
Subject: Re: JULDAY 5.4 not same as 5.3?

Posted by [Don Woodraska](#) on Fri, 02 Mar 2001 00:28:25 GMT

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I should have included this in the original post:

```
IDL> print,!version
{ sparc sunos unix 5.4 Sep 25 2000    64    64}
```

Thanks for your response Mark. I'll bet it must be a 64-bit-only bug.
Can anyone else verify this bug on another 64-bit machine?

Interestingly, if I don't pass the hour, minute, and second, then I get
the correct answer with version 5.4.

Thanks,
Don

Mark Hadfield wrote:

```
>> "Don Woodraska" <don.woodraska@lasp.colorado.edu> wrote in message
> news:3A9ED47E.F92EF914@lasp.colorado.edu...
>> Has anyone else noticed a bug in JULDAY that appeared in 5.4?
>> IDL> help,umm,udd,uyear,uhr,umin,usec
>> UMM      LONG    =      2
>> UDD      LONG    =     16
>> UYEAR    LONG    =    2001
>> UHR      ULONG   =      0
>> UMIN     ULONG   =      0
>> USEC     ULONG   =      0
>> IDL> in_jday = julday( umm, udd, uyear, uhr, umin, usec )
>> IDL> help,in_jday
>> IN_JDAY   DOUBLE  =  1.8140893e+08
>
> I get the right answer under 5.4 (win32 x86):
>
> IDL> help,umm,udd,uyear,uhr,umin,usec
> UMM LONG = 2
> UDD LONG = 16
> UYEAR LONG = 2001
> UHR LONG = 0
> UMIN LONG = 0
> USEC LONG = 0
> IDL> print, julday( umm, udd, uyear, uhr, umin, usec )
> 2451956.5
>
> ---
> Mark Hadfield
```

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