

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	39	39	39	36	35	32



QuickTime[®] and a decompressor are needed to see this picture.

Developments of the Observing System

- Continuing station calibration observations, NL and international stations.
- Technical Issues solved:
 - o Corruption of HBA1 by HBA0 data.
 - o we know where PSR LBA tracking issues come from
 - o 15ns difference between HBA1X and HBA1Y is fixed - however there may still be a smaller offset (6ns?) between HBA0 and HBA1 phases.
 - o 160MHz Clock-boards replaced in CS002 & CS005
- Technical Issues under investigation:
 - o Problems with Calserver at some stations
 - o International stations: Transmit 61 instead of 62 beamlets (Week 47)
 - o RSP boards jump into ERROR state, need recycle of 48V power to reset.

Observations & other developments

- Previous weekend: Observations of the Moon for the EoR and the UHECR projects
- 6 hr Cygnus A observation with all NL stations (test of HBA1 problem):
 - 46 Antenna fields = 1035 baselines

- **REMINDER:** Useful tools and scripts in */opt/tools/*
Contact A. Renting and R. Pizzo to add your tools there.

Observatory "White Board" in Wiki (http://www.lofar.org/operations/doku.php?id=operator:current_station_overview)

CALENDAR of requested busy weeks and other LOFAR activities

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

- 9-12 November : CEP stopdays
Maintenance of power supply and replacement of UPSs in CEP.
- 2 December : Dedication Nancay station (FR606)
- 6 December : CEP stopday
- 14-16 December : Imaging Busy Week in Leiden
- 17-21 January : Imaging Busy Week (Dwingeloo)
- End January : Pulsar Busy week

