

UTC(MIKE) Atomic Bulletin 2026-09

VTT MIKES Metrology monthly Time & Frequency bulletin.

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

Date of publication: 2026-09-17 (61300)

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

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

Last day of analysis interval: 2026-08-27 (61279)

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

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.

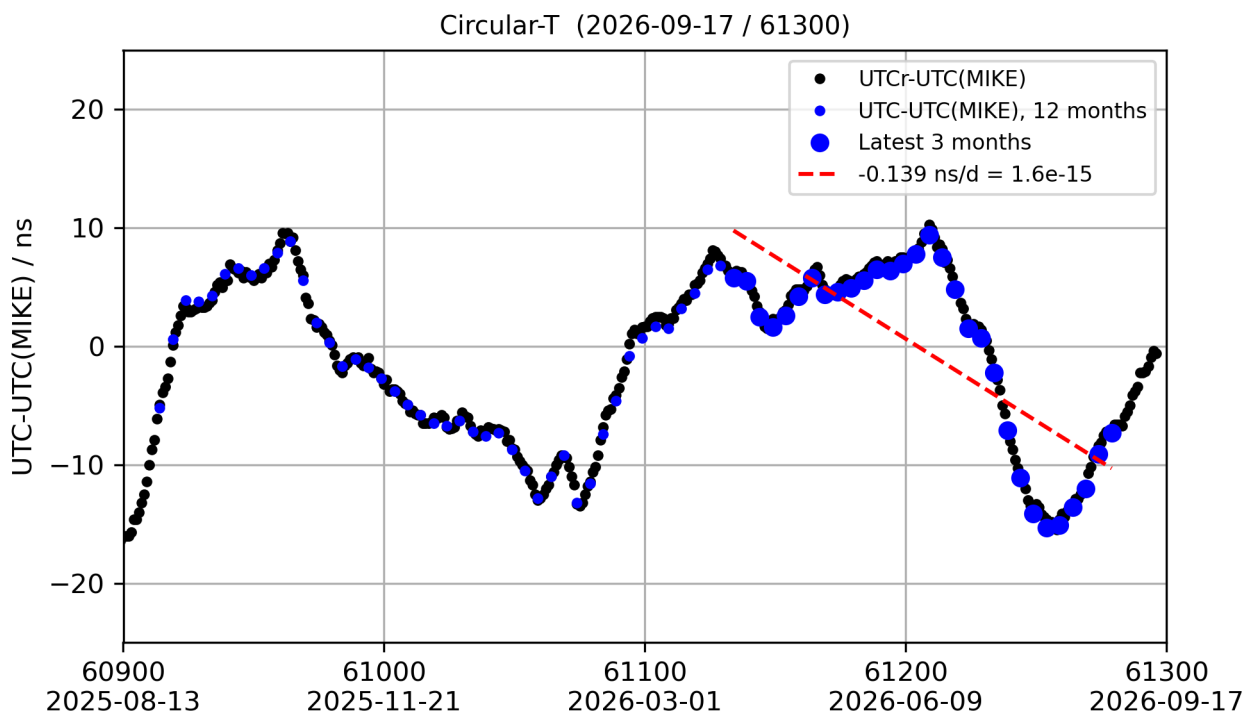
61195 (2026-06-04) High temperature in maser room.

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.

