
Subject: Re: WSet to negative value

Posted by [Michael Galloy](#) on Mon, 17 Jan 2011 23:42:06 GMT

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On 1/17/11 4:26 PM, David Fanning wrote:

> Folks,
>
> I was just fooling around with a program and realized I can
> do a WSet, -1 in this version of IDL (Windows 7.1.2). I am convinced
> this was not always possible, since I have written a lot of
> code in my day like this:
>
> IF currentWindow GE 0 THEN WSet, currentWindow
>
> I wonder if this is a Windows thing, or an IDL version thing.
> If anyone running an older version of IDL could try to set
> their graphics window to -1, I would love to hear what version
> of IDL you are running and what the results are:
>
> WSet, -1
>
> Thanks,
>
> Cheers,
>
> David
>
> P.S. I am just putting the final touches on a completely
> revamped FSC_Window program. It is working great. You can
> have multiple resizable graphics windows, add and delete
> commands to/from the windows, replace commands, display multiple
> commands in the window, list the commands in the window,
> choose which of several windows you want to work with,
> send the commands to a PostScript file, make raster image
> files out of the window using ImageMagick or not, etc.
> I quite honestly have never seen anything like it in IDL. :-)
>

It's not a Windows thing:

```
IDL> wset, -1
IDL> wset, -2
% WSET: Window is closed and unavailable.
% Error occurred at: $MAIN$
% Execution halted at: $MAIN$
```

From the docs for WSET:

"If you set Window_Index equal to -1, IDL will try to locate an existing window to make current, ignoring any managed draw widgets that may exist. If there is no window to make current, WSET changes the value of the WINDOW field of the !D system variable to -1, indicating that there are no current windows."

I'm running 8.0.1 on Mac OS X:

```
IDL> print, !version  
{ x86_64 darwin unix Mac OS X 8.0.1 Oct 5 2010    64    64}
```

Mike

--

www.michaelgalloy.com
Research Mathematician
Tech-X Corporation

Subject: Re: WSet to negative value
Posted by [Vontobel Peter](#) on Tue, 18 Jan 2011 09:41:47 GMT
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On 18 Jan., 00:26, David Fanning <n...@dfanning.com> wrote:

> Folks,
>
> I was just fooling around with a program and realized I can
> do a WSet, -1 in this version of IDL (Windows 7.1.2). I am convinced
> this was not always possible, since I have written a lot of
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> send the commands to a PostScript file, make raster image
> files out of the window using ImageMagick or not, etc.
> I quite honestly have never seen anything like it in IDL. :-)
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

```
IDL> print, !version  
{ x86 Win32 Windows Microsoft Windows 6.3 Mar 23 2006    32    64}  
IDL> plot, sin(findgen(30)*0.135)  
IDL> window, 1  
IDL> plot, cos(findgen(30)*0.135)  
IDL> wset, -2  
IDL> xyouts, 0.5, 0.5, 'Dada', /normal
```

Hi David,

Text legend appears in last window for wset, -2 or wset, -2

Subject: Re: WSet to negative value

Posted by [Wout De Nolf](#) on Tue, 18 Jan 2011 10:17:45 GMT

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```
IDL> print, !version  
{ x86_64 linux unix linux 8.0 Jun 18 2010    64    64}  
IDL> plot, sin(findgen(30)*0.135)  
IDL> window, 1  
IDL> plot, cos(findgen(30)*0.135)  
IDL> wset, -1  
IDL> xyouts, 0.5, 0.5, 'Dada', /normal ; appears in window 1  
IDL> wset, -2  
% WSET: Window is closed and unavailable.  
% Execution halted at: $MAIN$
```

Subject: Re: WSet to negative value

Posted by [Brian Daniel](#) on Tue, 18 Jan 2011 12:49:52 GMT

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On Jan 18, 5:17 am, Wox <s...@nomail.com> wrote:

```
> IDL> print,!version
> { x86_64 linux unix linux 8.0 Jun 18 2010    64    64}
> IDL> plot, sin(findgen(30)*0.135)
> IDL> window, 1
> IDL> plot,cos(findgen(30)*0.135)
> IDL> wset,-1
> IDL> xyouts,0.5,0.5,'Dada',/normal ; appears in window 1
> IDL> wset,-2
> % WSET: Window is closed and unavailable.
> % Execution halted at: $MAIN$
```

I get the same result.

```
IDL> print,!version
{ x86_64 darwin unix Mac OS X 7.1.1 Aug 19 2009    64    64}
IDL> plot,sin(findgen(30)*0.135)
IDL> window,1
IDL> plot,cos(findgen(30)*0.135)
IDL> wset,-1
IDL> xyouts,0.5,0.5,'Dada',/Normal ; appears in window 1
IDL> wset,-2
% WSET: Window is closed and unavailable.
% Execution halted at: $MAIN$
```

Subject: Re: WSet to negative value

Posted by [David Fanning](#) on Tue, 18 Jan 2011 13:59:37 GMT

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Brian writes:

> I get the same result.

Alright. Well, it's always surprising what you learn about IDL. :-)

This is certainly helping to keep the dirty fingers off my widget display windows. Thanks for everyone's help.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.

Subject: Re: WSet to negative value

Posted by [Paul Van Delst\[1\]](#) on Tue, 18 Jan 2011 20:33:05 GMT

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VP wrote:

```
> IDL> print, !version
> { x86 Win32 Windows Microsoft Windows 6.3 Mar 23 2006    32    64}
> IDL> plot, sin(findgen(30)*0.135)
> IDL> window, 1
> IDL> plot,cos(findgen(30)*0.135)
> IDL> wset, -2
> IDL> xyouts,0.5,0.5,'Dada',/normal
>
> Hi David,
>
> Text legend appears in last window for wset, -2 or wset, -2
```

```
IDL> print, !version
{ ibmr2 AIX unix AIX 6.4 Mar 24 2007    64    64}
IDL> plot, sin(findgen(30)*0.135)
IDL> window, 1
IDL> plot,cos(findgen(30)*0.135)
IDL> wset, -2
% WSET: Window is closed and unavailable.
% Execution halted at: $MAIN$
IDL> wset, -1
IDL> xyouts,0.5,0.5,'Dada',/normal
```

Similarly with VP, the text appears in last window for "wset, -1". But, as you can see, "wset, -2" generates an error.

Doing

```
IDL> wset,0
IDL> wset, -1
IDL> xyouts,0.5,0.5,'Dada',/normal,charsize=4
```

put a big "Dada" on window #1 (not 0). Looks like "wset, -1" picks the last window opened/created.

Sort like how IDL v8 has the -1 array index capability to indicate the last item in an array.....
<ehem>

cheers,

paulv
