Subject: Re: Using color table to map symbol colors in plot
Posted by siumtesfai on Fri, 19 May 2017 01:34:11 GMT
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On Thursday, May 18, 2017 at 9:26:49 PM UTC-4, laura...@gmail.com wrote:
> Hi,
>
> I can't find a similar question from earlier, but feel free to point me to one instead of answering.
>
> I am making a map and would like to overplot values at given locations. The values are at random positions, so I want to plot them as dots, not using a contour plot. (Maybe if I get desperate I'll try that.) I start with
>
> m = map("geographic",limit = [-25,139.8,-9.9,155])
> m1 = mapcontinents(/hires)
>
> I have three sets of data, lats, lons, and some values in an array we'll call "values". I want to plot points at the locations of the lat, lon pairs with the colors based on values. So after using a loadct, I scale the values to 0-255 in "ivalues". What I want to do next is something like
>
> p = plot(lons, lats, color = ivalues, linestyle = 'none', symbol = 'o', sym_filled = 1, /overplot)
>
> but I get "PLOT: Invalid internal color." when I do. I can plot the data using one color value at a time, i.e.,
>
> p1 = plot(lons[where(c eq 225)], lats[where(c eq 225)], color = 'yellow', linestyle = 'none', symbol = 'o', sym_filled = 1, /overplot)
>
> but, even in that style, not with a numerical value corresponding to the color table, i.e., color = 255. Is there any way to do what I'm looking for? From what I can tell, all of the color properties used with "plot" (like "symbol_color" or just "color") only take the named palette of colors as shown on
>
> https://www.harrisgeospatial.com/docs/formattingsymsandlines .html
>
> Thanks for any assistance,
>
> Laura

I often plot using
CGPLOTS,lons,lats,PSYM=SYMCAT(16),symsize=0.5,thick=1