
Subject: How to make multiple plots on multiple pages with the same figure filename?

Posted by [atmospheric physics](#) on Wed, 05 Feb 2014 09:20:49 GMT

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Hello,

I am currently using coyote plotting routines. I wanted to make 3 plots each on first and second pages with same figure filename. Right now, I am plotting 3 plots on page and other 3 plots on another page with different filenames. Is there a simple way with !P.Multi tool in IDL to include multiple pages with same figure filename?

```
-----  
Figfile1='figure1.ps'  
  
cgPS_Open, FigFile1  
cgDisplay,1200,1000  
!P.Multi=[0,1,3]  
  
...  
...  
...  
  
!P.Multi=0  
cgPS_Close  
cgPS2Raster, FigFile1, /PNG, Width=1000  
  
FigFile2='figure2.ps'  
cgPS_Open, FigFile2  
cgDisplay,1200,1000  
!P.Multi=[0,1,3]  
  
...  
...  
...  
  
!P.Multi=0  
cgPS_Close  
cgPS2Raster, FigFile2, /PNG, Width=1000  
-----
```

Thanks in advance!

Subject: Re: How to make multiple plots on multiple pages with the same figure

filename?

Posted by [andeh](#) on Wed, 05 Feb 2014 10:12:13 GMT

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I don't think you can have multiple pages in a PNG file.

Non-encapsulated postscripts are fine though, so just keep plotting.

e.g.

```
cgPS_Open, 'figure1.ps'
cgDisplay, 1200, 1000
!P.Multi=[0,1,3]
FOR i=0,5 DO cgPlot, [0,1]
cgPS_Close
```

Subject: Re: How to make multiple plots on multiple pages with the same figure filename?

Posted by [David Fanning](#) on Wed, 05 Feb 2014 11:35:48 GMT

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AJAS writes:

- > I don't think you can have multiple pages in a PNG file.
- >
- > Non-encapsulated postscripts are fine though, so just keep plotting.

Yes, this is correct. Creating multiple pages of PostScript output is as simple as plotting on your display. Any command that would "erase" the display on your screen before plotting will create another page of PostScript output. There is no limit to the number of pages created. (To manually "go to" the next page in a PostScript file, you can simply use the cgErase command.)

The problem is converting that PostScript file into raster output. ImageMagick is powerful, and it is possible it might be able to handle a multipage PostScript file to do the conversion. But, I don't know how to do that and, right now, I'm not likely to investigate it. I see other people have tried to do this, with limited success:

<http://www.imagemagick.org/discourse-server/viewtopic.php?f=1&t=22773>

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: How to make multiple plots on multiple pages with the same figure filename?

Posted by [atmospheric physics](#) on Thu, 06 Feb 2014 09:16:34 GMT

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Thanks for your clarification and suggestion ... David!
