
Subject: Re: Map Function Question

Posted by [lecacheux.alain](#) on Thu, 19 Apr 2012 09:34:28 GMT

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On 18 avr, 18:20, David Fanning <n...@idlcoyote.com> wrote:

```
> David Fanning writes:
>> I have a question about the Map() function. I've read the
>> documentation for the POSITION keyword and it suggests the
>> map should go into the specified position in the window.
>> And yet, it doesn't. It positions itself in the window
>> is a way that preserves the aspect ratio of the map.
>> This is a good thing, sometimes, but it's not what I
>> want just at the moment!
>
>> Is there some way to turn this feature off?
>
> Sorry, I just realized it's not the map that is doing
> this, it is the image!
>
> im = IMAGE(scaledData, x, y, RGB_TABLE=rgb, $
>   POSITION=[0.1,0.1,0.9,0.9])
>
> This image is not going into this position. The map
> is going over the top of the image. Is there a way
> to get the image to honor the POSITION keyword?
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
>
>
```

Well, it seems that the IMAGE function implicitly uses ASPECT_RATIO=1 and then adjust the position.

You can get the correct position by forcing ASPECT_RATIO=0 in the call.

```
im = IMAGE(scaledData, x, y, RGB_TABLE=rgb, X RANGE=xrange,
Y RANGE=yrange, GRID_UNITS='degrees', POSITION=[0.1,0.1,0.9,0.9])
print,im.convertCoord(x[0],y[0],/DATA,/TO_NORMAL)
      0.10000000    0.24925925    0.00000000
im = IMAGE(scaledData, x, y, RGB_TABLE=rgb, ASPECT_RATIO=0,
```

```
XRANGE=xrange, YRANGE=yrange, GRID_UNITS='degrees',  
POSITION=[0.1,0.1,0.9,0.9])  
print,im.convertCoord(x[0],y[0],/DATA,/TO_NORMAL)  
0.10000000 0.10000000 0.00000000
```

One more thing being not clearly documented and which cannot be
guessed !
alx.
