

Here's the metadata before running ExifTool on 20011112-MCD_Spain_Study_Abroad_001.jpg...

```
ExifTool -a -gl -s 2001*.jpg
```

```
---- ExifTool ----
ExifToolVersion      : 9.85
---- System ----
FileName             : 20011112-MCD_Spain_Study_Abroad-001.jpg
Directory            : .
FileSize             : 5.5 MB
FileModifyDate       : 2013:07:13 14:05:23-05:00
FileAccessDate       : 2015:02:17 14:43:43-06:00
FileCreateDate       : 2015:02:15 10:53:22-06:00
FilePermissions      : r--r--r--
---- File ----
FileType             : JPEG
MIMEType             : image/jpeg
Comment              :
ImageWidth           : 2646
ImageHeight          : 2077
EncodingProcess      : Baseline DCT, Huffman coding
BitsPerSample        : 8
ColorComponents       : 3
YCbCrSubSampling     : YCbCr4:2:2 (2 1)
---- JFIF ----
JFIFVersion          : 1.02
ResolutionUnit        : inches
XResolution           : 600
YResolution           : 600
---- Composite ----
ImageSize             : 2646x2077
Megapixels            : 5.5
```

Then I ran this ExifTool command....

```
ExifTool -v2 -a -P -Overwrite_Original -args "-AllDates<${filename;s/-.*//} 12:34:56"
"-FileModifyDate<${filename;s/-.*//} 12:34:56" "-FileAccessDate<${filename;s/-.*//} 12:34:56"
"-FileCreateDate<${filename;s/-.*//} 12:34:56" 20011112*.jpg
```

And got the following ExifTool output:

```
C:\_Data\DeleteMe\ExifTest>ExifTool -v2 -a -P -Overwrite_Original -args "-AllDates<${filename;s/-.*/> 12:34:56" "-FileModifyDate<${filename;s/-.*/> 12:34:56" "-FileAccessDate<${filename;s/-.*/> 12:34:56" "-FileCreateDate<${filename;s/-.*/> 12:34:56" 20011112*.jpg
===== 20011112-MCD_Spain_Study_Abroad-001.jpg
Setting new values from 20011112-MCD_Spain_Study_Abroad-001.jpg
Writing MIE-Doc:DateTimeOriginal
Writing CanonRaw:DateTimeOriginal if tag exists
Writing Reonyx:DateTimeOriginal if tag exists
Writing Kodak:DateTimeOriginal if tag exists
Writing XMP-exif:DateTimeOriginal if tag exists
Writing ExifIFD:DateTimeOriginal
Writing QuickTime:CreateDate if tag exists
Writing PostScript:CreateDate
Writing PNG:CreateDate
Writing MIE-Doc:CreateDate
Writing PDF:CreateDate if tag exists
Writing XMP-xmp:CreateDate if tag exists
Writing ExifIFD:CreateDate
Writing QuickTime:ModifyDate if tag exists
Writing PostScript:ModifyDate
Writing PNG:ModifyDate
Writing MIE-Doc:ModifyDate
Writing PDF:ModifyDate if tag exists
Writing XMP-xmp:ModifyDate if tag exists
Writing IFD0:ModifyDate
Writing File:FileModifyDate
Writing File:FileCreateDate
Rewriting 20011112-MCD_Spain_Study_Abroad-001.jpg...
Editing tags in: APP0 APP1 CIFF ExifIFD File IFD0 JFIF MIE-Doc MakerNotes PDF
PNG PostScript QuickTime XMP
Creating tags in: APP1 ExifIFD File IFD0 MIE-Doc PNG PostScript
JPEG APP0 <14 bytes>:
Rewriting JFIF
Creating APP1:
Creating IFD0
ExifByteOrder = MM
+ IFD0:XResolution = '600' <mandatory>
+ IFD0:YResolution = '600' <mandatory>
+ IFD0:ResolutionUnit = '2' <mandatory>
+ IFD0:ModifyDate = '2001:11:12 12:34:56'
+ IFD0:YCbCrPositioning = '1' <mandatory>
Creating ExifIFD
+ ExifIFD:ExifVersion = '0230' <mandatory>
+ ExifIFD:DateTimeOriginal = '2001:11:12 12:34:56'
+ ExifIFD:CreateDate = '2001:11:12 12:34:56'
+ ExifIFD:ComponentsConfiguration = '1 2 3 0' <mandatory>
+ ExifIFD:FlashpixVersion = '0100' <mandatory>
+ ExifIFD:ColorSpace = '65535' <mandatory>
JPEG COM <1 bytes>:
JPEG DQT <65 bytes>:
JPEG DQT <65 bytes>:
JPEG SOF0:
JPEG DHT <29 bytes>:
JPEG DHT <179 bytes>:
JPEG DHT <29 bytes>:
JPEG DHT <179 bytes>:
JPEG SOS
+ FileModifyDate = '1005590096'
+ FileCreateDate = '1005590096'
1 image files updated
C:\_Data\DeleteMe\ExifTest>
```

And here's the resulting metadata... The (3) –AllDates (DateTimeOriginal ("Data Taken"), CreateDate, and ModifyDate) tag values changed. But the FileModifyDate, FileAccessDate, and FileCreateDate remained unchanged. But there are no error messages.

```
ExifTool -a -gl -s 2001*.jpg
```

```
---- ExifTool ----
ExifToolVersion           : 9.85
---- System ----
FileName                  : 20011112-MCD_Spain_Study_Abroad-001.jpg
Directory                 : .
FileSize                  : 5.5 MB
FileModifyDate            : 2013:07:13 14:05:23-05:00
FileAccessDate            : 2015:02:17 15:11:58-06:00
FileCreateDate            : 2015:02:15 10:53:22-06:00
FilePermissions           : r--r--r--
---- File ----
FileType                  : JPEG
MIMEType                  : image/jpeg
ExifByteOrder             : Big-endian (Motorola, MM)
Comment                   :
ImageWidth                : 2646
ImageHeight               : 2077
EncodingProcess           : Baseline DCT, Huffman coding
BitsPerSample             : 8
ColorComponents           : 3
YCbCrSubSampling         : YCbCr4:2:2 (2 1)
---- JFIF ----
JFIFVersion              : 1.02
ResolutionUnit            : inches
XResolution               : 600
YResolution               : 600
---- IFD0 ----
XResolution              : 600
YResolution              : 600
ResolutionUnit            : inches
ModifyDate                : 2001:11:12 12:34:56
YCbCrPositioning         : Centered
---- ExifIFD ----
ExifVersion               : 0230
DateTimeOriginal          : 2001:11:12 12:34:56
CreateDate                : 2001:11:12 12:34:56
ComponentsConfiguration   : Y, Cb, Cr, -
FlashpixVersion           : 0100
ColorSpace                : Uncalibrated
---- Composite ----
ImageSize                 : 2646x2077
Megapixels                : 5.5
```

Why didn't the File modified, accessed, and created dates not change? Can Windows filesystem dates be changed?