

Programme:

- 1) Array status, Radio Observatory update - E. Orru
- 2) The LOFAR visibility calculator - A. Shulevski
- 3) CITT2 update - E. Orru'

Array Status

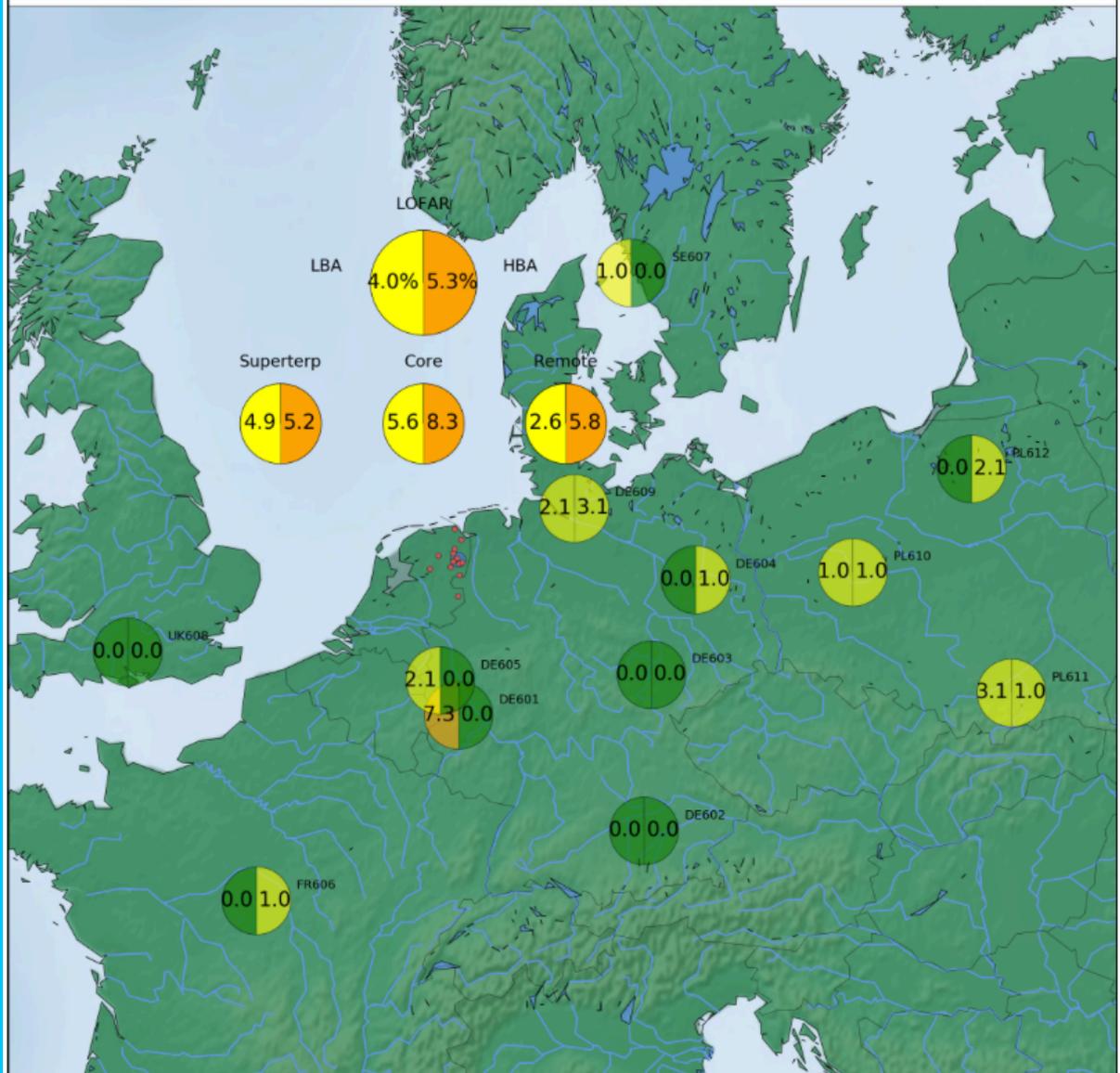


- 50 operational stations
 - 24 CSs
 - 14 RSs 12Is
- New station to be built in Ireland (IE613)
- 27/8 DE604 local mode software completely gone.
- 28/8 CS501,RS305,RS407 power failure due to heavy thunderstorm.
- RS503, and RS310 power switched off by the obs temp sensor.
- All NL station switched off during hot days.
- RS407 broken power supply of rubidium clock due to lightning

