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:
>
>>
>> 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]).
>
>>
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>
  Hi Manodeep,
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>
  I think this is a bug. Your statement:
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>
>
    a0 = axis('X',location=[0.0,ymax],tickdir=1)
>
>
>
>
  should place an x-axis at y=100. I'll write it up.
>
>
> 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.
```