during the last two weeks – COBALT being used for correlator and BF mode successfully
- Issue related to Pulsar gridding observations -> with COBALT all beams point towards the same position in the sky - solved
- FE observations with COBALT ran into problems. Jan David examining the log files

News regarding the observing system

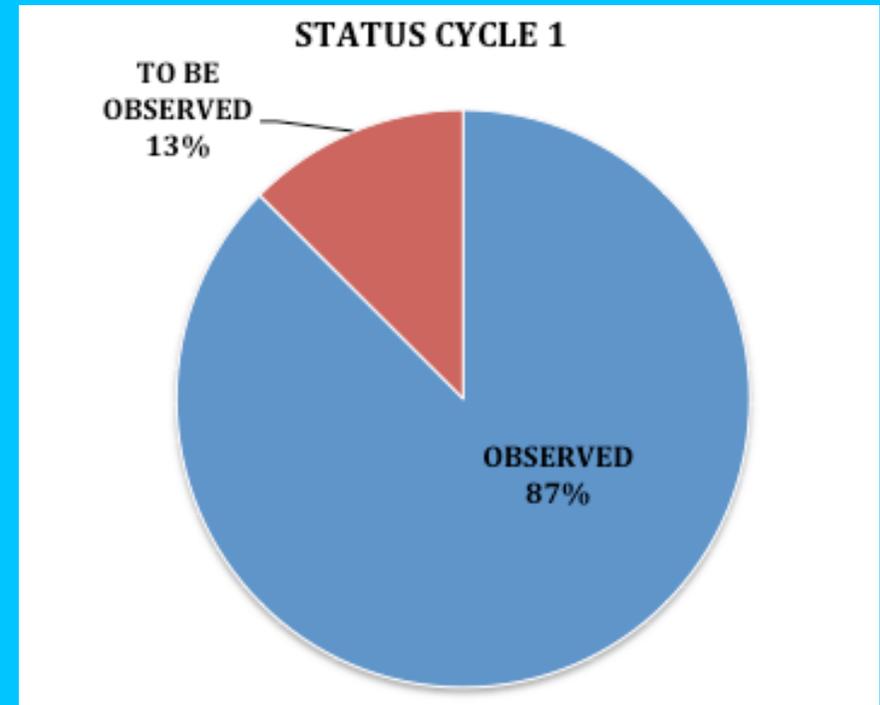
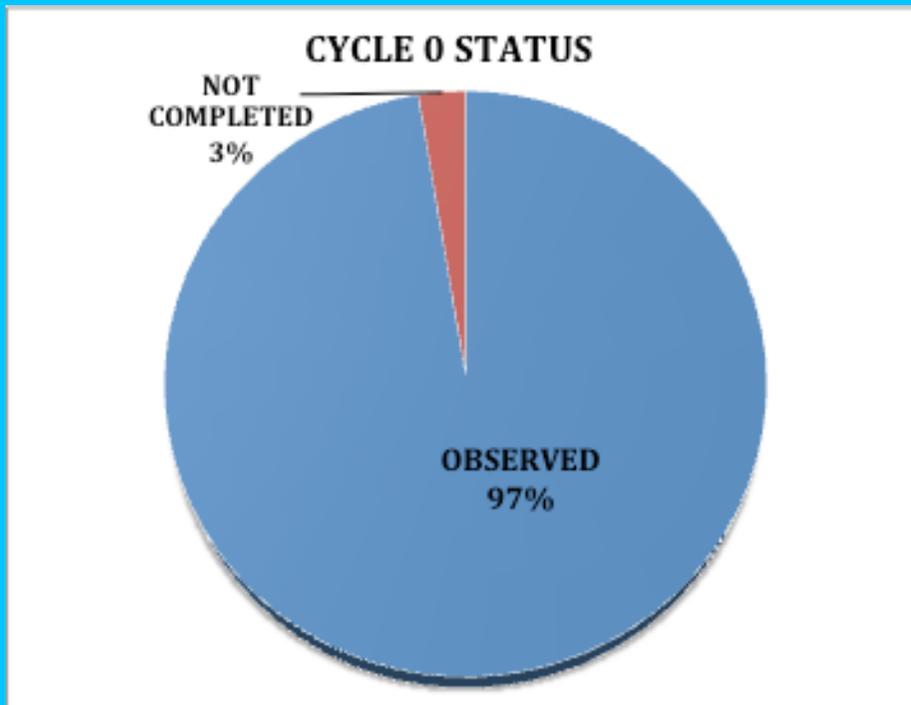


