2011 September 21

Arjen Koers configured the LOFAR switch lofar lofar1a - lofar4a.

A. Horneffer tested the antennas.

HBAs:

Bandpass of all antennas looks good.

Element 7 of HBA 68/69 failed "modemtest": when setting "253" it reported "0" (the other two tests were fine.)
More tests: setting "7" -> "7", "128" -> "128", "252"->"252", "129"->"0", "131" -> "131"
BTW: setting "255" sets **all** elements to "0"

After checking the LBAs:
Setting from BeamServer "196" -> 0
More tests: setting "7" -> "7", "6" -> "0", "128" -> "0", "252"->"0"
Theory: "The damn thing is broken!"

LBAs

RCUs 74 and 112 have oscillating dipoles (i.e. lots of additional power).

RCUs 8,12,54,68,72,78,82,130,138,148,150,152,164,178 have reduced power

2011 September 20

M. Kuniyoshi and A. Horneffer did:

1) Installed the Dell machine

So lofar1a, lofar2a, lofar3a and lofar4a are available from the MPIfR side. The LOFAR side of the network is physically connected but needs to be configured on the lofar-switch.

The port-numbers on the lofar-switch are: lofar1a -> port 9; lofar2a -> port 10; lofar3a -> port 11; lofar4a -> port 12

2) Replaced two "broken" disks in lofar2

3) Checked/replaced LBAs

LBAs with RCUnumber: 8, 12, 44, 54, 68, 72, 74, 78, 82, 86, 92, 130, 138, 148, 150, 152, 164, 178 showed no or low power when checked.

We pulled and re-plugged RCUs 8, 44, 68, 68, and 72, after that RCU was there with reduced power (compared to no power before) and on change in the other RCUs.

We replaced "antenna heads" of LBAs: 44/45 and 86/87 with replacements from ASTRON (old model, used in CS1 or so).