

Radio Observatory Report

Station/Item	Cabinet	LBA	HBA	Fibre	CEP connection	Validated
CS302						
RS307						
RS503						
RS106						
RS208						
CS030						
CS401						
CS021						
CS032						
RS306						
CS301						
CS501						
RS509						
CS103						
CS001						
CS002						
CS003						
CS004						
CS005						
CS006						
CS007						
CS024						
CS201						
CS101						
CS026						
RS205						
CS017						
CS011						
CS013						
CS028						
CS031						
RS104						
RS210						
RS310						
RS404						
RS406						
RS407						
RS409						
RS410						
RS508						
Effelsberg						
Tautenburg						
Garching						
Potsdam						
Juelich						
Nancay						
Onsala						
Chilbolton						
Totals	41	39	40	37	36	32

Current Status:

27 operational NL stations

20 core + 7 remote

5 stations partially constructed
(4CS, 1RS)

RS509 integration to the array this week

6 International stations fully constructed

DE604 integration to the array this week

DE605 Jülich fully constructed

SE607 construction ongoing



News regarding observations and the observing system

- LEA128, LEA066: Observations to monitor the performance of the array
 - LEA006 : IPS observations with international stations
 - Pulsar "survey" observations
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- Using ~50% of CEP II cluster - Reliability of nodes increasing.
 - Imaging Pipeline in CEPII cluster becomes more stable.
 - SCHEDULER operation stable.
 - RSP boards jump to ERROR state: Monitored

Commissioning activity

- Imaging Busy Week #11 (talk by R. Pizzo)

http:

[//www.lofar.org/operations/doku.php?id=commissioning:imag_busy_week_11](http://www.lofar.org/operations/doku.php?id=commissioning:imag_busy_week_11)

- Pulsar "Survey" style observations (talk by J. Hessels)

Issues affecting the observing System

- **CEPII Cluster:**

- 99 nodes are up, 1 (LOCUS050) broken.
- A number of nodes still suffer from spontaneous reboots (5 of worst rebooters send for inspection)
- New firmware installed in Raid controllers and IPMI devices
- Results of investigation of UPS power supply expected this week.

- **Oberving System:**

- Broken RSP boards replaced in RS503 and CS002
- Changes in MAC (16 May) for better process stability and inter-process communication.
- Progress in fixing the low-no signal issue in international station LBA observations: software fix
- Progress in fixing issue with data loss when data writing and processing simultaneously.
- CEP I upgrade preparations starting

CALENDAR of requested busy weeks and other LOFAR activities



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

- 06 June : CEP stopday
- 06-10 June : Magnetism KSP Busy Week
- 20-24 June : Pulsar Busy Week (pending confirmation of dates)

