
Subject: Re: Bug in IDL's TIMEGEN function

Posted by [Dave Wuertz](#) on Mon, 27 Aug 2007 17:01:06 GMT

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chris_torrence@NOSPAMyahoo.com said the following on 8/24/2007 6:19 PM:

> Hi Dave,
>
> Good catch! This is indeed a bug. I've just fixed the code for the
> next IDL release.
>
> If you want, you can patch your copy of timegen. Go to your \$IDL_DIR/
> lib/timegen.pro.
> Around line 400, replace the following bad lines:
> monthArray = (monthArray MOD 12) + 1
> IF (step_size LT 0) THEN monthArray = (monthArray + 12) MOD 12
> With the following good lines:
> if (step_size ge 0) then begin
> monthArray = (monthArray mod 12) + 1
> endif else begin
> monthArray = (((monthArray mod 12) + 12) mod 12) + 1
> endelse
>
> Using this version, I get the following results:
> IDL> MyTimes = TIMEGEN(units="Months", step_size=-1, \$
> IDL> start=julday(1,15,2007), final=julday(10,15,2006))
> IDL> print, MyTimes - MyTimes(0)
> 0.00000000 -31.000000 -61.000000 -92.000000
>
> Hope this didn't cause you too many problems.
> Cheers,
>
> Chris Torrence
> ITT Visual Information Solutions
>

Thank you, Chris, for jumping on this and providing a patch so quickly!

Thanks also to David Fanning for testing the behavior on his platform.

-Dave Wuertz
