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Subject: Re: How to extract pixel values from a GeoTIFF using an Esri Shapefile  
Posted by [Paul Magdon](#) on Sat, 01 Jan 2011 18:24:38 GMT  
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On Dec 25 2010, 4:34 pm, David Fanning <n...@dfanning.com> wrote:

> 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  
>  
> --  
> 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.")

Hi,  
In my case both the shape and the raster are in UTM projection which  
is already a Cartesian projection. So why should I convert them into a  
lat/long projection?  
@David: I send send you the example files or is there an option to  
'post' them here?  
Cheers Paul

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