
Subject: Re: Plotting Axes Over Image.

Posted by [davidf](#) on Mon, 31 May 1999 07:00:00 GMT

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Stephen Plumb (plumb@piffleph.und.ac.za) writes:

- > I have an image displayed in a window (say window1) and I would like to
- > calibrate it by inserting some sort of x and y axes.
- > The problem is that the axes are offset from the window edges. Ideally I
- > would like the x Axis to go straight through the centre of the image (ie y=
- > 768/2), from left edge to right edge, and the y axis to go anywhere as long
- > as it spans the full height of the image. Does anyone have any ideas?

I would try something like this:

```
s = Size(image, /Dimensions)
pos = [0.10, 0.10, 0.95, 0.95]
TVImage, image, Position=pos, /Erase, /Keep_Aspect
Plot, [0, s[1]], [0,s[0]], XStyle=5, YStyle=9, $
  YTickS=8, Position=pos, /NoErase, /NoData
Axis, /XAxis, 0, !Y.CRange[1]/2.0, XStyle=1, XTicks=4
```

You can download the TVImage program from my web page.
It is a replacement for TV. Or, you can download TVScale
if you prefer the TVSCL command (although I don't generally
recommend it unless you understand what you are doing).
But the nice thing about either of these programs is that
the image can be positioned in the window with the
POSITION keyword.

<http://www.dfanning.com/programs/tvimage.pro>

Note that the code above works with any size image and
in any size window. :-)

Cheers,

David

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

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