

UTC(MIKE) Atomic Bulletin 2026-10

VTT MIKES Metrology monthly Time & Frequency bulletin.

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

Date of publication: 2026-10-12 (61325)

Circular-T issues used for analysis: [460](#), [461](#), [462](#), [463](#), [464](#), [465](#),

First day of analysis interval: 2026-04-04 (61134)

Last day of analysis interval: 2026-09-26 (61309)

ClockData for analysis: [CDMI_26.04](#), [CDMI_26.05](#), [CDMI_26.06](#), [CDMI_26.07](#),
[CDMI_26.08](#), [CDMI_26.09](#),

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

Notes

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.

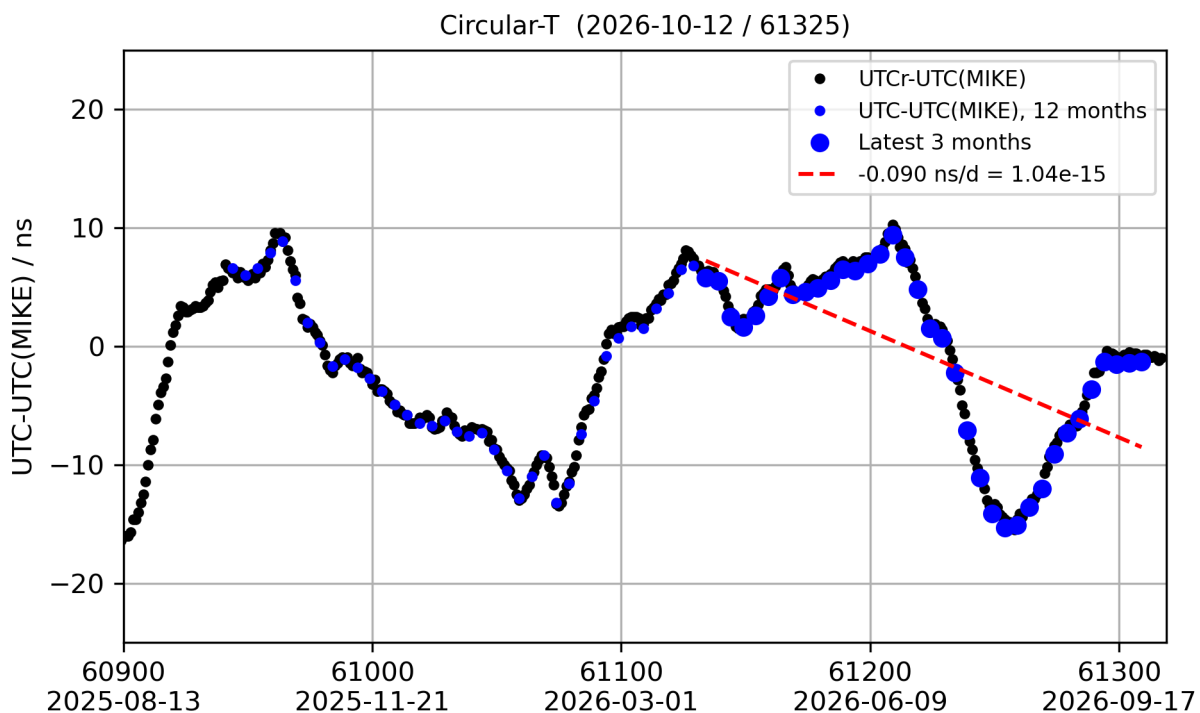
61195 (2026-06-04) High temperature in maser room.

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

61294 (2026-09-11) UTC(MIKE) HROG steering based on MIKES-Sr+1 data.

61297 (2026-09-14) AHM3 anomaly due to H-source jump.

