
Subject: Re: text positioning within multiple plots
Posted by [astroboy2k](#) on Tue, 10 Jul 2007 16:22:35 GMT
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I think the problem here is in using the /normal keyword in multiple plots.

Doing this:
plot,findgen(10)
xyouts,,1,,1,char,/normal

places char in the lower left hand part of the screen, regardless of whether you're using multiple plots or not, which is no good.

I wrote the following code to overcome this problem:

Mark

```
;
pro
  sub_xyouts,xx0,yy0,char,charsize=charsize,xdata=xdata,ydata= ydata,color=color,align=align
```

```
;xx0 and yy0 are usually normal coordinates, eg, fraction of the
current area of the plot
;setting the xdata or ydata keywords converts xx0 and yy0 from data to
normal coordinates
```

```
xx=xx0
yy=yy0
```

```
delx=!x.window(1)-!x.window(0)
dely=!y.window(1)-!y.window(0)
```

```
if keyword_set(ydata) then yy=(yy-!y.crangle(0))/(!y.crangle(1)-!
y.crangle(0))
if keyword_set(xdata) then xx=(xx-!x.crangle(0))/(!x.crangle(1)-!
x.crangle(0))
col=0
if keyword_set(color) then col=color
```

```
xx=!x.window(0)+xx*delx+.02*delx
yy=!y.window(0)+yy*dely+.02*dely
```

```
csize=.8
if (keyword_set(charsize)) then csize=charsize
```

```
col=0
if keyword_set(color) then col=color

aline=0.
if keyword_set(alignment) then aline=alignment
xyouts,xx,yy,char,charsize=charsize,/normal,color=col,alignment=aline

return
end
```
