Subject: TV/postscript problem
Posted by R.Balthazor on Thu, 05 Nov 1998 08:00:00 GMT

I'd be grateful if anyone could point me in the right direction with
this problem.

I'm running a program with the general form shown below. It cycles over
20 timesets of two datasets, each time reading them both in and
displaying one as a false-color image on a map projection and then
displaying the second as a contour image overlaid on it.   Each time it
flashes up the completed image satisfactorily on the X-windows, and the
postscript file builds up until it is 20 pages long.

However, each page of the postscript file is a horrible two-tone mess of
black and white, looking like it is an 'overexposed' photograph and
nothing like what was on the screen; and moreover, the TV,imageset is
larger than and displaced from the desired position.

What have I done wrong?   I've tried;

- doing a single dataset read in case it was to do with multiple pages
written to the postscript file - but still the horrible mess.

- using CONTOUR,dataset1,/FILL as an approximation to TV,imageset1; this
works perfectly (but I want more than 26 levels)

- using WRITE_GIF; this works perfectly.

I'd be very grateful for any suggestions; I presume the problem is in
the postscript writing.

```
;==============
PRO myprogram

SET_PLOT,'X'
mainprogram

SET_PLOT,'PS'
 DEVICE,file='image.ps',/LANDSCAPE,XSIZE=27,YSIZE=17,XOFFSET=
2,YOFFSET=28.5,/TIMES,/COLOR
mainprogram
DEVICE,/CLOSE

END
;=============
mainprogram
```

```
time=-1
REPEAT BEGIN
 time=time+1
 ;(Read in dataset1,dataset2, and some processing)

 MAP_SET,(arguments)
 imageset1=MAP_IMAGE(dataset1,startx,starty,other arguments)
 TV,imageset1,startx,starty
 CONTOUR,dataset2,/OVERPLOT
ENDREP UNTIL time EQ 19

END
;==============
```