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
--
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.")
