
Subject: Re: Function Graphics Map Projection Woes
Posted by [David Fanning](#) on Mon, 19 Sep 2011 15:33:12 GMT
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David Fanning writes:

```
>
> Folks,
>
> Sigh...
>
> OK, I'm on to my next topic on my list in my effort
> to learn about function graphics: map projections.
>
> Can anyone explain to me why this code only shows
> the Northern hemisphere?
>
> data = Dist(200)
> imgObj = Image(data, limit=[-90,-180,90, 180], $
>   grid_units=2, $
>   map_projection='Equirectangular')
>
> Does *anything* in function graphics work correctly!?
```

Seriously. I am going to absolutely tear my hair out!
Function graphics are so &^\$#ed up they are impossible
to work with!

I have some globally gridded data.

```
IDL> help, tnmin
TNMIN      FLOAT    = Array[96, 73]
```

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 @*%\$!

Cheers,

David

--

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

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