UTC(MIKE) Atomic Bulletin 2026-02

VTT MIKES Metrology monthly Time & Frequency bulletin.
Comments and questions to: time "at" vtt.fi
Date of publication: 2026-02-12 (61083)
Circular-T issues used for analysis: 455, 456, 457,
First day of analysis interval: 2025-11-05 (60984)
Last day of analysis interval: 2026-01-29 (61069)
ClockData for analysis: CDMI__25.11__, CDMI__25.12__, CDMI__26.01__,
The Atomic Bulletin is archived at: https://monitor.mikes.fi/ftp/atomic_bulletin/

Notes

60502 (2024-07-11) AB2024-07: AHM3 fit to to 60434->. Steering -7e-15 = +18 ns/30days.
60536 (2024-08-14) AB2024-08: set steering to zero.
60845 (2025-06-19) AB2025-06: fit to 6 months. set steering to +20ns/60days = -3.8e-15.
60871 (2025-07-15) AB2025-07: keep steering +20ns/60days = -3.8e-15.
60898 (2025-08-11) AB2025-08: keep steering +20ns/60days = -3.8e-15.
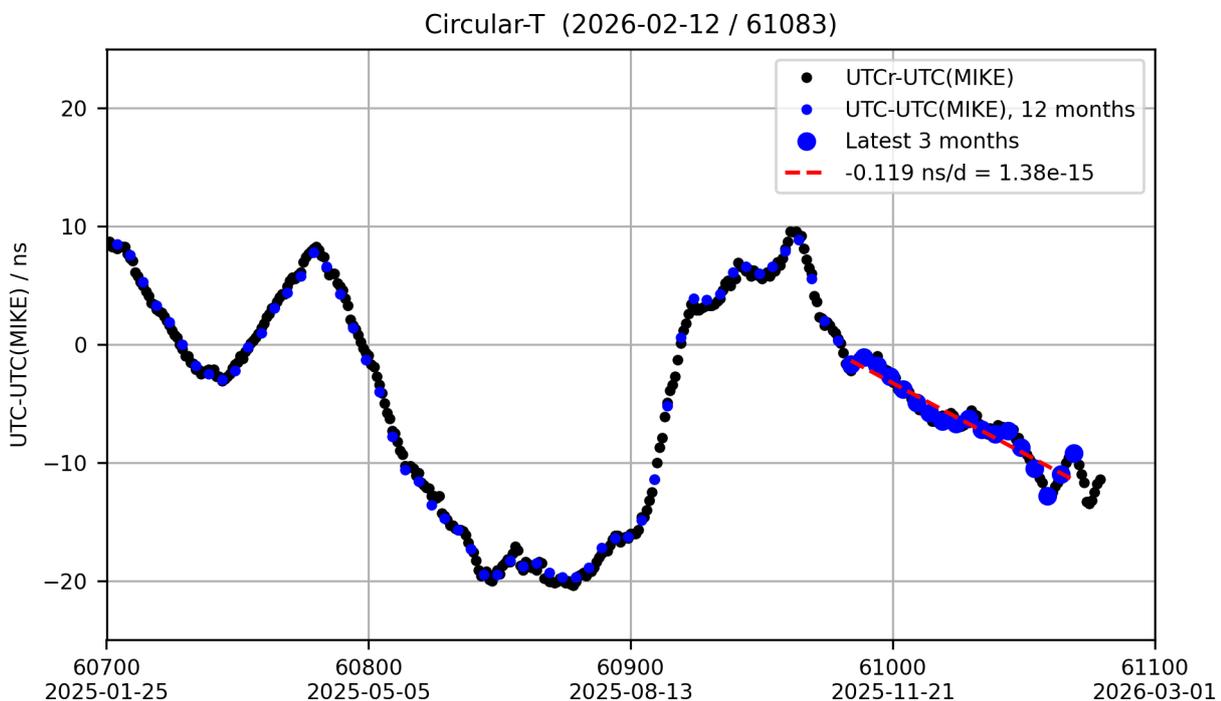60919 (2025-09-01) set steering to zero.
60923 (2025-09-05) set steering +8e-15.
60979 (2025-10-31) AHM3 frequency adjustment +4e-12 at 13:52 UTC.
60983 (2025-11-04) High temperature in maser room.
61041 (2026-01-01) Report MHM1 (1412084) ClockData to BIPM
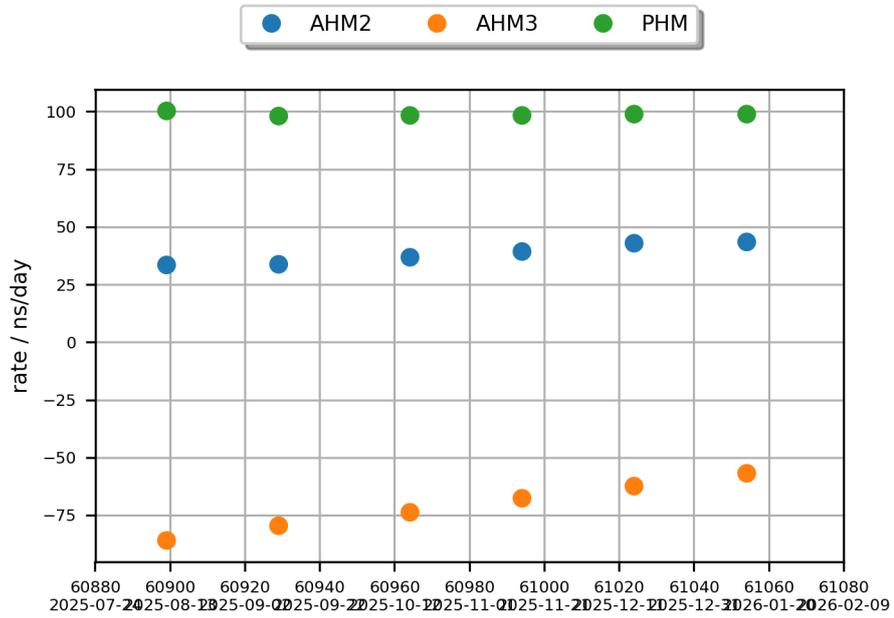61083 (2026-02-12) ab2026-02, analyze MHM1, AHM3 rebooted 2026-02-02

