Subject: Contour labels in IDL 8.0
Posted by OUWxGuesser on Tue, 05 Oct 2010 15:32:20 GMT
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Greetings,

I'm having a heck of a time trying to get my contour labels to look
reasonable in IDL 8.0.

If I use a y axis that is in reverse (for example plotting atmospheric
pressure data from 1000 mb (at y=0) up to 100mb (y=36 in this case),
all of my labels are flipped vertically (not upside-down). I have
tried to specify the baseline and updir in the contour command in
combination with setting C_USE_LABEL_ORIENTATION=1, but these fail to
change the labels. Very frustrating.

Here's a snippet of code:

```
 data=fltarr(12,37)    (for reference)

yvals=[1000,850,700,600,500,400,300,200,100]

x=indgen(12)+1

p=1000-25*indgen(37)

image=contour(data,x,p,n_levels=ncol,c_value=clevs,/
ylog,yrange=[1000,100],xrange=[1,12],$
 ytickv=yvals,xtickv=x,C_USE_LABEL_ORIENTATION=1,C_LABEL_SHOW =[0,1])
```

(I omitted the baseline/updir keywords... I tried just about every
combination of 0,1,-s, but nothing seems to impact the labeling.

If any of you can find something inherently wrong with my code OR know
how to get this to work I would be extremely happy! Other than this
issue, I've been relatively pleased with the transition to the new
graphics system.

Subject: Re: Contour labels in IDL 8.0
Posted by Brian McNoldy on Thu, 11 Aug 2016 17:24:54 GMT
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I see this post is about 6 years old, but I'm wondering if there has ever been a remedy?? I am
using 8.4 and am having exactly the same problem.

I have a filled contour plot with a reverse ylog axis (1000 up to 50), and then overplot line contours
with their labels. The labels get plotted, but some of them are upside-down, some are correct,

and some are very distorted. I have an example of a plot at
http://andrew.rsmas.miami.edu/bmcnoldy/tmp/contour_labels.pn g

I'm guessing that the labeling doesn't like the ylog part (distortion) and REALLY doesn't like the reverse ylog part (upside-down).

Thanks!
Brian

On Tuesday, October 5, 2010 at 11:32:20 AM UTC-4, OUWxGuesser wrote:
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>
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> issue, I've been relatively pleased with the transition to the new
> graphics system.

Subject: Re: Contour labels in IDL 8.0

Posted by Brian McNoldy on Thu, 18 Aug 2016 14:00:53 GMT

This is still confounding me... I cannot get the contour labels to appear upright on a reversed y axis, nor can I get contour labels to appear undistorted on a log axis. And unfortunately, my plots involve BOTH (my y axis is atmospheric pressure), and I can't get anything that is acceptable to use (see example in previous post).

Is this a bug in the CONTOUR function, or am I not doing something correctly? Here is the essence of my code:

```
c1=contour(array,x,y,/fill,/ylog,c_value=findgen(81)*0.5,$
    xrange=[0,500],yrange=[1000,50])
 c2=contour(array,x,y,c_value=findgen(21)*5,c_label_show=1,c_ color=0,color='black',/overplot)
```

Thanks!
Brian

On Tuesday, October 5, 2010 at 11:32:20 AM UTC-4, OUWxGuesser wrote:
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> graphics system.

Subject: Re: Contour labels in IDL 8.0
Posted by louiesun2016 on Wed, 28 Sep 2016 18:24:10 GMT
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On Thursday, August 18, 2016 at 7:00:55 AM UTC-7, Brian McNoldy wrote:
> This is still confounding me... I cannot get the contour labels to appear upright on a reversed y
axis, nor can I get contour labels to appear undistorted on a log axis. And unfortunately, my plots
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> Thanks!
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```

I am also facing with the same problem