**TIFF CHANGE INFORMATION**

**Current Version**: v3.7.1  
**Previous Version**: [v3.7.0](http://docs.google.com/v3.7.0.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:**

* This is mostly bugfix release. Most important fix is the one related to wrong custom tag read/write code.

**CHANGES IN THE SOFTWARE CONFIGURATION:**

* autogen.sh: aclocal and autoheader should be executed after libtoolize. Also add '-I .' to aclocal invocation to check current directory for macros.
* nmake.opt: Link with the user32.lib in windowed mode. As per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=697>
* nmake.opt, makefile.vc: make it easier to rename the libtiff DLL.
* configure, configure.ac: Added --enable-rpath option to embed linker paths into library binary.

**CHANGES IN LIBTIFF:**

* tiff.h: Revert back libtiff data type definitions as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=687>
* tif\_dirread.c: Do not forget about TIFF\_VARIABLE2 when checking for tag count in TIFFReadDirectory() function. As per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=713>
* tif\_getimage.c: Support for multiple-alpha-channelled RGB-images as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=718>
* tif\_getimage.c: #define A1 bracketing for clean build on SunPro compiler.
* tif\_dirwrite.c: Always write TIFFTAG\_SUBIFD using LONG type as per bugs <http://bugzilla.remotesensing.org/show_bug.cgi?id=703> and <http://bugzilla.remotesensing.org/show_bug.cgi?id=704>.
* tif\_win32.c: Use char\* strings instead of TCHAR in windowed mode as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=697>
* tif\_dir.c, tif\_dirread.c: Remove TIFFReassignTagToIgnore() call from the TIFFReadDirectory() function. TIFFReassignTagToIgnore must be removed in the future, as it was never used properly. As per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=692>
* tif\_jpeg.c: Added a work-around in order to allow compilation with the heavily modified version of libjpeg delivered with Cygwin.
* tif\_dir.c: Properly handle tags, which have the uint32 counts. As per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=693>
* tif\_unix.c: Make UNIX module compilable (and usable) on Windows.
* tiff.h: Added Adobe DNG tags.
* tif\_aux.c: Set the appropriate ReferenceBlackWhite array for YCbCr image which lacks that tag (noted by Hans Petter Selasky).
* tif\_color.c: Division by zero fixed (Hans Petter Selasky).
* tif\_stream.cxx, tiffio.h: Added C++ stream interface contributed by Edward Lam (see <http://bugzilla.remotesensing.org/show_bug.cgi?id=654> for details). Those who want to use C++ streams should #include .
* tif\_open.c: Removed close() in TIFFClientOpen() if file is bad. This is the callers responsibility. <http://bugzilla.remotesensing.org/show_bug.cgi?id=651>
* tiffio.h, tif\_win32.c, libtiff.def}: Added TIFFOpenW() function to work with the double byte strings (used to represent filenames in some locales). As per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=625>
* tif\_dirread.c: Fixed problem when fetching BitsPerSample and Compression tags of type LONG from broken TIFFS as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=662>
* tif\_dirinfo.c: Fixed definition for TIFFTAG\_RICHTIFFIPTC, the writecount should have uint32 type. As per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=662>
* tif\_write.c: Fixed wrong if() statement in TIFFAppendToStrip() function as per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=660>
* tif\_dirinfo.c: Change definition for TIFFTAG\_EXTRASAMPLES field. The caller should supply a count when setting this field. As per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=648>.
* tif\_jpeg.c, tif\_ojpeg.c: TIFFTAG\_JPEGTABLES should have uint32 count. Use this type everywhere.
* tif\_next.c: avoid use of u\_long and u\_char types.
* tif\_fax3.c: Fixed case with the wrong decode routines choosing when the incorrect Group4Options tag set. As per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=323>
* tif\_dirwrite.c: Fixed problem with passing count variable of wrong type when writing the TIFF\_BYTE/TIFF\_SBYTE tags in TIFFWriteNormalTag().
* tif\_compress.c: Zero division problem fixed (Vladimir Nadvornik, Dmitry V. Levin).

**CHANGES IN THE TOOLS:**

* fax2ps.c: Be able to extract the first page (#0). As per bug <http://bugzilla.remotesensing.org/show_bug.cgi?id=690>
* tiff2ps.c: Fixed wrong variable data type when read Position tags (Tristan Hill).
* tiff2ps.c: Fixed wrong variable data type when read Resolution tags (Peter Fales).
* tiffset.c: Check the malloc return value (Dmitry V. Levin).

**CHANGES IN THE CONTRIB AREA:**

* No changes.

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