Time and Frequency

Data copy established on 17 June 2025

Ukraine, NSC IM (National Scientific Centre "Institute of Metrology")

No	NDETU / DETU	Number of CMCs	KCDB CMC ID	Quantity	Instrument or Artifact	Method of Measurement	Parameters	Measurand	Uncertainty	Comments	Approval date	NMI Service Identifier
1	**NDETU TF-01-2020**	30	EURAMET-TF-UA-00000OU9-1	Frequency	Local frequency standard	Phase comparator	Averaging time : 1 s Relative frequency difference : < 1.0E-10	5.0 MHz	1.0E-12 Hz/Hz (Relative)	Frequency instability measurement	2013-02-21	NSC IM/8
2			EURAMET-TF-UA-00000OUA-1	Frequency	Local frequency standard	Phase comparator	Averaging time : 1 s Relative frequency difference : < 1.0E-10	100.0 MHz	5.0E-13 Hz/Hz (Relative)	Frequency instability measurement	2013-02-21	NSC IM/9
3			EURAMET-TF-UA-00000OUB-1	Frequency	Local frequency standard	Phase comparator	Averaging time : 100 s Relative frequency difference : < 1.0E-10	5.0 MHz	5.0E-14 Hz/Hz (Relative)	Frequency instability measurement	2013-02-21	NSC IM/10
4			EURAMET-TF-UA-00000OUC-1	Frequency	Local frequency standard	Phase comparator	Averaging time : 100 s Relative frequency difference : < 1.0E-10	100.0 MHz	2.0E-14 Hz/Hz (Relative)	Frequency instability measurement	2013-02-21	NSC IM/11
5			EURAMET-TF-UA-00000OUD-1	Frequency	General frequency source	Direct frequency measurement	Averaging time : > 1 h	[10000.0 , 1.0E8] Hz	3.0E-11 Hz/Hz (Relative)		2013-02-21	NSC IM/12
6			EURAMET-TF-UA-00000OUE-1	Frequency	Remote frequency standard	GPS common view	Averaging time : > 1 d	1.0 Hz	2.0E-13 Hz/Hz (Relative)	1 Hz measurand level or range means 1 pps clock signal	2013-02-21	NSC IM/13
7			EURAMET-TF-UA-00000OUF-1	Frequency	Frequency counter	Direct frequency measurement	Averaging time : 1000 s Signal amplitude : > 1 V	[10000.0 , 1.0E8] Hz	1.0E-13 Hz/Hz (Relative)		2013-02-21	NSC IM/14
8			EURAMET-TF-UA-00000OUG-1	Frequency	Local frequency standard	Phase time measurement	Averaging time : 1 d	10.0 MHz	2.0E-14 Hz/Hz (Relative)		2013-02-21	NSC IM/20
9			EURAMET-TF-UA-00000OUH-1	Frequency	Local frequency standard	Phase time measurement	Averaging time : 1000 s	10.0 MHz	1.5E-13 Hz/Hz (Relative)		2013-02-21	NSC IM/21
10			EURAMET-TF-UA-00000OUI-1	Frequency	Local frequency standard	Phase time measurement	Averaging time : 1 d	100.0 MHz	3.0E-14 Hz/Hz (Relative)		2013-02-21	NSC IM/22
11			EURAMET-TF-UA-00000OUJ-1	Frequency	Local frequency standard	Phase time measurement	Averaging time : 1000 s	100.0 MHz	3.0E-13 Hz/Hz (Relative)		2013-02-21	NSC IM/23
12			EURAMET-TF-UA-00000OUK-1	Frequency	Local frequency standard	Phase comparator	Averaging time : 1 s Relative frequency difference : < 1.0E-10	10.0 MHz	1.0E-12 Hz/Hz (Relative)	Frequency instability measurement	2013-02-21	NSC IM/24
13			EURAMET-TF-UA-00000OUL-1	Frequency	Local frequency standard	Phase comparator	Averaging time : 100 s Relative frequency difference : < 1.0E-10	10.0 MHz	5.0E-14 Hz/Hz (Relative)	Frequency instability measurement	2013-02-21	NSC IM/25
14			EURAMET-TF-UA-00000OUM-1	Frequency	Local frequency standard	Phase comparator	Averaging time : 10000 s Relative frequency difference : < 1.0E-10	5.0 MHz	1.0E-14 Hz/Hz (Relative)	Frequency instability measurement	2013-02-21	NSC IM/26
15			EURAMET-TF-UA-00000OUN-1	Frequency	Local frequency standard	Phase comparator	Averaging time : 10000 s Relative frequency difference : < 1.0E-10	10.0 MHz	1.0E-14 Hz/Hz (Relative)	Frequency instability measurement	2013-02-21	NSC IM/27
16			EURAMET-TF-UA-00000OUO-1	Frequency	Local frequency standard	Phase comparator	Averaging time : 10000 s Relative frequency difference : < 1.0E-10	100.0 MHz	1.0E-14 Hz/Hz (Relative)	Frequency instability measurement	2013-02-21	NSC IM/28
17			EURAMET-TF-UA-00000OUP-1	Frequency	General frequency source	Direct frequency measurement	Averaging time : > 1000 s	[2.0E9 , 3.75E10] Hz	2.0E-9 Hz/Hz (Relative)		2013-02-21	NSC IM/29

