
Subject: Re: Having trouble with code for data to image.
Posted by [David Fanning](#) on Wed, 26 Nov 2008 23:27:35 GMT
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David Fanning writes:

```
> mbweller@gmail.com writes:
>
>> My image is of the western hemisphere of Mars, so lat range is -90 to
>> 90 and lon range =3D -180 to 0 degrees. I would like to present it as a
>> Hemisphere display since that makes the most sense to do.
>
> You can try something like this:
>
> image = BytScl(Dist(400), TOP=254)
> CTLoad, 4, /Brewer, NCOLORS=254
> TVLCT, FSC_Color('ivory', /TRIPLE), 255
> Window, XSIZE=400, YSIZE=400
> Erase, Color=FSC_Color('ivory')
> Map_Set, /Orthographic, 0, -90, $
>   Position=[0.1, 0.1, 0.9, 0.9], /NOERASE
> warp = Map_Image(image, xs, ys, COMPRESS=1, $
>   LATMIN=-90, LATMAX=90, LONMIN=-180, LONMAX=0, $
>   MISSING=255)
> TVIMAGE, warp, Position=[0.1, 0.1, 0.9, 0.9]
> XYOuts, 0.5, 0.055, /NORMAL, '-90', $
>   COLOR=FSC_Color('charcoal'), ALIGN=0.5
> XYOuts, 0.5, 0.915, /NORMAL, '90', $
>   COLOR=FSC_Color('charcoal'), ALIGN=0.5
> XYOuts, 0.09, 0.5, /NORMAL, '-180', $
>   COLOR=FSC_Color('charcoal'), ALIGN=1.0
> XYOuts, 0.915, 0.5, /NORMAL, '0', $
>   COLOR=FSC_Color('charcoal'), ALIGN=0.5
> END
```

Or, I guess, following my own advice:

```
image = BytScl(Dist(400), TOP=254)
CTLoad, 4, /Brewer, NCOLORS=254
TVLCT, FSC_Color('ivory', /TRIPLE), 255
Window, XSIZE=400, YSIZE=400, /FREE
Erase, Color=FSC_Color('ivory')
Map_Set, /Orthographic, 0, -90, $
  Position=[0.1, 0.1, 0.9, 0.9], /NOERASE
warp = Map_Image(image, xs, ys, COMPRESS=1, $
  LATMIN=-90, LATMAX=90, LONMIN=-180, LONMAX=0, $
  MISSING=255)
TVIMAGE, warp, Position=[0.1, 0.1, 0.9, 0.9], /AXES, $
```

```
XRANGE=[-180, 0], YRANGE=[-90,90], ACOLOR='Charcoal'  
END
```

Cheers,

David

--

David Fanning, Ph.D.

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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