
Subject: Writing out TIFF files

Posted by [Sangeet Singh](#) on Wed, 24 Jan 1996 08:00:00 GMT

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I would like to write out some image arrays in IDL as .tif files. So far I have been able to do this *only* by doing a TVSCL of the image followed by a TVRD into a BYTARR which is written using TIFF_WRITE. I'd like to be able to use TIFF_WRITE with my image array without having to go through TVSCL and TVRD each time. The approach suggested in the on-line help yields a .tif file containing only random noise.

Below I've including portions of my code with comments. I'd appreciate any suggestions or even stories of people's experiences with TIFF_WRITE. I'm running IDL 4.0 on sunos sparc but have had the similar results with older IDL versions on various UNIX systems.

Thanks.

--Sangeet

```
img1 = intarr(col,row)
img2 = intarr(col,row)
img3 = intarr(col,row)
tifimg = bytarr(col,row)
```

```
; This creates a new array img2 from the original array img1.
; img2 has the row order reversed w.r.t. img1.
; So img1 is upside down and img2 is right side up (for ORDER=0).
;
;
img2=REVERSE(img1,2)
```

```
; The following tvscl results in the image being displayed upside down
; on the screen. However, the tiff file *as read by Photo Styler*
; ends up being right side up when written with an orientation of 1
; after a tvrd. (an orientation of 0 is probably ok too)
;
tvscl,img2,ex,why,ORDER=1
tifimg=tvrd(ex,why,col,row)
TIFF_WRITE,filename5,tifimg,1
```

```
; The following results in a tiff file containing only random noise, not
; the real image.
;
;tifimg=img2
;OR
;tifimg=BYTE(img2)
;
```

```
;TIFF_WRITE,filename5,tifimg,1
```

```
; I use the following to read back the tiff file to verify if it contains  
; the image. This image is upside down, even though the .tif file appears  
; right side up when read by other programs, as said earlier.
```

```
;  
img3=TIFF_READ(filename5)  
tvsc1,img3
```
