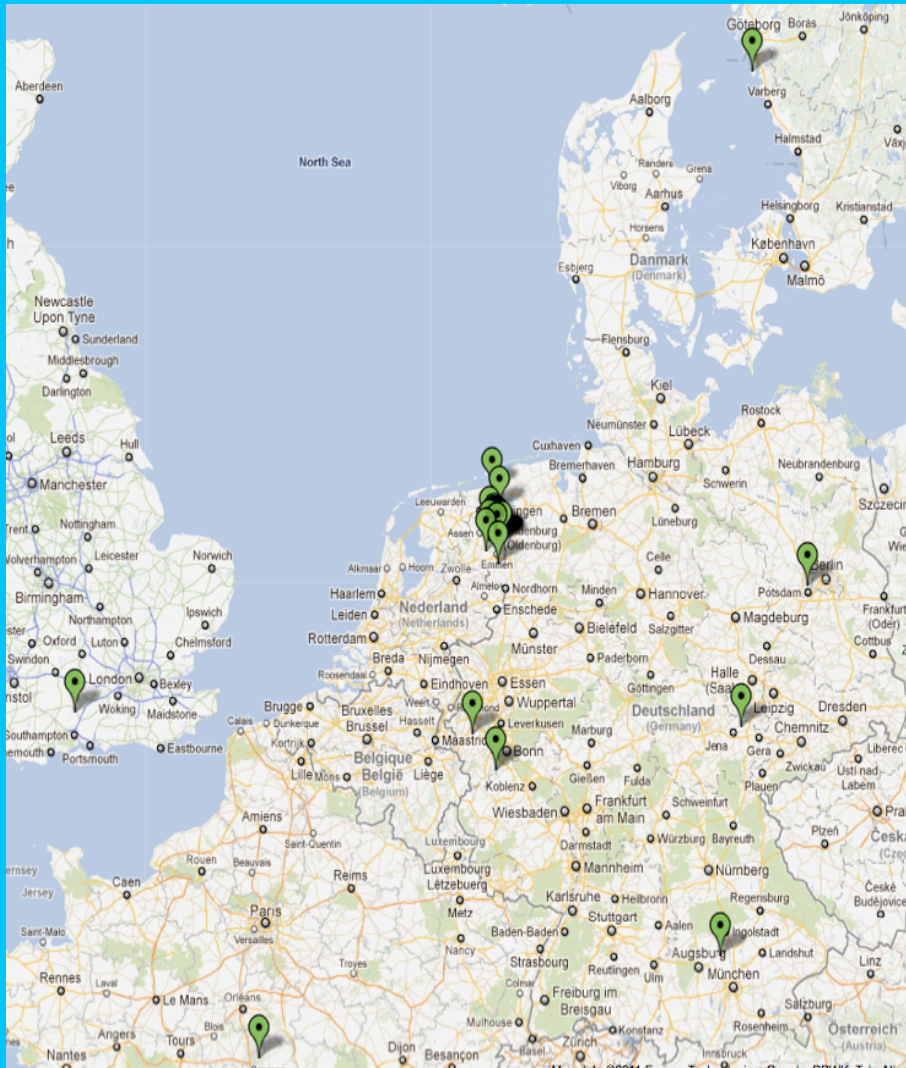


Please mute your microphones/webcams

Programme:

1. Array Status – H. Munk
2. Observatory Update – M.C. Toribio
3. The updated NorthStar proposal tool for Cycle 2 –
W. Frieswijk
4. LOFAR Single-station Pulsar Observations – J. Verbiest
5. Science Update from the Cosmic Ray Key Science Project –
A. Nelles

Array Status



- 38 operational NL stations
 - 24 CSs
 - 14 RSs
- 8 ISs
- TDS-boards on RSs being exchanged, 6 stations to go.
- CS001: TBB problems: clock board replaced, TBB replaced
- RS210: RSP problems: tracked down to power supply; solved in driver, hw solution under investigation
- DE601: backplane temperature turned out to be normal

