Subject: new graphics map coords
Posted by Paul[3] on Sat, 29 Jan 2011 00:10:32 GMT
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I wish to contour some global data in a Robinson projection, and then
put a zonal mean plot of the same data to the right of the Robinson
projection. However, the Robinson projection distorts latitudinally,
so the zonal mean curves aren't quite lined up with the corresponding
features on the Robinson projection.
Is there a way to have my zonal mean plot for each projection have the
same vertical coordinates as the Robinson projection so that the two
are directly comparable side-by-side? (I've tried using the
CONVERTCOORD method...)

Subject: Re: new graphics map coords
Posted by chris_torrence@NOSPAM on Mon, 31 Jan 2011 19:57:59 GMT
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On Jan 28, 5:10 pm, Paul <paulsta...@gmail.com> wrote:
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> put a zonal mean plot of the same data to the right of the Robinson
> projection. However, the Robinson projection distorts latitudinally,
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> same vertical coordinates as the Robinson projection so that the two
> are directly comparable side-by-side? (I've tried using the
> CONVERTCOORD method...)

Hi Paul,
In IDL 8.1 you will be able to plot onto a map projection using the
Plot() function, and it will warp the plot data to that projection.
For right now, you might try added a new map projection next to your
existing map, and then using the Polyline() function to plot the
actual points. However, I'm not sure how you would add the Axis...
-Chris
ITTVIS

Subject: Re: new graphics map coords
Posted by Paul[3] on Tue, 01 Feb 2011 21:53:26 GMT
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On Jan 31, 12:57 pm, Chris Torrence <gorth...@gmail.com> wrote:
> On Jan 28, 5:10 pm, Paul <paulsta...@gmail.com> wrote:
>

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> actual points. However, I'm not sure how you would add the Axis...
> -Chris
> ITTVIS

Thanks, Chris. You folks there at ITT are great.
Clever workaround with the polyline. I'll see if I can do that w/o
warping it horizontally.
