
Subject: Re: Create an ENVI .img file
Posted by [Jean H.](#) on Tue, 26 Feb 2008 21:26:14 GMT
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frankosuna wrote:

> 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

You can call ENVI's functions in IDL!
Have a look at

ENVI_WRITE_ENVI_FILE

Jean

Subject: Re: Create an ENVI .img file
Posted by [Jean H.](#) on Tue, 26 Feb 2008 21:29:36 GMT
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> 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

Subject: Re: Create an ENVI .img file
Posted by [frankosuna](#) on Tue, 26 Feb 2008 23:19:39 GMT

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!!
