



Borowiec, 18.02.13

CALIBRATION CERTIFICATE 10/2012

Astrogeodynamical Observatory Space Research Centre (SRC) certifies that:

- From January 21st 2012, 08:42 UTC, till January 29th 2013, 06:18 UTC the following set of instruments supplied by:

Piktime Systems Ltd
company having its registered office at:
Cytrynowa 22, 62-002 Poznań, Poland

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

- TTS-4 receiver, s.n. 142,
- RingAnt-G3T antenna, s.n.: 00455,
- Antenna cable assembly (TTS4-142)

- 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:

GPS, L1C: -35.85, RMS: 0.50 ns

GLONASS, L1C: -243.94, RMS: 1.50 ns

Antenna cable assembly: 144.76 ns, RMS: 0.5 ns

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

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