

Please mute your microphones

Programme:

1. Array Status - H. Munk
2. Observatory Update – M.C. Toribio
3. MSSS update - G. Heald
4. Status update on LOTAAS and millisecond pulsar observations (LC0_034,011) - J. Hessels
5. AWimager - recent results on polarimetry for the Elais-N1 field - V. Jelic
6. Residuals – M. Mevius

Array Status

Current Status:

- 36 operational NL stations
- 24 CSs
- 13 RSs
- 8 ISs
- RS210: network connection now expected by April 8
- FR606: Faulty air-con unit – cannot be used currently
- CS004: TBB board 4 broken.
- DE601: Flagging.
- DE602: TBB board 7 broken.

www.astron.nl/radio-observatory/astronomers/current-status

▪Network

- DE601, DE602: spurious network issues

▪BG/P

- Broken power supply R00 on January 27, repaired next day
- No issues during stop day

▪CEP-I/II

- Non-fatal disk errors caused by mechanical vibrations
- No issues during stop day

- Next stop days(!): Tuesday and Wednesday, **March 5 and 6**

Station calibration:

- New HBA mode 5 calibration tables installed at DE602,3,4.
- Processing data ongoing for other stations.
- New campaign based on the output of beam measurements.

- Current status:

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

News regarding the observing system: updates, issues, test

- Focus on bug fixes
- xml generator for preparation of cycle 0 observations coupled to pipelines
- Minor updates in MoM, Scheduler (roll out of a new version), and SAS/MAC to improve functionality and stabilize the system

News regarding the observing system : Archive

- Archiving ongoing for LC0, Commissioning and MSSS.
- Old MSSS data will fully be archived in the next weeks.
- Problems experienced with archiving during the last week are being promptly solved.
- FITS images and other intermediate products (e.g., calibrator pipeline outputs) will be available at the archive site soon.

Performance of the system:

- 90h of cycle 0 runs performed successfully last week ($\sim 55\%$ efficiency), in addition to other commissioning projects.
- Increased efficiency (our current limitation is in the pipeline processing and the outflow of products to the archive).
- Large amount of observing hours due to scheduling constrains during this period.
- Pipeline stability has improved significantly (very limited failures, mainly due to feedback errors among parts of the system and the very intense computing of a few projects).

News regarding observations and commissioning

- ✓ monitoring, system validation, automated pipeline testing
- ✓ LC0 observations have been performed: 011, 012, 015, 017, 019, 032, 034, 041, 042, 043.
- ✓ Commissioning observations:
 - ✓ HBA Tied-Array Observations of Radio Recombination Lines (Morabito et al.)
 - ✓ Commissioning Test of LOFAR Long Baselines on a “random” field (Csech et al.)
- ✓ VHECR-mode (TBB) observations.

News regarding observations and commissioning

✓ New upcoming observations: 003, 009, 039

✓ 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

- 7 February: Busy Thursday
- 20 February 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](http://www.astron.nl/radio-observatory/astronomers/commissioning/commissioning-plan)*