
Subject: Yet Another IDL 8.2.3 Anomoly with Window Refresh
Posted by [David Fanning](#) on Tue, 18 Jun 2013 17:04:51 GMT
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Folks,

I have some function graphics code that produces a box axes on a map. Because this involves a lot of "after the fact" manipulation, I usually turn window refreshing off so the user doesn't have to see all the machinations. But, the window refresh has seemingly gone South in IDL 8.2.3.

Here is an example program. It works perfectly until you set the REFRESH keyword. Then, you just see a big cross in the graphics window. :-(

```
.*****  
,  
PRO Window_Refresh_Bug, Refresh=refresh  
win = Window()  
IF Keyword_Set(refresh) THEN win.refresh, /Disable  
mp = Map('Equirectangular', CENTER_LONGITUDE=180, $  
    BOX_AXES=1, GRID_LATITUDE = 30, GRID_LONGITUDE = 45, $  
    LABEL_POSITION=0, LIMIT=[-89.99, 0, 89.99, 360], CURRENT=win)  
mp['Latitudes'].label_angle=90  
mp['Longitudes'].label_angle=0  
grid = MapGrid( $  
    LONGITUDE_MIN=0, LONGITUDE_MAX=360, $  
    LATITUDE_MIN=-90, LATITUDE_MAX=90, $  
    GRID_LONGITUDE=45, GRID_LATITUDE=30, $  
    LABEL_POSITION=1, CURRENT=win)  
FOREACH g,grid.latitudes DO g.label_angle=270  
FOREACH g,grid.longitudes DO g.label_angle=0  
c = MapContinents(Color=!Color.red)  
IF Keyword_Set(refresh) THEN win.refresh  
END  
.*****  
,
```

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: Yet Another IDL 8.2.3 Anomoly with Window Refresh

Le mardi 18 juin 2013 19:04:51 UTC+2, David Fanning a écrit :

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> Cheers,
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> David
>
> --
>
> David Fanning, Ph.D.
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> Fanning Software Consulting, Inc.
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> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
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> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

```

If you manually push the third button from the left in the window, you get the right plot!
 Very strange.
 alain.

Subject: Re: Yet Another IDL 8.2.3 Anomoly with Window Refresh
 Posted by [David Fanning](#) on Tue, 18 Jun 2013 18:37:17 GMT
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alx writes:

```

> If you manually push the third button from the left in the window, you get the right plot!

```

Yikes!

> Very strange.

Indeed. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Subject: Re: Yet Another IDL 8.2.3 Anomoly with Window Refresh
Posted by [Mark Piper](#) on Tue, 18 Jun 2013 19:19:43 GMT

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Unfortunately, we caught this just before the 8.2.3 release. It's narrow -- you need to disable/enable the refresh on a window that has a map projection with limits defined. Here's a simple reproduce case:

```
w = window()
w.refresh, /disable
m = map('Mercator', current=w, limit=[30, -40, 60, 40])
w.refresh
```

Chris already fixed this, though! Please grab these two files:

```
ftp://download.exelisvis.com/groups/esg/dropoff/map.pro
ftp://download.exelisvis.com/groups/esg/dropoff/mapprojectio n__define.pro
```

and drop them into the lib/graphics directory.

mp

Subject: Re: Yet Another IDL 8.2.3 Anomoly with Window Refresh
Posted by [David Fanning](#) on Tue, 18 Jun 2013 19:33:37 GMT

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Mark Piper writes:

> Unfortunately, we caught this just before the 8.2.3 release. It's narrow -- you need to disable/enable the refresh on a window that has a map projection with limits defined. Here's a simple reproduce case:

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> Chris already fixed this, though! Please grab these two files:
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> ftp://download.exelisvis.com/groups/esg/dropoff/map.pro
> ftp://download.exelisvis.com/groups/esg/dropoff/mapprojection__define.pro
>
> and drop them into the lib/graphics directory.
```

Works great. Thanks, Mark!

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: Yet Another IDL 8.2.3 Anomoly with Window Refresh

Posted by [Michael Galloy](#) on Tue, 18 Jun 2013 20:07:10 GMT

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On 6/18/13 1:19 PM, Mark Piper wrote:

> Unfortunately, we caught this just before the 8.2.3 release. It's narrow -- you need to disable/enable the refresh on a window that has a map projection with limits defined. Here's a simple reproduce case:

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```

>
> and drop them into the lib/graphics directory.

Great, thanks for quick fixes! By the way, will these fixes be collected somewhere, besides the next release?

Mike

--

Michael Galloy

www.michaelgalloy.com

Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Research Mathematician

Tech-X Corporation

Subject: Re: Yet Another IDL 8.2.3 Anomoly with Window Refresh

Posted by [Mark Piper](#) on Tue, 18 Jun 2013 20:35:26 GMT

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On Tuesday, June 18, 2013 2:07:10 PM UTC-6, Mike Galloy wrote:

>
> Great, thanks for quick fixes! By the way, will these fixes be collected
> somewhere, besides the next release?
>

You're welcome, Mike & David! I'm planning a blog post with a zip file overlay, but I'd like to wait to see if the PDF/EPS issue mentioned in another thread has a PRO code fix.

mp
