
Subject: Re: reading ASCII Data
Posted by [R.Bauer](#) on Tue, 13 Apr 1999 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

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

```
; Copyright (c) 1998, Forschungszentrum Juelich GmbH ICG-1
; All rights reserved.
; Unauthorized reproduction prohibited.
; This software may be used, copied, or redistributed as long as it is not
; 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

```

```

;
; Copyright (c) 1997, Forschungszentrum Juelich GmbH ICG-1
; All rights reserved.
; Unauthorized reproduction prohibited.
; This software may be used, copied, or redistributed as long as it is not
; 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:
; 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

```
.
;
; Copyright (c) 1996, Forschungszentrum Juelich GmbH ICG-1
; All rights reserved.
; Unauthorized reproduction prohibited.
; This software may be used, copied, or redistributed as long as it is not
; 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:
; 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 115 times
 - 2) [fileline.pro](#), downloaded 93 times
 - 3) [filesize.pro](#), downloaded 93 times
-