
Subject: Re: Alternative [XY]ticknames on colorbar
Posted by [David Fanning](#) on Tue, 11 May 2004 13:16:19 GMT
[View Forum Message](#) <> [Reply to Message](#)

Einar M. Einarsson writes:

```
> Can someone (David?) tell me how to get alternative labels on David's
> colorbar?
> I wanted to ask you guys if I could avoid changing his 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',$
>     ytickname=names,$
>     format='(A2)'
>
> And here is the resault from the print/help functions:
>      0      1      2      3      4      5      10
> 15      20
> NAMES      STRING  = Array[9]
>
> Isn't the _EXTRA keyword supposed to pass ytickname to the AXIS
> procedure? And it it doesn't matter if names are a integer array and
> format='(I2)'
```

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 TICKNAME keyword.

I've resisted making COLORBAR too sophisticated, because I think it is really RSI's responsibility to provide this kind of program, not mine. But I'll think about adding a TICKNAME keyword to the program. :-)

Cheers,

David

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting

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