

---

Subject: help needed in timegen  
Posted by [gunvicsin11](#) on Wed, 28 Dec 2016 10:10:03 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi all,

I have given below what I have done.

```
print,julday(10,22,2014,14,00,32),format='(g)'
      2456953.083703704
```

```
mytimes=timegen(1,units='seconds',step_size=14,start=2456953 .083703704)
```

The idea is to get julian at this date/time  
10,22,2014,14,00,32 and

14 second after this, that is at 10,22,2014,14,00,46

I expect the result to be 2456953.083865741.

But If I do  
print, mytimes  
2456953.0

Please anybody let me know how to resolve this.

thanks

---

---

Subject: Re: help needed in timegen  
Posted by [Lajos Foldy](#) on Wed, 28 Dec 2016 11:37:35 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Wednesday, December 28, 2016 at 11:10:06 AM UTC+1, sid wrote:

> Hi all,

>

> I have given below what I have done.

>

```
> print,julday(10,22,2014,14,00,32),format='(g)'
>      2456953.083703704
```

>

```
> mytimes=timegen(1,units='seconds',step_size=14,start=2456953 .083703704)
```

>

>

> The idea is to get julian at this date/time

> 10,22,2014,14,00,32 and

>

> 14 second after this, that is at 10,22,2014,14,00,46  
>  
> I expect the result to be 2456953.083865741.  
>  
> But If I do  
> print, mytimes  
> 2456953.0  
>  
> Please anybody let me know how to resolve this.  
>  
> thanks

```
IDL> mytimes=timegen(2,units='seconds',step_size=14,start=2456953 .083703704d)
IDL> print, mytimes, format='(D20.10)'
2456953.0837037046
2456953.0838657417
```

regards,  
Lajos

---

---

Subject: Re: help needed in timegen  
Posted by [Jim Pendleton](#) on Wed, 28 Dec 2016 16:12:51 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Wednesday, December 28, 2016 at 4:37:36 AM UTC-7, fawltyl...@gmail.com wrote:

> On Wednesday, December 28, 2016 at 11:10:06 AM UTC+1, sid wrote:  
>> Hi all,  
>>  
>> I have given below what I have done.  
>>  
>> print,julday(10,22,2014,14,00,32),format='(g)'  
>> 2456953.083703704  
>>  
>> mytimes=timegen(1,units='seconds',step\_size=14,start=2456953 .083703704)  
>>  
>>  
>> The idea is to get julian at this date/time  
>> 10,22,2014,14,00,32 and  
>>  
>> 14 second after this, that is at 10,22,2014,14,00,46  
>>  
>> I expect the result to be 2456953.083865741.  
>>  
>> But If I do  
>> print, mytimes  
>> 2456953.0  
>>

```
>> Please anybody let me know how to resolve this.
>>
>> thanks
>
> IDL> mytimes=timegen(2,units='seconds',step_size=14,start=2456953.083703704d)
> IDL> print, mytimes, format='(D20.10)'
> 2456953.0837037046
> 2456953.0838657417
>
> regards,
> Lajos
```

If you have IDL 8.5 or later, the new "implied print" syntax helps you get around the default formatting of the standard PRINT behavior.

First option, simply type the variable name at the prompt.

```
IDL> mytimes
2456953.0837037046    2456953.0838657417
```

This is the same as using PRINT with the /IMPLIED keyword.

```
IDL> print, mytimes, /implied
2456953.0837037046    2456953.0838657417
```

The keyword can be unambiguously abbreviated to "/i":

```
IDL> print, mytimes, /i
2456953.0837037046    2456953.0838657417
```

There's less typing involved than with an explicit FORMAT string. (But also see the new C-style formatting in IDL 8.6.)

Jim P.

