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.
```

Subject: Re: IDL New Graphics Axis function: bug or feature? Posted by manodeep@gmail.com on Tue, 23 Oct 2012 20:21:31 GMT View Forum Message <> Reply to Message

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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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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.