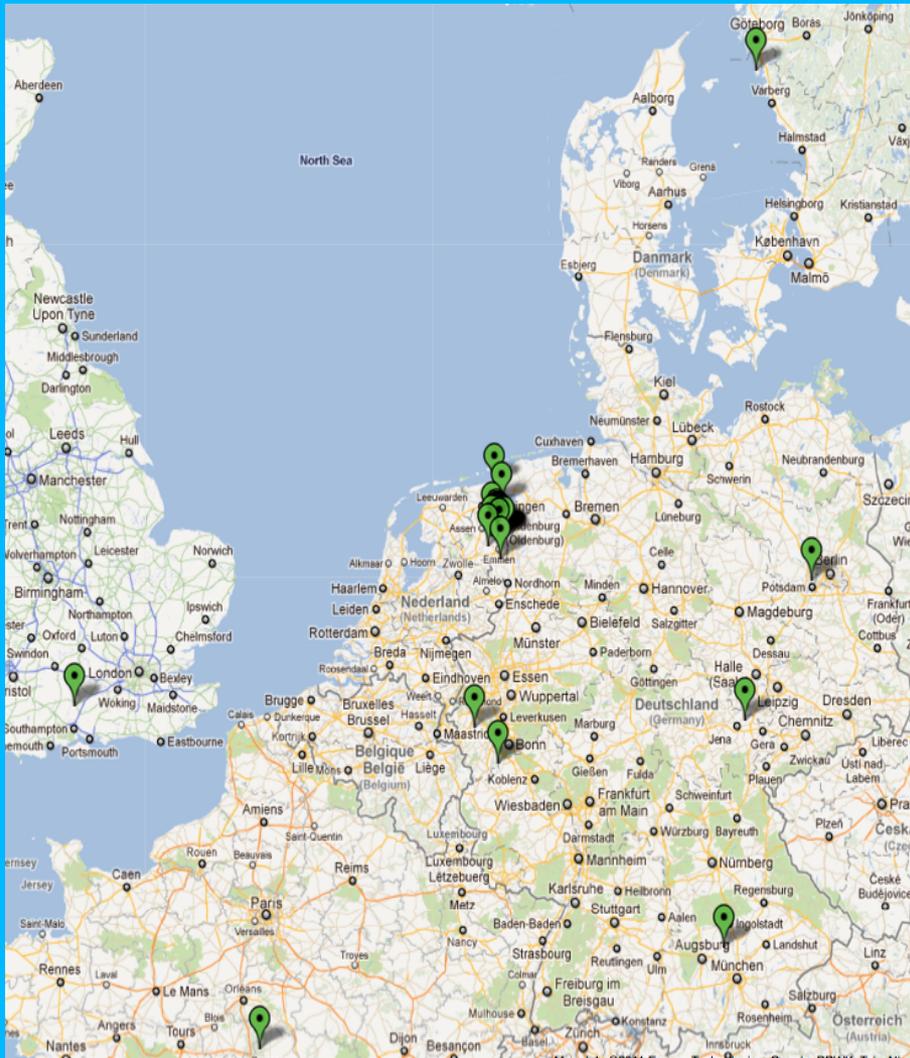


Please mute your  
microphone and turn off  
your webcam

## Programme:

- 1. Array status – H. Munk*
- 2. Observatory update – R. Fallows*
- 3. COBALT status update - M. Brentjens*
- 4. MSSS status update - G. Heald*
- 5. Correcting for ionospheric effects in MSSS data - D. Rafferty*
- 6. Deep imaging with LOFAR - R. van Weeren*

# Array Status



- 38 operational NL stations
  - 24 CSs
  - 14 RSs
- 8 ISs
- TDS-boards on RSs being exchanged, 6 stations to go.
- CS007: broken power supply, replaced
- CS401: power supply problem, replaced
- Stationtest now includes testing @160MHz

# Network, CEP Status



## Network

- No issues

## February 4: Stop day 'light'

### BG/P

- Three broken compute cards:
  - Occurred Friday, January 24, replaced on Tuesday, January 28
- No issues during stop day

