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Subject: Re: Having trouble with code for data to image.  
Posted by [mbweller](#) on Wed, 26 Nov 2008 23:58:35 GMT  
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On Nov 26, 3:08 pm, David Fanning <n...@dfanning.com> wrote:

```
> mbwel...@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
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
```

That works perfectly. Thank you!

These are the last two questions, I swear ;) , I'm just incredibly productive right now and want to get it out of the way before the holiday weekend.

How could one leave enough empty window space in order to place the color bar in such a way as to not be placed onto the image? Currently, since the image is displayed in the entirety of the image window, I have to manually increase the window size in order to place it.

And finally,

I'm trying to save the image. I've used:

```
write_jpeg,'EXTENSIONAL STRAIN general.jpeg', tvrd()
```

but it saves it gray scale and I have tried saving it as a postscript:

```
SET_PLOT, 'PS'
```

```
    DEVICE, FILENAME='estrain.ps'
```

```
    PLOT, image_e
```

```
    $ lpr estrain.ps
```

and it gives me what appears to be a histogram analysis and the spheroid from which it came.

I need the highest quality color image possible (It'll be on a poster and the image will be around a ft in size.)

Thanks again, I was running out of time.

~Matt

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