

UTC(MIKE) Atomic Bulletin 2026-08

VTT MIKES Metrology monthly Time & Frequency bulletin.

Comments and questions to: time "at" vtt.fi

Date of publication: 2026-08-11 (61263)

Circular-T issues used for analysis: [459](#), [460](#), [461](#), [462](#), [463](#),

First day of analysis interval: 2026-03-05 (61104)

Last day of analysis interval: 2026-07-28 (61249)

ClockData for analysis: [CDMI_26.03](#), [CDMI_26.04](#), [CDMI_26.05](#), [CDMI_26.06](#), [CDMI_26.07](#),

The Atomic Bulletin is archived at: https://monitor.mikes.fi/ftp/atomic_bulletin/

Notes

60919 (2025-09-01) set steering to zero.

60923 (2025-09-05) set steering +8e-15.

60979 (2025-10-31) AHM3 frequency adjustment +4e-12 at 13:52 UTC.

60983 (2025-11-04) High temperature in maser room.

61041 (2026-01-01) Report MHM1 (1412084) ClockData to BIPM

61083 (2026-02-12) AB2026-02: analyze MHM1, AHM3 rebooted 2026-02-02

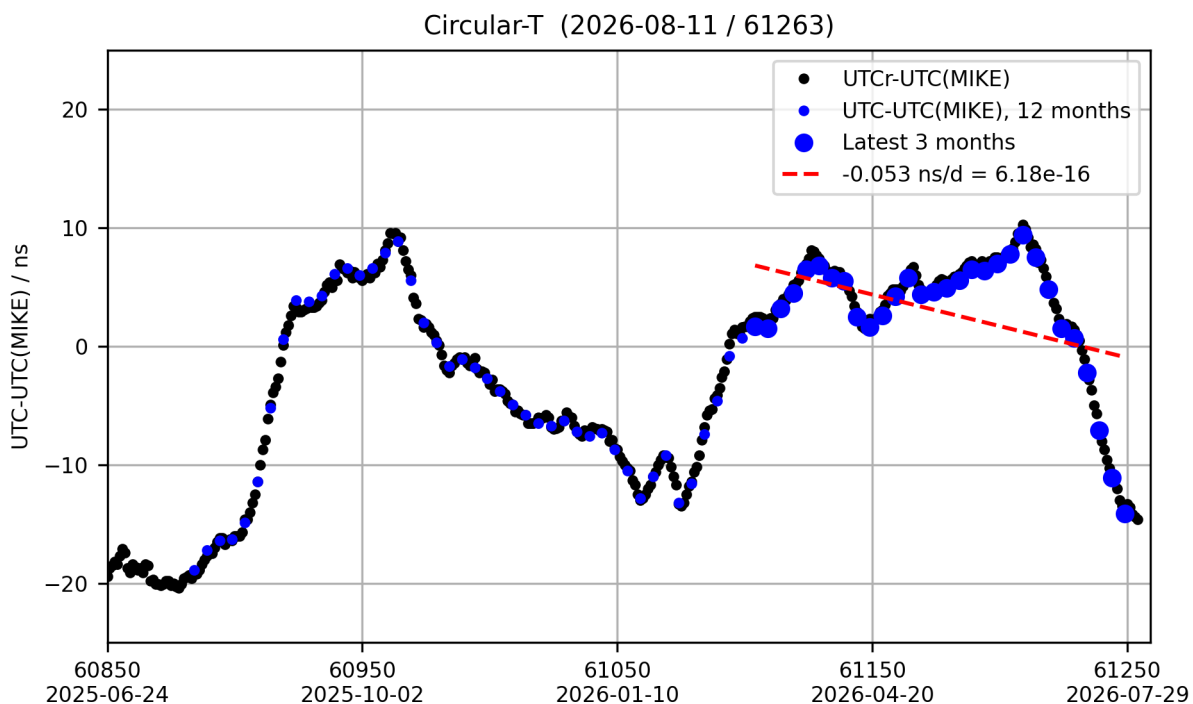
61110 (2026-03-11) AB2026-03: 4 month analysis interval. First MHM1 rate value.

61175 (2026-05-15) AB2026-05: 6 month analysis interval.

61195 (2026-06-04) High temperature in maser room.

61232 (2026-07-11) AB2026-07: 5 month analysis interval. MHM1 non-zero TAI weight.