### Cobalt

- Stop day: software upgrades

### CEP-I/II

- No issues

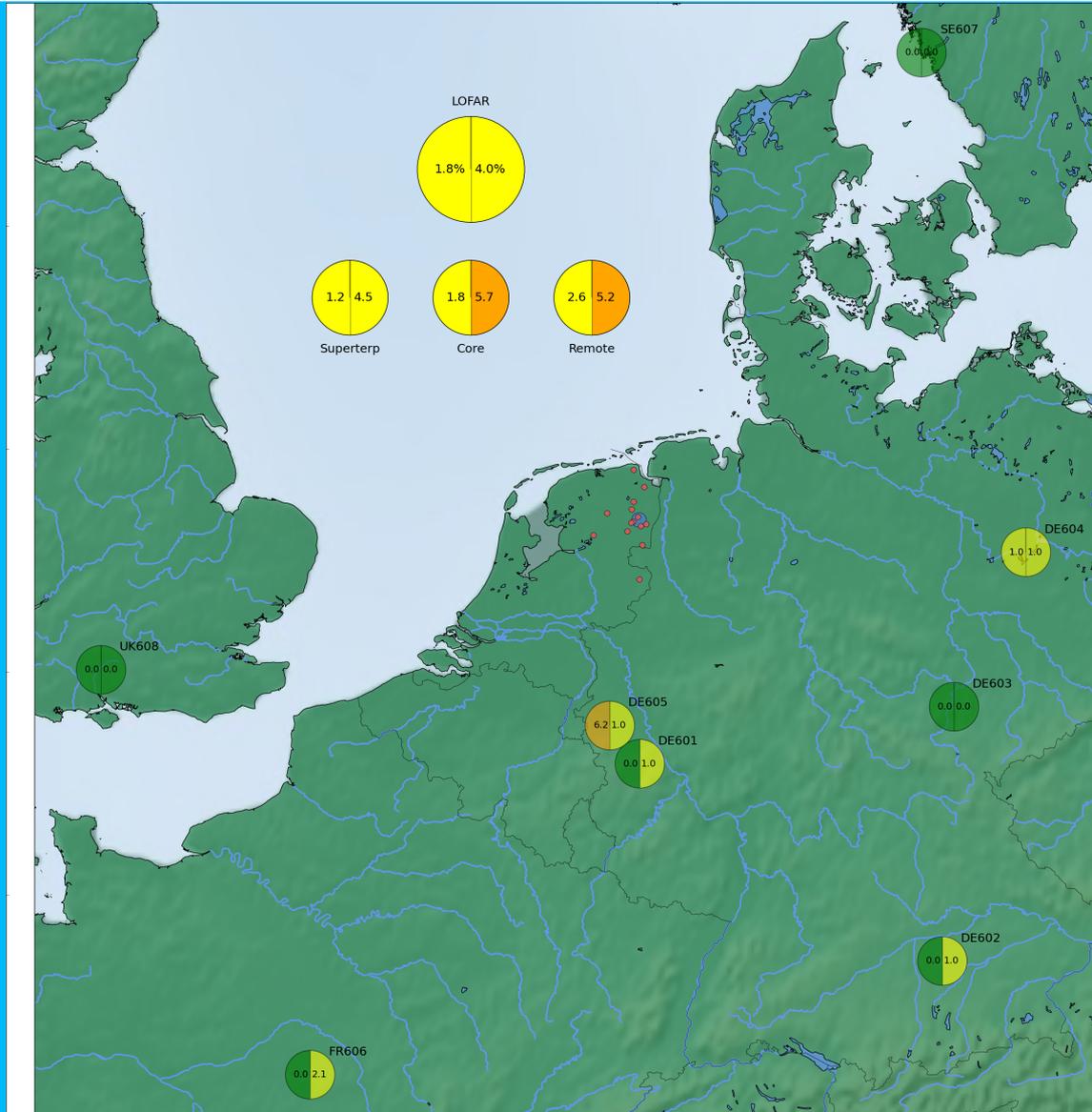
### •CEP-III

- installation ongoing

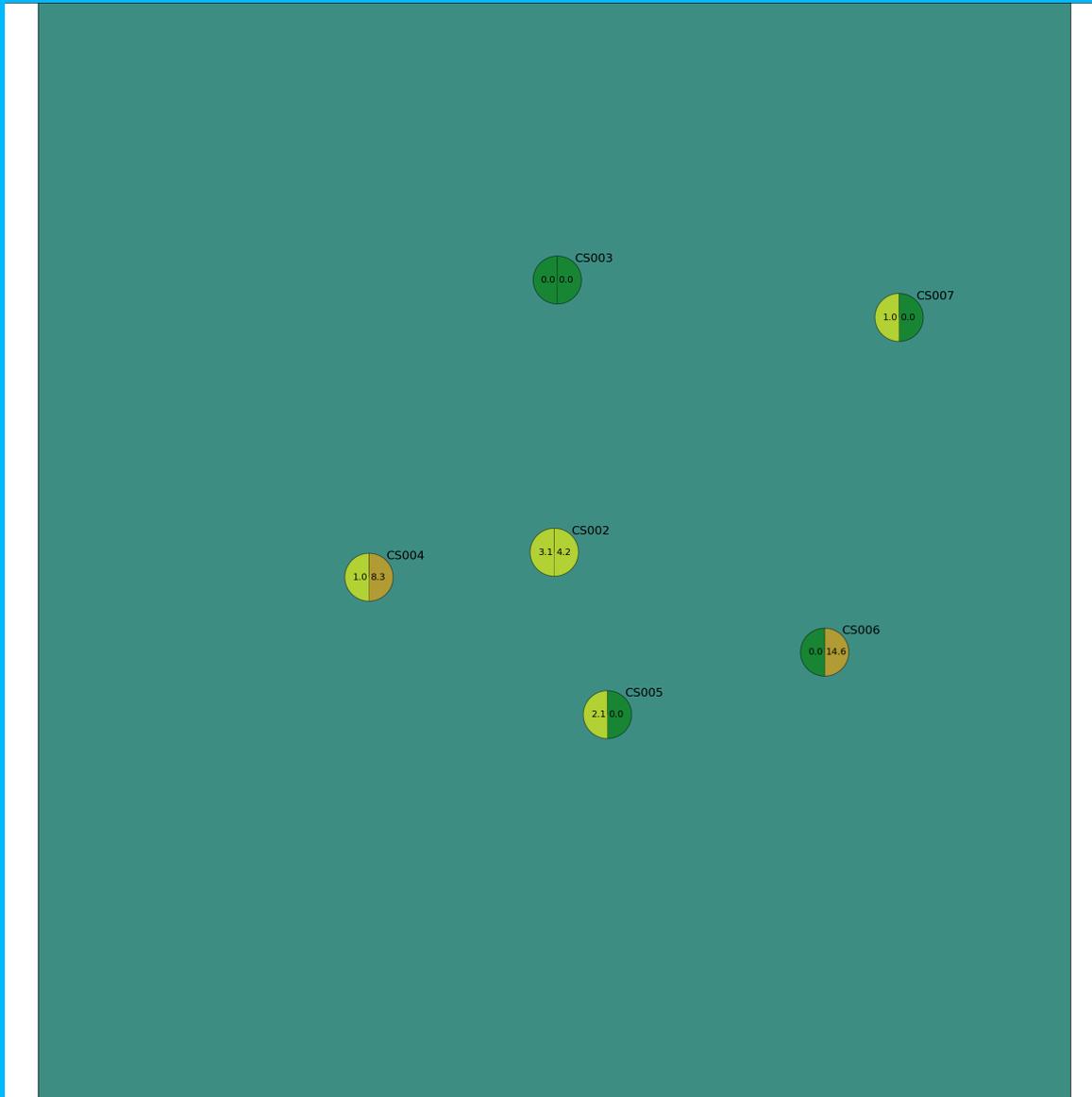
## Next stop day

- March 4, 2014

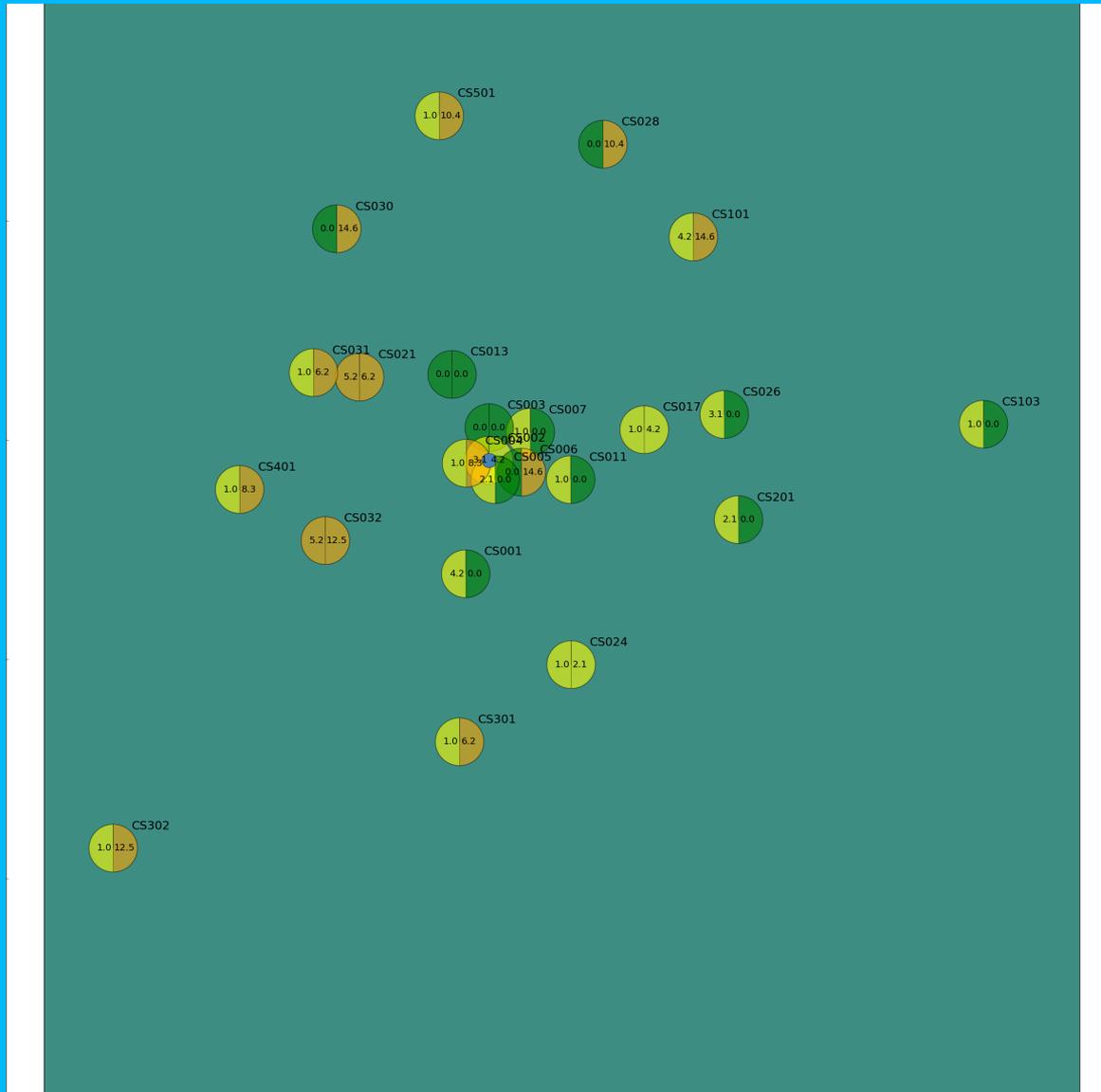
# Overview, including IS



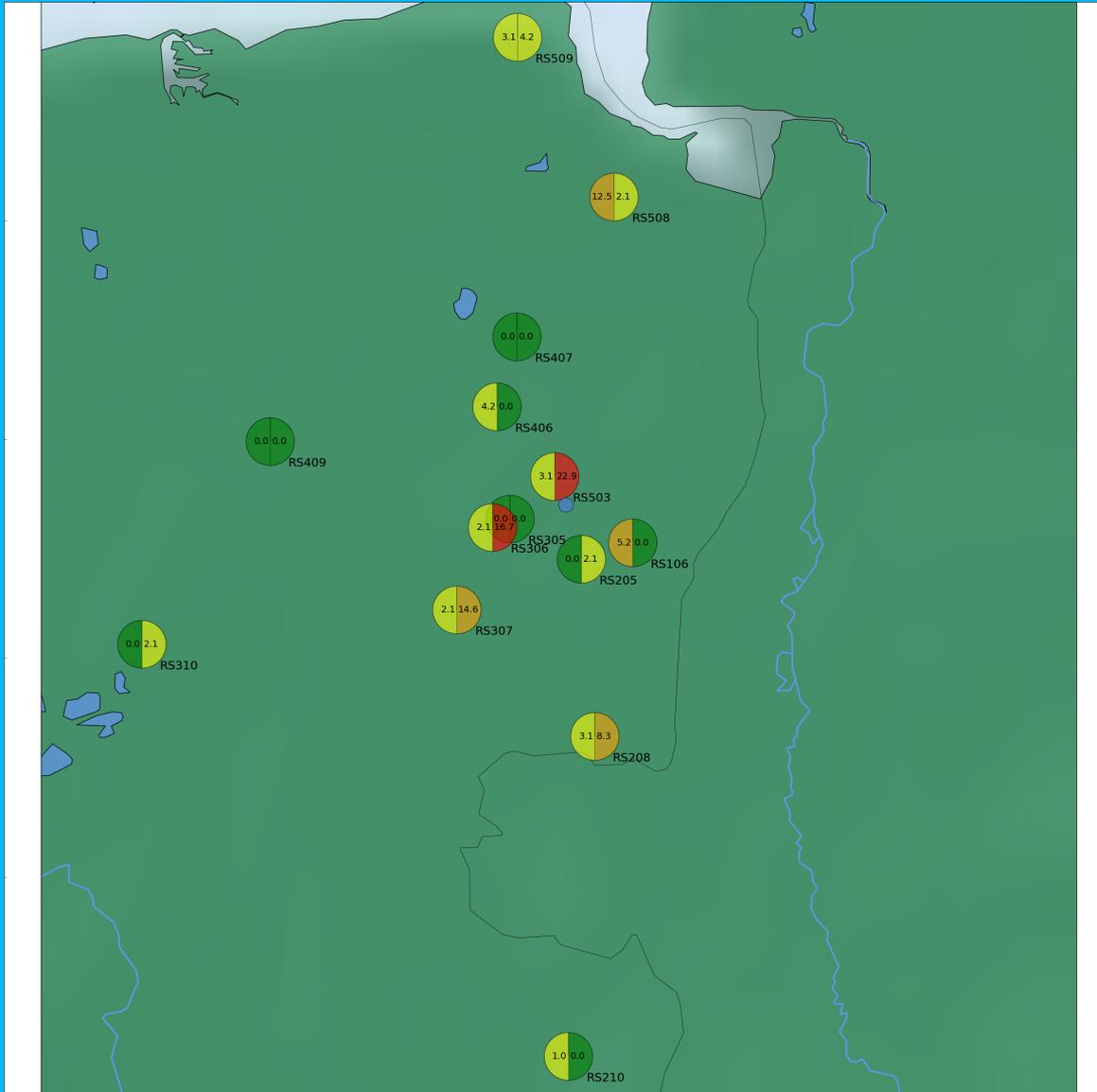
# Superterp



# Core Stations



# Remote Stations



- Calibration:
  - Mode 5 (110-190 MHz) data taken on all stations Monday morning. Retrieval from international stations has to wait until back to ILT mode tomorrow.
  - Mode 3 (LBA) data being taken on remote stations today.
  - Modes 1 (LBA) and 7 (210-270 MHz) scheduled for later in the week.
  - Stations will be updated with new tables at the earliest opportunity.

# News regarding the observing system



- Observations involving the 160 MHz clock now being included in regular validation runs at least once each week. Please note that this mode is not yet available to users.
- COBALT: Every effort is being made to make it ready. Expected to be adopted for interferometric observations very soon.
- Ionospheric scintillation: This has been affecting observations recently leading to the loss of some EoR data.
- LTA: Generally stable recently. First-time users may need to change their password before being able to access the LTA. Check your spam filters for an email!!! Constructive suggestions for improvement are always welcome.

