
Subject: Re: Image display

Posted by [David Fanning](#) on Thu, 07 Aug 2003 16:39:17 GMT

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New2IDL writes:

- > Is there anyway to display images in a clear format without
- > bytscaling them. I have a dicom image which i can open using ImageJ
- > and Osiris. When i try to open the same without bytscaling in IDL, i
- > can see grains in the image and the number of grey shades in the image
- > is lesser and there are white patches.
- > Is there any way to fix this. The image has floating point values.

If you don't byte scale your data, IDL will use only the lowest 8 bits of information in each pixel value to display the data. This is why you are seeing those strange artifacts.

Dicom images are typically 16-bit images, so users sometimes like to choose what portion of their total data set is being byte scaled. This is called "windowing". Setting the TOP keyword on the BYTSCL command will adjust the contrast on the portion of the data that is in the "window".

You can read about this in this article (as well as find links to some programs):

http://www.dfanning.com/ip_tips/contrast.html

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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