
Subject: Colour Postscript and 'colorbar'.

Posted by [D.Kennedy](#) on Wed, 29 Jan 1997 08:00:00 GMT

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I'm using David Fanning's 'colorbar' routine and, while it looks great on screen, its behaving oddly when I try to produce colour postscript files. The peak colour in the plot is not the same as that at the top of the colour bar (though the annotation etc is). I have not had to work with colour postscript before and am baffled as to why this isn't working! And the manual, oddly for IDL to be honest, is useless. I've been tinkering with this for 2.5 hours now. *sigh* Anyone see where I'm going wrong here? (I did set 'loadct, 3, ncolors=100' and use the 'ncolors=100' parameter in the call to 'colorbar' but all I got then was a partially B&W ps output...*sigh*)

The relevant code fragments are:

[Postscript setup]

```
set_plot, 'ps'
!p.font = 0
ps_filename = "
read, ps_filename, prompt = 'PS filename: '
device, /palatino, filename=ps_filename, $
font_size = 10, /landscape, /inches, xsize = 10,$
ysize = 7, xoffset = 0.6, yoffset = 10.8, /color, bits=8
```

[Colour setup and plot]

```
loadct, 3
  max_colour = !d.n_colors
  min_colour = 0
  ; Build an array with a colour for every data point.
  colours = bytscl(n, top = max_colour) + min_colour
; Plot the data
FOR counter=0, (n_elements(l)-1) DO BEGIN
POLYFILL, CIRCLE(l(counter), b(counter), beam_radius),$
  /FILL, color=colours(counter)
ENDFOR
```

[Call 'colorbar']

```
colorbar, /vertical, position=[0.92, 0.10, 0.95, 0.90],$
divisions=8, bottom = min_colour, $
max = n_max, min = n_min, format='(E10.1)', $
title = 'Column Density', color=0, /pscolor
```

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