Subject: Re: logarithmic colorbar
Posted by David Fanning on Mon, 03 Feb 2014 15:54:43 GMT
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simona bellavista writes:

>
> I am trying to make a logarithmic colobar. I am not entirely sure this is correct.
> The variable a that I am plotting as a shade of color is actually a log10(a). In the colorbar I would like to have a logarithmic axis. I do the following:
>
> colors = bytscl(alog10(a))
>
> plot, x, y, /nodata
> for i = 0, n_elements(x) plots, x[i], y[i], color=colors[i], psym=4
> vtick = alog10(2e3*dindgen(5)+1e3)
> colorbar, range = [min(alog10(a)),max(alog10(a))], orientation=1, tickvalues=vtick, tickname=string(tickvalues,format='(I6)')
>
> and the ticks are created as usually equi-spaced and they are actually 7.
>
> And also the option orientation does have any effect and I can't get the bar on the side, but instead it is on the top inside my plot, how do I get it to stay on the side? I think the problem is that when plot is called it fills the whole window and no space is left.

This article might help:

http://www.idlcoyote.com/graphics_tips/logcb.html

Cheers,

David
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David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")