

Irbene RT32 Station report, 2011 January

Receivers status

C band receiver has installed without cryogenic system and tested.

12 GHz non cooled receiver has installed and tested.

327 MHz feed and receiver has installed and tested.

DBBC/Mark5 status

DBBC is still under upgrade at MPIfR.

Tracking and pointing system status

Two serious crashes happened during the observation time at 2010 October – the elevation motor and one of azimuth amplidyne crashed. The motor had been repaired. The crashed amplidyne had been replaced by another one and have to be repaired now. The antenna movement is still in order now but need to be tested and adjusted permanently. The total upgrade and replacement of the antenna electromechanical part is planed.

The linking of the antenna tracking and pointing software within Field System is underway.

Other interferometry activities

Three observational sessions had been realized for space debris interferometry radiolocation program with NIRFI, Nizhniy Novgorod, Russia. There are used C band and 327 MHz receiver, Mark 2 set of video converter+ formatter+ recorder and NRTV terminal.