

GPS calibration of CNES receiver at OP (1101-2016)

Summary

In April 2016, GNSS equipment owned by CNES was installed at OP and calibrated against OP's permanently installed reference station OPMT, a Group1 reference system. The method of calibration is the “golden system calibration” which comprises just one period of data taking at OP.

The operation and report of measurements at OP are described in the [report by OP](#).

- **Final results for the calibrated systems**

The INTDLY values of the CS22 receiver given in Table 1 have been computed by OP using INTDLY values of OPMT available at the time of the calibration. They should not be updated to reflect later changes in the conventional INTDLY values of OPMT.

The uncertainty for a P3/PPP link involving CS22 is $U_{CAL0} = 4.0$ ns at the time of calibration, as given conventionally to “golden system calibrations”.

Changes in the set-up of the receivers after the calibration must be accounted for as described in section A.3.6 of the Calibration guidelines v3.2 in <ftp://ftp2.bipm.org/pub/tai/publication/gnss-calibration/guidelines/>.

Table 1. Final P1/P2 INTDLY values from the 1101-2016 trip. Values of REFDLY and CABDLY during the calibration and the resulting P3 Total delay TOTDLY are also indicated for reference (all values in ns).

System	BIPM	Date	INTDLY P1	INTDLY P2	REFDLY	CABDLY	Note	TOTDLY P3
CS22	CS22	2016.3	60.3	66.4	240.6	204.8	(1)	15.1

Notes:

(1) The REFDLY and CABDLY values represent the set-up during the measurements at OP.