
Subject: Re: Why the contour does not show?

Posted by [xiao zhang](#) on Sat, 22 Nov 2008 23:06:50 GMT

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On Nov 22, 4:27 pm, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:

> xiao schrieb:

>

>

>

>> On Nov 21, 6:27 pm, David Fanning <n...@dfanning.com> wrote:

>>> xiao writes:

>>>> Sorry I have to ask again, i tried to scaled my data, and the result

>>>> is right, but when I try to plot it, it just show me very few colors

>>>> (almost bright color) Is it because of my color table? David? Thank

>>>> you. BTW: i did scale it from 0 to 255.

>>> Well, I don't think the CONTOUR command knows anything

>>> about 24-bit colors. He is older, even, than I am. :-)

>

>>> It's an odd color table, but why don't you just

>>> load the colors and then tell the Contour command

>>> to use an index into the color table, like this:

>

>>> TVLCT, r, g, b

>>> IF (!D.Flags AND 256) NE 0 THEN \$

>>> Device, Decomposed=0, Get_Decomposed=theState

>>> CONTOUR,, C_Colors=Indgen(64),

>>> IF (!D.Flags AND 256) NE 0 THEN \$

>>> Device, Decomposed=theState

>

>>> That might work better. At least it is a place to start.

>

>>> 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.")

>

>> Sorry, David, it does not work :(I am trying to think where the

>> problem should be....

>

> please post a complete example of what you have now. That is easier to

> understand.

>

> cheers

> Reimar

Sorry, here u go, the result is a gray image but I want it from read to green :(

```
numColors = 48
tvlct, r,g,b,/get
```

```
    r(0:63)=
[255,238,221,204,187,170,153,136,119,102,85,68,51,34,17,0,0, 0,0,$
0,0,0,0,0,7,15,23,31,38,46,54,62,86,110,134,158,182,206,$
230,255,255,255,255,255,255,255,255,255,255,255,255,255, 255,$
255,255,255,255,255,255,255,255,255,255]
```

```
    g(0:63)=
[255,238,221,204,187,170,153,136,119,102,85,68,51,34,17,0,0, 0,0,$
0,0,0,0,0,28,56,84,112,140,168,196,224,227,231,235,239,243,2 47,$
251,255,249,243,237,232,226,220,214,209,182,156,130,104,78,5 2,$
26,0,0,0,0,0,0,0,0,0]
```

```
    b(0:63)=
[255,238,221,204,187,170,153,136,119,102,85,68,51,34,17,0,0, 36,$
72,109,145,182,218,255,223,191,159,127,95,63,31,0,0,0,0,0, 0,$
0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,31,63,95,127,159,191,223 ,255]
```

; calcualte the true color index of each color defined above

```
cn = r + 256L * ( g + 256L * b)
```

```
help,cn
min = min(inits)
max = max(inits)
inits = (inits-min)/(max-min)
```

```
inits = inits*48 + 16
inits=fix(inits)
print,max(inits),min(inits)
```

```
map_set,/CYLINDRICAL,limit=[-34.3842,min(lon),-31.6985,max
(lon)],color=0,/noborder
map_grid, color=0
```

```
map_continents,/countries, /coasts, color=0
```

```
contour,init,color=0,title='Sensible heat flux', /device,  
NOERASE,xrange=[0,76],/xstyle,xTICKINTERVAL=73,xTICKNAME=[lon1(0),lon1  
(3)],$  
yrange=[0,73],/ystyle,yTICKINTERVAL=73,yTICKNAME=[lat1(3),lat1(0)],  
$  
C_COLORS=cn,/CELL_FILL, NLEVELS=20
```

```
Contour, init, Color=0, NLEVELS=20,/Overplot
```
