
Subject: Re: Grid lines misaligned when using CONTOUR and MAP_SET

Posted by [DavidF\[1\]](#) on Fri, 08 Mar 2013 00:03:55 GMT

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> 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
