

1) Antenna and receivers:

Activities to install the infrastructure for the frequency agility are going ahead with the detailed plan to implement the mechanical modifications and the new electronic section to handle the switching between bands in few seconds for receivers in the secondary focus or few minutes for changing between primary and secondary focus or viceversa. All the parts for the primary focus receiver have been acquired and the assembly is going on.

Two receivers operating in the range 80-100 GHz for secondary focus have been acquired from IRAM and as soon as available they will be adapted to the new vertex configuration. A dedicated signal focusing will be necessary to take into account deformations in the secondary mirror. The completion is expected before the end of 2013.

2) H-Maser: A new maser has been acquired from T4Science and is expected for the installation in October of this year. The old EFOS-5 will be modified to still be maintained active in parallel with the new for the time this will be possible.

2) Network:

The upgrade to 10Gbps was still not implemented but is necessary for starting the observation experiments at 4Gbps, today possible with the latest implementation of the FILA10G interface (DBBC->network).

3) DBBC: The upgrade of the DBBC system is under way. Most of parts are already available and the latest experiments have been realised with such digital backend. The completion will be realised with the introduction of the last parts and the FILA10G interface probably in summer.

A further upgrade will be realised later, as soon as possible, with the expansion at VLBI2010 (eight instantaneous bandwidth 1 GHz).