Subject: Re: 3D-Plot with geographical coordinates in xy-direction
Posted by David Fanning on Fri, 17 Oct 2003 13:51:59 GMT

Klemens Barfus writes:

> Once again the question from above:
> I try to visualize 3d-data of an atmospheric model. Coordinates in x-
> and y-direction are in geographical coordinates and z is in m.
> I thought of using SCALE3D and Map_set to generate the
> Coordinate-System. This doesn't work, because vertikal lines in the
> coordianate system are not plotted. Horizontal lines look fine, though I
> do not know if it is a buck from the program that it works.
> Does anybody of you working atmospheric data has a tip or some example
> code for me ?

I don't know exactly how to do this, but I do know
I would NOT be using IDL direct graphics to do it.
That's a fool's game, it seems to me. :-)

I think I would try to do something like the Fly-Through
demo, with some kind of map as the base of the elevation
data. Presumably RSI knows how to create map projections
in object graphics. Maybe you could get them to share
that information with the rest of us. :-)

Cheers,

David

P.S. Actually, I think I know how to get something like
a map (I.e., filled continents) in object graphics, but
it is just damn hard and the visualization never gives
me a great deal of confidence in the map's accuracy. :-(

--
David W. Fanning, Ph.D.
Fanning Software Consulting, Inc.
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155