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Subject: Re: Plotting a Text Box below a plot so that also works when !P.MULTI is set.

Posted by [Martin Schultz](#) on Sun, 22 Nov 1998 08:00:00 GMT

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David Fanning wrote:

```
> Axel Schweiger (axel@apl.washington.edu) writes:
>
>> I want to plot a box containing text below an existing plot which
>> contains a graphic. I want this to work also when !P.multi is set.
>>
>> I have played around a bit with the POSITION parameter but that doesn't
>> seem to work when used with !P.MULTI. The Margins are another option. I
>> probably
>> could figure this out but somebody probably has already.
>
> I think you may have to give up on !P.Multi in this case,
> unless you are really, really clever (and even then I'm not
> sure you could do it or that it would be worth the effort).
> I think it would be much easier to just position the plots
> in the window yourself. Subsequent plots can be drawn into
> the window with the NOErase keyword.
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
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> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Toll-Free IDL Book Orders: 1-888-461-0155
```

Hey David!

Wasn't it you yourself who told me about !x.window and !y.window which store the size of the current plot window? As a first try you could position your text with something like

```
px = (!x.window[0]+!x.window[1])/2.
```

```
py = !y.window[0]
```

```
xyouts,px,py,yourtext,/norm,align=0.5
```

and if you use the !x.margin and !y.margin keywords, you may even be able to prevent the plot and the text box from running into each other.

The beauty of !p.multi is that you can easily specify the number of rows and columns without having to go through these non-trivial calculations of the position parameter. I don't think one should drop this too fast.

Regards,  
Martin.

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