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Subject: Re: how to make lat/long grid for MODIS in IDL  
Posted by [dm\\_gty88](#) on Wed, 30 Oct 2013 07:48:53 GMT  
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Just for an example, using the file in [http://www.idlcoyote.com/map\\_tips/warptomap.php](http://www.idlcoyote.com/map_tips/warptomap.php), I have only peruimage. I want to generate peru\_lat and peru\_lon. How would I do that?

On Wednesday, October 30, 2013 1:52:58 PM UTC+8, dm\_gty88 wrote:

> Thanks for the link but I'm trying to make an array that would contain the latitude values and another to hold the longitude values. Somewhat like given a MODIS 1200x1200 image and its the coordinates for its corners, I will produce two variables containing 1200x1200 arrays with the lat and long values. Can't seem to get a result like that from the procedure you posted.

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> On Thursday, October 10, 2013 9:35:38 PM UTC+8, David Fanning wrote:

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>> dm\_gty88 writes:

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>>> I've been trying to make a 2-dimensional array containing lat and long values for the MOD09A1 (basically georeferencing). I've tried using the map\_proj\_init and map\_proj\_inverse functions but the output is way off the bounds of my tile. Does anyone have a way to do this in IDL? Other software/methods would be okay but it'll be great if I could use IDL for this. The only data I could supply is are the corners of the tile and other metadata in the MODIS file, like sphere

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>> radius. Thanks!

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>> You might be interested in this article:

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>> http://www.idlcoyote.com/map_tips/modis_overlay.html
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>> Cheers,
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>> David
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>> David Fanning, Ph.D.
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>> Fanning Software Consulting, Inc.
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>> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
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>> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
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