

CALIBRATION CERTIFICATE 9/2012

Astrogeodynamical Observatory Space Research Centre (SRC) certifies that:

- From November 14th 2012, 18:14 UTC, till November 29th 2012, 06:22 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. 135,
- RingAnt-G3T antenna, s.n.: 0634,
- Antenna cable assembly (TTS4-135),
- 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: -23.20, RMS: 0.5 ns

GLONASS, L1C: -228.61, RMS: 1.0 ns

Antenna cable assembly: 139.96 ns, RMS: 0.3 ns

Dr Jerzy Nawrocki

Head, Time and Frequency Departament

Astrogeodynamical Observatory, Space Research Centre, Polish Academy of Sciences

Ul. Drapałka 4

62-035 Kornik

Borowiec, Poland

Phone: +48 61 8170-187, fax: +48 61 8179-219, E-mail:nawrocki@cbk.poznan.pl