
Subject: Re: text positioning within multiple plots
Posted by [Craig Markwardt](#) on Wed, 11 Jul 2007 09:14:30 GMT
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metachronist <rkombiyil@gmail.com> writes:
> On Jul 10, 11:50 pm, David Fanning <n...@dfanning.com> wrote:
>
>> Well, I expect this is pilot error. Exactly *when*
>> are you calling your XYOUTS command? If you do it
>> directly after you draw each plot, I think it can't
>> help but go in the right place. :-)
>
> Thank you gentlemen :-) for taking time off to reply.
> It sure was pilot error, for two reasons:
>
> 1. I wanted to look at particular window in the time series and in my
> call to xyouts for specifying "Y" position, I used "max" of the whole
> range instead of the required window.
>
> 2. The range in Y varies from station to station, so I just had to
> figure out an optimum way for the Y position.
> Problem solved after the morning cup of coffee :-)

I use the following tricks to position text on a plot, say in the upper right hand corner.

```
xyouts, !x.crangle(1), !y.crangle(1), /data, '!C!CMy Label  ', align=1.0
```

Explanation

- * the !X and !Y CRANGE values position the text cursor in the upper right hand corner to begin with;
- * the "!C!C" embedded format code causes the text cursor to drop down two text lines (!C = carriage return) to provide a nice top margin;
- * the ALIGN=1.0 causes the text to be right justified;
- * and the extra spaces at the end of the label puts some margin on the right side as well.

After some fiddling with the number of !C's and spaces, this looks great, and is totally independent of the X or Y data ranges. Of course some small tweaking is required if the plot is log-scale. The technique is easily adapted to any position on the plot, for example center-top would be,

```
xyouts, total(!x.crangle)/2, !y.crangle(1), /data, ....
```

Happy plotting!
Craig

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