
Subject: Limits of custom axis

Posted by [burkina](#) on Mon, 03 Apr 2006 13:18:08 GMT

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Hi,

I'm plotting an astronomical image with `imcontour`, suppressing two axes:

```
imcontour, alog10(sm), hdr, position=pos, Levels=vals,  
color=fsc_color('white'), TYPE=0,/keep_aspect, /noerase, xstyle=8,  
ystyle=8, XMID=xmid, YMID=ymid
```

I want those two axes to show a distance in pc, instead of arcsec.
That's why I use:

```
axis, xaxis=1, xrange=[9.5*dist, -16.5*dist], xstyle=1, xtitle="pc",  
/save,color=fsc_color('black')
```

where `dist` is the distance in pc corresponding to 1 arcsec for that source.

The problem is that I get the numbers 9.5 and -16.5 directly by eye. I wish I had a command which would return exactly the lower and upper limit of the axis created by `imcontour`.
How can I do that?

I would also like to plot the contours in white, the ticks also in white, but the ticknumbers in black.

All I can do now is to plot the contours in white and then call another time `imcontour` with `/nodata` and plot the rest in black. But I would like to draw the ticks also in white....

Thanks,

Stefano
