Subject: array of Julian Days Posted by Wasit.Weather on Tue, 11 Nov 2008 21:18:17 GMT View Forum Message <> Reply to Message

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.