**TIFF CHANGE INFORMATION**

**Current Version**: v3.4beta036  
**Previous Version**: [v3.4beta035](http://docs.google.com/v3.4beta035.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 SOFTWARE CONFIGURATION:**

* support was added for building the library as a DSO under HP-UX with the native C compiler
* tools are now built with explicit pathnames for the DSO under IRIX, Solaris, and Linux
* DSO configuration support for Linux was changed to require that **libc.so** only be readable (not executable)

**CHANGES IN LIBTIFF:**

* support was add for ICC: NumberOfInks, and ICCProfile
* a memory leak caused by doing TIFFSetDirectory(0) was fixed
* a bug was fixed whereby certain multi-directory files were not properly handled when accessed by mapping the data into memory
* the strip chopping support is now always compiled into the library with the default usage controlled by a STRIPCHOP\_DEFAULT configuration parameter
* the strip chopping support no longer chops tiled images
* all static strings are now const--for shared libraries
* the logic for estimating the strip size of images without a StripByteCounts tag was improved by handling PlanarContig images differently from PlanarSeparate
* a bug was fixed in the G3 codec when converting the Y resolution of data specified in metric units
* a bug was fixed in the G3/G4 decoder for data where lines terminate with a v0 code
* the TIFFRGBAImage support was changed to scale 16-bit colormap entries more conservatively to avoid problems with applications that do not generate fully saturated pixel values
* the LZW decoder was changed to use a more conservative scheme when bounds checking the hash table array; this avoids pitfalls with systems that load objects into memory in unusual locations
* a bug was fixed in TIFFPrintDirectory's handling of the InkNames tag
* TIFFPrintDirectory now understands NumberOfInks and ICC-related tags
* the routines for reading image data now provide more useful information when a read error is encountered
* support was added for compiling with Microsoft Visual C++ 4.0

**CHANGES IN THE TOOLS:**

* a bug was fixed in **pal2rgb**'s colormap handling
* **tiff2ps** now includes John Wehle's changes for maintaining the aspect ratio of images when scaling and for honoring the deadzone on a page when generating PostScript Level II
* **tiff2ps** does a better job guarding against the mishandling of greyscale images
* **tiff2ps** now correctly converts X- and Y-resolution values specified in metric units
* **tiffdump** has a new -m option to control the maximum number of indirect data values printed for a tag (by default 24)
* **tiffdump** understands several new tags
* **tiffdump** now shows any terminating null in ASCII strings
* **tiffinfo** now suppresses strip chopping when interpreting an image; a new -z option has been added to enable strip chopping

 TIFF home page.

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