
Subject: Re: HISTOGRAM data type bug?

Posted by [Timm Weitkamp](#) on Mon, 14 Jun 2010 08:57:45 GMT

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chris wrote:

```
> Hi,  
> I observed that IDL 6.4 x64 and 7.1 x64 (Windows 7 x64) crashes each  
> time I'd like to do the following:  
>  
> IDL> test_histo_bug  
> % Compiled module: TEST_HISTO_BUG.  
> L      INT      = Array[5, 5]  
> L      DOUBLE   = Array[5, 5]  
> H      LONG     = Array[7]  
>  
> IDL> test_histo_bug,/crashme  
> ->IDL crashes completely  
>  
>  
> pro test_histo_bug,crashme=crashme  
> l=$  
> [[0,0,0,0,0],$  
> [0,1,1,1,1],$  
> [0,1,1,1,1],$  
> [0,1,1,1,1],$  
> [0,1,1,1,1],$  
> [0,1,1,1,2]]  
> help,l  
> l=keyword_set(crashme)? ulong(l) : double(l)  
> h=histogram(l,reverse_indices=r,nbins=7,min=1)  
> help,l,h  
> end  
>  
> Is it possible that HISTOGRAMM can't *handle* ULONG values? May be  
> someone can shed some light on this behaviour?
```

This may not shed much light on it, but:

(1) I can reproduce this crash:

```
IDL> print, !version  
{ x86_64 linux unix linux 7.0 Oct 25 2007    64    64}  
IDL> test_histo_bug  
% Compiled module: TEST_HISTO_BUG.  
L      INT      = Array[5, 5]  
L      DOUBLE   = Array[5, 5]  
H      LONG     = Array[7]  
IDL> test_histo_bug,/crashme  
L      INT      = Array[5, 5]
```

Floating point exception

(2) In the past, I had already seen IDL systematically crashing when I did certain operations with unsigned integer data types (not only ULONG, but also UINT; but I don't remember the operations).

Timm