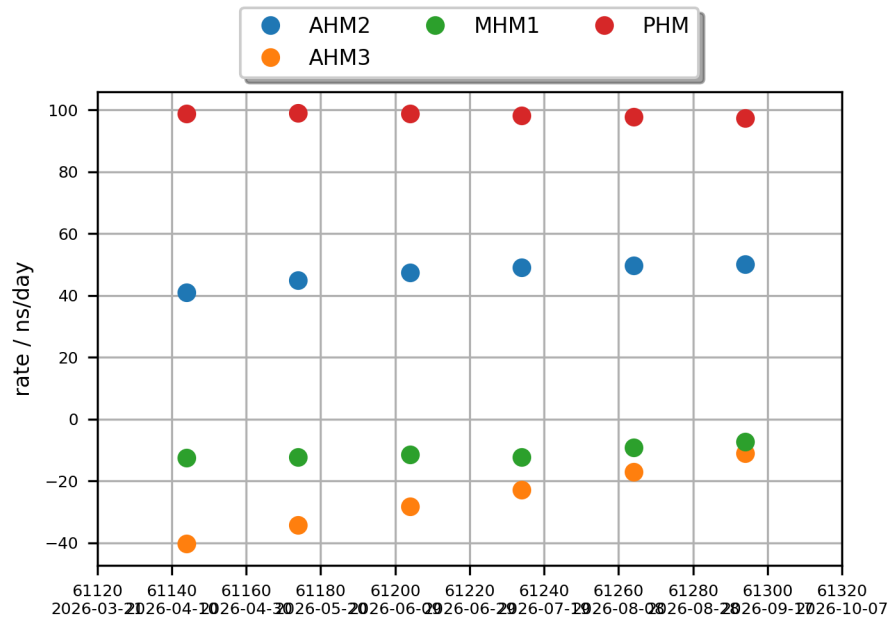
UTC-UTC(MIKE) as reported in Circular-T



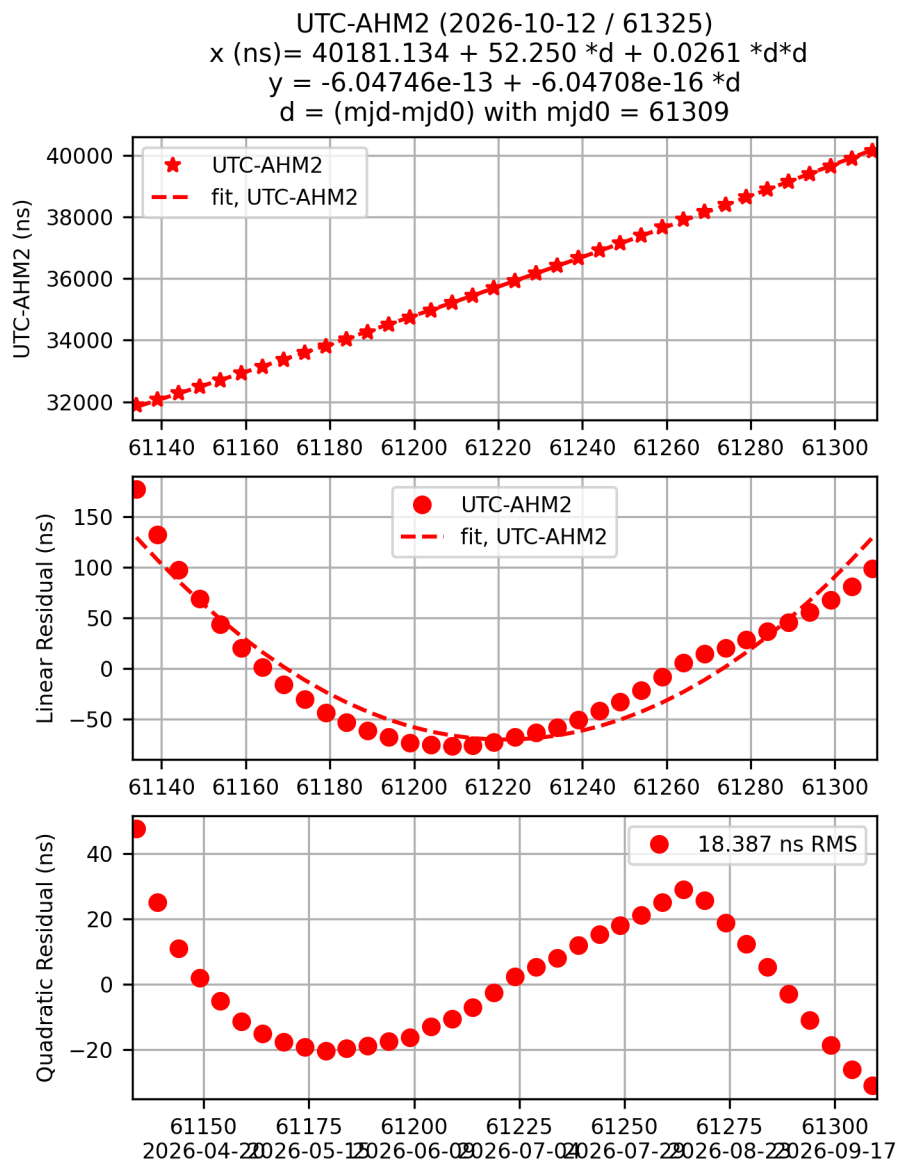
UTC-UTC(MIKE) is available on 5 day intervals on MJD dates ending with 4 or 9. Values are published monthly by the BIPM in Circular-T.

