
Subject: reading 12-bit tiff image

Posted by [Dmitri Volfson](#) on Mon, 08 Dec 2003 23:09:15 GMT

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Hello -

is it possible to read 12-bit tiff image with IDL ?

below is the output of "exifprobe" specifying the structure of the file.

thanks !

dmitri

\$exifprobe saa.tif | cut -f2 -d:

FILE = saa.tif

File Format = TIFF

TIFF(II) 0x4949 0x42 ifd offset = 0x1fe008/2088968)

<IFD0> 16 entries starting at file offset 0x1fe00a=2088970

<0x00fe= 254> NewSubFileType [4 =LONG 1]

= 0 = "primary"

<0x0100= 256> ImageWidth [3 =SHORT 1]

= 1360

<0x0101= 257> ImageLength [3 =SHORT 1]

= 1024

<0x0102= 258> BitsPerSample [3 =SHORT 1]

= 12

<0x0103= 259> Compression [3 =SHORT 1]

= 1 = "uncompressed"

<0x0106= 262> PhotometricInterpretation [3 =SHORT 1]

= 1 = "black is 0"

<0x0111= 273> StripOffsets [4 =LONG 52]

= @0x1fe0ce=2089166

<0x0112= 274> Orientation [3 =SHORT 1]

= 1 = "0,0 is top left"

<0x0115= 277> SamplesPerPixel [3 =SHORT 1]

= 1

<0x0116= 278> RowsPerStrip [3 =SHORT 1]

= 20

<0x0117= 279> StripByteCounts [4 =LONG 52]

= @0x1fe19e=2089374

<0x0118= 280> MinSampleValue [3 =SHORT 1]

= 0

<0x0119= 281> MaxSampleValue [3 =SHORT 1]

= 4095

<0x011c= 284> PlanarConfiguration [3 =SHORT 1]

```
= 1 = "chunky/contig"
  <0x0131= 305> Software          [2 =ASCII    11]
= @0x1fe26e=2089582
  <0x0132= 306> DateTime          [2 =ASCII    20]
= @0x1fe27a=2089594
  **** next IFD offset 0
  ===== VALUES, IFD0 =====
  StripOffsets                    = 8,40808,81608 ... ,2080808 (52)
-> @2089370
  StripByteCounts                 = 40800,40800,40800 ... ,8160 (52)
-> @2089578
  Software                       = "SPOT 3.5.4\0"
  DateTime                      = "2003"
</IFD0>
Start of uncompressed primary image data, length 2088960 (IFD 0)
End of uncompressed primary image data
END OF FILE
```
