
Subject: Plot Size difference

Posted by [lan\[2\]](#) on Fri, 21 Sep 2012 15:50:30 GMT

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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
lan