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

Circular-T (2026-02-12 / 61083)

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.
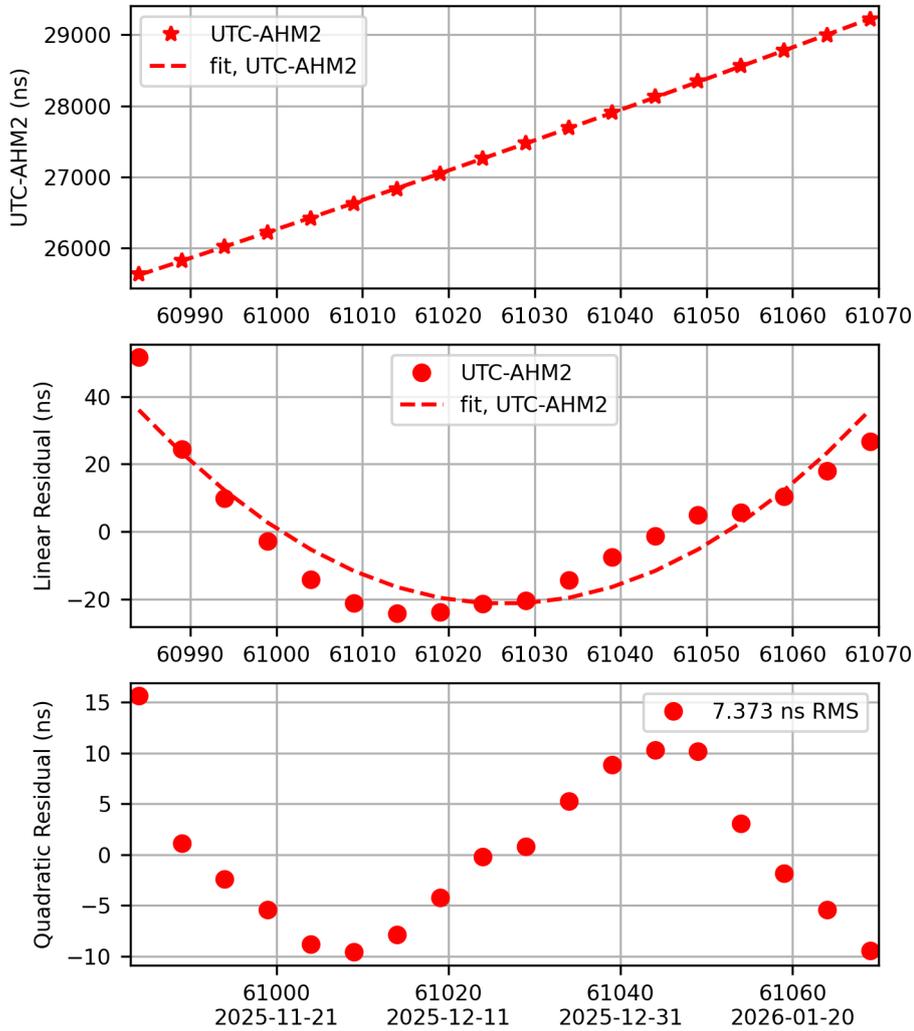
Clock Rates - Summary

