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```

; None.
;
; SIDE EFFECTS:
; The X, Y, and value of the pixel under the cursor are continuously
; displayed.
;
; RESTRICTIONS:
; None.
;
; PROCEDURE:
; Instructions are printed and the pixel values are printed as the
; cursor is moved over the image.
;
; Press the left or center mouse button to create a new line of output,
; saving the previous line.
;
; Press the right mouse button to exit the procedure.
;
; MODIFICATION HISTORY:
; DMS, Dec, 1987.
; Rob Montgomery (rob@hao.ucar.edu), 9/21/92;
; Correct indices for case of !order = 1
; Karlheinz Knipp, IPI (knipp@ipi.uni-hannover.de), JAN 28,'95:
;     mod: tvrdc  --> cursor
;     while  --> repeat
;     string("12b) --> 29 * (string(8b))
;
;-

```

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on_error,2      ;Return to caller if an error occurs
print,'Press left or center mouse button for new output line.'
print,'... right mouse button to exit.'
s = size(image)
if s(0) ne 2 then message, 'Image parameter not 2d.'
s(1) = s(1)-1 ;To n-1
s(2) = s(2)-1
!err=0
if n_elements(x0) le 0 then x0 = 0
if n_elements(y0) le 0 then y0 = 0
if s(s(0)+1) ge 4 then form = 'F' else form = 'I'
cr = string("15b) ;this codes a newline
form="($,'x=',i4,', y=',i4,', value=', "+form+" ,a)"

; kk 950128: -----
formlen = 29      ; kk 950128
ltab = string(8b)  ; kk 950128
for i=2,formlen do ltab = ltab + string(8b) ; kk 950128

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```
repeat begin ; ori: !err, while
```

```
cursor,x,y,/change,/dev ; ori: tvrdc
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if (x le s(1)) and (y le s(2)) and (x ge 0) and (y ge 0) then begin
  if (!order eq 1) then yy = s(2) - y else yy = y

```

```
if !mouse.button eq 0      $
    then print, form=form, x,y,Image(x,yy),ltab $
    else print, form=form, x,y,Image(x,yy),cr
```

endif

```

; original; -----
; tvrdc,x,y,2,/dev
; if (!err and 3) ne 0 then begin ;New line?
;   print,form="($,a)",string("12b)
;   while (!err ne 0) do begin wait,.1 & tvrdc,x,y,0,/dev & end
; endif
; x = x-x0 & y = y - y0
; if (x le s(1)) and (y le s(2)) and (x ge 0) and (y ge 0) then begin
;   if (!order eq 1) then yy = s(2) - y else yy = y
;   print,form = form, x,y,image(x,yy),cr
; endif
; -----

```

```
endrep until !mouse.button eq 4
```

```
print,form="( /)"
end
```

^^ SNAP ^^^

It does work under IDL 3.6 / SunOs 4.1.x

Hope this helps

Karl

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