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

Posted by [Matt Francis](#) on Thu, 07 Mar 2013 23:59:37 GMT

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On Friday, 8 March 2013 10:47:22 UTC+11, Coyote wrote:

> Bogdanovist wrote:

>

>> Actually I am using cgContour, but I get the same behaviour using the vanilla versions or their CG equivalents. I posted the question using the vanilla ones for simplicity (since the results for this issue were the same).

>

>

>

> Humm. It is hard to me to visualize the problem, I guess. Do these two lines of code show the problem?

>

>

>

> cgcontour, cgdemodata(7), position=[0.1, 0.1, 0.9, 0.9], /FILL

>

> cgmap\_set, 0, 180, /continents, /cylindrical, position=[0.1, 0.1, 0.9, 0.9], /noerase

>

>

> David

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.

<http://www.ips.gov.au/Images/Satellite/Total%20Electron%20Content/TEC%20Regional%20Map/TECRegionalMap.png>

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