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Subject: Re: plot, xtickname

Posted by [campo9729](#) on Tue, 20 Oct 1998 07:00:00 GMT

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Harald,

Your suggestion assumes that I know ahead of time what my xaxis labels will be. I do not know this. Get\_Label.pro is not a general routine. I've tried creating an x or y array with the values that I want and using nodata=1, but this creates no labels at all. This is very frustrating. I would appreciate any further help.

Regards,

Cathy

[campo9729@my-dejanews.com](mailto:campo9729@my-dejanews.com) wrote:

```
>
>> i am doing a tv command and then a plot command to create axes around
>> the image. i would like to use the plot command and exactly specify
>> the x axis tick names that i want. here is my array of xaxis names in
>> this order:
>>
>> xaxis=[0,2,4,6,20,33,40,6,9,15,25,35]
>> xaxis=string(xaxis)
>>
>> but i am unsure which keywords to use.
>> (in my case my xaxis array will be much longer, but i don't
>> even know how to do this example case.)
>
> You could use the XTICKFORMAT keyword together with the XTICKS and
> XMINOR keywords (see IDL documentation).
>
> Try the following:
>
>
-----
> FUNCTION Get_Label, axis, index, value
>
>     xaxis=STRING([0,2,4,6,20,33,40,6,9,15,25,35])
>     RETURN, xaxis[index]
>
> END
>
> WINDOW, XSIZE=400, YSIZE=400
> image = DIST(300)
> TVSCL, image, 50, 50
> PLOT, [0], XTICKS=11, XMINOR=1, XTICKFORMAT='Get_Label', $
>           YTICKS=1, YMINOR=1, YTICKFORMAT='(A1)', $
```

> POSITION=[50,50,349,349], /NOERASE, /DEVICE  
> END  
> ;-----  
>  
> The keyword YTICKFORMAT='(A1)' suppresses the y-axis annotation.  
>  
> Regards,  
> Harald  
>  
> -----  
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> -----  
>

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