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Subject: Fixes for LN03 procedure under VMS  
Posted by [rivers](#) on Thu, 24 Jan 1991 04:33:15 GMT  
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The LN03 procedure (which routes Tektronix output to a file so it can be sent to an LN03+ printer does not correctly work in PV-WAVE Version 3.x under VMS. The following changes will fix the problems.

```
;  
;$Id: ln03.pro,v 1.1 90/01/23 16:43:18 wave Exp $  
;  
; This file was modified by Mark L. Rivers, to fix  
; two bugs under VMS.  
;  
; The /NONE qualifier was added to the OPENW call to set the RMS  
; carriagecontrol options to NONE.  
;  
; Also when closing the file the line:  
; device, /tek4014, plot_to = 0  
; must come BEFORE the line  
; printf, OLUN, esc+'[?38I'  
; so these two lines were switched. (otherwise the printer is taken out of  
; Tektronix mode before the driver buffer is flushed.)  
;  
pro LN03, filename  
  
; NAME:  
; LN03  
; PURPOSE:  
; Procedure to open or close an output file for LN03 graphics output.  
; To open an output file for the LN03:  
;   LN03, 'filename'  
; where filename is the output file to be written.  
; To close the output file, type:  
;   LN03  
  
common SAVE, OLUN, DEV  
;  
esc = string(27B)  
NP = n_params (dummy)  
;  
if NP eq 1 then begin  
  ckstr = size (filename)  
  if ckstr(1) ne 7 then begin  
    print, 'Parameter to LN03 must be a filename of type string.'  
    return  
  endif
```

```
endif
;
CLOSE = 0
if NP lt 1 then CLOSE = 1
;
if CLOSE eq 0 then begin
  DEV = !D
  get_lun, OLUN
  openw, OLUN, filename, /none
  set_plot, 'tek'
  device, /tek4014, plot_to = OLUN
  printf, OLUN, esc+['?38h'
endif else begin
  device, /tek4014, plot_to = 0
  printf, OLUN, esc+['?38l'
  free_lun, OLUN
  set_plot,DEV.NAME
endelse
;
```

```
return
end
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