Network, CEP Status



▪Network

- No issues

▪BG/P

- Nominal
- I/O problem during combined interferometric and tied array observations, re-occurred on January 18

▪Cobalt

- No issues

▪CEP-I/II(/III)

- No issues

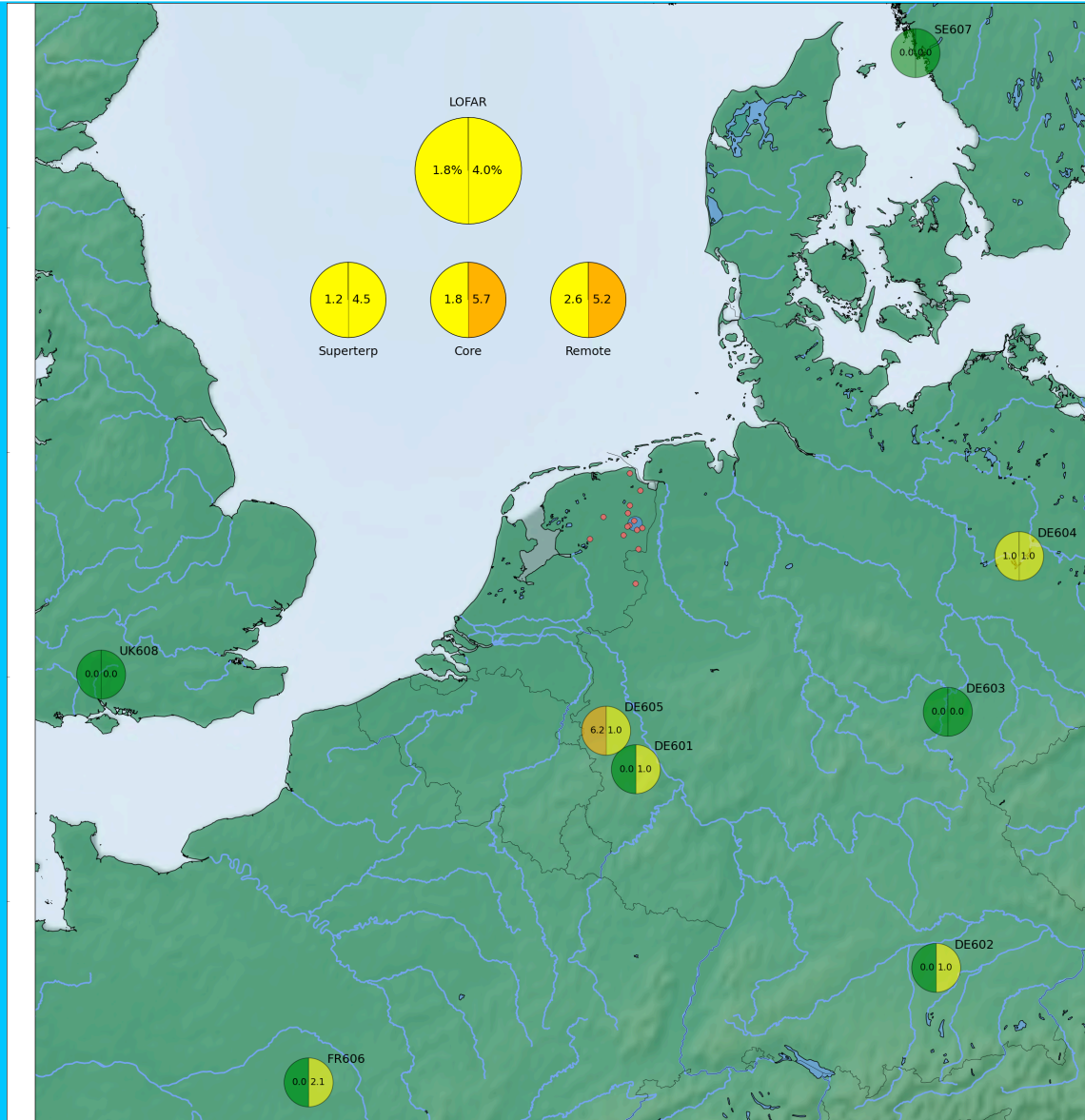
• CEP-III

- installation ongoing

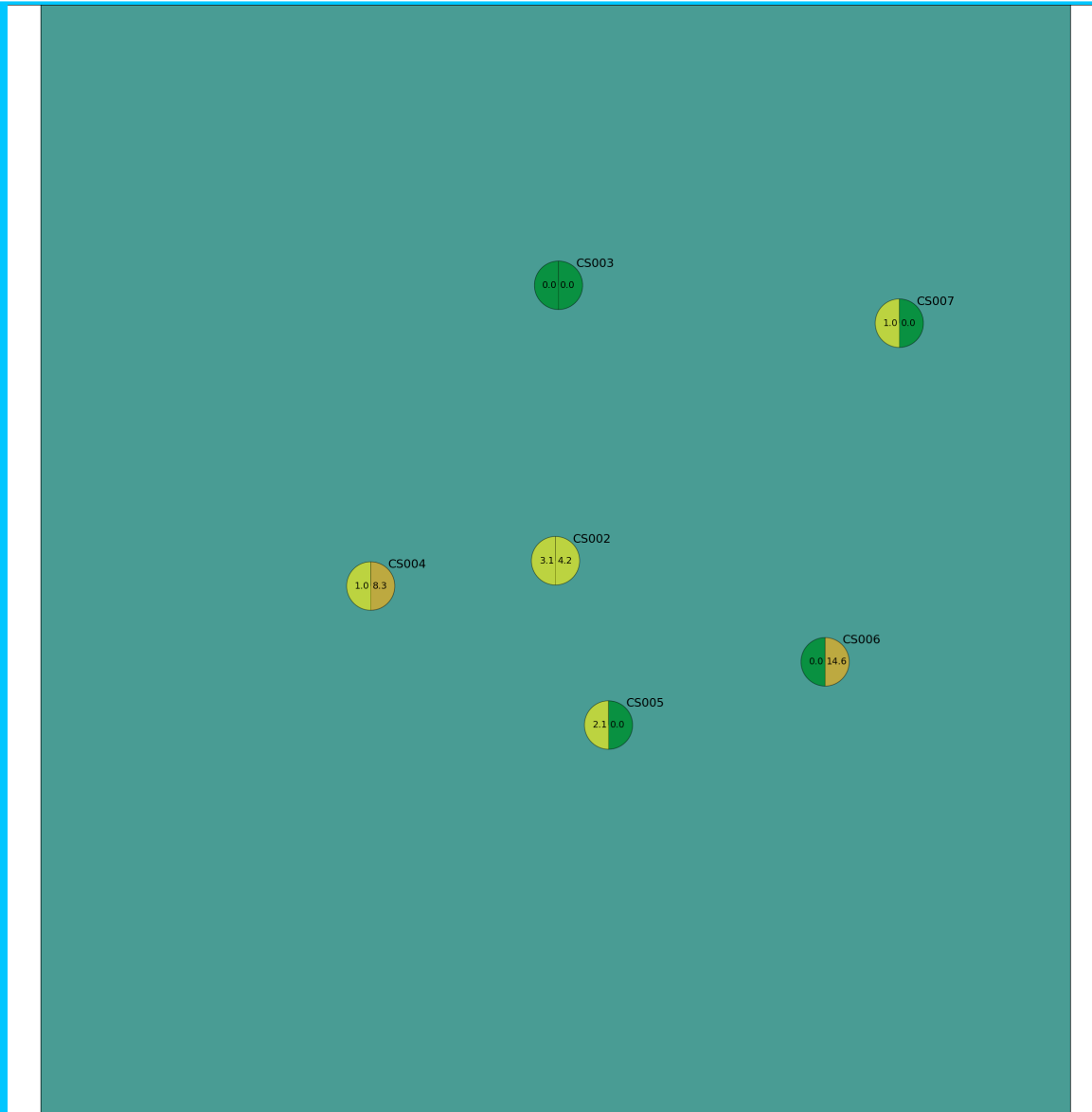
▪Next stop day

- February 4, 2014

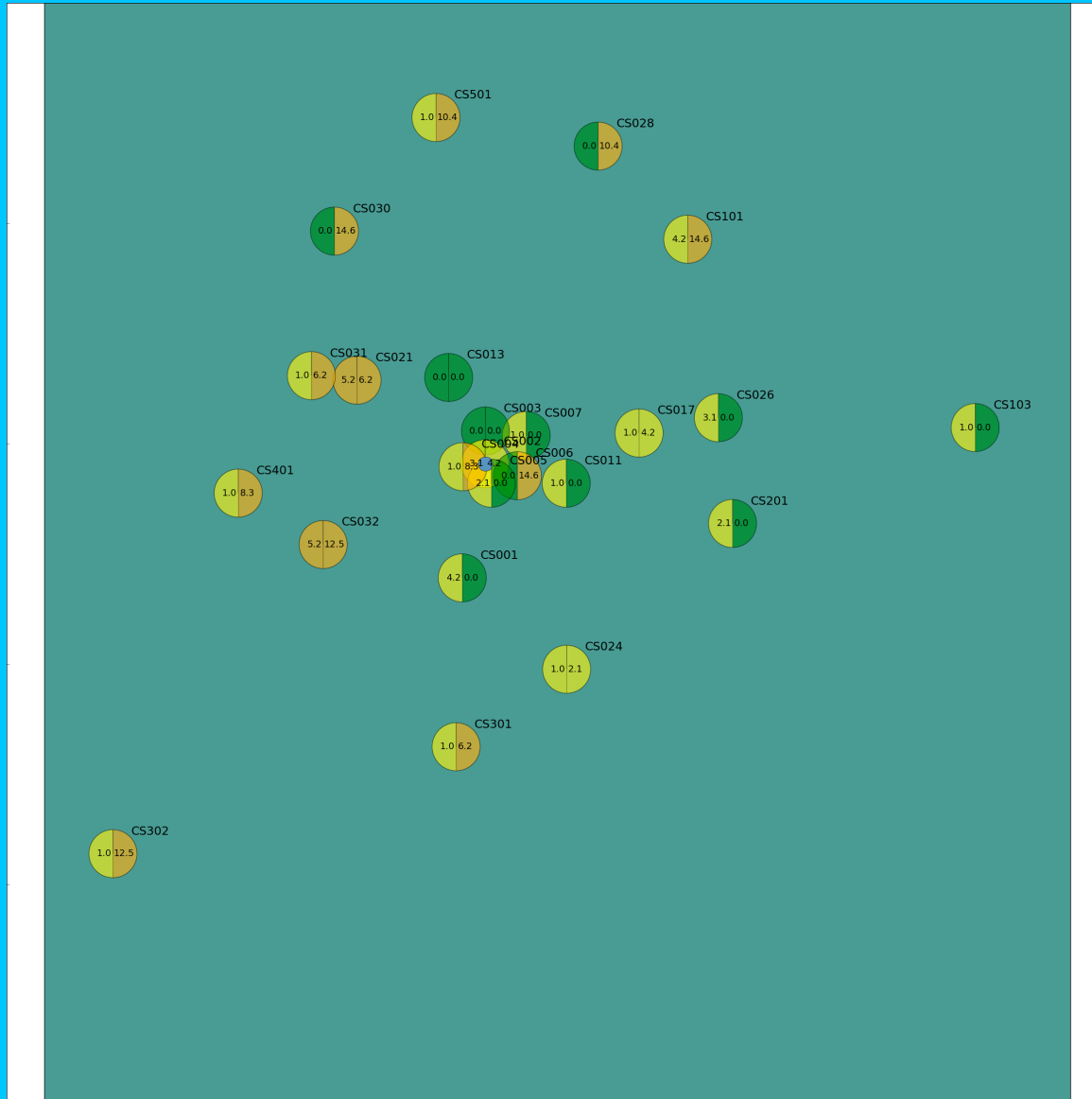
Overview, including IS



