
Subject: common scale colorbars

Posted by [teddyallen](#) on Mon, 25 Apr 2011 21:49:39 GMT

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I am having trouble getting the 8.0 graphics system to plot a common scaled colorbar for multiple contour plots. For example, I have three contour plots with contour values ranging from [-5,10] for the first one, [-6,9], for the second and [-3,8] for the third. Ideally, I would like to associate a [-10,10] colorbar scale for each plot so that I can make easy visual comparisons between the three.

From what I understand the TARGET keyword will associate a colorbar with a specified plot. TARGET does not seem to relate the scale of a specified contour plot to other plots. Having three plots that all TARGET the same variable simply places three colorbars on one plot.

```
a = CONTOUR(some data)
a1 = COLORBAR(TARGET=c, TITLE='K / century')
```

```
b = CONTOUR(some other data)
b1 = COLORBAR(TARGET=a, TITLE='K / century')
```

```
c = CONTOUR(some more other data)
c1 = COLORBAR(TARGET=c, TITLE='K / century')
```

In this case, i would like to associate a common scaled colorbar with each contour plot. When I attempt

```
a.major=11
```

```
a.tickname=[string([-10,-8,-6,-4,-2,0,2,4,6,8,10])
```

I only get a refined colorbar that is not associated with the contour values.

Any ideas on how to apply identical colorbars to multiple contour plots that reflect the real data values of the plots?

Thank you,
teddy allen
