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Subject: Re: colorbar and [XY]tickname

Posted by [David Fanning](#) on Wed, 12 May 2004 12:39:10 GMT

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Einar M. Einarsson writes (again):

```
> I was wondering if someone (David?) knows why I can't use the
> [xy]tickname keyword to Davids Fannings colorbar program?
>
> Here is my code:
>
> print, names
> help, names
>
> colorbar, /vertical, $
>     Position = col_pos, $
>     Range=[0,r_levels(n_elements(r_levels)-1)], $
>     NColors=n_elements(r_levels)-1, $
>     Bottom=101, $
>     Color=!P.color, $
>     Divisions=n_elements(r_levels)-1,$
>     /right, $
>     TITLE='mm/3k1st',$
>     font=1, $
>     ycharsize=1.3, $
>     ytickname=names,$
>     format='(A2)'
>
> Here is the print/help output:
>      0      1      2      3      4      5      10
> 15      20
> NAMES      STRING  = Array[9]
>
> And the result can be found on: http://www.os.is/~or/test/png/A13.png
> I belived that the _extra keyword would take care of this! Or like you
> guys see i want the scale to be irregular, do you maybe know some
> better method to do this? or do I just have to modify the colorbar
> program myself?
```

Well, this is a fairly subtle problem, it seems to me after I've puzzled over it for an hour. I think it boils down to the fact that you don't want to simultaneously use strings for your plot annotations AND use the FORMAT keyword. I guess this makes sense. If you are asking IDL to use strings you have provided, then the format will be determined by the strings.

Bottom line, I think this call above will work if you set

the FORMAT keyword equal to a null string (ie, FORMAT="").  
This will have to be done for COLORBAR \*whenever\* you provide  
the [XY]TICKNAME keyword.

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting

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

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