

UTC(MIKE) Atomic Bulletin 2026-07

VTT MIKES Metrology monthly Time & Frequency bulletin.

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

Date of publication: 2026-07-11 (61232)

Circular-T issues used for analysis: [458](#), [459](#), [460](#), [461](#), [462](#),

First day of analysis interval: 2026-02-03 (61074)

Last day of analysis interval: 2026-06-28 (61219)

ClockData for analysis: [CDMI_26.02](#), [CDMI_26.03](#), [CDMI_26.04](#), [CDMI_26.05](#), [CDMI_26.06](#),

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

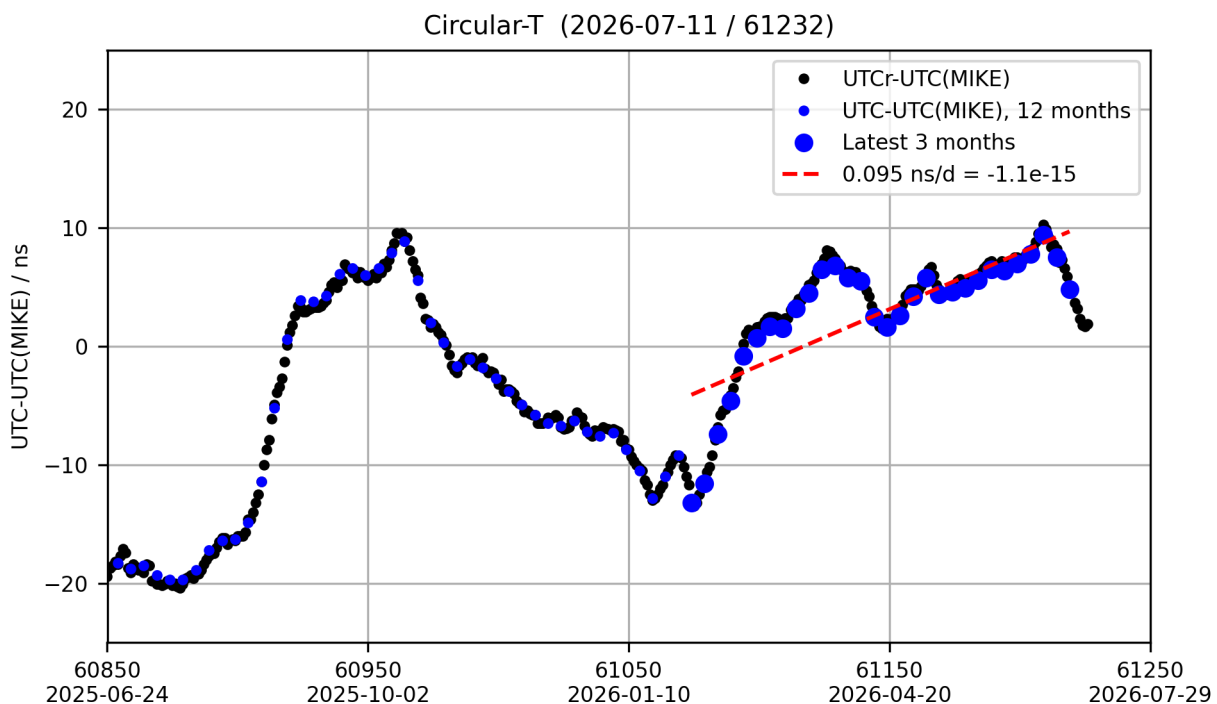
61110 (2026-03-11) AB2026-03: 4 month analysis interval. First MHM1 rate value.

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.

