



Borowiec, 31.07.2018

## CALIBRATION CERTIFICATE 07.2/2018

Astrogeodynamical Observatory Space Research Centre (SRC) certifies that:

- From Jul. 09<sup>th</sup> 2018, 06:00 UTC, till Jul. 31<sup>th</sup> 2018, 10:00 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-2 receiver, s.n. 053,
- GPS L1 antenna, sn: 4-012003
- Antenna cable assembly (TTS2-053),

- 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, in particular, in January 2017 against absolutely calibrated BIPM BP1K receiver..

**The calibration yielded the following results:**

Differential delay of the calibrated receiver:

GPS, L1C: = -25.7, RMS: 1.05 [ns],

Antenna cable assembly TTS2-053: 178.0, RMS: 0.5 [ns].

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

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