

### Independent local atomic time scales

Local atomic time scales are established by the time laboratories which contribute with the appropriate clock data to the BIPM. Starting on 1 January 1998, the differences between TAI and the atomic scale maintained by each laboratory have been available on the [Publications](#) page of the Time Department's FTP Server, including the relevant [notes](#). For each time laboratory 'lab' a separate file TAI-lab is provided; it contains the respective values of the differences [ $TAI - TA(lab)$ ] in nanoseconds, for the standard dates.

For dates from January 1982 to December 1992 and from January 1993 to December 1998, the differences between TAI and the atomic scale maintained by each laboratory are available on the [Scales](#) page of the Time Department's FTP server including relevant [notes](#). The values of [ $TAI - TA(lab)$ ] are given in yearly files. Note that the formats of the [ $TAI - TA(lab)$ ] files are different in the two intervals.

### Local representations of UTC

The time laboratories which submit data to the BIPM keep local representations of UTC. Starting on 1 January 1998, the computed differences between UTC and each local representation are available on the [Publications](#) page of the Time Department's FTP Server including the relevant [notes](#). For each time laboratory 'lab' a separate file UTC-lab is provided; it contains the values of the differences [ $UTC - UTC(lab)$ ] in nanoseconds, for the standard dates.

For dates from January 1990 to December 1992 and from January 1993 to December 1998, the computed differences between UTC and each local representation maintained by each laboratory are available on the [Scales](#) page of the Time Department's FTP server including the relevant [notes](#). The values of [ $UTC - UTC(lab)$ ] are given in yearly files. Note that the formats of the files [ $UTC - UTC(lab)$ ] are different in the two intervals.

Starting on MJD 56467 daily values of the differences [ $UTCr - UTC(lab)$ ] in nanoseconds are given in one file per laboratory. The results during the [UTCr Pilot Experiment](#) (February 2012-June 2013) are also available.