

---

Subject: Re: Problem with TIF image

Posted by [David Fanning](#) on Sun, 01 Apr 2007 14:52:55 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

vijay writes:

> hi i am having simple problem while using the IDL, every time if i  
> open any of the TIF image, the image gets transposed and rotated to  
> 270 degrees. I had opened in TVSCL, ISURFACE, etc and I had tested  
> with different images, but same problem is repeating. But when i open  
> JPEG images the display is quite normal. The problem occurs only in  
> the TIF images. tell me how to solve this problem.

IDL uses a convention that locates the pixel (0,0) at the lower-left of the image. TIFF files (normally) prefer a convention that locates the pixel (0,0) at the upper-left of the image. As a result, you typically have to reverse the Y dimension of an image before you write it to a TIFF file. (Setting the ORDER keyword, which purports to do this for you, doesn't.)

In your case, it appears you have to reverse the Y dimension when you read the file. If the image is pixel interleaved (i.e. a 3xmxn image), then it is done like this:

```
image = Read_Tiff('mytiff.tif')
image = Reverse(image, 3)
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

---

---

Subject: Re: Problem with TIF image

Posted by [Jeff N.](#) on Mon, 02 Apr 2007 21:35:54 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

> write it to a TIFF file. (Setting the ORDER keyword,  
> which purports to do this for you, doesn't.)  
>

David,

Can you explain a little about what the problem is with the ORDER keyword? I've seen you mention that it doesn't work a few times. I've never had any trouble with it, but I have only needed to use it in trivial situations.

Thanks,  
Jeff

---