Clock Rates - Summary

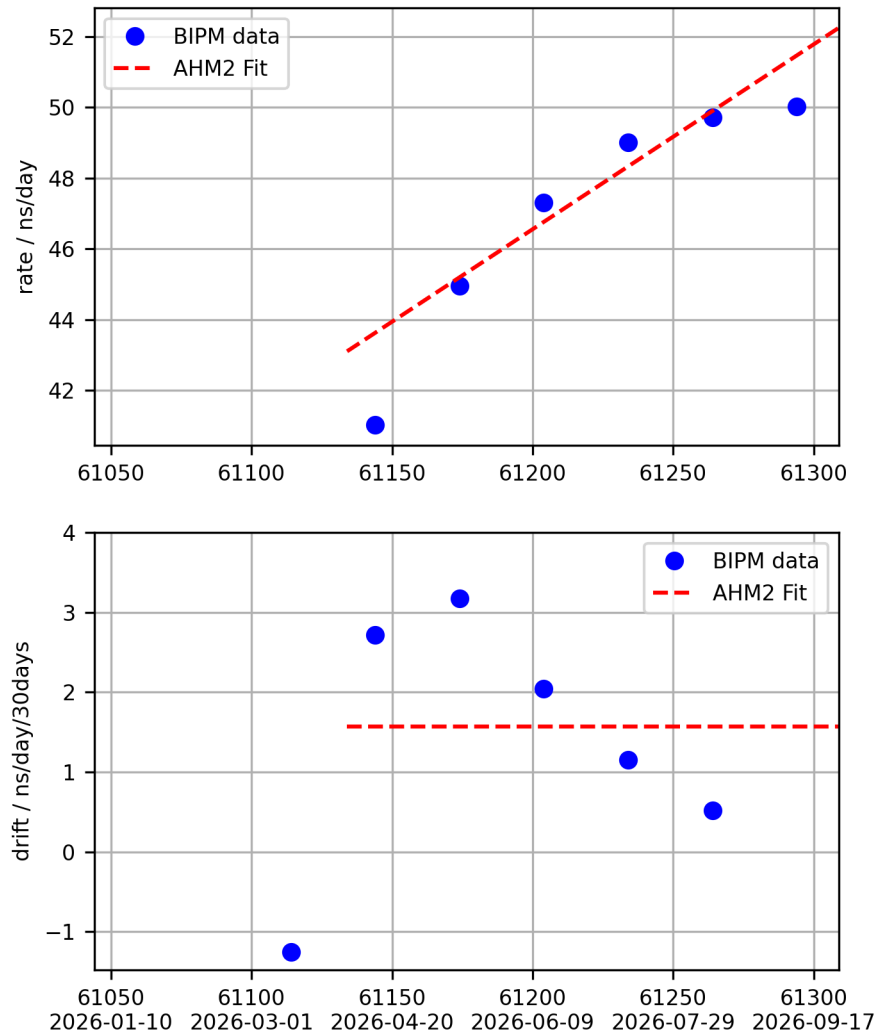
Clock rates as reported by the BIPM in the monthly r-report.



