Subject: Contour Plot w/ Colorbar
Posted by Ammar Yusuf on Tue, 01 Feb 2011 15:11:30 GMT

Here's a picture I have: http://i.imgur.com/9tmJ2.png. It's of a contour with the color on the side vertically. The problem I'm having is that the numbers are not showing up on the colorbar and they cut off when I pull up the postscript file to excel. Here are the relevant calls that I'm making in IDL.

```
SET_PLOT, 'PS'

Device, BITS_PER_PIXEL=8, COLOR=1, /ENCAPSULATED, FILENAME =
results_folder + 'weighted_temp1' + time + '.eps', xsize = 4, ysize =
4.5712, /INCHES

contour, data, x, y, max_value = max_bright, min_value = min_bright, $
  /Fill, C_Colors = indgen(levels), background = 1, xstyle = 4, $
  ystyle = 4, levels = userLevels, /normal, color = black, $
  Position = [0.02, 0.1, 0.82, 0.80]

colorBar, NColors=levels, divisions=6, Range = [min_data, max_data], $
  format='(I5)', Position = [0.88, 0.10, 0.95, 0.90], Color = black,
$
  /vertical, /right
```

So my question is what can I do to make the numbers on the colorbar appear?

I tried changing xsize and ysize and I saw more of the numbers but it didn't help much. It made the image bigger than I wanted it. Also don't worry about the black stuff in the contour image. I did that on purpose. Thanks!

- Ammar

Subject: Re: Contour Plot w/ Colorbar
Posted by David Fanning on Wed, 02 Feb 2011 00:52:23 GMT

Ammar Yusuf writes:

> I did that but I got this error: http://i.imgur.com/6R6Mr.png.
> Then what happened after I clicked okay was it started opening up
> windows continuously on taskbar and it would not stop.
> It just kept going and I had to hit stop through IDL but even that
> took a while and made my computer go very slow.

> I was just wondering if this is a bug that I encountered. I did
> download your library 2 days ago but I know you're making
> updates.

Yes, you need the VERY latest library. I saw that on my
display once, too. I learned that my estimate of how many
graphics windows could appear on the display at once
was WAY too low! :-)

Get it quickly, though. I am just about to do the really
big name-change update and goodness *that* might take a
couple of days to settle down.

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Contour Plot w/ Colorbar
Posted by Ammar Yusuf on Wed, 02 Feb 2011 01:29:04 GMT

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On Feb 1, 7:52 pm, David Fanning <n...@dfanning.com> wrote:
> Ammar Yusuf writes:
>> I did that but I got this error:http://i.imgur.com/6R6Mr.png.
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> was WAY too low! :-)
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> big name-change update and goodness *that* might take a
> couple of days to settle down.

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> Cheers,
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> David
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Hmm weird. So I just downloaded the library from:
http://www.idlcoyote.com/programs/coyoteprograms.zip.
I'm getting that same error: http://i.imgur.com/QofMt.png. I'm using
the stuff you just gave me but
I don't know I'm doing that wrong or not. Thanks!

Subject: Re: Contour Plot w/ Colorbar
Posted by David Fanning on Wed, 02 Feb 2011 01:41:58 GMT
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Ammar Yusuf writes:

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> http://www.idlcoyote.com/programs/coyoteprograms.zip.
> I'm getting that same error: http://i.imgur.com/QofMt.png. I'm using
> the stuff you just gave me but
> I don't know I'm doing that wrong or not. Thanks!

I think it is more likely that you have several versions
of the Library on your machine and you are not running
the version you think you are running. You can try compiling
something from the library, maybe the routine that is giving
you the problems, and then type this:

   IDL> Help, /Source

I'm pretty sure you are not running the latest version.

Cheers,

David

--
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Subject: Re: Contour Plot w/ Colorbar
Posted by Ammar Yusuf on Wed, 02 Feb 2011 05:19:30 GMT
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> David
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> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Yea you're probably right. I do have another coyote library in my path
so I'll take that out.
I'll check again some time tomorrow and let you know for sure but
you're probably right.
I just want to make sure and hope that's the problem and not a bug
because I know you're
about to come out with a new release of coyote graphics right?
Thanks!

Subject: Re: Contour Plot w/ Colorbar
Posted by Ammar Yusuf on Wed, 02 Feb 2011 05:21:01 GMT
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On Feb 1, 8:41 pm, David Fanning <n...@dfanning.com> wrote:
> Ammar Yusuf writes:
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>> http://www.idlcoyote.com/programs/coyoteprograms.zip.
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Subject: Re: Contour Plot w/ Colorbar
Posted by David Fanning on Wed, 02 Feb 2011 05:30:17 GMT
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Ammar Yusuf writes:

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> you're probably right.
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> about to come out with a new release of coyote graphics right?

I'm not claiming the code is bug free, but
I've got over 30 people reading chapters and

typing code. I'm pretty sure the code is working
reasonably well.

Throw *all* your Coyote Library routines away,
and start with a fresh download. I'm *sure* my example
will run. :-)

I'm holding off on a new distribution until I have
a chance to get my web pages back into business with
all the new names of routines, etc. It may be some
time.

Cheers,

David

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Subject: Re: Contour Plot w/ Colorbar
Posted by Ammar Yusuf on Wed, 02 Feb 2011 22:38:04 GMT
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On Feb 2, 12:30 am, David Fanning <n...@dfanning.com> wrote:
> Ammar Yusuf writes:
>> Yea you're probably right. I do have another coyote library in my path
>> so I'll take that out.
>> I'll check again some time tomorrow and let you know for sure but
>> you're probably right.
>> I just want to make sure and hope that's the problem and not a bug
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Hi David, I just wanted to let you know that I took out the old
library files and replaced it
with the new ones and it worked so it was a problem on my end. I was
playing around with it
and the only thing was that the color bar came out half in the color
from the table and the
top half was gray. Just wondering if you know why off the top of your
head. If not it's fine
because I probably made a mistake on my part but didn't dig further
because I didn't need anymore.
Just for future reference.

Thanks!

Subject: Re: Contour Plot w/ Colorbar
Posted by David Fanning on Wed, 02 Feb 2011 22:49:30 GMT
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Ammar Yusuf writes:

> Hi David, I just wanted to let you know that I took out the old
> library files and replaced it
> with the new ones and it worked so it was a problem on my end. I was
> playing around with it
> and the only thing was that the color bar came out half in the color
> from the table and the
> top half was gray. Just wondering if you know why off the top of your
> head. If not it's fine
> because I probably made a mistake on my part but didn't dig further
> because I didn't need anymore.
> Just for future reference.

I'd guess, off hand, because those were the colors
you had loaded in the color table. :-)

Cheers,

David

--
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