
Subject: Re: contour over a map and 180 degrees off or problems with dateline
Posted by [teich](#) on Wed, 02 May 2007 19:20:50 GMT
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Hi David,

When I say displaced 180 degrees, I mean that features on the map that should be at 45 East are at 135 West.

If I keep the lon array as is (i.e., -177.5, ..., +177.5) and use your `field=Shift(field,36,0)` then everything looks in the right location and there is no problem at the dateline. Although this fixed the problem, what if I had an odd number of elements for array lon? Since I compare plots visually, it may be important to get the exact locations. Would you suggest this type of fix (using Shift) for every contour of this type?

I thank you for your help.

Howie

On May 2, 2:52 pm, David Fanning <n...@dfanning.com> wrote:

> t...@atmsci.msrb.sunysb.edu writes:

>> Hi, here are the commands

>

> OK, so what do you mean by "displaced by 180 degrees"?

> Do you mean that the lon vector, which goes from

> -177.500 to 177.5 doesn't really describe where

> the data is located? If you shifted your field

> data in the x direction by 32, would the data look

> correct on your map?

>

> field = Shift(field, 36, 0)

>

> Cheers,

>

> David

> --

> David Fanning, Ph.D.

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

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