
Subject: ENVI does a dumb thing reading a TIFF file with a palette included

Posted by [MarioIncandenza](#) on Wed, 02 May 2007 19:11:28 GMT

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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:

```
tv!ct,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.
