

---

Subject: Map graphics

Posted by [Ben Tupper](#) on Wed, 03 May 2000 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hello,

I have a widget routine which displays a map (using Map\_Set, etc.) with vector overlays. The routine user can call another widget application

that displays some direct graphics plots using !P.Multi = [0,2,2].

When the user returns to the main routine, plotting the earlier vector overlays on the map shows that the plotting parameters have changed. All of the vectors get squished toward the center of the graphic.

Before starting the second routine, I have saved a copy of !P.Multi, !X.S, !Y.S, and !Map. Each of these is restored after the second routine is closed. Short of calling Map\_Set again, is there a way I can save the mapping/plotting parameters and restore them later?

Thanks!

Ben

--

Ben Tupper

Bigelow Laboratory for Ocean Science  
tupper@seadas.bigelow.org

pemaquidriver@tidewater.net

---

---

Subject: Re: Map graphics

Posted by [Ben Tupper](#) on Wed, 03 May 2000 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

"Liam E.Gumley" wrote:

> Ah the joy of global variables....

>

> One way to handle this problem is to 'refresh' the map projection by  
> calling MAP\_SET with the /NOERASE and /NOBORDER keywords to re-create  
> the map projection whenever you select the graphics window which  
> contains the map plot.

>

> If you decide to go the system variable route, I would save !X, !Y, !Z,  
> !P, and !MAP for each graphics window. I use this technique in my IDL

> frame tools which allow you to create a map projection in one frame, a  
> multiple panel plot in the next frame, and then switch between them with  
> no problems:  
> <http://cimss.ssec.wisc.edu/~gumley/frame.html>  
>  
>

Thanks!

--

Ben Tupper

Bigelow Laboratory for Ocean Science  
[tupper@seadas.bigelow.org](mailto:tupper@seadas.bigelow.org)

[pemaquidriver@tidewater.net](mailto:pemaquidriver@tidewater.net)

---

---

Subject: Re: Map graphics

Posted by [Liam E. Gumley](#) on Wed, 03 May 2000 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Ben Tupper wrote:

> I have a widget routine which displays a map (using Map\_Set, etc.)  
> with vector overlays. The routine user can call another widget  
> application  
> that displays some direct graphics plots using !P.Multi = [0,2,2].  
> When the user returns to the main routine, plotting the earlier vector  
> overlays on the map shows that the plotting parameters have changed.  
> All of the vectors get squished toward the center of the graphic.  
>  
> Before starting the second routine, I have saved a copy of !P.Multi,  
> !X.S, !Y.S, and !Map. Each of these is restored after the second  
> routine is closed. Short of calling Map\_Set again, is there a way I  
> can save the mapping/plotting parameters and restore them later?

Ah the joy of global variables....

One way to handle this problem is to 'refresh' the map projection by calling MAP\_SET with the /NOERASE and /NOBORDER keywords to re-create the map projection whenever you select the graphics window which contains the map plot.

If you decide to go the system variable route, I would save !X, !Y, !Z, !P, and !MAP for each graphics window. I use this technique in my IDL frame tools which allow you to create a map projection in one frame, a multiple panel plot in the next frame, and then switch between them with

no problems:  
<http://cimss.ssec.wisc.edu/~gumley/frame.html>

Cheers,  
Liam.

---