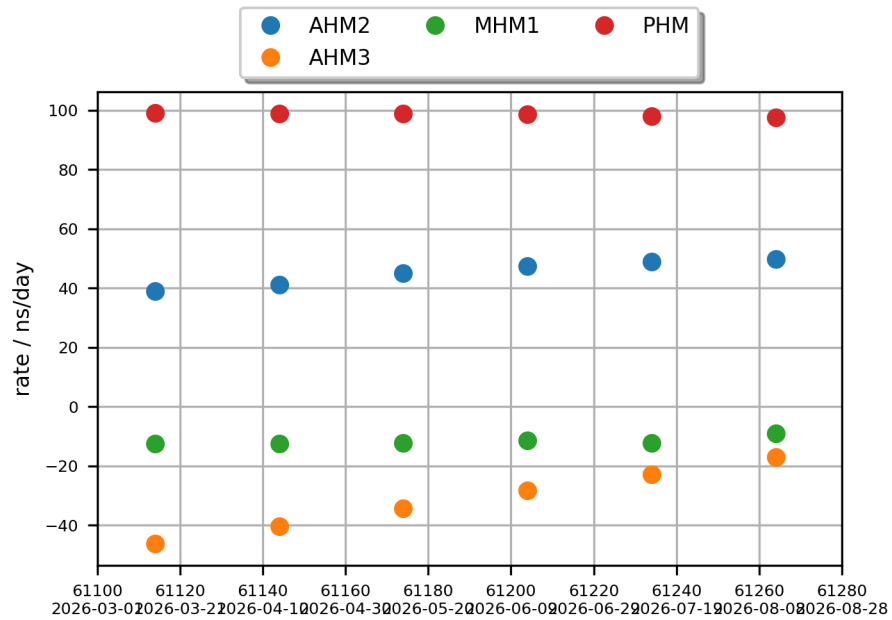
UTC-UTC(MIKE) as reported in Circular-T



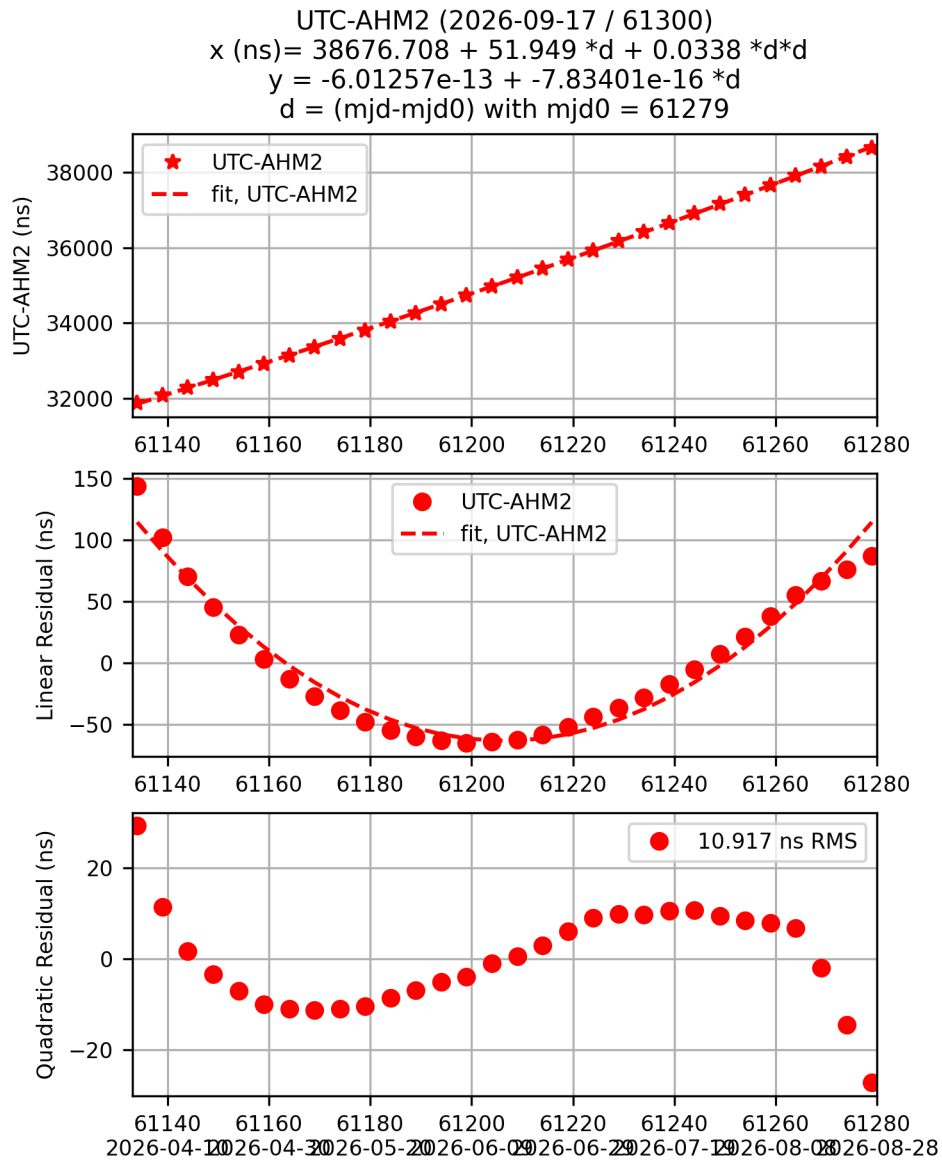
UTC-UTC(MIKE) is available on 5 day intervals on MJD dates ending with 4 or 9. Values are published monthly by the BIPM in Circular-T.