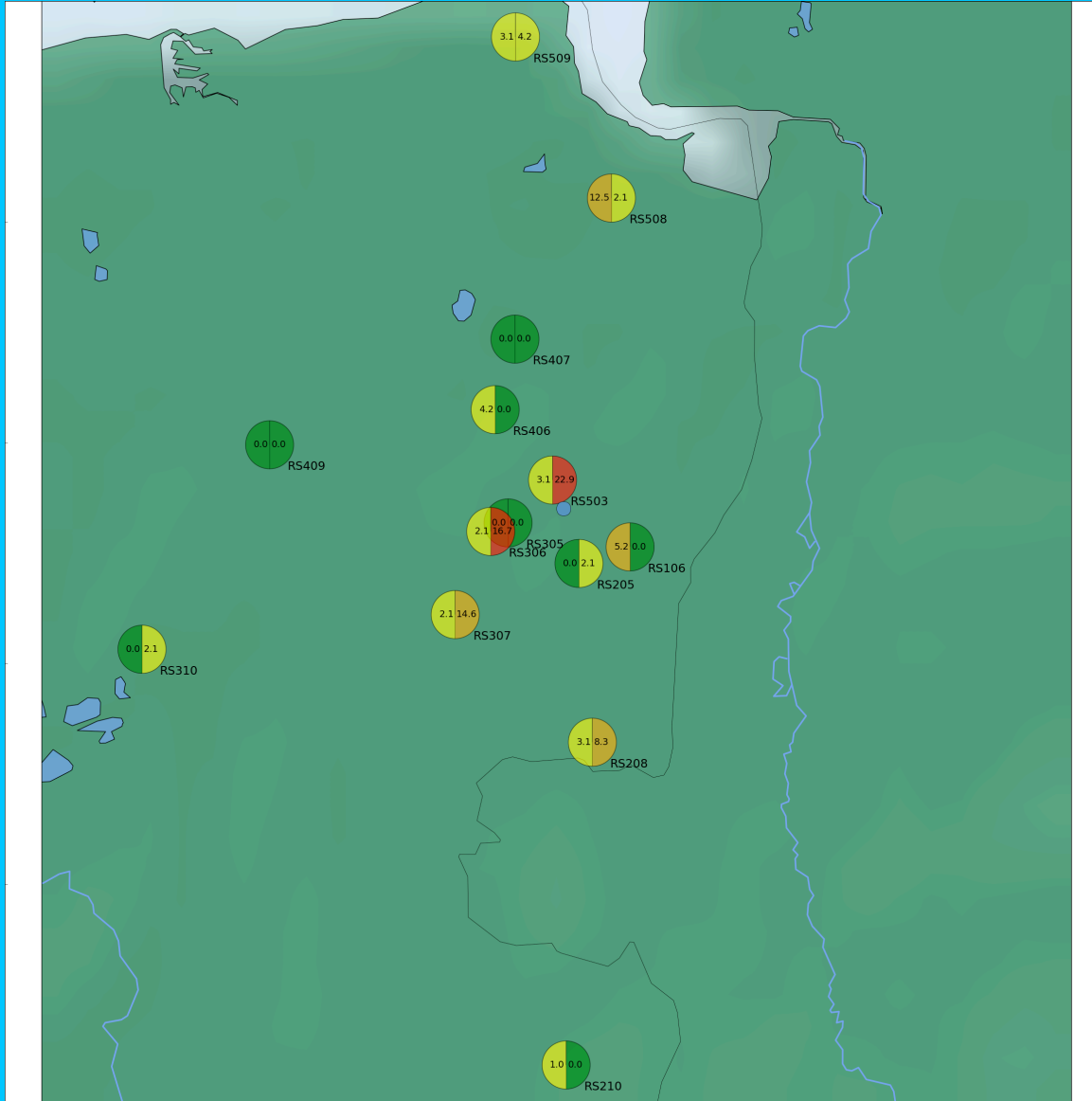
Superterp



Core Stations



Remote Stations



- **BF+IF test:**
 - ✓ Successful (but after last observations for LC1_036 intervention was needed to recover the system).
 - ✓ LC1_033: BF+IF recorded for a 24h run.
- **RFI strategy:**
 - ✓ It should be possible to select RFI strategy: HBA/LBA strategy upon request from now on.
- **COBALT:**
 - ✓ To be adopted (hopefully) next week for interferometric observations.

