

---

Subject: Re: FSC\_COLORBAR

Posted by [David Fanning](#) on Wed, 31 Aug 2011 20:40:53 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Vito writes:

> I was using colorbar\_\_define.pro routine to draw colobars and it  
> worked fine in IDL 7.0. But now, with the 8.0 version, I'm using  
> fsc\_colobar.pro function and it doesn't work. I got the message:  
>  
> FSC\_Colorbar::Draw Method: Attempt to call undefined method:  
> 'FSC\_COLORBAR::POSITION'.  
>  
> When I run the same code using fsc\_colobar.pro in IDL 7.0 it works!!  
> But in IDL 8.0 the same code is not working.  
>  
> Anyone else has had this problem?

No. :-)

I would suspect a Library conflict with some other software.  
What happens when you type this command:

```
IDL> Print, File_Which('fsc_colorbar__define.pro')
```

Does that print out the location of your one and only  
Coyote Library? :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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

---

---

Subject: Re: FSC\_COLORBAR

Posted by [Vito](#) on Wed, 31 Aug 2011 22:20:58 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On Aug 31, 5:40 pm, David Fanning <n...@dfanning.com> wrote:

> Vito writes:

>> I was using colorbar\_\_define.pro routine to draw colobars and it

>> worked fine in IDL 7.0. But now, with the 8.0 version, I'm using  
>> fsc\_colobar.pro function and it doesn't work. I got the message:  
>  
>> FSC\_Colorbar::Draw Method: Attempt to call undefined method:  
>> 'FSC\_COLORBAR::POSITION'.  
>  
>> When I run the same code using fsc\_colobar.pro in IDL 7.0 it works!!  
>> But in IDL 8.0 the same code is not working.  
>  
>> Anyone else has had this problem?  
>  
> No. :-)  
>  
> I would suspect a Library conflict with some other software.  
> What happens when you type this command:  
>  
> IDL> Print, File\_Which('fsc\_colorbar\_\_define.pro')  
>  
> Does that print out the location of your one and only  
> Coyote Library? :-)  
>  
> 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.")

Hi David, thanks for answering.

Yes, the command printed out only my Coyote Library!

I have installed in my PC both IDL versions, 7.0 and 8.0. Could that be a problem?

I checked my code and everything seems to be right, since it works in version 7.0.

Another error message I got in IDL 8.0 is "Error in Draw Method. Returning..." :-(

Vito.

---

---

Subject: Re: FSC\_COLORBAR

Posted by [David Fanning](#) on Wed, 31 Aug 2011 22:49:06 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Vito writes:

> Yes, the command printed out only my Coyote Library!  
>  
> I have installed in my PC both IDL versions, 7.0 and 8.0. Could that  
> be a problem?  
>  
> I checked my code and everything seems to be right, since it works in  
> version 7.0.  
>  
> Another error message I got in IDL 8.0 is "Error in Draw Method.  
> Returning..." :-(

Well, I'm not convinced. What kind of a machine are you running this on? :-)

Do you have any astronomy library installed? In particular, do you have the SolarSoft library installed?

Is there a particular reason you want to use this object color bar anyway? I'll be honest with you, I think I've used it twice in my life. I just find cgColorbar so much more convenient for nearly everything I do that needs a color bar.

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: FSC\_COLORBAR

Posted by [Jeff\[2\]](#) on Wed, 31 Aug 2011 23:37:54 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On Aug 31, 7:49 pm, David Fanning <n...@dfanning.com> wrote:

> Vito writes:  
>> Yes, the command printed out only my Coyote Library!

>  
>> I have installed in my PC both IDL versions, 7.0 and 8.0. Could that  
>> be a problem?  
>  
>> I checked my code and everything seems to be right, since it works in  
>> version 7.0.  
>  
>> Another error message I got in IDL 8.0 is "Error in Draw Method.  
>> Returning..." :-(  
>  
> Well, I'm not convinced. What kind of a machine are you  
> running this on? :-)  
>  
> Do you have any astronomy library installed? In particular,  
> do you have the SolarSoft library installed?  
>  
> Is there a particular reason you want to use this  
> object color bar anyway? I'll be honest with you,  
> I think I've used it twice in my life. I just find  
> cgColorbar so much more convenient for nearly everything  
> I do that needs a color bar.  
>  
> 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.")

I have a PC intel core i5, it's an usual desktop.  
My only library installed in the machine is the Coyote!  
I didn't know there was a better routine to draw color bars. I'll try  
to use cgColorbar.  
Thanks for the tip.  
Vito

---

Subject: Re: FSC\_COLORBAR  
Posted by [David Fanning](#) on Wed, 31 Aug 2011 23:45:05 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Esquerdo writes:

> I have a PC intel core i5, it's an usual desktop.  
> My only library installed in the machine is the Coyote!

> I didn't know there was a better routine to draw color bars. I'll try  
> to use cgColorbar.

Better get the book! Today is the last day of the  
sale. :-)

<http://www.idlcoyote.com/books/>

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: FSC\_COLORBAR

Posted by [Bob\[4\]](#) on Thu, 01 Sep 2011 21:12:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I really like cgColorbar but it needs two small changes to really work right. These are to change the default format to " and divisions to 0 (ie, let plot choose). See below for a diff. If you try the following with the default and modified version it will be clear why these are better defaults:

cgcolorbar, minrange=-1, maxrange=1

diff a/cgcolorbar.pro b/cgcolorbar.pro

84c84

< ;               be (divisions + 1) annotations. The default is 6.

---

> ;               be (divisions + 1) annotations. The default is chosen internally.

94c94

< ;    FORMAT:     The format of the bar annotations. Default is '(I0)'.

---

> ;    FORMAT:     The format of the bar annotations. Default is ".

368c368

<    IF N\_ELEMENTS(format) EQ 0 THEN format = '(I0)'

---

>    IF N\_ELEMENTS(format) EQ 0 THEN format = "

378c378

<    IF N\_ELEMENTS(divisions) EQ 0 THEN divisions = 6

---

>    IF N\_ELEMENTS(divisions) EQ 0 THEN divisions = 0

---

Subject: Re: FSC\_COLORBAR

Posted by [David Fanning](#) on Thu, 01 Sep 2011 21:28:05 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Bob writes:

> I really like cgColorbar but it needs two small changes  
> to really work right. These are to change the default format  
> to " and divisions to 0 (ie, let plot choose). See below  
> for a diff. If you try the following with the default  
> and modified version it will be clear why these are  
> better defaults:

I guess a definition of "work right" depends on what you do with it. cgColorbar has "worked right" for me for quite a few years. :-)

Getting a color bar to "work right" is probably why IDL never provided one. This routine, probably more than most, allows you to do pretty much everything that needs to be done. In that sense, it probably works OK, at the very least.

But, you may be right. I know I chose the default format of "I0" specifically so that it would be "wrong" in some instances so that people would have to go looking for how to make it right. After I did that, and people discovered that there was actually documentation in the file(!), my support calls went way down. :-)

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: FSC\_COLORBAR

Posted by [Bob\[4\]](#) on Thu, 01 Sep 2011 21:36:03 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

OK, perhaps I should have said "work better" :-)

Did you try the example I gave w/ and w/o the changes?

Bob

---