
Subject: Re: Writing a dat file and opening in ENVI
Posted by [Michael Galloy](#) on Mon, 26 Jan 2015 18:17:08 GMT
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On 1/26/15 7:05 AM, Sarah Douglas wrote:

```
> Hi,  
>  
> I am quite new to IDL so this might be just a basic problem which I am overlooking.  
>  
> I am trying to write a .dat file of an image which can be read in ENVI. I am able to write the  
array to the file but then when I open it in ENVI, I get an image with vertical stripes in every other  
pixel. However, if i re-read the file into IDL, I do not see these stripes.  
>  
> I believe this could be to do with how ENVI reads .dat files or how the data is written to the file.  
Here is some example code,  
>  
> nrows = 382L  
> ncols = 38L  
> num_bd = 102  
> test_arr = uintarr(nrows, num_bd, ncols)  
> for i=0,num_bd-1 do test_arr(*,i,*) = i+1  
>  
> FILENAME = '/home/sarah/Data/Upscaled_pre_SVD/'+ 'test.dat'  
>  
> openw, 1, filename  
> writeu, 1, test_arr  
> close, 1  
>  
> result = 0  
> result = uintarr(nrows, num_bd, ncols)  
> openr, 1, filename  
> readu, 1, result  
> close, 1  
>  
>
```

It's been awhile since I have dealt with ENVI files, but I believe there is a ASCII .hdr file associated with the .dat file. Did you write that as well? I think you probably have the interleave mixed up -- either from writing the .hdr file incorrectly or not having one and ENVI using some defaults that don't match your data.

Mike

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