

CS1 Status

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RADIO OBSERVATORY CONTROL ROOM



CS1 Meeting, January 16, 2008

CS1 Status

◆ Operations

⊕ Logbook: <http://wsrtweb.astron.nl/LofarLog>

- Report via observer

⊕ Configuration files under version control

⊕ Few observations done in past period

- HBA stability measurements
- Pulsar drift scan (2/1/2008)

CS1 Status

◆ Stations

⊕ LBA

- All sky imaging/cross correlations problem (Presentation Michiel Brentjens)

⊕ HBA

- Tiles: All 6 tiles fitted with new FE units
- Stability tests carried out over Xmas period: 2x 48 hour; 16 microstations; CS010: 2 tiles+2single HBA Being investigated

⊕ Digital HW/Cabinets

- CS010: Power supply RCU 18 faulty
- Power supplies HBA units switched off: investigate noise on LBA & (re) create situation Effelsberg
- Today firmware update RCU's on all stations

CS1 Status

◆ Network

- ⊕ WAN procurement started

◆ Central Processing

- ⊕ 1 second offset (introduced at station)

- Identified; will be corrected soon (currently no real issue)

- ⊕ BG/L

- Bypass input cluster (test system) runs stable

- ⊕ Storage

- NFS over TCP Infiniband test: 70 MBps (was 5-10 MBps)

- Considering to install 500 GB disks in offline processing cluster machines (test: 75 MBps)

- Issues retrieving data from GRID

- L2007_03742: 2 subbands not found (not registered correctly)
- Inefficient retrieval from tape (being investigated)

CS1 Status

◆ Software

⊕ Step 3 software development concluded

- TBB
- Bypass input cluster
- Discuss transfer to operation tomorrow

CS1 Planning

- ◆ Solve issue Cross correlations CS010: ASAP
- ◆ Solve issues archived datasets: ASAP
- ◆ Continue HBA commissioning: < end February
- ◆ Lightpath Groningen – A'dam: < July 2008