
Subject: Re: Labeling the x-axis with a non standard time string

Posted by [lasse](#) on Tue, 26 Feb 2008 13:11:48 GMT

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On 25 Feb, 18:41, clivecoo...@gmail.com wrote:

> Hi,
>
> So i want to be able to label the x-axis with non-standard time array.
> The x-axis values would look something like "021 12:20:00" for
> example, where the first two numbers represent the number of days
> since the experiment began. I need to be able to dynamically change
> the plot so the x-axis labels will need to be updated on the fly. For
> normal time data i use the label_date function however i can only
> display the day as day of the month.
>
> Any ideas?
>
> Many thanks,
>
> Clive

Hi,

you can write your own labelling function which calculates a string
(i.e. the label) from input data such as axis (x, y or z), index of
tickmark and x value. You then set

```
xtickformat='my_func'
```

See documentation here: http://idlastro.gsfc.nasa.gov/idl_html_help/Graphics_Keyword_s.html#wp332347

or IDL documentation for (X|Y|Z)TICKFORMAT

Cheers

Lasse Clausen

Subject: Re: Labeling the x-axis with a non standard time string

Posted by [David Fanning](#) on Tue, 26 Feb 2008 13:22:08 GMT

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clivecook59@gmail.com writes:

> So i want to be able to label the x-axis with non-standard time array.
> The x-axis values would look something like "021 12:20:00" for
> example, where the first two numbers represent the number of days
> since the experiment began. I need to be able to dynamically change
> the plot so the x-axis labels will need to be updated on the fly. For

> normal time data i use the label_date function however i can only
> display the day as day of the month.
>
> Any ideas?

I think you are probably going to have to roll your own here, but I should think it should be easy if you just call Label_Date from within your own routine.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Labeling the x-axis with a non standard time string

Posted by [Mark\[1\]](#) on Tue, 26 Feb 2008 20:51:10 GMT

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On Feb 27, 2:22 am, David Fanning <n...@dfanning.com> wrote:

> I think you are probably going to have to roll your own
> here, but I should think it should be easy if you just
> call Label_Date from within your own routine.

Label_date is the spawn of the devil!

Subject: Re: Labeling the x-axis with a non standard time string

Posted by [David Fanning](#) on Tue, 26 Feb 2008 21:09:04 GMT

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Mark writes:

> On Feb 27, 2:22 am, David Fanning <n...@dfanning.com> wrote:
>> I think you are probably going to have to roll your own
>> here, but I should think it should be easy if you just
>> call Label_Date from within your own routine.
>
> Label_date is the spawn of the devil!

The evangelical Christian movement is taking over the entire country! I hadn't realized they had moved into software. :-(

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming (www.dfanning.com)

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
