Subject: Re: Log histogram = FAIL Posted by Haje Korth on Tue, 03 Aug 2010 19:24:12 GMT View Forum Message <> Reply to Message

Chris,

just to confirm to the forum, that it is the histogram keyword that causes the unwanted results. I still had this in memory from the tech preview, but since it is not documented I cannot complain here. :-)

I will test the barplot routine instead. Hopefully one can turn off the sides of the bars so my distributions do not look like cities with sky scrapers.

Haje

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On Aug 3, 2:17 pm, Chris Torrence < gorth...@gmail.com> wrote:
> 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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