Subject: Re: 8-bit Postscript problem (Will IDL and color Postscript *ever* get along?)
Posted by M-K on Tue, 11 Jul 2006 17:31:07 GMT

David Fanning wrote:

> Humm. Very strange. I guess I still believe you haven't set the BITS_PER_PIXEL
> keyword correctly in PostScript, even though you write that you have, etc.
> But it is the only thing I can think of that still makes any sense. I would just
> check that DEVICE command again one more time (and perhaps confirm that
> the option got set with a Help, /Device).

Oddly, doing
  set_plot, 'ps' & !P.Font=0
  DEVICE, BITS_PER_PIXEL=8, COLOR=1, FILE=fnam, $
       /ENCAPS, XSIZE=7,YSIZE=4,/INCHES
  Help,/DEVICE

confirms 8 bits per pixel; the output is:

Current graphics device: PS
  Mode: Portrait, Encapsulated, EPSI Preview Disabled, Color Enabled
  Output Color Model: RGB
    ... { offset, size, preview stuff here, Scale Factor is 1 }
...
  Font: Helvetica   TrueType Font: <default>
  # bits per image pixel: 8
  Font Mapping: ...

So somehow the colorbar output is nice, but the TVImage output
is pixelly or not enough colors, despite BITS_PER_PIXEL=8.
Could there be a pixel scaling problem with Postscript?

Thank you again,
-Mark