
Subject: Re: NG Colorbar scaling
Posted by [David Grier](#) on Fri, 24 Sep 2010 00:13:59 GMT
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On 9/23/10 3:08 PM, Matt Haffner wrote:

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>
> On Sep 23, 1:22 pm, David Grier<david.gr...@nyu.edu> wrote:
>> I want to add a colorbar to a plot created with the new object graphics
>> system. I've colored the plot symbols individually using the
>> vert_colors keyword to the plot function. Now I want to add a colorbar
>> that explains what the plot symbols' colors mean. When I add the
>> colorbar to the plot, it shows the right color table (yay), but its axis
>> is labeled with a range of values that I do not understand.
>>
>> Is there some easy way to control the range of values on the axis of the
>> colorbar object?
>>
>> Say, for instance, I want the values on the axis of the colorbar to
>> range from 0 to 1 regardless of the actual values (or colors) of the
>> plot symbols. How do I do that?
>>
>> I've tried setting the [xyz]range keywords in the colorbar function, but
>> with no luck.
>>
>> Many thanks,
>>
>> David
>
> Caveat: I've not used that NG function much yet... I would bet that
> even if you use TARGET to link to a PLOT(), it may not map your
> VERT_COLORS to the colorbar since the mapping between real data value
> and color is completely arbitrary.
>
> However, you can create your own ticks with values using the TICK*
> keywords though. Have you tried that yet? Tacking on to the example in
> the help guide for COLORBAR, I did this:
>
> IDL> c.major = 3
> IDL> c.tickname = string([0, 0.5, 1])
>
> to change the number and labels of the colorbar.
>
> mh
```

That's the answer! So easy when it's explained!
Many thanks,

David
