On Tuesday, December 3, 2013 5:19:21 PM UTC-5, David Fanning wrote:
> Morgan Silverman writes:
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>
>> I'm trying to color a selection of the data I've plotted but am having a hard time getting the color bar and data colors to match correctly. I've plotted data that has altitudes from 0-5 km but only want to have a range of colors from 0-2 km and have everything above 2 km the same last color bar value (color 256). I've created a color bar with 256 colors from 0-2, but I can't seem to get this to match the colors of the data in the figure. Any suggestions
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> Are you by any chance talking about a filled contour plot? If so, have
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> you read this article?
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>
> http://www.idlcoyote.com/cg_tips/oobcontour.php
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> If not, maybe you could get us a better idea of what you are doing so we
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> would have basis for answering your question. :-)
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> Cheers,
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> David
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> --
>
> David Fanning, Ph.D.

>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

I apologize for not being clear. No this is not a contour plot. I am plotting individual latitude vs longitude points as symbols. I want each of those points colored by the corresponding altitude but only colored up to 2 km, above they should all be the same color. I still need to be able to see all points though. When I tried to limit, I also limit plotting the locations above 2 km. I've included a bit of plotting code. I hope this helps. Thank you.

```
loadct, 33
lonrange = [-77.75, -75.5] ; Flight 7,8,9,12,13,14
latrange=[38.25, 40] ; Flight 7,8,9,12,13,14
limit = [latrange(0),lonrange(0),latrange(1),lonrange(1)]
pp=[0.1,0.1,0.82,0.95]
colors=bytscl(DAQalt)
cgplot, DAQlon, DAQlat, /nodata, xstyle=1, ystyle=1, xrange=lonrange, yrange=latrange,
position=pp,/noerase
position=pp,/noerase
cgMap_set, 38.25, -76.5, limit=limit, /lambert, /noerase, position=pp ;37,-76.35 for zoomed
in...37.2, -76.7 zoomed out
cgMap_GSHHS, ShoreData, Fill=1, Level=3, Color='black', /Outline
cgplots, DAQlon, DAQlat, psym=2, color=colors
cgColorbar, divisions=4, range=[0,2], /Vertical, /right, charsize=1, position=[0.83,0.1,0.86,0.9]
```