
Subject: Re: color tiffs

Posted by [David Grier](#) on Sat, 04 Sep 2010 16:57:33 GMT

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

On 9/4/10 12:43 PM, Hawaiianite wrote:

> I can't seem to get tiffs written out in color. Silly, but true.

>

> IDL> write_tiff,'title',(array[:,*,2]),/float

>

> I get a grey scale image even when I've set device,decomposed=0 and

> loaded a color table (39). The resulting file is larger compared to

> the black and white tiffs I produced with bytscl'ing', but it is not

> in color. Any suggestions?

>

> Thanks!

How about ...

```
IDL> write_tiff, 'title', array[:,*,0:2], /float
```

The command you provided above creates a tiff image with only one color channel (index 2), and thus yields a grayscale image. Storing a color image requires all three color channels, which I assume are in indices 0, 1, and 2 of "array". I also assume that you're not using indexed colors because you're storing pixels as floating-point values. If you were using indexed colors, you'd have to save the color table in the write_tiff command.

The floating-point image created by your command is larger than a bytscl'ed image because each floating-point pixel requires 4 bytes (?), whereas each bytscl'ed pixel requires just one.

TTFN,

David
