
Subject: Re: How to extract pixel values from a GeoTIFF using an Esri Shapefile
Posted by [David Fanning](#) on Sat, 25 Dec 2010 15:34:06 GMT

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Paul Magdon writes:

> I tried your suggestion to use ROI_XRANGE and got the following Error:
> % Keyword ROI_XRANGE not allowed in call to: OBJ_NEW
> As far as I understand the IDL documentation ROI_XRANGE can not be
> set for an IDLanROI object.

Ah, right, I didn't notice that. Sorry. :-)

OK, then I suppose you have to convert the pixel locations into the same units as the ROI (probably lat/lon). If your image coordinates are in projected XY space, then you put them into lat/lon space with Map_Proj_Inverse. Map_Proj_Forward goes the other way.

I tend to *always* work in projection XY space, so I would probably convert the shape file to these coordinates before I stored them in the ROI.

Anyway, if you send me the files, I'll write up an example for you, although I can't promise to be quick about it, unfortunately. Too much going on here, and money is running out faster than my fingers can type. :-)

Cheers,

David

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

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