
Subject: Filename variable from device?

Posted by [dr.paul.woods](#) on Mon, 05 Jan 2009 16:45:05 GMT

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In IDL, I wondered if it was possible to store the output filename used in the DEVICE command as a variable, so that you can print it, etc.? e.g.:

```
if keyword_set(ps) then begin
  displaycolors=!D.N_colors
  set_plot,'ps'
  device,filename='output.ps',/color,/cmyk,bits_per_pixel=8
  print,"Output written to ",filename
endif
```

Subject: Re: Filename variable from device?

Posted by [R.Bauer](#) on Tue, 06 Jan 2009 12:50:22 GMT

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dr.paul.woods@gmail.com schrieb:

```
> In IDL, I wondered if it was possible to store the output filename
> used in the DEVICE command as a variable, so that you can print it,
> etc.? e.g.:
>
> if keyword_set(ps) then begin
>   displaycolors=!D.N_colors
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>   device,filename='output.ps',/color,/cmyk,bits_per_pixel=8
>   print,"Output written to ",filename
> endif
```

Well sometimes it is much more important to know how you have done this damn ps file.

So we wrote that info into each ps file

```
%!PS-Adobe-3.0
%%PLOTINIT: Tue Jan 6 13:46:20 2009
%%PLOTINIT: /private/20090106/test.pro
%%PLOTINIT: 100 Read, Write, New, No Close, Reserved my_plot.ps
%!PS-Adobe-3.0
%%BoundingBox: 0 0 595 841
%%Title: Graphics produced by IDL
```

cheers
Reimar

Subject: Re: Filename variable from device?

Posted by [Carsten Lechte](#) on Tue, 06 Jan 2009 17:52:02 GMT

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Reimar Bauer wrote:

```
> %!PS-Adobe-3.0
> %%PLOTINIT: Tue Jan 6 13:46:20 2009
> %%PLOTINIT: /private/20090106/test.pro
> %%PLOTINIT: 100 Read, Write, New, No Close, Reserved my_plot.ps
> [...]
```

How did you achieve this? Some clever DEVICE calls?
Or did you write that header and append the ps file
to it?

chl

Subject: Re: Filename variable from device?

Posted by [R.Bauer](#) on Wed, 07 Jan 2009 07:39:20 GMT

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Carsten Lechte schrieb:

```
> Reimar Bauer wrote:
>> %!PS-Adobe-3.0
>> %%PLOTINIT: Tue Jan 6 13:46:20 2009
>> %%PLOTINIT: /private/20090106/test.pro
>> %%PLOTINIT: 100 Read, Write, New, No Close, Reserved my_plot.ps
>> [...]
>
> How did you achieve this? Some clever DEVICE calls?
> Or did you write that header and append the ps file
> to it?
>
>
> chl
```

you can get the lun of the psfile and write to that

plotinit

http://www.fz-juelich.de/icg/icg-1/idl_icglib/idl_source/idl_work/fr_lib/plotinit.pro

determine_postscript_filename

http://www.fz-juelich.de/icg/icg-1/idl_icglib/idl_source/idl_work/fr_lib/determine_postscript_filename.pro

more

<http://tinyurl.com/27mu9z>

cheers
Reimar

Subject: Re: Filename variable from device?
Posted by [Carsten Lechte](#) on Wed, 07 Jan 2009 17:39:09 GMT
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> plotinit

Thanks, I did not know about the OUTPUT keyword of DEVICE.

chl
