
Subject: Re: Image output display from IDL
Posted by [Raghu](#) on Fri, 20 Jun 2008 04:36:06 GMT
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Hi Chris,

These are just gray scale images. I just narrowed down the actual problem. My images are in ERDAS Imagine (.img) floating point data type. When i convert these into floating point again using float(images) in ENVI , the resulting images are in ENVI format. When these ENVI float images are used in the script, the output looks fine. It seems like IDL treats ERDAS' floats differently or i don't quite know if there's something else thats wrong here. I have tried it a few times now and although the header file in ENVI reads the ERDAS files as float, the IDL script seems to do something else when i read the ERDAS files directly.

I'm wondering if i'd have to import all my images into an IDL float type before i start processing. I'd still think that float irrespective of the software would be the same, but i might be wrong.

Ram

On Jun 19, 8:38 pm, Chris <cnb4s...@gmail.com> wrote:

> Are they truecolor images?

>

> If so, it may be an issue with how the image is passed back and forth

> in IDL. An n pixel by n pixel color image read into idl (usually) gets

> stored as a n x n x 3 data cube (plane 0 is R, plane 1 is G, and plane

> 2 is B). You have to tell IDL which dimension of the array stores

> these color slices when working with them. In the above example, the

> third dimension stores the color slices so, if I wanted to display the

> image in IDL, I would use tvscl,im,true=3. Similarly, if you write out

> a color image, you usually have to specify which dimension runs

> through the different colors. Perhaps during the reading and writing

> stages, you switched this index, meaning that the final image would

> have all of these weird color/stripe patterns.

>

> Try scanning the IDL help for the "TRUE" keyword

>

> Chris

>

> On Jun 19, 1:42 pm, Raghu <geor...@gmail.com> wrote:

>

>

>
>> Hi all,
>
>> I wrote a script in IDL which reads multiple images and outputs an
>> image according to some conditions i specified.
>> The code works, seemingly with no errors and outputs the required
>> image. However, when i display the image in ENVI, the output image
>> looks like a series of tiles/bands as if the values are grouped line-
>> by-line. The statistics are right, but the display looks really weird.
>
>> I had read something about how IDL stores images but i can't quite
>> find the keywords to search for it.
>> Does this have to do with any machine settings or is it a setting
>> within IDL itself ? Any ideas ?
>
>> I can attach a graphic if it helps.
>
>> Thanks in advance,
>> Ram- Hide quoted text -
>
> - Show quoted text -
