

[View Forum Message](#) <> [Reply to Message](#)

```
> I'm sure there must be a way to do this in IDL but I don't know what it is.
> I want to do 4 stacked 2-d plots using MAP_SET and PLOTS, looking something
> like this:
```

```
> I want to make specific humidity plots at 4 different levels in the
> atmosphere. I already do these individually but want to try visualizing
> them this way.
```

I can't really tell what you are looking for here. If you just want four plots in the window, setting `!P.MULTI` is the way to go:

```
!P.MULTI=[0,1,4]
Map_Set, ...
Oplot,...
Map_Set, /Advance ...
Oplot,...
Map_Set, /Advance ...
Oplot,...
Map_Set, /Advance ...
Oplot,...
!P.MULTI=0
```

If you want "stacked" plots, so that the upper border of the lower plot is the lower border of the upper plot, then you are going to have to become proficient in the use of keywords. Here are a few you are going to have to know how to use for sure: POSITION, NOERASE, and [XY]STYLE. You are probably also going to have to know a trick for turning off axis annotation occasionally. I use XTICKFORMAT='(A1)'.

Here is an example of a "stacked" plot, although it doesn't use MAP\_SET, which might introduce its own complications. :-)

[http://www.dfanning.com/graphics\\_tips/ladder\\_plot.html](http://www.dfanning.com/graphics_tips/ladder_plot.html)

Cheers,

David

--

David W. Fanning, Ph.D.

Fanning Software Consulting, Inc.

Phone: 970-221-0438, E-mail: [david@dfanning.com](mailto:david@dfanning.com)

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

Toll-Free IDL Book Orders: 1-888-461-0155

---