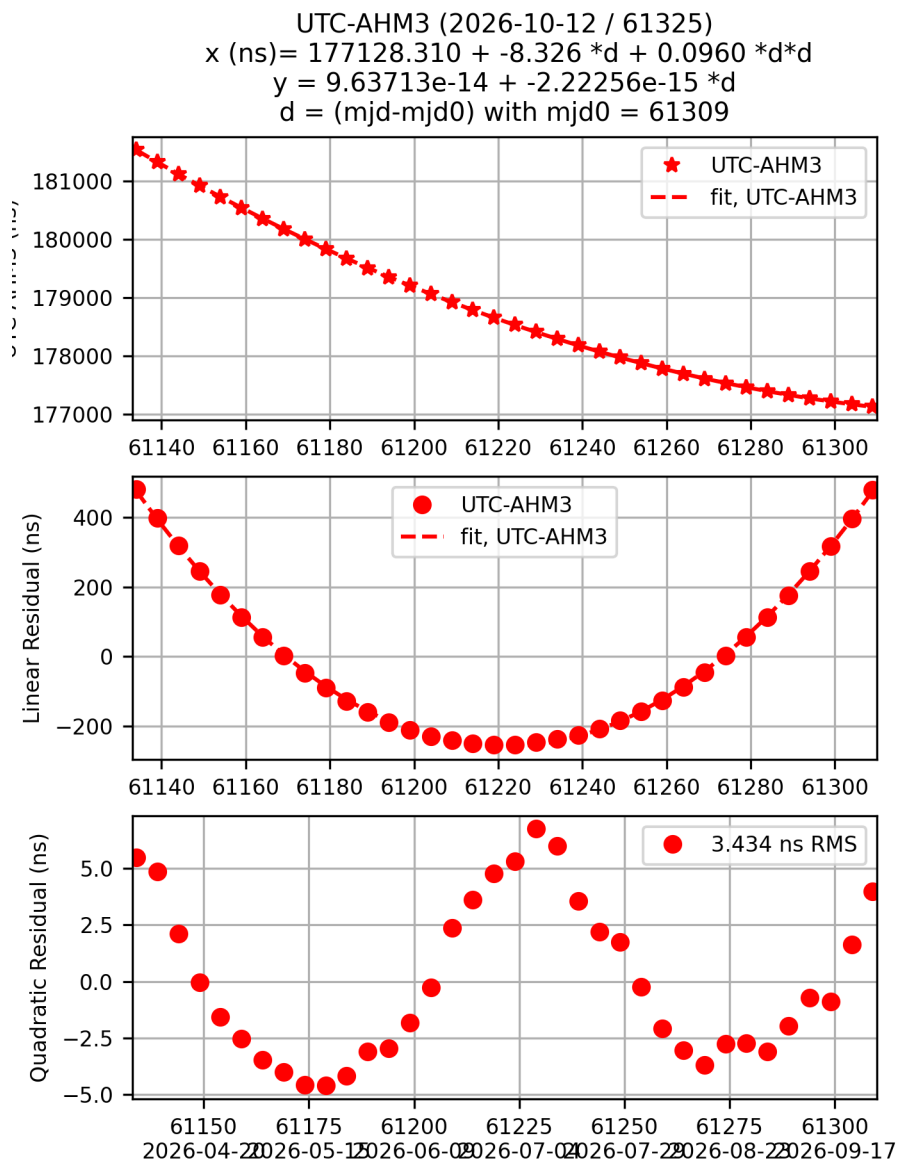
UTC - AHM2 Fit



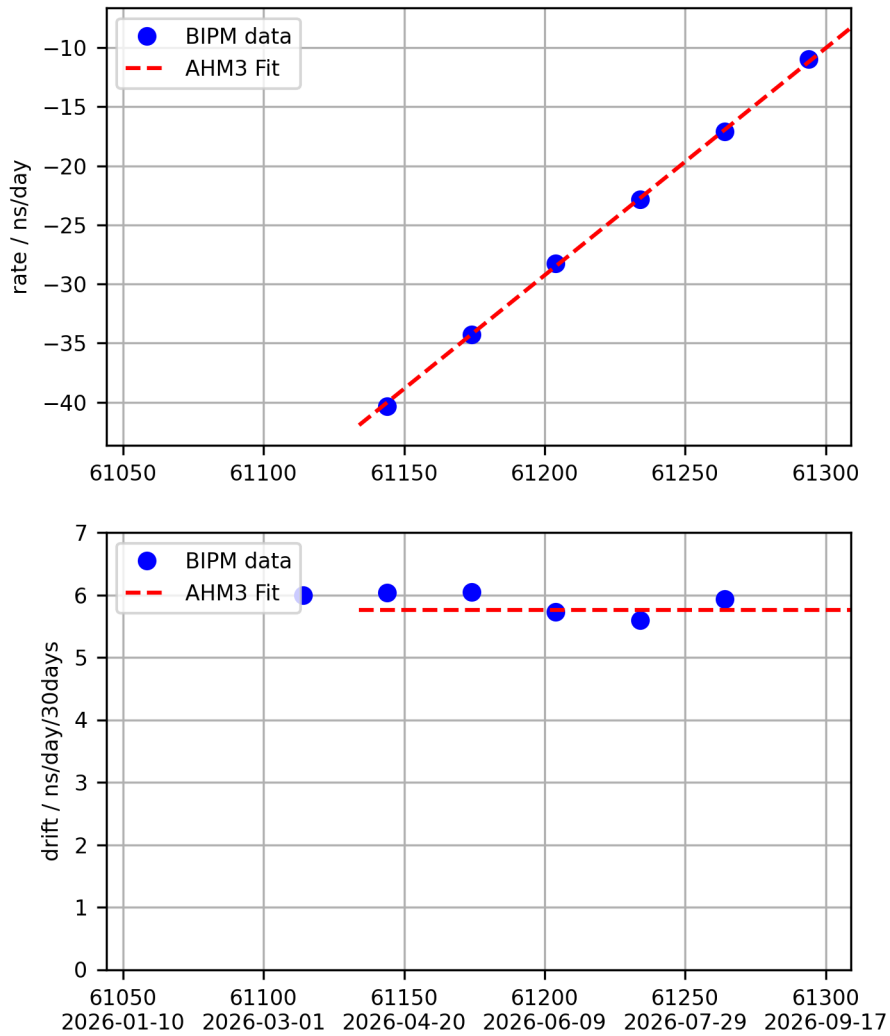
AHM2 Rate and Drift



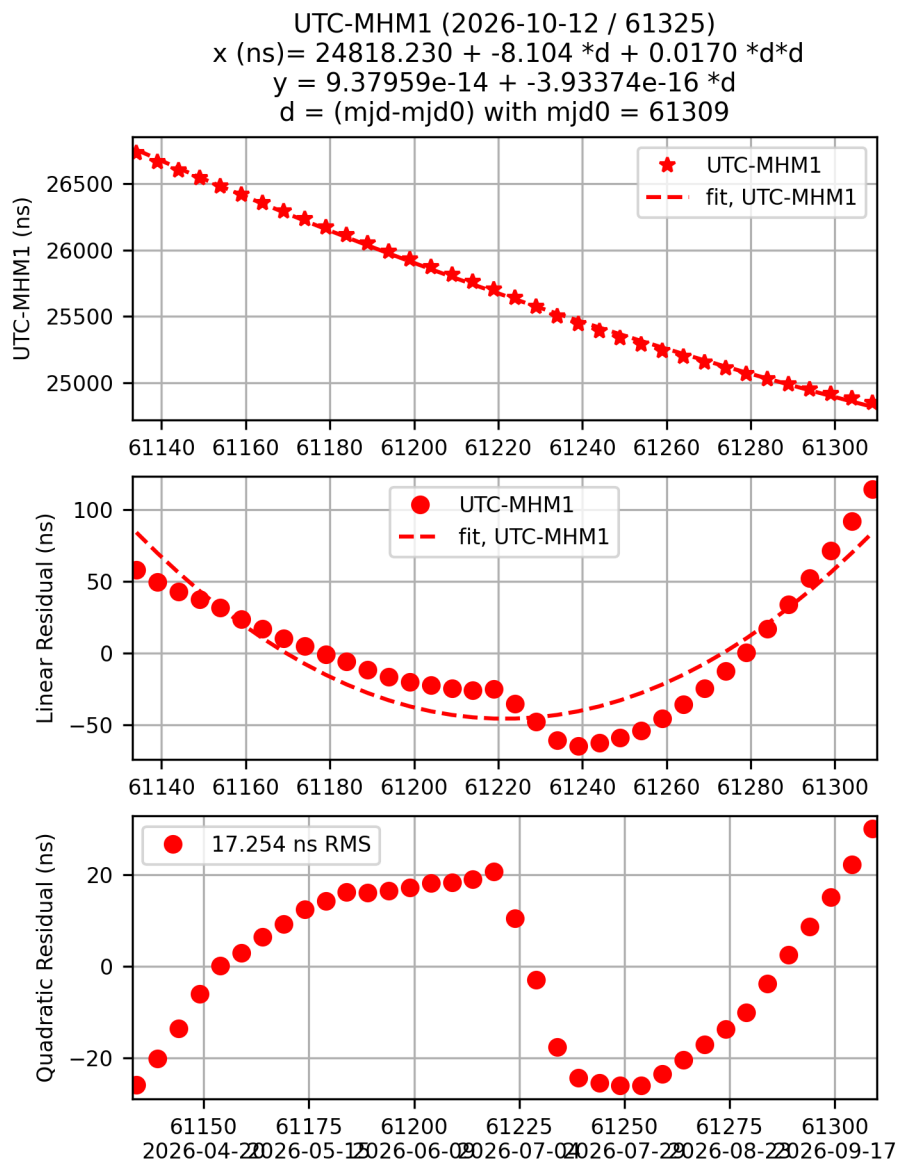
UTC - AHM3 Fit



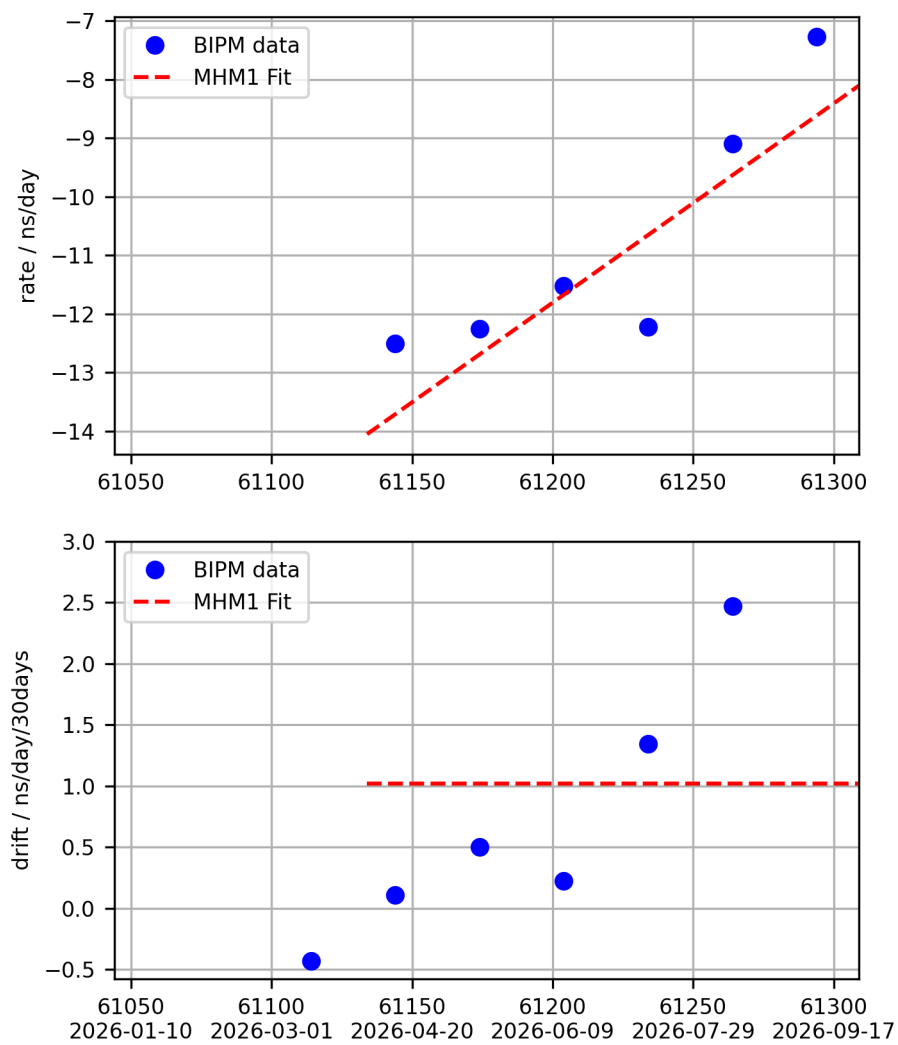
AHM3 Rate and Drift



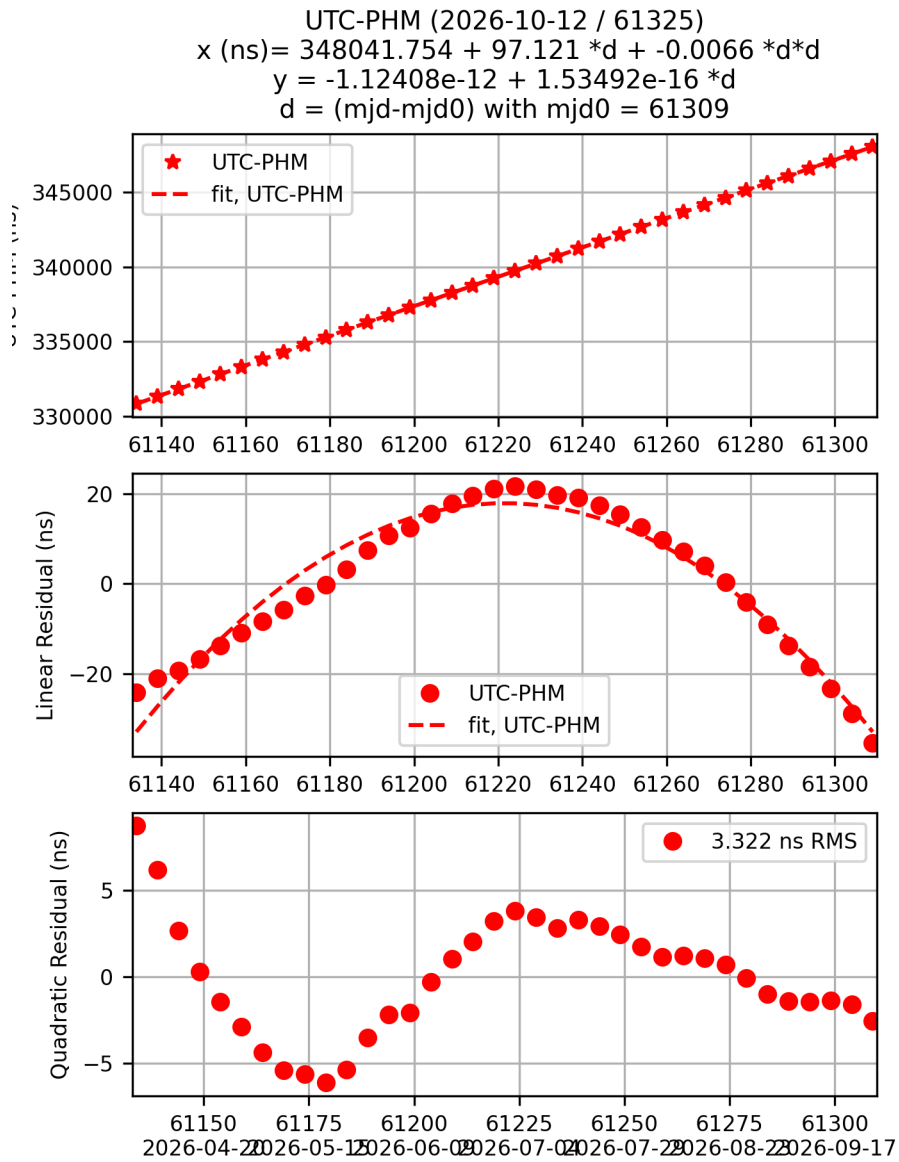
UTC - MHM1 Fit



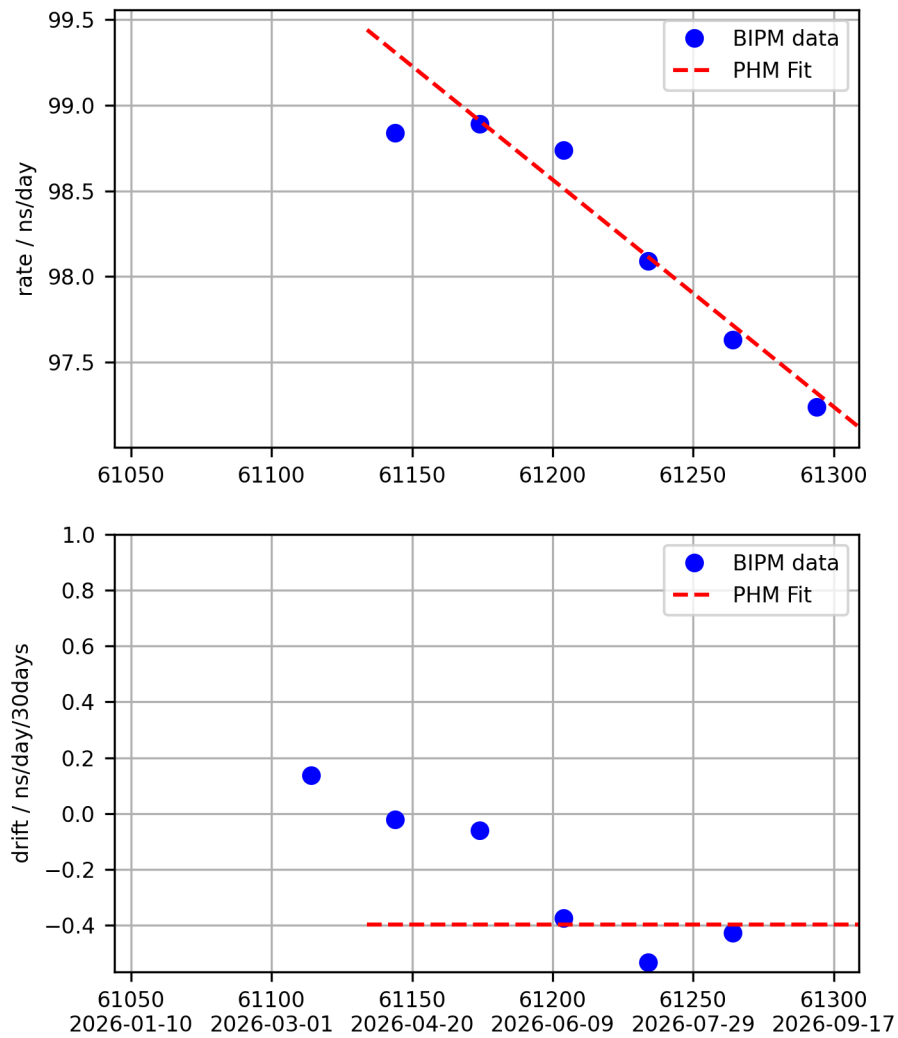
MHM1 Rate and Drift



UTC - PHM Fit

