Subject: Re: overplotting contours on a map
Posted by chris_torrence@NOSPAM on Mon, 07 Mar 2011 21:43:00 GMT

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On Mar 1, 12:22 pm, "barry.baker" <barry.d.ba...@gmail.com> wrote:
> I just upgraded to idl 8 and was playing around with it. I was trying
> to overplot some contours onto a map and when I do this the graphics
> window resizes the map itself and doesn't plot the contours. I can do
> this the old way using the procedure but I was trying to use the newer
> functions. here is the code I have
>
> map = MAP('Cylindrical Equal Area', LIMIT =
> [floor(min(lat)),floor(min(lon)),ceil(max(lat)),ceil(max(lon))])
> grid = map.MAPGRID
> grid.LABEL_POSITION = 0
> grid.LINESTYLE = "dotted"
> grid.LABEL_ANGLE= 0
> m1 = MAPCONTINENTS(/USA, FILL_COLOR="white", COMBINE=0)
>
> mm = contour(reform(uint[*,*,6,0]),lon,lat,/overplot)
>
> here lon and lat both 2x2 matrices the same size as the first two
> elements in uint. any help would be appreciated.

Hi Barry,
I think this is really close. You just need to add
GRID_UNITS='degrees' in your CONTOUR() call.
-Chris
ITTVIS