Subject: Re: Printing Images
Posted by sbarrkum on Mon, 08 Aug 1994 16:53:14 GMT
View Forum Message <> Reply to Message

In article <31qsi4$33v@reznor.larc.nasa.gov> tai@rockola.larc.nasa.gov (Alan Tai) writes:
> I'm having some problems printing an image to a Postscript device. By
> 12000 byte array. Does anyone have any suggestions? Thanks.

I use a little routine to rescale the pixels according to the device.
PS devices are capbale of high pixel density but the pixels can be rescaled.
Hence can makedo with less pixels.

```
pro mak_plot,  x1,y1,x2,y2

; x1, y1   Bottom left Normalised coordinates
; x2, y2   Top right Normalised coordinates

data=fltarr(26,14) ; array to hold the image


;Plot image
 arr_size=convert_coord(x2-x1+(x2-x1)*2/24,y2-y1+(y2-y1)*2/12 ,/Normal, /To_device)
if arr_size(0) gt 1000.0 then arr_size(0)=26.0 * 50.0  ; If array to large when
if arr_size(1) gt 700.0 then arr_size(1)=14.0 * 20.0  ; using PS device use smaller dimnsns
img=congrid(data,arr_size(0),arr_size(1))
if arr_size(0) ge arr_size(1) then smooth_width =0.1 * arr_size(1)
if arr_size(0) le arr_size(1) then smooth_width =0.1 * arr_size(0)
img=smooth(img, smooth_width)
tv, bytscl(img, tmin, tmax, top=255),x1, y1, /Normal, $
                        xsize = x2-x1, ysize = y2-y1


;Plot lat long grid and Manus coast line
plot,[140.5, 164.5], [-5.5,6.5], /Nodata, Xrange=[140.5, 164.5],YRange = [-5.5,6.5],       $
          /NOERASE, Linestyle=0, thick =3, XStyle=1 , Ystyle=1, color=backcolor, $
          position=[x1,y1,x2,y2], charsize=0.6




end
```

==========
Hope this helps

Barr-Kumarakulasinghe