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Subject: Re: Save 2D conversion matrix

Posted by [Benjamin Hornberger](#) on Mon, 07 Nov 2005 15:38:16 GMT

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Peter Albert wrote:

> Hi all,  
>  
> I am currently working on the display of climate datasets. One window  
> shows a map with e.g. some monthly mean values. My plan now is to let  
> the user pick a location using CURSOR, and then to display a time  
> series at the chosen point in a second window. O.k., I can get the  
> latitude / longitude of the chosen point using CONVERT\_COORD, then I  
> can pick the appropriate time series and plot it in the second window.  
> However, if I am now going back to the map window, the correlation  
> between device and data coordinates is of course gone. If it was 3D  
> data, I would use T3D, but this is plain 2D data and don't see the  
> appropriate feature in the documentation. Any help which would save me  
> from re-drawing this map over and over again would be appreciated.  
>  
> N.b. this is all done using direct graphics. Is this finally the reason  
> to go ahead and read the manual about OO graphics?  
>  
> Cheers,  
>  
> Peter  
>

I use the routines savesysvar.pro and restsysvar.pro from the FZ Juelich library

( [http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_lib\\_intro.html](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html)) to save the corresponding system variables. Right after plotting, do savesysvar, right before calling convert\_coord do restsysvar.

Benjamin

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