
Subject: Re: Map_set limits

Posted by [davidf](#) on Tue, 25 Nov 1997 08:00:00 GMT

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> I was trying to superimpose satellite images to a map in IDL 4, and had a
> problem:
>
> I have to set the map's dimensions to the image's to get a good match,
> using the keyword "position" in map_set.
> After several tries I found out that the map limits are enlarged by 2% in
> both directions (long/lat), while the dimensions are unchanged. The result
> is that I get a map of a larger area in the dimensions of my image.

Unfortunately, IDL's map projection routines are not designed to put a map projection on an image. (I am, however, sympathetic to the argument that they *should* be.) Rather, they are designed to put an image on a map projection.

The proper sequence of commands to display an image that corresponds to the limits in the variable "mapLimits" might look something like this:

```
Map_Set, /Cylindrical, Limits=mapLimits
warpedImage = Map_Image(image, xloc, yloc, xsize, ysize)
TV, warpedImage, xloc, yloc, XSize=xsize, YSize=ysize
Map_Grid
Map_Continents
```

Cheers,

David

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