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Subject: Re: image interplate and overlay lat/lon?

Posted by [David Fanning](#) on Wed, 22 Aug 2012 16:26:11 GMT

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go cats writes:

> My goal is to take an image(s) and overlay geographic lat/lon information onto the image. I have lat/lon information of four boundaries and tried to create a regular grid using them.

>

> I've used David's code to generate a regular lat/lon grid, and tried to interpolate image with gridded lat/lon data.

>

> However, outImage looks blank and only geographin lat/lon data are shown with 0 image pixel values. I am working on 8-bit tif images.

>

> Would anybody give me some tips how to make this work or what I did wrong?

Maybe there are GeoTiff files that use latitude and longitude values for the tie points and scales, but I've never seen any. All the GeoTiff files I've ever worked with use projected meter values and include information about the map projection in the file.

You shouldn't have to do any image interpolation. Basically, what you want to do it just fit a projected map grid around the image itself.

[http://www.idlcoyote.com/map\\_tips/ephemeral.php](http://www.idlcoyote.com/map_tips/ephemeral.php)

Then, you put the parameters of the grid into the appropriate spots in your geoTiff structure and you are good to go.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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