
Subject: Re: Wrapping image on polar projection
Posted by [Vinay](#) on Wed, 26 Feb 2014 21:23:24 GMT
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On Wednesday, February 26, 2014 12:10:38 PM UTC-9, David Fanning wrote:

> Vinay writes:

>

>

>

>> Was anyone out there successful in wrapping images on polar projection using 'cg' routines.
Most of the other examples essentially uses cgCoutour. OK here is where, I got stuck.

>

>>

>

>> My data is similar to the example given in

>

>> http://www.idlcoyote.com/map_tips/warptomap.php

>

>>

>

>>

>

>> -----My code-----

>

>> Filein = 'test1.sav'

>

>> RESTORE, Filein

>

>> Help, image, lats, lons

>

>>

>

>> S = Size(image)

>

>> lat = Rebin(lats, s(1), s(2))

>

>> lon = Rebin(lons, s(1), s(2))

>

>> image1 = Bytscl(image,min = 0.0, max = 0.15,/NaN)

>

>>

>

>> cgDisplay, Title='Polar Projection'

>

>>

>

>> map = Obj_New('cgMap', 'Polar Stereographic', LIMIT=[60, -180, 90, 180], Center_Lat=90,
Center_Lon=180, POSITION=[0.05, 0.05, 0.95, 0.95])

```
>
>>
>
>> warped = cgWarpToMap(Image1, lon, lat, MAP=map, MISSING=0, Resolution=[400, 300],
/ SetRange)
>
>> cgImage, warped, Position=[0.1, 0.1, 0.9, 0.9]
>
>> cgMap_Grid, Map=map, /Label, Color='Blue'
>
>> cgMap_Continents, MAP=map, Color='Blue'
>
>> cgMap_Continents, MAP=map, Color='Blue', /Countries
>
>> -----
>
>>
>
>> It will be great, if anyone has any suggestions!!
>
>
>
> Have you read this article:
>
>
>
> http://www.idlcoyote.com/code\_tips/usegriddata.html
>
>
>
> Cheers,
>
>
> David
>
> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
```

Hi David,

Yes, I know there are other ways to achieve this by using Map_set, Map_Patch, Map_Proj_Init ...etc. I was particularly, interested in using cgWarpToMap and was giving it a try !!!

Thanks,

Vinay
