Subject: MAP_SET annoyances Posted by bowman on Tue, 08 Sep 1998 07:00:00 GMT View Forum Message <> Reply to Message

Annoyance #1:

If I do:

WINDOW, XSIZE = 400, YSIZE = 400MAP 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!

Ken Bowman

--

Dr. Kenneth P. Bowman, Professor Department of Meteorology Texas A&M University College Station, TX 77843-3150 409-862-4060 409-862-4466 fax bowmanATcsrp.tamu.edu Replace AT with @