Subject: IDL reading tiff files
Posted by TANG Jian on Sat, 22 Feb 2014 04:15:25 GMT

Hello everyone,

I have a problem when using read_tiff to read tif file with IDL 8.2.3(win32).

It looks like this

IDL> image = read_tiff('2013092118.tif',/VERBOSE)
% READ_TIFF: Warning: Unknown field with tag 317 (0x13d) encountered
% READ_TIFF: AdobeDeflate compression support is not configured

When I use query_tiff , it returned with 0 which means failure...

But when I asked a friend of mine who use IDL(8.2) on a mac, with simple command "
read_tiff('18.tif') ", she can get data read.
but if she use query_tiff, she still get 0 return. It is very weird.
I am wondering if it has something to do with tiff library.

the test file is here
ttps://www.dropbox.com/s/4xz32rsiseyzabk/test.tif

for further information in this file
it has only one layer,which is 7200*3600, and the data is arranged in 16-bit unsigned ints

if you have the same problem or you have any solution for this, please share with us.

Thank you for your time.

Subject: Re: IDL reading tiff files
Posted by TANG Jian on Sat, 22 Feb 2014 11:19:00 GMT

here are some tiff_dump info

IDL> tiff_dump,'test.tif'
% Compiled module: TIFF_DUMP.
Tiff File: byte order=II, Version =   42
*** IFD   0 starting at offset: 8
     14 directory entries
ImageWidth   (256)UShort = 7200
ImageLength   (257)UShort = 3600
BitsPerSample   (258)UShort = 16
Compression   (259)UShort = 8
PhotometricInterpretation (262)UShort = 1

StripOffsets   (273)ULong<Cnt=3600> = 29054 30176 31284 32431 33544 34698 35835
36969 38119 39292 40463 41675 42896 44126 45355 46592
SamplesPerPixel   (277)UShort = 1
RowsPerStrip   (278)UShort = 1
StripByteCounts   (279)ULong<Cnt=3600> = 1122 1108 1147 1113 1154 1137 1134 1150
1173 1171 1212 1221 1230 1229 1237 1263
PlanarConfiguration   (284)UShort = 1
Predictor   (317)UShort = 2
SampleFormat   (339)UShort = 1
<PrivateTag>   (33550)Double<Cnt=3> = 0.050000000 0.050000000 0.00000000
<PrivateTag>   (33922)Double<Cnt=6> = 0.00000000 0.00000000 0.00000000 -180.00000
90.000000 0.00000000
IDL>

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