
Subject: Re: how to read/display an image like it's done in ENVI?

Posted by [Hassan](#) on Tue, 29 Dec 2009 13:15:16 GMT

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On Dec 29, 12:31 pm, David Fanning <n...@dfanning.com> wrote:

> Hassan writes:

>> No, I took that into account as well for example if the pixel value of
>> the position [300,160,0]/[column,row,band] the equivalent pixel in the
>> flipped image in IDL should be [299,160,0] but the pixel value doesn't
>> match.

>

> Shouldn't that be [299, 159, 0]?

>

> Cheers,

>

> David

>

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>

> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

yeah, It is [299,159,0] but the problem still exists. I used the following commands to import the data from ENVI:

```
ENVI> ENVI_OPEN_FILE, image, /NO_REALIZE , R_FID=FID
```

```
ENVI> ;If it is a valid file, read the header
```

```
ENVI> ;if (fid[0] eq -1) then return, -1
```

```
ENVI> envi_file_query, fid, ns=dimX, nl=dimY, nb=nbBands,  
DATA_TYPE=dataType,$
```

```
ENVI>   OFFSET = HeaderOffSet, LOOKUP= lookup, class_names =  
classNames,$
```

```
ENVI>   num_classes = numClasses
```

```
ENVI> map_Info = ENVI_GET_MAP_INFO(FID=FID)
```

```
ENVI> ;Pack the header info in a structure (optional)
```

```
ENVI> headerInfo = {ns:dimX, nl:dimY, lookup:lookup,  
map_info:map_Info}
```

```
ENVI> data = read_binary(ref2,data_Start = HeaderOffSet,$
```

```
ENVI>   data_Type=dataType, data_Dims=[dimX,dimY,nbBANDS],ENDIAN  
= "native")
```

```
ENVI>   image=data
```

do you think has something unusual happened?