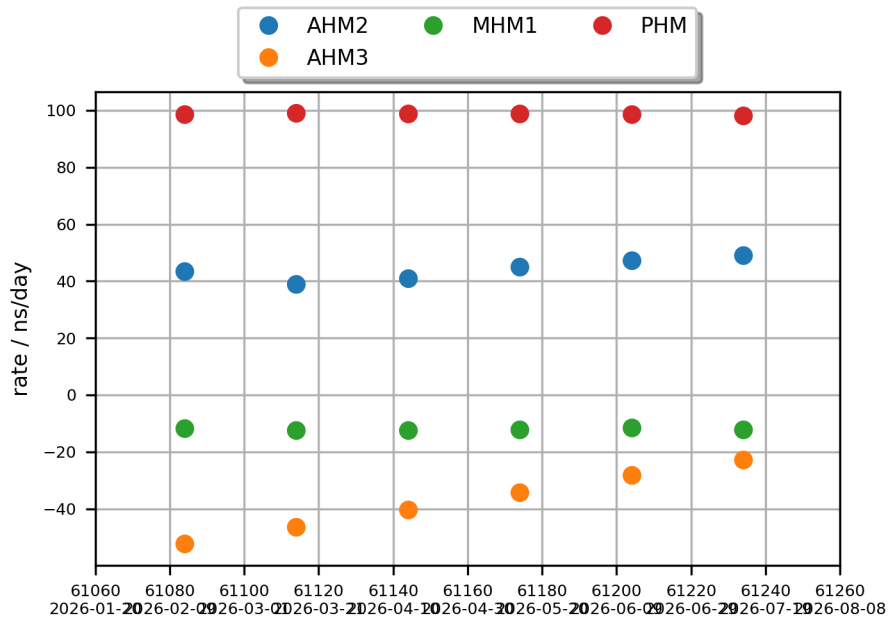
UTC-UTC(MIKE) as reported in Circular-T

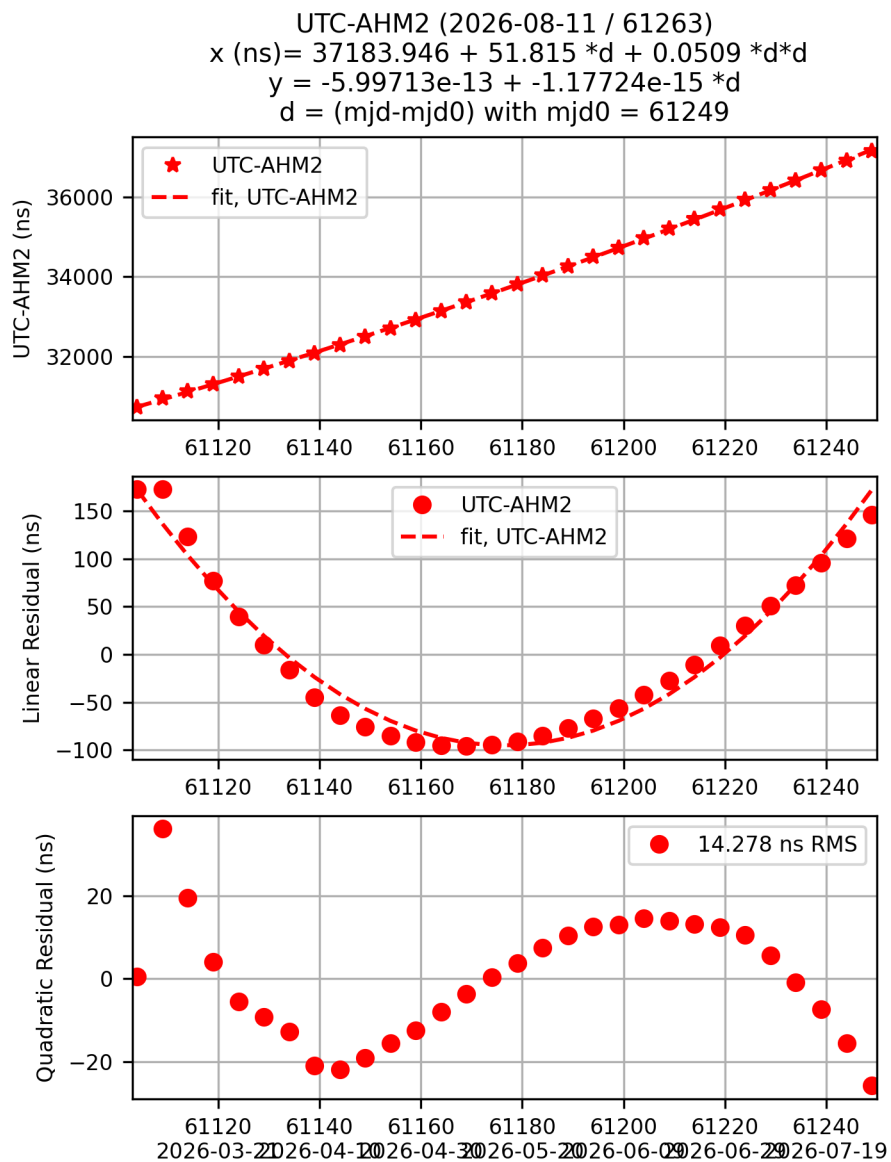


UTC-UTC(MIKE) is available on 5 day intervals on MJD dates ending with 4 or 9. Values are published monthly by the BIPM in Circular-T.

