

Radio Observatory Report

Developments of the Observing System

- Static calibration table for LBA modes has been tested (see J. Hessels' talk).
- HBA calibration strategy.
- Taking calibration observations for HBA modes and completing the LBA observations (4 Nov - now), NL and international stations.
- Technical Issues under investigation:
 - o Corruption of HBA1 by HBA0 data. We do not use HBA1 yet. (Week 44)
 - o International stations: Transmit 61 instead of 62 beamlets (Week44)
 - o 160MHz Clock-board problem in CS002 & CS005
 - o RSP boards jump into ERROR state, need recycle of 48V power to reset.
- **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)

Observations & other developments

- Previous week: Several pulsar observations
- Test observations for the SOLAR KSP: solar spectrum, solar imaging, interplanetary scintillation.
- SETI observations: Under LEA070, participated in "Project Dorothy", "a global co-ordinated SETI observation involving 23 institutes in 13 countries" to commemorate 50 years from the start of Project Ozma.



<http://www.nhao.jp/~narusawa/oseti/project-dorothy.html>



- One 20min-long observation each of Tau Ceti and Epsilon Eridani, two stars in the original target list of Project Ozma.
- Observation of 55CnC, for live-TV transmission from ASTRON & the superterp.

CALENDAR of requested busy weeks and other LOFAR activities

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

