

TABLE 7. MEAN FRACTIONAL DEVIATION OF THE TAI SCALE INTERVAL FROM THAT OF TT

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 13, 1977, pp. 87-93', using all available measurements from the most accurate primary frequency standards CRL-01, LPTF-F01, LPTF-JPO, NIST-7, NIST-F1, NRLM-4, PTB CS1, PTB CS2, PTB CS3, PTB CSF1 and SU MCsR 102, consistently corrected for the black-body radiation shift.

In this computation, a model for the instability of EAL is needed. Starting in 1998, it has been expressed as the quadratic sum of three components: a white frequency noise $6.0 \times 10^{-15} / \sqrt{\tau}$, a flicker frequency noise 0.6×10^{-15} and a random walk frequency noise $1.6 \times 10^{-16} \chi(\tau)$, with τ in days. The relation between EAL and TAI is given in Table XX.

Month	Interval	$d/10^{-15}$	uncertainty/ 10^{-15}
Jan. 1998	50809-50844	7.8	2.9
Feb. 1998	50844-50869	5.9	3.0
Mar. 1998	50869-50899	4.4	2.9
Apr. 1998	50899-50929	2.7	2.9
May 1998	50929-50964	2.2	2.8
Jun. 1998	50964-50994	1.4	2.8
Jul. 1998	50994-51024	0.8	2.6
Aug. 1998	51024-51054	0.5	2.5
Sep. 1998	51054-51084	0.9	2.6
Oct. 1998	51084-51114	1.1	2.5
Nov. 1998	51114-51144	1.1	2.5
Dec. 1998	51144-51174	1.2	2.5
Jan. 1999	51174-51209	1.6	2.5
Feb. 1999	51209-51234	2.3	2.5
Mar. 1999	51234-51264	3.7	2.5
Apr. 1999	51264-51294	3.8	2.4
May 1999	51294-51329	3.9	2.3
Jun. 1999	51329-51359	4.4	2.3
Jul. 1999	51359-51389	4.8	2.2
Aug. 1999	51389-51419	5.3	2.4
Sep. 1999	51419-51449	5.4	2.3
Oct. 1999	51449-51479	5.6	2.2
Nov. 1999	51479-51509	5.0	2.0
Dec. 1999	51509-51539	4.6	1.9
Jan. 2000	51539-51574	4.5	2.0
Feb. 2000	51574-51599	4.8	1.7
Mar. 2000	51599-51634	5.6	1.9
Apr. 2000	51634-51664	6.4	2.1
May 2000	51664-51694	6.9	2.1
Jun. 2000	51694-51724	6.3	2.1
Jul. 2000	51724-51754	6.6	2.0
Aug. 2000	51754-51784	7.4	1.4
Sep. 2000	51784-51814	7.2	1.5
Oct. 2000	51814-51844	7.4	1.6
Nov. 2000	51844-51874	7.7	1.8
Dec. 2000	51874-51909	6.2	2.3