
Subject: Re: bar_plot barnames

Posted by [Vince Hradil](#) on Wed, 19 Mar 2008 20:38:00 GMT

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bar_names wants a string array - so it does it "on the fly". Try
obs_hours = sindgen(24)

Indy wrote:

```
> Hi All,  
>  
> I am having a problem with the BARNAMES keyword in BAR_PLOTS. My  
> array, hours=sindgen(24) to represent 0 to 23 hours in a day, is offset  
> by to the right by just over 1 tick. So the bars line up with the  
> ticks correctly, but the numbers along the bottom are shifted. The  
> max is at 1400, but if you just read the numbers along the x-axis,  
> below, the ticks, you'd interpret this as 1300.  
>  
> The small bit of plotting code is below...  
>  
> ; Hours Per Day  
> obs_hours = sindgen(24)  
>  
> ;make 2 plots on 1 row 0 remain on the page  
> !P.MULTI=[0,2,1]  
>  
> ;turns off color table  
> DEVICE, DECOMPOSED=0  
>  
> ;make axes black  
> !P.COLOR=2  
>  
> LOADCT, 3, NCOLORS=24,BOTTOM=1  
> colorIndices = sindgen(24)+1  
> window, xsize = 1000, ysize = 500  
>  
> ; ADJUST THE Y axis for Hourly FRP  
> !Y.RANGE = [0,MAX(frp_hourly)*1.1]  
>  
> bar_plot, frp_hourly, COLORS=colorIndices, BARNAMES=obs_hours, $,  
> BACKGROUND=255, BARWIDTH=0.75, BARSPACE=0.2, $  
> TITLE = 'Hourly Total FRP' , $  
> XTITLE = 'Local Hour (UTC+2)', $  
> YTITLE = 'FRP(MW)'
```
