Subject: Create an ENVI .img file
Posted by frankosuna on Tue, 26 Feb 2008 20:44:29 GMT
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Hello,

I need to create an envi img from IDL and do not know if this is even possible. I initially was creating a .bmp image but realized that this image format would not work with what I am trying to do. I was plotting x and y values and creating the bmp image from the plot. Does IDL provide any functionality to do this?

Thanks in advance,

Frank

Subject: Re: Create an ENVI .img file
Posted by Jean H. on Wed, 27 Feb 2008 00:04:08 GMT
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Good to hear that it works!
But you should really write the header file at the same time... without it, it is very difficult to open the file in Envi...especially a few months from now!!. you should specify the data type, the type of interleave (if you have more than one band) and the number of rows and columns!

Cheers
Jean

frankosuna wrote:
> On Feb 26, 2:29 pm, Jean H <jghas...@DELTHIS.ucalgary.ANDTHIS.ca>
> wrote:
>>> You can call ENVI's functions in IDL!
>>
>>> Have a look at
>>> ENVI_WRITE_ENVI_FILE
>>> Jean
>> and if you don't have Envi, you can save your data as a tiff or else and
>> write an header file for Envi.. as a mater of fact, you can use WRITEU
>> to save the data, which is the same "format" (no format indeed) as the
>> Envi files... then you just have to write the header file, saying what
>> data is present in the file!
>>
>> Jean
>
> Thank you very much for that hint!! I was able to get what I needed by

> using the writeu function.
> This is what I did in case anybody else runs into this problem:
>
> This first way that I did it I passed an array and wrote the
> information from it into testidl.dat
> OPENW, lun, 'testidl.dat', /get_lun
> WRITEU, lun, array
> FREE_LUN, lun
>
> This second way of doing it I took the information from a .bmp file
> and wrote it as wireframe.dat
> file = FILEPATH('wireframe.bmp')
> image = READ_BMP('/home/users/fjosuna/CASVU_ISS/wireframe.bmp')
> OPENW, lun, 'wireframe.dat', /GET_LUN
> WRITEU, lun, image
> FREE_LUN, lun
>
> Thanks again Jean!!