
Subject: Re: map_set problem

Posted by [K. Bowman](#) on Wed, 24 Nov 2004 15:32:26 GMT

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In article <co1nul\$7j3s\$1@zam602.zam.kfa-juelich.de>,
Reimar Bauer <R.Bauer@fz-juelich.de> wrote:

> Dear all
>
> please could someone try the following example:
>
>
> The first grid line is not continous it is shifted about one pixel on my
> screen. Did you see the same behaviour?

Hi Reimar,

I have completely given up on trying to use MAP_GRID to draw grids for
cylindrical projections. I always have problems at the left and right
edge and near the poles.

No amount of whining in this news group has helped. ;-)

The only approach I have found that works is something like the example
below. It is not general, but could be made so.

Ken Bowman

MAP_SET, /CYLINDRICAL, /ISOTROPIC, /CONT, /NOBORDER

```
xy1 = CONVERT_COORD(-180.0, -90.0, /TO_NORMAL) ;Lower left corner
xy2 = CONVERT_COORD( 180.0,  90.0, /TO_NORMAL) ;Upper right corner
x1 = xy1[0]
x2 = xy2[0]
y1 = xy1[1]
y2 = xy2[1]
```

```
nx = 4
dx = (x2 - x1)/nx
FOR i = 0, nx DO PLOTS, x1 + i*[dx, dx], [y1, y2], /NORMAL
```

```
ny = 6
dy = (y2 - y1)/ny
FOR j = 0, ny DO PLOTS, [x1, x2], y1 + j*[dy, dy], /NORMAL
```
