Subject: Re: color tiffs

Posted by David Grier on Sat, 04 Sep 2010 16:57:33 GMT

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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