Subject: sec: U Re: Fitting a map to an image Posted by Andrew Cool on Thu, 06 Jun 2002 22:42:21 GMT

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Sean Raffuse wrote:
> Hello.
>
> I have an image of known size and flat geocoordinates. I want to overlay
> the US states vector in a display window on top of the image. My problem is
> that I cannot get the two to match up properly. There seems to be a border
> on the vector, but the image draws to the edge of the window. I tried using
> the noborder keyword on my call to map_set and also tried setting the !x and
> !y margins to zero. No luck. Can you help? Here is the relevant code. . .
> ;set margins to zero
> x margin = !x.margin
> y_margin = !y.margin
> !x.margin = [0,0]
> !y.margin = [0,0]
> ;write output to screen
> Device, decomposed=0
> image = reverse(InArray1, 2)
> LoadCT, 40
> scaledImage = bytscl(image, Min=0, Max=0.5, Top=255)
> window, 0, xsize=nscans, ysize=nlines
> TV, scaledImage
>
> ;setup the map
> xspan = pixelsize*nscans
yspan = pixelsize*nlines
> upperleftlat = mc[3]
> upperleftlon = mc[2]
> lowerlat = upperleftlat - yspan
> rightlon = upperleftlon + xspan
> map_set, limit=[lowerlat,upperleftlon,upperleftlat,rightlon], /noborder,
> /noerase
> map_continents, /usa, color = 254, mlinethick=2
>
> ;write to jpeq
  image = tvread(filename=out_name, /JPEG, /nodialog, Quality=100)
>
```

-Sean Raffuse

Sean,

>

thanks to David Fanning for the tyread procedure

I'd say there's no way that you can just TV an image and *then* call MAP_SET to define the geographic data space!

Try along the lines of :-

- 1. Map_set .. blah,blah
- 2. geo_warped_image = Map_image(image,.. blah,blah)
- 3. TV, geo_warped_image, xpos,ypos.. blah,blah
 - 3. map_continents, /usa, color = 254, mlinethick=2

Andrew

Andrew D. Cool .->-.

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Please remove the crap from my email address to reply ;-)

Subject: Re: U Re: Fitting a map to an image Posted by Sean Raffuse on Thu, 06 Jun 2002 23:06:24 GMT View Forum Message <> Reply to Message

I don't know if this is unwise, but I don't want to warp the image any. It has already been georeferenced once using ENVI. All I need is a window and map setting that matches the image, which has defined size and geocoordinates with geographic lat/lon projection. I'd rather warp the map then the large image.

-Sean

"Andrew Cool" <andrew.cool@dsto.defence.gov.au> wrote in message news:3CFFE54D.EFC98763@dsto.defence.gov.au...

> Sean Raffuse wrote:

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> Andrew
>
  Andrew D. Cool
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