
Subject: Re: Reprojecting an image file derived from Level 1B MODIS HDF

Posted by [David Fanning](#) on Mon, 03 Jan 2011 01:42:28 GMT

[View Forum Message](#) <> [Reply to Message](#)

Kasia writes:

> I have an image file that I created using IDL from a Level 1B MODIS
> HDF file. I now need to reproject this image file to display in Google
> Earth, but I'm having a hard time figuring out how to do this. The
> code that generated the image file also outputs a lat/lon for each
> value so I thought that would help since there is geographic
> information contained in the image file. But, that hasn't helped me.
>
> I've tried applying the header information from the original HDF file
> to the new image file using ENVI because I know it can read these
> MODIS files, but that hasn't worked too well. ENVI can reproject the
> MODIS HDF file beautifully but I also need it to do the same for the
> new image file.
>
> All of the projection and lat/lon information in the new image file is
> identical to that of the original MODIS HDF file that I can easily
> reproject in ENVI. I just can't figure out how to add that information
> to the image file so ENVI can do the same sort of magic on the new
> file.

Google Earth wants everything in a simple cylindrical
projection with a WGS84 datum. I would just use Map_Proj_Image
to warp your image, in its native projection, to a
Cylindrical projection.

Here is an article that describes how this can be done:

http://www.dfanning.com/map_tips/warpimage.html

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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