
Subject: Problem regarding ENVI file opening
Posted by [Suresh Negi](#) on Thu, 01 Sep 2016 10:02:15 GMT
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I can't open file in IDL if it is tiff file of ENVY
I used this----
file = FILEPATH ('cal.tiff', SUBDIRECTORY = ['examples', 'data'])
even if it reads it shows no of band =3 and says it is a jpeg file.
Also tried read_tiff but same problem. Also blank window appears when try to display it.
Kindly Help.

Is there any way to get complete band details.

Subject: Re: Problem regarding ENVI file opening
Posted by [Suresh Negi](#) on Thu, 01 Sep 2016 10:13:08 GMT
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On Thursday, September 1, 2016 at 3:32:17 PM UTC+5:30, Suresh Negi wrote:
> I can't open file in IDL if it is tiff file of ENVY
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> file = FILEPATH ('cal.tiff', SUBDIRECTORY = ['examples', 'data'])
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> Also tried read_tiff but same problem. Also blank window appears when try to display it.
> Kindly Help.
>
> Is there any way to get complete band details.

also i tried this but besides r,g,b,it is not taking arguments for my 5 band data.
image = READ_TIFF('Composite_image1.tif', R, G,B)

If I am writing this image = READ_TIFF('Composite_image1.tif', R, G,B,X,V) then showing error.

Subject: Re: Problem regarding ENVI file opening
Posted by [Helder Marchetto](#) on Thu, 01 Sep 2016 10:20:07 GMT
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On Thursday, September 1, 2016 at 12:02:17 PM UTC+2, Suresh Negi wrote:
> I can't open file in IDL if it is tiff file of ENVY
> I used this----
> file = FILEPATH ('cal.tiff', SUBDIRECTORY = ['examples', 'data'])
> even if it reads it shows no of band =3 and says it is a jpeg file.
> Also tried read_tiff but same problem. Also blank window appears when try to display it.
> Kindly Help.
>
> Is there any way to get complete band details.

Type this in the command line:

```
IDL> query_tiff(file)
```

or

```
IDL> query_tiff('Composite_image1.tif')
```

What does it show?

Cheers

Subject: Re: Problem regarding ENVI file opening

Posted by [Suresh Negi](#) on Fri, 02 Sep 2016 05:08:29 GMT

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On Thursday, September 1, 2016 at 3:50:10 PM UTC+5:30, Helder wrote:

> On Thursday, September 1, 2016 at 12:02:17 PM UTC+2, Suresh Negi wrote:

>> I can't open file in IDL if it is tiff file of ENVY

>> I used this----

>> file = FILEPATH ('cal.tiff', SUBDIRECTORY = ['examples', 'data'])

>> even if it reads it shows no of band =3 and says it is a jpeg file.

>> Also tried read_tiff but same problem. Also blank window appears when try to display it.

>> Kindly Help.

>>

>> Is there any way to get complete band details.

>

> 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

Subject: Re: Problem regarding ENVI file opening

Posted by [Suresh Negi](#) on Sun, 04 Sep 2016 13:29:34 GMT

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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
```

Subject: Re: Problem regarding ENVI file opening
Posted by [Suresh Negi](#) on Sun, 04 Sep 2016 13:30:10 GMT
[View Forum Message](#) <> [Reply to Message](#)

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:
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>>>
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information.
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> 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

Subject: Re: Problem regarding ENVI file opening
Posted by [Helder Marchetto](#) on Mon, 05 Sep 2016 08:08:00 GMT
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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!

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
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>>> 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 ENVI. Please help.