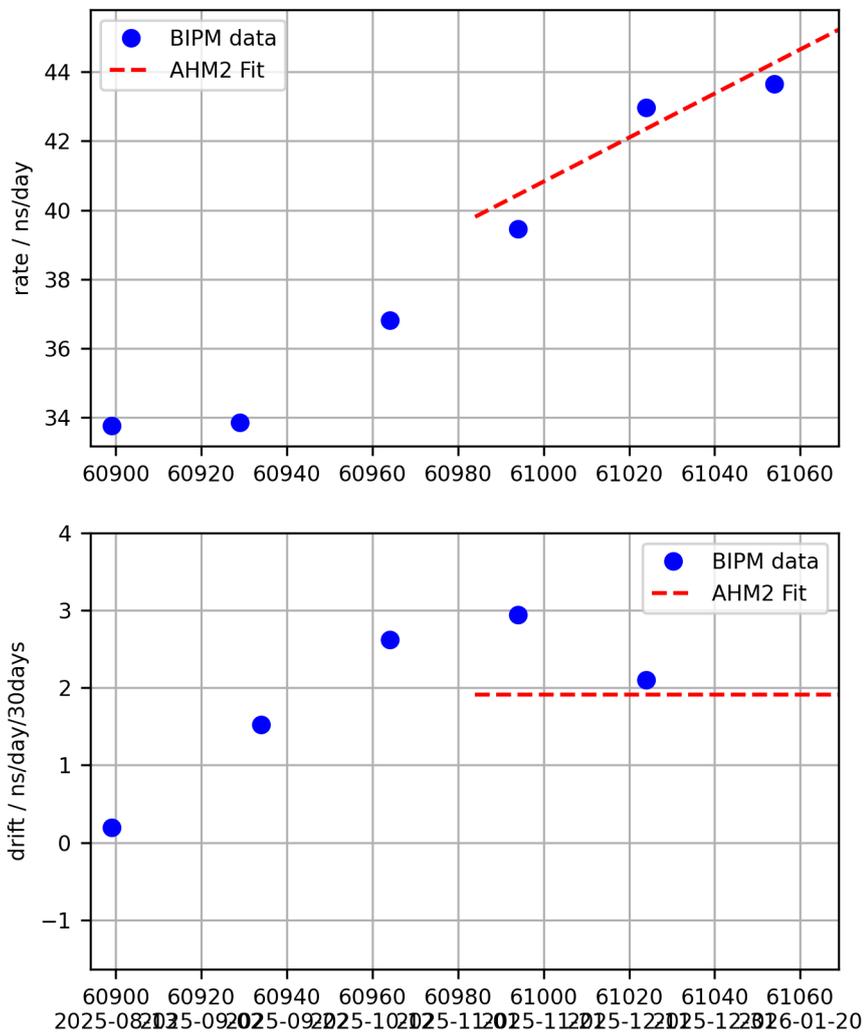Clock rates as reported by the BIPM in the monthly r-report.

UTC - AHM2 Fit

UTC-AHM2 (2026-02-12 / 61083)
x (ns)= 29228.227 + 45.217 *d + 0.0318 *d*d
y = -5.23349e-13 + -7.3696e-16 *d
d = (mjd-mjd0) with mjd0 = 61069

