

SARDINIA RADIO TELESCOPE

Station status report September 2016 – May 2017

EVN – TOG meeting – Ventspils 21-22/05/2017

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1) General information

Starting from April 1th, there were some modifications in the management of SRT:

- a) Andrea Orlati and Carlo Migoni are the new Heads of Operations
- b) Gabriele Surcis is the new VLBI-friend

2) Antenna

The SRT is offline since December 2016 for repair works of the active surface and migration to the new control room.

The repair work is expected to be completed by September 2016 then followed by the new system tests, calibration, and commissioning. The beam-maps at L- and C-band will be provided as soon as the antenna is back.

We take advantage of this stop of the operations to migrate the control and equipment/shielded rooms to the new completed buildings; commissioning of the systems migrated to the new location and of conducting observations from the new control room will then take place.

Overall, the SRT operations are expected to restart at some time at the end of 2017 or in the first months of 2018. Exact date will be communicated at a later stage when closer to resume operations.

The L-band receiver has been repaired and it will be back online by the end of the SRT active surface repair work.

3) DBBC

- Installed firmware 105_1 and 105E_1
- Tested the new DDC firmware (105_2) and PFB (16_1)
- Fila10G firmware: 3.3.3_1
- No issue to report.

4) MK-V C

- Installed jive5ab 2.7.1 version.
- No issue to report.

5) Field System

- Installed 9.11.15 version

6) Disk packs

Plan to contribute with a new order of 10000 € in the next months

7) Summary of EVN observations

Session III 2016

1.3 cm: N16K2, EP099B

Session I 2017

The SRT is offline for repairing works of the active surface

Session II 2017

The SRT offline for repair works of the active surface