
Subject: Re: shifted .kml created with IDL
Posted by [titan](#) on Mon, 30 Jul 2012 12:55:06 GMT
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On Monday, July 30, 2012 2:36:49 PM UTC+2, David Fanning wrote:

> titan writes:

>
>
>

>> 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?

>

>

>

> I would guess the map projection in your GeoTiff

>

> file is different from the map projection Google

>

> Earth uses. You will probably have to convert

>

> your GeoTiff coordinates to the proper map

>

> projection.

>

>
>
> Cheers,
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>
>
> David
>
>
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>
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> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Hi David,
first of all thanks for your answer!
this is how I calculated the coordinates

```
utmMap = MAP_PROJ_INIT('UTM', DATUM=12, ZONE=32)  
lonlat = MAP_PROJ_INVERSE([xLL,yLL,xUR,yUR], MAP_STRUCTURE=utmMap)
```

```
lon_range=[lonlat[0,0],lonlat[0,1]]  
lat_range=[lonlat[1,0],lonlat[1,1]]  
; Set the center of the projection  
c_lat = (lat_range(0) + lat_range(1)) * 0.5  
c_lon = (lon_range(0) + lon_range(1)) * 0.5
```

```
UL_lat=lonlat[1,1]  
UL_lon=lonlat[0,0]
```

```
LR_lat=lonlat[1,0]  
LR_lon=lonlat[0,1]
```

I'm using the DATUM=12 as you suggest here
http://www.idlcoyote.com/map_tips/utmwrong.php
I thought google earth projection was UTM.

If I'm wrong could you please tell me which kind of projection is google earth using?is it a

particular one?
thanks
