
Subject: Re: bar_plot barnames
Posted by [Vince Hradil](#) on Wed, 19 Mar 2008 20:39:18 GMT
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oops - sorry I forgot to get rid of the whitespace:
obs_hours = strtrim(sindgen(24),2)

Vince Hradil wrote:

```
> 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, BARSPEC=0.2, $
>> TITLE = 'Hourly Total FRP' , $
>> XTITLE = 'Local Hour (UTC+2)', $
>> YTITLE = 'FRP(MW)'
```
