
Subject: Re: TVimage and PlotS

Posted by [David Fanning](#) on Thu, 26 Aug 2004 13:15:12 GMT

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James writes:

> Perhaps you can help me. The problem is - I want to display
> an 2D-image and then overplot the data using PlotS. It looks
> like that:
>
>
> TVIMAGE, image, POSITION=pos, /KEEP_ASPECT_RATIO
> PLOTS, X,Y, COLOR=100
>
>
> I tried to apply DATA or DEVICE keywords but without success.
> How to make the data perfectly fitted with the image ?

PLOTS is used to draw a line in a graphics window.

If you want to draw a line on your image, you have to know where your image **is** in the window. Since you used TVIMAGE to display your image, you **do** know where it is. It is positioned in the window, in normalized coordinates, according to the "pos" variable.

So I would try to draw lines on it in the same normalized coordinates. For example, to draw a line from the lower-left corner of the image to the upper-right corner:

```
PLOTS, [pos[0], pos[1]], [pos[1], pos[3]], /Normal
```

Cheers,

David

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