Subject: Using !P.Multi for TVSCL,CONGRID
Posted by Ertel, KG (Klaus) on Thu, 18 Nov 2004 09:05:41 GMT

Hello!

My solution would be to create a plot (using PLOT or CONTOUR) and then
place the colormap into it. I think this is also explained somewhere in
the IDL manuals. This way you also have axes around your plot. Example:

```
  CONTOUR, data, x, y, XSTYLE = 1, YSTYLE = 1, /NODATA

  PX = !X.WINDOW * !D.X_VSIZE
  PY = !Y.WINDOW * !D.Y_VSIZE
  SX = PX[1] - PX[0] + 1
  SY = PY[1] - PY[0] + 1

  if !D.NAME eq 'PS' then begin

    tvscl, data, px[0], py[0], xsize = sx ,ysize = sy

  endif else begin

    tvscl, congrid(data,SX,SY),PX[0],PY[0]

  endelse
```

Note the difference between PS output where you have scalable pixels and
other devices where you scale the number of pixels. Besides, I wouldn't
use !P.Multi but the POSITION keyword to place your plots (with /NOERASE
for the second and subsequent plots on the page). This gives you much
better control over the positioning of the plots. Hope this helps...

Klaus

-----Original Message-----
From: roberson_1@yahoo.com (Roy) [mailto:roberson_1@yahoo.com]
Posted At: 10 November 2004 01:42
Posted To: comp.lang.idl-pvwave
Conversation: Using !P.Multi for TVSCL,CONGRID
Subject: Using !P.Multi for TVSCL,CONGRID

Is there a way to use !P.Multi plot using
TVSCL,CONGRID(data,400,400)?
I know !P.Multi works for other plot commands but I'm not able to use
congrid on !P.Multi.

Thanks,
Lee