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Subject: Re: log plot

Posted by [Norbert Hahn](#) on Mon, 19 Oct 2009 12:00:53 GMT

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Thibault Garel <[thibaultgarel@gmail.com](mailto:thibaultgarel@gmail.com)> wrote:

> Hi,

>

> i am making a plot as follows:

>

> plot,x,y,psym=10,yr=[1.d-8,1.],/ylog

>

> and the graduation does not appear on the y axis whereas it does when

> i change the y range:

Same here.

>

> plot,x,y,psym=10,yr=[1.d-6,1.],/ylog

The distance between the tick mark for 9 and 10 is really short for 6 decades and that could be the reason that the minor tick marks are suppressed when you plot over 8 decades.

Please try

```
plot,x,y,psym=10,yr=[1.d-8,1.],/ylog,ytickinterval=0.5
```

or other values for ytickinterval and see if it works for you.

> So, does anybody know how i can fix this? and for the first case, how

> sould i read the y axis, thats to say even if the graduation does not

> appear, is it still a log scaling?

The scaling is log when you request /ylog. It can easily be verified by plotting some test numbers, i.e.

```
plot,[1e-7,3e-5,2e-6,0.5],psym=10,yr=[1.d-8,1.],/ylog,ytickinterval=0.5
```

HTH

Norbert

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