Subject: map_set problem
Posted by sterner on Fri, 23 Feb 1996 08:00:00 GMT

The following does not work for me for IDL. Version 4.0.1 (hp-ux hp_pa):

    map_set,40,52.1,/cont

  but map_set,40,52.2,/cont does work ok.

  Does this problem occur on other systems besides HP?

  By the way, a workaround is adding or subtracting 360 to the
  longitude (Longitude must be in range of +/- 360 degrees).

  Ray Sterner   sterner@tesla.jhuapl.edu
  The Johns Hopkins University   North latitude 39.16 degrees.
  Applied Physics Laboratory   West longitude 76.90 degrees.
  Laurel, MD 20723-6099
  WWW Home page: http://fermi.jhuapl.edu/s1r/people/res/res.html

Subject: Re: map_set problem
Posted by zawodny on Fri, 23 Feb 1996 08:00:00 GMT

In article <sterner.825033938@warble.jhuapl.edu> sterner@warble.jhuapl.edu (Ray Sterner)
writes:
>   The following does not work for me for IDL. Version 4.0.1 (hp-ux hp_pa):
>
>   map_set,40,52.1,/cont
>
>   but map_set,40,52.2,/cont does work ok.
>
>   Does this problem occur on other systems besides HP?

I have the same problem with IDL 4.0 running on a DEC alpha under
Digital UNIX.
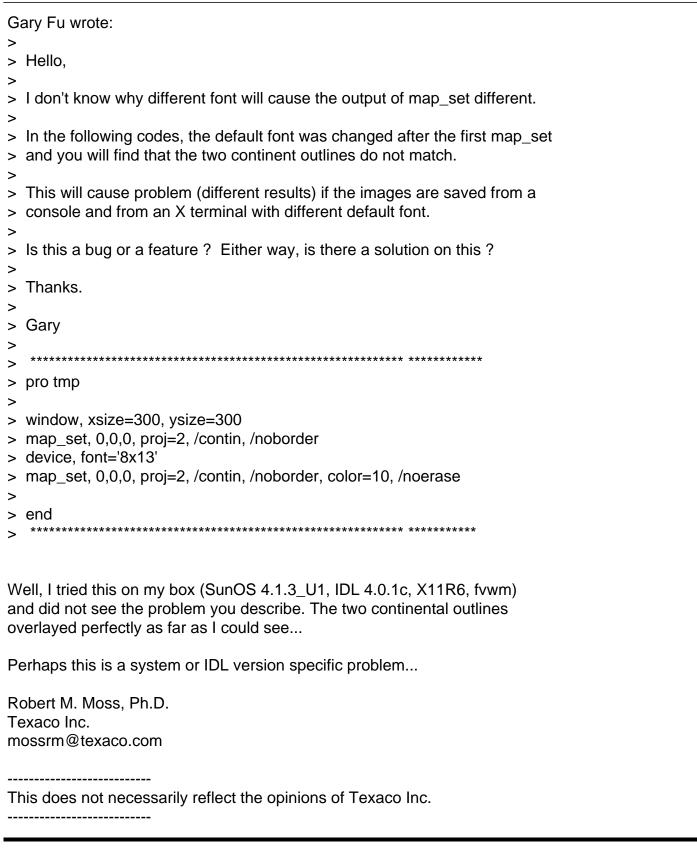
Really quite strange, isn't it?

--
 Dr. Joseph M. Zawodny   KO4LW   NASA Langley Research Center
 E-mail: J.M.Zawodny@LaRC.NASA.gov   MS-475, Hampton VA, 23681-0001

Subject: Re: map_set problem

Gary Fu wrote:

>
> Hello,
>
> I don't know why different font will cause the output of map_set different.
>
> In the following codes, the default font was changed after the first map_set
> and you will find that the two continent outlines do not match.
>
> This will cause problem (different results) if the images are saved from a
> console and from an X terminal with different default font.
>
> Is this a bug or a feature ? Either way, is there a solution on this ?
>
> Thanks.
>
> Gary
>
> ** ************
> pro tmp
>
> window, xsize=300, ysize=300
> map_set, 0,0,0, proj=2, /contin, /noborder
> device, font='8x13'
> map_set, 0,0,0, proj=2, /contin, /noborder, color=10, /noerase
>
> end
> ** **********

Well, I tried this on my box (SunOS 4.1.3_U1, IDL 4.0.1c, X11R6, fvwm)
and did not see the problem you describe. The two continental outlines
overlayed perfectly as far as I could see...

Perhaps this is a system or IDL version specific problem...

Robert M. Moss, Ph.D.
Texaco Inc.
mossrm@texaco.com

This does not necessarily reflect the opinions of Texaco Inc.

Subject: Re: map_set problem
Posted by btt on Wed, 24 Nov 2004 13:51:17 GMT
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Reimar Bauer wrote:
> Dear all
>
> please could someone try the following example:
>
>
> The first grid line is not continous it is shifted about one pixel on my
> screeen. Did you see the same behaviour?
>

Yes, I do see this break in the grid line. Had to change COLOR = 1 to see it.
{ ppc darwin unix Mac OS X 6.1 Jul 14 2004   32   32}

The problem (almost) goes away if the HORIZON = 1 keyword is added to you
map_init structure. The correct line is drawn as well as the shifted pixels.

