
Subject: Re: envi_convert_file_coordinates
Posted by [Jean H.](#) on Tue, 04 Aug 2009 18:54:07 GMT
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Hi,

I believe you are using the wrong variable... Your map is in UTM (not too clear though) but you use it as if it was DD...

```
>     envi_open_file, filename, r_fid=De_fid
```

open the file

```
>     map_info = envi_get_map_info(fid =De_fid)
```

get the map info

```
>     fxcent_p=map_info.mc[0]; UTM coordinates defined from center
```

you say it is in UTM

```
>     envi_convert_file_coordinates, De_fid, xmap, ymap, fcornery_dd,  
>     fcornerx_dd
```

You use the fid of the file, so you are converting from UTM to pixel coordinates (by the way "pixel value" refers to the content of the pixel, not its coordinates). However, you are not using UTM coordinates but geographic ones... So basically, you are converting coordinates that are within 180m of the equator and from the central meridian of your UTM zone.

Jean
