
Subject: Re: 16-bit tiffs

Posted by [bowman](#) on Sat, 14 Mar 1998 08:00:00 GMT

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Is this a color or black-and-white image?

I've been writing 24-bit color images as raw binary and then converting them on my Mac to other formats using GraphicConverter (shareware). There must be similar programs for PC's and Unix. GraphicConverter will batch convert large numbers of files.

I write the files like this:

```
window -> DRAW, view           ;Draw view in window
window -> GETPROPERTY, IMAGE_DATA = image ;Read image from window
;image will be (3,nx,ny) if your device is set to 24-bits
;This is for object graphics, for direct graphics, use TVRD().
FOR iplane = 0L, 2L DO $       ;Flip image right side up
    image(iplane,*,*) = ROTATE(REFORM(image(iplane,*,*)),7)
OPENW, ounit, outfile, /GET_LUN ;Open new file for writing
WRITEU, ounit, image           ;Write image to file
FREE_LUN, ounit               ;Release out unit and file
```

You need to know the size of the image to read the raw file.

If you are only using 4-bits of the dynamic range (0-15), multiply each 8-bit image plane by $2^4=16$ to scale to 0-255 before writing.

Regards, Ken Bowman

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