
Subject: axis procedure

Posted by [tonym](#) on Wed, 19 Oct 1994 22:40:19 GMT

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We have version 3.6 of idl. I have trying to use the user library `bar_plot` routine. There are bugs in it, but my main finding is this: the axis procedure no longer seems to work as I expect. When placing tickvalues on the axis, the tick coordinates are not interpreted as data or normalized coords. It seems to work like this:

Suppose I want to place tick marks at 0.0, 0.3, and 0.5 along an axis going from 0.0 to 0.1. I thought I could do this:

```
axis,xaxis=0.0,xsty=1,xticks=2,xtickname=['1','2','3'],xtick v=[0.0,0.3,0.5],$  
xrange=[0.0,1.0]
```

BUT, this kind of thing always places the third tickmark at the very right, the first tickmark at the very left and the second tickmark a little right of center. In other words, some sort of scaling is going on which always takes the range of the `xtickv` array and scales to fit so that the first tickmark is always to the left and the last tickmark is to the far right.

This seems very strange! Is this the behaviour with older versions also (I don't recall these problems in the past). In this routine now broken. The documentation does not seem to imply the behaviour I see!

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