
Subject: Map to data coordinate conversion
Posted by [PMan](#) on Thu, 18 Apr 2013 14:19:48 GMT
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Hello all,

I am looking to convert, given a geotiff image with map info, the lat/lon data to a pixel location in an image.

What I want to do seems pretty easy, but I am having a hard time coding it in IDL for some reason. I must be missing something.

Using the ENVI() API, this was straight forward:

```
oEnvi = envi(/headless)
eMask = oEnvi->openRaster(file)
fid = ENVIRasterToFID(eMask)
envi_convert_file_coordinates, fid, xf, yf, lon, lat
```

with lon, lat being my predefined input and xf, yf being my desired output.

The analogous way to do this in IDL is (I think):

```
img = image(file, /buffer)
xy = img->convertcoord(lon, lat, /to_data)
```

however the image() function won't read the geotiff properly (but ENVI() accepts it just fine). Perhaps my geotiff tag is not properly formed or something. Ideas on another way?
