**TIFF CHANGE INFORMATION**

**Current Version**: v3.8.0  
**Previous Version**: [v3.7.4](http://docs.google.com/v3.7.4.html)  
**Master FTP Site**:  [download.osgeo.org](ftp://download.osgeo.org/libtiff), directory pub/libtiff  
**Master HTTP Site**: <http://www.simplesystems.org/libtiff/>

This document describes the changes made to the software between the *previous* and *current* versions (see above). If you don't find something listed here, then it was not done in this timeframe, or it was not considered important enough to be mentioned. The following information is located here:

* [Major Changes](#tyjcwt)
* [Changes in the software configuration](#30j0zll)
* [Changes in libtiff](#1fob9te)
* [Changes in the tools](#3znysh7)
* [Changes in the contrib area](#2et92p0)

**MAJOR CHANGES:**

* Read-only support for custom directories (e.g. EXIF directory).
* Preliminary support for MS MDI format.

**CHANGES IN THE SOFTWARE CONFIGURATION:**

* Make the default strip size configurable via the --with-default-strip-size and STRIP\_SIZE\_DEFAULT options.

**CHANGES IN LIBTIFF:**

* tiffio.h: Added VC\_EXTRALEAN definition before including windows.h, to reduce the compile time.
* tif\_jpeg.c: Improve compilation under MinGW.
* {tif\_aux.c, tif\_dir.c, tif\_dir.h, tif\_dirwrite.c, tif\_print.c, tif\_getimage.c}: Make InkSet, NumberOfInks, DotRange and StoNits tags custom.
* {tif\_aux.c, tif\_dir.c, tif\_dir.h, tif\_print.c}: Make WhitePoint tag custom.
* tiffio.h: fixed typo that potentially resulted in redefininition of USE\_WIN32\_FILEIO
* {tif\_dir.c, tif\_dir.h, tif\_print.c}: Make RichTIFFIPTC, Photoshop and ICCProfile tags custom.
* libtiff/\*, contrib/\*: Added 'dual-mode' error handling, enabling newer code to get context indicator in error handler and still remain compatible with older code: Done TIFFError calls everywhere except in tools.
* tiffinfo.c: Print EXIF directory contents if exist.
* {tif\_dirinfo.c, tif\_dirread.c, tif\_dir.h, tif\_dir.c}: Custom directory read-only support.
* {tif\_aux.c, tif\_dirinfo.c, tif\_dirread.c, tif\_dir.h, tif\_dir.c, tif\_print.c}: Make YCbCrCoefficients and ReferenceBlackWhite tags custom.
* tif\_dirread.c: One more workaround for broken StripByteCounts tag. Handle the case when StripByteCounts array filled with completely wrong values.
* tif\_dirinfo.c: Release file descriptor in case of failure in the TIFFOpenW() function as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=1003>
* tif\_dirinfo.c: Correctly yse bsearch() and lfind() functions as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=1008>
* tif\_open.c, tiff.h, tiffdump.c: Incorporate preliminary support for MS MDI format. <http://bugzilla.remotesensing.org/show_bug.cgi?id=1002>
* libtiff.def, tiffiop.h, tiffio.h: Made TIFFFreeDirectory public.
* /tif\_dirinfo.c: Make XResolution, YResolution and ResolutionUnit tags modifiable during write process. As per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=977>
* if\_dirread.c: Don't try and split single strips into "0" strips in ChopUpSingleUncompressedStrip. This happens in some degenerate cases (like 1x1 files with stripbytecounts==0 (gtsmall.jp2 embed tiff)
* tif\_fax3.c: changed 'at scanline ...' style warning/errors with incorrect use of tif\_row, to 'at line ... of strip/tile ...' style.

**CHANGES IN THE TOOLS:**

* tiffcp.c: Added many error reporting messages; fixed integer overflow as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=789>
* tiffcp.c: Return non-zero status when reading fails.
* fax2tiff.c: Properly calculate sizes of temporary arrays as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=943>
* fax2tiff.c: Added option '-r' to set RowsPerStrip parameter as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=944>
* tiffdump.c: Fixed typeshift and typemask arrays initialization problem as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=946>
* bmp2tiff.c: Fixed possible integer overflow error as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=965>
* tiffsplit.c: Copy fax related fields over splitted parts as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=983>
* tiffdump.c: Fixed crash when reading malformed tags.
* tiff2pdf.c: Added missed 'break' statement as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=932>

**CHANGES IN THE CONTRIB AREA:**

* contrib/addtiffo/\*: Major upgrade by Joris to support subsampled YCbCr images in jpeg compressed TIFF files.

Last updated $Date: 2016-09-25 20:05:45 $.