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Subject: Re: Overplot cgplots in graphics window

Posted by [morganlsilverman](#) on Mon, 28 Oct 2013 17:08:17 GMT

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On Monday, October 28, 2013 11:25:45 AM UTC-4, David Fanning wrote:

> Morgan Silverman writes:

>

>

>

>> I have several data sets of trajectories that I want to plot together in one graphics window. I am able to rerun the code and have it overplot in the display window but I'm not able to save that. I've tried creating a resizable graphics window but because the cgplots commands are in a loop, IDL continually displays new graphics windows and then crashes. Is there a way that I can rerun my code with a new data set each time and overplot on the same map and then save the

>

> graphic without having to just copy and paste my code 3x in the same program?

>

>

>

> Well, of course. :-)

>

>

>

> Not sure how you found yourself in this mess (I don't see in the code

>

> you provide where you are creating the cgWindow), but the general method

>

> for loading a cgWindow with lots of commands and then making a plot of

>

> it looks like this, in general:

>

>

>

> ;-----

>

> cgWindow

>

> cgControl, Execute=0

>

> cgPlot, cgDemoData(1), YRange=[0,100], /AddCmd

>

> cgLoadCT, 33, NColors=4, Bottom=1

>

> FOR j=0,3 DO BEGIN

>

>   cgPlotS, cgDemoData(17), Color=Byte(j) + 1B, /AddCmd

>

> ENDFOR

```

>
> cgControl, Execute=1
>
> cgControl, Output='overplots.png'
>
> END
>
> ;-----
>
>
>
> Create the cgWindow, turn updating off while you add a bunch of
>
> commands. Then turn window updating on and create the output.
>
>
> 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.")

```

Sorry, I forgot to mention that the included code was in a procedure and the main program had  
cgWindow, 'Plot\_DAQ\_Trajectories', wbackground='white', wxsize=600, wysize=500,  
wtitle='Westerly Flow'

I still have several questions and some clarification though. In your example using cgWindow, you use cgPlot to begin. When I try to apply this to my code I get data plotted but no map background because cgPlot doesn't allow map=mapCoord. Is this correct or do I have things in the wrong order.

Also, to clarify. Once I have completed the loop, what I need to do is rerun the entire code with a new dataset going through the same calculations and plotting loop. At the moment this creates a new window, but I want to put in the same window as the first time I ran the code. Is this possible?  
Thanks.

-Morgan

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