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Subject: Re: Anyone can explain this?

Posted by [David Fanning](#) on Sun, 07 Dec 2008 23:45:45 GMT

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xiao writes:

> Hi ~ guys. I have a question about the contour command. When I call  
> it like this:  
> ...  
> It shows me the right color and I can change the color in the contour  
> command, Why is that? Any one got ideas?

The contour command requires that you use index colors. Load your R, G, and B vectors into the color table, then set up C\_COLOR like this:

```
Device, Get_Decomposed=theState, DECOMPOSED=0
TVLCT, r, g, b, 1
Map_Set, ...
CONTOUR, ....., C_COLORS=Indgen(64)+1B
Device, DECOMPOSED=theState
```

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.")

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Subject: Re: Anyone can explain this?

Posted by [xiao zhang](#) on Tue, 09 Dec 2008 01:49:07 GMT

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On Dec 7, 5:45 pm, David Fanning <n...@dfanning.com> wrote:

> xiao writes:  
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> TVLCT, r, g, b, 1  
> Map\_Set, ...  
> CONTOUR, ....., C\_COLORS=Indgen(64)+1B  
> Device, DECOMPOSED=theState  
>  
> 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.")

Thank you very much David~

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Subject: Re: Anyone can explain this?

Posted by [xiao zhang](#) on Wed, 10 Dec 2008 17:32:20 GMT

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On Dec 7, 5:45 pm, David Fanning <n...@dfanning.com> wrote:

> xiao writes:  
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> Map\_Set, ...  
> CONTOUR, ....., C\_COLORS=Indgen(64)+1B  
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> David  
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> David Fanning, Ph.D.  
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> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Sorry, David, But i have another question, I suddenly realized that my map did not show the continent line. The continent line was erased by the contour . But if I put the map\_grid and map\_continents after the contour, it showed me the error :

-Current plotting device must have mapping coordinates..

I think i have used the overplot and noerase key word in contour command. But it still does not shown.....

Thanks ~~~ :)

```
map_set,/grid, /continents,/CYLINDRICAL,limit=
[-31.6166,118.4641,-34.2542,121.6421],$
color=64,/noborder,ymargin=[15,5],/NOERASE
```

```
;map_grid, color=64, /device
;map_continents,/countries, /coasts, color=64, /device
```

```
contour,u3,color=64,title='U 0.1 m/s For Grid3 Init', /device,/
NOERASE,xrange=[0,76],$
/xstyle,xTICKINTERVAL=73,xTICKNAME=[118.4641,121.6421],$
yrange=[0,74],/ystyle,yTICKINTERVAL=73,yTICKNAME=
[-31.6166,-34.2542], $
C_COLORS=cn1,/cell_FILL,nLEVELS=48,ymargin=[15,5]
Contour, u3, Color=63,/Overplot,nLEVELS=48,/NOERASE, /device
```

```
map_grid, color=64, /device
map_continents,/countries, /coasts, color=64, /device
```

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