
Subject: Re: google earth projections

Posted by [voorlandt](#) on Wed, 26 Nov 2008 14:01:06 GMT

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- > Does your /cylindrical map projection actually work?
- > For my images (global), it did not. Perhaps you are not plotting
- > near the poles.

Yes the cylindrical map projection works really well. I have my (global) data on a fixed lat/lon grid, and when I plot the country boundaries, they almost perfectly match with google's boundaries in overlay. The transparent function given above does not work for me (the saved file is completely transparent), so I use GIMP to make the background transparent.

Here is my complete code (it uses the Coyote and Catalyst Program Libraries)

```
!P.POSITION = [0, 0, 1, 1] & !P.REGION = [0, 0, 1, 1] & !X.MARGIN =  
[0, 0] & !Y.MARGIN = [0, 0]  
DEVICE, DECOMPOSED=0 & window,1,xsize=5000,ysize=2500 & LoadCT, 22, /  
Silent, NColors=255  
MAP_SET, /Cylindrical, /NOBORDER, LIMIT = [-90, -180, 90, 180],  
Position=[0, 0, 1, 1]  
contour, zzzz, lond,latd, MIN_VALUE=0, MAX_VALUE=1,/FILL,  
NLEVELS=255, /OVERPLOT, C_Colors=indgen(255), Position=[0, 0, 1, 1]  
MAP_CONTINENTS, Color=FSC_Color('black',255) & Map_Grid,  
Color=FSC_Color('black',255)  
image = tvrd(true=1) & write_png, 'file.png', image & wdelete,1
```
