Subject: Re: End of File-Error message in simple readf routine - What's the problem?
Posted by Michael Galloy on Mon, 20 Aug 2007 00:41:21 GMT
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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
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