



Borowiec, 16.08.17

CALIBRATION CERTIFICATE 10/2015

Astrogeodynamical Observatory Space Research Centre (SRC) certifies that:

- From September 13th 2015, 00:00 UTC, till September 18th 2015, 14:46 UTC the following set of instruments supplied by:

Piktime Systems Ltd
company having its registered office at:
Mazowiecka 59, 60-623 Poznań, Poland

was calibrated by a **Common View** method at the Time and Frequency Laboratory of the Observatory:

- TTS-5 receiver, s.n. 1002,
 - RingAnt-G3T antenna, sn. 0650,
 - Antenna cable assembly (TTS5-1002).
- The calibration was carried with respect to the main GPS/GLONASS s.n. 112 TTS-4 receiver at the Observatory.
 - The s.n.112 receiver was several times calibrated against traveling receivers from BIPM Time Section.

The calibration yielded the following results:

- Differential delay of the calibrated receiver for **RingAnt-G3T antenna, sn. 00650:**
GPS, LIC: -32.06, RMS: 0.50 ns
GLONASS, LIC: -242.63, RMS: 1.09 ns
- Antenna cable assembly TTS5-1002: 292.02, RMS: 0.5 ns

After the calibration, the obtained results were implemented into the receiver.

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