
Subject: bar_plot barnames

Posted by [Indy](#) on Wed, 19 Mar 2008 19:45:22 GMT

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Hi All,

I am having a problem with the BARNAMES keyword in BAR_PLOTS. My array, hours=indgen(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 = indgen(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 = indgen(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)'
```