Clock Rates - Summary

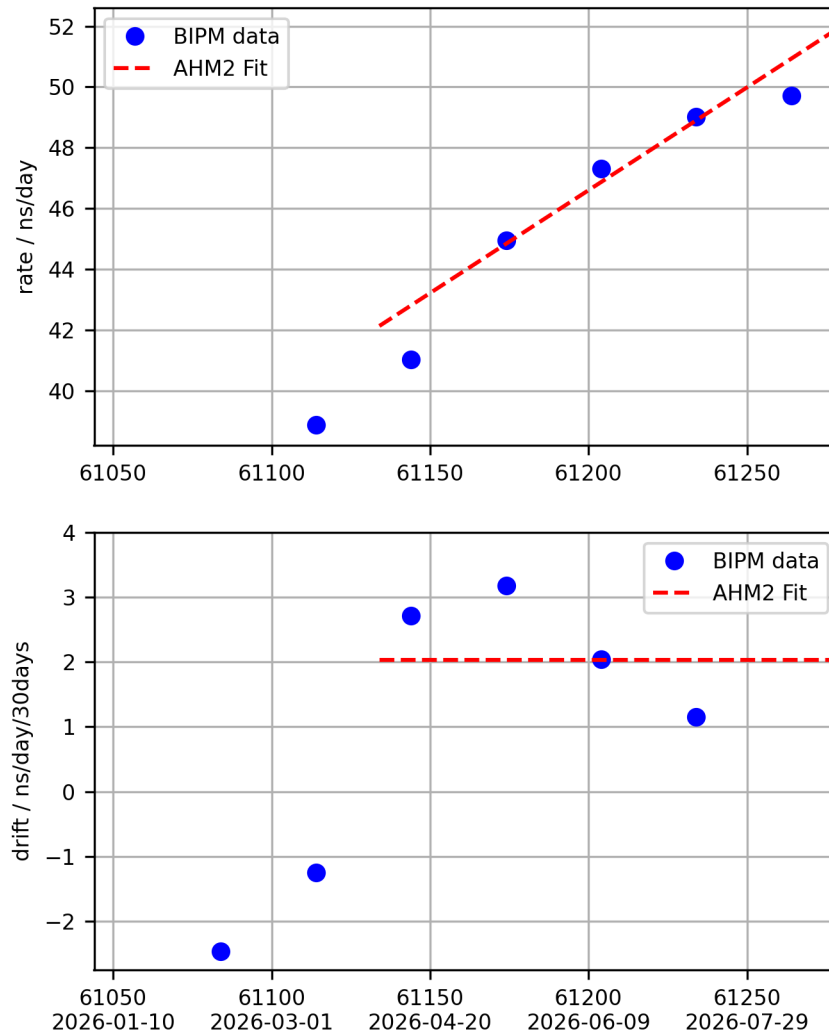
Clock rates as reported by the BIPM in the monthly r-report.

