



CALIBRATION CERTIFICATE 7/2011

Astrogeodynamical Observatory Space Research Centre (SRC) certifies that:

- From Sept. 18th 2011 10:15 UTC, till Sept. 25th 2011 23:06 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. 125,
- GrAnt-G3T antenna, s.n.: 00397,
- 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: -24.26, RMS: 0.9 ns

GLONASS, L1C: -229.09, RMS: 1.4 ns

The calibration did not include the antenna cable.

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

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