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Subject: Re: Display and Navigate Image in IDL 8.2  
Posted by [David Fanning](#) on Wed, 12 Sep 2012 21:23:51 GMT  
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Chris Torrence writes:

```
> Does this help?
>
> googleImage = Read_Image('googleimg.png')
>
> XRange = [-11711131d, -11688226d] ; (meters)
> YRange = [4914254d, 4937159.5d] ; (meters)
>
> im = IMAGE(googleImage, /BOX_AXES, GRID_UNITS='meters', $
>   IMAGE_LOCATION=[xrange[0],yrange[0]], $
>   IMAGE_DIMENSIONS=[xrange[1]-xrange[0],yrange[1]-yrange[0]], $
>   MAP_PROJECTION='Mercator', ELLIPSOID='WGS84')
> m = im.mapprojection
> lonlat = m.MapInverse(im.xrange, im.yrange)
> m.limit = [lonlat[[1,0,3,2]]]
>
> At least with IDL 8.2.1, I'm getting an image in "meters", with a box grid. When I click on the
image, and then move the mouse, it reports lat/lon position.
```

Well, the last step has the effect of blurring the image, I think because it causes the image to be warped into the map projection space. To avoid blurring, you have to separate the display of the image from the map projection. Basically, you want to lay the map projection down "on top" of the image.

See the end of this article for a further explanation:

[http://www.idlcoyote.com/ng\\_tips/mapnogrid.php](http://www.idlcoyote.com/ng_tips/mapnogrid.php)

Cheers,

David

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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.")

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