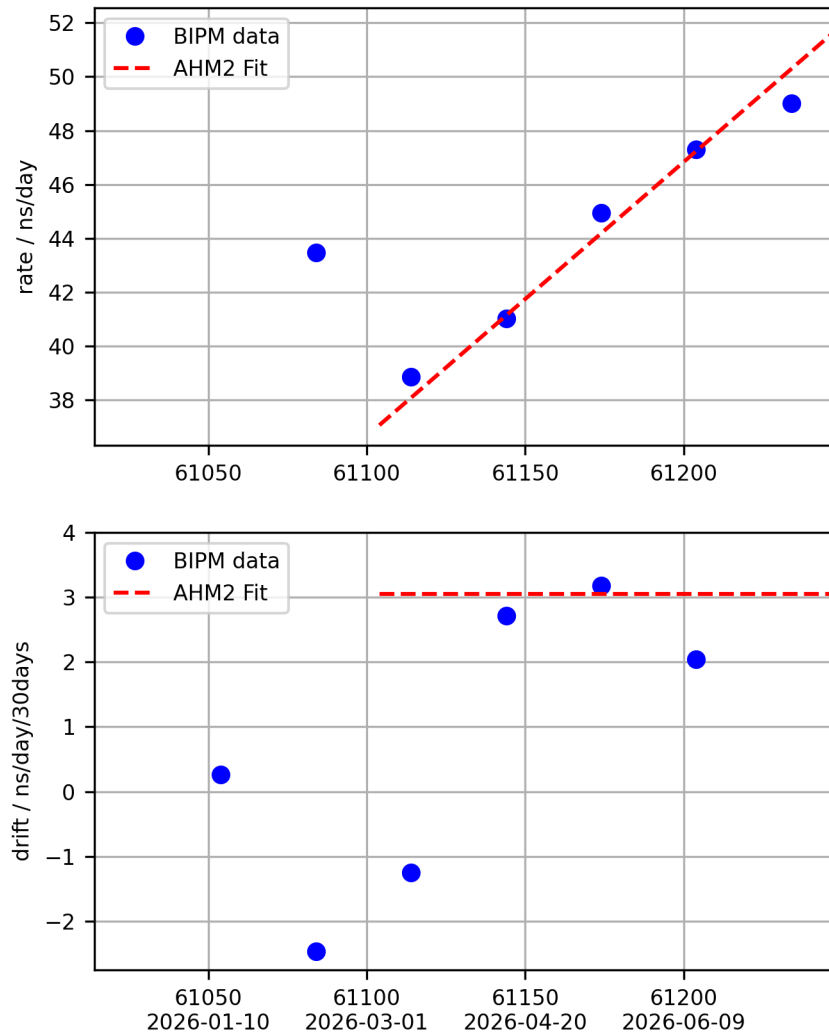
Clock Rates - Summary

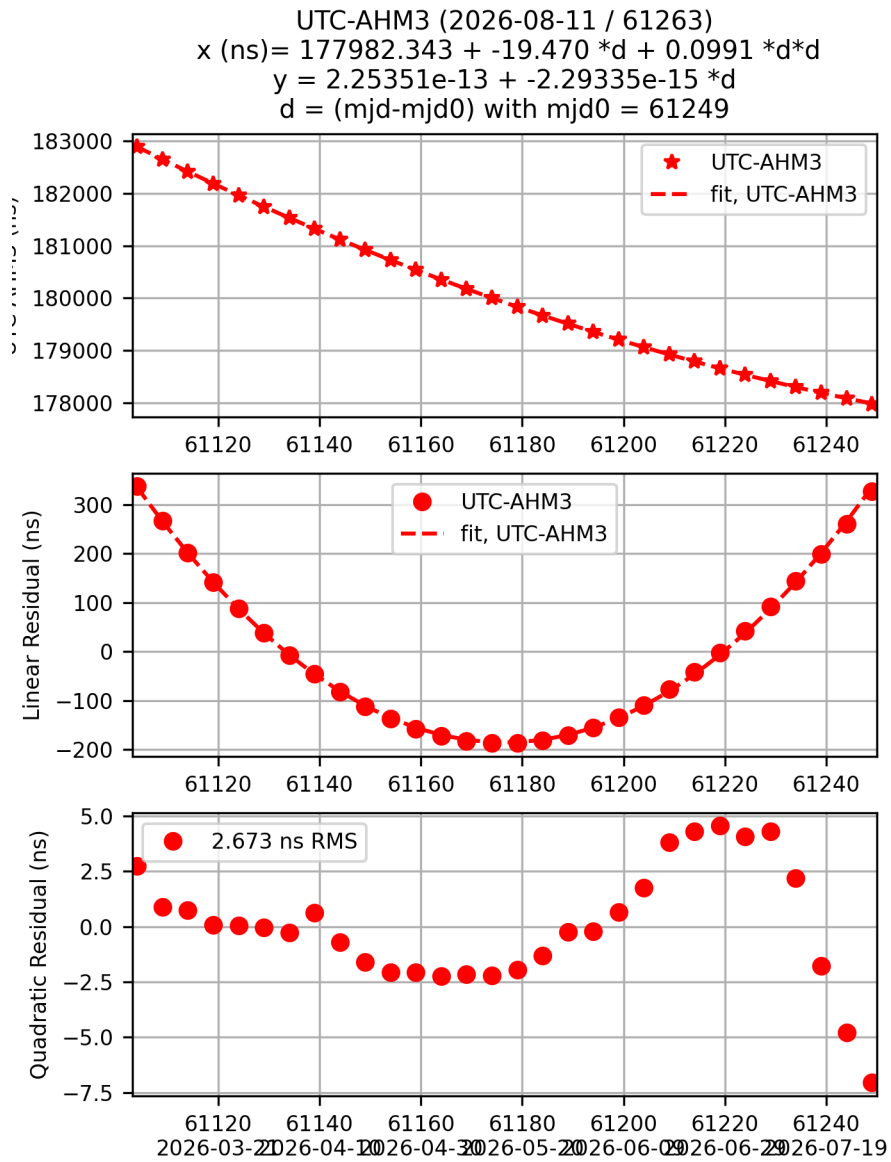
Clock rates as reported by the BIPM in the monthly r-report.



