
Subject: Re: AVHRR Image Mapping Problem
Posted by [Matt\[1\]](#) on Fri, 15 Dec 2006 20:07:42 GMT
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Not sure. I use the IDL+ENVI package, which may or may not be able to handle it. I say this because I have never tried doing anything with vector data but the most basic operations in ENVI. Seeing that it's an image analysis program, I would be surprised if it's vector capabilities are very robust. Conversely, if you had ArcGIS you could probably convert your vector data to your required format in 5 minutes.

You could work the problem from the opposite angle, meaning that you could try and adjust the image to fit the projection of the vector data. Can you warp the image to the projection of your country outline (is it geographic)? This is done in envi using `envi_convert_projection_coordinates`, which converts coordinates from one projection to another. I don't know if this is available as another function in stand-alone IDL.

Also, keep in mind that geographic coordinates are no good if you are trying to measure areas or distances. So converting to geographic may not be useful if you are trying to quantify rather than visualize.

Matt

On Dec 15, 2:33 pm, David Fanning <n...@dfanning.com> wrote:

```
> Matt writes:
>> Raster data in Albers centered on Africa
>> Vector data for the world in some other projection, probably centered
>> on the prime meridian
>
>> If you get all this data to a single format (extent of African
>> continent only - not the world, both datasets in Albers with same std
>> parallels), this this could resolve the misalignment...Well, you have identified my problem in a
>> nutshell! :-)
>
> The real question for me and my client is this: can it
> be done in IDL? Any thoughts on that?
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
```

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