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Subject: Re: Strange positioninig with xyouts  
Posted by [rm](#) on Thu, 01 Dec 2005 13:09:15 GMT  
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Hows about using device coordinates

```
scale=0.5  
pos=CONVERT_COORD(10,10, /data, /to_device)  
XYOUTS, pos[0], pos[1]-!d.y_ch_size*scale, /device, '*', align=0.5
```

you might need to modify scale, as the character might not be vertically centered

Or alternatively if all you want to do is put a symbol at (10,10) then use the PLOTS command

```
PLOTS, 10, 10, psym=2
```

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Subject: Re: Strange positioninig with xyouts  
Posted by [K. Bowman](#) on Thu, 01 Dec 2005 13:18:09 GMT  
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In article <1133431475.452885.103440@g47g2000cwa.googlegroups.com>, "Darius" <write2darius@gmail.com> wrote:

```
> Dear group,  
>  
> how do I get the asterisk to be at 10.0, 10.0 and not at 10.0, 10.5?  
> And, the larger the charsize the higher the asterisk in the  
> y-direction.  
> BTW, I use IDL 6.0 on WinXP.  
>  
> pro test_xyouts  
> loadct, 13  
> x = indgen(20)  
> _10 = MAKE_ARRAY(20, /INTEGER, VALUE = 10)  
> set_plot, 'ps'  
> device, filename='test_xyouts.ps', /color  
> plot, x, _10, xrange=[0,20], yrange=[0,20]  
> oplot, _10, x  
> xyouts, 10.,10., '*', /data, charsize=1, FONT=0.0, ALIGNMENT=0.5,  
> color=250  
> device, /close  
> end  
>  
>  
> Cheers, Darius
```

Since an asterisk is drawn at the top of the "character box", for example, x\*, it won't be centered at the plotting location unless you adjust for the character size.

Have you tried using PSYM = 2? Symbols are centered at the plotting location.

```
IDL> plot, [-1,1],[-1,1],/nodata
IDL> plots, [-1,1],[0,0],psym=-3
IDL> plots, [0,0],[-1,1],psym=-3
IDL> plots, 0, 0, psym=2
```

Ken Bowman

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Subject: Re: Strange positioninig with xyouts  
Posted by [Darius](#) on Thu, 01 Dec 2005 13:21:53 GMT  
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Thanks,

the second options works fine for me, even for big symbols, where the first does not.

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