

BUREAU INTERNATIONAL DES POIDS ET MESURES

Key comparison CCTF-K001.UTC - Results
 Degrees of equivalence $D_k = [UTC - UTC(k)]$ for September 2020
 Computed 2020 OCTOBER 09, 12h 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 2020 0h UTC | SEP 2 | SEP 7 | SEP 12 | SEP 17 | SEP 22 | SEP 27 | Uncertainty/ns |
|---------------------|---------------------|---------|---------|---------|---------|---------|----------------|
| MJD | 59094 | 59099 | 59104 | 59109 | 59114 | 59119 | |
| Laboratory <i>k</i> | $[UTC - UTC(k)]/ns$ | | | | | | U_k |
| BelGIM | -3.5 | -3.4 | -2.7 | -1.6 | -1.9 | -3.7 | 24.6 |
| BEV | -3.6 | -14.8 | -24.3 | -31.3 | -32.2 | -24.4 | 6.4 |
| BFKH | 1301.8 | 1330.4 | 1345.2 | 1377.3 | 1399.0 | 1422.3 | 40.2 |
| BIM | 13440.6 | 13441.5 | 13463.9 | 13505.5 | 13547.1 | 13568.6 | 14.2 |
| BMM | 504.6 | 532.3 | 571.1 | 596.0 | 619.7 | 641.7 | 40.0 |
| BOM | - | -3837.1 | - | -3874.3 | -3889.2 | -3911.5 | 15.2 |
| CENAM | 14.5 | 10.7 | 8.0 | 8.2 | 5.1 | 5.5 | 23.0 |
| CENAMAP AIP | -1.3 | 0.5 | -5.0 | 4.9 | 2.3 | 2.3 | 14.8 |
| DEF-NAT | 8777.8 | 9007.2 | 9247.3 | 9477.1 | 9725.6 | 9974.2 | 40.0 |
| DMDM | 7.6 | 6.8 | 6.9 | 11.1 | -1.0 | -8.3 | 6.4 |
| EIM | 9.2 | 1.5 | -1.8 | 8.0 | 6.5 | 5.7 | 23.8 |
| EMI | 15.0 | 6.0 | 16.6 | 24.8 | 10.7 | 7.9 | 17.0 |
| ESA | -0.9 | -2.1 | -1.6 | -1.9 | -0.9 | -1.0 | 6.2 |
| FTMC | 931.7 | 945.6 | 946.2 | 928.7 | 917.7 | 909.9 | 5.6 |
| GUM | 1.8 | 2.2 | 2.3 | 1.9 | 1.5 | 1.8 | 5.6 |
| ILNAS | -31.8 | -28.5 | -23.8 | -19.2 | -16.6 | -14.8 | 5.8 |
| IMBIH | -0.4 | -0.6 | -0.3 | 0.2 | 2.8 | -1.2 | 5.4 |
| INACAL | 62.7 | 35.9 | 38.0 | 23.8 | 12.2 | 9.7 | 41.2 |
| INM | 4216.5 | 3882.2 | 3543.9 | 3202.4 | 2855.9 | 2511.8 | 14.8 |
| INM(CO) | -49.8 | -54.7 | -56.5 | -66.1 | -55.3 | -55.5 | 40.2 |
| INMETRO | -56.3 | -52.3 | -38.5 | -23.6 | -6.0 | -3.9 | 40.0 |
| INPL | -9.6 | -13.1 | -22.6 | -26.2 | -22.2 | -31.6 | 14.4 |
| INRIM | -0.1 | -0.7 | -1.3 | -0.7 | 0.4 | 1.1 | 2.6 |
| INTI | 24.2 | 24.9 | 25.9 | 44.1 | 43.3 | 55.0 | 40.4 |
| IPE/ASCR | 34.0 | 29.7 | 18.2 | 4.4 | 2.9 | -4.0 | 5.4 |
| IPQ | 246.9 | 246.1 | 237.7 | 242.5 | 236.0 | - | 40.0 |

