
Subject: array of Julian Days

Posted by [Wasit.Weather](#) on Tue, 11 Nov 2008 21:18:17 GMT

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Hello,

I wanted to generate an array of Jdays of the year, and extract some of them according to 8 days of increment. However the following code I could think of does not work.

Any help is appreciated.

```
Jdays = Lindgen (366)
```

```
Start_day= 265
```

```
End_day = 361
```

```
Daystep = 265
```

```
; collect the days
```

```
WHILE Daystep LE 361and Daystep GT 265 Do Begin
```

```
  arr = Where (Jdays LE Daystep+8 and Jdays GT Daystep, count)
```

```
  Days = JDays[arr]
```

```
EndWhile
```

What is wrong with it? How can I get the job done?

Thanks

Subject: Re: array of Julian Days

Posted by [Wasit.Weather](#) on Fri, 14 Nov 2008 15:07:29 GMT

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On Nov 13, 3:32 am, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:

> David Fanning schrieb:

>

>

>

>

>

>> Bulrush writes:

>

>>> On Nov 12, 9:37=A0am, David Fanning <n...@dfanning.com> wrote:

>>>> Bulrush writes:

>>>> > With the while loop, I got only 8 values, each increased just +1, e.g.

>>>> > 264,265,266... even if I set the step as 8. And become dead loop,

>>>> > looping all the day non-stop for that the same 8 values.

>>>> Your while loop ran all day long because you never

>>>> changed the conditional variable. Thus, it started

>>>> true and it remained true. (It's probably still true

```

>>>> now!)
>>> Here is the updated code. How can I stop then. Why the days are not
>>> increasing steps of 8, and just increasing with an increment of 1?
>>>   JDays = LINDGEN(366)
>>>   Daystep = 265
>>>   ; collect the days
>
>>>   WHILE Daystep LE 363 Do Begin
>>>       arr =D WHERE((JDays LE Daystep+8) AND (JDays GT Daystep),count)
>>>       IF count GT 0 THEN Days =JDays[arr] ELSE days = [-1]
>>>       print, days
>>>   ENDWHILE
>
>> You can stop it by making the control variable "daystep"
>> greater than 363. You don't change it's value anywhere
>> in this loop, so it *stays* less than 363 forever and ever.
>
>> If you put a breakpoint in your code and step through this
>> a couple of times, I think eventually you will discover the
>> problem. :-)
>
> Wasn't that the initial idea two days before ?
>
> I think we should also establish a while loop for you doing our
> suggestion. We know you can't escape from that loop ;)
>
> Reimar- Hide quoted text -
>
> - Show quoted text -

```

Thank David. I found the way to stop the loop.