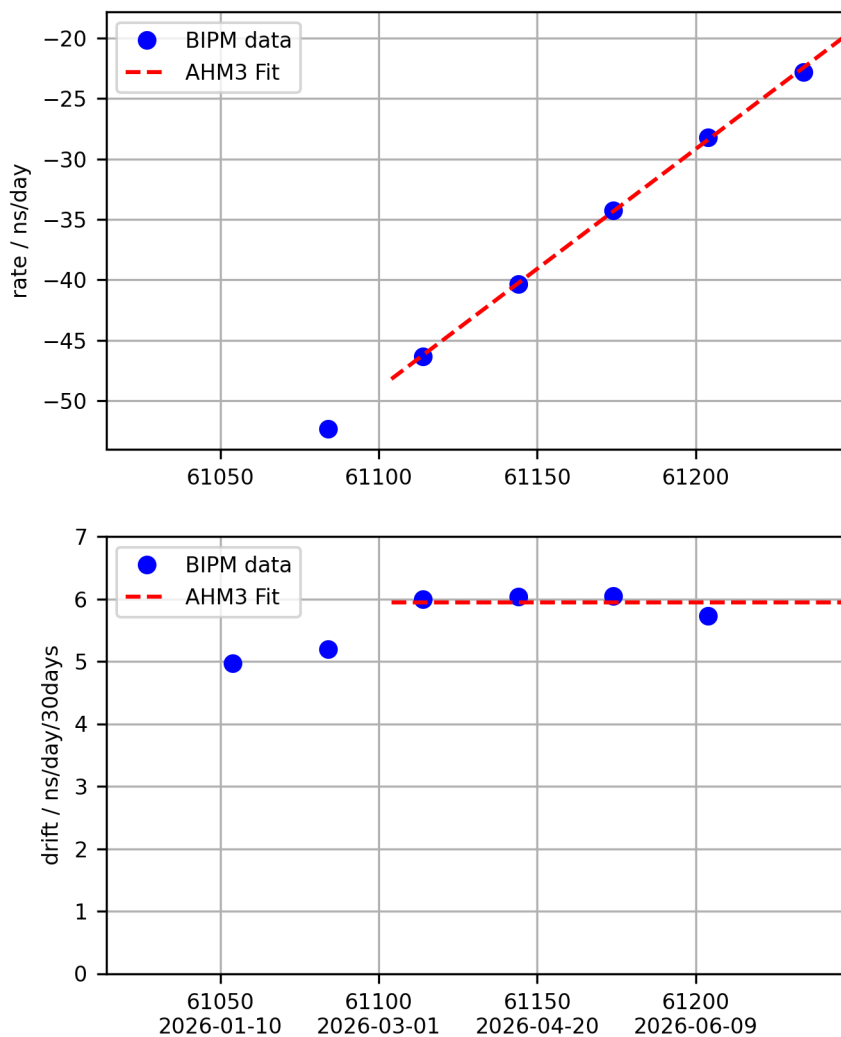
UTC - AHM2 Fit

AHM2 Rate and Drift

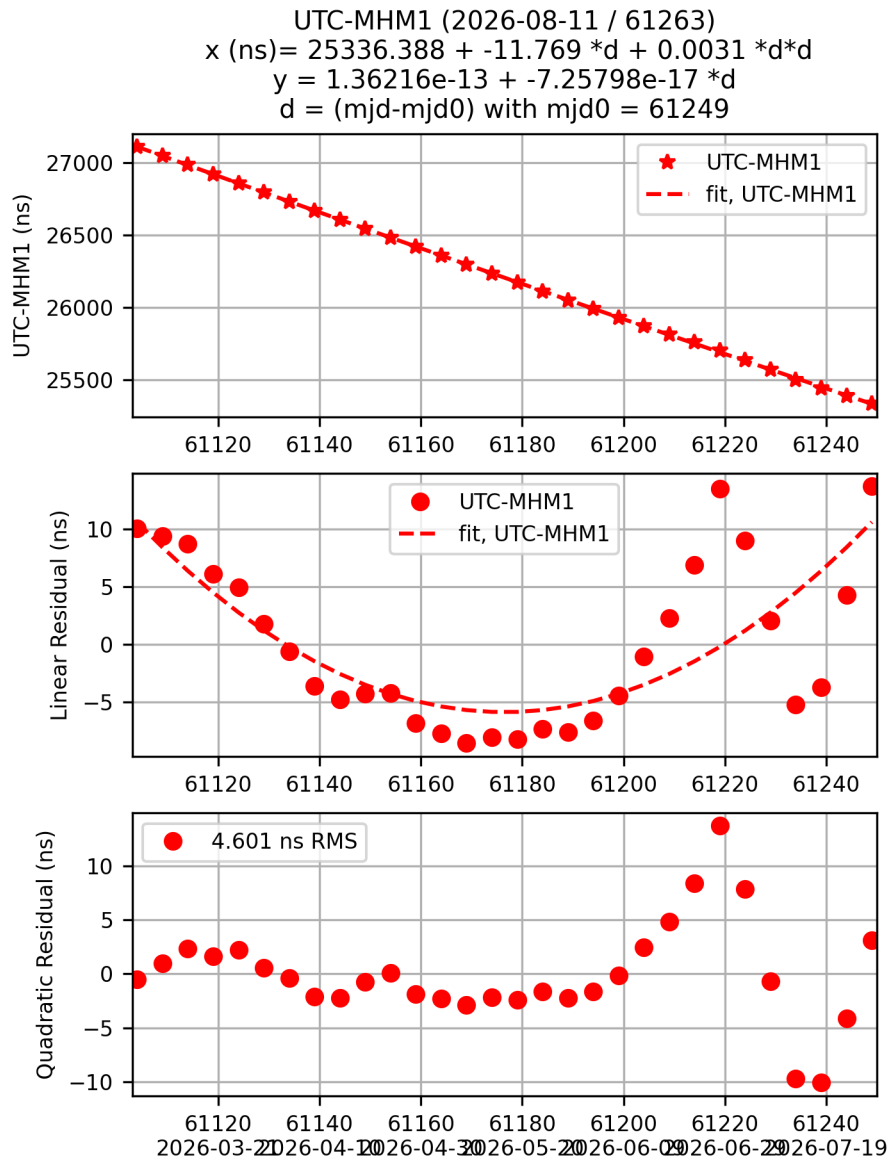


UTC - AHM3 Fit

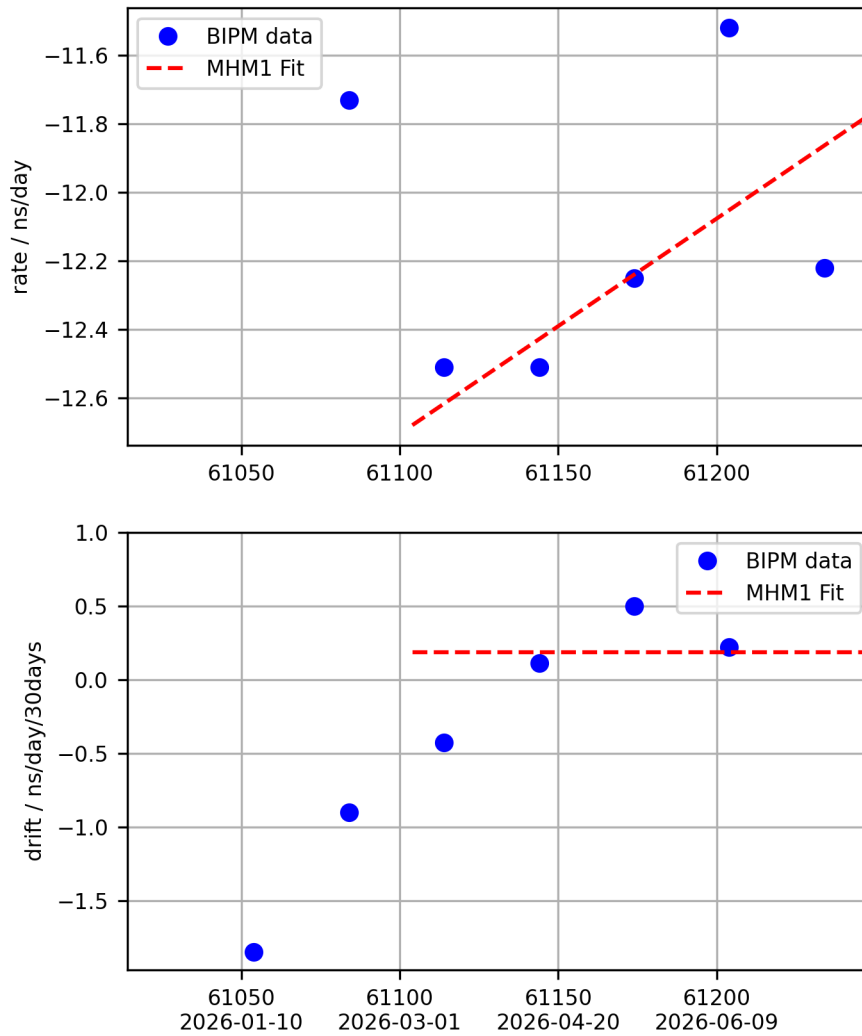
AHM3 Rate and Drift

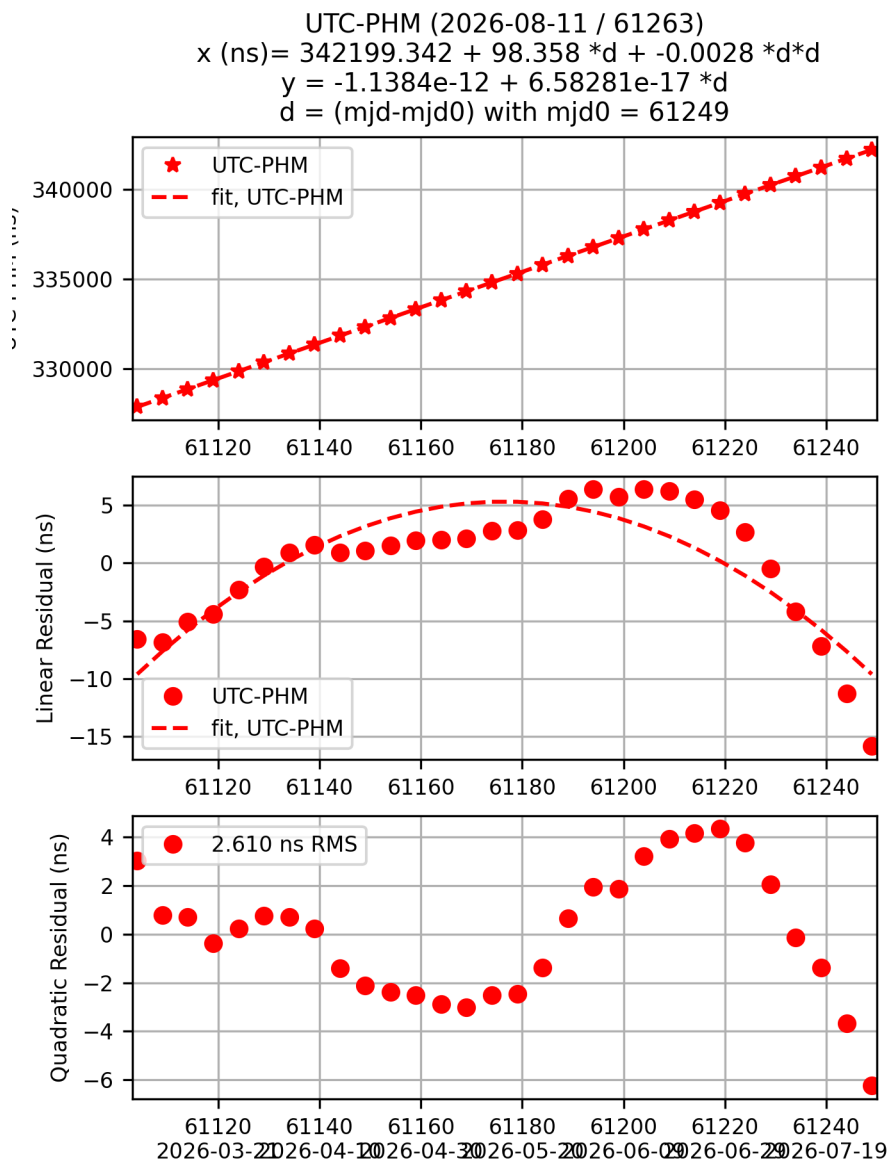


UTC - MHM1 Fit

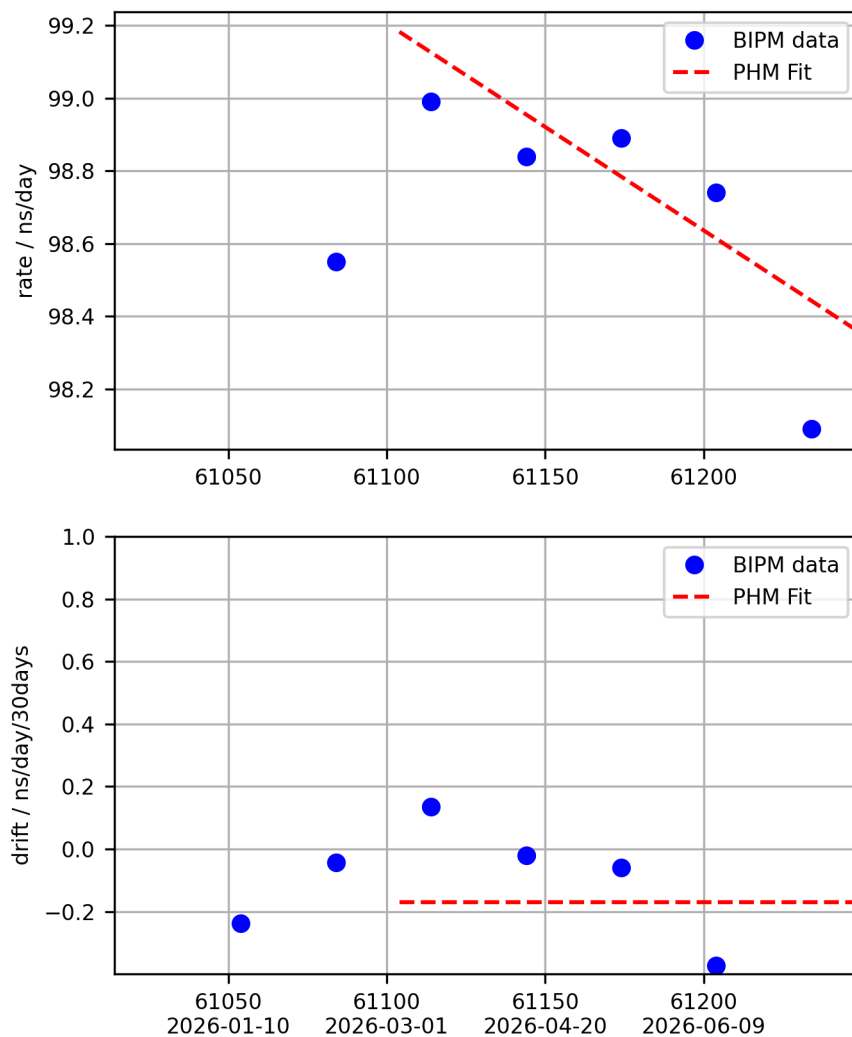


MHM1 Rate and Drift



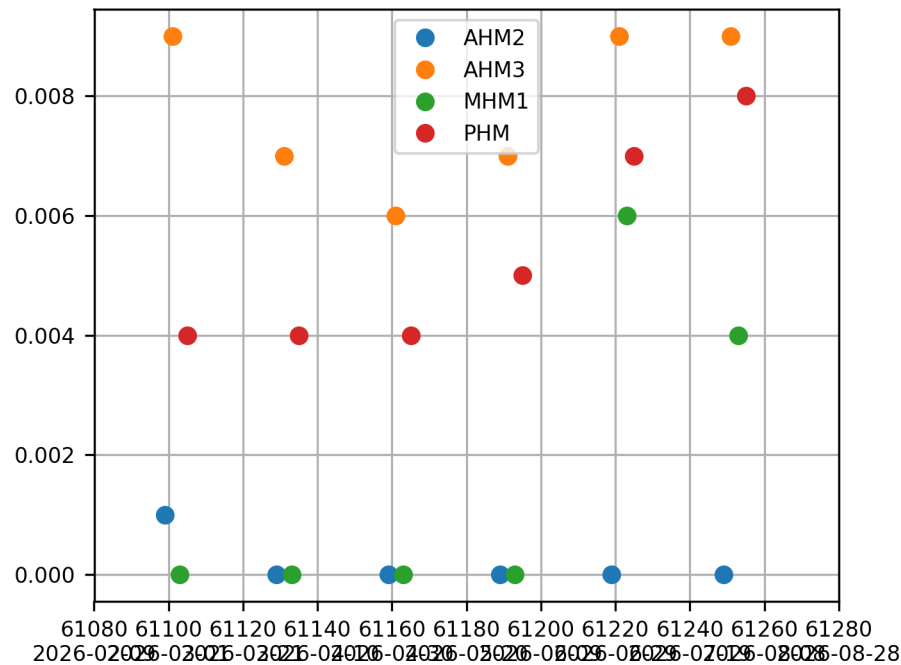
UTC - PHM Fit

PHM Rate and Drift



