
Subject: Re: Multiple plotting windows?

Posted by [David Fanning](#) on Thu, 03 Mar 2005 23:05:59 GMT

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John writes:

- > First of I would like to say that I really like the tone of this group.
- > I've been reading this group and a group on Mandrake Linux for a few
- > weeks now, and boy is there a difference. Please keep up the good work.

I'll bet they don't talk about tennis on that other group!

- > Now to my question. Say I plot a data set via the usual methods, i.e.
- >
- > plot, values.solar[*], values.solar[*], blah blah blah.
- >
- > Then window pops up with the plot and the title "IDL 0" in the title
- > bar. What I can't figure out is how to plot a new data set in a new
- > window, which leaves the original window undisturbed. There seems like
- > there should be a simple keyword for this but I can't seem to figure it
- > out (I've read the relevant IDL docs several times, the closest thing
- > is !p.multi but that doesn't do it).
- >
- > I'm sure it is something simply and silly, but I would greatly
- > appreciate your assistance. Thanks in advance!!

I think you are looking for the WINDOW command:

```
IDL> Window, 1
```

gives you a window with graphics window index 1, etc.

To make a window the current graphics window (so you can draw in it), you do a WSET to the proper window index number. So, to draw in Window 0 again:

```
IDL> WSET, 0
```

To draw into window 1,

```
IDL> WSET, 1
```

etc.

The current graphics window is always set in !D.Window:

```
IDL> Print, !D.Window  
1
```

Cheers,

David

P.S. There are books you can read to answer the most obvious questions. :-)

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Subject: Re: Multiple plotting windows?

Posted by [Michael Wallace](#) on Thu, 03 Mar 2005 23:08:49 GMT

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> bar. What I can't figure out is how to plot a new data set in a new
> window, which leaves the original window undisturbed. There seems like
> there should be a simple keyword for this but I can't seem to figure it
> out (I've read the relevant IDL docs several times, the closest thing
> is !p.multi but that doesn't do it).

Use the window command to create a new window on the screen. You'll also want to look at the wset, wdelete and wshow commands in order to work with multiple windows at one time.

Each window has an ID associated with it. When you create a new window, get the ID of the window and then you can jump back and forth between which window you're plotting to. Even though commands like plot will create a window for you, it's easier to track this if you explicitly create the window yourself.

```
; Create two windows
window, 0
window, 1
```

```
; Draw something to the first window and then the second
wset, 0
plot, findgen(11)
wset, 1
plot, findgen(11)
```

-Mike

Subject: Re: Multiple plotting windows?

Posted by [Mark Hadfield](#) on Thu, 03 Mar 2005 23:08:51 GMT

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optiksguy wrote:

- > Hello all:
- > First of I would like to say that I really like the tone of this group.
- > I've been reading this group and a group on Mandrake Linux for a few
- > weeks now, and boy is there a difference. Please keep up the good work.

Yeah, well, the number of Linux users is steadily increasing and I think it's fair to say the tone is deteriorating at the same time. When the proportion of Linux users reaches 90%, I predict this group will be just as bad as the Madrake Linux one and I won't bother with it any more, except to make occasional "Windows rules" comments to stir up the angry hordes.

- > Now to my question. Say I plot a data set via the usual methods, i.e.
- >
- > plot, values.solar[*], values.solar[*], blah blah blah.
- >
- > Then window pops up with the plot and the title "IDL 0" in the title
- > bar. What I can't figure out is how to plot a new data set in a new
- > window, which leaves the original window undisturbed.

Read about WINDOW and WSET.

--

Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"

m.hadfield@niwa.co.nz

National Institute for Water and Atmospheric Research (NIWA)

Subject: Re: Multiple plotting windows?

Posted by [David Fanning](#) on Thu, 03 Mar 2005 23:30:02 GMT

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Mark Hadfield writes:

- > Yeah, well, the number of Linux users is steadily increasing and I think
- > it's fair to say the tone is deteriorating at the same time.

I have to admit, if I had to talk about regular expressions all day, I'd get peevish, too.

Cheers,

David

--

David Fanning, Ph.D.

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Subject: Re: Multiple plotting windows?

Posted by [optiksguy](#) on Thu, 03 Mar 2005 23:56:12 GMT

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Thank you one and all, guess I didn't read all the relevant docs!

Best,

John

Subject: Re: Multiple plotting windows?

Posted by [Mark Hadfield](#) on Fri, 04 Mar 2005 01:21:43 GMT

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David Fanning wrote:

> Mark Hadfield writes:

>> Yeah, well, the number of Linux users is steadily increasing and I think

>> it's fair to say the tone is deteriorating at the same time.

>

> I have to admit, if I had to talk about regular expressions

> all day, I'd get peevish, too.

I'm just embarrassed over PNT_LINE thing.

--

Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"

m.hadfield@niwa.co.nz

National Institute for Water and Atmospheric Research (NIWA)

Subject: Re: Multiple plotting windows?

Posted by [David Fanning](#) on Fri, 04 Mar 2005 03:42:01 GMT

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Mark Hadfield writes:

> I'm just embarrassed over PNT_LINE thing.

Ah, let it go and head over to the pub for a beer.
It won't be the last time you get to waste a couple of
hours if you work like me. :-)

Cheers,

David

P.S. I did think it was a heroic effort! And how would
you have ever discovered PNT_LINE on your own?

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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