
Subject: Re: tvimage, imcontour and ps dimensions
Posted by [David Fanning](#) on Sun, 17 Apr 2005 22:36:50 GMT
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Stefano writes:

```
> Here is my code. I get the same problem even if I do not redefine all
> the ! variables.
>
> Thanks,
>
> Stefano
>
> file='file.fits'
> im=readfits(file,hdr)
>
> file2='file2.fits'
> hst=readfits(file2,hdr2)
>
> hextract, hst, hdr2, 100, 480, 220, 460
>
> hastrom, im, hdr, hdr2, MISSING=0
>
> sm=smooth(im,15,/edge_truncate)
>
> set_plot, 'ps'
> device, filename='test_paper.ps', xsize=20, ysize=20, /color
>
> !P.charsize=0.8
> !P.thick=5
> !X.thick=3
> !Y.thick=3
> !P.charthick=3
>
> erase
>
> tvimage,bytsc1(-hst,min=-20,max=0),/keep_aspect, position=pos
>
> imcontour, alog(sm), hdr, nlevels=3, min_value=-0.6, max_value=3,
> position=pos, /TYPE, /noerase,color=fsc_color('black'), subtitle="",
> title="Test"
>
> device, /close_file
```

Ah, right. I see you **were** reading the header documentation.
Sometimes that's the problem. :-)

What you want to do is define the variable "pos" before

you use it in the TVIMAGE command. That will solve
all your problems, I think:

```
pos = [0.1, 0.1, 0.9, 0.9]
tvimage, bytscl(-hst,min=-20,max=0),/keep_aspect, position=pos
imcontour, alog(sm), hdr, nlevels=3, min_value=-0.6, max_value=3, $
  position=pos, /TYPE, /noerase,color=fsc_color('black'), $
  subtitle="", title="Test"
```

Cheers,

David

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