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Subject: Re: DAY OF YEAR

Posted by [thompson](#) on Mon, 25 Oct 1999 07:00:00 GMT

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Ben Tupper <tupper@seadas.bigelow.org> writes:

> Howdy,

> Haje Korth wrote:

>> Hi folks,

>> Sometimes RSI is driving me nuts with introducing new stuff and making  
>> old stuff obsolete.

>> Can anybody tell me with their new date/time format code, how to print  
>> the day of the year (doy). It should be something like:

>> a=julday(month,day,year,hour,min,sec)

>> print,a,format='(c(???????))'

>>

> You could calculate the DOY with the following.

> IDL> Today = JulDay(10,26,1999)

> IDL> BenchMark = JulDay(1,1,1999)

> IDL> print,Today-BenchMark

> 298

> Note that this DOY implies that Jan 1 is DOY 0... which is ok for somefolks but  
> not others. I can't think of the need for it, but sometimes the first DOY is  
> considered DOY 1. (Just when I was getting used to counting from Zero and  
> having only nine fingers!)

The \*OFFICIAL\* (:^)] definition of day-of-year, as used by NASA and as outlined  
in the ISO-8601 standard, begins with January 1st as DOY=001.

Bill Thompson

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