

Table 7. Mean fractional deviation of the TAI scale interval from that of TT(File available at <ftp://62.161.69.5/pub/tai/scale/sitai11.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, KRISS-1, NICT-CSF1, NIST-F1, NMIJ-F1, NPL-CSF1, NPL-CSF2, PTB-CS1, PTB-CS2, PTB-CSF1, PTB-CSF2, SYRTE-FO1, SYRTE-FO2, SYRTE-FOM and SYRTE-JPO, consistently corrected for the black-body radiation shift.

In this computation, 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 $1.7 \times 10^{-15} / \sqrt{\tau}$, a flicker frequency noise 0.35×10^{-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.	2009 54829-54859	+5.5	0.3
Feb.	2009 54859-54889	+5.2	0.4
Mar.	2009 54889-54919	+4.7	0.4
Apr.	2009 54919-54949	+5.2	0.4
May	2009 54949-54979	+4.9	0.4
Jun.	2009 54979-55009	+5.3	0.6
Jul.	2009 55009-55039	+6.1	0.6
Aug.	2009 55039-55074	+5.2	0.4
Sep.	2009 55074-55104	+5.0	0.3
Oct.	2009 55104-55134	+3.8	0.3
Nov.	2009 55134-55164	+3.6	0.3
Dec.	2009 55164-55194	+4.3	0.4
Jan.	2010 55194-55224	+4.7	0.3
Feb.	2010 55224-55254	+4.5	0.4
Mar.	2010 55254-55284	+4.8	0.4
Apr.	2010 55284-55314	+5.3	0.4
May	2010 55314-55344	+5.6	0.4
Jun.	2010 55344-55374	+6.6	0.4
Jul.	2010 55374-55404	+5.7	0.4
Aug.	2010 55404-55439	+5.6	0.3
Sep.	2010 55439-55469	+6.7	0.4
Oct.	2010 55469-55499	+6.5	0.4
Nov.	2010 55499-55529	+6.7	0.5
Dec.	2010 55529-55559	+6.0	0.4
Jan.	2011 55559-55589	+6.5	0.4
Feb.	2011 55589-55619	+6.2	0.5
Mar.	2011 55619-55649	+5.8	0.3
Apr.	2011 55649-55679	+6.0	0.3
May	2011 55679-55709	+5.7	0.3
Jun.	2011 55709-55739	+6.2	0.3
Jul.	2011 55739-55769	+5.9	0.4
Aug.	2011 55769-55804	+5.4	0.3
Sep.	2011 55804-55834	+5.0	0.3
Oct.	2011 55834-55864	+4.6	0.4
Nov.	2011 55864-55894	+3.9	0.2
Dec.	2011 55894-55924	+2.9	0.3