- **Beam measurements:**
 - ✓ An homogeneous update of station calibration tables is needed (specially for remote stations).
- **LTA:**
 - ✓ Problems in SARA
 - fully operational again
 - delays in LC1_039 (EoR) data ingest. Only 3C196 runs have been performed (NCP have been on hold): tight schedule for the rest of Cycle 1 for this project (Not much room for repetitions of failed observations during nighttime).

- Updated software for *station calibration* (M. Eikelboom, S. Wijnholds, C. Toribio)
 - ✓ Automatic procedures to be run by the Observers from now on.
 - ✓ Tested on RS210, RS310.
 - ✓ Campaign of station calibration data recording in the upcoming weeks (24h runs for modes 1,3 not easy to allocate in the schedule for core stations).

News regarding LOFAR Cycle 1 observations



Week 4	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		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
January	20	Mon	LC1_049 - 5 hrs starting at 22:30 UT			Stress system runs and TBB runs				COBALT testing; International stations switched to local mode at 9 UTC							Tests night observ	Stress system runs and TBB runs					LC1_049 - 5 hrs starting at 22:30 UT		
	21	Tue	LC1_049 - 5 hrs starting at 22:30 UT			Stress system runs and TBB runs				COBALT testing							Tests night observ	Stress system runs and TBB runs					LC1_049 - 5 hrs starting at 22:30 UT		
	22	Wed	LC1_049 - 5 hrs starting at 22:30 UT			Stress system runs and TBB runs				COBALT testing							Tests night observ	LC1_039 (EoR) - NCP							
	23	Thu	LC1_039 (EoR) - NCP						Stress system runs	COBALT TESTING international stations switched to ILT mode at 9 UTC	LC1_023 - LSTs 18,18	COBALT Testing				LC1_023 - LSTs 22	Tests night observ	LC1_034 - 3C98 - 8hrs							
	24	Fri	Stress system runs and TBB runs				LOTAAS: LC0_034 2hrs + LC1_052 8hrs											Stress system runs	LC1_023 - LSTs 02,07	Stress system runs	LC0_002 - Jupiter - 20:00-21:25	Stress system runs			
	25	Sat	MSSS - 16 hrs															LC1_039 (EoR) - NCP							
	26	Sun	LC1_039 (EoR) - NCP						MSSS - 16rs																

- Detailed Cycle 1 schedule available here: <https://docs.google.com/spreadsheet/ccc?key=0AtnmDczhIbEtdGQ4enZicHpGREpGYm1Pc2JrQWIZWmc&usp=sharing>
- Contact Science Support in case of questions/issues
- **Always cc 'sciencesupport@astron.nl' and include the proposal code in the subject line**

- **Proposal call:**
 - ✓ To be advertised at the end of January.
- **Cycle 2 proposal submission Deadline:**

March 7th 2014

- **Start of Cycle 2:**
 - ✓ May 15th 2014

- **CEP2:**
 - ✓ Stable (locus060 – memory DIMM replaced).
- **CEP3:**
 - ✓ will be mounted in the racks today
- **CEP1:**
 - ✓ Ice nodes becoming progressively unstable –
back-up your data elsewhere
 - ✓ Staging areas cleared up every week by removing data older than *4 weeks*

Upcoming activities:

4	Feb	Stop day (Tuesday)
3-7	Feb	Imaging Busy Week 20
7	Mar	Cycle 2 proposal deadline
8-11	Apr	Third LOFAR Science collaboration workshop + MSSS workshop