
Subject: Re: End of File-Error message in simple readf routine - What's the problem?

Posted by [britta.mey](#) on Mon, 20 Aug 2007 07:23:07 GMT

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On 20 Aug., 02:41, "mgal...@gmail.com" <mgal...@gmail.com> wrote:

> On Aug 19, 4:53 am, b...@uni-mainz.de wrote:

>

>

>

>> Hello,

>

>> i'm sorry to post a new message, but i did not find the answer to my
>> question, when i searched for it (or i did not use the fitting words
>> for the search).

>

>> I try to read the values of a file with three columns and 2072758 rows
>> (the file was created from a bmp-picture by the routine read_bmp).

>

>> My code is as follows:

>

>> file='E:\Dissertation\mz_cam\spectral_calib\dat-files
>> \070807\run24\070807_24_0013.dat'

>

>> n_pixel= 2072758

>> n_channels=3

>

>> dummy_ein=fltarr(n_channels)

>> dummy = "

>

>> r=fltarr(n_pixel)

>> g=fltarr(n_pixel)

>> nir=fltarr(n_pixel)

>

>> close, 1

>> openr,1, file

>

>> for i=0, n_pixel-1 do begin

>> readf, 1, dummy_ein

>> g(i)=dummy_ein(0)

>> r(i)=dummy_ein(1)

>> nir(i)=dummy_ein(2)

>> endfor

>

>> end

>

>> Could the problem be related to the array length? I mean that there
>> are too many values for an array? I checked the number of values

```
>> several times, so i am quite sure that the number for n_pixel is
>> correct.
>
> To keep the loop, you definitely need the "L", that should fix the
> "loop expression too large for loop variable type." error.
>
> You didn't mention what the original problem was though. You did
> mention later that there was an "end of file error." So I would make
> sure there really are n_pixel number of rows in the data file. (Use
> "nLines = file_lines(file)" to find out.)
>
> By the way, you can do this without a loop:
>
> file = 'E:\Dissertation\mz_cam\spectral_calib\dat-files
> \070807\run24\070807_24_0013.dat'
>
> n_pixel = 2072758
> n_channels = 3
>
> data = fltarr(n_channels, n_pixel)
>
> openr, lun, file, /get_lun
> readf, lun, data
> free_lun, lun
>
> ; if you need the data in separate arrays
> g = data[0, *]
> r = data[1, *]
> nir = data[2, *]
>
> Mike
> --www.michaelgalloy.com
```

Hello,

oh yes, i forgot in the original post to mention my problem. Sorry.
I'll try to fix my problem with your suggestions.

Thank you,

Britta
