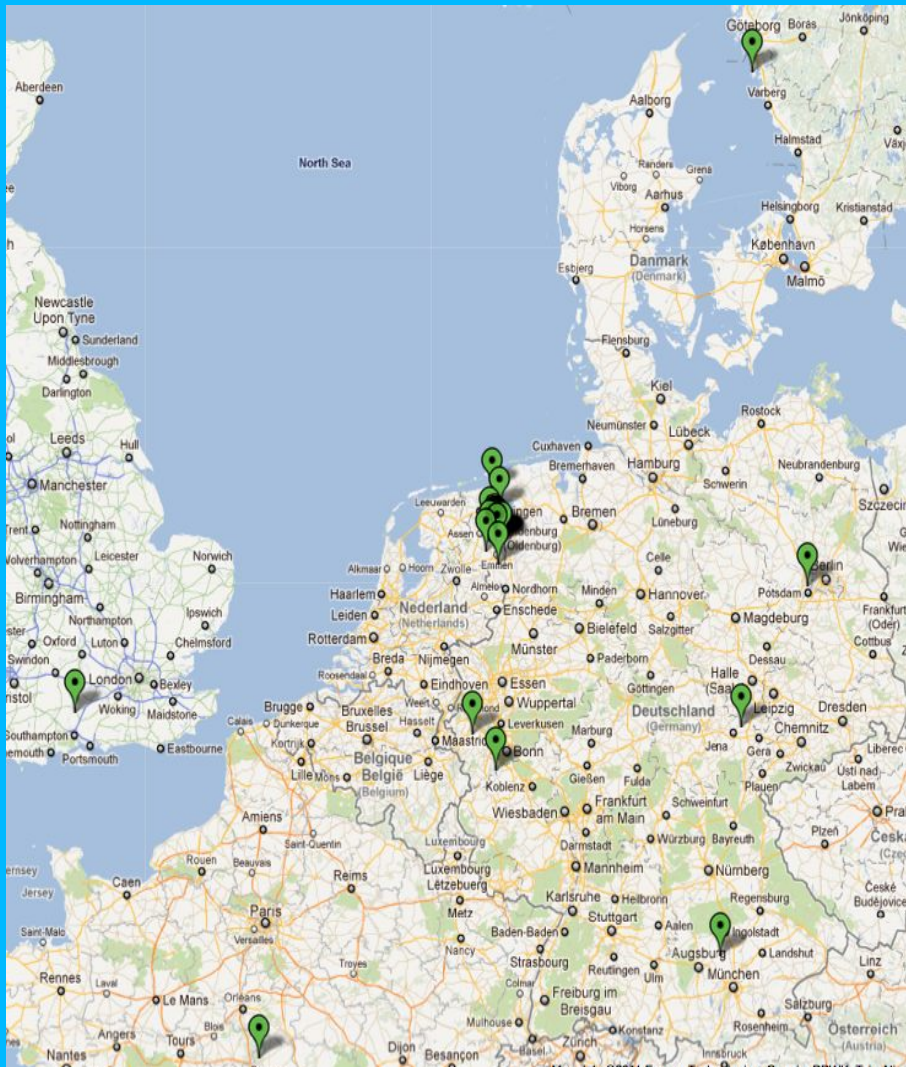


Please mute your microphones

Programme:

1. Array Status - H. Munk
2. Observatory Update - M.A. Brentjens
3. MSSS update - G. Heald
4. HBA observations at low elevation: effect of the A-team sources - J. Sabater
5. Scintillation arcs: offering new perspectives on the ionosphere - R. A. Fallows
6. LC0_019 3C196 status update - Pandey

Array Status



Current Status:

- 36 operational NL stations
 - 24 CSs
 - 13 RSs
 - 8 ISs
 - RS210: network connection now expected by April 8
 - FR606 TBB upgrade 5 s baseband possible
 - FR606: Broken airco unit. Repair almost complete – cannot be used currently
 - CS004: TBB board 4 repaired.
 - CS031: LCU clock off >1 s. Repaired today.
 - About 10% of HBA tiles flagged as bad
 - DE601: Clockboard subrack 5 broken.
 - DE602: TBB board 7&8 not active.
- www.astron.nl/radio-observatory/astronomers/current-status

▪ Network

- DE601, DE602: spurious network issues
- DE602: spurious network dropout, network power outage

