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Subject: contour over a map and 180 degrees off or problems with dateline

Posted by [teich](#) on Wed, 02 May 2007 17:51:03 GMT

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Hi,

I want to contour data on a map projection and have something like this:

```
field=fltarr(72,46)
```

```
lon=fltarr(72)
```

```
lat=fltarr(46)
```

My lon array 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?

Thanks,

Howie

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