
Subject: Stacking Map Projections for 3D depiction
Posted by [greer.katelynn](#) on Wed, 09 Sep 2009 20:42:24 GMT
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I have a series of stereographic SABER temperature plots (so 2D) on different pressure surfaces and want to present them in a way such that the vertical relationships between two different surfaces can be seen. Up until now, I have been generating the pressure surfaces (or as I call them slices) in IDL and then manipulating them individually in Adobe Illustrator by using some shear commands that make the slices appear that they are hovering over each other (like a deck of cards with an inch of air between each card). This is time consuming (especially for many such plots, not to mention being a rather inelegant solution) and I have been trying to recreate the 3D stacked map projections using IDL. I have looked on several forums and on google for potential solutions in map projections and 3D plotting, but seem unable to find what I need (I don't even know if what I'm doing has a proper name). Do you have any ideas or solutions for presenting data in this way?

Any help/ideas are greatly appreciated.
