**TIFF CHANGE INFORMATION**

**Current Version**: v3.5.6beta  
**Previous Version**: [v3.5.5](http://docs.google.com/v3.5.5.html)  
**Master FTP Site**: [ftp.onshore.com](ftp://ftp.onshore.com/pub/libtiff), directory pub/libtiff  
**Master HTTP Site**: [http://www.simplesystems.org/libtiff/](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:

* [Changes in the software configuration](#gjdgxs)
* [Changes in libtiff](#30j0zll)
* [Changes in the tools](#1fob9te)
* [Changes in contrib](#3znysh7)
* [Changes in the LZW compression kit](#2et92p0)

**CHANGES IN THE SOFTWARE CONFIGURATION:**

* Added GNULDdso target and switched linux and freebsd to use it.
* tools/Makefile.in: Modified to install properly on SGI.
* configure: Fixed DSO test for Linux as per patch from Jan Van Buggenhout .

**CHANGES IN LIBTIFF:**

* tif\_dir.c: Clear TIFF\_ISTILED flag in TIFFDefaultDirectory as per http://bugzilla.remotesensing.org/show\_bug.cgi?id=18 from vandrove@vc.cvut.cz.
* Modified tif\_packbits.c decoding to avoid overrunning the output buffer, and to issue a warning if data needs to be discarded. See http://bugzilla.remotesensing.org/show\_bug.cgi?id=18
* Modified TIFFClientOpen() to emit an error on an attempt to open a comperessed file for update (O\_RDWR/r+) access. This is because the compressor/decompressor code gets very confused when the mode is O\_RDWR, assuming this means writing only. See bug http://bugzilla.remotesensing.org/show\_bug.cgi?id=13
* Applied patch for 0x0000 sequences in tif\_fax3.h's definition of EXPAND1D() as per bug 11 (from Roman).
* Fixed tiffcomp.h to avoid win32 stuff if unix #defined, to improve cygwin compatibility.
* Applied patch from Roman Shpount to tif\_fax3.c. This seems to be a proper fix to the buffer sizing problem. See http://bugzilla.remotesensing.org/show\_bug.cgi?id=11
* Fixed tif\_getimage.c to fix overrun bug with YCbCr images without downsampling. http://bugzilla.remotesensing.org/show\_bug.cgi?id=10 Thanks to Nick Lamb for reporting the bug and proving the patch.
* Fixed tif\_jpeg.c so avoid destroying the decompressor before we are done access data thanks to bug report from: Michael Eckstein .
* tif\_open.c: Don't set MMAP for O\_RDWR files.
* tif\_open.c: Set STRIPCHOP\_DEFAULT for O\_RDWR as well as O\_RDONLY so that files opened for update can be strip chopped too.
* tif\_read.c: fixed up bug with files missing rowsperstrip and the strips per separation fix done a few weeks ago.
* Tentatively added support for SAMPLEFORMAT\_COMPLEXIEEEFP, and SAMPLEFORMAT\_COMPLEXINT.
* index.html, bugs.html: added bugzilla info.
* tif\_read.c: fix subtle bug with determining the number of rows for strips that are the last strip in a separation but not the last strip of all in TIFFReadEncodedStrip().
* Applied 16/32 bit fix to tif\_fax3.c. Fix supplied by Peter Skarpetis
* Modified tiffio.h logic with regard to including windows.h. It won't include it when building with \_\_CYGWIN\_\_.
* README: update to mention www.libtiff.org, don't list Sam's old email address.
* libtiff/tif\_dirread.c: Don't use estimate strip byte count for one tile/strip images with an offset, and byte count of zero. These could be "unpopulated" images.
* tif\_win32.c: Applied patch to fix overreads and ovverwrites caught by BoundsChecker. From Arvan Pritchard (untested).
* tif\_getimage.c: Applied patch to silence VC6 warnings. From Arvan Pritchard
* tif\_lzw.c: Applied patch to silence VC6 warnings. From Arvan Pritchard
* libtiff/tif\_apple.c: Applied "Carbon" support patches supplied by Leonard Rosenthol . May interfere with correct building on older systems. If so, please let me know.

**CHANGES IN THE TOOLS:**

* tools/rgb2ycbcr.c: fixed output strip size to account for vertical roundup if rows\_per\_strip not a multiple of vertical sample size.
* tools/tiffsplit.c: Copy TIFFTAG\_SAMPLEFORMAT.
* Modified tiff2bw to ensure portions add to 100%, and that white is properly recovered. See bug http://bugzilla.remotesensing.org/show\_bug.cgi?id=15 Patch c/o Stanislav Brabec

**CHANGES IN CONTRIB:**

* contrib/addtiffo: Added "averaging" resampling option.
* Added contrib/stream (stream io) code submitted by Avi Bleiweiss.

**CHANGES IN THE LZW COMPRESSION KIT**

* updated tif\_dir.c to reflect changes to no-lzw tif\_dir.c

 TIFF home page.

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