
Subject: Re: Reading large Ascii files

Posted by [Martin Downing](#) on Tue, 30 Oct 2001 15:01:12 GMT

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Isa,

I cant reproduce your problem,

here is the output I get from the code below which does output/input of
12500 floats in one line

print, !version

{ x86 Win32 Windows Microsoft Windows 5.5 Beta Jun 20 2001 32 64}

IDL> ascii_io_large_test

values read incorrectly = 0

line length read = 100000

regards

Martin

```
=====
pro ascii_io_large_test
```

```
fn = !fpaths.tmp + "aio_test.txt"
```

```
; create output
```

```
a = findgen(12500)/1000
```

```
; write test file
```

```
openw, lun, fn, /get_lun, width = 500000L
```

```
; write two lines worth
```

```
printf, lun, a, format='(12500F8.3)'
```

```
printf, lun, a, format='(12500F8.3)'
```

```
close, lun
```

```
; define input variables
```

```
b= fltarr(12500)
```

```
line = ""
```

```
; read test file
```

```
openr, lun, fn, /get_lun, width = 10000L
```

```
readf, lun, format='(12500F8.3)', b
```

```
readf, lun, line
```

```
close, lun
```

```
; analyse data
```

```
ids = where(a ne b, count)
```

```
print, "values read incorrectly =", count
print, "line length read =", strlen(line)
```

```
end
```

```
=====
```

```
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```

```
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```

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"Isa Usman" <I.Usman@rl.ac.uk> wrote in message
news:9rma6a\$gbk@newton.cc.rl.ac.uk...

> Hello,

>

> I am trying to read a single row from a large file. The amount of numbers
per

> row is about 12500. So in IDL i have the following lines;

>

> readf, lun, format='(500F8.3)', ch1_val_s

>

> so that i only read 500 values at a time and it gives me the error;

>

> % Input line is too long for input buffer of 32767 characters.

>

> From what i can gather, IDL is trying to read the whole line first before
it

> puts it into the array. Can anybody suggest a way round this please.

>

> Thanks

>

> Isa Usman

>

>

>