Subject: Re: There is NO TRUTH! Re: Histogram Hot-shots Required
Posted by davidf on Wed, 21 Jul 1999 07:00:00 GMT
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Gabriel Rodriguez (gabriel@gbt.tfo.upm.es) writes:

> Maybe the problem is how IDL makes the 'histogram' plot. According to the
> manual setting the PSYM=10 is:
>
> "Histogram mode. Horizontal and vertical lines connect the plotted
> points, as opposed to the normal method of connecting points with
> straight lines."
>
> But it is not clear for me if the point is in the middle of each 'step'
> in the histogram, or to the left or the right of each step.

This is the problem. The point is in the middle of each step.
But the bin goes from the start of one step to the start of
the next.

> From what I see in your plot: if you move the vertical line one half
> 'binsize' or 'step' to the left you might be getting the right value?

Yes, exactly. But if I move the vertical line one half bin size,
then I don't have the right *value*, and that, after all, is what
I am after here. :-) The vertical line is in the right place.
It is the histogram plot that is screwy. Although I realize
no one believes me, I think the ONLY solution is to draw your
own histograms. :-)

> One posible way to see it is displaying a symbol where the exact value
> is.

Exactly. This is, in fact, how I eventually solved the problem.

Cheers,

David

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