
Subject: Re: reading envi file in IDL

Posted by [robinson.inj](#) on Thu, 23 Aug 2007 20:09:42 GMT

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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:\RSI\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, 2.8500000000e
>>>> +001, 2.8500000000e+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
