

Programme:

- 1. Array status, Radio Observatory update and results from LSM survey - R. Pizzo*
- 2. LOFAR observations of QSO at 180-220 MHz – E. Retana*
- 3. Cygnus X-1 in the hard state: the low radio frequency follow-up - B. Marcote*
- 4. AOB*

Array Status

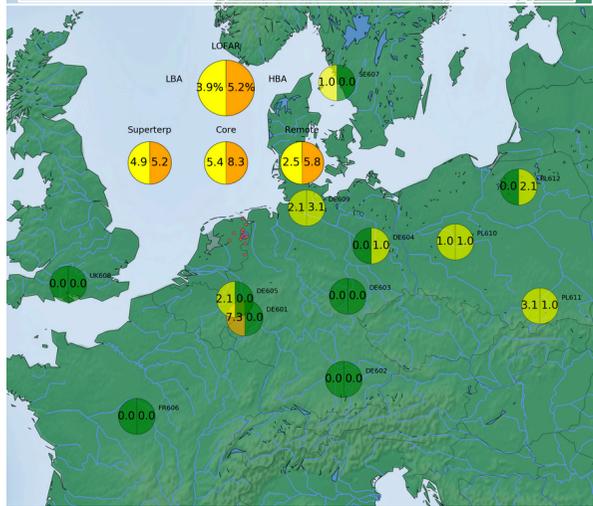


- 50 operational stations
 - 24 CSs
 - 14 RSs
 - 12 Is
- New station to be built in Ireland (IE613)
- 21/07 - flagging IS (10Gbit connection between Netherlight and CEP down)
- 22/07 - CS001 power supply broken - repaired
- 27/07 - combined switch problem in Groningen for CS028 and RS307 - reset
- August - PL612 - broken GSP receiver - replaced
- 03/08 - CS501 subrack 2 8.0v spu broken - replaced
- 05-08/08 - CS310 power issue. Power restored after trip reset

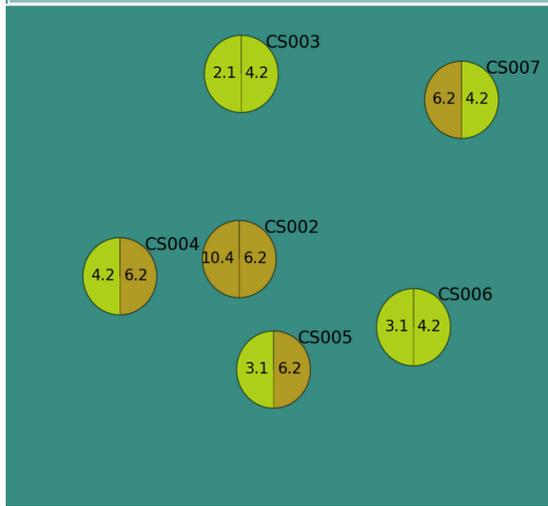
ANTENNA ELEMENTS STATUS



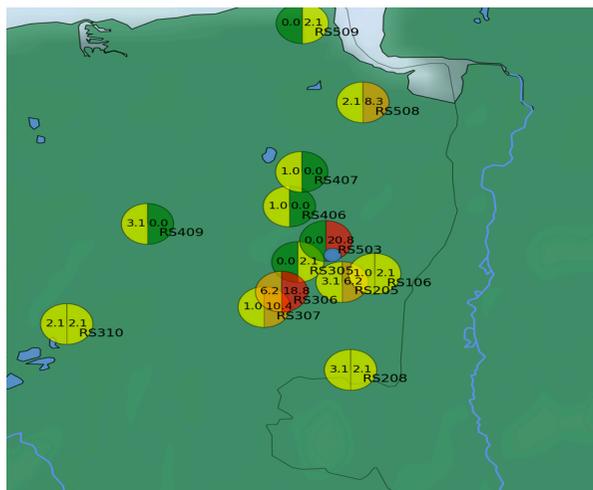
Full array → LBA: 3.9% , HBA: 5.2%



Superterp → LBA: 4.9% , HBA: 5.2%



Core Stations → LBA: 5.4% , HBA: 8.3%



Remote Stations → LBA: 2.5% , HBA: 5.8%

All operational
 < 5% not operational
 < 15% not operational
 > 15% not operational

- Maintenance in progress
- Current status available at

https://proxy.lofar.eu/array_status/

News regarding the observing system: Stability & performance



- Nominal performance during the past month for both observations and pipelines
- MoM issues caused delays in preparation/managing of projects
- LTA – several issues with ingest and data staging:
 - SARA maintenance – no staging possible. User’s ingest requests did not get automatic warning
 - No LTA permissions for new users – now solved
 - Data retrieval from Juelich is experiencing issues (incomplete data) – being looked into

