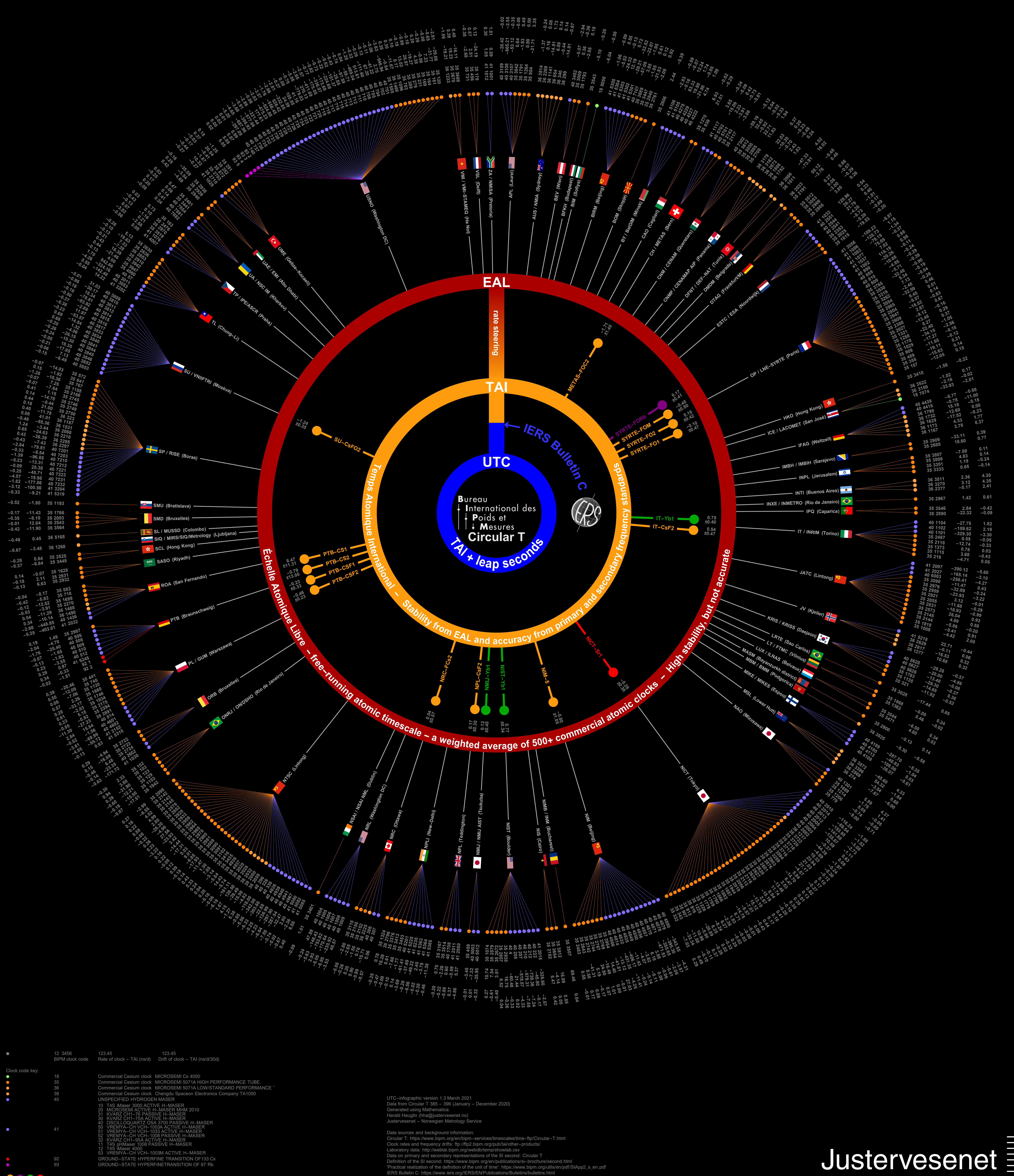


International atomic timescales

2020



12 3456
BIPM clock code

123 45
Rate of clock - TAI (ns/d)

123 45
Drift of clock - TAI (ns/d/30d)

Clock code key:

- 18 Commercial Cesium clock MICROSEMI Cs 4000
- 35 Commercial Cesium clock MICROSEMI 5071A HIGH PERFORMANCE TUBE
- 36 Commercial Cesium clock MICROSEMI 5071A LOW STANDARD PERFORMANCE
- 38 Commercial Cesium clock Chengdu Spaceon Electronics Company TA1000
- 40 UNSPECIFIED HYDROGEN MASER
- 10 TIS Master 3000 ACTIVE H-MASER
- 11 MICROSEMI ACTIVE H-MASER MIM 2010
- 31 KVARZ CH1-70 PASSIVE H-MASER
- 32 KVARZ CH1-75A ACTIVE H-MASER
- 40 OSCILLOQUARTZ OSA 3700 PASSIVE H-MASER
- 51 VREMVA-CH VCH-1003A ACTIVE H-MASER
- 52 VREMVA-CH VCH-1008 PASSIVE H-MASER
- 32 KVARZ CH1-95A ACTIVE H-MASER
- 11 TIS Master 1008 PASSIVE H-MASER
- 12 TIS Master 4000
- 53 VREMVA-CH VCH-1001M ACTIVE H-MASER
- 92 GROUND-STATE HYPERFINE TRANSITION OF ¹³³Cs
- 93 GROUND-STATE HYPERFINE TRANSITION OF ⁸⁷Rb

UTC-infographic version 1.3 March 2021
Data from Circular T 355 - 366 (January - December 2020)
Generated using Mathematica.
Harald Hauglin (pha@justervesenet.no)
Justervesenet - Norwegian Metrology Service

Data sources and background information:
Circular T: <https://www.bipm.org/en/bipm-services/imescales/time-ftp/circular-t.html>
Clock rates and frequency drifts: <ftp://ftp2.bipm.org/pub/ati/other-product/>
Laboratory data: <http://webat.bipm.org/webattemp/showtab.csv>
Data on primary and secondary representations of the SI second: Circular T
Definition of the SI second: <https://www.bipm.org/en/publications/si-brochure/second.html>
Practical realization of the definition of the unit of time: https://www.bipm.org/ati/en/pdf/SIApp2_s_en.pdf
IERS Bulletin C: <https://www.iers.org/iers/en/Publications/Bulletins/bulletins.html>

Primary and secondary frequency standards
Relative frequency offset +/- standard uncertainty in units of 10⁻¹⁵

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