
Subject: Re: ENVI File Question

Posted by [Jean H.](#) on Wed, 12 Sep 2007 20:51:36 GMT

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David Fanning wrote:

> Folks,
>
> I have an ENVI file question. I just want to open a Geotiff
> file, do some small amount of processing on it, and save
> it as an image file ENVI can read. This seems about as
> straightforward as it can be.
>
> I found an ENVI procedure named ENVI_SETUP_HEAD that looks
> like what I need to create the ENVI header for this very
> simple file. My program runs, my ENVI_SETUP_HEAD command
> gets called. All appears well, but the header file never gets
> created. (Or at least it doesn't get created in the same
> place as my image file!)
>
> Here is the output from my program:
>
> Image Filename: /home/fanning/b2.img
> ENVI Header Filename: /home/fanning/b2.img.hdr
>
> The image file is there. The header file is not.
>
> Do I have to do something else to write the header?
>
> Cheers,
>
> David

David,

You can write the image AND the header at the same time, using
ENVI_WRITE_ENVI_FILE

here is an example... please note that some info has been read when
opening another file (the headerInfo structure)... I am not sure how to
build the map info on its own!

```
ENVI_WRITE_ENVI_FILE, data, data_type=1, nb = nbBands, nl=data_sizeY, $  
ns=data_sizeX,OUT_NAME = workingDirectory + "fileName.dat", $  
BNames = "band Name", class_names = headerInfo.class_names, $  
lookup=headerInfo.lookup, map_info=headerInfo.map_info,num_classes =  
headerInfo.num_classes
```

jean
