Subject: Re: How do I plot two images with !P.Multi, while keep the aspect ration reflecting the image size
Posted by chris_torrence@NOSPAM on Thu, 19 Aug 2010 16:33:10 GMT
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Hi all,

I took a stab at doing this in IDL 8.0 with the new graphics:

```
  READ_JPEG, FILEPATH('elev_t.jpg', SUBDIR=['examples','data']), data

  x1 = 100 & w = 108
  y1 = 100 & h = 128

  width = 0.4
  pos1 = [0.1, 0.1, 0.1 + width, 0.8]
  aspect = float(w)/h
  pos2 = pos1
  pos2[0] = 0.6
  pos2[2] = pos[0] + width*aspect

  im1 = IMAGE(data, AXIS_STYLE=1, POSITION=pos1)
  im2 = IMAGE(data, /CURRENT, POSITION=pos2, $
    XRANGE=[x1,x1+w], YRANGE=[y1,y1+h])


  ; Add a fancy box and lines showing the "subset" area
  rect = POLYGON([x1,x1+w,x1+w,x1],[y1,y1,y1+h,y1+h], /DATA, $
    COLOR='red', FILL_BACKGROUND=0, TARGET=im1)
  pt1 = im1.ConvertCoord(x1+w,y1+h, /DATA, /TO_NORMAL)
  pt2 = im2.ConvertCoord(x1,y1+h, /DATA, /TO_NORMAL)
  p = POLYLINE([pt1[0],pt2[0]],[pt1[1],pt2[1]], COLOR='red')
  pt1 = im1.ConvertCoord(x1+w,y1, /DATA, /TO_NORMAL)
  pt2 = im2.ConvertCoord(x1,y1, /DATA, /TO_NORMAL)
  p = POLYLINE([pt1[0],pt2[0]],[pt1[1],pt2[1]], COLOR='red')

  ; Save the entire window to a PDF file
  im1.Save, 'output.pdf'
```

Sorry it's a bit long. I got all fancy with the boxes and lines. But
it looks nice.

-Chris
ITTVIS