
Subject: Re: Problem of converting plots with both plotimage and multiplot to postscript

Posted by [David Fanning](#) on Mon, 30 Sep 2013 12:52:10 GMT

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jeffreyrdcs@gmail.com writes:

> I was trying to plot some fits images using a combination plotimage.pro and multiplot.pro, it appears fine on my screen as well as output as PNG using write_png.pro. Below is what it look like when I export the plot as PNG:

>
> <http://i.imgur.com/XKYK8mX.png>
>
> But when I export it to PostScript, after conversion it appears to be something like this:

>
> <http://i.imgur.com/b2CfdF5.png>
>

> As you can see there's weird pixels plotted on my PS. I set it in IDL like this:

>
> set_plot,'ps'
> !p.font=0
> device,filename= outfile,\$
> xsize= some number,\$
> ysize= some number,\$
> /encapsulate
>
> multiplot,[0,3,6,0,0],xxxxxxx
>
> plotimage, xxxx
>
> multiplot,/reset
>

> and of course, device,/close at the bottom.

>
> It happens when I run my code on either my Linux machine or my Mac. I have never encountered such a problem when I plot postscript using plotimage nor multiplot before

It results from using indexed color in your PostScript device. Your color table is being contaminated, probably from the labels you are writing on your images. Setting your PostScript device up correctly is handled for you if you use PS_Start/PS_End to configure the device, or you can probably just include a DECOMPOSED=1 keyword on your Device command to clear this up.

Cheers,

David

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

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
