Subject: Re: Bug in IDL's TIMEGEN function
Posted by David Fanning on Fri, 24 Aug 2007 21:24:41 GMT
View Forum Message <> Reply to Message

Dave Wuertz writes:

> I found a bug in IDL's TIMEGEN function. It really nailed me good, as I
> was using the (erroneous) results from TIMEGEN to compute direct-access
> locations within database files.
>
> First off, I'm running IDL v6.4 on a 32-bit Linux-Intel box.
>
> TIMEGEN returns an incorrect sequence of julian dates when STEP_SIZE=-1,
> and UNITS="Months" when crossing year boundaries as demonstrated in
> the simple example below. Note the results *should* be monotonically
> decreasing.
>
> IDL> MyTimes = TIMEGEN(units="Months", step_size=-1,
> start=julday(1,15,2007), final=julday(10,15,2006))
> IDL> print, MyTimes - MyTimes(0)
> 0.0000000 -396.00000 -61.000000 -92.000000

Yeah, I'd say that was a bug. I'm using the 32-bit version of Windows.

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/