Subject: Re: contour over a map and 180 degrees off or problems with dateline Posted by David Fanning on Wed, 02 May 2007 18:07:37 GMT

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teich@atmsci.msrc.sunysb.edu writes:

- > I want to contour data on a map projection and have something like
- > this:
- >
- > field=fltarr(72,46)
- > Ion=fltarr(72)
- > lat=fltarr(46)

>

- > My Ion arrary is indexed from -177.5 to +177.5. My lat array is
- > indexed from -89.0, -86.0, ..., +86.0, +89.0.

>

- > After mapset (using default map and centered at 0,0), I do
- > contour, field, lon, lat. What I get is displaced by 180 degrees. If I
- > change my lon to go from 0.25 to 357.5, then the map looks correct,
- > but the contours do not connect at the dateline.

>

> Can anyone help with this?

Can we see the commands you are using to display the map projection and the contour?

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.dfanning.com/

Sepore ma de ni thui. ("Perhaps thou speakest truth.")