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Subject: IDL new graphics mapping issue  
Posted by [smkatipan](#) on Thu, 28 Jan 2016 19:59:13 GMT  
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Hello,

I am having trouble getting a contour plot and map to overlap

These are the variables I have:

```
IMG INT = Array[360,180]
LAT1 DOUBLE = -90.000000
LAT2 DOUBLE = 90.000000
LON1 DOUBLE = 0.0000000
LON2 DOUBLE = 359.50000
RLAT DOUBLE = Array[180]
RLON DOUBLE = Array{360}
```

The code I use:

```
m = MAP('Cylindrical', LIMIT=[lat1,lon1,lat2,lon2])
c = MAPCONTINENTS(/CONTINENTS)
tpw = CONTOUR(img,r lon,r lat,OVERPLOT=m)
```

The problem is, the map with continents comes out just fine but when contour plot is overlaid, the entire plot doesn't stretch from one side of the map to the other. Instead, it appears as though the entire plot is compacted in the very center of the map. I'm not sure how to go about fixing this. Is it a scaling issue? Is it because rlon goes from 0 to 360 whereas rlat starts at -90 and goes to 90?

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