
Subject: Re: Altered device coordinates after first call
Posted by [David Fanning](#) on Mon, 16 Oct 2006 16:36:42 GMT
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Juan Arrieta writes:

- > Please have a look at my code, the data is of course fictitious, but
- > the general idea is to produce a nice looking letter-size output. If
- > you want to see the PS, uncomment the corresponding lines. The code as
- > it is will produce a direct graphics plot.

Humm. Well, there is a LOT going wrong in this code. :-)

The main thing is that you are drawing graphics in DATA coordinates, but you haven't established a DATA coordinate system in the code. So it's using the **last** one that did get established, which could be anything at all. That's why you can't reproduce anything.

It looks to me like you want to draw graphics in a NORMAL (normalized) coordinate system. If so, you will need to set a NORMAL keyword on all your PLOTS and XYOUTS commands.

I would also draw the plots **first**, then put all the annotation on the plots. It is the NOERASE keyword on your PLOT commands that I think is really screwing you up here. I see why you want to do it, since all your annotation disappears when the first plot is drawn, but it plays absolute havoc with your data coordinate system.

Cheers,

David

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
