
Subject: Re: !p.multi , colorbar&set_viewport ?
Posted by [anil](#) on Fri, 22 Nov 2013 08:47:51 GMT
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On Wednesday, November 20, 2013 3:33:13 PM UTC+2, David Fanning wrote:

> anil writes:

>

>

>

>> I'm trying to plot many figures with multi-plots in each of them.

>

>> I use !p.multi. The problem is I plot my colorbar using set_viewport,as below:

>

>>

>

>> b=clevels

>

>> r=size(b)

>

>> aa = dblarr(r(1),2)

>

>> aa = [[b], [b]]

>

>> cc = dblarr(1, 2)

>

>> cc = [0, 1]

>

>> cc=transpose(cc)

>

>> set_viewport, 0.05,0.55,0.55,0.57

>

>>

>

>> contour,aa, b ,cc,/cell_fill, levels = b, /noer,\$

>

>> ytickinterval = 1, ycharsize = 1, ys =4,xs = 1,charthick=1,charsize=0.4 , \$

>

>> c_colors=indgen(269)+1,/overplot

>

>>

>

>> My code works fine until this point. I plot map projections with contour on top of them. Then I want to add my colorbar beneath this figure but what happens is starting from the 2nd file, it only plots the frame (from set_viewport command) and plots everythin else inside this frame. How can I fix this? I use /advance and /noerase keywords in the map projection and contour routines but it gets stuck in this viewport. When i just do set_viewport,device. I can see the map

>

> projection and contour on top of it. So I am sure it is plotting, just not where i want it. Any help is

appreciated

>
>>
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>
>
> Hard to know what "Set_Viewport" command you are using, but the one I
>
> found on my machine (in the "obsolete" directory, unfortunately) simply
>
> sets the !P.Position system variable. If you try to set both the
>
> position *and* use !P.Multi, chaos always ensues.
>
>
>
> I think I would have a look at the Coyote Plot Gallery for an example of
>
> how to do multiple contour plots on map projections. Adding a color bar
>
> to each of the plots in the Small Contour Multiples plot is trivial. The
>
> example uses cgLayout (rather than !P.Multi) so that you can adjust the
>
> "gap" between plots to give yourself some room for adding the color bar.
>
>
>
> <http://www.idlcoyote.com/gallery/index.html>
>
>
>
> Cheers,
>
>
>
> David
>
> --
>
> 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.")

Thanks David. I'll try that.
Cheers