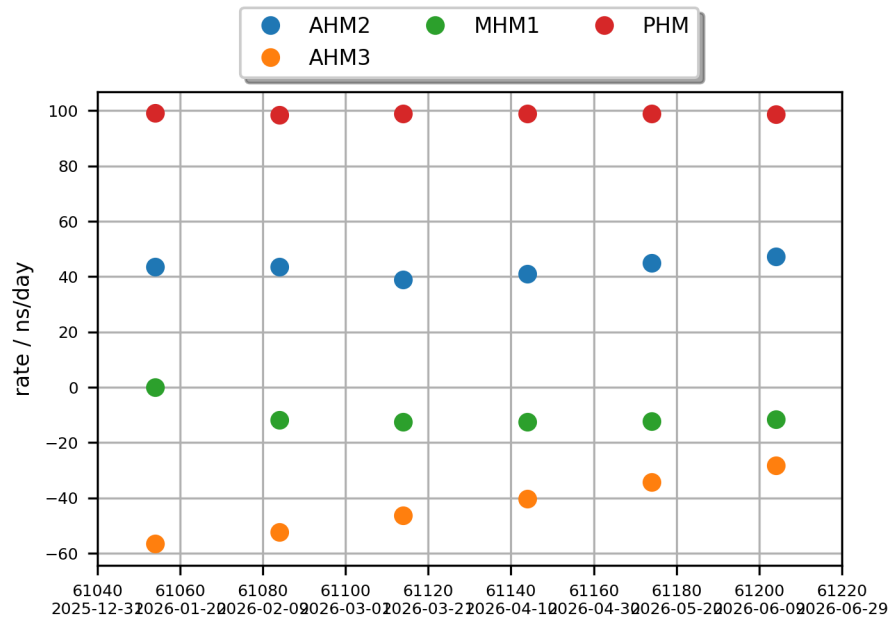
UTC-UTC(MIKE) as reported in Circular-T

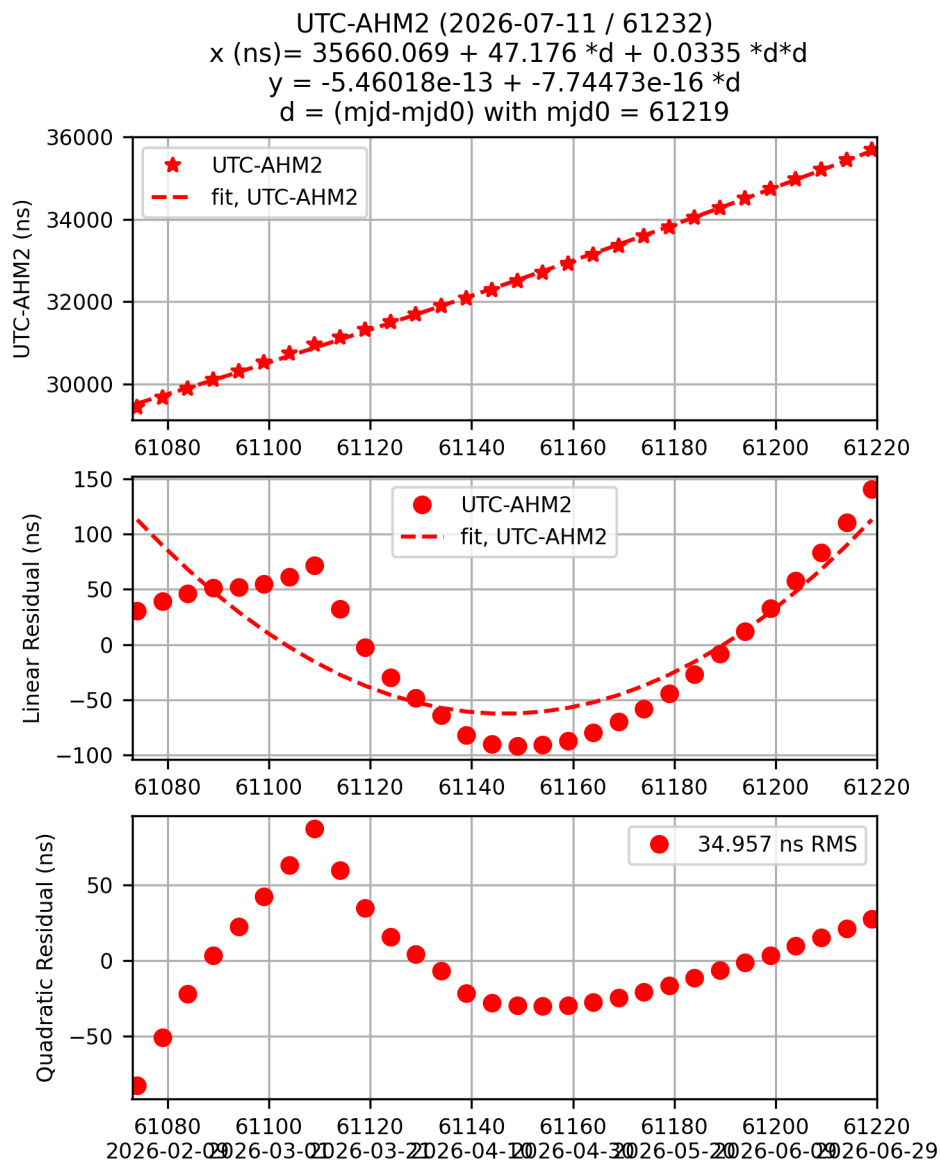


UTC-UTC(MIKE) is available on 5 day intervals on MJD dates ending with 4 or 9. Values are published monthly by the BIPM in Circular-T.

