Subject: Re: Alternative [XY]ticknames on colorbar
Posted by David Fanning on Tue, 11 May 2004 13:16:19 GMT
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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/3klst',$
>   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/

Subject: Re: Alternative [XY]ticknames on colorbar
Posted by einareinar on Wed, 12 May 2004 13:09:31 GMT
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David Fanning <david@dfanning.com> wrote in message
news:<MPG.1b0a80105c431cb7989748@news.frii.com>...
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> of program, not mine. But I'll think about adding a TICKNAME
> keyword to the program. :-)
>
> Cheers,
>
> David
>
>
> Cheers,
>
> David

Thanks!

It's works fine! And I have to agree that RSI itself should come up
with some handy colorbar tool. The final product can be shown here if
someone is intrested!: http://www.os.is/~or/vedurspa/A.html

best regards
Einar

Subject: Re: Alternative [XY]ticknames on colorbar
Posted by David Fanning on Wed, 12 May 2004 13:59:01 GMT

Einar M. Einarsson writes:

> It's works fine! And I have to agree that RSI itself should come up
> with some handy colorbar tool. T

I've added a TICKNAMES keyword to the COLORBAR procedure
so that this is now easier to do. When TICKNAMES is present,
the FORMAT is automatically set equal to a null string.

  http://www.dfanning.com/programs/colorbar.pro

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting
Coyote's Guide to IDL Programming: http://www.dfanning.com/