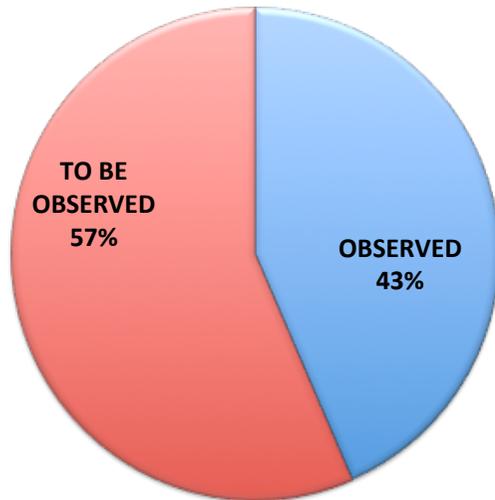
CEP4 commissioning



- Imaging observations: issues with data recording being fixed
- Imaging pipelines: remaining bugs in LB pipeline – final tests will follow after fix. Imaging mode will regularly go to CEP4 after that
- Beamformed observations: first debugging session completed – further tests ongoing
- Pulsar pipelines: implemented in production on Monday. Testing is ongoing. Next step: BF production observing/processing to be moved to CEP4
- TBB mode – data recording will be worked on and finalized next week
- Dynamic spectrum tool available and running on CEP4
- Production observing/processing should run on CEP4 for at least 1 week before completely moving out of CEP2

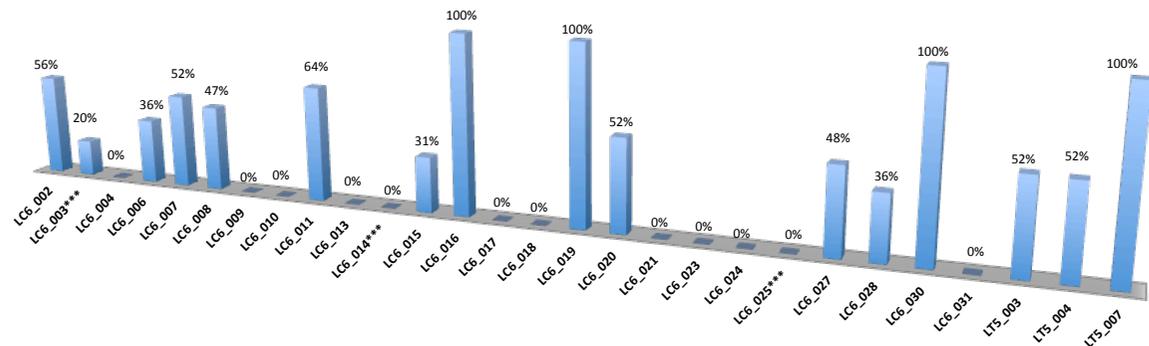
News regarding the observing system: Cycle Observations

STATUS CYCLE 6



- 43% complete
- CEP4 commissioning caused delays
- A few observations already postponed to next Cycle (second priority)

Status of Cycle 6 projects



CALENDAR LOFAR activities

<http://www.astron.nl/radio-observatory/calendar-lofar-activities/calendar-lofar-activities>



The screenshot displays a calendar interface titled 'LOFAR Activities' for the month of September 2016. The calendar is organized into a grid with columns for each day of the week (Mon-Sun) and rows for each day of the month. Key activities are highlighted with blue bars and text:

- September 29:** LOFAR Stop Day
- September 30:** 11am LSM (LOFAR Status Meeting)
- September 5-9:** 4th LOFAR Data Processing School
- September 12:** LOFAR Software Roll Out
- September 13:** 11am LSM (LOFAR Status Meeting)
- September 14:** 3pm 12 UT - Cycle 7 proposals submission deadline
- September 27:** 11am LSM (LOFAR Status Meeting)
- October 1:** SURFextra maintenance - no logget - stoping - download possible

Cycle 7 call:

<http://www.astron.nl/radio-observatory/observing-proposals/regular-proposal-call-instructions/regular-proposal-call-instr>