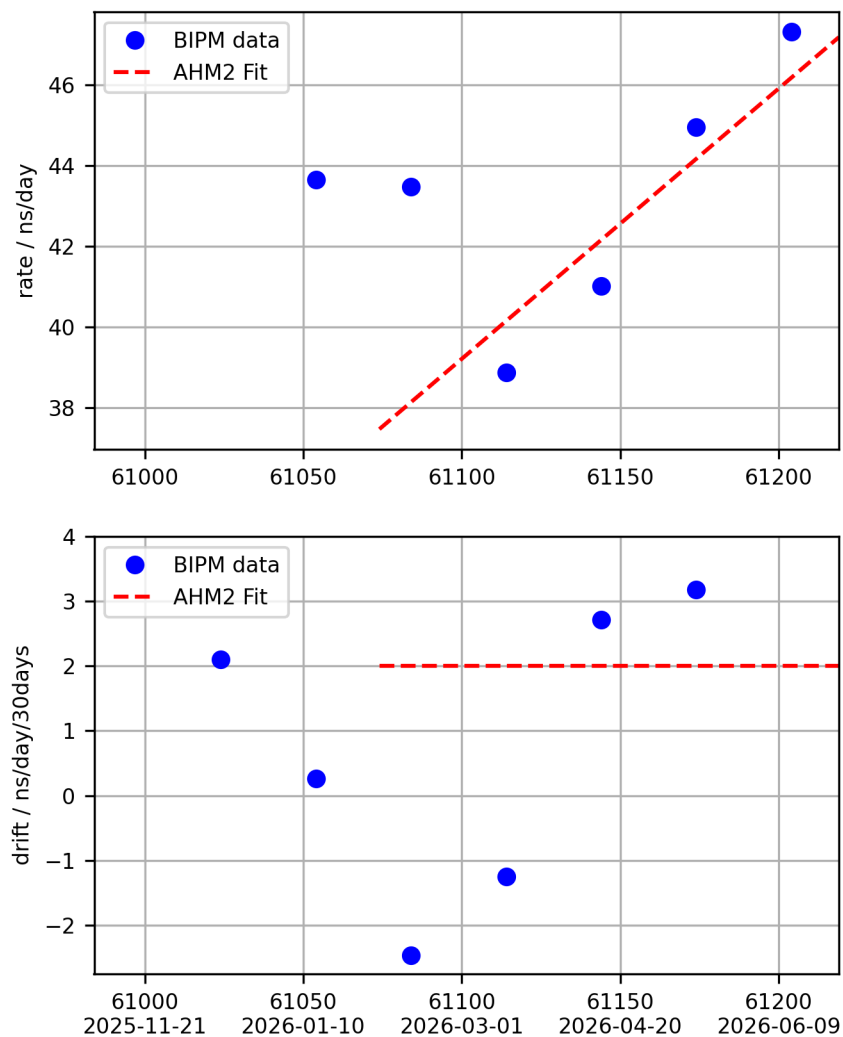
Clock Rates - Summary

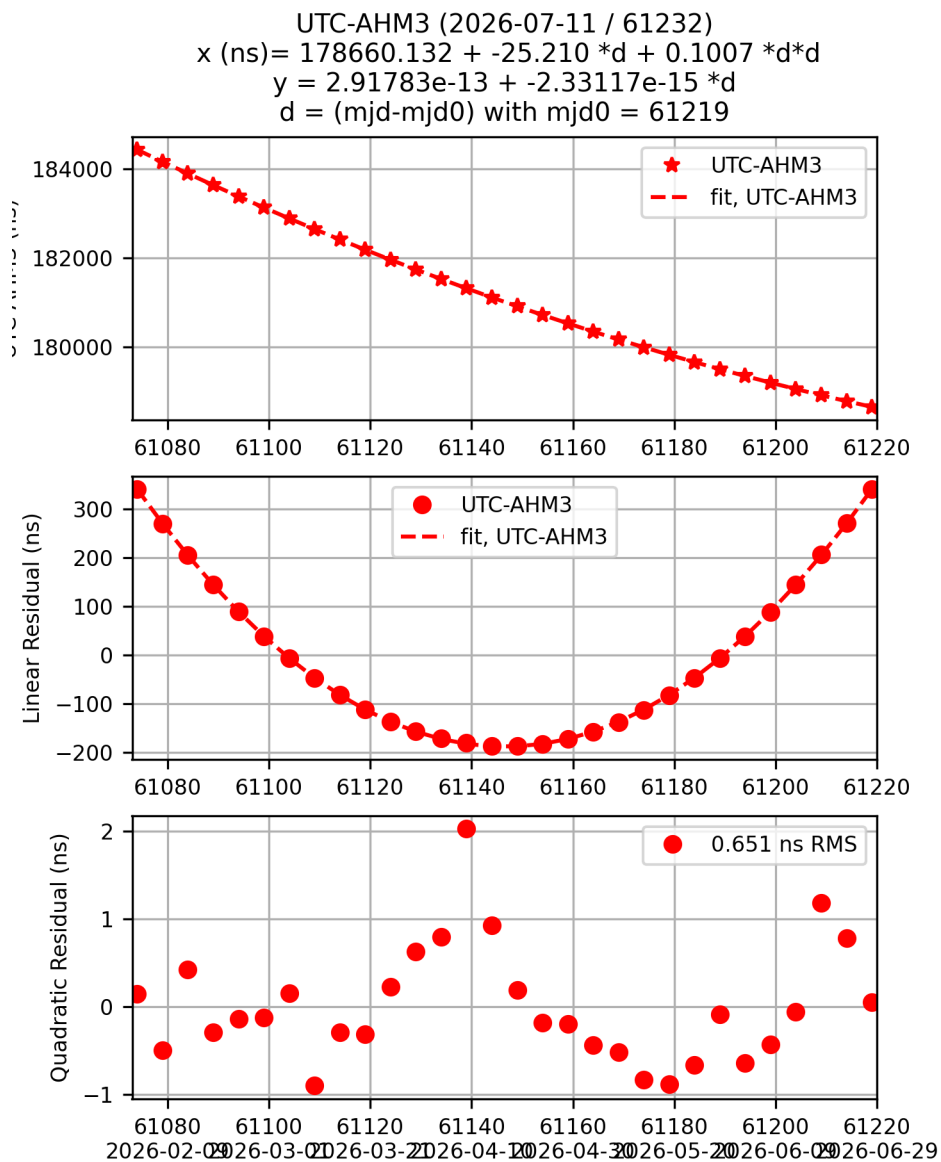
Clock rates as reported by the BIPM in the monthly r-report.



