
Subject: Re: read multiple files with varying names
Posted by [sophie.hoss](#) on Fri, 29 May 2009 12:51:50 GMT
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On 28 Mai, 17:25, "Jean H." <jghas...@DELTHIS.ucalgary.ANDTHIS.ca> wrote:

> sophie.h...@gmail.com wrote:

```
>>      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

>
> Sophie,
> when reading strings, the whole line is read. So when you read in S, you
> are reading nb_cols LINES.. s[0] = line0, s[1] = line1 etc. You would
> have to read the whole line then separate the columns.

>
> You can do it in one step

```
>  
> data = strarr(nbLines)  
> readf,lun,data
```

>
> Jean- Zitierten Text ausblenden -

>
> - Zitierten Text anzeigen -

Jean, thanks for that, but I'm still stuck with the same problem no matter how I do it. I cut the code short to

```
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)
  rows = File_Lines(file)
  OpenR, lun, file, /Get_Lun
  header = StrArr(34)
  ReadF, lun, header
  Point_Lun, -lun, currentLocation
  data = strarr(12, rows-(n_elements(header))) ; i know there's 12
columns
  readF, lun, data
```

; from here on I want to extract one column only and
save this column (radiation data from one station for one month) in a
file where I later add values from all other stations for this
specific month, then take the average from all stations over the whole
month)

--> READF: End of file encountered.

Do I need to include a format statement? I read some posts saying it
is sometimes (in easy cases) better to forget about any format
statements...

thanks for your input...
sophie, going crazy
