
Subject: Re: Cut down a big file (W/O delimiters) into several... but I still don't understand

Posted by [R.Bauer](#) on Tue, 20 Mar 2007 10:00:08 GMT

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Hi Callahan

Did you thought on using head and tail for that e.g.

```
head n -100 file > newfile
```

or you can use a simple idl program
which does read partial a whole array of e.g.

```
tmp = make_array(28,100,/long)
openr,lun1,file,/get_lun
for i = 0,1 do begin
    readf,lun1,tmp
    openw,lun2,file+strtrim(i,2),transpose(tmp),/get_lun,width=2 8*12
    printf,lun2,tmp
    free_lun,lun2
endfor
free_lun,lun1
```

cheers

Reimar

DirtyHarry wrote:

```
> Last week I posted a question with almost same topic. I would like to
> slice a big file into several accoding to one of its row. I found
> there is some 'delimiter' problem that I cannot solve at this point.
> So I deleted them through making another simple IDL code and made a
> new data file, but still I got stuck in cutting it down.
```

```
>
```

```
> This is a part of my data file.
```

```
> file: 'HumNWS1.txt' (data(28, 164094))
```

```
>
```

```
> 90 2000  1  1  95  95  95  95  95  96  95  95  94  93
```

```
> 93  93  94  94  94  95  95  93  91  90  94  95  96  95
```

```
> 90 2000  1  2  96  95  94  96  93  93  76  74  76  81
```

```
> 85  84  76  53  43  40  39  41  33  33  32  32  33  35
```

```
> 90 2000  1  3  35  34  38  35  29  28  30  29  26  23
```

```
> 25  22  22  30  29  24  23  24  36  31  34  39  31  34
```

```
> .
```

```
> .
```

```

> .
>
>
> To divide this, I set up a source code like this...
>
>
> -----
> pro hum_year
>
> ;
> *****
>
> ; 1. Read file and set the initial value of variables and arrays.
> file = 'HumNWS1.txt'
> ndata=file_lines(file)
> data=intarr(28, ndata)
>
> close, /all
>
> ; 2. Prepare for new text files.
>   openw,1,'HuNWS_2000.txt'
>   openw,2,'HuNWS_2001.txt'
>   openw,3,'HuNWS_2002.txt'
>   openw,4,'HuNWS_2003.txt'
>   openw,5,'HuNWS_2004.txt'
>   openw,6,'HuNWS_2005.txt'
>
>
> ; 3. Read data and write them on the designated files.
>
> for t=0L,ndata-1 do begin
>   case data(1L,t) of
>     2000:printf,1,format='(28i6)' , data[*,t]
>     2001:printf,2,format='(28i6)' , data[*,t]
>     2002:printf,3,format='(28i6)' , data[*,t]
>     2003:printf,4,format='(28i6)' , data[*,t]
>     2004:printf,5,format='(28i6)' , data[*,t]
>     2005:printf,6,format='(28i6)' , data[*,t]
>   else:
>   endcase
> endfor
>
> ; 4. close all files.
> close, /all
>
> print, 'Process is done!'
>
> end

```

> -----
> There was no problem in compiling. When I ran this file after
> compilation, there were no error messages, either. However, after I
> checked those new files (i.e. 'HuNWS_2000.txt'), I found there were no
> data in there... I don't understand why this happens. What's wrong in
> my case statement... ? Please give me some suggestions... thanks.
>

--

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a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

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