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Subject: Re: idl readf error

Posted by [Vince Hradil](#) on Sat, 14 Feb 2009 14:35:48 GMT

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On Feb 13, 10:17 pm, David Fanning <n...@dfanning.com> wrote:

> rollo.tom...@hotmail.com writes:

>> Here's what I have:

>

>> IDL> openr, 1, 'file1.out'

>> IDL> h = strarr(5)

>> IDL> readf, 1, h

>> IDL> close, 1

>> IDL> for j=0,4 do print, h[j]

>> T U 17.81 201 145225.9

>> T U 37.67 191 98975.8

>> T U 21.77 201 129774.9

>> T I 0.65 1 69.5

>> T I 0.36 1 69.3

>

>> By doing this I noticed that the values in the last column get pretty

>> large, so I changed the format to

>> format='(2A2, G7.2, G7.2, G10.2)'

>

>> And I still get the same error.

>

>> The largest values in the numerical columns are:

>> column 3: 272.23

>> column 4: 1000

>> column 5: 145225.9

>

> OK, well, as I expected, that format does not correspond

> to what is in the file. And I am still mystified as to

> why it worked (if it did) initially. The format looks to

> me to be something more like this:

>

> format='(2(A1,7x),F5.2,3x,I3,5x,G8.2)'

>

> Try that and see if you have better luck. :-)

>

> Here is the code I used to read the first line:

>

> IDL> openr, 1, file

> IDL> a="" &b = "" &c=0.0 &d=8 &e=0.0

> IDL> readf, 1, a, b, c, d, e, format='(2(A1,7x),F5.2,3x,I3,5x,G8.2)'

> IDL> print, a, b, c, d, e

> TU 37.6700 191 98975.8

>

> Cheers,

>  
> David  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>  
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

This thread makes me think... Can anyone compare and contrast this approach with the approach I usually use - that is:  
read each line into a string buf: buf = " \$ readf, lun, buf  
then use strsplit(buf,/extract) to chop up the buf  
then use fix, float, etc. to get the values.

I don't usually use format statements for reading, just writing.

Thanks,  
Vince

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