BUREAU INTERNATIONAL DES POIDS ET MESURES

Key comparison CCTF-K001.UTC - Results
Degrees of equivalence D_k = [*UTC* - *UTC*(*k*)] for March 2025
Computed 2025 APRIL 11, 10h 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 2025 0h UTC	MAR 5	MAR 10	MAR 15	MAR 20	MAR 25	MAR 30	Uncertainty/ns			
MJD	60739	60744	60749	60754	60759	60764				
Laboratory *k*			[*UTC* - *UTC*(*k*)]/ns				U_a	U_b	U_k	
BelGIM	0.1	-0.1	-0.3	-1.0	-0.6	-0.3	3.0	6.2	6.8	
BEV	12.6	17.0	26.6	33.7	32.8	31.2	0.4	6.0	6.0	
BFKH	1641.4	1691.0	1742.1	1794.1	1839.5	1886.4	1.4	14.2	14.2	
BIM	3430.2	3470.6	3518.5	3568.7	3613.3	3659.2	0.4	5.4	5.4	
BMM	2938.0	2953.6	2977.2	2998.3	3021.3	3047.7	0.4	5.8	5.8	
BSJ	30.0	27.2	35.1	47.8	57.7	28.0	14.0	14.2	20.0	
CENAM	-1.2	-4.3	0.9	18.0	-4.2	6.1	6.0	8.8	10.6	
CENAMAP AIP	5.2	3.3	4.5	14.0	1.0	2.8	0.4	11.0	11.0	
DEF-NAT	-8098.2	-8184.9	-8282.5	-8384.7	-8477.4	-8573.6	1.4	5.4	5.6	
DFM	-1.3	-2.1	-2.6	-2.5	-3.4	-4.1	0.4	5.6	5.6	
DZM	88.5	93.0	107.7	114.9	121.8	120.4	0.4	5.4	5.4	
EMI	-355.1	-507.4	-661.8	-810.1	-955.4	-1108.1	0.4	NC	-	(*)
ESA	-0.6	0.0	0.4	0.2	-0.6	-0.9	0.4	5.6	5.6	
FTMC	821.2	825.0	839.5	852.5	867.4	875.9	0.4	5.4	5.4	
GUM	3.6	3.9	4.1	4.5	4.6	4.8	0.4	2.0	2.0	
IBMETRO	355.2	364.5	-	-	361.4	354.4	8.0	15.2	17.2	
ILNAS	21.7	30.0	10.1	0.4	-8.7	-6.0	0.4	5.4	5.4	
IMBIH	4.7	2.4	3.4	6.4	4.8	3.1	0.4	5.6	5.6	
INACAL	-15.7	-19.8	-3.3	-17.4	-20.4	1.3	10.0	NC	-	(*)
INM	-	-	-	-	-	-				
INM(CO)	-6.8	-21.5	-22.7	-18.9	-9.3	-6.9	6.0	NC	-	(*)
INMETRO	2.1	3.5	-1.7	-0.9	-1.9	4.0	0.4	6.6	6.6	
INPL	-57.0	-64.8	-69.4	-64.5	-69.5	-72.6	0.4	15.2	15.2	
INRIM	0.9	1.2	1.6	1.7	1.5	1.4	0.4	2.0	2.0	
INTI	262.7	260.1	250.7	245.4	253.5	248.2	0.4	6.8	6.8	
IPE/ASCR	8.7	11.4	22.1	25.4	26.8	16.4	0.4	6.0	6.0	
IPQ	1776.8	1786.1	1802.6	1799.2	1799.8	1810.9	1.4	6.0	6.2	

