
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

Subject: Re: color tiffs

Posted by [penteado](#) on Sat, 04 Sep 2010 17:14:22 GMT

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On Sep 4, 1:43 pm, Hawaiianite <jtmcah...@gmail.com> wrote:

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> Thanks!

Besides the points David mentioned, note that the device routine and the current colortable only affect things done to direct graphics devices. write_tiff has nothing to with direct graphics.

Subject: Re: color tiffs
Posted by [jtmcahill](#) on Fri, 17 Sep 2010 14:22:26 GMT
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On Sep 4, 1:14 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

> On Sep 4, 1:43 pm, Hawaiianite <jtmcah...@gmail.com> wrote:

>

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>

> Besides the points David mentioned, note that the device routine and

> the current colortable only affect things done to direct graphics

> devices. write_tiff has nothing to with direct graphics.

Ok, well is there a way I can make a color tiff with one channel? I need to keep the channels separate in displaying this data...

Thanks!
