

Calibrations between NIST and OP

d are differential time corrections to be added to [*UTC*(NIST) – *UTC*(OP)],
and *u*(*d*) are estimated uncertainties for the periods of comparisons.

Date	<i>d</i> /ns	<i>u</i> (<i>d</i>)/ns	Reference	Note
July 1983	0.0	2.0	[1]	
January 1985	–7.0	13.0	[2]	(1)
September 1986	0.7	2.0	Metrologia, 24	(2)
October 1986	–1.4	2.0	Metrologia, 24	(2)
January 1988	–3.8	3.0	[3]	(2)
April 1988	0.6	3.0	[4]	(2)
March 1994	2.6	1.5	BIPM Report-1994/03	(2)
March 1995	–3.7	1.0	[5]	(2)
May 1996	–0.7	1.5	[6]	(2)
May 2002	–5.0	3.0	BIPM Report-2002/02	(2)
July 2003	–5.6	1.9	[7]	(2)
December 2003	–4.6	3.0	BIPM Report-2004/06	(2)
December 2005	–8.7	3.0	BIPM Report-2008/04	(2)

The uncertainties given in this table are conservative. They are mainly driven by the uncertainty due to the ‘round-trip’ reproducibility at the OP.

References

- [1] D. Allan, D. Davis, M.A. Weiss, Personal communication, 1983.
- [2] J. Buisson, Personal communication, 1985.
- [3] BIPM Calibration Certificate of 19 January 1988.
- [4] BIPM Letter of 15 June 1988, BG/9G.69.
- [5] M.A. Weiss, "Calibration of OP Receiver AOA51 Against NIST Receiver NBS10" March 1995.
- [6] M.A. Weiss, "Calibration of OP Receiver AOA51 Against NIST Receiver NBS10" March 1996.
- [7] M.A. Weiss, "Calibration of OP Receiver AOA51 Against NIST Receiver NBS10" July 2003.

Notes

- (1) NBS03 receiver at NIST
- (2) NBS10 receiver at NIST