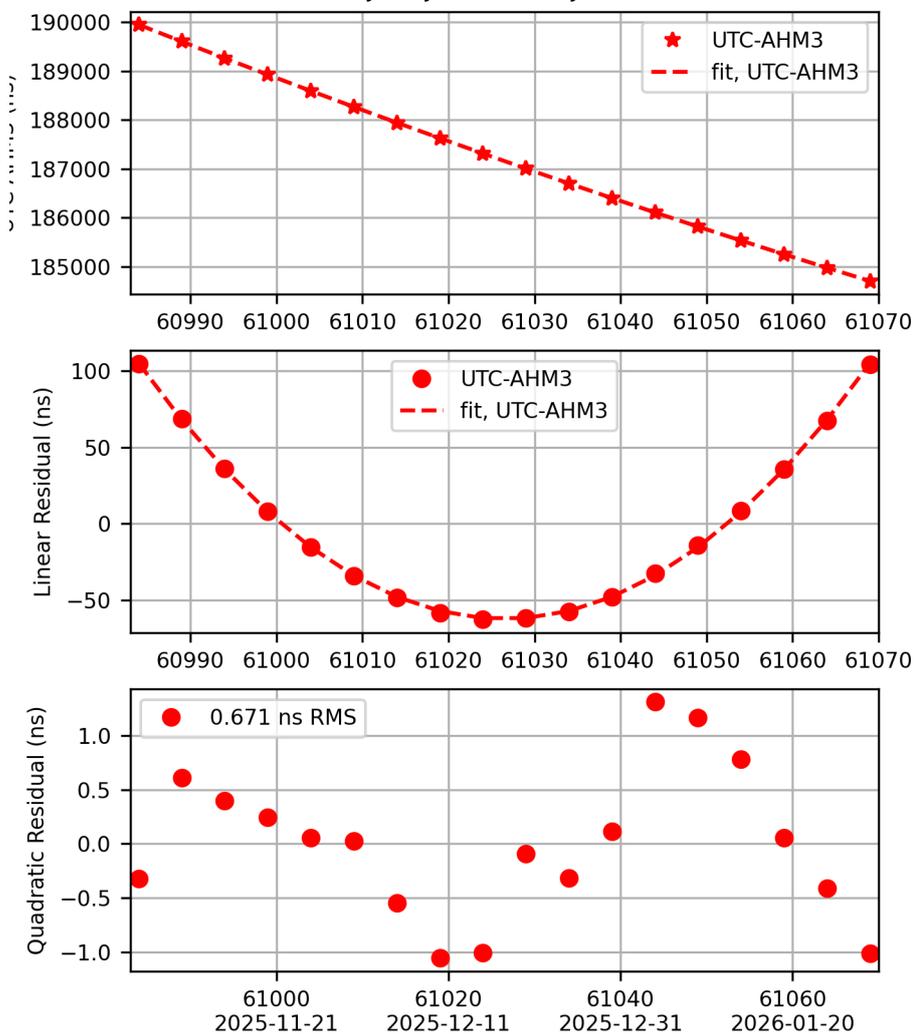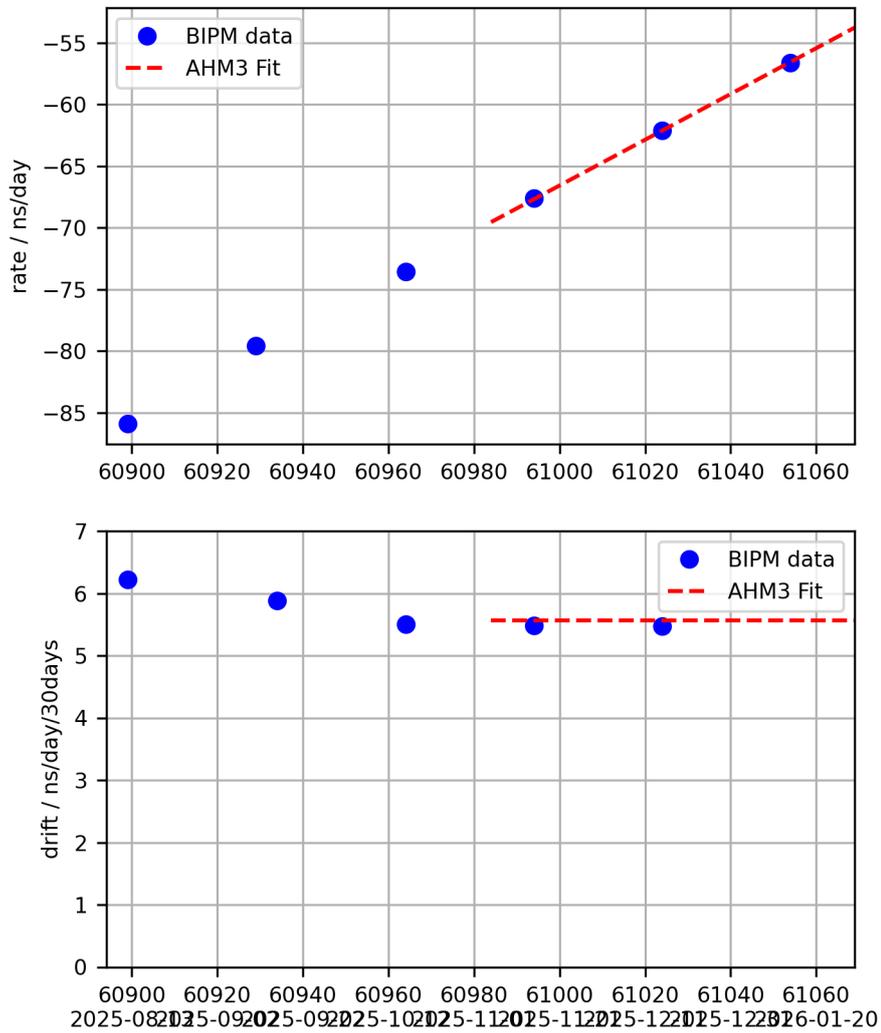## AHM2 Rate and Drift

