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Subject: Re: Perspective view of a 2-d plot

Posted by [Clay Blankenship](#) on Wed, 17 Sep 2003 16:19:47 GMT

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David Fanning wrote:

> Clay Blankenship writes:

>

>> 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:

```
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```

>> 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:  
>

Thanks for the reply. I should have been more explicit in saying I am trying to do a perspective view of 4 parallel planes from somewhere above and off to the side. I figured out a way to do it using the t3d command and keyword.

```
for lev=1,4 do begin  
  z=.25*(lev-1)  
  xoff=.15-.05*lev  
  t3d,/reset,rot=[-65,20,0],translate=[xoff,0,z]  
  map_set,latcen,loncen,/cyl,/grid,/cont,$  
    limit=[lat1,lon1,lat2,lon2], $  
    /label,latlab=lon2-2,lonlab=lat2-2,$  
    position=p,/noerase,/t3d  
endfor
```

I had to fiddle with the z offset to get them to line up vertically since I couldn't figure out the right rotation to use.

I also got a reply from Jim Pendleton of RSI explaining how to do it using Direct Graphics and Object Graphics.

Clay

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Clay Blankenship                      Change 'Z' to 's' to reply  
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