Subject: Re: TIFF Read/Write Bug?
Posted by Heinz Stege on Fri, 10 May 2013 23:04:38 GMT

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On Fri, 10 May 2013 14:29:16 -0700 (PDT), Phillip Bitzer wrote:

> I similar behavior David. Integer array in, integer array out .. unless the color vectors are included. Then it's byte out.
>
Same here. !version={ x86 Win32 Windows Microsoft Windows 8.0.1 Oct 5
2010   32   64}.

However, I wonder if it makes any sense to write integer arrays in
TIFF files with color palettes. I don't know the TIFF standard. But
the IDL manual for the Red, Green and Blue keywords says: "If you are
writing a Palette color image, set these keywords equal to the color
table vectors, scaled from 0 to 255."

My understanding is, that a TIFF file written by
   Write_Tiff, outFilename, Reverse(ageImage,2), GEOTIFF=geo, $
     /SHORT, /SIGNED, RED=r, GREEN=g, BLUE=b
has to be read by
   testImage = Read_Tiff(outfilename,r,g,b)
And the pixel color values can be calculated by
   red=r[testImage]
   green=g[testImage]
   blue=b[testImage]

r, g and b have 256 elements maximum. So it does not make any sense
for testImage to be integer instead of byte.

Cheers, Heinz