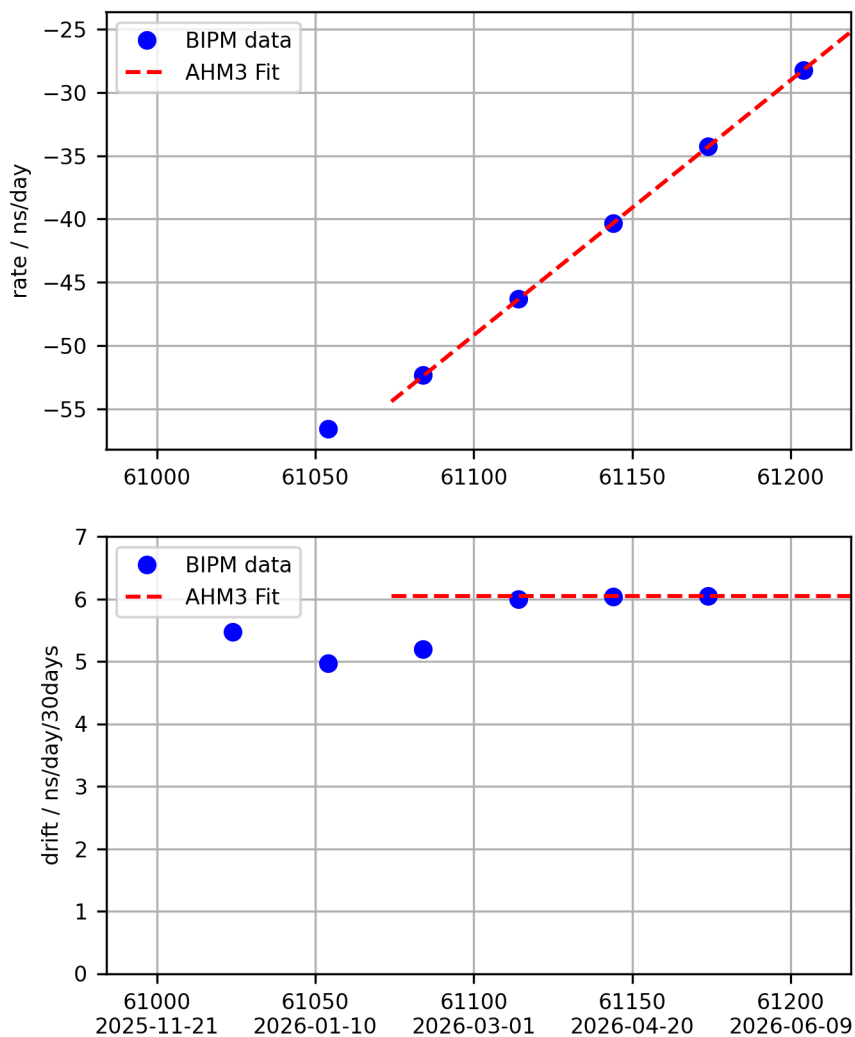
UTC - AHM2 Fit

AHM2 Rate and Drift

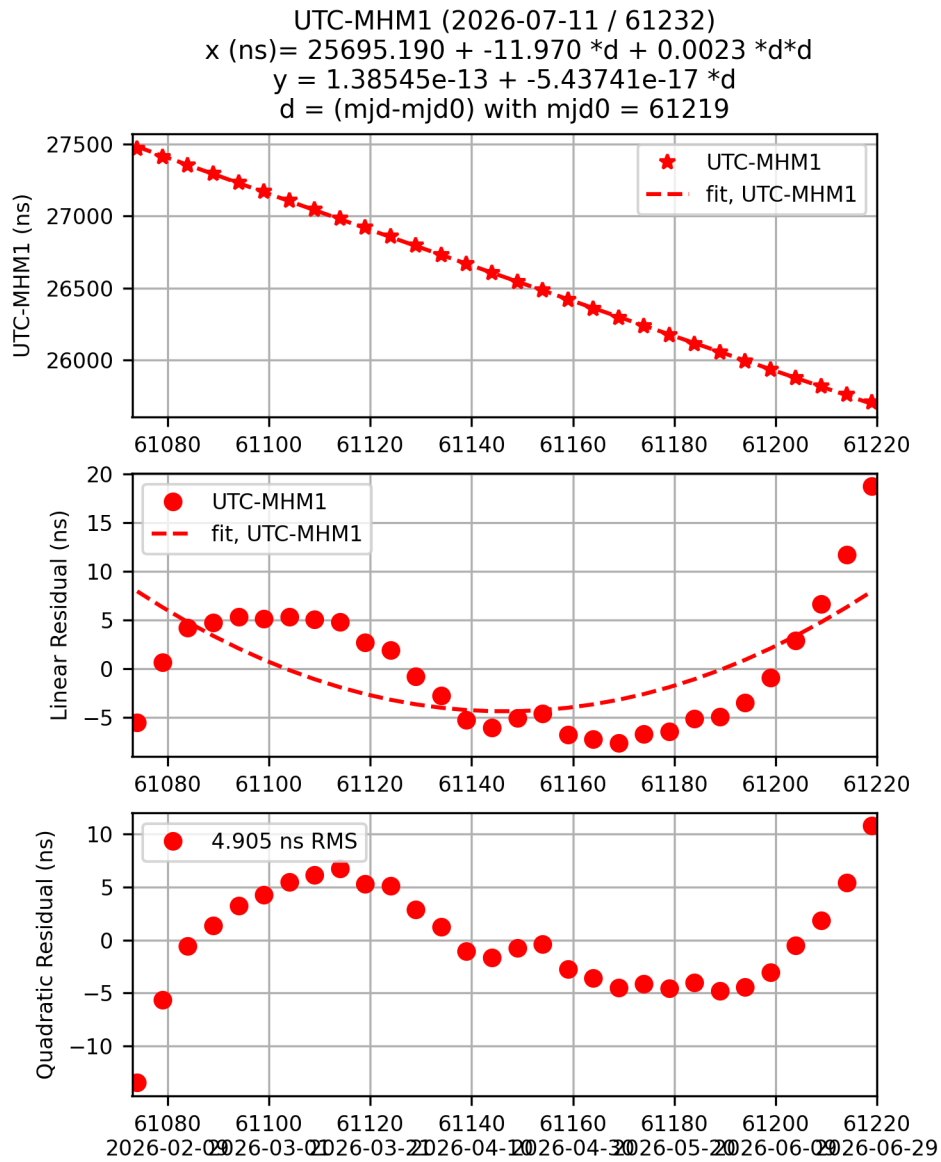


UTC - AHM3 Fit

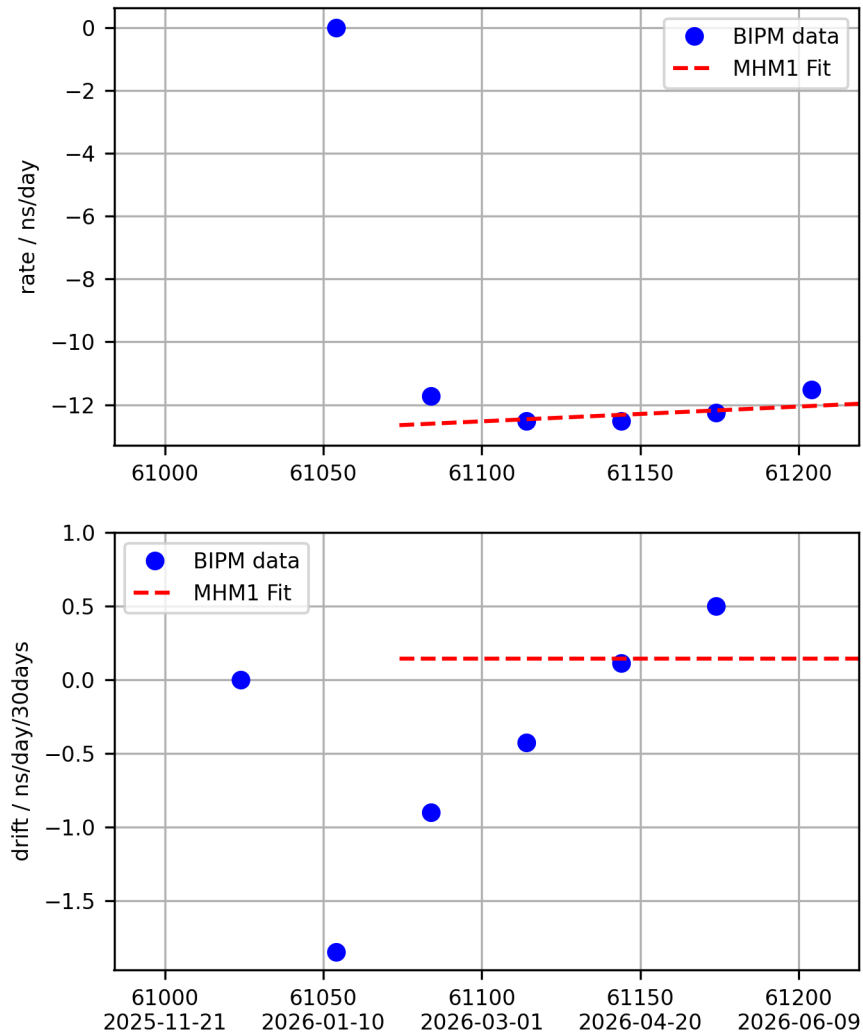
AHM3 Rate and Drift



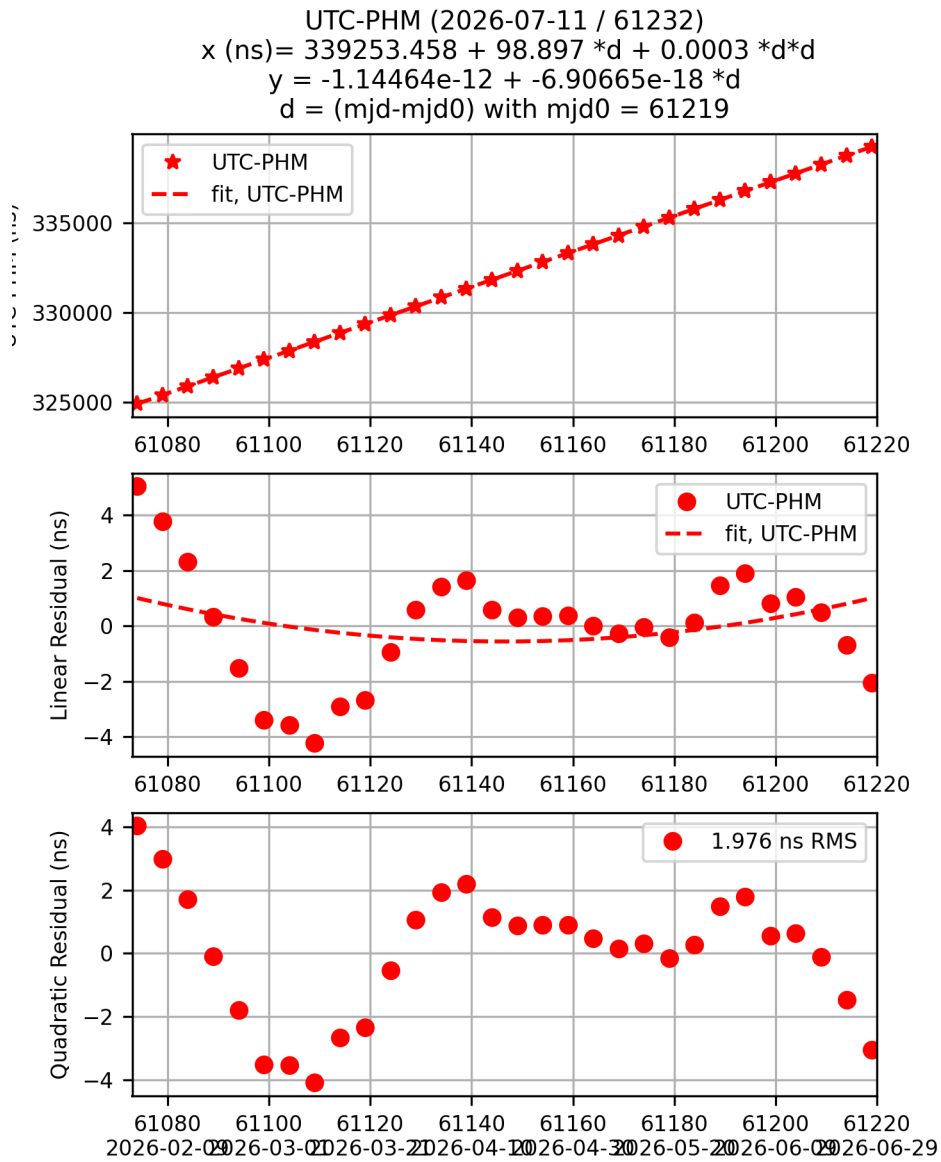
UTC - MHM1 Fit



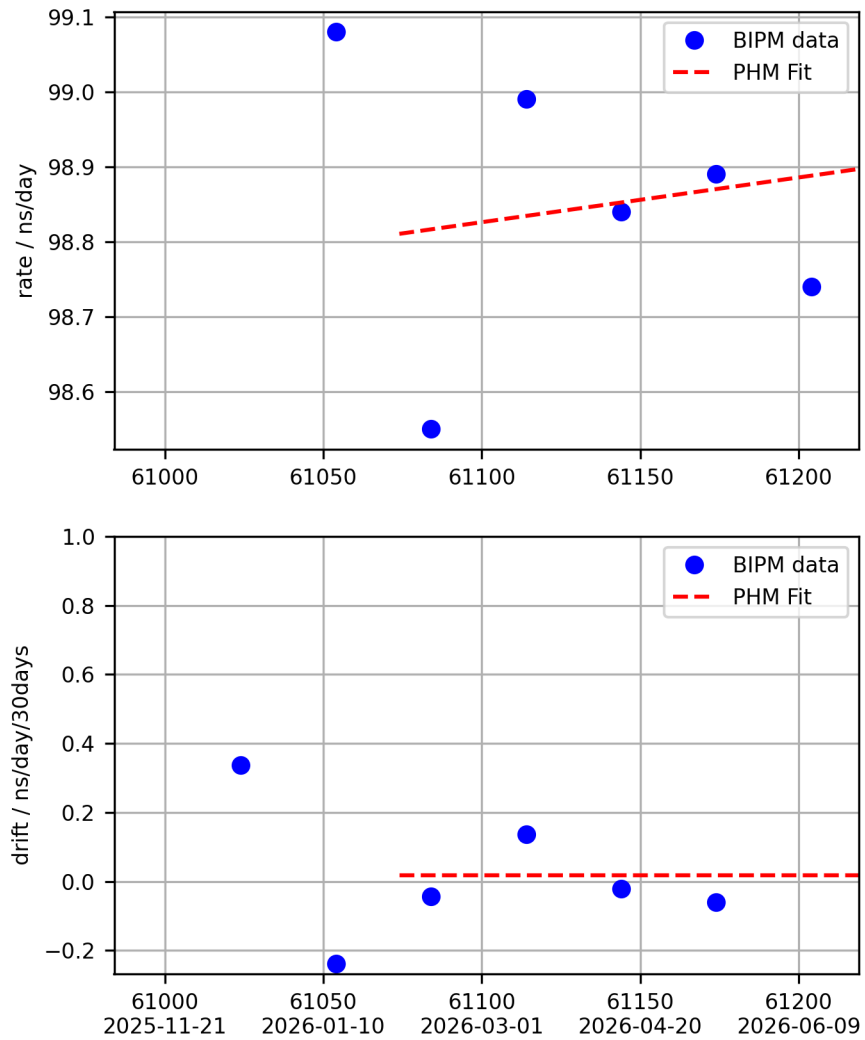
MHM1 Rate and Drift



UTC - PHM Fit

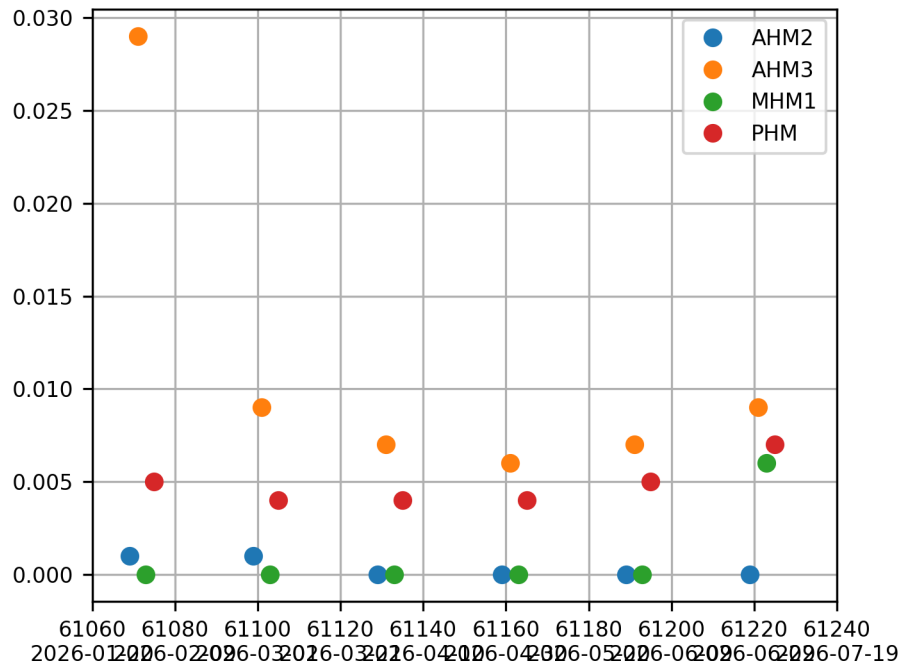


