

Observatories Report

Istituto di Radioastronomia

TOG Meeting, June 2012

Medicina station

Period Sep 2011 - June 2012

A. Orfei. A. Orlati,

1) DBBC:

- It is in progress the purchase of the DBBC.

2) Mark5

- The board to upgrade our MK5B+ to a MK5C is now available.
- The StreamStor Amazon card has been sent to Conduant to be repaired
- The acquisition of new disks for a total 32TB is in progress.

2) Receivers:

- The construction of the new dual feed system in K band is in progress. We hope to be ready for the coming summer.
- Funds are available to repair the primary focus receivers box and for constructing a new receiver, which range of frequency has to be decided.

3) Antenna

- The complete substitution of the cryogenic pipeline and compressor has been completed.
- The 6cm receiver refrigeration has been repaired and it is cooled down since the may-june 2012 session.
- A purchase order for a new H-Maser is under completion

4) e-vlbi:

- The upgrade to 10Gb/s of the fiber optic link is complete. A full bandwidth (no data drop) e-vlbi observation has been carried out.