

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/mapnograd.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.")
