
Subject: Overplot nice looking globe on 2d satellite images
Posted by [Brian Larsen](#) on Sat, 27 Jan 2007 18:11:52 GMT
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All,

I imagine this is not too hard but I haven't been able to figure it out. What I want to do is in the center of a polar contour plot overplot a nice looking globe that can be turned and tilted to the correct perspective and shaded to show where the sun is.

The definition of nice looking depends on the difficulty involved, if it is hard, nice could be something like this
`MAP_SET,90,0,0,/ORTHOGRAPHIC,/ISOTROPIC,/GRID, /CONTINENTS,/HORIZON,
$ E_continents={FILL:1}`
where one could do the shading done with white oceans and back continents on one side and the other way around on the other or the like. But if it isn't too hard nice could be a lot better,

The images that I have are a decreasing intensity profile out around the earth plotted in earth radii looking down from the north pole. So the overplotted globe will fill the 1,1 Re center of the plot that goes from -6,6 or so.

I posted a couple of the images here:

[http://solar.physics.montana.edu/larsen/2001169140009_sims.p ng](http://solar.physics.montana.edu/larsen/2001169140009_sims.png)

Imagine how much better it would look with a globe in the center instead of the boring blacked out circle I have with the line to point to the sun.

One thing that seems hard to do with the map routines (that I am a major novice at using as I really only look at space data with a little earth in the center) are that I see no easy way to make a globe take up -1,1 in a plot and leave the other stuff plotted around it.

I have hunted in the normal places (dfanning.com, michaelgalloy.com, and all) with any luck.

Anyone done something like this before and have a handy post or page somewhere about this?

Cheers,

Brian

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