

Re: Problem with tif images captured from a scanner

Source: <http://linux.derkeiler.com/Newsgroups/comp.os.linux.misc/2004-10/2808.html>

From: Dances With Crows (danSPANceswitTRAPhcrows_at_gmail.com)

Date: 10/23/04

Date: 23 Oct 2004 17:42:53 GMT

On Sat, 23 Oct 2004 17:08:13 +0000 (UTC), David Efflandt staggered into the Black Sun and said:

> *On Sat, 23 Oct 2004 12:42:48, Madhusudan Singh*

> *<spammers-go-here@spam.invalid> wrote:*

>> *A few weeks ago, I scanned a set of SEM images on a Mac OSX connected*

>> *scanner and saved them as tif files.*

>>*tiffinfo bst1.tif*

>>*bst1.tif: Warning, unknown field with tag 700 (0x2bc) ignored.*

>>*bst1.tif: Warning, unknown field with tag 34665 (0x8769) ignored.*

>> *Bits/Sample: 16*

>>

>> *Apparently these 700 and 34665 tags are causing some problem.*

I don't think the tags are the real problem. The standard TIFF library is supposed to ignore any tag that it doesn't understand.

>> *If I try to view these tif files, with xv, it quits with segmentation*

>> *fault. kuickview does show the images but with a slew of errors in*

>> *the console log.*

I'll bet this isn't because of the tags, but because of the 16 bits/sample thing. Support for 16-bit images is kind of uncertain right now, since most of the time, 8 bits/sample is plenty and only high-end photographile weenies (who are stuck with 'Doze/OS X *anyway*') really need/use anything more.

If you really want to get rid of extraneous TIFF tags, there isn't much out there. I've put together a set of functions using the code from tiffdump that might do the job, but they're sort of special-cased right now for working with a set of undocumented tags used by a commercial program. I've had reasonable luck by using tiffopnm followed by convert with some options to convert that regenerate the resolution and units tags. You might even be able to use tiffcp. I don't think the tiffopnm thing will work on 16-bit images though.

> *Have you tried loading the tif files into The Gimp, and saving them as*

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> *png? I have no idea if that will work, but worth a shot.*

If GIMP can handle 16-bit images, this will probably work. You'll want to use GIMP 2.0, naturally. HTH,

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Matt G|There is no Darkness in Eternity/But only Light too dim for us to see
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