Subject: Re: Help! G4 problem reading ascii data
Posted by David on Mon, 06 Oct 2003 15:28:01 GMT
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Hi all,

It appears as though I'm an idiot. Looking at the data below, I saw that the integer data in column 3 was not quite random, but was related to the inconsistencies in the data in column 2. I tried the same routine, but did not use the "fixed width" option and everything worked fine. I don't know why I didn't try this earlier. I guess I was lulled into believing the fixed width option was what I wanted because it says in parentheses (data is in columns) next to it. Well, my data is in columns and this seemed like the appropriate option. Anyway, it works fine with the "delimited" option.

Sorry to have wasted your time.

Perhaps you got a chuckle out of this as you recalled "I remember when I was that inexperienced with IDL"

David

"David" <dpjackson@yahoo.com> wrote in message
news:A4fgb.214$Yj.177490@monger.newsread.com...
> Hi all,
>
> I am quite new to IDL and I am having what appears to be a serious
> problem with IDL on a G4 Mac. I could really use some help. I read
> the thread about the known G4 problem and it is not clear to me whether
> this problem is related or not. I hope I am doing something stupid and
> someone can point this out to me, but the code is very simple and I am
> stumped.
> I am running IDL 6.0 on a Mac G4 running 10.2.6.
>
> The problem is that when I read ascii data from a file that has more
> than 2 columns, the data does not read properly in columns beyond 1 and
> 2. The data is fine up to array item 255, but after that I get random
> integer data. This sounds somewhat similar to the G4 problem discussed
> earlier so I am wondering if it is the same issue and what I can do about
> it.
>
> Here is the code that I am using:
>
> datatemplate=ascii_template('~jacksond/testdata.txt')
>
 data=read_ascii(filepath('testdata.txt',root_dir='~jacksond'),template=datat
> emplate)
> for i=250,260 do begin

```
>     print, data.field1[i], data.field2[i], data.field3[i], data.field4[i]
> endfor
> END
>
> I have included the data file that I am using.  It is simple 4 columns
> of tab delimited floating point data with 512 entries.  During the
> ascii_template command, I choose "fixed width" on step one and the
> defaults for everything else.  The output of this program looks like
> the following:
>
>      -0.996365    0.0734110      2.00308    0.0737210
>      -0.997232    0.0611700      2.00226    0.0614770
>      -0.997951    0.0489190      2.00159    0.0492240
>      -0.998521    0.0366610      2.00107    0.0369630
>      -0.998941    0.0243960      2.00070    0.0246970
>      -0.999212    0.0121280      2.00048    0.0124270
>      -0.999334 -0.000140000      3.00000      4.00000
>      -0.999306   -0.0124100      5.00000      6.00000
>      -0.999128   -0.0246800      6.00000      9.00000
>      -0.998800   -0.0369500      3.00000      1.00000
>      -0.998322   -0.0492100      5.00000      4.00000
>
> while the output of the command head -n 260 testdata.txt | tail -n 10
>
> -0.996365   0.073411   2.003076   0.073721
> -0.997232   0.061170   2.002258   0.061477
> -0.997951   0.048919   2.001589   0.049224
> -0.998521   0.036661   2.001069   0.036963
> -0.998941   0.024396   2.000701   0.024697
> -0.999212   0.012128   2.000482   0.012427
> -0.999334  -0.000143   2.000414   0.000155
> -0.999306  -0.012415   2.000496  -0.012116
> -0.999128  -0.024686   2.000729  -0.024386
> -0.998800  -0.036953   2.001111  -0.036652
>
> As you can see, the IDL data in columns 3 and 4 "go bad" at array
> element 256.  In fact, I just noticed that in column 2, the data beginning
> ast element 256 is no longer exactly the same as the original.  Weird.
>
> I'd appreciate any help/advice I can get on this problem.
>
> David
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> --
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