Overview, including IS

LBA: 4.0%; HBA: 5.3%

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



Color coding of non-operational components per stations:

- all operational
- <5% non-operational
- <15% non-operational
- >15% non-operational

- Few observations failed due to high number of stations due to failures
 - among these some PIs accepted observation with less than nominal amount of antennas.
- CEP4:
 - since Wednesday 24th crashes happened without apparent explanation on computing nodes. Kernel OS has been updated and tests are on going to assess if this would fix the issues.
 - Data loss was recorded during these crashes.
 - Data loss was recorded in the beginning of the run when initialization of the bandwidth is assigned. Some tuning is being done to avoid this problem.
 - PSR successful manual run. No successful run through the full system so far.
 - Two stop days to allow DELL to update power volt on luster system.

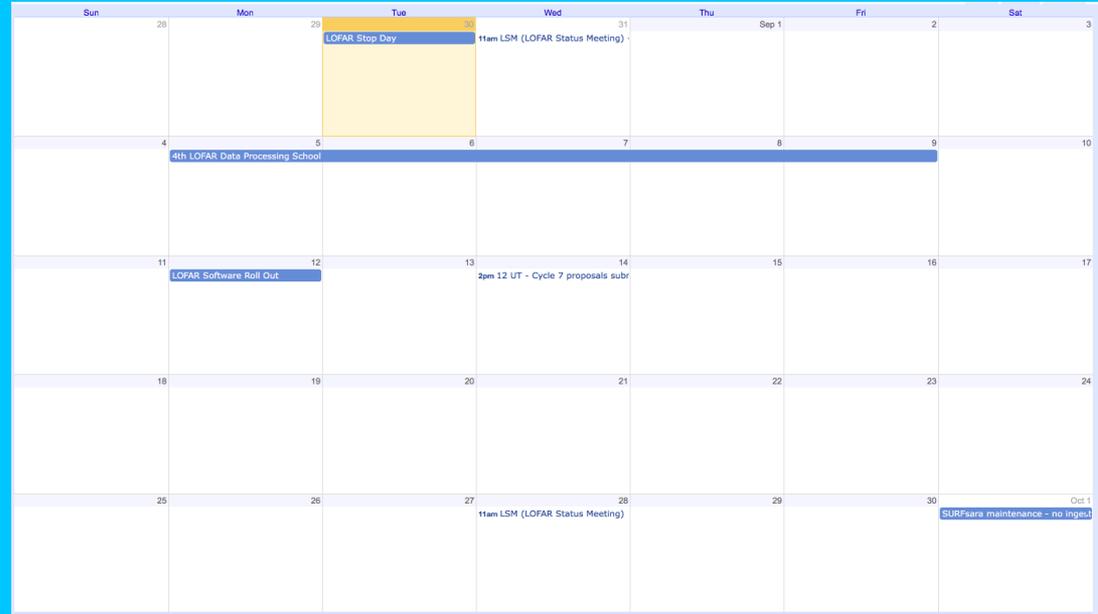
Preliminary...but really very preliminary characterization



- Some production projects run on CEP4 (LC6_006, LC6_007, LC6_015)
- For these we calculate the P/O.
- **CAVEAT:** The pipeline run with the cluster free from other pipelines or heavy observations.
- Data loss in recording observation occurred with this set up.
- P/O in this conditions is much lower than in CEP2
- E.G. P/O of flag and averaging for 244 SB in cep 2 is 1 while on CEP4 is ~ 0.5 .
- A new script for characterization is being worked out at the moment. We will repeat this exercise when CEP4 will be working on regime.

Calendar LOFAR activities:

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



Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30 LOFAR Stop Day	31 11am LSM (LOFAR Status Meeting)	Sep 1	2	3
4	5	6	7	8	9	10
4th LOFAR Data Processing School						
11	12 LOFAR Software Roll Out	13	14 2pm 12 UT - Cycle 7 proposals subr	15	16	17
18	19	20	21	22	23	24
25	26	27	28 11am LSM (LOFAR Status Meeting)	29	30	Oct 1 SURFsara maintenance - no injec

➤ Call Cycle 7

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

➤ NorthStar how to:

<http://www.astron.nl/sites/astron.nl/files/cms/PDF/LOFARPSP.pdf>

➤ LSM presentations list & users suggestions:

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