
Subject: Re: TIMEGEN problem, bug?

Posted by [David Fanning](#) on Sat, 15 Mar 2003 23:37:59 GMT

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Luciano (lucianor@sinectis.com.ar) writes:

```
> I tried the following:
>
> IDL> Jul1=JulDay(3,31,1998,23)
> IDL> dummy=TIMEGEN(40,START=Jul1,UNITS='Hours')
> IDL> caldat,dummy[39],month,day,year,hour
> IDL> print,year,month,day,hour
>    1998      4      1      14
>
> How adding 40 hours to 31/3,23h could end up in 1/4,14h??
> The problem seems to appear because TIMEGEN takes 30 as the first day, and not 31:
>
> IDL> caldat,dummy,month,day,year,hour
> IDL> print,day[0:4]
>    30     31     31     31     31
>
> Of course that if it starts at day 30/3 it will be correct to end at day 1/4
> But I'm telling it to start at day 31!!
>
> Any help??
>
> (I'm using IDL 5.4 on Windows XP)
```

I think it must be a problem with that version. I get this with IDL 5.6 and Windows 2000:

```
IDL> Jul1=JulDay(3,31,1998,23)
% Compiled module: JULDAY.
IDL> dummy=TIMEGEN(40,START=Jul1,UNITS='Hours')
% Compiled module: TIMEGEN.
% Compiled module: CALDAT.
IDL> caldat,dummy[39],month,day,year,hour
IDL> print,year,month,day,hour
    1998      4      2      14
IDL> caldat,dummy,month,day,year,hour
IDL> print,day[0:4]
    31      1      1      1      1
```

I get the same result you got in IDL 5.5.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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