

## Observatories Report

### **Istituto di Radioastronomia**

TOG Meeting, April 2013

Medicina station

Period July 2012 - March 2013

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#### 1) DBBC:

- DBBC has been delivered and installed. Preliminary test successfully done. In order to perform further tests we need the Mark5C to be back (see below) and two VSI cables to connect DBBC to the FILA10G board (on the way).

#### 2) Mark5

- Our Mark5C was repaired and shipped back by Conduant. We expect to be back within one or two weeks.

- The acquisition of new disks for two total 32TB was finalized. Two 16TB packs were added to EVN pool.

#### 3) Receivers:

- The new dual feed system in K band (18-26GHz) has been mounted on the antenna. VLBI fringes were detected in session 1 2013.

#### 4) Antenna

- A new H-Maser is now installed. A new value for station clock offsets was provided.

#### 5) e-vlbi:

- A 4 Gbit/sec (sustained) transmission test between our DBBC and Bologna has been completed successfully.