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Subject: Re: log scale colorbar in IDL 8.0

Posted by [pgrigis](#) on Thu, 19 May 2011 19:36:09 GMT

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On May 19, 12:53 pm, David Fanning <n...@idlcoyote.com> wrote:

> David Fanning writes:

>

>> Paolo writes:

>

>>> By the way, the cg version doesn't seem to be properly  
>>> honoring the axis ranges. For instance, a y range of  
>>> [-100,100] should show an image only in the upper half  
>>> of the axis, as the image y-range is only [0,127]...

>

>>> (well one could wonder why would you plot that way...  
>>> but the idea behind pg\_plotimage was to plot an image the  
>>> same way you would use "plot"...)

>

>> Hi Paolo,

>

>> I have no trouble fixing this for the display, but  
>> I can't make it write a proper PostScript file. I've  
>> gone back to the original code, and I can't make that  
>> program write a proper PostScript file with this command  
>> either! Have you ever tried to write a PostScript file  
>> with the commands above in your original program? :-)

>

> Here is the code I am using with your original program.

>

```
> loadct,5
> im=dist(128,128)
> x=findgen(128)
> y=findgen(128)
> ps_start, filename='test_1.ps'
> pg_plotimage,im,x,y,xrange=[5,100],$
>   yrange=[5,100],/xstyle,/ystyle,/xlog
> ps_end
> ps_start, filename='test_2.ps'
> pg_plotimage,im,x,y,xrange=[5,100],$
>   yrange=[-100,100],/xstyle,/ystyle,/xlog
> ps_end
> END
```

>

> test\_1.ps seems to be fine. But test\_2.ps is  
> bugged. :-)

It turns out it was a simple (i.e. stupid) bug  
with two indices that were 0 and should have

been 1.

Since it turns out I let my password expire I can't update the version on the CfA webpage right now, but you can find the fixed version on:

[http://www.grigis.ch/pg\\_plotimage.pro](http://www.grigis.ch/pg_plotimage.pro)

Or manually fix the indices from 0 to 1 at the end of lines 249 and 252.

Ciao,  
Paolo

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

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