- Observations aborted at the end: the observatory can fix this issue with a script properly adding metadata
- Some observing and processing setups cannot be supported by the current system; e.g. the demixing of 3 A-team sources
- Pipelines: no long processing queue but processing had some delays due to
 - a few failures experienced during the past 2 weeks -> hanging locus nodes – rebooted

News regarding the observing system: Cycle 0/1 Observations



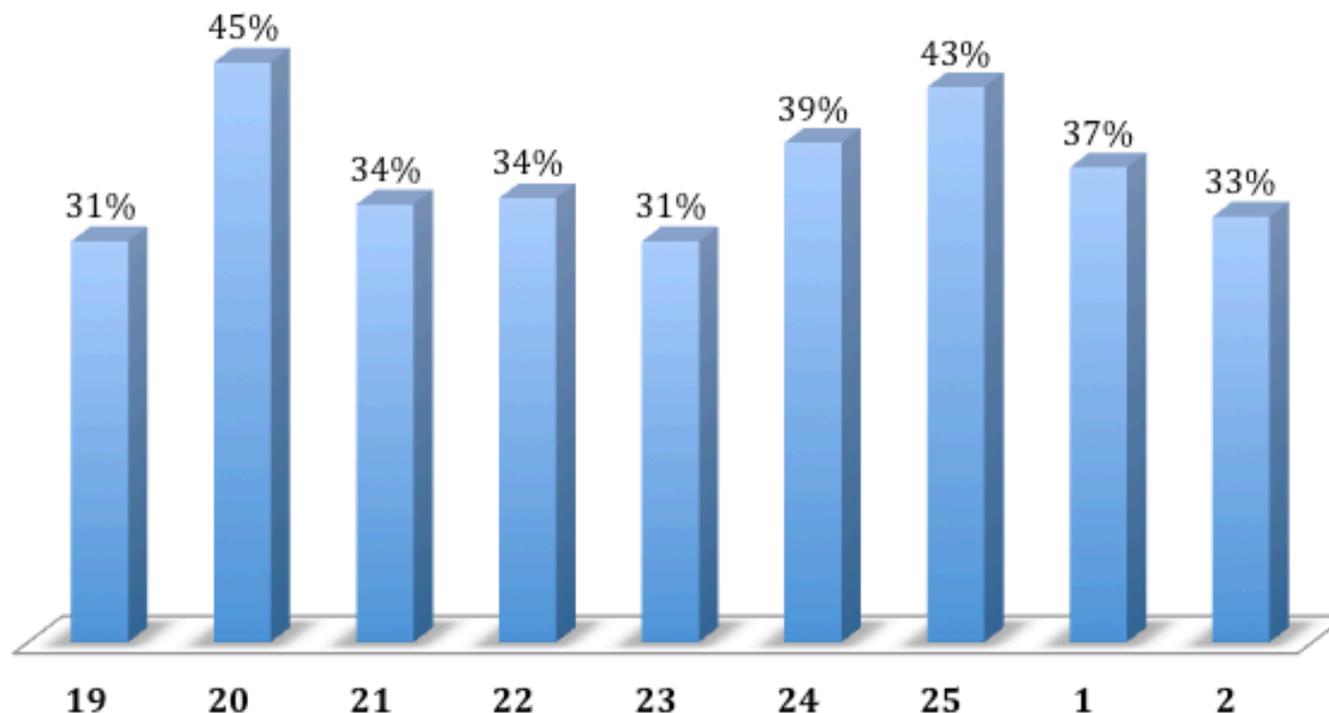
- 37 projects completed – 2320 hours observed *successfully*
- 1 project not finished → will not continue during Cycle 2
- 35 projects completed – 1400 hours observed *successfully*
- Some projects not finished → will continue during Cycle 2



News regarding the observing system: Cycle 2 Observations

- 45 projects accepted – Observing -> 1612 h – Processing -> 1702 h
- Minor observing failures → 7-8% observed over past 2 weeks
- MSSS HBA completed!

