Subject: Re: layer stacking question

Posted by woopik on Sun, 28 Oct 2007 12:07:13 GMT

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and more

if i compare the pixel value (the same band) in the input and output file

.tif -> layer stacking with idl all ok

.tif -> layer stacking with envi GUI not ok

Subject: Re: layer stacking question Posted by David Fanning on Sun, 28 Oct 2007 14:06:46 GMT

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woopik@interia.pl writes:

- > if i compare the pixel value (the same band)
- > in the input and output file

>

- > .tif -> layer stacking with idl all ok
- > .tif -> layer stacking with envi GUI not ok

I think these confusing results can all be explained by "ordering". IDL puts the (0,0) point at lower-left, ENVI put it at upper left. When you write a TIF file in IDL, if you don't reverse the Y values, the image is almost always upside down, since TIFF seems to use the same convention ENVI does. (And it doesn't seem to matter HOW you set the ORDER keyword on WRITE_TIFF.)

I think if you took your IDL layer and did this:

layer = Reverse(layer,2)

things will make more sense to you.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: layer stacking question

Posted by woopik on Mon, 29 Oct 2007 09:14:24 GMT

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but if i do that

data=ENVI_GET_DATA(fid=fid,dims=[-1,0,t_ns-1,0,t_nl-1],pos=0) data=REVERSE(data,2) ENVI_ENTER_DATA,data,r_fid=ofid

the layer is fliped vertically i dont want that

look at this image iustring my problem all seems good the left image dont need to be fliped but look at the cursor location value

http://rapidshare.com/files/65959833/layers.jpg.html

Subject: Re: layer stacking question

Posted by Tal on Tue, 30 Oct 2007 09:21:48 GMT

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Hi,

I assume that the answer is hidden in the header file. compare the header of the input and the output layer (the fault one generated by the ENVI GUI) and match line by line. throughout the 2 headers.

could it be related to the keyword xstart or ystart?

Tal

Subject: Re: layer stacking question

Posted by woopik on Tue, 30 Oct 2007 09:42:54 GMT

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hi

i dont use xstart but as you can see in the dims array the image began at X=0, i know that the gui interface will read the same header and put X=1 BUT as i wrote: if you compare .tif -> layer stacking with idl all is ok there is a problem only with GUI version

in the header there is only georeferencing data, nothing else

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