

Observatories Report

Istituto di Radioastronomia

Noto station

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1. Antenna, Receivers and Microwave Technology

- One of the antenna wheels has been damaged and the operations were stopped just at the end of the march session. Moreover the antenna rail is in bad conditions and needs to be restored. The repair works could take place, hopefully, by the middle 2011.
- The 86 GHz receiver has been modified and waits the antenna repair to be tested.

2. Station maintenance

- A number of maintenance works have been scheduled in the meantime:
 - A) receivers maintenance (cal tone check, creation of check panels to monitor vacuum, temperature and so on)
 - B) installation of a optical fiber line from the vertex to the control room
 - C) check of the vlbi terminal and first check in view of DBBCs installation
 - D) integration of the SX and the XKa receivers to perform space science experiments

3. Acquisition Terminal

- A complete system of DBBC can be installed at Noto. Given the antenna fault there is time to upgrade the DBBC system to operate with the Mark5 C.