
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 flipped vertically i dont want that

look at this image illustrating my problem
all seems good the left image dont need to be flipped
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

i use envi 4.1 meaby there is a bug in this version ??
