BUREAU INTERNATIONAL DES POIDS ET MESURES

Key comparison CCTF-K001.UTC - Results
Degrees of equivalence $D_k = [UTC - UTC(k)]$ for June 2024
Computed 2024 JULY 10, 15h 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 2024 0h UTC	JUN 3	JUN 8	JUN 13	JUN 18	JUN 23	JUN 28	Uncertainty/ns			
MJD	60464	60469	60474	60479	60484	60489				
Laboratory k			$[UTC - UTC(k)]$/ns				U_a	U_b	U_k	
BelGIM	-0.6	-2.0	-2.9	-2.7	-2.3	-0.7	3.0	6.0	6.6	
BEV	-3.2	-0.7	1.3	5.0	7.5	10.0	0.4	5.6	5.6	
BFKH	10978.2	11026.9	11074.1	11122.6	11174.6	11221.8	3.0	14.2	14.6	
BIM	754.9	800.6	844.6	891.0	937.0	986.7	0.4	5.0	5.0	
BMM	1712.2	1731.6	1766.6	1795.8	1742.0	1752.9	1.0	5.4	5.4	
BSJ	17.7	32.3	20.9	17.6	30.7	31.4	14.0	NC	-	(*)
CENAM	-2.5	-4.0	-1.3	0.6	0.6	-0.6	4.0	8.6	9.4	
CENAMAP AIP	-1.8	6.5	2.8	4.1	-6.8	3.3	0.4	10.8	10.8	
DEF-NAT	-3177.8	-3252.8	-3343.2	-3436.1	-3537.8	-3620.1	1.4	5.0	5.2	
DFM	-1.5	-1.2	-1.1	-0.6	-0.2	-0.2	0.4	5.2	5.2	
DZM	5.6	17.5	24.3	31.8	29.0	35.9	0.4	5.0	5.0	
EMI	-	-	-	-	-	-				
ESA	0.2	0.3	0.2	0.1	-0.8	-1.3	0.4	5.2	5.2	
FTMC	339.2	358.7	370.1	368.1	377.1	376.6	0.4	5.0	5.0	
GUM	2.7	2.7	3.1	3.2	3.4	3.3	0.6	6.0	6.0	
IBMETRO	395.0	399.2	398.8	410.4	426.5	431.1	8.0	15.0	17.0	
ILNAS	3.6	5.5	5.7	6.9	6.1	13.2	0.4	5.2	5.2	
IMBIH	0.6	0.4	0.4	0.8	1.0	0.9	0.4	5.4	5.4	
INACAL	65.1	77.1	68.9	63.2	56.4	56.3	10.0	NC	-	(*)
INM	453.5	455.3	456.4	454.1	450.3	444.2	0.4	15.6	15.6	
INM(CO)	-145.3	-156.2	-160.9	-164.4	-174.5	-185.5	8.0	NC	-	(*)
INMETRO	6.8	-7.4	4.7	-0.4	-5.9	4.9	0.4	6.2	6.2	
INPL	27.2	21.3	17.8	5.1	-4.1	-19.3	0.4	15.2	15.2	
INRIM	-0.0	0.5	0.7	1.0	1.1	1.2	0.4	4.0	4.0	
INTI	216.2	202.1	185.7	182.1	172.2	174.2	0.4	6.2	6.2	
IPE/ASCR	0.1	5.0	3.5	10.2	12.3	2.1	0.4	5.8	5.8	
IPQ	1271.5	1278.6	1290.3	1308.4	1324.0	1332.9	0.4	5.8	5.8	

