
Subject: Re: reading ASCII Data
Posted by [R.Bauer](#) on Tue, 13 Apr 1999 07:00:00 GMT
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Mirko wrote:

> Was in a hurry this mornig an missed to put an example on.
> 1 08.04.1999 15:27:12:40 11.04 1.05722E-007 2.14 9.9E-009 16.05
> 3.59375E-009 28.02 4.20938E-009 44.03 1.2875E-009
> 2 08.04.1999 15:27:21:60 20.6 1.07047E-007 2.19 1.04469E-008 16.05
> 3.66875E-009 17.06 1.89781E-008 18.09 6.69937E-008 28.02
> 4.11563E-009 31.94 1.49062E-009 43.97 1.35312E-009
> 3 08.04.1999 15:27:30:44 29.44 1.14278E-007 ... and so on for the next
> 700 ranges
>
> Any suggestions?
>
> Cheers

```
file='test.dat'  
IF file_exist(file) THEN A = fileline('test.dat')
```

R.Bauer

```
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; sold and this copyright notice is reproduced on each copy made. This  
; routine is provided as is without any express or implied warranties  
; whatsoever.  
;  
;+  
; NAME:  
; file_exist  
;  
;  
; PURPOSE:  
; The result of this function is 1 if a file exist and 0 if not  
;  
; CATEGORY:  
; DATAFILES  
;  
; CALLING SEQUENCE:
```

```

; Result=file_exist(file_name)
;
; INPUTS:
; file_name: The name of the File
;
; OUTPUTS:
; This function returns 1 if the file exist and 0 if not
;
; EXAMPLE:
; result=file_exist('otto.nc')
;
; MODIFICATION HISTORY:
; Written by: R.Bauer (ICG-1), 1998-May-18
;-

```

FUNCTION file_exist,file_name

```

if n_params() Lt 1 then begin
    help,call=call
    help_of_interest=within_brackets(call[0],brackets=['<', '('])
    message,help_calling_sequence(help_of_interest),/cont
    return,-1
endif
```

```

OPENR,lun,file_name,err=err,/GET_LUN
IF n_elements(lun) GT 0 THEN FREE_LUN,lun
IF err NE 0 THEN RETURN,0 ELSE RETURN,1
END
```

```

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;
;+
; NAME:
; fileline
```

```

;
; PURPOSE:
;   This function returns the number of lines of an ascii file
;
; CATEGORY:
;   DATAFILES/FILE
;
; CALLING SEQUENCE:
;   Result=fileline(file_name)
;
; INPUTS:
;   file_name: the name of an ascii file
;
; KEYWORD PARAMETERS:
;   bytarr: optional output
;
; EXAMPLE:
;   Result=fileline('test.asc')
;
; MODIFICATION HISTORY:
;   Written by: R.Bauer (ICG-1), Oct. 1996
;   R.Bauer 1998-11-10 added opt output bytarr
;-

```

FUNCTION fileline, filename,BYTARR=lesefeld

```

IF N_PARAMS() LT 1 THEN BEGIN
  HELP:HELP,call=call
  help_of_interest=within_brackets(call[0],brackets=['<', '('])
  MESSAGE,help_calling_sequence(help_of_interest),/cont
  RETURN,-1
  help_open: MESSAGE, 'File: '+filename+' NOT found',/cont
  RETURN,-1
  help_size: MESSAGE,'File: '+filename+' has a SIZE OF 0 bytes',/cont
  RETURN,-1
ENDIF
byt=filesize(filename)
IF byt EQ 0 THEN GOTO,help_size

IF byt EQ -1 THEN GOTO, help_open

lesefeld=BYTARR(byt)

OPENR,lun,filename,/GET_LUN,error=err

```

```

IF err NE 0 THEN GOTO, help_open
READU,lun,lesefeld

FREE_LUN,lun
IF lesefeld(byt-1) NE 10b THEN lesefeld=[lesefeld,10b]
line=WHERE(lesefeld EQ 10B,count_line)

RETURN,count_line

END

;

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; whatsoever.
;+
; NAME:
; filesize
;
; PURPOSE:
;   The result of this function is the bytelength of an ascii file
;
; CATEGORY:
;   DATAFILES/FILE
;
; CALLING SEQUENCE:
;   Result=filesize(file_name)
;
; INPUTS:
;   file_name: the name of an ascii file
;
; OUTPUTS:
; This function returns the number of bytes of an ascii file
;
; EXAMPLE:
;   Result=filesize('test.asc')
;
; MODIFICATION HISTORY:
;   Written by: R.Bauer (ICG-1), Oct. 1996
;-

```

FUNCTION filesize, filename

```
if n_params() Lt 1  then begin
    help:help,call=call
    help_of_interest=within_brackets(call[0],brackets=['<','('])
    message,help_calling_sequence(help_of_interest),/cont
    return,-1
    help_open: message, 'File: '+filename+' not found',/cont
    return,-1
endif
```

OPENR, lun, filename, /GET_LUN,error=err

IF err NE 0 THEN GOTO, help_open

stats = FSTAT(lun)

FREE_LUN, lun

RETURN, stats.size

END

File Attachments

- 1) [file_exist.pro](#), downloaded 67 times
 - 2) [fileline.pro](#), downloaded 59 times
 - 3) [filesize.pro](#), downloaded 65 times
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