
Subject: Problems with colorbar matching contour colors

Posted by [morganlsilverman](#) on Sun, 11 Aug 2013 22:23:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

I've created a new colortable. When I load the colortable to only use 26 colors to match the 25 contour levels I've plotted, the colorbar displays the colors squished at the bottom and then a gray scale colorbar for the remaining space. I'm not sure why this is happening. I only want my color bar to go from 0-25 even though my max value is well above 100. I want the values higher than 25 to be the same color as the 25th. An abbreviated code is below. I'd appreciate any help with why the colorbar isn't filling with the abbreviated number of colors or a better way to do this. Thank you.

nlevels=26

loadct, 41, ncolors=26

cgDisplay, 600, 500

contourlevels = cgConLevels(EpBin, nlevels=25, MaxValue=25)

cgplot, lonrange, latrange, /noerase, xstyle=1, ystyle=1, /nodata, xrange=xrange, \$

 yrange=yrange, position=pp, yticks = 8, xticks=6, xminor=1, charsize=1, \$

 xtitle = 'Longitude', ytitle = 'Latitude'

cgcontour, EpBin, longrid, latgrid, levels=contourlevels, /fill, \$

 c_colors=indgen(nlevels)+1, /overplot, position=[0.125,0.125,0.8,0.85]

cgcolorbar, range=[0,25], divisions=5, position=[0.125, 0.92, 0.9, 0.96], /vertical, /right