# News regarding the observing system



- Development: Next software roll-out Monday 10<sup>th</sup> February.
- Network reconfiguration:
  - Now planned for 12<sup>th</sup> – 23<sup>rd</sup> May
  - RO will ensure that pipelines and ingests for last few observations of Cycle 1 are completed before this starts.

# Cycle Observations

<https://www.astron.nl/radio-observatory/lofar/cycle-1-schedule/cycle-1-schedule>

Week 6	day	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	3	Mon	LC1_035 - RRAT J0741+41	station calibration --mode 5					Software testing (provisional) + COBALT testing; all international stations switched to ILT mode at 9 UTC							Night prepara	LC1_027/035 - Monthly Pulsars - all LSTs				LC1_039 (EoR) - 3C196				
	4	Tue	LC1_039 (EoR) - 3C196	Stress system runs and TBB runs				Stop Day										LC1_039 (EoR) - NCP							
	5	Wed	LC1_039 (EoR) - NCP					LC1_027/035 - Monthly Pulsars - all LSTs							LC1_055 - Orion - 6hrs - REPEAT										
	6	Thu	LC1_027/035 - Monthly Pulsars - all LSTs; all international stations switched to local mode at 9 UTC							Software testing (provisional) + COBALT testing				Night prepara	LC1_039 (EoR) - NCP										
	7	Fri	LC1_039 (EoR) - NCP					Stress system runs	LC1_023 - LSTs 16, 18	Stress system runs and TBB runs				LC1_023 - LSTs 22	Station test		LC1_023 - LSTs 02,07	LC1_035 - RRAT J0741+41	LC1_020 - Crab - 0.5hrs	LC1_039 (EoR) - 3C196					
	8	Sat	LC1_039 (EoR) - 3C196	station calibration -- mode 7					LC1_052 - LOTAAS - 10hrs										LC1_027/035 - Monthly Pulsars - all LSTs	MSSS	LC1_027/035 - Monthly Pulsars - all LSTs	LC1_033 - PanSTARRs - 2hrs			
	9	Sun	MSSS	LC1_027/035 - Monthly Pulsars - all LSTs			MSSS	Stress system runs	LC1_035 - RRAT J1537+23 - 1hr	Stress system runs and TBB runs				LC1_035 - 3xRRATs - 3x1hr			Stress system runs and TBB runs			LC1_039 (EoR) - 3C196					

Detailed schedule online: <https://docs.google.com/spreadsheet/ccc?key=0AtnmDczhIbEtdGQ4enZicHpGREpGYm1Pc2JrQWIZWmc&usp=sharing>

- Contact Science Support in case of issues.
- **\*\* Always cc sciencesupport@astron.nl and include the proposal code in the subject line \*\***

- Proposal call has now been advertised.
- Submission deadline:
  - **12:00 UT on Friday 7<sup>th</sup> March**
- Please ensure that you follow the proposal instructions carefully and adhere to the page limits etc given.
- Cycle 2 observations will run from 26<sup>th</sup> May to 14<sup>th</sup> November 2014.

- CEP2: Stable
- CEP1: Ice nodes becoming increasingly unstable
  - **\*\* Backup your data elsewhere! \*\***
  - Staging areas cleared every week: Data may remain there for up to four weeks only.
- CEP3:
  - Expected to become operational in the next couple of months or so.
  - Users of CEP1 need to start clearing their data: email will be sent next week
  - Users wishing to use CEP3 must make a case to do so: access will be restricted and not general.

# CALENDAR of requested busy weeks and other LOFAR activities

- Imaging Busy Week 20 taking place this week
- 7<sup>th</sup> March: Cycle 2 proposal deadline
- 7-11 April: LOFAR Users Meeting, 3<sup>rd</sup> LOFAR Science Collaboration plus MSSS Workshops
  - Abstract submission deadline: 10<sup>th</sup> March
  - Registration deadline: 19<sup>th</sup> March