---

Subject: Re: help needed in timegen  
Posted by [gunvicsin11](#) on Thu, 29 Dec 2016 04:22:44 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Wednesday, December 28, 2016 at 9:42:54 PM UTC+5:30, Jim P wrote:  
> On Wednesday, December 28, 2016 at 4:37:36 AM UTC-7, fawltyl...@gmail.com wrote:  
>> On Wednesday, December 28, 2016 at 11:10:06 AM UTC+1, sid wrote:  
>>> Hi all,  
>>>  
>>> I have given below what I have done.  
>>>  
>>> print,julday(10,22,2014,14,00,32),format='(g)'

```

>>> 2456953.083703704
>>>
>>> mytimes=timegen(1,units='seconds',step_size=14,start=2456953 .083703704)
>>>
>>>
>>> The idea is to get julian at this date/time
>>> 10,22,2014,14,00,32 and
>>>
>>> 14 second after this, that is at 10,22,2014,14,00,46
>>>
>>> I expect the result to be 2456953.083865741.
>>>
>>> But If I do
>>> print, mytimes
>>> 2456953.0
>>>
>>> Please anybody let me know how to resolve this.
>>>
>>> thanks
>>
>> IDL> mytimes=timegen(2,units='seconds',step_size=14,start=2456953 .083703704d)
>> IDL> print, mytimes, format='(D20.10)'
>> 2456953.0837037046
>> 2456953.0838657417
>>
>> regards,
>> Lajos
>
> If you have IDL 8.5 or later, the new "implied print" syntax helps you get around the default
formatting of the standard PRINT behavior.
>
> First option, simply type the variable name at the prompt.
>
> IDL> mytimes
> 2456953.0837037046 2456953.0838657417
>
> This is the same as using PRINT with the /IMPLIED keyword.
>
> IDL> print, mytimes, /implied
> 2456953.0837037046 2456953.0838657417
>
> The keyword can be unambiguously abbreviated to "/i":
>
> IDL> print, mytimes, /i
> 2456953.0837037046 2456953.0838657417
>
> There's less typing involved than with an explicit FORMAT string. (But also see the new
C-style formatting in IDL 8.6.)

```

>  
> Jim P.

But if I need to get the values in the variable itself without printing, then what should I do,

Because I am going to use the variable in a loop, I want the variable mytimes to have value with 2456953.083703704 format.

---

Subject: Re: help needed in timegen  
Posted by [Dick Jackson](#) on Fri, 30 Dec 2016 01:33:26 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Wednesday, 28 December 2016 20:22:46 UTC-8, gunvi...@gmail.com wrote:  
> On Wednesday, December 28, 2016 at 9:42:54 PM UTC+5:30, Jim P wrote:  
>> On Wednesday, December 28, 2016 at 4:37:36 AM UTC-7, fawltl...@gmail.com wrote:  
>>> On Wednesday, December 28, 2016 at 11:10:06 AM UTC+1, sid wrote:  
>>>> Hi all,  
>>>>  
>>>> I have given below what I have done.  
>>>>  
>>>> print,julday(10,22,2014,14,00,32),format='(g)'  
>>>> 2456953.083703704  
>>>>  
>>>> mytimes=timegen(1,units='seconds',step\_size=14,start=2456953 .083703704)  
>>>>  
>>>>  
>>>> The idea is to get julian at this date/time  
>>>> 10,22,2014,14,00,32 and  
>>>>  
>>>> 14 second after this, that is at 10,22,2014,14,00,46  
>>>>  
>>>> I expect the result to be 2456953.083865741.  
>>>>  
>>>> But If I do  
>>>> print, mytimes  
>>>> 2456953.0  
>>>>  
>>>> Please anybody let me know how to resolve this.  
>>>>  
>>>> thanks  
>>>  
>>> IDL> mytimes=timegen(2,units='seconds',step\_size=14,start=2456953 .083703704d)  
>>> IDL> print, mytimes, format='(D20.10)'  
>>> 2456953.0837037046  
>>> 2456953.0838657417  
>>>  
>>> regards,

```

>>> Lajos
>>
>> If you have IDL 8.5 or later, the new "implied print" syntax helps you get around the default
formatting of the standard PRINT behavior.
>>
>> First option, simply type the variable name at the prompt.
>>
>> IDL> mytimes
>>      2456953.0837037046      2456953.0838657417
>>
>> This is the same as using PRINT with the /IMPLIED keyword.
>>
>> IDL> print, mytimes, /implied
>>      2456953.0837037046      2456953.0838657417
>>
>> The keyword can be unambiguously abbreviated to "/i":
>>
>> IDL> print, mytimes, /i
>>      2456953.0837037046      2456953.0838657417
>>
>> There's less typing involved than with an explicit FORMAT string. (But also see the new
C-style formatting in IDL 8.6.)
>>
>> Jim P.
>
> But if I need to get the values in the variable itself without printing, then what should I do,
>
> Because I am going to use the variable in a loop, I want the variable mytimes to have value with
2456953.083703704 format.

