
Subject: Re: Function Graphics Map Projection Woes
Posted by [David Fanning](#) on Mon, 19 Sep 2011 15:43:28 GMT
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David Fanning writes:

```
> I have *COMPLETELY* regularly spaced longitude and latitude
> vectors.
>
> IDL> help, lon,lat
> LON          DOUBLE   = Array[96]
> LAT          DOUBLE   = Array[73]
>
> IDL> print, lon
>    0.00000000    3.7500000    7.5000000    11.250000
> 15.000000    18.750000    22.500000    26.250000
> 30.000000...
> IDL> print, lat
>    90.000000    87.500000    85.000000    82.500000
> 80.000000    77.500000    75.000000    72.500000
> 70.000000 ...
>
> I try to display this image in a map projection like this:
>
> imgObj = Image(tnmin, lon, lat, limit=[-90,-180,90, 180], $
>             grid_units=2, map_projection='Cylindrical')
>
> And I get this error:
>
> % IMAGE: X and Y parameters must be evenly spaced
>
> What the @*%$!
```

OK, that error message sucks! What it means is that the vectors have to go from small values to large values. Sheesh!

This code *finally* give me what I want:

```
imgObj = Image(tnmin, lon, Reverse(lat), limit=[-90,0,90,360], $
               grid_units=2, map_projection='Cylindrical')
```

Cheers,

David

--

David Fanning, Ph.D.

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

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