
Subject: WRITE_TIFF

Posted by [gurman](#) on Mon, 29 Mar 1999 08:00:00 GMT

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Hi -

Today for the first time, I had the occasion to write some files in TIFF format using the WRITE_TIFF procedure on an OpenVMS system with IDL 5.2.

I use the instruction:

```
IDL> write_tiff, file + strmid(strtrim(10000 + i, 2), 1, 4), b0, 0, red =  
r, green = g, blue = b
```

(that is, I explicitly tell write_tiff to assume the order is "0").

Then, on the same system, I try:

```
IDL> c = read_tiff('file.0957', r, g, b, order = order) & print, order
```

The result I get is "4," not "0."

If I were only using IDL, I would not be concerned, but when I try reading the same file on a Mac using Adobe Photoshop 5.0.2, I get an inverted (top to bottom) image.

To confuse myself yet further, I decided to try to write the same image with an order parameter of "1." Once again, the order was read correctly with READ_TIFF, but once again, the image on the Mac was inverted.

Any advice?

Thanks,

Joe Gurman

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| Joseph B. Gurman, NASA Goddard Space Flight Center, Solar Physics
| Branch, Greenbelt MD 20771 USA / Federal employees are still
| prohibited from holding opinions while at work. Therefore, any
| opinions expressed herein are somebody else's.

Subject: Re: WRITE_TIFF

Posted by [davidf](#) on Thu, 01 Apr 1999 08:00:00 GMT

Joseph B. Gurman (gurman@gsfc.nasa.gov) writes:

- > I guess I'm a little bit stunned (read: e.g. with a cattle prod)
- > to find I can't use IDL to create a TIFF that will display with
- > the same orientation in application X (let's call it Netscape,
- > for instance) and IDL....
- >
- > I guess I should be thankful that (i) REVERSE runs so fast on
- > Alphas, and (ii) WRITE_GIF doesn't have that problem.

Well, an ORDER keyword on the display routine and an ORDER switch in the pull-down menu does wonders for training users. :-)

Cheers,

David

--

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

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: WRITE_TIFF

Posted by [gurman](#) on Thu, 01 Apr 1999 08:00:00 GMT

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In article <MPG.1169d935a51c74aa98973b@news.frii.com>, davidf@dfanning.com (David Fanning) wrote:

- > Joseph B. Gurman (gurman@gsfc.nasa.gov) writes about his problems
- > getting the ORDER keyword to work with TIFF files:
- >
- >
- > Dick and I have pretty much given up on the ORDER keyword
- > with TIFF files. As far as we can tell, it's mostly
- > ignored by almost all software that we routinely use.
- > We have had to resort to reversing the image order
- > physically, so that the image appears correct in the
- > software in which we want to display it.
- >
- > Cheers,
- >
- > David

David -

That works great if you know in advance for which software you're creating the file.

I guess I'm a little bit stunned (read: e.g. with a cattle prod) to find I can't use IDL to create a TIFF that will display with the same orientation in application X (let's call it Netscape, for instance) and IDL....

I guess I should be thankful that (i) REVERSE runs so fast on Alphas, and (ii) WRITE_GIF doesn't have that problem.

Joe

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