
Subject: Difficulty using cgimage2kml for swath data plotted in a cylindrical (Map_set) projection

Posted by [Jasdeep Anand](#) on Thu, 13 Mar 2014 18:08:14 GMT

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Hey all,

I'm plotting some satellite swath data (individual pixels of varying size and orientation due to viewing geometry), so I have to define the map space first (I'm using cgMap_set/Map_set for this), and then overplot each individual pixel as a filled polygon using cgColorFill/Polyfill. Ideally I would like to convert the finished image into a Google Earth overlay, so I'm trying to use cgImage2KML to do the necessary reprojection & writing to a KMZ.

However, the program requires a projection defined by cgMap, which allows for GCTP projections only. As I'm using cgMap_set's default projection (Cylindrical...?) I can't create the necessary object to pass to the cgImage2KML. Is there any way around this?

Thanks,

Jay.

Subject: Re: Difficulty using cgimage2kml for swath data plotted in a cylindrical (Map_set) projection

Posted by [David Fanning](#) on Thu, 13 Mar 2014 19:34:09 GMT

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Jay writes:

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>
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OK, so you somehow created an image by mapping pixels into a cylindrical map projection. Is this right? Now you have a 2D or 3D image that you want to display as a KML file?

Then, I think it is as simple as this:

```
cgImage2KML, image, Obj_New('cgmap', 'equirectangular')
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
