
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:

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> In article <4do2gb$s94@cpca3.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)
```

```

; /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,s11x 17=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
    endif
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
  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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