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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

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