
Subject: Re: Question about projection for Google Earth
Posted by [timothyja123](#) on Fri, 09 Aug 2013 04:50:05 GMT
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> All of these details are handled automatically for you in cgImage2KML.
>
> <http://www.idlcoyote.com/idldoc/cg/cgimage2kml.html>
>
> Cheers,
> David

Hi David,

Thanks for the reply. I have already tried to use your procedure however I ran into a problem I wasn't sure how to solve. Your procedure takes an image as an argument which is fine as I can use the image produced by my existing code.

However I then need to supply a map coordinate object (cgMap) from which map projection information and map boundaries for the image overlay can be obtained.

The problem is that your cgMap function says: "Only GCTP projections are allowed. If you wish to use projections normally set up with Map_Set, use the comparable cgMap_Set command. " But that command does not produce the cgMap object that I need for cgImage2KML.

I'm most likely missing something obvious (as I said I'm new to projections and mapping).

I tried using a map_set projection that had a matching GCTP projection MILLER_CYLINDRICAL and using the produced image with cgImage2KML but this didn't seem to work.

```
limit = dblarr(4)  
limit[0] = min(lat)  
limit[1] = min(lon)  
limit[2] = max(lat)  
limit[3] = max(lon)
```

```
polon = limit[1]+0.5*(limit[3]-limit[1])  
map_set, 0,polon,0,/MILLER_CYLINDRICAL,limit=limit, /noborder, xmargin=0,ymargin=0
```

```
contour, values*mask,lon,lat, levels=levels,C_color=c_levels,/overplot,c_labels = 0,/cell_fill,  
min_value = 2
```

```
most_image = tvrd()  
Device, close = 1
```

```
name = 'MOST_max_amplitude.kml'  
outputOverlayFile = filepath(name, root_dir=sourcepath(), subdir=['output'])
```

```
googleMapCoord = Obj_New('cgMap', 'Miller Cylindrical', limit=limit)
cgImage2KML, most_image, googleMapCoord, filename=outputOverlayFile,
LATLONBOX=LATLONBOX
```
