Subject: Re: read multiple files with varying names
Posted by sophie.hoss on Thu, 28 May 2009 14:44:05 GMT

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yup, thanks.. i deleted the post like 10min after i wrote it, cause i
found the solution myself. you guys were obviously quicker.

however, the next problem came right along..

i'm trying to read in a fair big amount of radiation ascii-files (12
colums, roughly 5000 rows each file), which have as i wrote in my
last, deleted post, all different names. I guess the name problem is
solved.
below you find the code i'm using. and i cannot find out why it gives
me the error "READF: End of file encountered" (comes up in the line
marked with ****). i'm very aware that this is a common error and i
went over and over it again. with moderate success...

here's part of the code:

```
CD, 'filepath'
ci_files = FILE_SEARCH('ci*', COUNT=num_ci_files_found)

for i = 0,(num_ci_files_found-1) do begin

 file = ci_files(i)

  ; Get number of rows in file
    rows = File_Lines(file)

  ; Open file, read header
    OpenR, lun, file, /Get_Lun
    header = StrArr(34)
     ReadF, lun, header
     Point_Lun, -lun, currentLocation

  ; Read the first line and get number of columns
    line = ""
    ReadF, lun, line
    cols = N_Elements(StrSplit(line, /RegEx, /Extract))

  ; variable to hold the data
    data = strarr(cols, (rows(i)-N_Elements(header)))


  rows_data = rows - n_elements(header)
stop
  s=strarr(cols)
```

```
n=0
while (~ eof(file) and (n lt rows_data -1 )) do begin
 ; Read a line of data
 readf,lun,s
 ; Store it in data
  data[*,n]=s
  n=n+1      (*****)
 end
 data=data[*,0:n-1]
```

I did the while-loop because I learned that IDL might not read every
line separately. Don't know if it's the most elegant version but at
least it is one.

for the sake of my sanity, any help is appreciated!
cheers,
sophie