
Subject: AVHRR Image Mapping Problem
Posted by [David Fanning](#) on Fri, 15 Dec 2006 15:42:02 GMT
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Folks,

Does anyone have any experience working with AVHRR NDVI image data or Albers map projection? I have obtained the data, which is of the African continent from here:

<ftp://ftp.glcfc.umd.edu/glcfc/GIMMS/Regional/Albers/Africa>

The image is in an Albers Conical equal area projection and the centers of the four corner pixels are known from the documentation:

; YX coordinates of the four corners (LL, UL, UR, LR)
longitude = [-23.49, -24.6, 64.523, 63.414]
latitude = [-42.243, 43.711, 43.712, -42.242]

This is a GeoTiff file, so I also pull the Standard Parallels out of the geotiff information stored in the file (they are -19 and 21).

I follow the method outlined on this page (which has worked perfectly for a polar stereo map projection), using instead of a Stereo projection, an Albers projection with standard parallels:

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

The method *ALMOST* works! :-)

But the continental outlines do not QUITE line up properly. You can see my result here:

<http://www.dfanning.com/misc/africa.jpg>

Do you think this might be an Albers projection problem? A difference between MAP_PROJ_INIT and MAP_SET? (I have tried different DATUMS with no change in effect.)

Or, do you think this might just be right? :-)

Cheers,

David

P.S. Don't worry about the colors. They are still screwed up.

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

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