PHM Rate and Drift



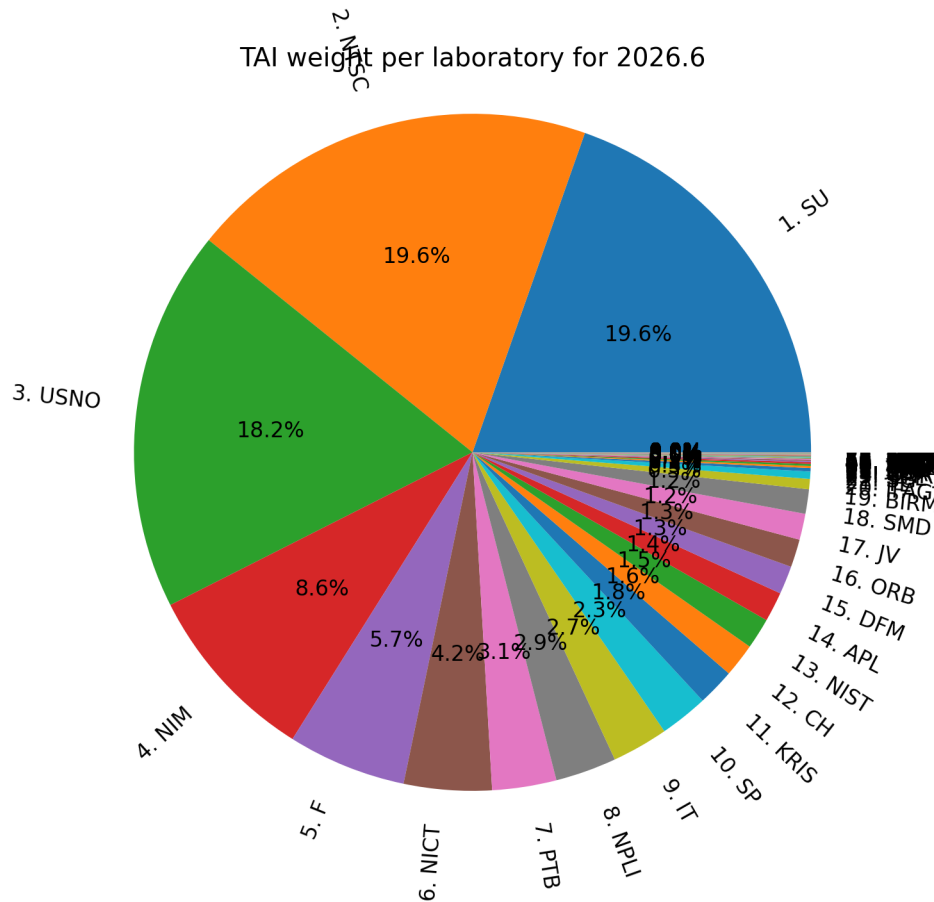
VTT MIKES Clock Weights

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 2026.06

Number of clocks 415

Number of labs 70

Number of clock types 13

Sum of weights per lab 99.988, Sum of weights per clock type 99.988

Weight Clock Type

0.812 35 MICROSEMI 5071A HIGH PERFORMANCE TUBE.

62.735 40 UNSPECIFIED HYDROGEN MASER