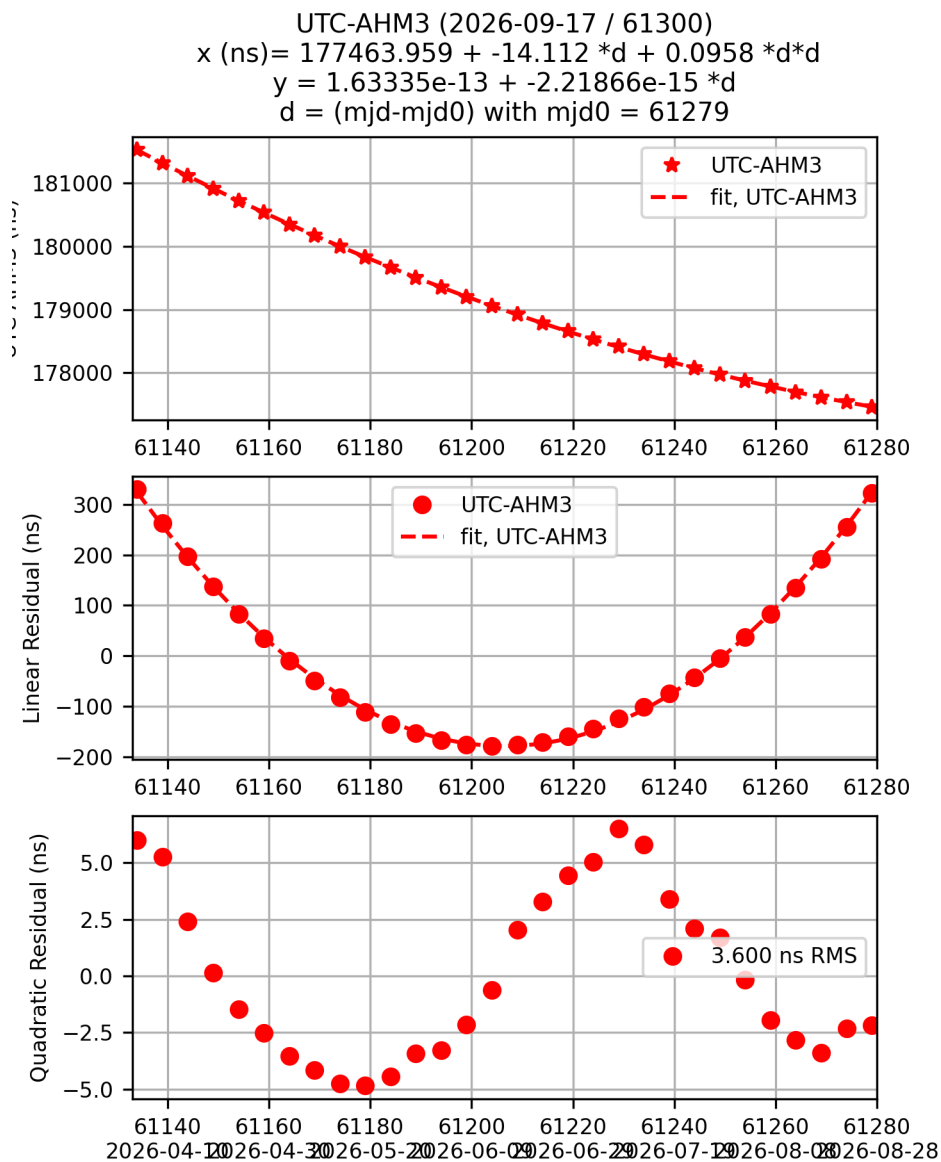


UTC - AHM2 Fit

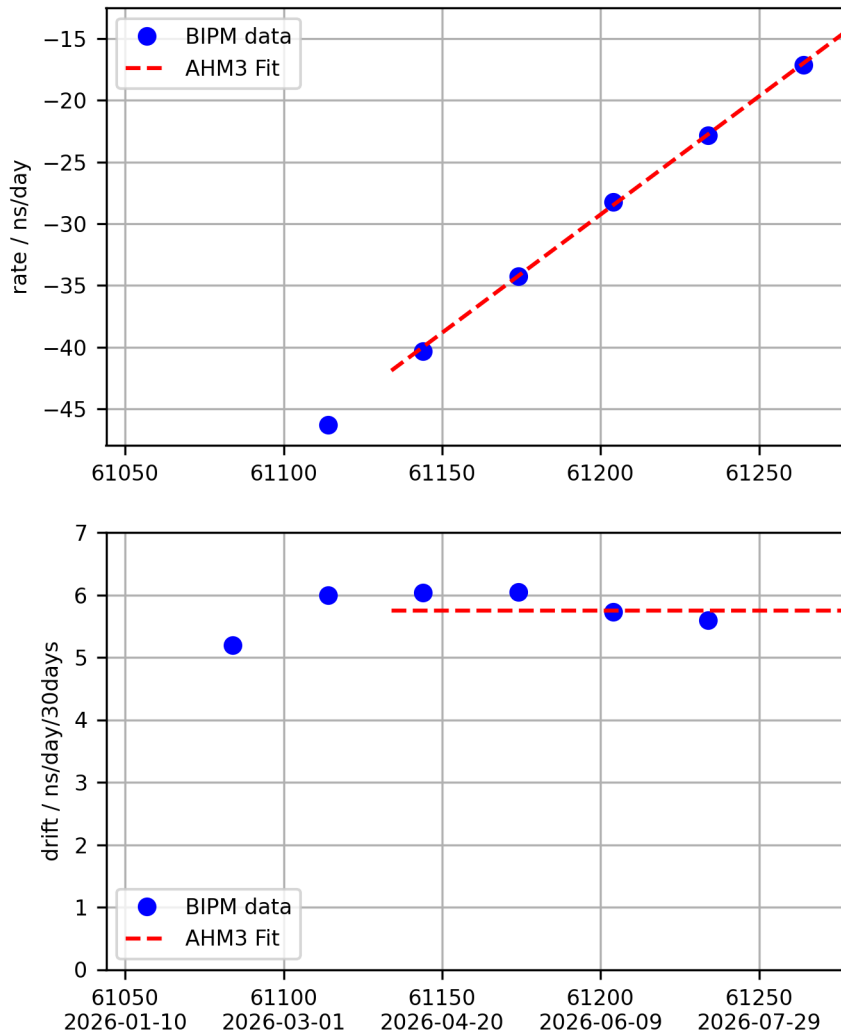


AHM2 Rate and Drift

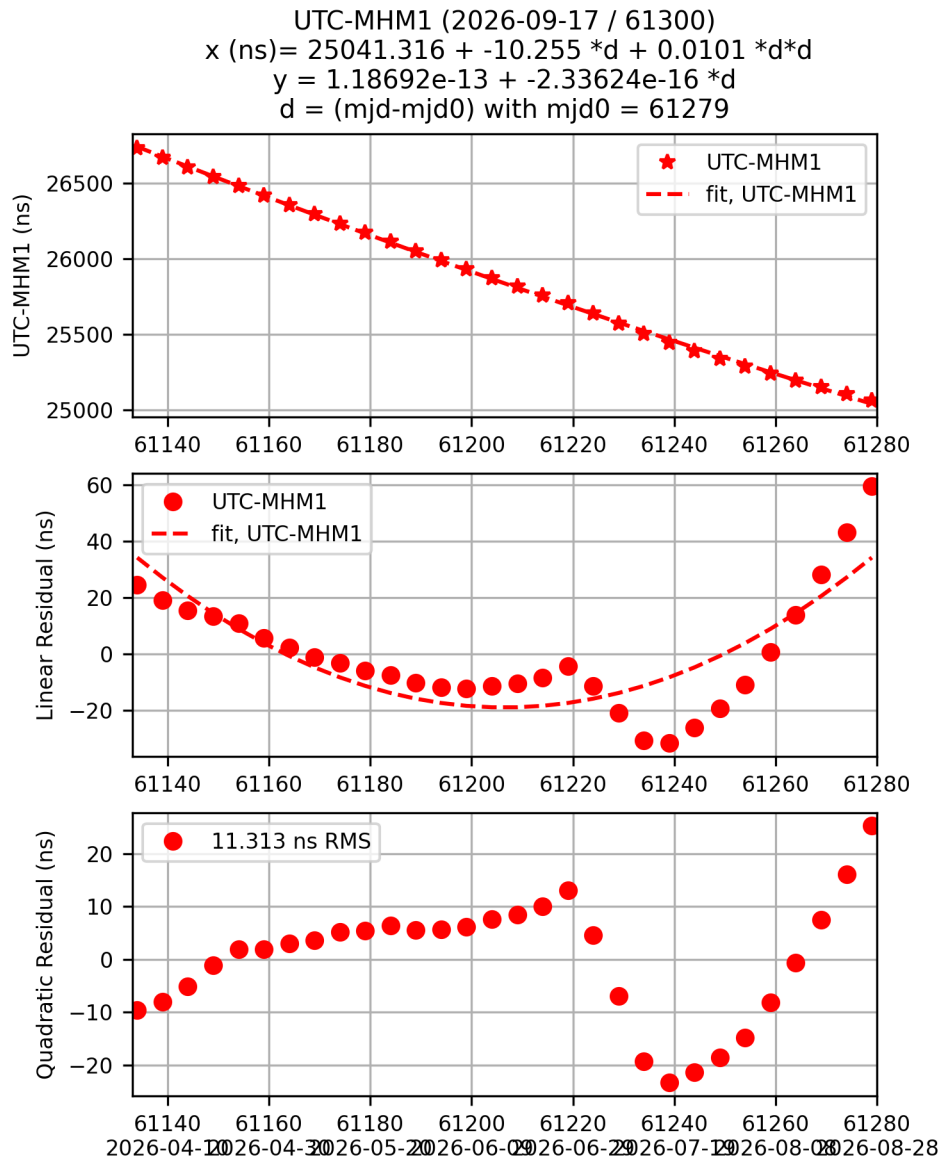


UTC - AHM3 Fit

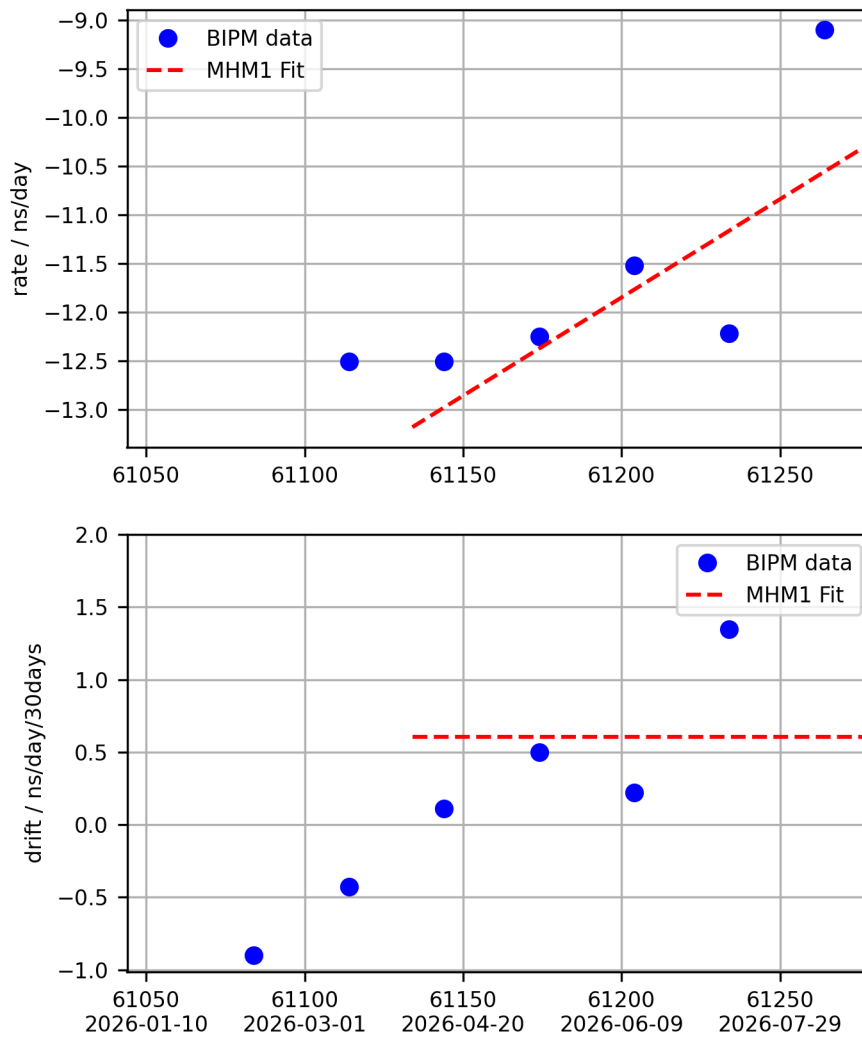
AHM3 Rate and Drift



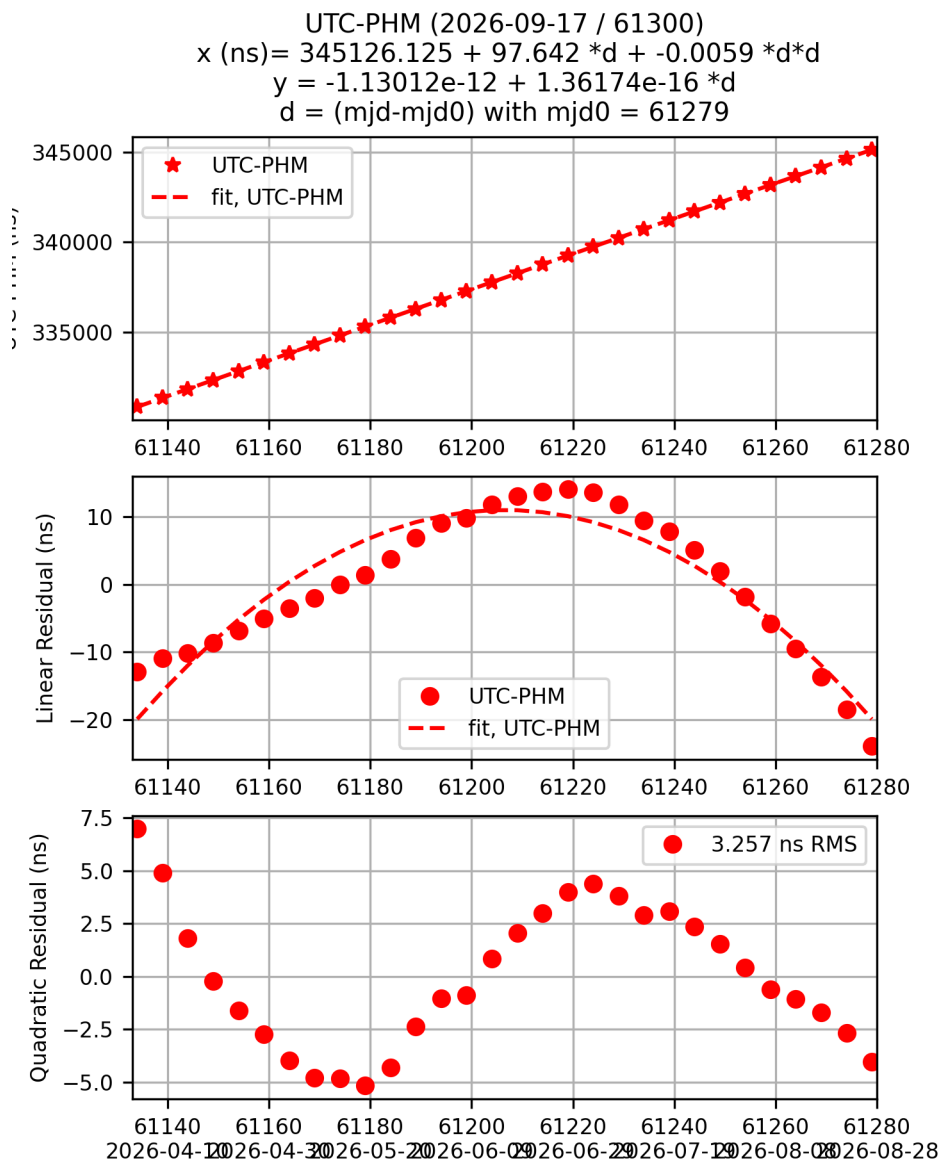
UTC - MHM1 Fit



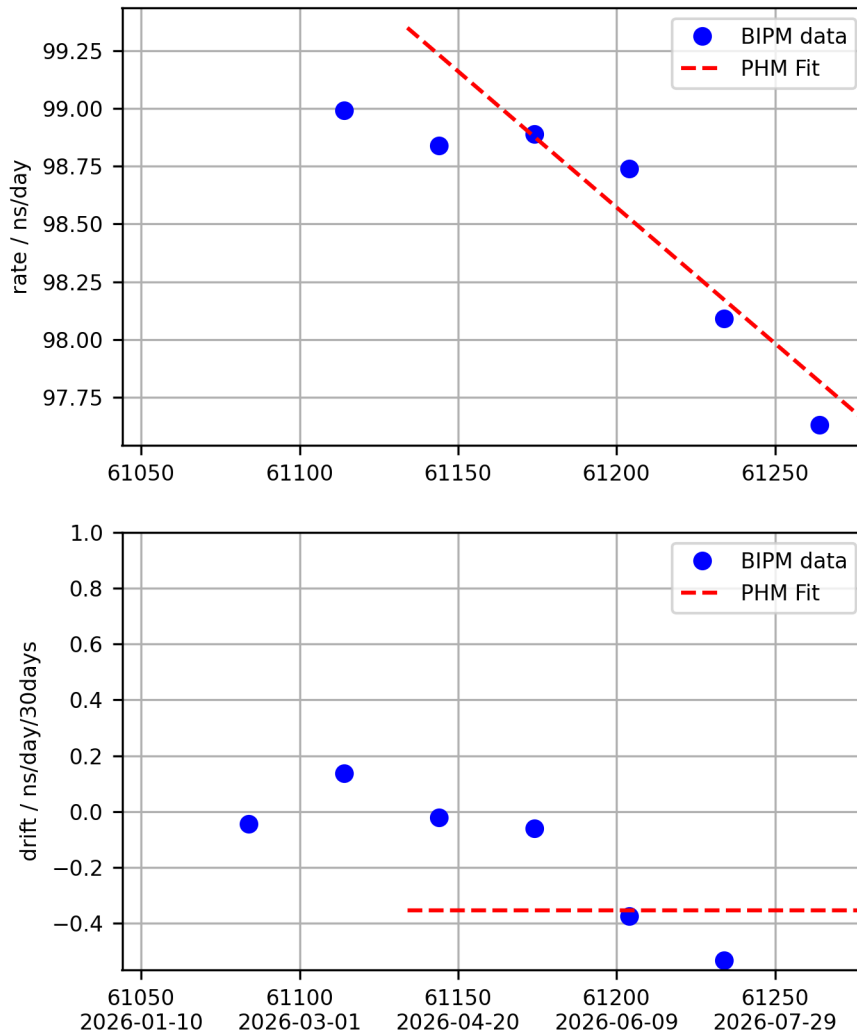
MHM1 Rate and Drift



UTC - PHM Fit

