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Subject: Re: Need help with map projection conversion in ENVI

Posted by [wita](#) on Tue, 25 Jan 2011 12:46:30 GMT

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Dear Barry,

The approach to be used is first to georeference the image in its original projection (the Mercator projection) which indeed needs the tie point (image row/column number with given lat/lon) and the pixel size which is in decimal degrees for the Mercator projection. The latter means that although coordinates between the pixels step with equal degrees, the real pixel size (in m<sup>2</sup>) changes with latitude. Also you need to associate the Mercator project with your image.

After having georeferenced the image you can check for correctness by overlaying the coastlines (see "create World boundaries"). Converting to a geographic project should then be easy.

I would have to look into it to see how this should be done from the ENVI API, but in general your approach seems OK. Anyway, I would first test it from within the ENVI interface.

Allard

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