
Subject: Re: ENVI does a dumb thing reading a TIFF file with a palette included
Posted by [Jeff N.](#) on Wed, 02 May 2007 20:09:06 GMT

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On May 2, 3:11 pm, Ed Hyer <ejh...@gmail.com> wrote:

> Hello IDL Wizards,
>
> I apologize for the offtopic post, but maybe someone here knows an
> ENVI trick I am missing. I have an XY array of data, category data
> with values from 0-16 + 254=NODATA. I have a color table ginned up
> specifically to display this data. I write a TIFF file, like so:
>
> tvlct,r,g,b,/get ; load palette values from color table
> write_tiff,filename,image,r=r,g=g,b=b
>
> This operation works perfectly in reverse-- in IDL.
>
> When I open the TIFF file in ENVI, it tells me I have three image
> planes: r,g,b. So an XY Location that should have a value of [2]
> instead has a value of [255,0,0] = color mapping for category '2'. All
> ENVI functions I tested (statistics, histograms, slices) seem to deal
> only with the RGB levels.
>
> Does anyone know how I can get at the actual data in the file
> [0-16+254] from inside ENVI? I prefer to include the palette in the
> TIFF because otherwise it's ugly, but right now it seems I can't have
> both in ENVI.
>
> Ideas welcome,
>
> --Edward H.

Wow! I had no idea that ENVI did this! I don't think it's a very good way to do to handle tiff files either. I wonder though, if the reason that ENVI does it this way has to do with how it isn't necessarily easy (in my opinion) to load color tables in ENVI. Don't you actually have to go to the preferences menu? And even then, you can only import color tables from an ASCII file?

Jeff
