
Subject: Re: Q: Selection of specific plot regions
Posted by [davidf](#) on Tue, 14 Jan 1997 08:00:00 GMT
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Lothar Schueller <lothar@amor.met.fu-berlin.de> writes:

> Is there a possibility to select a specific plot region when using
> multiple plots like the "wset" command for the selection of a plot
> window?

Yes. Suppose, for example, that you wanted three columns and two rows of plots, and that you wanted the plots to be displayed in column order (i.e., the first column is filled, then the second, and so forth). The order of the plots would look something like this:

```
1  3  5
2  4  6
```

To set this up, you set !P.MULTI like this:

```
!P.MULTI = [0, 3, 2, 0, 1]
```

The first element in the !P.MULTI system variable tells you how many plots *REMAIN* on the page to plot. The default value is "0", meaning that no more plots exist on the page to plot. Thus, the *next* plot goes into the number 1 slot in the diagram above.

But suppose you wanted to plot into slot number 3, above. In the normal course of things, you would do the first plot, then the second, and you would be ready to plot into slot number 3. If you examined !P.MULTI(0) after you plotted the second plot, you would see that it has a value of 4. That is, four plots *remain* to be plotted. Thus, the *next* plot goes into slot 3.

If you want to plot into slot 3 without first plotting into slots 1 and 2, you simply set !P.MULTI(0) appropriately, like this:

```
!P.MULTI(0) = 4
PLOT, data
```

The plot above goes into slot 3. If I want now to draw a plot into slot 5, I do this:

```
!P.MULTI(0) = 2
```

PLOT, data

and so on.

The trick is to remember that !P.MULTI(0) is always set to the number of plots *remaining* on the page of plots.

Yours,

David

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