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Subject: Plotting weirdness with ytickname  
Posted by [D.Kennedy](#) on Fri, 28 Feb 1997 08:00:00 GMT  
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Hi, I have this (simple) code to produce a stacked plot of some spectra:

```
; Read in spectra and 'stack' them by adding an offset constant  
; to the yaxis vector.
```

[snip]

```
; Set up the parameters for the plot command  
xrange = [-130, 130] ; Set by hand  
yrange = [-43, 20] ; Set by hand  
tick_values = [-40, -30, -20, -10, 0, 10, 20]  
tick_labels = [0, 10, 0, 10, 0, 10, 20]
```

```
; Plot empty frame with fiddled yaxis labelling etc  
plot, xrange, yrange, xstyle=1, ystyle=1, $  
  ytickv=tick_values, ytickname=tick_labels, $  
/nodata
```

```
; Overplot the various spectra  
[snip]
```

Question - why is that when I run this code for the first time it produces a yaxis which is still labelled from -42 to 20? Running the same thing again will produce the correct labelling [0,10,0,10,0,10,20] though. WHY?

This is bad as I rerun the program with a parameter which produces nice eps files to go into a scientific paper. And they're labelled wrongly... I can't just plot twice in the eps case.

This is extremely puzzling to me, I have been changing the order of params, been fiddling with ystyle etc but can't 'fix' this. Anyone got any ideas?

[Please email and post responses - useless newserver!]

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