

Date and Time Utilities

The **Script Manager** contains four categories of routines that help with worldwide date and time conversion. The routines convert among various formats for dates and times, change long dates, modify and verify date and time records, and read and store geographic locations. For details on related time and date data structures, see *Macintosh Worldwide Development: Guide to System Software*.

Converting Worldwide Dates and Times

The **InitDateCache**, **String2Date**, and **String2Time** functions let you convert worldwide dates and times.

<u>InitDateCache</u>	Formats the date cache record (defined by the <u>DateCacheRecord</u> data type) for use by the <u>String2Date</u> and <u>String2Time</u> routines
<u>String2Date</u>	Expects the date at beginning of text and parses text for use in the date-time record (defined by the <u>LongDateRec</u> data type)
<u>String2Time</u>	Expects the time at beginning of text and parses text for use in the date-time record

Converting Long Dates

The **LongDate2Secs** and **LongSecs2Date** procedures allow you to convert dates between the **LongDateRec** format (an explicit year, month, day, and so forth) and the **LongDateTime** format (an 8-byte signed value, seconds since January 1, 1904).

<u>LongDate2Secs</u>	Converts the time specified in a long date record to a <u>LongDateTime</u> format
<u>LongSecs2Date</u>	Converts the date specified in a <u>LongDateTime</u> format to a long date record

Modifying and Verifying Date and Time Records

The **ToggleDate** and **ValidDate** functions allow you to change date and time records and check the validity of the resulting data structures.

<u>ToggleDate</u>	Modifies a <u>LongDateTime</u> parameter by toggling one of the corresponding fields of the long date record up or down or by setting it explicitly.
<u>ValidDate</u>	Checks the validity of a long date record

Reading and Storing Locations

The **ReadLocation** and **WriteLocation** procedures let you access, manipulate, and store the geographic location of the Macintosh and related time zone information.

<u>ReadLocation</u>	Accesses the stored geographic location of the Macintosh and the time zone information from the parameter RAM
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WriteLocation

Stores the geographic location of the Macintosh and the time zone information in parameter RAM