
Subject: Remapping into another projection

Posted by [Daniel Peduzzi](#) on Mon, 19 Jul 1999 07:00:00 GMT

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I have two 8-bit 1024x1024 arrays, representing the North and South hemispheres in a polar stereographic projection at the 16th-mesh level. These arrays are full of user-defined region codes in the range [0-3] where 0 denotes off-hemisphere values.

I am interested in plotting these regions codes, in different colors, in the mercator projection. If I could remap the data to another m x n array, and use TV to display it after loading up the color tables, I could then overlay some map outlines using MAP_SET.

I'm not sure that I can use MAP_IMAGE or MAP_PATCH because of the way the latitudes and longitudes are arranged. I do have a separate routine to convert 16th-mesh i, j values to lat-lon pairs, but I'm not sure how to use the lat-lons once I have them.

Can somebody point me in the right direction?

Thanks ahead of time!

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