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Subject: Re: Issues with cgColorbar labels

Posted by [John Ilee 2](#) on Fri, 23 Sep 2011 10:26:48 GMT

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On Sep 22, 5:17 pm, David Fanning <sageande...@gmail.com> wrote:

> On Sep 22, 8:02 am, John Ilee 2 <johnism...@googlemail.com> wrote:

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>> I have been trying to find a simple way of producing a filled contour  
>> plot with a colour bar in IDL for some time. However, I always seem  
>> to run into issues when it comes to the labels on the colour bar.

>

>> I have tried the following example from David Fanning's excellent  
>> website...

>

>> data = cgDemoData(2)

>> LoadCT, 0

>> LoadCT, 33, NColors=10, Bottom=1

>> c\_colors = Indgen(10)+1

>> position = [0.1, 0.1, 0.9, 0.75]

>> cgContour, data, NLevels=10, /Fill, Position=position,

>> C\_Colors=c\_colors

>> cgColorbar, Divisions=10, Range=[Min(data), Max(data)], XMinor=1, \$

>> XTickLen=1.0, Position=[0.1, 0.90, 0.9, 0.94], NColors=10,

>> BOTTOM=1

>

>> ...which works perfectly.

>

>> However, when I try to use the above commands with my own dataset (eg  
>> 'data = myarray', which is a 1024x512 array, min value 0.51, max value  
>> 1.27), the colour bar labels just display "1" at every tickmark.

>

>> If anyone can point me in the direction of a solution, it would be  
>> most appreciated. I know it must be something simple, but I just  
>> can't seem to figure it out.

>

>> (I am running IDL 7.1)

>

>> Many thanks.

>

> Try the FORMAT keyword on the cgColorbar. Something like

> FORMAT='(F0.2)'  
> should work.  
>  
> Cheers,  
>  
> David

That fixed it.

Thanks for all the suggestions.

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