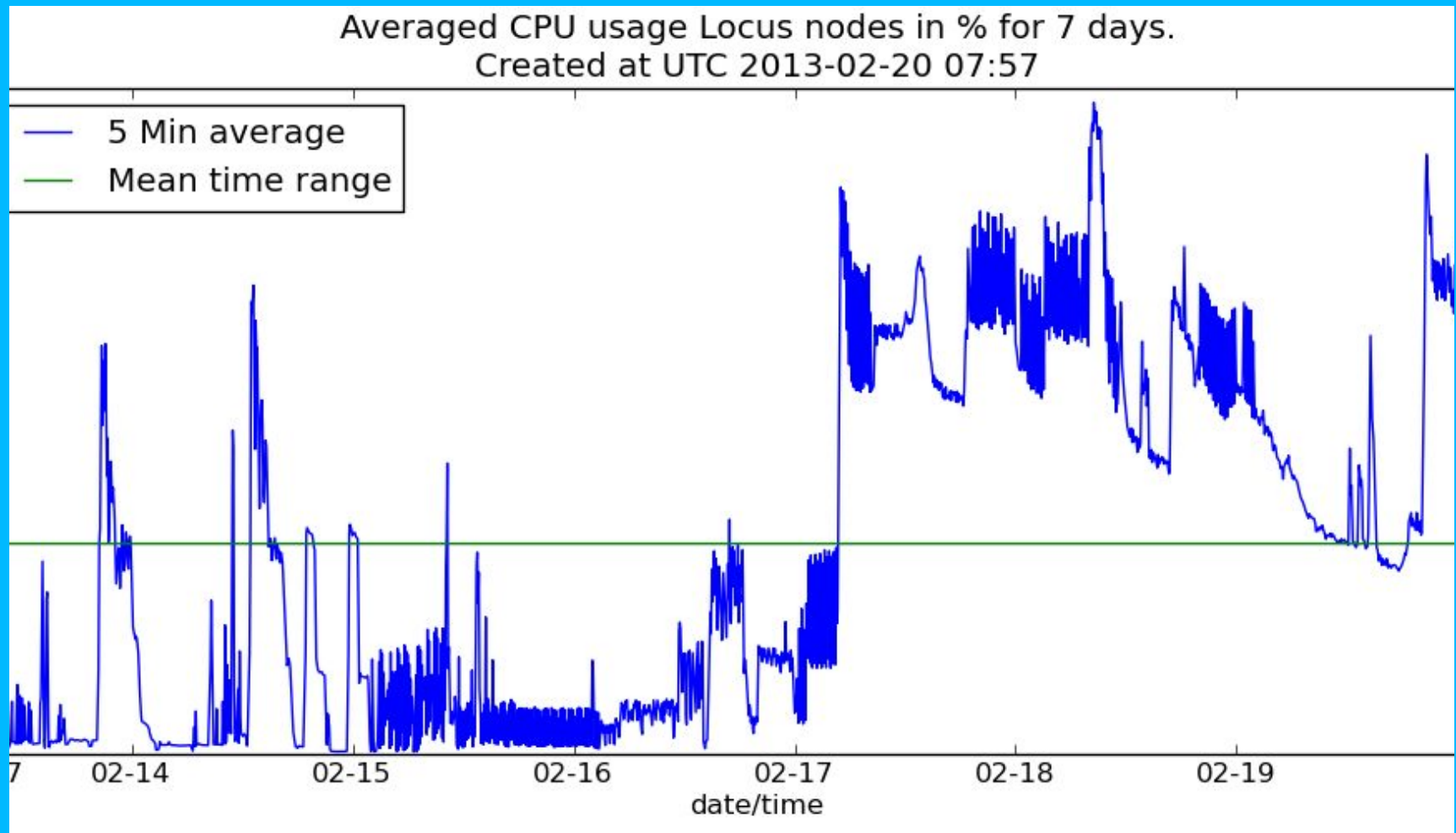
▪ BG/P

- Performance nominal

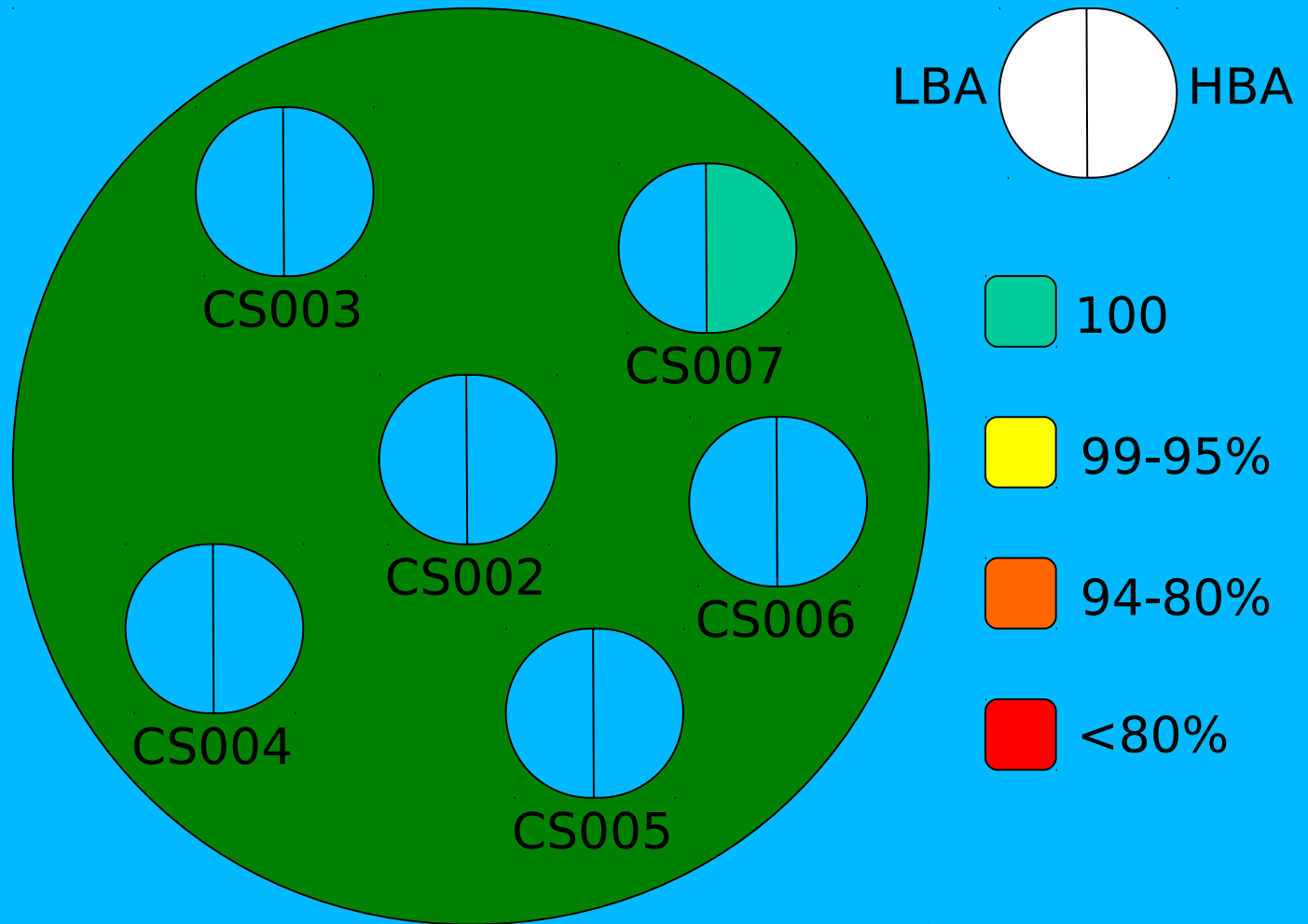
▪ CEP-I/II

- Non-fatal disk errors caused by mechanical vibrations
- Locus008 fan speed reduced to decrease vibrations
- Locus022 disk RAID rebuild
- Lce062 disk broken
- Lce034 replaced
- Next stop day: Monday March 4

