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Subject: How do I place an image when I am using !P.Multi?  
Posted by [atmospheric physics](#) on Mon, 23 Jun 2014 10:16:33 GMT  
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Hello,

I have a sky image file (.JPG). I am trying to plot with other subplots.

(a) I get a problem w.r.t the size of the sky image that is displayed (sub-plot#2) in the saved file. I see a very small image at the right top corner. How can I actually fit the image that is read in the exact position dimensions I have defined for the display?

(b) In sub-plot#4 I wanted to actually make a PDF (probability density function) for my data array. Is relative frequency that is displayed with the following code the same? If not, how can I actually obtain only PDF displayed?

Below is the code I wrote: (probably you can use some demo data to understand my problem!)

```
-----  
cgPS_Open, FigFileName, FONT=-1, CHARSIZE=0.6  
  
; Setting variables to plot  
thick = (!D.Name EQ 'PS') ? 2 : 1 ; Setup variable to the plot  
  
; Display window  
cgDisplay, XSIZE=2000, YSIZE=1500 ; Create a map projection space  
  
!P.Multi=[0,2,2] ; 2 columns X 2 rows  
  
pos1 = [0.05, 0.49, 0.5, 0.89]  
pos2 = [0.57, 0.55, 0.92, 0.9]  
pos3 = [0.07, 0.1, 0.5, 0.40]  
pos4 = [0.6, 0.1, 0.90, 0.40]  
  
; Sub-Plot#1  
  
  
; Sub-Plot#2  
READ_JPEG, SkyImgFile, img1, ORDER=1  
cgImage, img1, /NOERASE, Position=pos2, /KEEP_ASPECT_RATIO  
  
; Sub-Plot#3  
  
  
; Sub-Plot#4
```

```
cgHistoplot,flux,/Frequency,/OProbability,ProbColorName='red ', $  
  ProbThick=2,PolyColor='dodger blue', /NAN, DataColorName='navy', $  
  POSITION=pos4,XTITLE='Flux in W/m^2', Charsize=0.85,$  
  /LINE_FILL,LINE_THICK=2,/OUTLINE,SMOOTH=1,THICK=2,XRange=[0. 0,1.2], $  
  FONT=-1,YRange=[0.0,0.5]
```

!P.Multi=0

cgPS\_Close

; Create a PNG file with a width of 1500 pixels  
cgPS2Raster,FigFileName,/PNG, Width=1500

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Please let me know where I am going wrong!!!

Thanks in advance

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