
Subject: Re: Axis question

Posted by [davidf](#) on Tue, 28 Sep 1999 07:00:00 GMT

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Mirko (loehmann@iep112.nat.uni-magdeburg.de) writes:

```
> I have two sets of data i like to put in one plot with different axis and I
> can
> not find my mistake while using the axis procedure.
> The scaling of the second y -axis is logarithmic
> without setting the /ylog keyword to specify logarithmic Y axis.
>
> IDL> curve=loaddata(1)
> IDL> plot,20*curve+1,ystyle=8,position=[0.15,0.15,0.85,0.95],/ylo g
> IDL> axis,yaxis=1,yrange=[1,35],/save,ytitle='linear axis expected'
> IDL> oplot,curve+1,linestyle=0,psym=-4
>
> I've modified an example from D. Fannings book (its very good - i like it)
> to show what I mean.
```

Humm. Sure enough. Odd.

What I think is happening is that the /YLOG keyword sets a system variable (!Y.Type) that is too "sticky". Or, more likely, it doesn't get reset properly in the code. In any case, you can work around your problem like this:

```
IDL> curve=loaddata(1)
IDL> plot,20*curve+1,ystyle=8,position=[0.15,0.15,0.85,0.95],/ylo g
IDL !Y.TYPE = 0
IDL> axis,yaxis=1,yrange=[1,35],/save,ytitle='linear axis expected'
IDL> oplot,curve+1,linestyle=0,psym=-4
```

Cheers,

David

P.S. Would you like to report this to RSI? :-)

--

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