Subject: Re: bug in contour
Posted by Chris Lee on Thu, 21 Aug 2003 08:37:51 GMT
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In article <bhtlgr$ao62$1@zam602.zam.kfa-juelich.de>, "Reimar Bauer"
<R.Bauer@fz-juelich.de> wrote:

> R.G. Stockwell wrote:
>
>> So, the combo of
>> 1) xylog=1,
>> 2) /fill or /cell,
>
>> 3) particular range of values (i.e. it almost looks like there are no
>> major ticks being plotted
> Good idea
> a workaround is to use yticky and yticks. Then they are major ticks.
> pro test_contour
> erase
> loadct,15
> x=findgen(100)
> y=findgen(100)/99.*70+20
> z=findgen(100,100)
> CONTOUR,z,x,y,/ylog,ystyle=1,/fill,ytickv=[20,30,40,50],ytic ks=3 end
> Reimar
>
>> cause a bug in the axis labelling
>> IDL 6.0, win2000
>> -bob
>

The bug is caused by IDL plotting in log coordinates for the axis, 1.3
is alog10(20). Try giving the contour a range between 11 and 99, the
number you get on the axis is alog10(min_range)

```
pro contour_test
x=findgen(100)
y=findgen(100)/99.*70+20
z=findgen(100,100)
number=14
CONTOUR,z,x,y,/ylog,ystyle=1,/fill,yrange=[number,max(y)]
;the axis will show 1.14 for number=14
end
```

For some reason, this only happens with when using /fill (I don't see a
problem using /cell_fill) and when the range is less than one unit in
log_10 space (1->10,10->100, 100->1000 etc.). Setting 'number=9' above

fixes the problem, but doesn't lood good.

--
Chris.