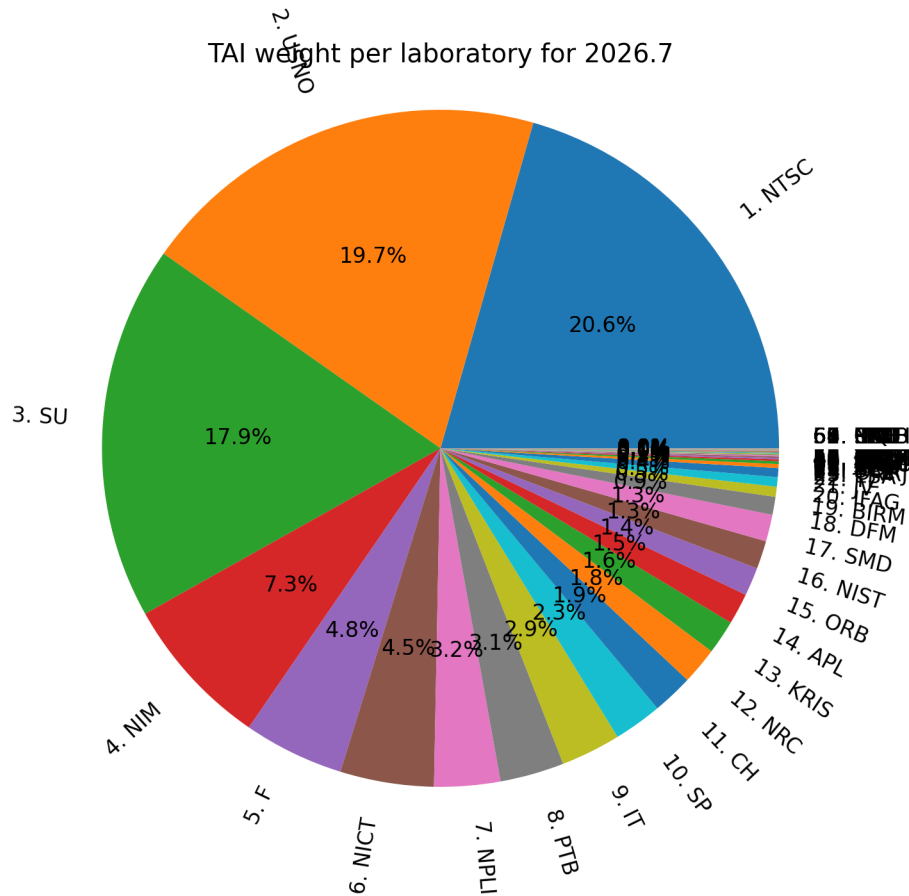
VTT MIKES Clock Weights

RELATIVE WEIGHTS (IN PERCENT) OF THE CLOCKS FOR INTERVALS OF ONE MONTH ENDING AT THE GIVEN DATES



Clock Weights per Laboratory

Relative TAI Weight per laboratory



Weight-file for 2026.07

Number of clocks 405

Number of labs 69

Number of clock types 12

Sum of weights per lab 99.994, Sum of weights per clock type 99.994

Weight Clock Type