UTC - AHM3 Fit

UTC-AHM3 (2026-02-12 / 61083)
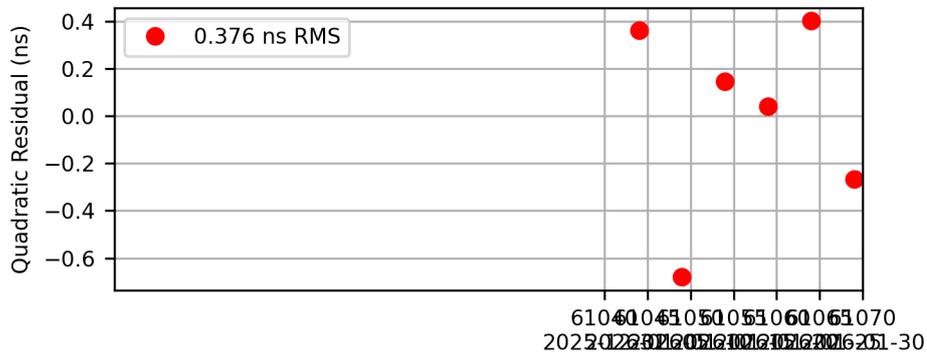x (ns)= 184706.893 + -53.775 *d + 0.0928 *d*d
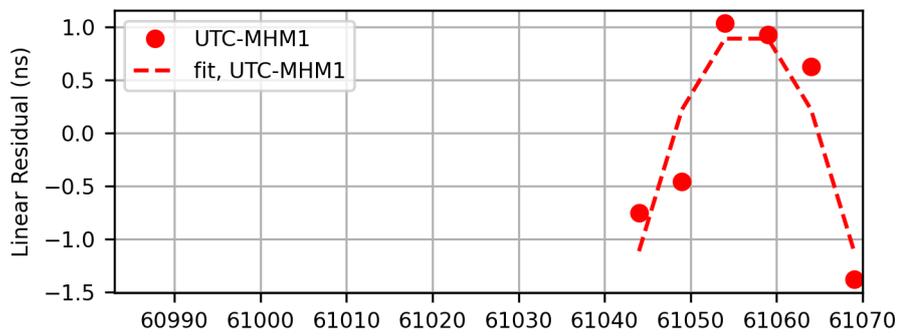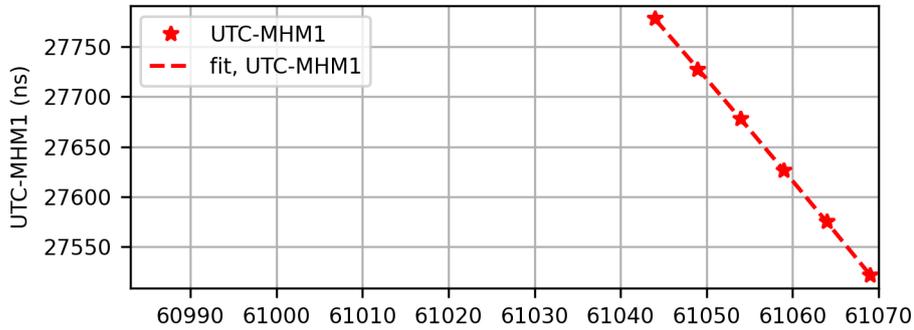y = 6.22401e-13 + -2.14788e-15 *d
d = (mjd-mjd0) with mjd0 = 61069

