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 outpur/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
_____
Martin Downing,
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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 amout of numbers
> 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
```