0.793 35 MICROSEMI 5071A HIGH PERFORMANCE TUBE.

62.275 40 UNSPECIFIED HYDROGEN MASER

30.468 41 HYDROGEN MASER

0.097 36 MICROSEMI 5071A LOW/STANDARD PERFORMANCE TUBE

0.003 22 OSCILLOQUARTZ OSA 3230B/3235B

0.051 32 OSCILLOQUARTZ OSA 3300-SHP

0.001 44 Other clocks

0.014 37 OSCILLOQUARTZ OSA 3300

0.000 42 Commercial Rubidium clock

0.018 38 Chengdu Spaceon Electronics Company TA1000

6.269 93 GROUND-STATE HYPERFINETRANSITION OF 87 Rb

0.005 92 GROUND-STATE HYPERFINE TRANSITION OF 133 Cs

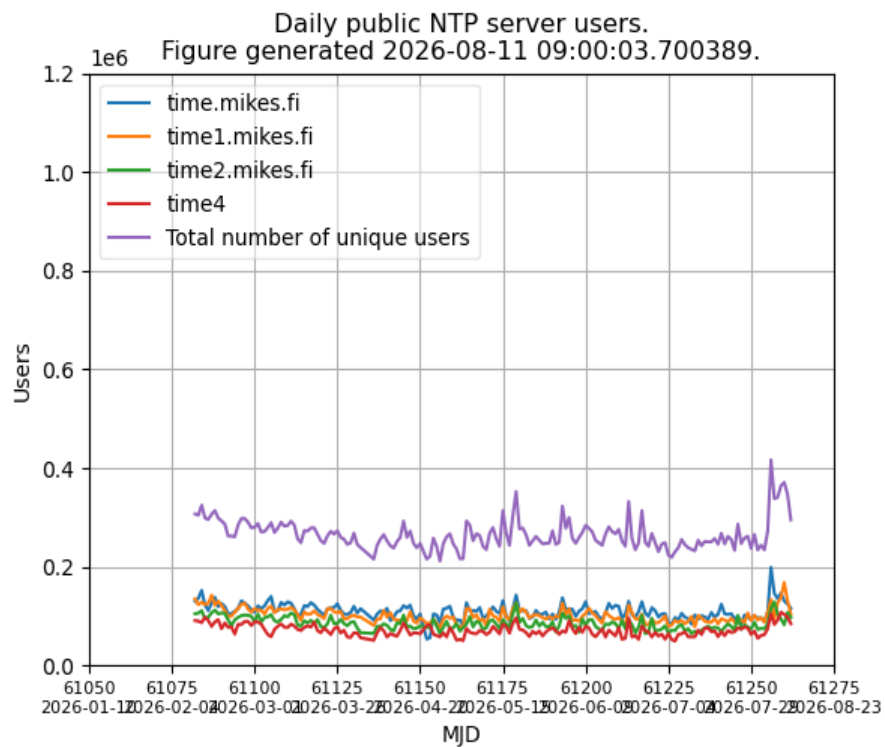
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Rank Weight Lab

1 20.577 NTSC
2 19.667 USNO
3 17.881 SU
4 7.296 NIM
5 4.798 F
6 4.468 NICT
7 3.152 NPLI
8 3.058 PTB
9 2.858 IT
10 2.305 SP
11 1.940 CH
12 1.762 NRC
13 1.625 KRIS
14 1.485 APL
15 1.354 ORB
16 1.339 NIST
17 1.279 SMD
18 0.858 DFM
19 0.479 BIRM
20 0.453 IFAG
21 0.429 JV
22 0.189 TL
23 0.137 ESA
24 0.087 ONRJ
25 0.074 SCL
26 0.057 ROA
27 0.050 BEV
28 0.044 TP
29 0.042 VSL
30 0.030 SASO
31 0.025 JATC
32 0.021 IMBH
33 0.021 MIKE
34 0.017 NIMT
35 0.014 NPL
36 0.013 AUS
37 0.013 INPL
38 0.011 HKO
39 0.011 KZ
40 0.008 MSL
41 0.007 CNMP

NTP Usage Statistics

Number of unique IPv4 addresses using our public NTP-servers.



End of Bulletin.