AHM3 Rate and Drift

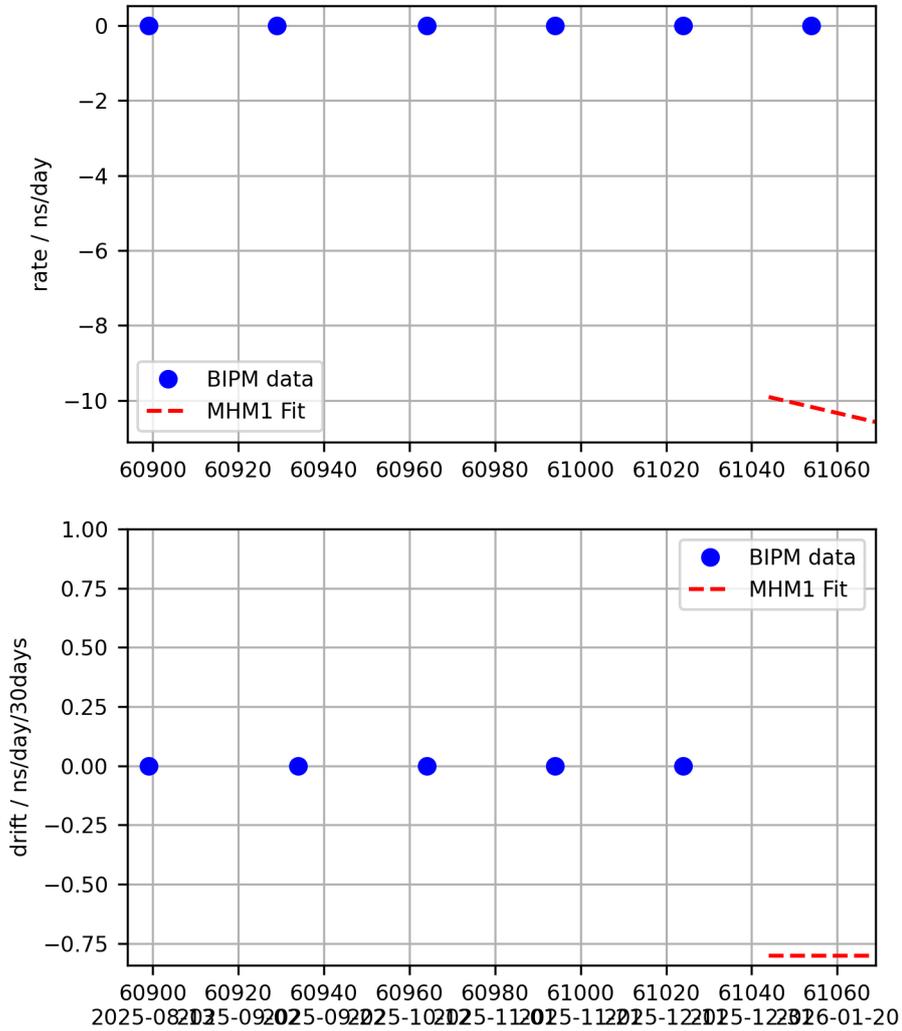## UTC - MHM1 Fit

UTC-MHM1 (2026-02-12 / 61083)
x (ns)= 27521.868 + -10.573 *d + -0.0134 *d*d
