

---

Subject: get LAT/LON from georef image  
Posted by [titan](#) on Wed, 11 Feb 2009 10:35:48 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hello! I have a georef image and I would like to extract the LAT and LON values from it.

the dims of my image are not equal, let's say [65,80].

I create two vectors to be associated with the x\_pixel and y\_pixel of the image

```
x_pixel=indgen(65)
y_pixel=indgen(80)
```

I know that there is the envi routine ENVI\_CONVERT\_FILE\_COORDINATES to convert X and Y pixel coordinates into their corresponding X and Ymap coordinates and vice-versa.

Unfortunately it seems to work only if the lat and lon array are of the same dimension in fact if we consider this example I should write

```
envi_convert_file_coordinates, fid, x_pixel, y_pixel, xmap, ymap, /
to_map
```

in this way I should have the respective vector xmap and ymap of lat and lon  
but if I write

```
help, xmap
help, ymap
```

I get

```
LAT_MAP      DOUBLE  = Array[65]
LON_MAP      DOUBLE  = Array[65]
```

two vector of the same dims (in this case 65) and one of 65 elements and the other with 80 elements

Could someone tell me where I'm wrong??Are there any methods to overpass this problem??  
thanks

---