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Subject: Re: convert from Julian date to calendar date and vice verse

Posted by [k\\_ghreep](#) on Tue, 03 Jul 2012 12:35:12 GMT

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On Jul 3, 12:32 pm, Stefan <stefan.meing...@gmail.com> wrote:

> Am Montag, 2. Juli 2012 15:21:45 UTC+2 schrieb (unbekannt):

>

>> Dear all,

>

>> I have the following time units of "days since 1-1-1 00:00:0.0".

>> 17619336.      17619360.      17619384.      17619408.

>> 17619432.      17619456.      17619480.      17619504.

>> 17619528.      17619552.      17619576.      17619600.

>

>> I would like to convert them from Julian date to calendar date and

>> vice verse.

>> thanks in advance

>> Khaled

>

> you could use this:

>

> <http://idlastro.gsfc.nasa.gov/ftp/pro/astro/daycnv.pro>

>

> but be aware that your dates are not Julian dates since the zero-point is wrong. The ZP for the JD is

>

> 12:00 January 1, 4713 BC, Monday

>

> and you will have to convert to this before you perform the conversion.

Hi Stefan,

I had tested your code for the following Julian day 17619600.D using the following command

DAYCNV, 17628072.D, yr, mn, day, hr

I had got the following calendar date

43551      12      3      12.000000

please note that the time unit of "days since 1-1-1 00:00:0.0". how to calculate the year in calendar format?

Best wishes

Khaled

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Subject: Re: convert from Julian date to calendar date and vice verse

Posted by [k\\_ghreep](#) on Fri, 06 Jul 2012 17:56:33 GMT

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On Jul 4, 5:19 pm, wlandsman <wlands...@gmail.com> wrote:

> Stefan, Sorry I misinterpreted your post. You didn't say that daycnv.pro had the wrong zero point, but that numbers given by the OP were not Julian dates since they had the wrong zero point.

>

> Khaled, to convert your numbers to Julian day you need to add JULDAY(1,1,1) = 1721424 to all your dates. But are you sure that your numbers are not \*hours\* rather than days since 1-1-1? If it is days then they refer to a year far in the future, but if they are hours then they refer to the year 2012.

>

> --Wayne

>

>

>

>

>

>

>

> On Tuesday, July 3, 2012 7:15:44 PM UTC-4, wlandsman wrote:

>> My posts from a few hours ago don't seem to have shown up -- sorry if they appear twice

>

>> daycnv.pro does not have the wrong zero point. It converts to Gregorian (not Julian) calendar day, and JD 0.0 corresponds to November 24 4713 BC in the Gregorian calendar.

>

>> ( e.g.[http://www.hermetic.ch/cal\\_stud/jdn.htm#comp](http://www.hermetic.ch/cal_stud/jdn.htm#comp)). Cheers, --Wayne

Hi Stefan and Wladsman

Thanks a lot for your efforts. I have got some fact for my date.  
in fact all of the times are double values which represent the number  
of days or hours from an origin date. I have got a units attribute for  
the time variable that is considered the key to decoding the time  
values. For example, my date have time units of "days since 1-1-1  
00:00:0.0". With those units, an encoded value of 725738. would be the  
value for the calendar date 1988-01-01.  
I would like to convert my dates to readable times and vice versa. a  
readable times means a calendar date in a form say 2012-010-25.  
thanks in advance

Khaled

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Subject: Re: convert from Julian date to calendar date and vice verse  
Posted by [wlandsman](#) on Sun, 08 Jul 2012 16:27:42 GMT  
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```
daycnv,725738+julday(1,1,1),yr,mn,day & print,yr,mn,day
1988      1      1
```

On Friday, July 6, 2012 1:56:33 PM UTC-4, (unknown) wrote:

For example, my date have time units of "days since 1-1-1  
> 00:00:0.0". With those units, an encoded value of 725738. would be the  
> value for the calendar date 1988-01-01.  
> I would like to convert my dates to readable times and vice versa. a  
> readable times means a calendar date in a form say 2012-010-25.  
> thanks in advance  
>  
> Khaled

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