



SPACE
RESEARCH
CENTRE
POLISH
ACADEMY
OF SCIENCES

Borowiec, 29.12.11

CALIBRATION CERTIFICATE 8/2011

Astrogeodynamical Observatory Space Research Centre (SRC) certifies that:

- From February 28th 2011 00:00 UTC, till March 3rd 2011 09:10 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. 109,
 - GrAnt-G3T antenna, s.n.: 00418,
 - Antenna cable, 28 m length, (TTS4-109),
- 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: -19.16, RMS: 0.6 ns

GLONASS, L1C: -224.17, RMS: 0.8 ns

61 m antenna cable (TTS4-127): 112.12 ns, RMS: 0.5 ns

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