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Subject: Re: Log histogram = FAIL

Posted by [chris\\_torrence@NOSPAM](#) on Tue, 03 Aug 2010 18:17:32 GMT

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On Aug 2, 12:17 pm, Haje Korth <hajeko...@gmail.com> wrote:

> Plotting log histograms using new graphics system in IDL does not work  
> right. Try

>

> IDL> a=findgen(10)+1

> IDL> b=10./a^2

> IDL> b[8]=0

> IDL> p=plot(a,b,/histogram,/ylog,yrange=[1.0d-3,10])

>

> Then tell me what happened to the last data point. I understand that 0

> is an illegal log value, but IDL should be smart enough to filter

> this. BTW, this works fine in direct graphics.

>

> Haje

Hi Haje,

The log plot seems to work correctly without the histogram keyword:

```
p=plot(a,b,'-o',/ylog,yrange=[1.0d-3,10])
```

We didn't document the histogram keyword, because we wanted people to start using `barplot()` instead. Unfortunately, for IDL 8.0, `BARPLOT` doesn't handle logarithmic axes. However, I have just fixed the `barplot` code, and it will be available in the next IDL update.

Cheers,

Chris Torrence

IDL Software Development Manager

ITTVIS

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