

**BUREAU INTERNATIONAL DES POIDS ET MESURES**

Key comparison CCTF-K001.UTC - Results  
 Degrees of equivalence  $D_k = [UTC - UTC(k)]$  for January 2023  
 Computed 2023 FEBRUARY 09, 14h UTC

Coordinated Universal Time **UTC** and its local realizations **UTC(k)** in National Metrology Institutes and Designated Institutes.

Computed values of  $[UTC - UTC(k)]$  and uncertainties valid for the period of this publication

Date 2022/23 0h UTC	JAN 5	JAN 10	JAN 15	JAN 20	JAN 25	JAN 30	Uncertainty/ns
MJD	59949	59954	59959	59964	59969	59974	
Laboratory <i>k</i>	$[UTC - UTC(k)]/ns$						$U_k$
BelGIM	1.0	2.3	3.0	2.2	1.9	2.2	6.6
BEV	13.2	0.8	-8.0	0.2	-0.7	-15.0	5.8
BFKH	6464.3	6493.3	6527.5	6564.4	6597.3	6631.8	40.2
BIM	17168.0	17212.6	17221.5	17258.2	17298.4	17347.0	14.6
BMM	-	-	-	-	-	-	
BOM	-	-	-	-	-	-	
CENAM	-4.2	-3.5	-3.4	-0.8	-4.1	-2.7	8.8
CENAMAP AIP	5.2	-3.7	-6.8	11.2	-2.6	-1.1	10.6
DEF-NAT	7244.8	7338.1	7446.4	7542.8	7652.3	7766.7	40.0
DFM	-9.6	-11.3	-13.6	-15.4	-8.4	-10.5	5.8
DMDM	-0.2	21.6	18.8	9.8	-6.6	-13.4	7.6
EIM	-	-	-	-	-	-	
EMI	15.2	14.8	28.6	36.3	23.0	23.1	17.6
ESA	1.1	1.5	1.6	2.1	2.3	2.2	5.6
FTMC	591.2	576.4	576.1	571.0	558.2	565.5	6.8
GUM	4.9	5.1	5.6	5.4	4.3	4.0	5.8
ILNAS	7.2	0.1	2.7	10.2	17.1	14.0	5.8
IMBIH	-3.6	-1.7	0.3	3.5	0.0	-4.9	5.8
INACAL	-	-	-	-	-	-	
INM	-104.7	-136.2	-166.6	-113.3	-7.5	96.5	15.6
INM(CO)	91.7	75.1	62.8	54.6	29.9	12.3	40.2
INMETRO	57.6	63.3	59.1	37.7	18.4	-5.6	6.0
INPL	-9.9	-6.3	2.3	7.7	11.8	15.1	15.0
INRIM	1.1	2.3	2.6	2.6	1.6	0.7	4.0
INTI	225.4	231.6	223.6	219.8	206.6	198.5	6.4
IPE/ASCR	28.3	39.0	50.1	50.0	53.9	48.4	5.8

IPQ	707.8	717.6	714.4	719.5	717.7	717.2	5.8
JV	5.6	5.6	6.3	6.6	4.5	3.5	9.2
KazStandart	-1.8	-2.1	-1.7	-1.0	-0.2	-0.2	8.6
KRISS	4.6	4.4	3.8	2.8	1.9	1.8	7.0
LAMETRO-ICE	-56.6	-88.2	-63.0	-75.8	-90.5	-66.7	16.4
LNE-SYRTE	2.3	2.8	3.0	2.6	2.3	1.8	3.4
MASM	-674.7	-694.6	-717.4	-734.2	-755.4	-770.2	6.6
METAS	-0.4	0.6	1.0	-0.2	-1.5	-1.3	3.6
MIKES	-3.3	-2.7	-2.1	-1.8	-1.6	-1.1	6.0
MIRS/SIQ/Metrology	8.9	-0.9	-6.0	-20.3	-16.1	-15.9	7.8
MSL	42.3	29.2	32.1	25.2	28.3	25.1	14.4
MUSSD	-	-	-	-	-	-	-
NICT	-1.1	-2.6	-1.5	0.0	1.1	0.7	4.2
NIM	1.9	1.7	1.7	1.8	2.2	2.0	4.2
NIMT	28.1	21.0	24.4	24.5	25.3	27.2	5.8
NIS	-16.2	-18.8	-20.2	-14.7	-10.1	-6.7	14.4
NIST	0.8	1.4	1.6	1.9	1.6	1.1	5.4
NMC, A*STAR	-5.4	-12.3	-14.1	-2.9	21.1	17.3	6.6
NMIA	-570.3	-552.3	-542.2	-528.9	-531.3	-534.0	22.4
NMIJ AIST	43.3	46.1	48.9	50.6	51.9	51.1	5.8
NMIM	-	156.2	83.5	25.1	-5.0	-38.9	7.6
NMISA	-0.2	4.6	-0.8	-1.0	3.3	0.7	6.6
NPL	-0.3	0.1	0.7	-0.3	-2.1	-2.4	3.6
NPLI	2.4	2.4	2.0	1.9	1.7	1.6	6.6
NRC	-11.8	-10.9	-10.6	-10.4	-8.4	-8.9	7.0
NSAI NML	1.4	5.5	7.7	3.0	8.4	8.2	14.6
NSC IM	-32.5	-	-	-28.8	-21.7	-12.0	15.0
ON/DSHO	14.4	5.7	-0.7	5.5	9.0	4.3	6.0
PTB	1.3	1.6	1.8	1.6	1.4	1.2	2.0
RISE	0.0	0.2	0.2	0.1	0.2	0.0	3.8
ROA	0.1	0.8	0.8	0.7	0.0	-0.6	3.8
SASO-NMCC	-372.3	-374.7	-373.8	-379.3	-384.3	-388.2	7.0
SCL	43.3	44.9	43.5	44.4	37.1	47.3	6.8
SMD	3.2	3.8	4.2	4.0	2.3	1.7	7.0
SMU	291.7	-	-	303.9	294.8	307.3	24.6
SNSU-BSN	866.1	908.4	908.6	920.6	958.7	987.2	6.6
TL	-1.9	-1.6	-0.4	1.9	1.9	1.4	4.4
UME	0.6	1.8	1.7	2.8	-1.2	0.4	7.4
VMI-STAMEQ	-11.8	-12.4	-9.0	-15.3	-19.7	-20.9	5.8
VNIIFTRI	2.9	2.5	2.8	2.3	2.7	2.3	4.6
VSL	4.5	-0.5	0.2	0.3	0.7	1.7	3.6