Subject: Re: Plot Size difference
Posted by Ian[2] on Fri, 21 Sep 2012 16:03:44 GMT
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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!
