
Subject: Re: Time axis labelling (1 major label every 7 days with 6 minor ticks)

Posted by [Patrique](#) on Mon, 19 May 2008 11:42:52 GMT

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On 19 Mai, 12:12, FÖLDY Lajos <fo...@rmki.kfki.hu> wrote:

> On Mon, 19 May 2008, Patrique wrote:

>> Dear all,

>

>> I'm currently trying to figure out how to make IDL to draw a time axis
>> reaching from 14 Jan to 18 Feb 2008 (exactly 5 weeks) with major ticks
>> each 7 days and 6 minor ticks in between so that there is a tick label
>> each full week. I already tried a lot of different things, but nothing
>> really worked. In my IDL Version (6.4) even the spacing of the tick
>> marks varies along the x axis when running the example below.

>

>> Can someone of you give me any hint on how to manage this issue ?

>

>> pro test

>> ;xaxis: start on 14 Jan, end on 18 Feb

>> time = FINDGEN(36)+JULDAY(01,14,2008,00,00)

>> ;yaxis values

>> Values = RANDOMN(seed,36)

>

>> ;axis formatting

>> !X.TICKFORMAT = ['LABEL_DATE']

>> !X.TICKUNITS = ['Time']

>> dummy=LABEL_DATE(DATE_FORMAT = '%D.%N.%Y!C%H:%I')

>

>> ;plotting

>> PLOT,time,values, XSTYLE=1, YSTYLE=1, XTICKS=5

>> end

>

>> Best regards and thanks for your help,

>> Patric.

>

> Do it manually. it takes much less time :-)

> (if you need this only once)

>

> pro test

> ;xaxis: start on 14 Jan, end on 18 Feb

> time = FINDGEN(36)

> ;yaxis values

> Values = RANDOMN(seed,36)

>

> ;plotting

> PLOT,time,values, XSTYLE=1, YSTYLE=1, XTICKS=5,

> xtickname=['14-jan-2008!C12:00', \$

> '21-jan-2008!C12:00', \$

```
> '28-jan-2008!C12:00', $  
> '04-feb-2008!C12:00', $  
> '11-feb-2008!C12:00', $  
> '18-feb-2008!C12:00'],$  
> xminor=7  
> end  
>  
> regards,  
> lajos
```

Thank you, Lajos.

This workaround seems to be a good solution for my needs.

Regards,
Patric.
