

pepperjack writes:

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> I'm trying to overplot a contour with a map using contour .... /
> overplot followed by map_set ... /noerase. It works fine when I output
> it to my screen, but when I output it to a .eps file the map_set turns
> the entire plot one colour so I lose my contours.
>
> Here is my code:
>
> set_plot, 'ps'
> device, /encapsulated, filename='chi.eps'
> device, /color
> !p.region = [0.0, 0.1, 1, 1]
> loadct, 33
> range = max(chi) - min(chi)
> step = range/20.
> clevs = (indgen(21)*step) + min(chi)
> ccols = indgen(20)*(254/19)
> contour, chi, x, y, levels=clevs,c_col=ccols,/cell_fill,/overplot
> map_set,/noerase,/continents,/grid,/isotropic
> colorbar, clevs,ccols, format='(i4)'
> device,/close
>
> I'd really appreciate any help anyone can offer with this.
```

Well, I'm having a REALLY hard time seeing how this code
"works fine" when output to the display. :-)

Here are a couple of things I see immediately:

1. Remove the OVERPLOT keyword to Contour. Otherwise, you will draw over the top of what is already in the display or file.
2. You need a BITS_PER_PIXEL=8 keyword on your DEVICE command.
3. There is no way your contour plot and your map are going to align, unless you specify a POSITION for them.
4. If that Colorbar routine came from my web page, it isn't going to work at all if called like that.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
