

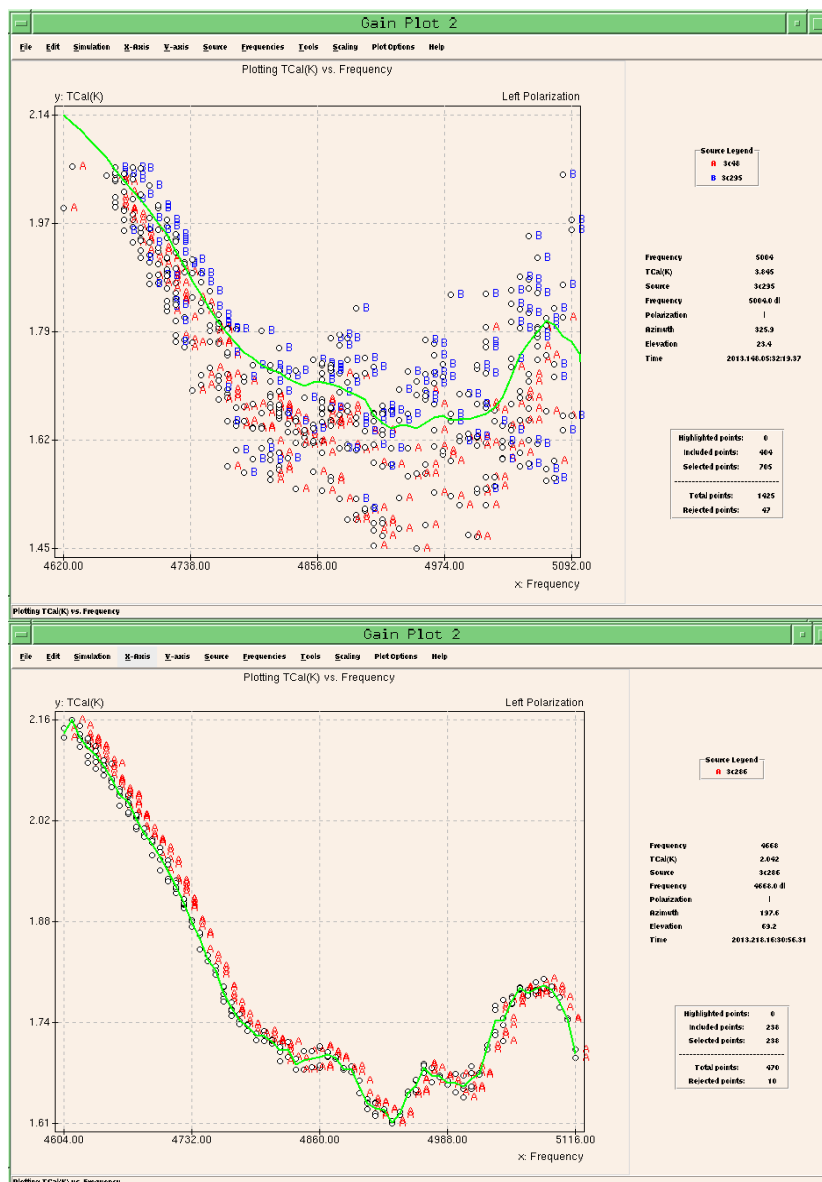
Effelsberg Station Report

Effelsberg has upgraded all Mark5s (a Mark5B+ and Mark5C) to SDK 9.2. The firmware seems to run fine, one can record 16 TB disk packs, but it also comes with disadvantages. It is not possible to erase disk packs in Bank B anymore. Disk packs have to be changed back and forth for testing, which is annoying.

The DDBC is running on firmware V104_2, which is the most recent DDC software version. It supports variable gain settings for every BBC and increases the accuracy for Tsys and Tcal measurements (see plots below). The Field System was updated to version 9.11.4.

As part of the High Sensitivity Array Effelsberg is regularly using the RDBE in poly phase filter bank (PFB) and digital down converter (DDC) mode. The control of the DDC version is still not perfectly well understood. NRAO started to record DDC data in VDIF format, but that is not implemented at Effelsberg right now.

A new K-band receiver will be installed during the week of the TOG meeting. It will be not available for the Feb/Mar EVN Session, but depending on the progress of commissioning it might be available for the May/June Session.



DDC Version V102

DDC Version V104_2