
Subject: Re: Am I using FSC_colorbar correctly?

Posted by [David Fanning](#) on Thu, 11 Nov 2010 16:37:28 GMT

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Ryan. writes:

> Could someone be kind enough to double check my code to make sure I'm
> using David Fanning's fsc_colorbar.pro routine correctly? I've read
> the article on his website on contiguous colors and I think I've
> configured it correctly but some results are wonky so I want to rule
> out plotting error. I've also downloaded a recent copy of David's
> library because I know he recently changed the colorbar routine name.

I'm not sure what "wonky" means in this context, but
I would certainly change the "color" parameter to
"annotatecolor", otherwise you might see a black
color in your color bar.

http://www.dfanning.com/color_tips/lineinct.html

Is that what "wonky" means?

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: Am I using FSC_colorbar correctly?

Posted by [David Fanning](#) on Thu, 11 Nov 2010 16:43:53 GMT

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Ryan. writes:

```
> colorbardetails = create_struct( $  
>     'vertical', 1, $  
>     'right', 1, $  
>     'bottom', 0, $  
>     'ncolors', 250, $  
>     'color', BLACK, $  
>     'range', [tmin, tmax] $  
> )
```

I would specify this structure like this:

```
colorbardetails = create_struct( $  
    'vertical', 1, $  
    'right', 1, $  
    'bottom', 0, $  
    'ncolors', 250, $  
    'annotatecolor', "black", $  
    'range', [tmin, tmax] $  
    )
```

Cheers,

David

--

David Fanning, Ph.D.

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Subject: Re: Am I using FSC_colorbar correctly?

Posted by [rchughes](#) on Thu, 11 Nov 2010 17:21:35 GMT

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Wow, I get the man himself! The ideal person to help me set it up correctly.

I've read that article and I don't have the black line in my colorbar. The "wonky" part of my plots is that the color is shifted in the plot. If you take a look at this plot (<http://brutus.uwaterloo.ca/~rchughes/misc/snrvsoldst2008.jpg>) you'll see that the cyan (or hotter) doesn't always line up with the "V" dip in the plot. This is indirectly showing satellite orbital geometry which is quite predictable and these values don't make much sense.

As I was waiting for a reply to my post, I was working on something else which could be the problem. From this it looks like it could be a misalignment of data in my input arrays. I'm using where() to remove some points with no data and it looks like the 'dates' array got handled differently. Which makes sense from the plot because more data points in the dates array would lead to this problem.

David, thanks for looking it over and for a great IDL library.
Ryan.

On Nov 11, 11:37 am, David Fanning <n...@dfanning.com> wrote:

> Ryan. writes:

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> Cheers,

>

> David

>

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

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Subject: Re: Am I using FSC_colorbar correctly?

Posted by [David Fanning](#) on Thu, 11 Nov 2010 17:52:54 GMT

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Ryan. writes:

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> brutus.uwaterloo.ca/~rchughes/misc/snrvsoldst2008.jpg) you'll see
> that the cyan (or hotter) doesn't always line up with the "V" dip in
> the plot. This is indirectly showing satellite orbital geometry which
> is quite predictable and these values don't make much sense.

Yeah, I don't think you can blame the color bar for that.
It pretty much just does what you tell it to do. It's more
like a well-trained dog than it is like a wife who is
smarter than you and knows what you mean to say, rather
than what you actually say. :-)

Cheers,

David

--

David Fanning, Ph.D.

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Sepore ma de ni thui. ("Perhaps thou speakest truth.")
