
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('worldelv.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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Don Stark
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    , /7_
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