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

Posted by [britta.mey](#) on Mon, 20 Aug 2007 08:31:13 GMT

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On 20 Aug., 09:23, britta....@gmail.com wrote:

> 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

```

Hello again,

i tried your suggestions, but i still get the "end of file-error".

Even if i tried the suggested code without the loop. Do you have any idea what could be further wrong? I checked the number of lines with "nLines = file\_lines(file)". The number is correct :-( .

Yours,  
Britta

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