

Observatories Report

Medicina Station

EVN TOG meeting, February, 2016

June 2015 - February 2016

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1) Antenna

a) The antenna structure has been painted and the antenna basement was restored and painted before the summer session.

b) The IF bandwidth of the receiver has been reduced to get rid of very strong RFI at the beginning of the 6cm band as well as at its end, both together affecting the attenuation setting of the AGC of the DBBC.

The new IF limits are 100-500 MHz, consistent with the current 6cm VLBI setup.

2) DBBC + FILA10G + Mark5C

a) DBBC firmware version is currently V105_1 and V105_1E

b) The release 2.7.1 of jiveab has been installed

c) VDIF data format has been definitely adopted

d) A successful fringe test performed with PFB (16 polyphase filters, 32Mhz each) firmware was recently performed

e) By now, the Medicina contribution to the pool is 72 packs for an amount of 540.5 TB.

3) Field System

a) we currently running release 9.11.8