

**BUREAU INTERNATIONAL DES POIDS ET MESURES**

Key comparison CCTF-K001.UTC - Results  
 Degrees of equivalence  $D_k = [UTC - UTC(k)]$  for July 2021  
 Computed 2021 AUGUST 10, 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 2021 0h UTC	JUL 4	JUL 9	JUL 14	JUL 19	JUL 24	JUL 29	Uncertainty/ns
MJD	59399	59404	59409	59414	59419	59424	
Laboratory <i>k</i>	$[UTC - UTC(k)]/ns$						$U_k$
BelGIM	0.3	1.2	0.4	0.5	0.5	1.3	24.4
BEV	22.5	20.5	12.6	18.0	33.8	35.6	6.8
BFKH	2885.0	2919.2	2950.8	-	-	3041.6	40.2
BIM	14833.5	14845.0	14850.1	14863.3	14868.5	14892.4	14.4
BMM	-	-	-	-	-	-	
BOM	-	-	-	-	-	-	
CENAM	-3.5	-5.6	-2.1	6.5	9.5	7.9	23.8
CENAMAP AIP	5.1	11.6	11.6	-110.4	3.4	15.8	10.4
DEF-NAT	4111.8	4209.2	4291.1	4393.0	4486.5	4576.1	40.0
DMDM	-31.4	-26.1	-17.2	-12.0	-11.3	-14.5	6.8
EIM	6.0	0.1	-5.3	8.7	2.8	8.7	23.8
EMI	-	-	-	-	-	-	
ESA	0.0	-0.4	-0.1	0.0	0.3	0.8	5.6
FTMC	757.6	754.4	744.5	721.3	719.8	708.1	6.0
GUM	2.3	2.6	3.3	4.2	4.8	5.9	6.0
ILNAS	6.8	6.2	6.4	10.3	7.9	8.4	6.2
IMBIH	-2.3	-2.1	-0.5	-2.3	-1.2	-0.6	5.8
INACAL	421.0	538.3	95.6	-	336.1	-	41.2
INM	222.2	91.7	-67.0	165.7	235.4	172.9	15.0
INM(CO)	145.0	142.0	146.1	140.9	142.7	139.2	40.2
INMETRO	-9.6	-13.5	-17.4	-9.3	-15.2	-16.6	5.8
INPL	-54.6	-64.9	-73.8	-72.8	-76.5	-88.6	14.8
INRIM	1.2	1.0	1.1	0.6	-0.2	-1.2	3.6
INTI	125.4	25.5	54.1	110.6	64.3	95.0	40.0
IPE/ASCR	20.2	12.2	15.3	8.5	9.7	13.0	5.6
IPQ	396.0	401.6	400.3	410.0	412.9	414.0	40.0

JV	-69.8	-67.2	-64.3	-67.1	-66.9	-63.9	8.8
KazInMetr	-229.7	-242.5	-253.8	-266.0	45.2	20.3	40.0
KRISS	5.3	5.5	6.3	7.2	8.5	9.9	6.4
LACOMET	4.8	-6.6	4.6	-15.0	-8.1	-13.5	40.4
LATMB	-434.7	-443.7	-449.8	-453.6	-451.4	-455.1	24.6
LNE-SYRTE	-1.2	-1.5	-1.3	-1.1	-1.0	-0.7	3.0
MASM	-326.8	-322.8	-322.2	-315.6	-314.6	-315.8	6.0
METAS	0.6	-1.2	0.5	0.0	-1.0	-1.6	3.2
MIKES	0.7	0.6	0.8	1.1	1.1	1.1	5.6
MIRS/SIQ/Metrology	581.2	707.0	851.0	976.5	1130.9	1267.6	7.6
MSL	72.9	80.4	75.9	64.2	42.6	26.5	40.2
MUSSD	45.3	44.0	47.3	47.4	48.3	44.6	5.8
NICT	-1.4	-0.9	0.2	1.9	4.0	6.7	4.4
NIM	-1.2	-1.4	-1.4	-1.0	-1.0	-0.9	4.2
NIMT	26.9	20.8	19.0	21.9	37.1	51.2	40.0
NIS	71.0	64.6	62.6	53.6	50.8	44.3	40.0
NIST	-0.6	-1.2	-1.7	-2.2	-2.0	-1.8	4.4
NMC, A*STAR	9.7	7.3	10.1	2.8	-4.5	-9.7	6.0
NMIA	-505.4	-507.4	-510.2	-515.1	-509.5	-519.3	22.4
NMIJ AIST	2.6	2.0	0.6	0.3	-1.2	-3.0	6.8
NMIM	-1229.6	-1228.6	-1236.8	-1250.0	-1258.4	-1265.5	7.4
NMISA	6.1	3.6	-0.2	-0.2	-1.1	0.5	5.8
NPL	-1.8	-0.8	0.5	2.0	1.2	2.1	3.2
NPLI	-1.0	-1.1	-0.7	0.1	0.3	0.5	5.8
NRC	32.3	34.4	36.9	39.3	42.1	44.8	6.2
NSAI NML	-279.5	-277.8	-273.7	-277.7	-277.6	-273.8	14.4
NSC IM	-10.9	-5.6	-2.9	-8.2	-3.4	-5.1	15.4
ON/DSHO	-2.5	-1.5	1.8	-4.6	-2.3	-2.3	40.0
PTB	-0.6	-0.6	-0.4	-0.3	0.3	0.6	1.8
RISE	-0.5	-0.5	-0.2	-0.2	-0.2	-0.2	3.4
ROA	-2.7	-3.0	-2.7	-2.8	-2.0	-2.0	3.2
SASO	-2379.6	-2391.0	-2411.7	-2420.6	-2434.1	-2441.0	6.4
SCL	-74.8	-86.5	-95.7	-104.0	-75.9	-51.0	6.0
SMD	-10.8	-12.2	-10.5	-1.7	-3.7	-2.1	6.4
SMU	-21.6	-30.6	-31.1	-39.2	-44.2	-	24.6
SNSU-BSN	605.8	649.7	672.9	691.3	731.0	772.7	6.0
TL	1.1	0.8	1.1	2.1	2.0	2.5	4.4
UME	-7.8	-8.0	-8.6	-7.9	-8.9	-11.5	6.8
VMI-STAMEQ	16.0	3.5	-4.8	-4.7	-3.7	-3.3	14.4
VNIIFTRI	0.1	0.0	-0.1	0.2	0.0	-0.1	4.2
VSL	1.5	3.8	5.8	8.2	5.0	-4.0	3.2