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Subject: Date and time library

Posted by [Kenneth Bowman](#) on Mon, 04 Dec 2006 17:45:17 GMT

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A long time ago I needed to do date and time calculations that I could be sure were exact to the second. So I wrote my own library that uses the JULDAY and CALDAT functions for date calculations, while I handled time (hours, minutes, and seconds) myself using integer arithmetic.

Over time I have added utilities to easily compute quantities like the next day, month, or year following a given time. It can also handle calculations with artificial calendars that lack leap days (as some climate models do).

There are also routines to read and write dates and times as strings in ISO 8601 format (<http://www.cl.cam.ac.uk/~mgk25/iso-time.html>).

If you are interested, the library, and some additional description can be found at

<http://idl.tamu.edu/downloads/time.php>

Ken Bowman

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