y = 1.2237e-13 + 3.09193e-16 *d
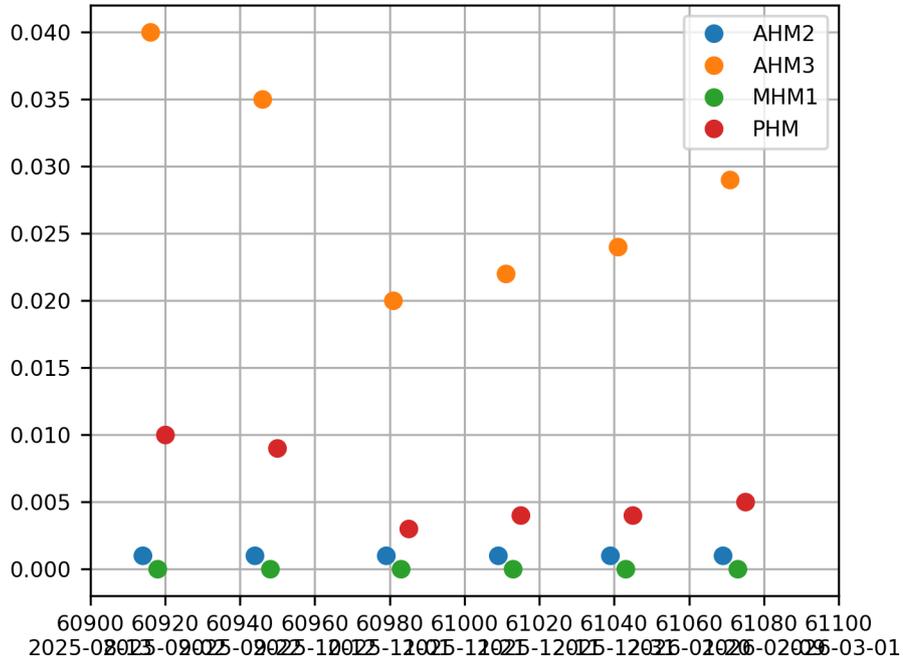d = (mjd-mjd0) with mjd0 = 61069
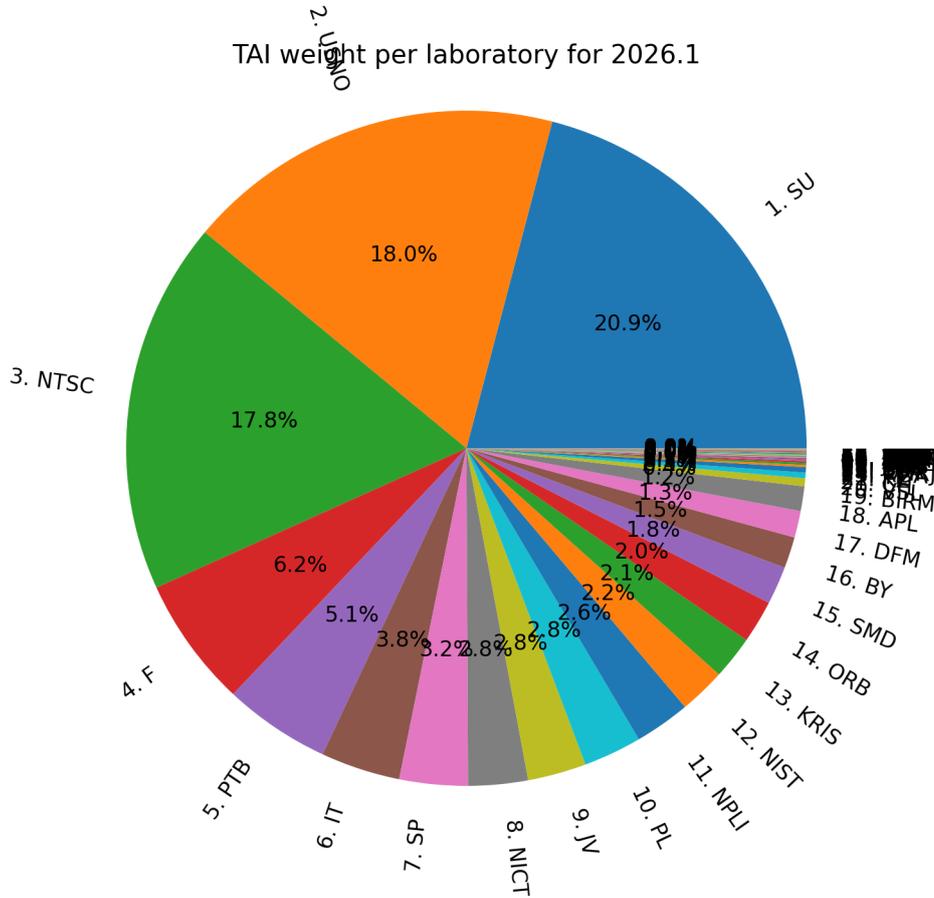
MHM1 Rate and Drift

