

Contributions of the Optical Lattice Clock NICT-Sr1 to TAI Calibration and UTC(NICT) steering

Our efforts with the optical lattice clock NICT-Sr1 are now focused on contribution to both the international and the local timescale. Since 2018, NICT-Sr1 has been recognized as a secondary frequency standard and contributed to TAI calibration. Since August 2021 it serves as a reference for the generation of UTC(NICT), which now deviates from UTC by only few nanoseconds.

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Track Classification: SI definition, Clocks and Time Scales