
Subject: Re: Plot Size difference

Posted by [lan\[2\]](#) on Fri, 21 Sep 2012 16:03:44 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Friday, September 21, 2012 10:50:30 AM UTC-5, Ian wrote:

> Hello,

>

>

>

> I have two plot setups, and from what I can tell, the eps files should come out with plots exactly the same physical size, BUT of course they are not. Can anyone tell if I am missing something simple, or if there is a work around? I believe the first set of code produces plots about 1 square centimeter larger than the second code (for some reason that was not the case earlier this week, they matched nicely).

>

>

>

>

>

> Pro velocitycombo

>

> plotsym, 4, 1.4, /FILL

>

> set_plot, 'PS'

>

> device, filename='Ratio_Velocity.eps', /color, bits=8,xsize=7,ysize=9,yoffset=1.0, xoffset=1, /inches, /portrait,encapsulated=eps,_extra=_extra

>

> !P.MULTI=[0,1,3,0,1]

>

> !Y.OMARGIN=[3,0]

>

> !y.style=1

>

> !x.style=1

>

> ;start with C+N data

>

> y_C = [6.03, 6.15, 7.8, 20.9, 23.7]

>

> x_C = [372, 592, 353, 583, 360]

>

> yerr_C = [.496, 1.26, 1.27, 7.44, 6.08]

>

> ploterror, x_C, y_C,yerr_C, type = 1, psym =8, xtitle='Solar Wind km/s', xrange =[300,650], yrange=[1,100],xthick=2.2,ythick=2.2,thick=2.2,charsize=1.8, ytitle='C+N/OVII';title='Ratios vs Velocity'

>

```

> ;now Mg data
>
> y_M = [.047, .26, .09, .25, .17]
>
> x_M = [372, 592, 353, 583, 360]
>
> yerr_M = [.006, .032, .021, .065, .0389]
>
> ploterror, x_M, y_M, yerr_M, type =1, psym =8, xtitle='Solar Wind km/s', xrange =[300,650],
yrange=[.001,10], xthick=2.2, ythick=2.2, thick=2.2, charsize=1.8, ytitle='Mg/OVII'
>
> ;finally Si data
>
> y_S = [.012, .257, .121, .3, .265]
>
> x_S = [372, 592, 353, 583, 360]
>
> yerr_S = [.002, .030, .025, .083, .052]
>
> ploterror, x_S, y_S, yerr_S, type =1, psym =8, xtitle='Solar Wind km/s', xrange =[300,650],
yrange=[.001,10], xthick=2.2, ythick=2.2, thick=2.2, charsize=1.8, ytitle='Si/OVII'
>
> !P.MULTI=0
>
> !Y.OMARGIN=[0,0]
>
> device, /close
>
> set_plot, 'X'
>
> END
>
>
> Pro Combo
>
> plotsym, 8, /FILL
>
> set_plot, 'PS'
>
> device, filename='CN_Mg_Si_ratios3.eps', /color, bits=8, xsize=7, ysize=9, yoffset=1.0, xoffset=1,
/inches, /portrait, encapsulated=eps, _extra=_extra
>
>
>
> !P.MULTI=[0,1,3,0,1]
>
> !Y.OMARGIN=[3,0]

```

```

>
> !y.style=1
>
> !x.style=1
>
> ;C+N data
>
> y = [6.03, 6.15, 7.8, 20.9, 23.7]
>
> x = [1.05, .465, .661, .167, .3]
>
> yerr = [.496, 1.26, 1.27, 7.44, 6.08]
>
> xerr = [.023, .048, .021, .0878, .0583]
>
> ploterror, x, y, xerr, yerr, type = 3, xtitle='OVIII/OVII', ytitle='C+N/OVII', psym=8,
xrange=[0.05,2.], yrange=[1,100], xthick=2.2,ythick=2.2,thick=2.2,charsize=2.2
>
> ;Mg data
>
> yy = [.047, .26, .09, .25, .17]
>
> xx = [1.05, .465, .661, .167, .3]
>
> yyerr = [.006, .032, .021, .065, .0389]
>
> xxerr = [.023, .048, .021, .0878, .0583]
>
> ploterror, xx, yy, xxerr, yyerr, type=3, xtitle="OVIII/OVII", ytitle="Mg/OVII", psym = 8,
xrange=[.05,2], yrange=[.001,10], xthick=2.2,ythick=2.2,thick=2.2,charsize=2.2
>
> ;Si Data
>
> yyy = [.012, .257, .121, .3, .265]
>
> xxx = [1.05, .465, .661, .167, .3]
>
> yyyerr = [.002, .031, .025, .083, .0522]
>
> xxxerr = [.023, .048, .021, .0878, .0583]
>
> ploterror, xxx, yyy, xxxerr, yyyerr, type = 3, xtitle='OVIII/OVII', ytitle='Si/OVII', psym=8,
xrange=[0.05,2.], yrange=[0.001,10], xthick=2.2,ythick=2.2,thick=2.2,charsize=2.2
>
> !P.MULTI=0
>
> !Y.OMARGIN=[0,0]
>

```

```
> device, /close  
>  
> set_plot, 'X'  
>  
> End  
>  
>  
>  
>  
>  
> Thanks Much  
>  
> Ian
```

Scratch that, problem solved!
