
Subject: Re: Postscript for different paper sizes

Posted by [zawodny](#) on Wed, 24 Jan 1996 08:00:00 GMT

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In article <4e5c13\$5la@n.ruf.uni-freiburg.de> pit@asterix.kis.uni-freiburg.de (Peter Suetterlin) writes:

> In article <4do2gb\$s94@cpc3.uea.ac.uk>,
> f055@uea.ac.uk (T.Osborn) writes:

>>

>> When outputting plots to the PS device, does the PS file contain any
>> settings for the paper size? If so, what is the default? Letter?

>> If so, how can I change it to A4 or A3 etc.?

>

> I'm not shure whether special procedures for this exist, but you can
> always set the dimensions you like using the device procedure:

>

> set_plot,'ps'
> device, xsize=28,ysize=41,xoffset=0.8,yoffset=0.5

>

> would give you about an A3 Plotting range.

>

> Peter

I have a routine I use to switch between the different printers and paper
sizes we use here. It can be modified to handle your needs and is appended
to this message.

Good luck,

Dr. Joseph M. Zawodny KO4LW NASA Langley Research Center
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```
;+
; NAME:
; SET_GRAPH
; PURPOSE:
; Make setting up device dependant defaults easy
; CATEGORY:
; ?
; CALLING SEQUENCE:
; SET_GRAPH,/device_type
; INPUTS:
; KEYWORDS:
; /ps sets up for black and white postscript
; /x sets up for X windows
; /cps sets up for color postscript
; /land select the landscape option (used with /ps or /cps)
; /legal change size for 8.5"x 14" paper (used with /cps)
```

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; /s11x17 change size for 11" x 17" paper (used with /cps)
; OUTPUTS:
; NONE.
; COMMON BLOCKS:
; NONE.
; SIDE EFFECTS:
; Changes a bunch of items that control plotting
; RESTRICTIONS:
; NONE. Modify to suit your personal desires.
; PROCEDURE:
; STRAIGHTFORWARD
; MODIFICATION HISTORY:
; May 1, 1989 J. M. Zawodny, NASA/LaRC, MS 475, Hampton VA, 23665.
; Dec 12, 1989 JMZ, Added /LEGAL, and changed setting of !n.THICK
;-
pro SET_GRAPH,dummy,ps=ps,x=x,cps=cps,land=land,legal=legal,s11x17=s11x17
outs = "
if keyword_set(cps) then begin
  set_plot,'ps'
  if keyword_set(land) then begin
    xsize = 10.20 ; x size of plot area in inches
    ysize = 7.65 ; y size of plot area in inches
    xcen = 4.25
    ycen = 5.50
    if keyword_set(legal) then begin
      xsize = 10.50 ; x size of plot area in inches
      ysize = 8.10 ; y size of plot area in inches
      xcen = 4.25
      ycen = 5.50
    endif
    if keyword_set(s11x17) then begin
      ; Tested OK
      xsize = 16.25 ; x size of plot area in inches
      ysize = 10.50 ; y size of plot area in inches
      xcen = 5.50
      ycen = 8.50
      xcen = 8.50
      ycen = 5.50
      outs = 'statusdict begin 11x17tray statusdict end'
    endif
    xoff = xcen-ysize/2. ; x offset to center the plot
    yoff = ycen+xsize/2. ; y offset to center the plot
    device,land=land,/bkman,/light,/color,bits=8
  endif else begin
    xsize = 7.65 ; x size of plot area in inches
    ysize = 10.20 ; y size of plot area in inches
    xcen = 4.25
    ycen = 5.50
  endif
endif

```

```

if keyword_set(legal) then begin
  xsize = 8.1 ; x size of plot area in inches
  ysize = 10.5 ; y size of plot area in inches
  xcen = 4.25
  ycen = 5.50
endif
if keyword_set(s11x17) then begin
  xsize = 10.5 ; x size of plot area in inches
  ysize = 16.25 ; y size of plot area in inches
  xcen = 5.50
  ycen = 8.50
  outs = 'statusdict begin 11x17tray statusdict end'
endif
xoff = xcen-xsize/2. ; x offset to center the plot
yoff = ycen-ysize/2. ; y offset to center the plot
device,/bkman,/light,/color,bits=8
endelse

device,/helvetica,font_index=20
device,/bkman,/light,font_index=3
device,/inch,xoff=xoff,yoff=yoff,xsize=xsize,ysize=ysize
;; if(outs ne "") then device,output=outs
!p.font = 0
thick = 2
endif

if keyword_set(ps) then begin
set_plot,'ps'
if keyword_set(land) then begin
  xsize = 10. ; x size of plot area in inches
  ysize = 7.5 ; y size of plot area in inches
  xoff = 4.25-ysize/2. ; x offset to center the plot
  yoff = 5.50+xsize/2. ; y offset to center the plot
  if keyword_set(s11x17) then begin
    xsize = 16.25 ; x size of plot area in inches
    ysize = 10.50 ; y size of plot area in inches
    xcen = 5.50
    ycen = 8.50
    xoff = xcen-ysize/2. ; x offset to center the plot
    yoff = ycen+xsize/2. ; y offset to center the plot
  endif
  device,land=land,/bkman,/light
endif else begin
  xsize = 8.0 ; x size of plot area in inches
  ysize = 10. ; y size of plot area in inches
  xoff = 4.25-xsize/2. ; x offset to center the plot
  yoff = 5.50-ysize/2. ; y offset to center the plot
  device,/bkman,/light

```

```
if keyword_set(s11x17) then begin
    xsize = 10.5 ; x size of plot area in inches
    ysize = 16.25 ; y size of plot area in inches
    xcen = 5.50
    ycen = 8.50
    xoff = xcen-xsize/2. ; x offset to center the plot
    yoff = ycen-ysize/2. ; y offset to center the plot
    endif
    endelse

device,/helvetica,font_index=20
device,/bkman,/light,font_index=3
device,/inch,xoff=xoff,yoff=yoff,xsize=xsize,ysize=ysize
!p.font=0
thick=2
endif

if keyword_set(x) then begin
    set_plot,'x'
    !p.font = -1
    thick = 1
endif

!p.thick = thick
!x.thick = thick
!y.thick = thick
return
end
```

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