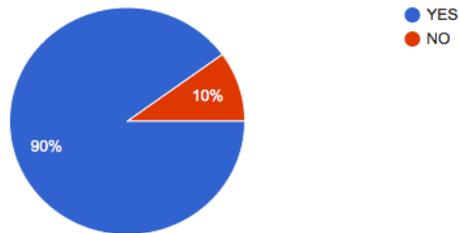
LSM presentations:

http://www.lofar.org/wiki/doku.php?id=public:lsm_new:start

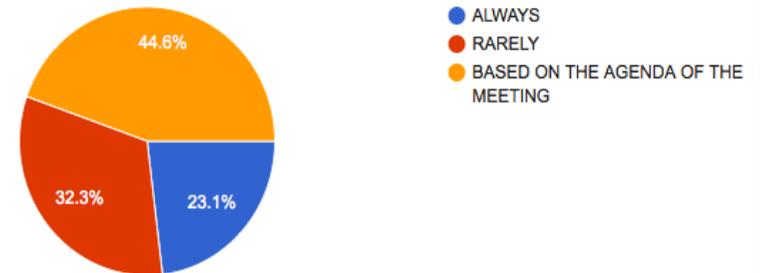
LSM Survey Results

Have you ever attended a LOFAR Status Meeting (either at ASTRON or remotely)?

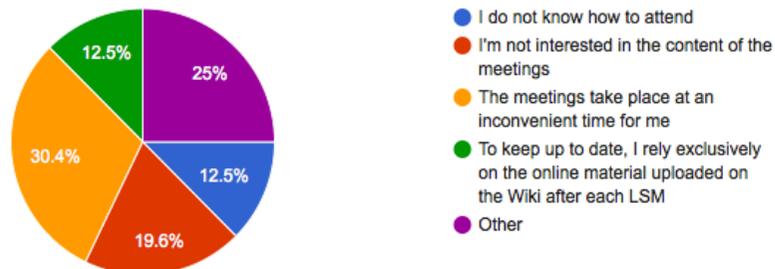
(70 responses)



If you usually attend the LSM, how often do you attend it? (65 responses)



If you do not attend, why? (56 responses)

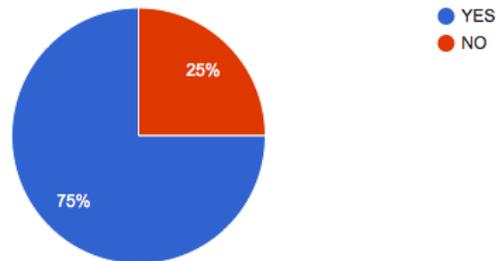


- Other priorities
- Forgetting...
- Only a fraction of the shared information is of interest

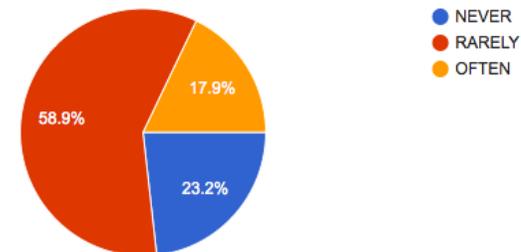
LSM Survey Results



Have you ever attended the LSM remotely through Vidyo? (68 responses)



If so, do you experience technical problems when participating remotely? (56 responses)



If you still experience problems when connecting remotely, please give more details

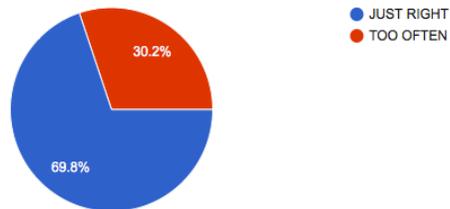
(15 responses)

- Screen sharing does not always work properly – delays → Slides are now online before the meeting
- Problems with installing it on linux or not working with some linux distributions → ICT will give feedback about this

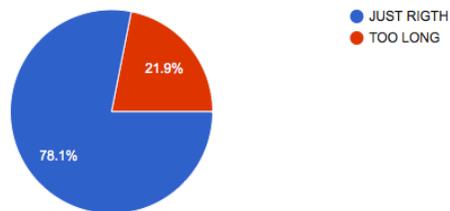
LSM Survey Results



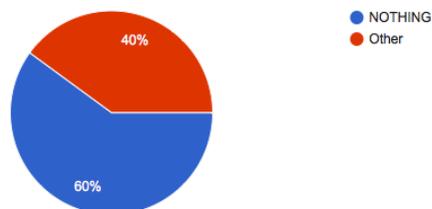
Do you find the frequency of the meetings (every two weeks): (63 responses)



Do you find the duration of the meetings (~ 1 hour): (64 responses)



What would you improve about the LOFAR Status Meetings? (60 responses)



- More discussion → we have started doing so since a couple of months
- Array status – only include new information → done
- More focus on data quality → in progress; also the science talks should report on that
- More info on station health, ionospheric conditions → in progress
- Reduce frequency or length → major system changes do not occur frequently. LSM's will have a monthly cadence from now on. Information that needs to be shared with the users in between LSM will be circulated via e-mail.