
Subject: Re: What is going on with the minor ticks on log plots?????

Posted by [davidf](#) on Wed, 26 Aug 1998 07:00:00 GMT

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Joe (Post.Reply@This.News.Group) writes:

> I'm running v5.1 under NT and have noticed the following bad
> behavior. While using the /XLOG key along with even powers of
> 10 for XRANGE and XTICKS set to the proper number of decades
> and xminor set to zero. I either do or do not get the expected
> minor ticks at (2,3,4,5,6,7,8,9). After some experimentation, it
> became apparent that the range specified by XRANGE had to
> fall wholly within the range from 1.000 to 1.e10.

>

> That is

> plot,[1],/nodata,/xlog,xrange=[1,1000],xticks=3,xminor=0

> works, but

> plot,[1],/nodata,/xlog,xrange=[0.1,100],xticks=3,xminor=0

> plot,[1],/nodata,/xlog,xrange=[1.e8,1.e11],xticks=3,xminor=0

> do not!

>

> This strikes me as being arbitrary behavior and, therefore,
> a BUG in IDL. This may actually be a very old bug going back
> several versions of IDL. Does this happen on other platforms?

> It also appears on IDL for Digital Unix as far as I know.

>

> Is there a way around this to force the proper minor ticks no
> matter the bounds of XRANGE. I have not tested this on YRANGE
> but assume there is similar behavior.

I am running Windows NT 4, SP3 on my machine and I find that
all three of these commands work correctly in both IDL 5.1 and
IDL 5.1.1. Could this be a graphics driver problem?

Cheers,

David

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