Torun Station Report

(August 22nd, 2011)

Brief Report of Recent EVN Session Problems

The **February-March 2011 session** generally passed with only minor problems but one experiment (EG052A at Methanol band) got lost due to mis-set LO.

There were more problems in the **May-June session**. One of the 8 BBCs (numbered 6) was unlocked during the entire session rendering data from it useless. Also of considerably degraded quality (if useful at all Tsys being so high) are data recorded during the C-band part of this session because of failing receivers. We had also problems with some disk-packs (DP). Conditioning of four (out of 26) DP indicated formatting errors (some due to broken disks). All were repaired by replacement of disks or just swapping disks within the same pack.

In both the sessions automatic ftp-file extraction (for near real-time fringe tests) did not work in our installation (for unknown reason) so we had to do the job manually (which is quite troublesome and leads to some delays in delivery of these data).

Post-session calibration results (Tcal and Tsys) are presented graphically under these links: http://www.astro.uni.torun.pl/~kb/Reports/Cal2011-1/Sesja11-1.html and http://www.astro.uni.torun.pl/~kb/Reports/Cal2011-2/Sesja11-2.html

Personnel Changes

There were no changes in this area.

Changes/Upgrades Made to Hardware/Software

Before May session the Mark5A firmware was upgraded to version 12.13 (2011-04-13) but there appeared communication problems and we had to degrade it to version 12.06 (2008-12-09).

Current software versions are as follows:

• Mark5A OS is Debian "Etch" version 4.0 with the package mark5a_1.0.2-i386.deb

• Mark5A application code is Mark5A2007y.225d

• The StreamStor driver version is 9.21

• FS 9.9.2 version is still used but an upgrade is planned before session 3.

A DDBC unit has been acquired in July 2011 but cannot yet be used because, due to financial limitations, the required Mark5B+ recorder is planned only for the next year.

e-VLBI

Our station has participated in all regular and testing experiments organized by JIVE.

Kaz Borkowski, Magda Kunert-Bajraszewska & Eugeniusz Pazderski