Subject: Issues with cgColorbar labels
Posted by John Ilee 2 on Thu, 22 Sep 2011 14:02:10 GMT

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.