Ben
>
> pro map_bug
> TEK_COLOR
> map_init={$
>   color:1,$
>   con_color: 3,$
>   mlinethick:0,$
>   mlinestyle:0,$
>   glinethick:0,$
>   glinestyle:0,$

>

Subject: Re: map_set problem
Posted by K. Bowman on Wed, 24 Nov 2004 15:32:26 GMT
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In article <co1nul$7j3s$1@zam602.zam.kfa-juelich.de>,
 Reimar Bauer <R.Bauer@fz-juelich.de> wrote:

> Dear all
>
> please could someone try the following example:
>
>

> The first grid line is not continous it is shifted about one pixel on my
> screeen. Did you see the same behaviour?

Hi Reimar,

I have completely given up on trying to use MAP_GRID to draw grids for
cylindrical projections. I always have problems at the left and right
edge and near the poles.

No amount of whining in this news group has helped. ;-)

The only approach I have found that works is something like the example
below. It is not general, but could be made so.

Ken Bowman


```
MAP_SET, /CYLINDRICAL, /ISOTROPIC, /CONT, /NOBORDER

xy1 = CONVERT_COORD(-180.0, -90.0, /TO_NORMAL)  ;Lower left corner
xy2 = CONVERT_COORD( 180.0,  90.0, /TO_NORMAL)  ;Upper right corner
x1 = xy1[0]
x2 = xy2[0]
y1 = xy1[1]
y2 = xy2[1]

nx = 4
dx = (x2 - x1)/nx
FOR i = 0, nx DO PLOTS, x1 + i*[dx, dx], [y1, y2], /NORMAL

ny = 6
dy = (y2 -y1)/ny
FOR j = 0, ny DO PLOTS, [x1, x2], y1 + j*[dy, dy], /NORMAL
```

Subject: Re: MAP_SET problem
Posted by pgrigis on Fri, 19 Sep 2008 20:54:25 GMT
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sure we could explain this... but why don't you try to figure it out
for yourself? Just try to run the commands one at a time and observe
their effect. That will go a long way teaching you how to find
problems
in your code.

Cheers,
Paolo

xiao wrote:
> HI~ guys, I have a problem here. I wrote the following program but the
> map_set command does show the grid lines , why is that? Thank you
>
> dimg is a two dimensional array ranging from 0 to 10
>
>
> device, decomposed=0,retain=2
>   window,1,xsize=np,ysize=nl+10
> !P.background=FSC_Color('Gray')
>   dd=fltarr(np,nl+10,3)
>   dd(*,*,*)=255
>   tv,dd,true=3
>   ;; 0 1 2 3 4 5 6 7 8 9 10 11 12
>   r=[255,255,000,204,000,153,102,051,123]
>   g=[255,102,102,153,204,102,000,204,157]
>   b=[255,153,102,102,102,204,051,204,190]
> tvlct,r,g,b
>
> lat_min=-38.18
> lat_max=-26.82
>
> lon_min=111.85
> lon_max=123.15
>
> Map_set,/continent,/grid,/
> noerase,limit=[lon_min,lon_min,lat_max,lon_max],$
>   charsize = 1.5,COLOR=0
>
> TV,dimg,order=1

Subject: Re: MAP_SET problem
Posted by David Fanning on Fri, 19 Sep 2008 20:55:41 GMT
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xiao writes:

> HI~ guys, I have a problem here. I wrote the following program but the
> map_set command does show the grid lines , why is that?

I'm going to guess because you told it to with the GRID keyword.

Or, do you mean it does NOT show the grid lines? If this is
the case, you usually have to redraw the GRID lines and
continents over again after you display the image. Use
MAP_GRID and MAP_CONTINENTS to do so. (I usually leave

these keywords off the MAP_SET command because they do
absolutely no good if you are going to display an image in
the map.)

Cheers,

David

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

Subject: Re: MAP_SET problem
Posted by Jean H. on Fri, 19 Sep 2008 21:20:09 GMT
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> noerase,limit=[lon_min,lon_min,lat_max,lon_max],$
>   charsize = 1.5,COLOR=0
>

you have a typo, try with:

[lat_min,lon_min,lat_max,lon_max]

Jean

Subject: Re: MAP_SET problem
Posted by xiao zhang on Sun, 21 Sep 2008 20:53:22 GMT
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On Sep 19, 4:20 pm, Jean H <jghas...@DELTHIS.ucalgary.ANDTHIS.ca>
wrote:
>> noerase,limit=[lon_min,lon_min,lat_max,lon_max],$
>>   charsize = 1.5,COLOR=0
>
> you have a typo, try with:
>
> [lat_min,lon_min,lat_max,lon_max]
>
> Jean

Thank you very much :)