Subject: colorbar question
Posted by [zolile mtumela](#) on Tue, 17 Apr 2012 07:48:36 GMT
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Hi all
I am looking for help and advices. I am plotting map showing cities. I
would like put different colors in these cities that correspond with a
colorbar. The cities will have some values that should be display on
the colorbar. I red some staff on this but I am not winning, I spent
all most a half month trying this, Please help me.
I will have some values like this NAQ=2.2, STF=1.4, etc


```
loadct,33
minval=-100
maxval=100
map_set, 72.5,-45,/orthographic,/isotropic, limit=[55,-75,90,-15],/
continents,/grid
cgcolorbar,range=[minval,maxval],/vertical,divisions=10

;lons=[-42.68,-38.56,-37.56,-36.66,-40.25,-37.56,-38.72,-41. 87,-39.46,-41.11,-32.05,-28.35]
;
;lats=[65.22,66.92,69.52,70.98,72.18,73.56,74.83,75.97,78.57 ,80.35,82.71,84.46]

lons=[314.56,310.32,308.27,307.10,309.28,306.43,306.47,307.8 7,303.85,302.82,294.90,290.77]
lats=[61.16,62.00,64.17,65.42,67.02,67.93,69.25,70.68,72.78, 74.57,76.02,77.47]

!p.charsize=0.8
cgplot,lons,lats,psym=4,/overplot

cities=['NAQ','FHB','GHB','SKT','STF','ATU','GDH','UMQ','UPN ','KUV','SVS','THL']

xyouts,lons,lats,cities
xyouts,337,61.23,'*GOOSE BAY',charthick=1.2,charsize=1,/data

end
```

Many thanks
Zolile

Subject: Re: colorbar question
Posted by [zolile mtumela](#) on Thu, 03 May 2012 13:38:13 GMT
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On May 2, 3:43 pm, zolile mtumela <zolilemtum...@gmail.com> wrote:
> On Apr 20, 8:38 am, zolile mtumela <zolilemtum...@gmail.com> wrote:
>

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>
>>  On Apr 18, 2:13 pm, David Fanning <n...@idlcoyote.com> wrote:
>
>>>  zolile mtumela writes:
>>>>  So far I managed to use different colors for these cities, now  I am
>>>>  studying about colorbar  so that I can use these color city there!!
>
>>>  If you don't have too many cities, I would use the discrete
>>>  color bar, cgDCBar, to label these colors. You could also
>>>  use the DISCRETE keyword with cgColorbar, but this is
>>>  better for labeling a range of values as a particular
>>>  color.
>
>>>  Cheers,
>
>>>  David
>
>>>  --
>>>  David Fanning, Ph.D.
>>>  Fanning Software Consulting, Inc.
>>>  Coyote's Guide to IDL Programming:http://www.idlcoyote.com/
>>>  Sepore ma de ni thui. ("Perhaps thou speakest truth.")
>
>>  Thank you David again
>>   I am getting there with your assistance, I used cgDCBar and lebels,
>>  work very well.
>>  many thanks
>>   Zolile
>
> Hi David
> I am looking for help and suggestions,  in this program, i want to put
> boxes next to these  cities and these boxes must have different colors
> as colorbar/cities.
> There idea for this program is , I want to show  two  or more things/
> values in one city, which will correspond with colorbar.
> Your help is highly appreciated.
> Many thanks
> Zolile

Thank you again,
I found a way to present this which I will try to do it, I will use
```

vectors/arrows then I will see from there.
Many thanks
Zolile