

## **Station report for EVN TOG meeting,**

**February 8, 28021.**

**Irbene station, Ventspils.**

### **Irbene Ir – RT-32 radio telescope**

Since the last report, RT-32 has been working quite stably and participated in all EVN disc and e-VLBI sessions. Both cryogenic C/M/X and “warm” L-band (2 circular polarizations) receivers are available for VLBI observations. Some interruptions were due to minor technical and weather problems.

### **Irbene Ib – RT-16 radio telescope**

Currently RT-16 serves as backup instrument for VLBI and single dish observations at C/M/X bands, in case if there are issues or maintenance at RT-32. Currently, Hydrogen maser is on service, until 2022 summer.

### **Developments:**

No new development or upgrades.

### **VLBI equipment status**

#### RT-32:

Field System: 9.13.2 (Debian Wheezy).

DBBC: 4xADB3L, Internal Fila10g, DDC v107;

Continuous calibration: implemented on RT-32 C/M/X band receiver.

#### RT-16:

Field System: 9.13.2 (Debian Wheezy).

DBBC: 4xADB2, External Fila10g (only one VSI connection right now), DDC v107

#### Flexbuffs:

1. Capacity: 32 TB, jive5ab: 3.1.0 64bit on Ubuntu 20.04.1 LTS

2. Capacity: 288 TB (36x8TB), jive5ab: 3.1.0 64bit on Debian 9.13 Stretch.

All EVN recordings are done with Flexbuffs and data transfer to Irbene Flexbuff at JIVE works fine.

Backup units: two Mark5c+ Glapper, jive5ab: 2.8.1 64bit, AMAZON,10GbE;

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