

Table 7. Mean fractional deviation of the TAI scale interval from that of TT(File available on <http://www.bipm.org> under the name SITAI06.AR)

The fractional deviation d of the scale interval of TAI from that of TT (in practice the SI second on the geoid), and its relative uncertainty, are computed by the BIPM for all the intervals of computation of TAI, according to the method described in 'Azoubib J., Granveaud M., Guinot B., *Metrologia* 1977, **13**, pp. 87-93', using all available measurements from the most accurate primary frequency standards (PFS) IT-CSF1, NICT-O1, NIST-F1, NMIJ-F1, NPL-CSF1, PTB-CS1, PTB-CS2, PTB-CSF1, SYRTE-FO1, SYRTE-FO2, SYRTE-FOM and SYRTE-JPO consistently corrected for the black-body radiation shift.

In this computation, for the PFS evaluations carried out after Jan. 2005, the uncertainty of the link to TAI has been computed using the standard uncertainty of [UTC-UTC(k)], following the recommendation of the CCTF working group on PFS. The model for the instability of EAL has been expressed as the quadratic sum of three components: a white frequency noise $2.0 \times 10^{-15} / \sqrt{\tau}$, a flicker frequency noise 0.4×10^{-15} and a random walk frequency noise $1.0 \times 10^{-16} \times \sqrt{\tau}$, with τ in days. The relation between EAL and TAI is given in Table 5.

Month	Interval	$d/10^{-15}$	uncertainty/ 10^{-15}
Jan. 2004	53004-53034	+8.5	0.8
Feb. 2004	53034-53064	+6.4	0.8
Mar. 2004	53064-53094	+5.7	0.9
Apr. 2004	53094-53124	+4.6	0.7
May 2004	53124-53154	+5.3	0.6
Jun. 2004	53154-53184	+5.4	0.9
Jul. 2004	53184-53214	+4.0	1.0
Aug. 2004	53214-53244	+3.3	1.1
Sep. 2004	53244-53274	+3.4	1.2
Oct. 2004	53274-53309	+3.6	1.1
Nov. 2004	53309-53339	+3.9	0.8
Dec. 2004	53339-53369	+4.6	0.9
Jan. 2005	53369-53399	+4.8	0.5
Feb. 2005	53399-53429	+5.9	0.9
Mar. 2005	53429-53459	+5.9	1.1
Apr. 2005	53459-53489	+6.1	1.0
May 2005	53489-53519	+6.5	0.8
Jun. 2005	53519-53549	+6.4	0.7
Jul. 2005	53549-53579	+6.1	0.7
Aug. 2005	53579-53609	+6.0	0.8
Sep. 2005	53609-53639	+5.1	0.8
Oct. 2005	53639-53674	+5.0	0.5
Nov. 2005	53674-53704	+4.5	1.0
Dec. 2005	53704-53734	+4.1	0.9
Jan. 2006	53734-53764	+3.4	0.6
Feb. 2006	53764-53794	+2.7	0.5
Mar. 2006	53794-53824	+2.6	0.6
Apr. 2006	53824-53854	+2.6	1.0
May 2006	53854-53884	+2.6	1.1
Jun. 2006	53884-53914	+2.8	1.1
Jul. 2006	53914-53944	+3.2	0.8
Aug. 2006	53944-53974	+2.9	1.0
Sep. 2006	53974-54004	+2.9	1.0
Oct. 2006	54004-54039	+2.8	0.6
Nov. 2006	54039-54069	+1.6	0.5
Dec. 2006	54069-54099	+1.3	0.5