
Subject: Re: reading envi file in IDL

Posted by [Jeff N.](#) on Thu, 23 Aug 2007 20:26:40 GMT

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On Aug 23, 4:09 pm, robinson....@gmail.com wrote:

> On Aug 23, 12:29 pm, "Jeff N." <jnett...@utk.edu> wrote:

>

>

>

>> On Aug 23, 2:14 pm, robinson....@gmail.com wrote:

>

>>> Hi Jean, thanks for your assistance. I got this error:

>>> Error occurred at: READ_BINARY 132 C:\RS\IDL63\lib

>>> \read_binary.pro

>>> Robinson

>

>>> On Aug 23, 10:49 am, "Jean H." <jghas...@DELTHIS.ucalgary.ANDTHIS.ca>

>>> wrote:

>

>>>> Robin,

>

>>>> if you just have this one file, you can do:

>

>>>> data = read_binary('c:\test\yourFile',data_Start = 0,data_Type=4,

>>>> data_Dims=[400,400,5])

>

>>>> From the top of my head, I can't remember where/how to specify the band

>>>> interleave.... though in your case you have the default option, so it

>>>> would work!

>

>>>> If you have other files, I can send you/here a function that, with the

>>>> help of ENVI, opens the file and return the header info in a structure...

>

>>>> Jean

>

>>>> > Dear All,

>>>> > I created a file using ENVI and its header file is below. Does

>>>> > somebody could show me how to read that file in IDL?

>>>> > In advance thank you very much

>>>> > Robinson Juarez

>

>>>> > =====

>>>> > ENVI

>>>> > description = {

>>>> > File Resize Result, x resize factor: 1.000000, y resize factor:

>>>> > 1.000000.

>>>> > [Wed Aug 22 10:02:17 2007]}

>>>> > samples = 400

```

>>>> > lines = 400
>>>> > bands = 5
>>>> > header offset = 0
>>>> > file compression = 1
>>>> > file type = ENVI Standard
>>>> > data type = 4
>>>> > interleave = bsq
>>>> > sensor type = Unknown
>>>> > byte order = 0
>>>> > x start = 1323
>>>> > y start = 714
>>>> > map info = {UTM, 1.000, 1.000, 694231.500, 9759973.000, 2.85000000000e
>>>> > +001, 2.85000000000e+001, 20, South, WGS-84, units=Meters}
>>>> > wavelength units = Unknown
>>>> > band names = {
>>>> > Resize (Unmix (amazonas_p231r062_etm_071001_a5) EM:GV (X:4278 Y:
>>>> > 1152):MAO20071001_test1.em),
>>>> > Resize (Unmix (amazonas_p231r062_etm_071001_a5) EM:NPV (X:6152 Y:
>>>> > 928):MAO20071001_test1.em),
>>>> > Resize (Unmix (amazonas_p231r062_etm_071001_a5) EM:SOIL (X:5959 Y:
>>>> > 4199):MAO20071001_test1.em),
>>>> > Resize (Unmix (amazonas_p231r062_etm_071001_a5) EM:SHADE (X:2359 Y:
>>>> > 2415):MAO20071001_test1.em),
>>>> > Resize (RMS Error:MAO20071001_test1.em)}
>>>> > =====
>
>> I really think you need to figure out what's going on with the file
>> compression issue. The code I posted for you will work for normal
>> (uncompressed) envi images - i've used code like this many, many, many
>> times myself.
>
>> Jeff
>
> Jeff, you were right. The "file compression =1" was the issue. The /
> Compress keyword in the opening procedure solved the problem.
> Robinson

```

Good deal...i was puzzled by that compression setting, i'd never heard of it being done before. Glad you got it worked out!

Jeff