BUREAU INTERNATIONAL DES POIDS ET MESURES

Key comparison CCTF-K001.UTC - Results
Degrees of equivalence D_k = [*UTC* - *UTC*(*k*)] for August 2024
Computed 2024 SEPTEMBER 11, 09h 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	AUG 2	AUG 7	AUG 12	AUG 17	AUG 22	AUG 27	Uncertainty/ns			
MJD	60524	60529	60534	60539	60544	60549				
Laboratory *k*			[*UTC* - *UTC*(*k*)]/ns				U_a	U_b	U_k	
BelGIM	-0.9	-0.4	-1.1	-0.3	-0.7	-0.6	3.0	6.0	6.6	
BEV	-27.2	-28.7	-27.8	-31.7	-36.5	-32.4	0.4	5.6	5.6	
BFKH	11551.2	11594.5	11649.1	11702.7	11755.2	11814.5	1.4	14.2	14.2	
BIM	1347.3	1401.0	1448.5	1500.2	1548.2	1597.0	0.4	5.2	5.2	
BMM	1898.3	1934.8	1944.5	1956.6	1977.1	2001.2	0.4	5.6	5.6	
BSJ	12.2	26.5	37.8	40.2	33.5	30.6	14.0	14.0	19.8	
CENAM	2.2	5.2	0.4	-2.7	-6.4	-1.4	6.0	8.6	10.4	
CENAMAP AIP	-2.5	-0.4	3.3	-3.1	-1.6	2.2	0.4	11.0	11.0	
DEF-NAT	-4226.3	-4310.7	-4395.2	-4497.6	-4602.9	-4691.4	1.4	5.2	5.4	
DFM	4.5	5.5	6.4	7.9	8.2	9.3	0.4	5.4	5.4	
DZM	33.2	35.8	40.7	46.7	52.6	51.2	0.4	5.2	5.2	
EMI	-	-	-	-	-	-				
ESA	-0.2	0.2	0.2	-0.2	-0.1	0.1	0.4	5.4	5.4	
FTMC	419.0	424.5	435.8	450.2	473.8	472.6	0.4	5.2	5.2	
GUM	4.2	4.4	4.3	4.3	4.0	4.0	0.6	6.0	6.0	
IBMETRO	391.1	-	385.7	389.3	386.2	373.4	8.0	15.2	17.2	
ILNAS	16.3	5.9	-3.5	-9.6	-8.1	-6.2	0.4	5.2	5.2	
IMBIH	-2.1	-2.0	-1.0	-0.0	0.8	0.9	0.4	5.4	5.4	
INACAL	-37.5	-24.6	-44.4	-36.2	-42.4	-29.4	10.0	NC	-	(*)
INM	469.9	466.2	472.6	465.9	472.6	469.8	0.4	15.6	15.6	
INM(CO)	-46.9	-57.4	-63.0	-61.0	16.2	-0.8	6.0	NC	-	(*)
INMETRO	-1.6	0.1	-6.4	5.4	-2.0	-0.2	0.4	6.4	6.4	
INPL	-39.0	-39.3	-41.6	-39.7	-41.5	-45.6	0.4	15.2	15.2	
INRIM	-0.9	-1.4	-1.6	-1.6	-1.0	-0.8	0.4	4.0	4.0	
INTI	183.7	187.3	175.3	182.6	184.0	188.2	0.4	6.2	6.2	
IPE/ASCR	-9.0	-16.8	-22.0	-13.7	-5.8	-4.7	0.4	5.8	5.8	
IPQ	1415.4	1428.4	1446.0	-	1468.7	1481.0	0.8	5.8	5.8	

