Subject: Re: Display and Navigate Image in IDL 8.2 Posted by David Fanning on Tue, 11 Sep 2012 14:09:09 GMT

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alx writes:

- > You should avoid any warping if you simply OVERLAY the
- > image and the map grid calculated by using exactly the
- > SAME projection as the one which was used when the
- > (projected) image was computed.

I'm not sure exactly what you are talking about now. Here is the code I am using currently. When I substitute OVERPLOT (I assume this is what you mean by OVERLAY) for the CURRENT keyword, my image disappears and I see only a map projection in my display window.

```
img = Image(googleImage, POSITION=[0.1, 0.1, 0.9, 0.9], $
  DIMENSIONS=[700,700])
mp = Map('mercator', ELLIPSOID='WGS 84', $
  CENTER LONGITUDE=centerLon, $
  LIMIT=limit, /BOX AXES, $
  POSITION=[0.1, 0.1, 0.9, 0.9], /CURRENT, $
  GRID LONGITUDE=0.04, GRID_LATITUDE=0.03, LABEL_POSITION=1, $
  LONGITUDE_MIN=-105.18, LATITUDE_MIN=40.54, LINESTYLE=1)
sym = Symbol(centerLon, centerLat, 'star', /DATA, $
  SYM_COLOR='red', SYM_SIZE=3, SYM_FILLED=1)
```

This *does* result in an unblurred image. But, I notice another very strange thing. Even though I use IDENTICAL values to set up the map projection this way, I get **DIFFERENT** results!

What the hell!?

I've been working on this four days now! Every time I try to do something simple in Function Graphics it is like this. It is a friggin' nightmare!

You can run this program to see what I mean. You will see the Coyote Graphics result, and two different Function Graphics results, even though the map projection has been set up in *exactly* the same way!

http://www.idlcoyote.com/tip_examples/mapnogrid.pro

Even if I could get this to work, I don't believe I could ever trust the results!!

Cheers,

David

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

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