2013 June 4

One disc in lofarB1 broke apparently late on June 2nd, disk was replaced by Effelsberg personel, computer is offline. (OS needs to be re-installed.)

2013 June 07

JMA

LBA:

RCUs 70 and 106 are broekn (flat response as if lying down)

RCU 74 has weird spectrum

HBA:

RCUs 54,55 have bad spectra

Report from Henri Muelman at ASTRON

E-Mail_Henri_Meulman

2013 June 17

lofarB1 has been re-installed on June 14th.

During the re-install it happened that the ethernet-interfaces were assigned incorrectly: one of the (unused) 10 GBit interfaces was configured as eth1, but as it isn't connected to the LOFAR-switch it cannot be used for data recording.

The correct assignment is:

eth0 (first 1 GBit): HWaddr=00:19:99:ba:42:ca

eth1 (second 1 GBit): HWaddr=00:19:99:ba:42:cb

Both 10 GBit interfaces (HWaddr=00:19:99:bc:7e:64 and HWaddr=00:19:99:bc:7e:65) are currently unused.

2013 June 25

1st day of maintenance visit

Henri Meulman from ASTRON visited, Klaus Schlich, Andreas Horneffer, and James Anderson helped with maintenance.

IIRC (meaning I may have missed stuff, AH) the following was done:

- replaced one HBA FE module (tile 54 (RCUs 108/109), element 9)

- tightend several connectors in HBA tiles (among others in tile 9 (RCUs 18/19), element 15)
- removed corrosion from several connectors in HBA tiles (among others: tile 9 (RCUs 18/19), element 16)
- taped up LBA cables to prevent (more) water from getting into the cables: RCUs 150/151 (LBA 75), RCUs 108/109 (LBA 54)
- replaced some LBA heads (among others, RCUs 106/107 (LBA 53))
- replaced part of the cable to LBA 34, RCUs 68/69, see below:

Both cables to LBA 34 (RCUs 68/69) were cut into, on the X-cable the cut went all the way to the central core (see left image below). The X-cable showed corrosion on the central core and the shielding, we cut that cable at a place still below the antenna where there was still some corrosion and installed a temporary replacement. The Y-cable did not show corrosion on the central core, but did show heavy corrosion on the shielding, so that the first tries to attach a working connector were unsuccessful. We had to cut away several meters of cable to get to a part where the corrosion was reduced enough so that we could install a working connector for a temporary replacement (see right image below).