18	EURAMET-TF-UA-00000OUQ-1	Frequency	General frequency source	Direct frequency measurement	Averaging time : > 1000 s	[1.0E10 , 7.83E10] Hz	1.0E-8 Hz/Hz (Relative)		2013-02-21	NSC IM/30
19	EURAMET-TF-UA-00000OUR-1	Frequency	Local frequency standard	Phase time measurement	Averaging time : 1 d	5.0 MHz	2.0E-14 Hz/Hz (Relative)		2013-02-21	NSC IM/6
20	EURAMET-TF-UA-00000OUS-1	Frequency	Local frequency standard	Phase time measurement	Averaging time : 1000 s	5.0 MHz	2.0E-13 Hz/Hz (Relative)		2013-02-21	NSC IM/7
21	EURAMET-TF-UA-00000OUT-1	Time interval	Period source	Time interval meter	Pulse amplitude : > 1 V Slew rate : > or equal 0.5 V/ns Gate rate : > 1 s	[1.0E-8 , 1.0] s	1.0E-10 s (Absolute)		2013-02-21	NSC IM/15
22	EURAMET-TF-UA-00000OUU-1	Time interval	Time difference source	Double channel time interval meter	Pulse amplitude : > 1 V Slew rate : > or equal 0.5 V/ns	[1.0E-8 , 1.0] s	2.0 ns (Absolute)		2013-02-21	NSC IM/16
23	EURAMET-TF-UA-00000OUV-1	Time interval	Pulse width meter	Time interval meter	Pulse amplitude : > 1 V Slew rate : > or equal 0.5 V/ns	[1.0E-8 , 1.0] s	2.0 ns (Absolute)		2013-02-21	NSC IM/17
24	EURAMET-TF-UA-00000OUW-1	Time scale difference	Local clock vs UTC(NSCIM)	Time interval measurement	Pulse amplitude : > 1 V Averaging time : 100 s	[-1.0 , 1.0] s	2.0 ns (Absolute)	Fractional part of modulo 1 second difference, integer part can be provided also	2013-02-21	NSC IM/1
25	EURAMET-TF-UA-00000OUX-1	Time scale difference	Remote clock vs UTC(NSCIM)	GPS multi-channel common view	Averaging time : 1 d	[-1.0 , 1.0] s	15.0 ns (Absolute)	Fractional part of modulo 1 second difference, integer part can be provided also	2013-02-21	NSC IM/3
26	EURAMET-TF-UA-00000OUY-1	Time scale difference	Remote clock vs UTC(NSCIM)	Portable clock	Time of transportation : < 10 hours	[-1.0 , 1.0] s	10.0 ns (Absolute)	Fractional part of modulo 1 second difference, integer part can be provided also	2013-02-21	NSC IM/5
27	EURAMET-TF-UA-00000OUZ-1	Time scale difference	Local clock vs UTC	Time interval measurement	Pulse amplitude : > 1 V Prediction time : 20 d	[-1.0 , 1.0] s	48.0 ns (Absolute)	Fractional part of modulo 1 second difference, integer part can be provided also. Prediction time 20 days after last published in BIPM *Circular T*	2013-02-21	NSC IM/2
28	EURAMET-TF-UA-00000OV0-1	Time scale difference	Remote clock vs UTC	GPS multi-channel common view	Averaging time : 1 d Prediction time : 20 d	[-1.0 , 1.0] s	50.0 ns (Absolute)	Fractional part of modulo 1 second difference, integer part can be provided also. Prediction time 20 days after last published in BIPM *Circular T*	2013-02-21	NSC IM/4
29	EURAMET-TF-UA-00000OV1-1	Time scale difference	Local clock vs UTC	Time interval measurement, post processed	Pulse amplitude : > 1 V	[-1.0 , 1.0] s	44.0 ns (Absolute)	Fractional part of modulo 1 second difference, integer part can be provided also	2013-02-21	NSC IM/18

30			EURAMET-TF-UA-00000OV2-1	Time scale difference	Remote clock vs UTC	GPS multi-channel common view, post processed	Averaging time : 1 d	[-1.0 , 1.0] s	46.0 ns (Absolute)	Fractional part of modulo 1 second difference, integer part can be provided also	2013-02-21	NSC IM/19