

# SRT station report

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This report covers the period between April '18 - September '18

## Antenna

The re-commissioning after the refurbishment of the primary mirror (painting) and the active surface system is at its final state including an holography and photogrammetry campaign expected in mid October.

## Receivers

The L/P-band receiver, the K-band and the M-band receivers are available.

The hardware required to implement continuous calibration (80Hz) is ready. We plan to install and test the system sometime within next months.

## VLBI sessions

SRT successfully took part to all the EVN session II - 2018

## VLBI terminal and Field System

VLBI backends (DBBC2 and MARK5C) are updated to the latest firmware and software versions and fully operational.

INAF agreed to fund the upgrade to 2Gbit recording (Flexbuff and expansion of disks pool of 360TB each): the tender is at its final stage and the shipment of the flexbuff to JIVE and SRT are expected in the next weeks.

## Fiber link

SRT is now connected to the GARR backbone at 1Gbit/sec.

We joined some e-vlbi tests and in the whole recent RM015 experiment.

For the future, SRT will be available for all the e-vlbi sessions.

The upgrade of the link to 10Gbit/sec is expected by the end of the year.