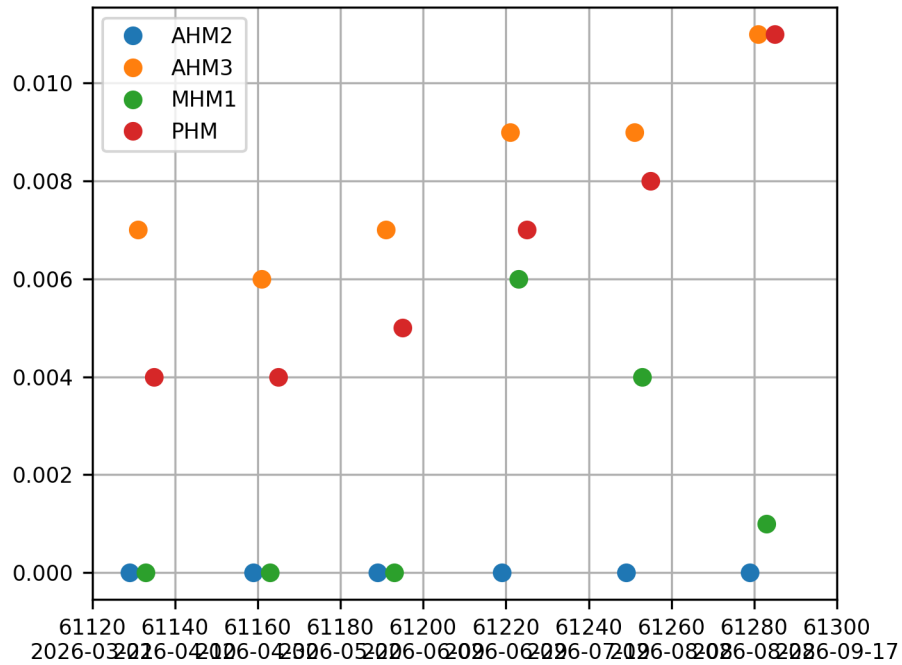


PHM Rate and Drift



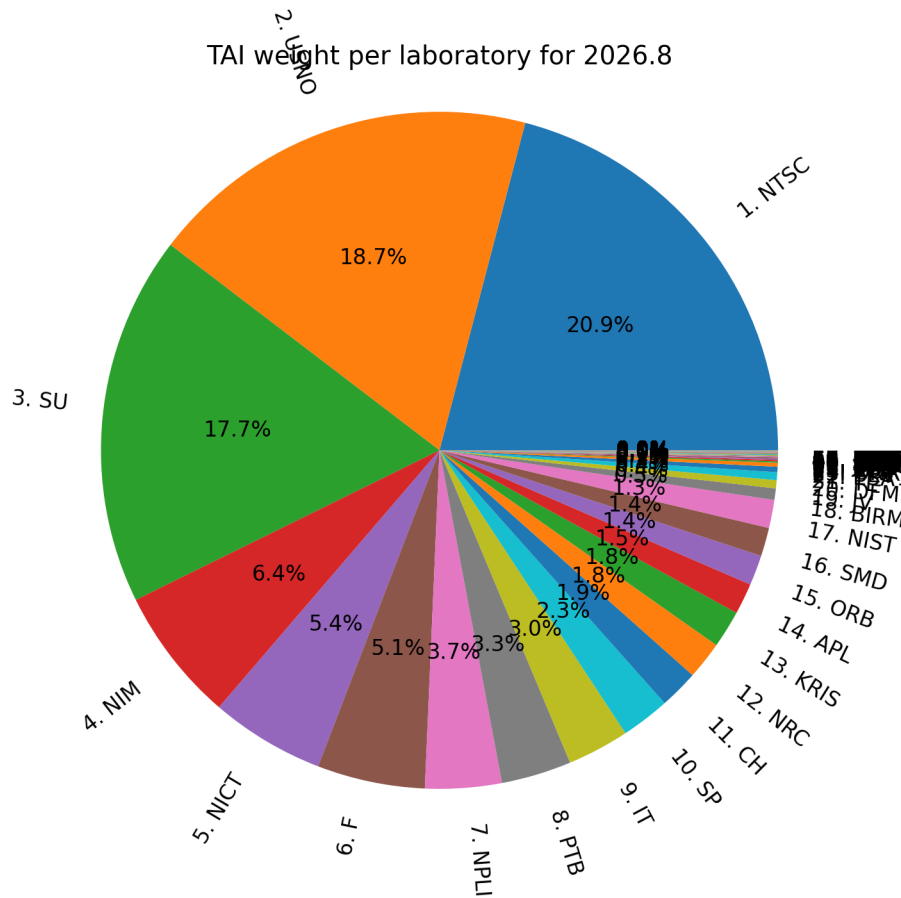
VTT MIKES Clock Weights

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 2026.08

Number of clocks 406

Number of labs 69

Number of clock types 13

Sum of weights per lab 99.987, Sum of weights per clock type 99.987

Weight Clock Type

0.813 35 MICROSEMI 5071A HIGH PERFORMANCE TUBE.

