
Subject: Re: Display and Navigate Image in IDL 8.2
Posted by [lecacheux.alain](#) on Fri, 07 Sep 2012 12:58:18 GMT
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Le vendredi 7 septembre 2012 11:40:10 UTC+2, Klemen a écrit :

> David, I have jsut upgraded to IDL 8.2 so I can test it...

>

>

>

> The code is, I think, ok (I haven't so much experience with Image). The only problem is your definition of you georeference. I think that your ranges are defined for a usual Mercator projection with origin in 0N, 0E. But you have moved your origin to 105.1W, 40.6N. This point should have in map coordinates values 0, 0. This means that below defined range is false:

>

>

>

> XRange: [-11711131.0, -11688226.0] (meters)

>

> YRange: [4914254.0, 4937159.5] (meters)

>

>

>

> You could redefine your range as:

>

> n = 600

>

> res = 38.1757

>

> x = findgen(n)* res - n*res*0.5

>

> y = reverse(x)

>

> xrange = [min(x), max(x)]

>

> yrange = [min(y), max(y)]

>

>

>

> Well, then I get at least something, I am not sure if this is exactlly what you are looking for, but right mouse click gives me at least the proper longitude when I scroll over the image.

>

>

>

> Cheers, Klemen

I unfortunately pressed the button too fast, so that my previous message was sent before that I could finish it.

The trick (that I have found in spite of the cryptic Exelis documentation, but better solutions are

likely to exist) was to consider that any NG building consists in a tree of graphics objects. Then, when plotting your image, the use of the MAP_PROJECTION keyword implies that such a corresponding MAP object is added to the IMAGE one, then that a MAPGRID object should be also available. The latter can be retrieved through the MAPPROJECTION property. Please consider what a simple underline can change to your life !

Now I did not succeed with the BOX_AXES keyword. I leave that for your exercising ...
Alain.
