Subject: Re: reading envi file in IDL
Posted by Jeff N. on Thu, 23 Aug 2007 19:29:26 GMT
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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