**TIFF CHANGE INFORMATION**

**Current Version**: v3.4beta028  
**Previous Version**: [v3.4beta024](http://docs.google.com/v3.4beta024.html)  
**Master FTP Site**: [ftp.sgi.com (192.48.153.1), directory graphics/tiff](ftp://ftp.sgi.com/graphics/tiff)

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 the manual pages](#3znysh7)
* [Changes in the contributed software](#2et92p0)

**CHANGES IN THE SOFTWARE CONFIGURATION:**

* a -noninteractive flag was added to configure to control whether or not it prints and prompts for configuration information
* various typos and fixes were made in configure for the the library-only build support (this and other configure fixes from Richard Mlynarik [<mly@adoc.xerox.com>](mailto:mly@adoc.xerox.com))
* bugs were fixed in the handling of pathnames supplied for external packages; e.g. DIR\_JPEG
* the handling of SETMAKE is now done properly
* the default prototype function declaration for pow was corrected
* a bug was fixed in **libtiff/Makefile.in** that caused installation to fail on systems without DSO support

**CHANGES IN LIBTIFF:**

* Acorn RISC O/S support that was accidentally left out of the left out of the previous distribution is present (from Peter Greenham)
* complaints about unknown and/or unsupported codecs have been delayed until they are invoked; this permits applications to open images and look at tags even if the image data is compressed with an unknown/unsupported compression scheme
* bugs in handling unknown tags have been corrected; applications that use multiple codecs, each with codec-specific tags, no longer generate confusing error messages
* a missing pseudo-tag definition in the CCITT G3 codec was fixed (this problem caused core dumps in the tiffcp program)
* pseudo-tags are now treated specially; they are always considered to be set (i.e. they do not use bits in the FIELD\_\* bit-vectors).
* the use of strip chopping can now be controlled on a per-file basis through a mode parameter supplied when opening a file (``C'' to enable strip chopping and ``c'' to disable)
* two bugs were fixed in the writing of opposite-endian byte-order files
* support was added for three new fax-related tags registered to SGI: FaxRecvParams, FaxRecvTime, and FaxSubAddress
* the bit order of image data read and written can now be controlled on a per-file basis through a mode parameter supplied when opening a file (``B'' to force MSB2LSB bit order, ``L'' for LSB2MSB bit order, and ``H'' for the bit order of the native CPU)
* the byte order of image and tag data written to newly-created files can now be controlled on a per-file basis through a mode parameter supplied when openening a file (``b'' to force Big-Endian byte order and ``l'' to force Little-Endian byte order)
* the use memory-mapped files for images opened read-only can now be controlled on a per-file basis through a mode parameter supplied when opening a file (``M'' to enable use of memory-mapped files and ``m'' to disable use)
* the use of the WIN32 define in **tiffiop.h** has been replaced by \_\_WIN32\_\_

**CHANGES IN THE TOOLS:**

* fax2ps now does a save and restore around each page of PostScript; this fixes a problem with VM overflow when printing a many-page document on some printers
* a bug in the handling of 3-channel images by ras2tiff was fixed
* tiffcp has new options to control the byte order of newly created files: **-B** for Big-Endian byte order, **-L** for Little-Endian byte order; a **-M** option to disable the use of memory-mapped files, and a **-C** option to disable the use of strip chopping
* bugs were fixed in tiffcp's handling of codec-specific tags

**CHANGES IN THE MANUAL PAGES:**

* the TIFFOpen page has been updated to reflect the new optional open mode parameters

**CHANGES IN THE CONTRIBUTED SOFTWARE:**

* **contrib/win95** contains information and code from Philippe Tenenhaus [<100423.3705@compuserve.com>](mailto:100423.3705@compuserve.com) about using the software under Windows 95
* **contrib/winnt** contains information and code from Dave Dyer [<ddyer@triple-i.com>](mailto:ddyer@triple-i.com) about using the software under Windows NT

 TIFF home page.

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