Subject: Re: Overplot nice looking globe on 2d satellite images
Posted by David Fanning on Sun, 28 Jan 2007 15:47:53 GMT
View Forum Message <> Reply to Message

Brian Larsen writes:

> 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.

In my experience, any map projection that overlaps the pole
and includes the sun is trouble:

   http://www.dfanning.com/map_tips/terminator.html

But maybe this is because I don't understand spherical
geometry worth a damn. :-)

> 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.

Humm. Have you tried the keyword POSITION, NOERASE, and NOMARGIN?
It seems to me that would be about as easy as it comes. You might
need to use CONVERT_COORD to convert data coordinate space into
normalized space for the POSITION keyword, but that is the only
complication I can think of.

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/