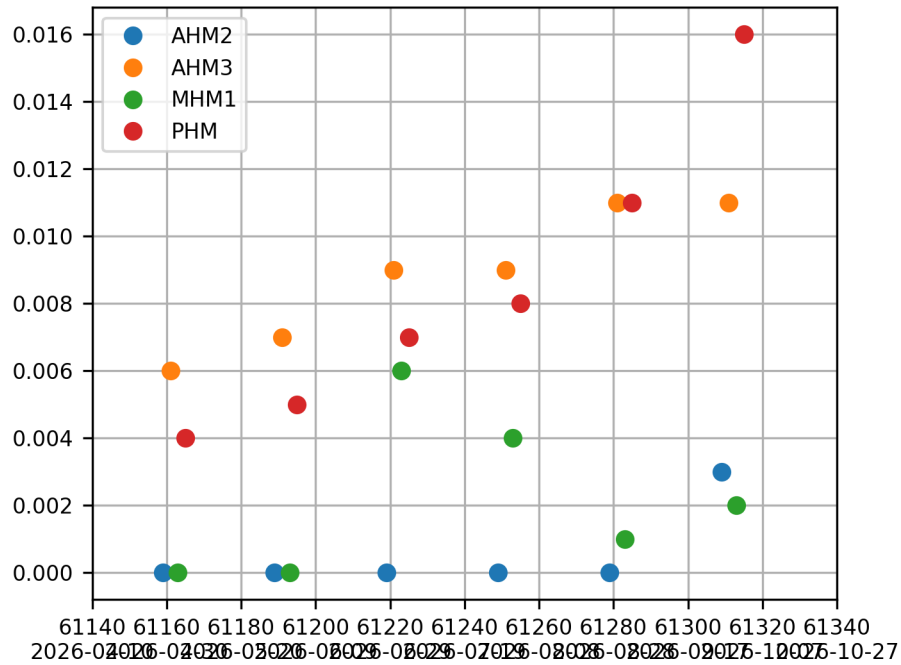


PHM Rate and Drift



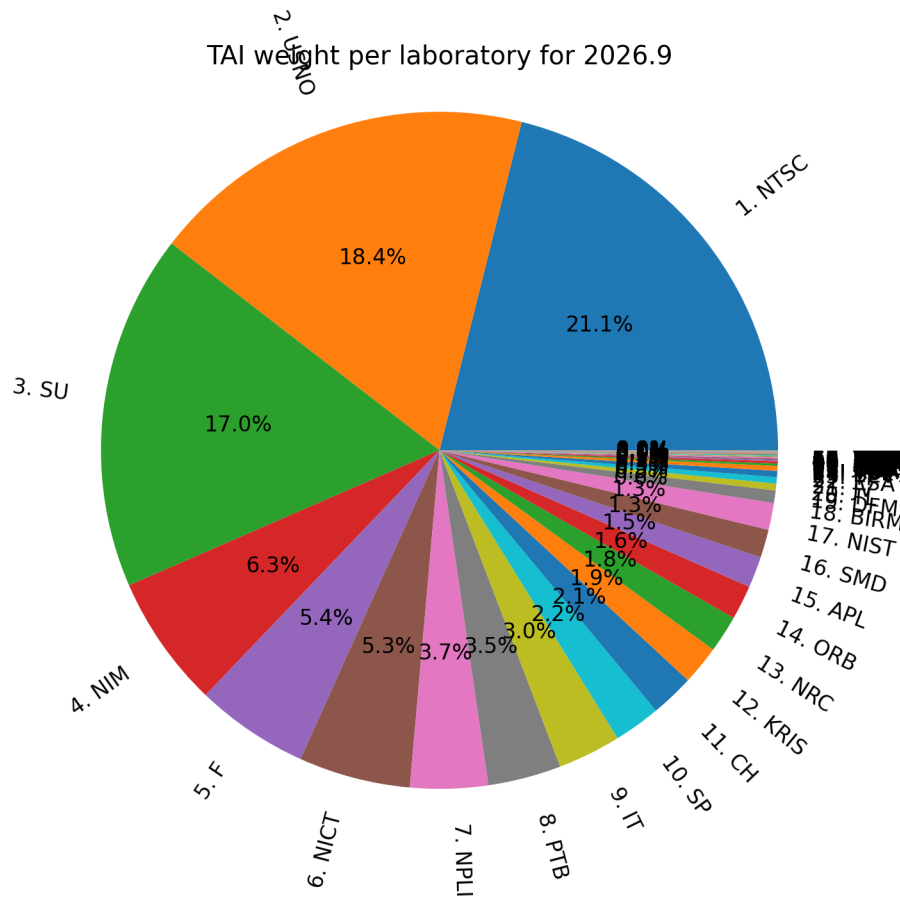
VTT MIKES Clock Weights

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 2026.09

Number of clocks 403

Number of labs 66

Number of clock types 13

Sum of weights per lab 99.989, Sum of weights per clock type 99.989

Weight Clock Type

0.849 35 MICROSEMI 5071A HIGH PERFORMANCE TUBE.

