



**Please mute your
microphones & disable your
webcams**

Programme:

- 1) *Array status - H. Munk*
- 2) *RO update - E. Orru'*
- 3) *The LOFAR network reconfiguration - M. Brentjens*
- 4) *Fitting and testing ionospheric phase screens with MSSS data - D. Rafferty*
- 5) *Exploitation of LOFAR surveys to study galaxy clusters - F. de Gasperin*

Array Status

- 38 operational NL stations
 - 24 CSs
 - 14 RSs
- 8 ISs
- Storm damage: see next slide

Next stop day

- November 5

Storm Damage October 27-28



- NL stations (wind speeds up to 24 m/s, gusts up to 34 m/s*):
 - 8 HBAs: top covers blown off, lids blown off (on 6 different stations)
 - In addition: 64 HBA top covers loose on 15 stations
 - 23 LBAs (on 4 different stations) damaged (RS508: 20!)
 - In addition: 5 LBAs down: repaired
- All HBA damage has been repaired or is being repaired
- LBA damage secured (coax cables): LBAs will be replaced later

- ISs
 - DE601: no damage
 - SE607: no damage (despite gusts up to 38 m/s)
 - UK508: 1 HBA top cover loose, one LBA down

 - DE602: no storm

 - No reports from the other ISs

*Source: KNMI

Network, CEP Status



See presentation by Michiel Brentjens

- Dutch array operational
- Last week problems with:
RS508 RS503 RS306 RS307 to be fixed
CS013 CS021 fixed now
- Not operational with ILT due to capacity problems. It will be investigated after 11 UT today when IS are back in ILT mode

STATION CALIBRATION

New mode 5 tables will be installed on RS after the LSM

News regarding observations and commissioning

- project were suspended until 23-10-2013.

Week number	week day	Week 43, 21st October																						
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
43, 21st October	Mon	Station test											SYSTEM UNAVAILABLE											
	Tue	SYSTEM UNAVAILABLE																						
	Wed	SYSTEM RECOVERY											SYSTEM RECOVERY											
	Thu	LC0_019 (EoR) 12h NCP						SYSTEM RECOVERY						LC0_019 (EoR) 12h NCP										
	Fri	LC0_019 (EoR) 12h NCP						Stress system runs and TBB runs						LC0_028 - Cygnus A - 4hrs				Stress system runs and TBB runs		LC0_007 - Ups And - 2hrs				
	Sat	Stress system runs and TBB runs	LC0_002 - Jupiter - 2hrs 01:00-03:00		Pulsars						Stress system runs and TBB runs				DDT0001 - M33 - 10hrs									
	Sun	DDT0001 - M33 - 10hrs			LC0_003 - PanSTARRS		Stress system runs and TBB runs	Pulsars						LC0_043 - M33 -10 hrs HBA										
44, 28th October	Mon	LC0_043 - M33 -10hrs					Stress system runs and TBB runs; DE601, DE602, DE603, DE605, FR606, SE607, UK608 switched to local mode at 9 UTC						LC0_019 (EoR) 12h NCP											
	Tue	LC0_019 (EoR) 12h NCP						Stress system runs and TBB runs						LC0_003: zenith strip 24 hrs										
	Wed	LC0_003: zenith strip 24 hrs; DE601, DE602, DE603, DE605, FR606, SE607, UK608 switched to ILT mode at 9 UTC											Stress system runs and TBB runs				Pulsars							
	Thu	Pulsars		LC0_013 - Yz CMI - 3 hours			SETI	Stress system runs and TBB runs			DDT_002 - Cas/Cyg - 10hrs						SETI	Stress system runs and TBB runs						
	Fri	Stress system runs and TBB runs	LC0_002 - Jupiter - 2hrs 01:00-03:00		LC0_013 - Yz CMI - 3 hours			Stress system runs and TBB runs						MSSS-8h										
	Sat	MSSS - 8hrs						Stress system runs and TBB runs												LC0_04 - J0332+ - 2hrs				
	Sun	LC0_04 - J0332+ - 2hrs	Stress system runs and TBB runs		LC0_003 - PanSTARRS		Stress system runs and TBB runs			Pulsars						Stress system runs and TBB runs								

News regarding observations and commissioning

- Few DDT projects have been cancelled due to the delay generated by the network reconfiguration. PIs have been informed.
- Cycle 0 projects that will not be finished in time will be postponed to Cycle 1 with lower priority.
- LOFAR PC meeting last week assigned 1605 observing hours for Cycle 1. PIs have been preliminary informed. Detailed reports from the PC will be distributed in the next weeks. If not 100% of requested observing time was granted, PIs will be requested to provide a list of selected targets within one week from the notification email.

CEP news:

CEP2

- Cleaning up as much as possible in view of Cycle 1.
- locus071 two broken disk. Investigation on going.

CEP1

- Remove your intermediate data and back up as much as possible.

BUG REPORTED:

Affects old systems, e.g. Ubuntu 10.04.

The issue is that some conversion between numpy and python types do not work properly.

CEP computers seem to have sufficiently new versions, but it is possible that people are still using older systems where things may go wrong.

- Operational again after the network problems
- Script to ingest PSR data is ready to be tested
- Problems to transfer data to Manchester under investigation

CALENDAR of requested busy weeks and other LOFAR activities

- 4 Nov Roll out (Monday)
- 5 Nov Stop day (Tuesday)
- 13 Nov Next LSM
- 14 Nov End of Cycle 0
- 15 Nov Start of Cycle 1

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