
Subject: Landscape plots the other way up...?
Posted by [atmnjl](#) on Mon, 18 Apr 1994 12:26:03 GMT
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A friend of mine is producing postscript output from IDL with DEVICE,/LANDSCAPE which rotates the plot through 270 degrees. However, he would prefer it to rotate it through 90 degrees. Has anyone found a way to do this (without just editing the postscript)?

Thanks in advance

Nathaniel Livesey
Dept. of Atmospheric Physics
Oxford, UK.

Subject: Re: landscape plots
Posted by [davidf](#) on Thu, 28 Sep 2000 07:00:00 GMT
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Whoops! I wrote this:

- > Or, if this gives you a headache just thinking about it,
- > you can configure your PostScript output graphically
- > using my PSConfig suite of programs:
- >
- > <http://www.dfanning.com/programs/psconfig.zip>

And the real URL is this:

http://www.dfanning.com/programs/fsc_psconfig.zip

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: landscape plots
Posted by [Liam E. Gumley](#) on Thu, 28 Sep 2000 07:00:00 GMT
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Stuart Colley wrote:

> I tried using the /Landscape keyword to produce a Landscape plot when
> using the PS device, since the default is portrait. When viewing the
> resulting .ps file with ghostview, the ghostview window is changed to be
> landscape rather than portrait, but the plot is totally screwed up. Only
> about 5% of the image (image is a mixture of Plot and Tv) is in the
> window, and from what I can see of the image, it appears that it has been
> rotated through 180 degrees.
>
> Is there anything else I must do other than set /Landscape when using
> Device?

Displaying an image with plot overlays in PostScript Landscape mode is so fiendishly difficult with TV that I wouldn't even try it. I'd use IMDISP instead, which is designed to do this sort of thing automatically, e.g.

```
set_plot, 'PS'  
device, /landscape, /color, bits=8, filename='myimage.ps'  
imdisp, dist(256), /axis, title='Frequency Distribution'  
device, /close_file
```

Check out the source code at
<http://cimss.ssec.wisc.edu/~gumley/imdisp.html>

Cheers,
Liam.
<http://cimss.ssec.wisc.edu/~gumley>

Subject: Re: landscape plots
Posted by [davidf](#) on Thu, 28 Sep 2000 07:00:00 GMT
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Stuart Colley (src@star.ucl.ac.uk) writes:

> I tried using the /Landscape keyword to produce a Landscape plot when
> using the PS device, since the default is portrait. When viewing the
> resulting .ps file with ghostview, the ghostview window is changed to be
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> Device?

Yes, you must realize that the YOFFSET is pointing in the -X

direction and that the XOFFSET is pointing in the +Y direction, with respect to your plot. (Uh, don't ask me why.)

To get things sorted out, you probably need to subtract your current XOFFSET from the page length and assign that to the YOFFSET keyword and then assign your current YOFFSET value to the XOFFSET keyword. Now your plot will at least be on the page, although probably upside down in Ghostview. Just set the Viewing Option in GhostView to Seascape and you are all set. :-)

Or, if this gives you a headache just thinking about it, you can configure your PostScript output graphically using my PSConfig suite of programs:

<http://www.dfanning.com/programs/psconfig.zip>

For European type output on A4 paper, you would do something like this:

```
psKeywords = PSConfig(/European, Cancel=cancelled)
```

That little plot area on the right is where your graphics are going to go on the PostScript page. You can move the plot around, resize it, center it, switch to landscape mode, etc. When you are all set, hit the Accept button. The function returns all the keywords required to configure your PostScript page exactly the way you just specified. You don't have to know anything at all about how the PostScript device keywords work. The code looks something like this:

```
IF cancelled THEN RETURN
thisDevice = !D.Name
Set_Plot, 'PS'
Device, _Extra=psKeywords
```

And you are set to write your graphics commands:

```
Plot, mydata
Device, /Close_File
Set_Plot, thisDevice
```

Cheers,

David

--

David Fanning, Ph.D.

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Subject: Re: landscape plots
Posted by [promashkin](#) on Thu, 28 Sep 2000 07:00:00 GMT
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I'd recommend checking out David Fanning's web site. For instance,
http://www.dfanning.com/tips/ps_landscape.html and
http://www.dfanning.com/programs/docs/fsc_psconfig.html

Cheers,
Pavel

Stuart Colley wrote:

>
> hi,
> I tried using the /Landscape keyword to produce a Landscape plot when
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> S