JV	-0.7	-1.3	-1.4	-1.6	-1.1	-0.1	0.4	9.6	9.6	
KazStandard	-2.4	-2.7	-2.8	-2.2	-1.3	-1.1	1.4	8.6	8.8	
KRISS	-3.0	-2.2	-2.4	-2.2	-0.9	-0.2	0.4	6.0	6.0	
LAMETRO-ICE	-18.6	-41.0	-33.8	-27.5	-24.1	-33.7	0.4	14.2	14.2	
LNE-OP	0.9	1.2	0.6	0.1	0.5	-0.3	0.4	2.0	2.0	
MASM	-1071.1	-1013.0	-936.9	-730.9	-849.2	-1211.4	2.0	7.0	7.2	
METAS	-0.2	0.0	0.1	0.5	0.7	1.0	0.4	2.0	2.0	
MIKES	-2.5	-3.0	-2.2	-0.2	1.0	3.1	0.4	5.4	5.4	
MIRS/SIQ/Metrology	977.3	986.2	1000.5	996.8	1005.4	999.8	0.4	8.2	8.2	
MSL	-6.7	3.8	11.0	14.7	13.6	26.1	1.4	5.8	6.0	
NICT	1.9	2.0	2.1	1.6	1.0	1.3	0.4	3.8	3.8	
NIM	1.6	1.7	1.5	1.5	1.4	1.0	0.4	3.8	3.8	
NIMT	12.4	21.9	11.9	11.1	9.1	6.0	0.4	5.8	5.8	
NIS	41.8	46.6	45.8	43.4	43.0	38.2	1.4	14.4	14.4	
NIST	-0.3	-0.2	-0.0	0.3	-0.1	-0.6	0.4	4.0	4.0	
NMC, A*STAR	5.1	5.1	-1.8	-3.8	6.2	7.3	0.4	5.4	5.4	
NMIA	-2.3	3.3	0.6	-0.9	-9.8	8.8	0.4	6.0	6.0	
NMIJ AIST	-12.3	-11.0	-5.6	3.5	17.9	17.0	0.4	5.8	5.8	
NMIM	-228.4	-240.1	-238.6	-240.1	-245.0	-245.7	0.4	5.4	5.4	
NMISA	-23.4	-0.1	3.3	8.4	-6.4	11.1	14.0	7.0	15.6	
NPL	1.1	0.3	2.0	3.8	0.6	0.7	0.4	2.0	2.0	
NPLI	0.7	0.7	0.7	0.7	0.8	0.9	0.4	5.4	5.4	
NRC	-0.2	-0.4	-0.4	-0.3	-0.3	-0.5	0.4	5.4	5.4	
NSAI NML	-37.7	-39.7	-23.0	-21.4	3.3	23.8	0.4	14.6	14.6	
NSC IM	-0.6	-8.7	1.3	0.1	-1.8	-1.6	6.0	15.0	16.2	
ON/DSHO	3.3	-0.6	4.1	-0.0	-2.4	1.4	0.4	6.4	6.4	
PTB	0.0	0.0	-0.1	-0.1	0.1	0.1	0.4	2.0	2.0	
RISE	-0.5	0.0	0.2	0.5	0.8	1.1	0.4	2.0	2.0	
ROA	-2.9	-1.6	-1.9	-1.5	-1.2	-0.4	1.0	2.0	2.2	
SASO-NMCC	324.2	335.3	343.8	359.2	368.8	379.8	0.4	7.4	7.4	
SCL	-18.1	-11.5	-8.9	-3.5	-1.9	7.7	0.4	7.4	7.4	
SMD	1.1	1.1	1.4	1.1	1.0	0.7	0.4	8.0	8.0	
SMU	-	-	-	-147.6	-214.9	-226.1	1.4	NC	-	(*)
SNSU-BSN	-729.4	-736.4	-727.3	-740.1	-734.1	-736.8	0.4	NC	-	(*)
TL	1.8	2.4	2.1	2.6	2.6	3.2	0.4	3.6	3.6	
UME	-2.0	-2.6	-2.1	-2.7	-5.9	-5.2	0.4	8.0	8.0	
UzNIM	-25.6	-12.0	-2.0	2.4	-2.6	3.2	0.4	14.2	14.2	
VMI-STAMEQ	100.1	103.3	69.4	35.9	10.7	-3.4	1.4	5.6	5.8	
VNIIFTRI	0.1	-0.2	-0.1	-0.3	-0.4	-0.5	0.8	4.2	4.2	
VSL	0.7	1.1	1.2	1.0	0.5	0.0	0.4	2.2	2.2	
ZMDM	44.4	22.7	7.4	-	-21.6	-	0.4	14.8	14.8	

(*) $\boldsymbol{U_a}$ expanded uncertainty guarantees only the traceability in frequency