
Subject: MAP_SET annoyances
Posted by [bowman](#) on Tue, 08 Sep 1998 07:00:00 GMT
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Annoyance #1:

If I do:

```
WINDOW, XSIZE = 400, YSIZE = 400
MAP_SET, 90, 0, -90, /AZIMUTHAL, LIMIT = [0, 0, 90, 360], /ISOTROPIC, $
  /GRID, GLINESTYLE = 0L, LATDEL=30, LONDEL=90, /CONTINENTS
```

I get a polar-equidistant plot of the northern hemisphere. It has the annoying rectangular border, which is supposed to be 1% larger than the map. In this case, however, there is a small space between the map and the border on the left and right sides, but the top and bottom edges of the map are flush with the border. (So is it isotropic or not?)

Anyway, if I turn off the border with:

```
MAP_SET, 90, 0, -90, /AZIMUTHAL, LIMIT = [0, 0, 90, 360], /ISOTROPIC, $
  /GRID, GLINESTYLE = 0L, LATDEL=30, LONDEL=90, /CONTINENTS, /NOBORDER
```

The map gets a little bit larger (as expected), but now a few lines of pixels at the top and bottom of the map are cut off!

Anyone know why it does this or how to fix it?

Annoyance #2:

I would like to have the title and outermost latitude ring of the map be black, while the interior latitude and longitude lines are, say, gray. So I try:

```
MAP_SET, 90, 0, -90, /AZIMUTHAL, LIMIT = [ 0, 0, 90, 360], /ISOTROPIC, $
  TITLE = title
MAP_CONTINENTS, COLOR = 64
MAP_GRID, GLINESTYLE=0, LATDEL=30, LONDEL= 90, COLOR = 64 ;Draw gray grid
MAP_GRID, GLINESTYLE=0, LATDEL=90, LONDEL=360 ;Draw black grid
```

But MAP_GRID insists on drawing at least one longitude line, in this case along the Greenwich meridian.

Anyone know how I can turn that off?

Annoyance #3:

If I make a simple global cylindrical-equidistant map:

```
MAP_SET, 0, 0, /CYLINDRICAL, LIMIT = [-90, -180, 90, 180], /CONTINENTS, $  
  TITLE = title, /NOBORDER  
MAP_GRID, GLINESTYLE=0, LONDEL=90, LATS=[-89.99, -60, -30, 0, 30, 60, 89.99]
```

The rightmost meridian (along the dateline), and sometimes the leftmost meridian, are not straight lines!

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