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

Posted by [Joe\[2\]](#) on Wed, 26 Aug 1998 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi,

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.

Thanks,

JMZ

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

[View Forum Message](#) <> [Reply to Message](#)

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

- > New topic: Why does IDL v 5.1 no longer CD to the source directory
- > of a .pro file when I double click on it from the explorer, but does if
- > I use the IDL:file:open menu to open it? If this is an intentional shift
- > in operating standards - I do not like it. I lose track of my postscript
- > file output now (ends up in the the IDL Source tree root directory).

Some say toe-mah-toe, some say toe-may-toe.

This is now a configurable behavior from within the preferences under the General/Files tab. You can change to the directory in which the file you are opening resides or not. I prefer to open a file, but stay in my working directory, so this is how I have mine set up.

Cheers,

David

David Fanning, Ph.D.
Fanning Software Consulting
E-Mail: davidf@dfanning.com
Phone: 970-221-0438, Toll-Free Book Orders: 1-888-461-0155
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