61.253 40 UNSPECIFIED HYDROGEN MASER

31.361 41 HYDROGEN MASER

0.061 36 MICROSEMI 5071A LOW/STANDARD PERFORMANCE TUBE

0.000 18 MICROSEMI Cs 4000

0.002 22 OSCILLOQUARTZ OSA 3230B/3235B

0.052 32 OSCILLOQUARTZ OSA 3300-SHP

0.030 44 Other clocks

0.020 37 OSCILLOQUARTZ OSA 3300

0.000 42 Commercial Rubidium clock

0.021 38 Chengdu Spaceon Electronics Company TA1000

6.368 93 GROUND-STATE HYPERFINETRANSITION OF 87 Rb

0.006 92 GROUND-STATE HYPERFINE TRANSITION OF 133 Cs

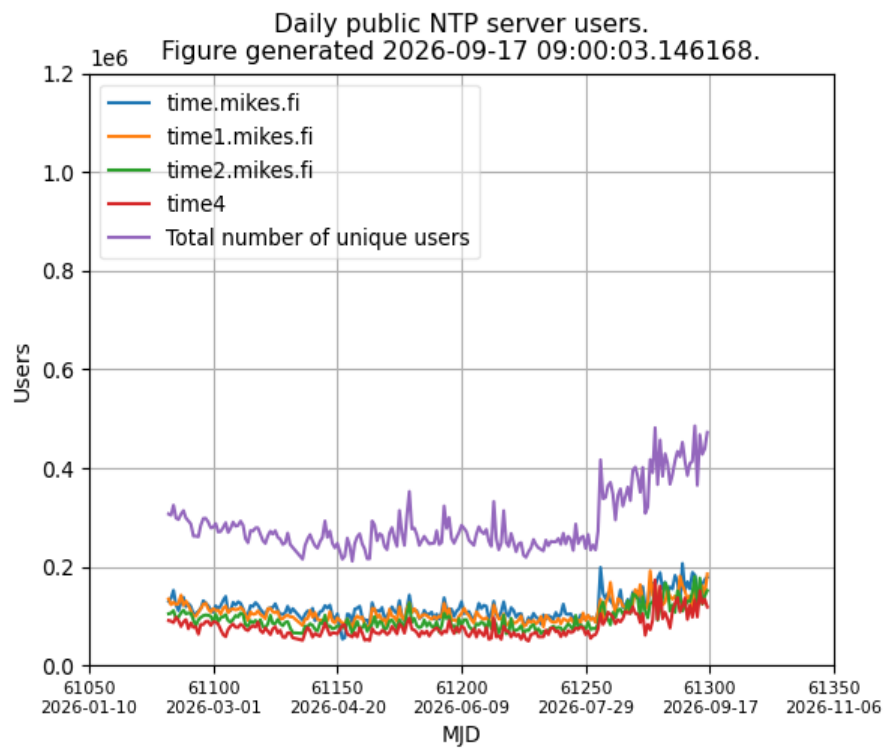
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Rank Weight Lab

1 20.920 NTSC
2 18.696 USNO
3 17.662 SU
4 6.428 NIM
5 5.449 NICT
6 5.144 F
7 3.650 NPLI
8 3.343 PTB
9 2.953 IT
10 2.325 SP
11 1.856 CH
12 1.804 NRC
13 1.789 KRIS
14 1.482 APL
15 1.438 ORB
16 1.362 SMD
17 1.343 NIST
18 0.547 BIRM
19 0.389 JV
20 0.376 DFM
21 0.257 TL
22 0.187 ESA
23 0.071 BEV
24 0.069 ONRJ
25 0.058 ROA
26 0.057 VSL
27 0.038 TP
28 0.034 SCL
29 0.031 SASO
30 0.027 JATC
31 0.023 MIKE
32 0.019 NIMT
33 0.017 IMBH
34 0.014 AUS
35 0.013 KZ
36 0.012 HKO
37 0.012 NPL
38 0.010 INPL
39 0.009 CNMP
40 0.009 NIS
41 0.009 CNM

NTP Usage Statistics

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



End of Bulletin.