
Subject: Re: AVHRR Image Mapping Problem
Posted by [David Fanning](#) on Sat, 16 Dec 2006 15:13:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

Chris Torrence writes:

- > 1. Start iMap.
- > 2. File->Open, open one of your Africa images
- > 3. Double click on the image to bring up property sheet, edit the color
- > table to your liking
- > 4. Insert->Map continents
- > 5. Click on the Map tab on the right, change plot range to lon [-30, +70],
- > lat [-45, +45]
- > 6. (bonus) Window->Data Manager, open your image data, click on GeoTIFF tags
- > node, then click on the GeoTIFF tags property to view the tags.
- >
- > Everything looks fine to me:

Yes, I agree, it looks a hell of a lot better than my attempt with iMap yesterday! But I'm not so sure it's any better than where I started. The color table you have chosen here masks the problem a little bit. If you inverse it, you see the problem more clearly.

This iMap solution did give me a clue to set the CENTER_LAT keyword to 1, if I use the original standard parallels of -19 and 21. I like this better than changing them to -19,9999 and 20.0005 the way I did yesterday.

This gives me more or less what iMap is giving me, but--again--just not quite right. I find I still have to tweak the positions of the corner pixels just slightly to get everything aligned to my satisfaction.

But, a couple of questions about iMap. I don't want to display the original data. I want to display a processed image with a particular set of colors (I think there are 15). So a processed, byte-scaled image with a particular color table. How would I get to this point after reading the GeoTiff file into iMap? Or, would I have to do this in a different way? I think this is what confused me about iMap yesterday.

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.")