JV	1.1	0.4	0.4	-0.1	0.7	-0.1	0.4	9.6	9.6	
KazStandard	-2.6	-2.6	-2.2	-1.8	-2.8	-3.1	1.4	8.4	8.6	
KRISS	0.8	-1.0	-1.0	-1.1	-1.6	-1.6	0.4	5.8	5.8	
LAMETRO-ICE	26.7	38.4	43.2	35.8	28.1	16.1	0.4	14.0	14.0	
LNE-SYRTE	1.3	1.3	1.3	1.2	1.1	0.8	0.4	3.4	3.4	
MASM	37.6	151.1	-76.6	-201.9	-327.8	-452.1	0.4	6.8	6.8	
METAS	-3.7	-2.8	-2.7	-3.1	-3.4	-3.2	0.4	3.6	3.6	
MIKES	-10.5	-7.1	-3.6	-2.4	-2.4	-2.4	0.4	5.2	5.2	
MIRS/SIQ/Metrology	481.3	491.2	504.6	502.9	513.4	519.5	0.4	8.0	8.0	
MSL	-17.6	-16.3	-22.3	-17.0	-20.7	-12.2	1.4	5.6	5.8	
NICT	-2.8	-2.7	-2.5	-2.1	-2.8	-2.1	0.4	3.4	3.4	
NIM	0.7	0.5	0.5	0.1	0.1	0.3	0.4	3.4	3.4	
NIMT	12.2	6.1	-2.6	8.2	14.1	-5.5	0.4	5.6	5.6	
NIS	72.9	66.3	55.5	39.3	18.3	11.4	1.4	14.4	14.4	
NIST	0.5	0.6	0.7	-0.1	-0.7	-1.1	0.4	5.4	5.4	
NMC, A*STAR	3.7	1.0	1.8	-6.0	-3.0	7.2	0.4	5.2	5.2	
NMIA	-66.0	-59.3	-56.7	-30.9	-5.6	-8.9	0.4	5.6	5.6	
NMIJ AIST	906.0	2598.4	12471.9	24412.9	572.4	171.2	0.8	5.4	5.4	
NMIM	-89.6	-79.7	-73.3	-61.7	-49.2	-44.2	0.4	5.2	5.2	
NMISA	1.4	-0.7	-2.7	-4.4	-5.0	0.3	3.0	6.8	7.4	
NPL	1.5	1.1	1.2	1.0	1.9	0.8	0.4	3.6	3.6	
NPLI	1.2	1.8	2.3	2.4	2.1	1.9	0.4	5.2	5.2	
NRC	2.1	1.7	1.5	1.1	0.7	0.3	0.4	5.2	5.2	
NSAI NML	132.5	127.1	119.3	111.1	107.9	98.2	0.4	14.6	14.6	
NSC IM	2.1	-	-3.8	-	-	-3.4	6.0	14.8	16.0	
ON/DSHO	-1.3	-0.1	-0.8	-0.5	1.0	-3.0	1.4	6.2	6.4	
PTB	-1.0	-1.1	-1.1	-1.0	-1.1	-1.1	0.4	3.4	3.4	
RISE	0.2	-0.1	-0.6	-1.0	-1.3	-1.4	0.4	3.8	3.8	
ROA	-4.9	-4.2	-3.7	-4.3	-3.9	-3.0	0.4	3.6	3.6	
SASO-NMCC	-40.8	-39.9	-39.8	-45.3	-39.8	-32.2	1.4	7.4	7.6	
SCL	6.7	6.5	10.4	5.6	1.4	-8.1	0.4	7.2	7.2	
SMD	-2.1	-2.0	-1.8	-1.6	-1.2	-0.9	0.4	7.4	7.4	
SMU	-	-	-	-	-	-				
SNSU-BSN	-252.6	-258.3	-259.4	-262.9	-283.5	-291.1	0.4	NC	-	(*)
TL	0.3	0.0	-0.1	-0.4	-0.6	-0.8	0.4	3.4	3.4	
UME	-1.3	-	-2.7	-2.5	-0.6	-0.8	0.4	7.8	7.8	
UTE	-	-	-	-	-	-				
UzNIM	199.0	190.8	175.1	163.6	152.3	138.1	0.4	14.2	14.2	
VMI-STAMEQ	-5.7	8.0	14.5	21.9	21.9	-0.8	1.4	5.8	6.0	
VNIIFTRI	-0.4	-0.7	-0.6	-1.0	-1.1	-1.2	0.4	4.0	4.0	
VSL	-1.1	-1.4	0.4	3.7	5.4	6.5	0.4	3.6	3.6	

ZMDM	-6.0	-7.0	10.7	-11.8	15.2	14.6	0.4	7.8	7.8

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