JV	0.7	0.7	0.7	0.7	0.8	-0.0	0.4	9.4	9.4
KazStandard	-0.4	-1.7	-1.2	0.2	0.9	1.4	1.4	8.4	8.6
KRISS	1.9	1.1	0.7	1.4	1.5	2.1	0.4	5.6	5.6
LAMETRO-ICE	114.0	90.9	81.7	83.5	84.9	66.2	0.4	14.0	14.0
LNE-SYRTE	-1.6	-1.3	-1.3	-0.7	-0.6	-0.0	0.4	3.4	3.4
MASM	-44.6	-178.9	-321.9	-469.7	-622.5	-766.5	1.4	6.8	7.0
METAS	-1.1	-2.0	-4.2	-3.2	-2.8	-3.1	0.4	3.4	3.4
MIKES	0.4	2.2	3.5	0.3	-4.3	-11.5	0.4	5.0	5.0
MIRS/SIQ/Metrology	392.9	416.1	421.4	429.6	432.1	430.5	0.4	8.0	8.0
MSL	-7.1	-20.6	-17.7	-5.7	-5.2	14.8	1.4	5.6	5.8
NICT	-2.5	-2.2	-2.3	-2.3	-2.4	-2.5	0.4	4.6	4.6
NIM	-1.7	-1.9	-2.1	-2.2	-2.4	-1.8	0.8	3.4	3.6
NIMT	6.6	2.0	7.7	13.4	16.1	10.3	0.4	5.6	5.6
NIS	129.3	122.3	113.5	87.9	62.0	35.3	1.4	14.2	14.2
NIST	-0.3	-0.2	-0.0	-0.0	0.0	0.1	0.4	5.4	5.4
NMC, A*STAR	1.6	0.9	-3.4	7.1	1.6	-8.1	0.4	5.0	5.0
NMIA	-160.3	-149.4	-153.6	-145.7	-132.5	-134.2	0.4	5.6	5.6
NMIJ AIST	-194.3	-156.9	-117.2	-82.4	-47.3	20.2	0.4	5.4	5.4
NMIM	-141.0	-136.6	-137.5	-131.9	-130.3	-122.3	0.4	5.2	5.2
NMISA	-12.0	-10.5	-9.3	-4.3	2.4	6.6	4.0	6.8	7.8
NPL	-1.0	-1.5	-2.7	-0.8	0.1	-0.3	0.4	3.4	3.4
NPLI	-4.9	-4.9	-4.9	-4.2	-3.5	-2.7	0.4	7.0	7.0
NRC	-1.2	-0.6	-0.5	-0.0	0.7	1.5	0.4	5.0	5.0
NSAI NML	196.3	190.6	189.0	184.7	180.1	171.4	0.4	14.6	14.6
NSC IM	3.5	10.0	0.5	-5.6	3.5	14.9	6.0	14.8	16.0
ON/DSHO	-0.2	-0.9	-4.0	-1.1	-1.4	0.2	0.4	6.2	6.2
PTB	-0.5	-0.3	-0.4	-0.3	-0.6	-0.4	0.4	3.2	3.2
RISE	-0.5	-0.0	0.4	0.5	0.9	1.1	0.4	3.8	3.8
ROA	-5.5	-5.2	-4.2	-3.8	-4.7	-4.0	1.0	3.4	3.6
SASO-NMCC	-39.9	-38.8	-37.9	-38.7	-41.1	-44.7	1.4	7.2	7.4
SCL	52.5	41.1	32.9	18.6	8.0	-0.0	0.4	7.0	7.0
SMD	-2.6	-2.1	-2.0	-2.4	-2.7	-2.7	0.4	7.4	7.4
SMU	-	-	-	-	-	-			
SNSU-BSN	-89.8	-102.1	-109.5	-124.4	-139.4	-155.7	0.4	NC	-	(*)
TL	2.1	1.8	1.3	1.0	0.6	0.4	0.4	3.2	3.2
UME	-2.4	-1.0	-0.2	-1.2	-1.8	-1.1	0.4	7.8	7.8
UTE	-	-	-	-	-	-			
UzNIM	356.7	340.9	327.9	316.9	302.0	290.1	0.4	14.2	14.2
VMI-STAMEQ	90.7	96.8	93.8	96.8	87.6	72.7	1.4	5.8	6.0
VNIIFTRI	0.9	0.9	0.8	0.7	0.4	0.5	0.4	3.8	3.8
VSL	0.4	1.5	1.5	-1.2	-2.9	-1.8	0.4	3.4	3.4

| ZMDM | -4.9 | -15.7 | -17.1 | -14.2 | -18.4 | -5.7 | 0.4 | 7.8 | 7.8 |

(*) U_a expanded uncertainty guarantees only the traceability in frequency