Observatory status

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LOFAR Status Meeting 20101110

Outline

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Stations

CS004 and CS006 clock board problem at 160 MHz

CS011,CS013,CS028,CS031 need config files

Most stations LBA calibration tables installed

More details on wiki operations ⇒ Current Station Overview (the ROCR WhiteBoard)

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Central systems and software

- All systems down from 2010-11-09 15:00 UTC to 2010-11-11 afternoon for UPS replacement
- OTB now has multi-edit facility, which makes handling large sets of observations vastly easier
- rficonsole is three times faster and uses much less memory if one enables re-sorting of the data sets
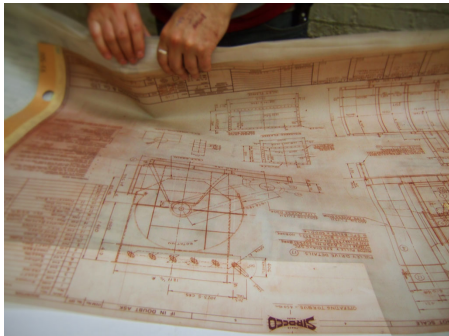
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- Calibration table validation with pulsars and Cyg A
- Short synthesis experiments with calibration enabled
- Data collection to generate more calibration tables
- System validation observation (weekly package)

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Current issues

- HBA1 data corruption $\Rightarrow$ next week
- Effelsberg station can only transmit 61 out of 62 subbands
- RSP boards jump to error state
- Possible LBA tracking problem (Jason)
- 15ns difference between HBA1 X and HBA1 Y?
- Non-hermiticity in ACM between RSP boards
- Timestamps in MS might not reflect middle of integration time
- LOFAR autocorrelation dips (character changed?)

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Outline

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Next weeks

- Find and repair HBA1 corruption
- Continue producing and installing Calibration tables
- Verify HBA Calibration tables

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