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Subject: shifted .kml created with IDL

Posted by [titan](#) on Mon, 30 Jul 2012 12:25:01 GMT

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Hi all,

I'm creating a .kml starting from a geotiff image. After reading this geotiff file I transformed it as a .png file and then I create the .kml file.

the code I'm using is the following

```
img_tiff=READ_TIFF(file_tiff, GEOTIFF=geotag)
png_fname='test' + tag + '.png'
WRITE_PNG, png_fname, img_tiff,/ORDER

name='kml_test'

openw, lun, kml_file, /get_lun
printf, lun, '<?xml version="1.0" encoding="UTF-8"?>'
printf, lun, '<kml xmlns="http://www.opengis.net/kml/2.2">'
printf, lun, '<GroundOverlay>'
printf, lun, name, format='("<name>", a, "</name>")'
printf, lun, '<Icon>'
printf, lun, png_fname, format='("<href>", a, "</href>")' ;
printf, lun, '</Icon>'
printf, lun, '<LatLonBox>'
printf, lun, ul_lat, format='("<north>", f10.4, "</north>")'
printf, lun, ul_lon, format='("<west>", f10.4, "</west>")'
printf, lun, lr_lat, format='("<south>", f10.4, "</south>")'
printf, lun, lr_lon, format='("<east>", f10.4, "</east>")'
printf, lun, '<rotation>0.0</rotation>'
printf, lun, '</LatLonBox>'
printf, lun, '<drawOrder>10</drawOrder>'
printf, lun, '</GroundOverlay>'
printf, lun, '</kml>'
free_lun, lun
PRINT,'KML file created'
```

The UL and LR coordinates I'm using are calculated in a previous section of the code and they are the following:

```
ul_lat = 47.653348
ul_lon = 8.9734384
lr_lat = 45.292876
lr_lon = 13.830713
```

My problem is that when I open the .kml file it is shifted and is not correctly overlaying with the features likes lake or border lines.

Even if I inserted the coordinates taken from google earth:

```
ul_lat_GE=47.750684
```

```
ul_lon_GE=9.015974
```

```
;
```

```
lr_lat_GE=45.222022
```

```
lr_lon_GE=13.612157
```

I'm still not able to correctly overlay my image :(

Could someone tell me what I'm doing wrong?

thanks in advance

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