
Subject: Mapping in IDL 8 Challenge

Posted by [David Fanning](#) on Wed, 22 Sep 2010 20:28:50 GMT

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Folks,

There is an ominous silence today from the new graphics gurus to some of my questions. I suppose the Rockies are playing a game that will get them into the World Series or something.

But, I know how you folks love a challenge. So, here you go. Can anyone figure out how to produce the following figure with the new graphics in IDL 8:

<http://www.dfanning.com/misc/testimage.png>

I've put the image data here:

<http://www.dfanning.com/misc/testimage.img>

And here is the code I use to produce the figure in the old graphics system:

```
.*****  
,  
openr, 1, 'testimage.img'  
image = bytarr(720,600)  
readu, 1, image  
close, 1  
mapStruct = map_proj_init('Lambert Azimuthal', $  
    sphere_radius=6371228.00, $  
    center_lat=90.0, center_lon=0.0)  
window, xsize=720, ysize=600  
loadct, 0  
tv!ct, 255, 255, 255, 0  
tv, image  
plot, [0,1], xrange=[-1440000.0, 1440000.0], $  
    yrange=[-89421.780, 2310578.2], $  
    /nodata, xstyle=5, ystyle=5, $  
    position=[0,0,1,1], /noerase  
map_continents, color=fsc_color('red'), $  
    map_structure=mapStruct, /hires  
map_grid, color=fsc_color('cyan'), $  
    map_structure=mapStruct, thick=2, $  
    lats=[90, 85, 80, 75, 70, 65], /label  
END  
.*****  
,
```

The challenge is to produce this figure (or something comparable) in the new graphics system.

As usual, a hug and a kiss for whoever gets it first.
Oh, wait! I've been a father too long. A beer or something for whoever gets it first. :-)

Cheers,

David

--

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

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