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Subject: Re: Grid lines misaligned when using CONTOUR and MAP\_SET

Posted by [Matt Francis](#) on Fri, 08 Mar 2013 00:41:32 GMT

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On Friday, 8 March 2013 11:03:55 UTC+11, Coyote wrote:

>> It's a little bit difficult to tell, but I think so. Here is an example on an image produced using an ancestor of my current code that shows the same issue, presumably for the same reasons. Note that the LON=110 and LON=180 grid lines are offset a little, the same for the latitude grid lines in a way suggesting the MAP\_GRID is leaving room for some annotation or border.

>  
>  
>  
> OK, yes, MAP\_SET "cheats" a little bit and leaves a bit of a border. You can see it more dramatically like this:

>  
>  
>  
> cgmap\_set, 0, 180, /continents, /cylindrical, position=[0.1, 0.1, 0.9, 0.9]  
>  
> cgcontour, cgdemodata(7), indgen(360), indgen(360)/2.0-90, /overplot, \$  
>  
> position=[0.1, 0.1, 0.9, 0.9], /FILL  
>  
> cgmap\_continents

>  
>  
> Another reason, I guess, to prefer Map\_Proj\_Init although that has its own problems with these global data sets. But, for a place like Australia it should work fine.

>  
>  
>  
> David

Great thanks. Using the cgMap object with 'Equirectangular' seems to do the job nicely.

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