Subject: Re: Problem regarding ENVI file opening
Posted by Suresh Negi on Tue, 06 Sep 2016 07:57:28 GMT
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On Monday, September 5, 2016 at 1:38:04 PM UTC+5:30, Helder wrote:
> On Sunday, September 4, 2016 at 3:30:13 PM UTC+2, Suresh Negi wrote:
>> On Friday, September 2, 2016 at 6:47:00 PM UTC+5:30, wlandsman wrote:
>>> On Friday, September 2, 2016 at 1:08:31 AM UTC-4, Suresh Negi wrote:
>>>> On Thursday, September 1, 2016 at 3:50:10 PM UTC+5:30, Helder wrote:
>>> .
>>>> >
>>>> > Type this in the command line:
>>>> > IDL> query_tiff(file)
>>>> > or
>>>> > IDL> query_tiff('Composite_image1.tif')
>>>> >
>>>> > What does it show?
>>>> >
>>>> > Cheers
>>>>
>>>> Showing syntax error. can you please give me the script to open ENVI tiff file with full band information.
>>>> Thank You
>>>
>>> What version of IDL do you have?   If you have an old version (prior to V8.0 I think) you have to type
>>>
>>> IDL> print, query_tiff('Composite_image1.tif')
>>>
>>> so you don't get a syntax error
>>
>> It is showing 0
>
> Ok, that's something to start with.
> You see, if you type this:
>
> IDL> print, query_tiff('thisFileDoesNotExist.tif')
>   0
>
> You will always get zero. If the file exists, then you get something like this:
> IDL> print, query_tiff('E:\aRealDirectory\thisFileExists.tif')
>   1
>
> Now here is the catch. This is all described here:
> http://www.harrisgeospatial.com/docs/QUERY_TIFF.html
> and here:
> http://www.harrisgeospatial.com/docs/query___routines.html
>

> And you can do more... once you get a 1 as a response (the file exists!) then you can try this:
>
> IDL> print, query_tiff('E:\aRealDirectory\thisFileExists.tif', moreInfo)
>   1
> IDL> help, moreInfo
> ** Structure <16c13620>, 19 tags, length=152, data length=136, refs=1:
>   CHANNELS   LONG   1
>   DIMENSIONS   LONG   Array[2]
>   HAS_PALETTE   INT   0
>   IMAGE_INDEX   LONG   0
>   NUM_IMAGES   LONG   1
>   PIXEL_TYPE   INT   12
>   TYPE   STRING   'TIFF'
>   BITS_PER_SAMPLE LONG   16
>   ORIENTATION   LONG   1
>   PLANAR_CONFIG   LONG   1
>   PHOTOMETRIC   LONG   1
>   POSITION   FLOAT   Array[2]
>   RESOLUTION   FLOAT   Array[2]
>   UNITS   LONG   2
>   TILE_SIZE   LONG   Array[2]
>   DESCRIPTION   STRING   ''
>   DOCUMENT_NAME   STRING   ''
>   DATE_TIME   STRING   ''
>   VERSION   LONG   42
>
> You see what happened? He got a lot of information from the tiff header! If you want to know what the dimensions are, then type:
> IDL> print, moreInfo.dimensions
>   1024   1024
> My file has 1024 rows and 1024 columns.
>
> See how it works?
>
> Try the above and see what happens. Remember to put the full path ('E:\aRealDirectory\') before the file name (an alternative would be to use the CD command, but one thing at a time...).
>
> Try reading the documentation. It IS helpful.
>
> Good luck!

Thank you very much.Now I can read 3 band tiff in it, but one thing i want to know that is there any difference in reading ENVI COMPOSITE TIFF file in IDL.From that command it is showing 0 but it is opening in ENVY.Please help.