
Subject: Re: Problems with JULDAY and CALDAT
Posted by [John J. Boia](#) on Wed, 07 Apr 1999 07:00:00 GMT
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Wayne, thanks for the references. Will have a look.

I checked JULDAY just like your example and got different results from what you got!

```
IDL> print,julday(4,7,1999,0)
% Compiled module: JULDAY.
    2451276.0
IDL> print,julday(4,7,1999,12)
    2451276.5
IDL> print, !version
{ mipseb IRIX unix 5.0.2 Aug 19 1997}
```

Wayne Landsman wrote:

```
>
>> JULDAY seems to return Julian date values with an offset
>> of 0.5 from the accepted definition, when hours, minutes,
>> and seconds are passed in as arguments Integer julian
>> day numbers correspond to 12:00 noon UT.
>
> I'm not sure what you are referring to here -- I don't see any problems with
> JULDAY. JULDAY should return an integer value when the hour is 12:00 noon --
> which it does.
>
> IDL> print,julday(4,7,1999,0)
>    2451275.5
> IDL> print,julday(4,7,1999,12)
>    2451276.0
>
> --Wayne Landsman                      landsman@mpb.gsfc.nasa.gov
```

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