| | | | | | | | |
|--------------------|---------|---------|---------|---------|---------|---------|------|
| JV | -12.9 | -15.5 | -21.6 | -19.8 | -24.8 | -22.0 | 8.6 |
| KRISS | 6.1 | 6.7 | 7.3 | 7.7 | 7.9 | 8.2 | 6.2 |
| LACOMET | -51.2 | -54.8 | -58.9 | -53.0 | -46.1 | -48.4 | 40.4 |
| LATMB | -88.6 | -90.3 | -106.8 | -116.9 | -135.8 | -146.5 | 24.6 |
| LNE-SYRTE | 0.5 | 0.5 | 0.5 | 0.3 | 0.0 | 0.0 | 2.4 |
| MASM | -513.1 | -542.4 | -581.4 | -626.1 | -666.2 | -102.7 | 5.6 |
| METAS | -0.5 | -1.8 | -1.4 | 0.7 | 1.6 | 1.9 | 4.8 |
| MIKES | 17.9 | 17.6 | 17.2 | 16.3 | 15.3 | 14.2 | 5.2 |
| MIRS/SIQ/Metrology | 131.2 | 112.5 | 124.2 | 138.2 | 152.2 | 158.4 | 7.4 |
| MSL | 14.5 | -16.3 | -41.3 | -29.8 | -12.6 | 12.1 | 40.2 |
| MUSSD | - | 69.4 | 68.1 | 90.5 | 93.3 | 88.5 | 5.4 |
| NICT | -4.6 | -4.2 | -4.6 | -4.7 | -5.0 | -4.4 | 4.0 |
| NIM | -2.8 | -2.5 | -2.5 | -2.4 | -2.5 | -2.1 | 4.0 |
| NIMT | - | - | - | - | - | - | - |
| NIS | - | - | 105.0 | 100.6 | 79.0 | 55.1 | 40.0 |
| NIST | -0.7 | -0.7 | -0.6 | 0.3 | 0.8 | 1.4 | 4.2 |
| NMC, A*STAR | 6.8 | 33.4 | 8.9 | -3.2 | -4.3 | -1.8 | 5.4 |
| NMIA | -408.0 | -401.1 | -377.2 | -386.0 | -382.4 | -378.3 | 12.2 |
| NMIJ AIST | 15.8 | 14.5 | 13.9 | 9.6 | 8.8 | 8.7 | 6.4 |
| NMIM | -2312.0 | -2301.8 | -2274.3 | -2252.9 | -2220.6 | -2200.4 | 7.0 |
| NMISA | -17.0 | -5.3 | 4.0 | 2.3 | -0.5 | 0.0 | 5.6 |
| NPL | 1.3 | 1.0 | 0.5 | 0.0 | -0.4 | -0.2 | 5.4 |
| NPLI | -1.5 | -1.8 | -2.3 | -2.5 | -2.4 | -1.7 | 5.6 |
| NRC | -10.6 | -12.5 | -16.3 | -11.0 | -20.3 | -25.8 | 6.0 |
| NSC IM | 17.4 | 16.3 | 7.3 | 15.2 | 10.6 | 7.6 | 14.6 |
| ON/DSHO | 0.2 | -1.1 | -1.0 | -0.9 | 5.1 | 15.1 | 40.0 |
| PTB | 0.6 | 0.4 | 0.1 | -0.1 | -0.3 | -0.4 | 1.4 |
| RISE | 0.1 | -0.2 | -0.6 | -1.0 | -1.5 | -1.9 | 2.4 |
| ROA | -2.2 | -2.6 | -3.6 | -3.1 | -2.8 | -3.4 | 2.6 |
| SASO | -1658.1 | -1669.4 | -1678.6 | -1693.5 | -1698.0 | -1708.9 | 6.0 |
| SCL | -155.3 | -167.2 | -173.0 | -172.6 | -188.0 | -184.8 | 6.2 |
| SMD | -5.0 | -1.3 | -1.2 | -2.0 | 2.0 | -1.9 | 6.2 |
| SMU | -60.8 | -61.1 | -47.8 | -48.5 | -49.3 | -37.5 | 24.6 |
| SNSU-BSN | 2225.2 | 2242.6 | 2253.4 | 2278.0 | 2282.4 | 2275.6 | 5.4 |
| TL | -0.6 | 0.0 | 0.0 | 0.0 | -0.3 | 0.2 | 4.4 |
| UME | -1.7 | -13.2 | -2.6 | 2.3 | 0.9 | 3.6 | 6.6 |
| VMI-STAMEQ | 2.2 | 3.8 | 5.4 | 3.1 | -5.6 | -1.4 | 14.0 |
| VNIIFTRI | 0.0 | -0.1 | -0.3 | -1.0 | -1.2 | -1.7 | 4.0 |
| VSL | -16.5 | -10.5 | -17.3 | -12.6 | -2.9 | -1.5 | 3.8 |