```

The result from TIMEGEN does indeed have the precise values you want, it's just that if you 'print, mytimes' it is only \*displaying\* to eight digits of precision. Does that clear it up for you?

Cheers,  
-Dick

Dick Jackson Software Consulting Inc.  
Victoria, BC, Canada --- <http://www.d-jackson.com>

---

Subject: Re: help needed in timegen  
Posted by [gunvicsin11](#) on Fri, 30 Dec 2016 04:24:17 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Friday, December 30, 2016 at 7:03:28 AM UTC+5:30, Dick Jackson wrote:  
> On Wednesday, 28 December 2016 20:22:46 UTC-8, gunvi...@gmail.com wrote:  
>> On Wednesday, December 28, 2016 at 9:42:54 PM UTC+5:30, Jim P wrote:  
>>> On Wednesday, December 28, 2016 at 4:37:36 AM UTC-7, fawltyl...@gmail.com wrote:

```

>>>> On Wednesday, December 28, 2016 at 11:10:06 AM UTC+1, sid wrote:
>>>> > Hi all,
>>>> >
>>>> > I have given below what I have done.
>>>> >
>>>> > print,julday(10,22,2014,14,00,32),format='(g)'
>>>> > 2456953.083703704
>>>> >
>>>> > mytimes=timegen(1,units='seconds',step_size=14,start=2456953 .083703704)
>>>> >
>>>> >
>>>> > The idea is to get julian at this date/time
>>>> > 10,22,2014,14,00,32 and
>>>> >
>>>> > 14 second after this, that is at 10,22,2014,14,00,46
>>>> >
>>>> > I expect the result to be 2456953.083865741.
>>>> >
>>>> > But If I do
>>>> > print, mytimes
>>>> > 2456953.0
>>>> >
>>>> > Please anybody let me know how to resolve this.
>>>> >
>>>> > thanks
>>>>
>>>> IDL> mytimes=timegen(2,units='seconds',step_size=14,start=2456953 .083703704d)
>>>> IDL> print, mytimes, format='(D20.10)'
>>>> 2456953.0837037046
>>>> 2456953.0838657417
>>>>
>>>> regards,
>>>> Lajos
>>>
>>> If you have IDL 8.5 or later, the new "implied print" syntax helps you get around the default
formatting of the standard PRINT behavior.
>>>
>>> First option, simply type the variable name at the prompt.
>>>
>>> IDL> mytimes
>>> 2456953.0837037046 2456953.0838657417
>>>
>>> This is the same as using PRINT with the /IMPLIED keyword.
>>>
>>> IDL> print, mytimes, /implied
>>> 2456953.0837037046 2456953.0838657417
>>>
>>> The keyword can be unambiguously abbreviated to "/i":

```

```
>>>
>>> IDL> print, mytimes, /i
>>>      2456953.0837037046      2456953.0838657417
>>>
>>> There's less typing involved than with an explicit FORMAT string. (But also see the new
C-style formatting in IDL 8.6.)
>>>
>>> Jim P.
>>
>> But if I need to get the values in the variable itself without printing, then what should I do,
>>
>> Because I am going to use the variable in a loop, I want the variable mytimes to have value
with 2456953.083703704 format.
>
> The result from TIMEGEN does indeed have the precise values you want, it's just that if you
'print, mytimes' it is only *displaying* to eight digits of precision. Does that clear it up for you?
>
> Cheers,
> -Dick
>
> Dick Jackson Software Consulting Inc.
> Victoria, BC, Canada --- http://www.d-jackson.com
```

Thanks a lot, I got it now.

---