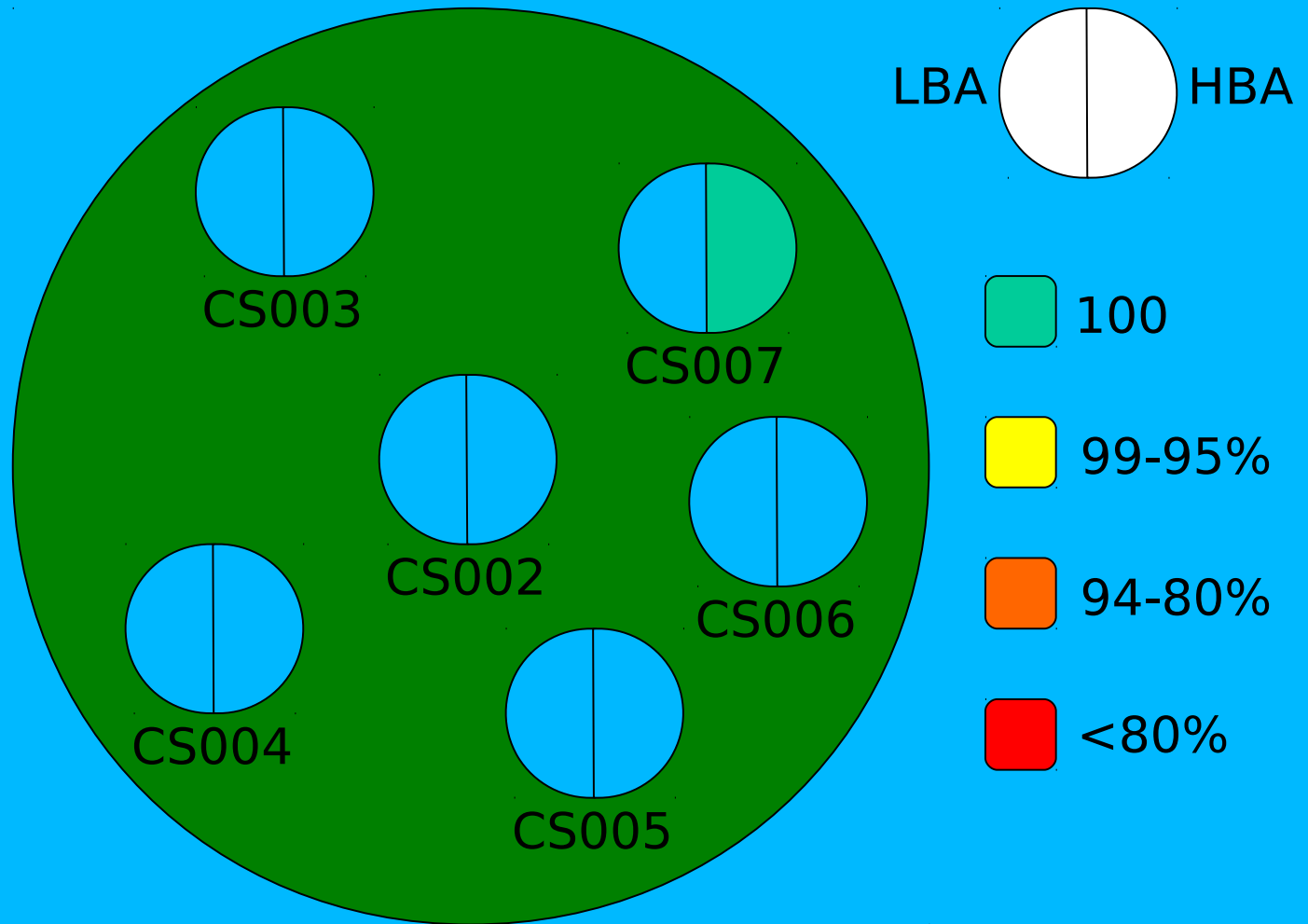
CEP usage last week



Core Stations Superterp



Core Stations Superterp



Station calibration:

- No progress in past 2 weeks.

- Current status:

<http://www.astron.nl/radio-observatory/astronomers/current-status>

Station calibration:

- No progress in past 2 weeks.

- Current status:

<http://www.astron.nl/radio-observatory/astronomers/current-status>

News regarding the observing system: updates, issues, test

- * Failed v1.11 rollout on Tue 2013-02-12 RSPDriver repaired, and successful rollout over the past week. Stations updated yesterday.
- * xml generator for preparation of cycle 0 observations saw lots of work
 - Updates in MoM, Scheduler, OTDB, and SAS/MAC to improve functionality and stabilize the system
 - Ability to schedule and run pipelines improved
 - Takes many hours to go through status changes for HBA LC0 imaging runs.

News regarding the observing system : Archive

- Archiving ongoing for LC0, Commissioning and MSSS.
- Old MSSS data will fully be archived in the next weeks.
- Very slow ingest last week for imaging. Was greatly sped up by Monday.
- FITS images and other intermediate products (e.g., calibrator pipeline outputs) will be available at the archive site soon.

Performance of the system:

- Lots of schedule pressure due to hard observing constraints
- Efficiency limited by:
- Ability to specify, schedule, and run pipelines
- Ingest rate at LTA
- Speed and accuracy of science support mouse-clicks.
- Responsiveness of MoM

- Pipeline stability is fairly good.

News regarding observations and commissioning

- ✓ monitoring, system validation, automated pipeline testing
- ✓ LC0 observations have been performed: 003, 006, 009, 011, 012, 015, 019, 034, 039.
- ✓ Commissioning observations:
 - IPS
- ✓ MSSS HBA started!
- ✓ VHECR-mode (TBB) observations.

News regarding observations and commissioning

✓ New upcoming observations: 003, 013, 037

✓ Cycle 0 schedule:

<https://www.astron.nl/radio-observatory/lofar/cycle-0-schedule/cycle-0-schedule>

✓ Cycle 0 final allocations:

<https://www.astron.nl/radio-observatory/observing-proposals/cycle-0-final-allocations/cycle-0-final-allocations>

CALENDAR of requested busy weeks and other LOFAR activities

- 06 March 11:00: next LSM
- 18-22 March: LOFAR Dalfsen II
- 15-19 April: Imaging busy week (Manchester)
- 13-16 May: MKSP (13-15 workshop + 16-17 busy days)

Overview of commissioning plans:

<http://www.astron.nl/radio-observatory/astronomers/commissioning/commissioning-plan>