60.654 40 UNSPECIFIED HYDROGEN MASER

32.056 41 HYDROGEN MASER

0.047 36 MICROSEMI 5071A LOW/STANDARD PERFORMANCE TUBE

0.000 18 MICROSEMI Cs 4000

0.002 22 OSCILLOQUARTZ OSA 3230B/3235B

0.062 32 OSCILLOQUARTZ OSA 3300-SHP

0.023 44 Other clocks

0.014 37 OSCILLOQUARTZ OSA 3300

0.000 42 Commercial Rubidium clock

0.021 38 Chengdu Spaceon Electronics Company TA1000

6.255 93 GROUND-STATE HYPERFINETRANSITION OF 87 Rb

0.006 92 GROUND-STATE HYPERFINE TRANSITION OF 133 Cs

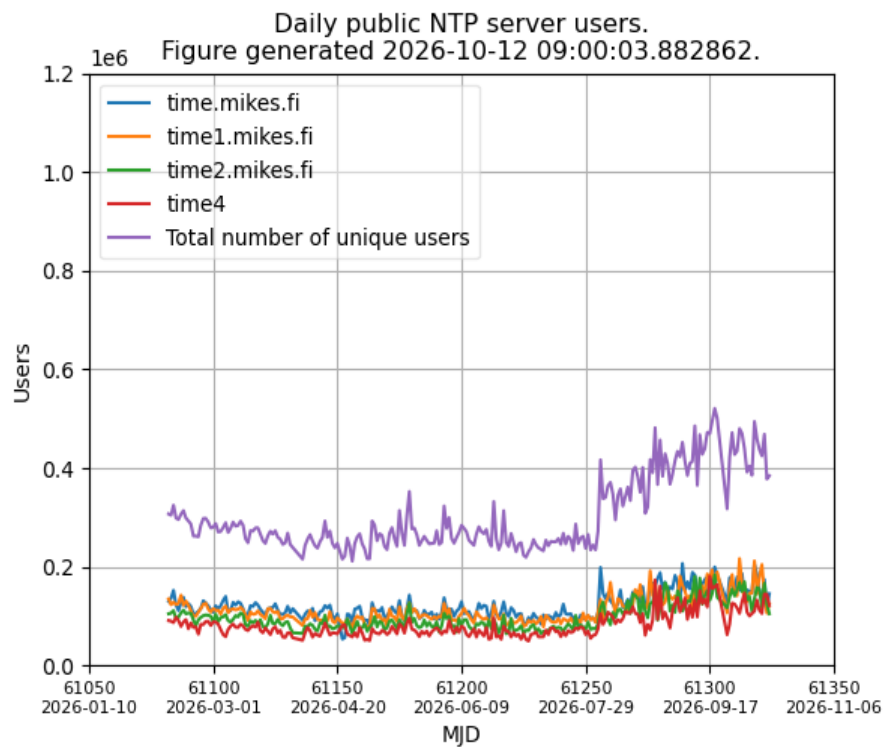
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Rank Weight Lab

1 21.094 NTSC
2 18.439 USNO
3 16.990 SU
4 6.329 NIM
5 5.411 F
6 5.325 NICT
7 3.716 NPLI
8 3.488 PTB
9 3.015 IT
10 2.225 SP
11 2.072 CH
12 1.869 KRIS
13 1.776 NRC
14 1.633 ORB
15 1.491 APL
16 1.340 SMD
17 1.283 NIST
18 0.599 BIRM
19 0.325 DFM
20 0.301 TL
21 0.298 JV
22 0.231 ESA
23 0.114 TP
24 0.109 BEV
25 0.067 VSL
26 0.060 ROA
27 0.060 ONRJ
28 0.034 UME
29 0.032 MIKE
30 0.029 SCL
31 0.027 JATC
32 0.024 IMBH
33 0.016 AUS
34 0.016 CAO
35 0.016 NIMT
36 0.014 HKO
37 0.013 KZ
38 0.013 NPL
39 0.011 NIS
40 0.011 CNM
41 0.011 INPL

NTP Usage Statistics

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



End of Bulletin.