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Subject: possible bug in ps conversion when combining tv and contour

Posted by [Don Stark](#) on Mon, 21 Jul 1997 07:00:00 GMT

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Hi - I have an image that is the result of combining three elements.

First using the mapping utilities a stereographic projection of the earth is set up. Then the elevation data is overlayed as a color image with the tv routine. Lastly, a pressure field is overlayed with the contour routine -- I've included the code below.

When I display this as an x-windows image, it looks perfect. When I attempted to convert it to write as a color postscript file the images no longer overlap correctly and are scaled differently. It looks like the tv image is no longer scaled correctly by the map\_image and/or map\_patch routines.

Any help on this would be greatly appreciated. Thanks

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```
;+
; Postscript output
;-
      Set_Plot, "ps", /interpolate
      Device, filename="temp.ps",/color, bits=8

      map_set,90,0,0, /stereo,/isotropic,limit=[45,-180,90,180]
      openr, unit,
      filepath('worldlv.dat',SUB=['examples','data']),/get_lun
      elev = bytarr(360,360) & new_elev = bytarr(360,360)
      readu, unit, elev
      close, unit
      elev = shift(elev,180,0)
      new_elev = map_image(elev,sx,sy,/bilin)
      tv,new_elev,sx,sy

      map_grid, glinestyle=0,glinethick=1,charsize=1.2,
      /label,color=255
      contour,temp_field,lon,lat,NLEVELS = 8,/FOLLOW,/overplot,
      color=203

      Device, /Close

      end
```

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