
Subject: Re: IDL New Graphics Axis function: bug or feature?

Posted by [Mark Piper](#) on Tue, 23 Oct 2012 17:32:21 GMT

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On Monday, October 22, 2012 6:33:00 PM UTC-6, Manodeep Sinha wrote:

>
> I was trying to add an alternate X-axis to a new graphics plot when I could not place this new
X-axis on the plot no matter how I tried. It turns out that the original data co-ordinate was
established with /YLOG and the AXIS function wanted the location to be set in alog10(yrange[1]).
>

Hi Manodeep,

I think this is a bug. Your statement:

```
a0 = axis('X',location=[0.0,ymax],tickdir=1)
```

should place an x-axis at y=100. I'll write it up.

mp

Subject: Re: IDL New Graphics Axis function: bug or feature?

Posted by manodeep@gmail.com on Tue, 23 Oct 2012 20:21:31 GMT

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On Tuesday, October 23, 2012 12:32:22 PM UTC-5, Mark Piper wrote:

> On Monday, October 22, 2012 6:33:00 PM UTC-6, Manodeep Sinha wrote:

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> mp

Thanks Mark. I figured this was an unintended side-effect.

Cheers,
Manodeep

Subject: Re: IDL New Graphics Axis function: bug or feature?
Posted by [lecacheux.alain](#) on Wed, 24 Oct 2012 07:11:23 GMT
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Le mardi 23 octobre 2012 19:32:22 UTC+2, Mark Piper a écrit :

> On Monday, October 22, 2012 6:33:00 PM UTC-6, Manodeep Sinha wrote:

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>

> mp

I had the feeling, by looking at the AXIS documentation ("When drawing an X axis, the x coordinate is ignored, etc..."), that the coordinate had to be ignored too in the statement. So that:

```
a0 = axis('X',location=[ymax],tickdir=1)
```

seems to work, as well as:

```
a1 = axis('Y',location=[xmax],tickdir=1)
```

in case of Y being log-scaled.

If true, that is definitely a bug, since the starting coordinate of the new axis remains constrained along a direction.

alain.
