

**BUREAU INTERNATIONAL DES POIDS ET MESURES**

Key comparison CCTF-K001.UTC - Results  
 Degrees of equivalence  $D_k = [UTC - UTC(k)]$  for August 2019  
 Computed 2019 SEPTEMBER 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 2019 0h UTC	AUG 4	AUG 9	AUG 14	AUG 19	AUG 24	AUG 29	Uncertainty/ns
MJD	58699	58704	58709	58714	58719	58724	
Laboratory <i>k</i>	$[UTC - UTC(k)]/ns$						$U_k$
BelGIM	1.3	2.3	2.8	4.1	4.9	5.6	24.4
BEV	-3.4	4.9	10.0	19.8	27.6	37.4	6.8
BIM	11396.4	11426.7	11441.9	11454.3	11477.8	11498.9	5.6
BKFH	-	-	-	-	-	-	
BMM	-	-	-	-	-	-	
BOM	-2344.0	-2364.7	-2387.0	-2413.6	-2434.7	-2462.6	17.2
CENAM	-2.1	5.5	8.8	8.8	2.7	6.5	23.0
CENAMAP AIP	7.5	-1.3	-1.2	17.6	10.2	15.7	15.0
DEF-NAT	10282.0	10486.3	10703.9	10894.5	11096.4	11310.2	40.0
DMDM	-13.3	-8.6	-4.8	2.4	15.8	-	6.8
EIM	9.0	2.7	8.4	7.8	-1.5	14.3	23.2
EMI	15.5	13.9	25.1	19.2	10.2	16.1	19.2
ESA	0.3	0.8	0.6	1.2	1.7	1.2	6.2
FTMC	793.4	793.1	808.5	817.7	832.0	837.3	5.4
GUM	5.4	8.5	11.4	13.6	16.2	18.0	5.4
ILNAS	-11.4	-18.7	-22.7	-24.7	-24.0	-24.7	5.8
IMBIH	2.6	0.0	2.6	-0.3	3.9	6.1	14.0
INACAL	-	124.3	122.3	132.9	-	-	41.2
INM	6535.4	6579.7	6633.1	6687.3	6736.1	6786.1	15.0
INM(CO)	-75.4	-81.9	-74.5	-72.9	-77.3	-77.7	40.2
INMETRO	9.2	3.5	0.4	7.9	-1.1	-10.4	40.0
INPL	-	-44.9	-36.3	-36.3	-36.5	-28.2	14.6
INRIM	-0.5	0.7	1.6	2.4	3.3	4.1	3.0
INTI	-47.6	-45.9	-37.7	-34.9	-45.6	-40.1	40.4
IPE/ASCR	11.6	14.7	7.8	4.2	6.7	7.3	8.6
IPQ	258.0	267.1	277.7	274.0	281.2	289.4	40.0

JV	18.4	18.7	6.8	8.9	11.9	6.9	8.4
KazInMetr	-	-	-	-	-	-	
KEBS	-	-	-	-	-	-	
KRISS	-18.1	-17.4	-16.6	-16.0	-15.4	-14.5	6.2
LACOMET	55.6	35.5	28.0	20.5	3.2	-4.2	41.2
LNE-SYRTE	-1.6	-1.5	-1.2	-0.7	-0.5	-0.2	3.0
MASM	-319.5	-375.2	-407.8	-472.3	-515.4	-544.1	40.0
METAS	0.4	0.9	1.2	2.8	1.6	2.6	4.2
MIKES	-0.2	0.0	0.6	1.1	1.3	1.1	9.0
MIRS/SIQ/Metrology	369.8	373.9	-	-	-	-	15.2
MSL	381.3	391.4	393.6	397.6	407.9	409.0	40.2
MUSSD	116.8	117.7	110.9	112.3	-	-	5.6
NICT	-0.8	0.2	1.0	2.3	2.5	1.1	3.4
NIM	0.6	1.5	2.3	2.8	3.4	4.0	3.4
NIMT	30.0	24.6	-3.6	-22.0	-22.0	-25.4	8.2
NIS	-18.7	-14.7	-10.5	-7.1	3.6	13.5	40.0
NIST	-0.1	-0.3	-0.1	0.2	0.3	0.3	3.8
NMC, A*STAR	-48.0	-39.8	-27.9	-11.5	8.1	26.1	5.6
NMIA	-236.7	-253.2	-252.6	-253.4	-266.6	-281.7	13.0
NMIJ AIST	-7.5	-5.5	-4.0	-2.5	-0.6	1.8	7.0
NMIM	-637.4	-664.6	-701.9	-734.8	-759.7	-782.6	8.2
NMISA	6.4	8.5	7.7	5.5	2.1	-1.3	5.4
NPL	-4.5	-4.0	-3.0	-1.9	-1.0	-1.1	6.4
NPLI	3.7	5.9	5.5	4.6	3.6	6.9	5.4
NRC	-4.1	-8.8	-11.5	-11.6	-11.3	-21.0	6.0
NSC IM	15.2	12.1	10.2	20.3	17.3	22.5	18.8
ON/DSHO	-8.4	-0.8	8.5	7.5	-3.0	-3.1	40.0
PTB	0.0	0.1	0.1	0.1	0.1	0.1	1.2
RISE	-4.3	-3.8	-4.0	-3.7	-2.6	-1.4	3.0
ROA	-1.3	-1.2	-1.0	-0.6	-1.2	-1.2	3.4
SASO	-622.4	-632.7	-639.1	-651.0	-669.1	-684.8	5.8
SCL	-2.1	4.5	8.6	3.9	11.5	12.2	40.0
SMD	-2.2	-5.0	-6.3	-5.8	0.7	-1.7	6.2
SMU	44.3	46.0	39.9	23.8	21.2	13.9	24.6
SNSU-BSN	1370.8	1375.8	1385.7	1393.5	1399.9	1404.1	5.6
TL	3.3	3.5	3.7	3.3	2.8	2.3	3.6
UME	17.1	-12.7	-5.1	9.3	16.2	12.1	9.2
VMI-STAMEQ	17.0	10.5	-5.4	-12.8	-7.0	-7.1	8.4
VNIIFTRI	-0.3	-0.4	-0.4	-0.4	-0.4	-0.2	3.8
VSL	0.9	-3.5	2.5	1.2	0.6	-2.1	3.2