Observing efficiency during the last 2 months



News regarding Cycle2 observations



		MB	WF	RAF	EO	CT	MI	ALL																									
		Michiel	Wilfred	Richard	Emanuela	Carmen	Marco		Internationa																								
Week 21	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	Duty							
		Approximate LST																															
May	19 Mon	LC2_024 - LST 16	Stress system runs + TBB runs				LC2_032 - LST 22	COBALT TESTING; all international				LC2_032 - LST 2.7	international stations tests	LC1_057 - Cab	International stations tests + stress system runs				LC2_024 - Elais N1 - 8hrs				CT										
	20 Tue	LC2_024 - Elais N1 -			International stations tests + stress system runs; FR806 switched to ILT mode												COBALT	stress			LC2_024 - Elais N1 -				CT								
	21 Wed	LC2_024 - Elais N1 - 8hrs			International stations tests + stress system runs				COBALT pulsar test	COBALT test				LC1_057 - Cab	International stations tests + stress system runs	COBALT pulsar test	International stations tests + stress system runs			LC2_042 - ARP220 - 7hrs -- FAILED				CT									
	22 Thu	LC2_042 - ARP220 - 7hrs -- FAILED			International stations tests + stress system runs; SE607 to local mode at 9 UT				COBALT pulsar test	International stations tests + stress system runs; SE607 to local mode at 9 UT				COBALT pulsar test	International stations tests + stress system runs			LC2_024 - Elais N1 - 8hrs				MI											
	23 Fri	LC2_024 - Elais N1 - 8hrs			International stations tests + stress system runs				COBALT pulsar test	COBALT TESTING; all international stations (except DE604 and SE607) to local mode at 9 UT				LC1_057 - Cab	Stress system runs	LC2_038 - HEXDET03 - 8hrs										MI							
	24 Sat	Stress system runs + TBB runs																							LC2_003 - LOTAAS -- CANCELLED	Stress system			LC2_015 - NCP -				GK (MI)
	25 Sun	LC2_015 - NCP - 5hrs			Stress system runs + TBB runs												LC1_057 - Cab	Stress system runs	LC2_038 - HEXDET04 - 8hrs				GK (MI)										
Week 22	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	Duty							
		Approximate LST																															
May	26 Mon	Stress system runs + TBB runs												All international stations (except DE604) switched to ILT mode at 9 UTC; international stations tests				LC2_024 - Elais N1 - 8hrs				-											
	27 Tue	LC2_024 - Elais N1 - 8hrs			International stations tests + stress system runs + COBALT testing				LC1_057 - Cab	International stations tests + stress system runs				LC2_042 - ARP220 - 7hrs -- REPETITION				CT															
	28 Wed	LC2_042 - ARP220 - 7hrs -- REPETITION			International stations tests + stress system runs + COBALT testing												LC2_038 - HEXDET05 - 8hrs				CT												
	29 Thu	International stations tests + stress system runs												LC1_057 - Cab	International stations tests + stress system runs				LC2_024 - Elais N1 - 8hrs				HOLIDAY										
	30 Fri	LC2_024 - Elais N1 -			International stations tests +				COBALT testing; all				Stress system			LC2_038 - HEXDET06 - 8hrs				MI													
	31 Sat	LC2_038 - HEXDET06 - 8hrs			Stress system runs + TBB runs												LT2_003 - LOTAAS				LC2_009 - NGC5033 - 8hrs				VLBI (CT)								
	1 Sun	Stress system runs + TBB runs												LC1_057 - Cab	stress system runs	LC2_038 - HEXDET07 - 8hrs				VLBI (CT)													

- Detailed Cycle 2 schedule available here:
- <https://docs.google.com/spreadsheet/pub?key=0AtnmDczhIbEtdF9TT3RnX0xOSEZ1TWtOaWdILUVIVXc&output=html>
- Contact Science Support in case of questions/issues
- **Always cc 'sciencesupport@astron.nl' and include the proposal code in the subject line**

News regarding the observing system : Archive



- Smooth operations with some delays with the ingest of data because of tests ongoing to check the impact of data transfer on the international stations

CEP news:



- CEP2
 - Several locus nodes hanging

- CEP-3
 - Delays in the commissioning of the new cluster. Current timeline: cluster installed in early June; CEP3 available to users at the end of June/beginning of July. More info at the next LSM.

- CEP 1 users:
 - **BACK UP YOUR DATA ELSEWHERE OR GET IN TOUCH WITH SCIENCE SUPPORT AT sciencesupport@astron.nl IF YOU WOULD LIKE TO REQUEST TRANSFER OF DATA TO CEP3 AND HAVE NOT YET DONE SO**

- 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>

CALENDAR LOFAR activities



- Next LSM : 11 June 2014
- Next Stop day : 3 June 2014
- Cycle 3 proposal call : July 2014
- Cycle 3 proposal submission deadline : **Wednesday** 10 September, **12 UT**