

Radio Observatory Report

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Developments of the Observing System

- CS21: 16 HBA tiles to be repaired
- CS30: 5 HBA tiles under investigation
- CS301 & CS501 in maintenance

- Detailed tests of ITRF Beamsolver ongoing.
- Calibration observations of all available LBA modes completed. Analysis is in progress.
- Observations to test the HBA calibration scheme taken.

- Tests and corrections of HBA dipole polarization ongoing (next slide)

HPA dipole polarization

- HBA dipole polarizations of 12 stations are 100% checked and repaired.
- 5 stations repaired and need to be checked.
- RS106 contains 27 faulty polarized elements and will be repaired.

*More information from
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Station	measured	repaired	Measured after repair	Measured Final	OK!	Number of repaired elements
CS001					4 juni 2010	384
CS003					3 juni 2010	50
CS004					8 juni 2010	1
CS005		2				
CS006					23 juli 2010	0
CS007					28 juli 2010	6
CS017					27 juli 2010	0
CS024					15 juni 2010	288
CS101						4
CS103						53
CS201		81				
CS301					23 juli 2010	4
CS401		3				
CS501					13 september 2010	1
RS106	27					
RS205					9 juni 2010	202
RS208					28 juli 2010	2
RS306						
CS026					10 september 2010	2
CS002						
CS007						
CS011						
CS013						
CS021						
CS028						
CS030						
CS031						
CS032						
CS302						
RS307						
RS503						
RS509						
Effelsberg						
Tautenburg					25 maart 2010	5
Garching					30 juni 2010	3
Chilbolton					2 september 2010	0
Nancay					7 juli 2010	6

Observations & other developments

- Observations for the Imaging BW:
 - Test observations for MSSS-style campaign (10 min snapshots etc).
 - 6 hr observations of some “A-team” sources.
- Continued multi-epoch imaging+pulsar observation for the Transients KSP.

This week: IBW5 Offline cluster will be loaded with processing for the BW.

Working out the detailed operational requirements for executing MSSS observations.

Will communicate and present a proposal of the first MSSS observations by the next LSM.

Subsequently would like to discuss comments on this proposal and formulate a final policy.

CALENDAR of requested busy weeks and other LOFAR activities



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

- 13-17 September : Imaging Busy Week (Dwingeloo)
- 23 September : LOFAR Network Meeting (Garching)
- 4 October : CEP Stopday
- 11-15 October : LOFAR Data School
- 18-22 October : Magnetism KSP Busy Week (Dwingeloo)
- 1 November : CEP stopday
- 1-5 November : Pulsar Busy Week (Dwingeloo)

Schedule: June - July 2010

Tue		Wed		Thu		Fri	
30	31	1 Sep	2	3	4	5	6
0 - 24hrs		ment workshop					
6	7	8	9	10	11	12	13
RO Outing							
13	14	15	16	17	18	19	20
		(10:00) eVLBI 15Sep 10:00 - 16Sep 10:00					
20	21	22	23	24	25	26	27
Manchester				LOFAR Network Meeting (Garching)			
27	28	29	30	1 Oct	2	3	4
		Effelsberg in Stand-Alone mode - BG					
Pulsar busy week #9							

Use of the Offline Cluster

Commissioners:

- please clear up your work area in the Compute Nodes when finished:
 - Particularly if you have copied a sideband of raw data
 - any previous iterations of (N)DPPP
 - clear out any data used for "educational purposes"
 - notify support scientists if datasets are ready to be archived.
- Datasets in the Storage nodes:
 - Please notify support scientists/observers when you are satisfied with NDPPP-ed data, to *remove* raw data from storage nodes.
- **IMPORTANT:** Lots of data from previous busy weeks - Please DELETE THEM

REMINDER

PLAN: During observations requiring high data-rates, the storage disks will not be NFS mounted to the compute nodes.

Advanced warning will be given to users

Please communicate with the radio observatory (sciencesupport@astron.nl) if you need to run an intensive job yourselves.