30.285 41 HYDROGEN MASER

0.101 36 MICROSEMI 5071A LOW/STANDARD PERFORMANCE TUBE

0.000 18 MICROSEMI Cs 4000

0.003 22 OSCILLOQUARTZ OSA 3230B/3235B

0.047 32 OSCILLOQUARTZ OSA 3300-SHP

0.000 44 Other clocks

0.010 37 OSCILLOQUARTZ OSA 3300

0.000 42 Commercial Rubidium clock

0.015 38 Chengdu Spaceon Electronics Company TA1000

5.975 93 GROUND-STATE HYPERFINETRANSITION OF 87 Rb

0.005 92 GROUND-STATE HYPERFINE TRANSITION OF 133 Cs

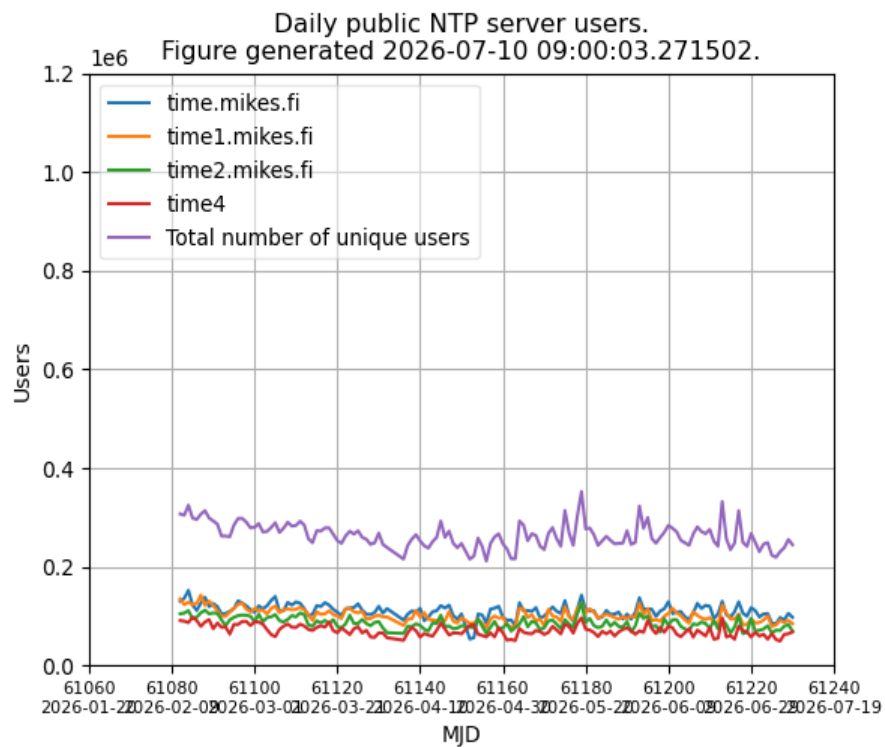
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Rank Weight Lab

1 19.611 SU
2 19.601 NTSC
3 18.229 USNO
4 8.628 NIM
5 5.656 F
6 4.189 NICT
7 3.066 PTB
8 2.917 NPLI
9 2.684 IT
10 2.304 SP
11 1.776 KRIS
12 1.598 CH
13 1.473 NIST
14 1.418 APL
15 1.348 DFM
16 1.334 ORB
17 1.245 JV
18 1.167 SMD
19 0.489 BIRM
20 0.349 IFAG
21 0.163 TL
22 0.097 SG
23 0.096 SCL
24 0.086 ONRJ
25 0.053 ESA
26 0.049 ROA
27 0.041 BEV
28 0.040 TP
29 0.028 IMBH
30 0.024 JATC
31 0.022 MIKE
32 0.022 VSL
33 0.021 SASO
34 0.016 KZ
35 0.016 NRC
36 0.015 NPL
37 0.014 NIMT
38 0.014 INPL
39 0.012 AUS
40 0.010 MSL
41 0.009 HKO

NTP Usage Statistics

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



End of Bulletin.