Subject: Title, multiple Plot in IDL Posted by steigrad on Mon, 27 Jan 1997 08:00:00 GMT View Forum Message <> Reply to Message

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

Subject: Re: Title, multiple Plot in IDL Posted by davidf on Mon, 27 Jan 1997 08:00:00 GMT View Forum Message <> Reply to Message

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.

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Coyote's Guide to IDL Programming: http://www.dfanning.com

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Subject: Re: Title, multiple Plot in IDL Posted by davidf on Wed, 29 Jan 1997 08:00:00 GMT View Forum Message <> Reply to Message

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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