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

TAI weight per laboratory for 2026.1

Weight-file for 2026.01
Number of clocks 419
Number of labs 68
Number of clock types 13
Sum of weights per lab 100.011, Sum of weights per clock type 100.011
Weight Clock Type
1.049 35 MICROSEMI 5071A HIGH PERFORMANCE TUBE.
59.999 40 UNSPECIFIED HYDROGEN MASER
32.097 41 HYDROGEN MASER
0.053 36 MICROSEMI 5071A LOW/STANDARD PERFORMANCE TUBE
0.023 18 MICROSEMI Cs 4000
0.000 22 OSCILLOQUARTZ OSA 3230B/3235B
0.036 32 OSCILLOQUARTZ OSA 3300-SHP
0.019 44 Other clocks
0.000 37 OSCILLOQUARTZ OSA 3300
0.021 42 Commercial Rubidium clock
0.012 38 Chengdu Spaceon Electronics Company TA1000
6.692 93 GROUND-STATE HYPERFINETRANSITION OF 87 Rb
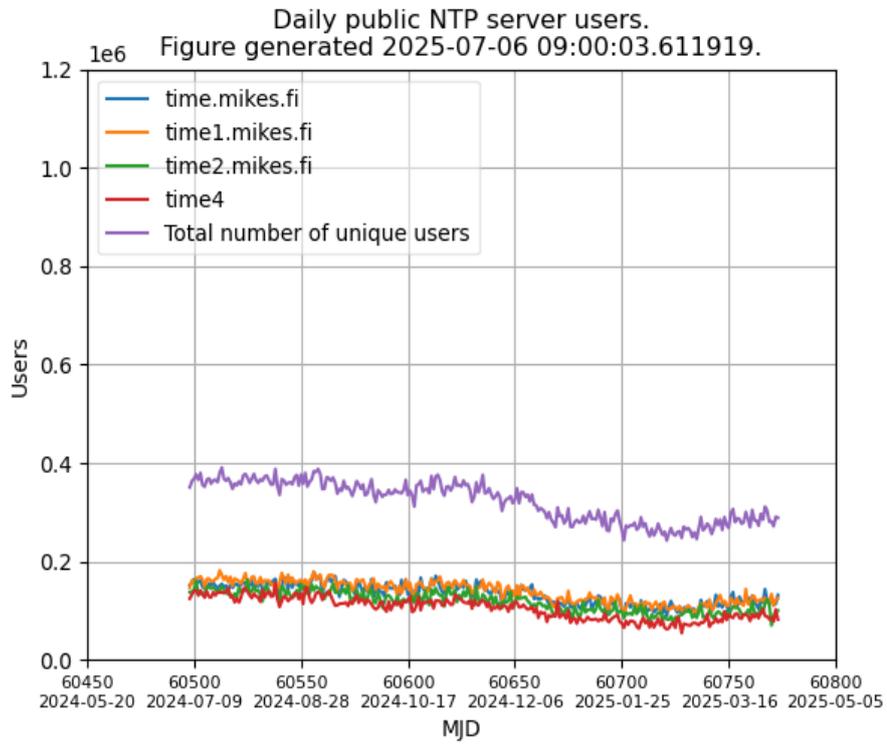0.010 92 GROUND-STATE HYPERFINE TRANSITION OF 133 Cs

Rank	Weight	Lab
1	20.937	SU
2	18.021	USNO
3	17.820	NTSC
4	6.211	F
5	5.077	PTB
6	3.774	IT
7	3.249	SP
8	2.832	NICT
9	2.781	JV
10	2.770	PL
11	2.643	NPLI
12	2.213	NIST
13	2.072	KRIS
14	2.041	ORB
15	1.817	SMD
16	1.497	BY
17	1.275	DFM
18	1.180	APL
19	0.380	BIRM
20	0.269	VSL
21	0.259	CH
22	0.103	KZ
23	0.100	TL
24	0.079	ROA
25	0.073	ONRJ
26	0.067	ESA
27	0.050	BEV
28	0.049	SG
29	0.049	TP
30	0.046	SCL
31	0.041	JATC
32	0.035	MIKE
33	0.027	MSL
34	0.027	NPL
35	0.026	ZA
36	0.023	BIM
37	0.016	NIMT
38	0.015	IMBH
39	0.013	HKO
40	0.011	NAO
41	0.010	INPL

NTP Usage Statistics

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

Daily public NTP server users.
Figure generated 2025-07-06 09:00:03.611919.

End of Bulletin.