April 8, 2013

Effelsberg Station Report

The new Field System 9.11.1 allows true continuous calibration and is now in use for Effelsberg DBBC. This has allowed an overdue update of our rxg files. Perl code to perform calibration in 80Hz continuous-cal mode has been written. This produces files in 'tsm' and 'antabfs' format. It will not work with on-off cal, or for DBBC units which have only two ADCs.

An FS facility to control the NRAO RDBEs has been added as station code. One RDBE is currently in regular use to support 2Gbps observations with VLBA and GBT as part of High Sensitivity Array, using the poly phase filter bank mode. NRAO recently started to use DDC mode with channel bandwidths of 128MHz, the FS implementation to control this mode is not complete yet.. Calibration files are produced in 'tsm' format. Effelsberg RDBE code has also been installed at Arecibo, which has 4*RDBE.