

---

Subject: Re: output from cghistoplot draws outline correctly but the fill is shifted!?

Posted by [David Fanning](#) on Thu, 21 May 2015 21:34:45 GMT

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

---

mynameismunka@gmail.com writes:

```
>
> Hi y'all,
>
> I'm using cghistoplot to make some histograms but a funny thing happens. One of my plots has
the color filling shifted by one bin!
>
> http://i.imgur.com/9llvkQZ.png
>
>
> The outline is in the correct spot but the fill isn't. If I switch to line_fill it seems to work
>
> http://i.imgur.com/h6cWxFt.png
>
> Even when I'm not plotting 3 plots the same data still causes this shift
>
> Here is the bit where I plot the center plot...
>
> cghistoPlot, 10^tbl.sfr,ytitle="",xr=[0,180],$
> yr=[0,100],xtitle='SFR',pos=midplotpos,ytickname=replicate(' ',10),xtickname=["","","","","'"],$
> mininput=0.0,binsize=5.0,maxinput=180.0,DATACOLORNAME='black ',/noerase,$
> thick=8,/outline,/FILLPOLYGON,polycolor='dodger
blue',histdata=histdatas1,locations=locationss1,$
> yminor=10
```

I would be curious to know at this spot in the code if the requested X range is the same as the calculated X range. In other words:

```
Print, xrange
Print, !X.CRange
```

Are these the same when the following line is executed?

```
> index=where(10^(sfrarr) gt 0.01 and 10^(sfrarr) lt 250)
> cghistoPlot, 10^(sfrarr[index]),$
> mininput=0.0,binsize=5.0,maxinput=180.0,/oplot,$
> THICK=8,/fill,datacolorname='black',/outline,polycolor='red' ,$
> line_thick=18,orientation=45
>
>
> I'm not sure what is going wrong. I copy-pasted the code for each of the plots and only
changed the plotting ranges and the data plotted. Does anyone have any clue as to whats going
on here?
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

---