

Subject: Title , multiple Plot in IDL
Posted by [steigrad](#) on Mon, 27 Jan 1997 08:00:00 GMT
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I use the multiple plot in IDL (!P.MULTI ..).
So I get 2x3 plots. I want to make a title above those plots.

but how ?

XYOUTS didn't succeed.

Ralph

//_/_/_/_/_/_/ Ralph Steigrad (System Engineer)
 //_/_/_/_/_/_/ Swiss Federal Institute of Technology ETH
 //_/_/_/_/_/_/ Winterthurerstrasse 190 / CH-8057 Zurich
 //_/_/_/_/_/_/ MAIL : steigrad@geo.umnw.ethz.ch
 //_/_/_/_/_/_/ PHONE: +41 1 2575238 FAX: +41 1 3625197

```
Key fingerprint = 1A 71 92 41 47 97 10 B2 B0 EA D3 29 3B 26 1F 0E
Key available      finger -l steigrad@geo.ethz.ch
```

Subject: Re: Title , multiple Plot in IDL
Posted by [davidf](#) on Mon, 27 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.
- > but how ? XYOUTS didn't succeed.

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]
FOR j = 0, 5 DO PLOT, FINDGEN(11)
XYOUTS, 0.5, 0.93, ALIGN=0.5, CHARSIZE=2.0, /NORMAL, $
  'This is the plot title'
```

This works for me.

David

David Fanning, Ph.D.
Fanning Software Consulting
2642 Bradbury Court, Fort Collins, CO 80521
Phone: 970-221-0438 Fax: 970-221-4762
E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com>

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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David Fanning, Ph.D.
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