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Subject: Re: Title , multiple Plot in IDL

Posted by [davidf](#) on Wed, 29 Jan 1997 08:00:00 GMT

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Ralph Steigrad <steigrad@geo.umnw.ethz.ch> writes:

```
> I use the multiple plot in IDL (!P.MULTI ..).
> So I get 2x3 plots. I want to make a title above those plots.
>
> David Fanning answered:
>
> Humm, probably not enough room for the title. The outside
> margins of a multiple-plot page are controlled by the
> ![XYZ].OMARGIN system variables. These system variables
> use that ol' favorite, *character* units, as the unit of
> measure.
>
> Try something like this:
>
> !Y.OMARGIN=[2, 10]
> !P.MULTI = [0, 2, 3]
> ....
>
> Thats what I did and didn't succeed, as I'am using the Z-buffer.
>
> Here is the part of my program
>
> -----
> SET_PLOT,'Z'
> DEVICE,SET_RESOLUTION=[RES_PLOT_X,RES_PLOT_Y]
> !Y.OMARGIN=[2, 10]
> !P.MULTI=[0,MULTI_PLOT_X,MULTI_PLOT_Y]
> for i=5L,FIELD+4 do plot,ti,r(i,*),background=255,
color=0,min_value=-998,TITLE=
> TITEL(i-5)
> XYOUTS, 0.5, 0.95, ALIGN=0.5, CHARSIZE=2.0,/NORMAL,STATION_NAME
```

I replied to this in private e-mail to Ralph, but haven't heard anything back from him.

For the rest of you, I think the problem is that his Z-buffer window is not the same size as his graphics display window. There is nothing wrong with using XYOUTS in the Z-buffer. I think when he transfers the "image" from the Z buffer into his graphics window he is clipping the title.

I suggested he try this:

```
thisDevice = !D.Name
SET_PLOT, 'Z'
DEVICE, SET_RESOLUTION=[RES_PLOT_X, RES_PLOT_Y]
!Y.OMARGIN=[2, 10]
!P.MULTI=[0, MULTI_PLOT_X, MULTI_PLOT_Y]
for i=5L, FIELD+4 do plot, ti, r(i, *), background=255, color=0, min_value=-998
XYOUTS, 0.5, 0.95, ALIGN=0.5, CHARSIZE=2.0, /NORMAL, STATION_NAME
a = TVRD()
SET_PLOT, thisDevice
WINDOW, XSIZE=RES_PLOT_X, YSIZE=RES_PLOT_Y
TV, a
```

This kind of code works in the Z-buffer and on the display for me.

Would like to hear the result!

David

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