
Subject: I made it!!!

Posted by [kim20026](#) on Thu, 16 Nov 2006 01:53:10 GMT

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Good morning everyone.

Thank you very much for your invaluable comments and suggestions. I finally made it!!! (^.^) but I need to say there was another major contributor, Jonghyeok Lee, one of my new friends in Seoul.

The latest version of this code is...

```
pro temp1
file='D:\MODIS_Documents\MetData\IDLPractice\temp.txt'
n=file_lines(file)
allline=strarr(n)
openr, 1, file
readf, 1, allline
close, 1
for i=0L, n-1 do begin
if i mod 52608L eq 0 then begin
    close, /all
    filew='D:\MODIS_Documents\MetData\IDLPractice\temp'+string(i /
52608L +1, format='(I1)')+'.txt'
    openw, 2, filew
endif
oneline=allline[i]
data=fix(strsplit(oneline, '|', /extract))
printf, 2, data, format='(28I5)'
endfor
close, /all
end
```

If you have any other comments or suggestions, please don't hesitate.
Thanks again. Have a nice day!!!

Harry from Chuncheon, Korea

Braedley wrote:

- > Your string array should only be of dimensions (28). You'll read each
- > of the 28 lines, and then strsplit them into the data array like so:

```

>
> s_in=strarr(file_lines(filename))
> openr, lun, /get_lun, filename
> readf, lun, s_in
> close, lun
> free_lun, lun
> length=n_elements(s_in)
> temp=strsplit(s_in[0], '|', /extract, count=count)
> data=intarr(length, count)
> for i=0, length-1 do data[i, *]=fix(strsplit(s_in[i], '|', /extract))
>
> This method also keeps the program more flexible. Hard coding values
> is rarely a good thing.
>
> Braedley
>
> kim20026@gmail.com wrote:
>> Sorry, everyone!!! I found these data below seem to be one line, but
>> they were not!!! They were set to an array with 28 columns * 157842
>> rows already...
>>
>> Now, the problem can be easier, but I am still a beginner. Please give
>> me some comments.
>>
>> My basic idea was...
>>
>> 1. Make an array (28, 157842)
>> 2. Open and read the data
>> 3. Put the data into the array made in 1.
>> 4. Slice the array into 3 and print to 3 different files.
>>
>> So I did this way, but still not working...
>> -----
>> Pro temp1
>>
>> ; Main working directory (location of IDL procedures and functions)
>> WorkDir      = 'D:\MODIS_Documents\MetData\IDLPractice'
>>
>> s=intarr(28, 157824L)
>> Openr, lun, 'temp1.txt', /get_lun
>> Readf, lun, s ; <- IDL still halts right here. (T.T)
>> free_lun, lun
>>
>> data=fix(strsplit(s, '|', /extract))
>>
>> for i=0L, 157824-1 do begin
>>     if i mod 52608L eq 0 then begin
>>         close, /all

```

```

>> file_no=i / 52608L + 1 ; 1, 2, 3
>> openw, 1, 'out'+string(file_no, format='(I1)')+'.txt'

>> endif
>> printf, 1, strjoin(string(data[*], i], format='(I4)'), ' ')
>>
>> endfor
>>
>> close, /all
>> end
>>
>>
>>
>> kim20026@gmail.com wrote:
>>> I requested some meteorological data to a governmental institute. To
>>> reduce the file size, they sent me this way...
>>>
>>> 90|2000|1|1|25|25|26|26|26|25|26|28|31|34|36|39|40|38|38|37|
35|33|35|37|34|34|35|29|90|2000|1|2|30|32|29|28|31|33|55|65|
74|68|72|75|71|83|85|77|69|60|51|43|41|34|34|29|90|2000|1|3|
25|20|12|9|8|5|-2|-3|14|27|31|42|51|54|48|51|37|28|15|11|6|-
12|0|-13|90|2000|1|4|-7|-5|-8|-10|-21|-21|-13|-18|-2|23|36|4
0|50|49|42|37|29|22|9|3|0|0|5|4|90|2000|1|5|1|4|12|10|15|15|
9|6|0|-1|1|3|5|4|4|6|8|8|10|9|9|13|13|17|90|2000|1|6|17|18|2
3|23|24|28|28|27|25|26|45|73|87|90|81|72|58|54|39|19|-2|-11|
-17|-26|90|2000|1|7|-31|-39|-43|-55|-67|-77|-85|-86|-78|-71|
-63|-63|-52|-43|-39|-41|-49|-51|-53|-54|-58|-53|-54|-57|90|2
000|1|8|-57|-52|-49|-48|-45|-39|-36|-30|-25|-18|-11|-8|0|2|1 2|7|-3|-7|-7|-7|-6|-16|-15|-17|
>>> ...
>>>
>>> This is only one line, but contains a matrix of 28 columns * 157824L
>>> rows. As you guys may know, Excel can only 65,000 rows approximately,
>>> and I need to divide this into three to read this file correctly.
>>>
>>> I have tried like this so far, but everytime I try, I have the same
>>> error message and the program stops.
>>>
>>>
>>> -----
>>> Pro temp1
>>>
>>> ; Main working directory (location of IDL procedures and functions)
>>> WorkDir      = 'D:\MODIS_Documents\MetData\IDLPractice'
>>>
>>> s=""
>>> Openr, 1, 'temp1.txt'
>>> Readf, 1, s

```

```

>>> print, strlen(s)
>>> close, 1
>>>
>>> data=fix(strsplit(s, '|', /extract))
>>> help, data
>>> data=reform(data, 28, 157824L) ; <- Execution halts right here
>>> everytime!!!
>>> print, data[* , 0]
>>> print, data[* , 1]
>>>
>>> for i=0L, 157824-1 do begin
>>>     if i mod 52608L eq 0 then begin
>>>         close, /all
>>>         file_no=i / 52608L + 1 ; 1, 2, 3
>>>         openw, 1, 'out'+string(file_no, format='(I1)')+'.txt'
>>> ;ex) out1.txt
>>>     endif
>>>     printf, 1, strjoin(string(data[* , i], format='(I4)'), ", ")
>>>
>>> endfor
>>> close, /all
>>> end
>>> -----
>>>
>>> Please let me know if you have any solutions (or suggestions at least.
>>> It's urgent!! T.T)

```
