T2 Changelog Starting with 2.00

From 2.00 to 2.01
· Cloning
· PB Frame always changes tool mode to Arrow
· Compositing of PB frames is always OVER
· Tile is File Mode by default
· Queue Scheduler fixed again

2.01 ± 2.02
· Right mouse down on the app icon orders fron the Action Manager panel (if app is active; otherwise, double-click the app icon as usual)
· Autoscroll with Crop works properly
· Mysterious "Exiting due to Window Server death" crashes fixed.
· App no longer supports temp Beta Tester license keys

2.02 ± 2.03
· When hidden, the app icon shows the progress pie of the currently running process. This way you can deactivate the app and still monitor a long-lasting action.
· Negative or zero sizes with resize are caught correctly
· Negative or zero sizes with mosaic are caught correctly
· "Report suggestion" added to Info menu

2.03 ± 2.04
· Progress pie with hidden app composited over the app icon to allow better app recognition
· Fonts with bad font metrics are handled better (cases like 'j', 'q', '|')
· Fonts in images with DPI other than 72 handled correctly. This includes that a 64pt font on a 300dpi image looks like a 64dpi font. Rare redraw errors possible.
· "New Image dpi" saved into defaults database
· More detailed crash backtraces
· Progress bar while launching for even sleep-lesser launch

· Progress pie in app icon shown even if app only deactivated; progress panel hides on deactivate.

2.04 ± 2.05
· QueueScheduler can be opened more than once

2.05 ± 2.10
· Right mouse button works again
· No color shield ± mask action instead
· Intensity setting handled correctly in Preview
· Smart Undo removed for speed reasons
· Correction RGB, Replace, Lighting don't work with Transformation for speedup reasons; now these are fast as hell!   :-)
· Image Memory size displayed correctly
· Tool Panel doesn't react on Menu shortcuts
· ColorShield implemented as a part of the Replace action
· Zoom-Shortcuts as follows:
  · Drag selects the area
  · Click zooms in by factor 2
  · Alternate-Click zooms out by factor 2
  · Command-Click or [Space] zooms to 100%

2.10 ± 2.11
· Modules speedup:

CorrectionRGB, CMYK, Alpha	1.6x
HueSaturation, Saturation Shift	1.6x
HueSaturation, Hue Shift	2.3x
Linear Filter, 9x9	1.3x
Linear Filter, 3x3	1.7x
Dedither	1.6x
Blend	1.8x

     Contourline   1.9x

· Blend got a grid for easier color-swatch positioning.
· New Module: Balance
· Histogram truncates peaks, and got a grid, too.
· B/W Histogram displaying improved.
· App looks also in ~/Library/TIFFany for T2.license, with highest priority; /LocalLibrary/TIFFany is considered 2nd highest, the AppWrapper the least priority. When saving a license, the priority is exactly reversed.
· **Transformation (Arrows) tool removed**; speed increased
· Zoom-On-Click fixed to show the correct part of image
· Alt-Drag on main anchor of a bezier point constraints the movement direction; on supporting points, ALT still defines sync/individual movement.

2.11 ± 2.12

· Transformation routines removed from TIFFanyBitmap class family. Small speedup in interpolation & antialiasing routines.
· Blend action:
  - Uses new CSMath classes
  - Additional speedup by factor 2.1x
  - Faster displaying of color-swatches
  - Problems with NXCMYKAdjust fixed
  - Memory leak fixed
· Module Caching built in:
  - After the 1st launch, the cache is generated
  - The cache is self-updating
  - True "on-demand" loading of actions
  - Works with demo versions
  - T2 knows ony about actions / icons you really need
  - Expansions are statically loaded because of menu entries
  This way, all modules in the search paths will be recognized and are available immediately; the first time a bundle is *accessed* is when its entry is selected in the Action

Manager (or the shelf). The module is not *loaded* before you really press "Apply" (or select the Brush tool).   This approach makes the last "Action Manager" launch step appear longer, but it decreases the overall launch time by 50+%. Removed bundles are pruned form the cache on T2 exit.
· "Active Modules" Preferences removed as it became inconform with caching
· Launch behavior of ActionManager / Tool Panel improved
· Image Database launch time improved

2.12 ± 2.13b
· Clear Image - crashes fixed
· Expansion crashes fixed (since 2.12)
· "New Action" bug fixed (since 2.12)
· Unnecessary window redraws optimized (as far as I could tell)
· Event response time improved
· Resizing Database window resizes the matrix, not the browser
· Database remembers the size ratio browser/matrix

2.13 ± 2.14
· New-style interpolation and antialiasing methods implemented.
· Resize rewritten. Speedup factors:
    - Shrink, all methods   1.3x
    - Nearest Neighbor   1.2x
    - Linear interpolation   2.0x
    - Cubic interpolation   1.6x
    - Blackman Sinc interpolation   1.5x
    - Hamming Sinc interpolation   1.5x
    - Catmull-Rom spline   2.9x
· Blackman sinc interpolation removed ± lower quality than Catmull-Rom and slower, too.

2.14 ± 2.15
· Major internal rewrite to make HPPA compiler happy

- Affine Mapping uses new-style function calls. Speedup:
  - Translation   1.5x
  - Rotation / Shear / Scaling   1.1x
- Contourline bug fixed: You get now five contourlines when you've choosen five ... and not six ;-)
- Paste improved. Speedup:
  - Paste 1:1   1.1x
  - Enlarging paste   1.6x
  - Shrinking paste   1.1x
- ChannelConversion renamed to ChannelConversionCMYK
- ChannelConversionCMYK uses new-style function calls. Speedup factor 1.3x
- New module ChannelConversionRGB implemented.

2.15 ± 2.17
- Internal restructuring completed
- Bundle substitution fixed
- ActionManager creates backup files of tam files, as described
- Application no longer crashes when it encounters a TAM file written by a younger version.

2.17b
- HP triple-FAT port available
- German language support

2.17 ± 2.18
- Cloning works with Demo versions
- Home directory permissions do not get messed up on virgin launch / new license installation
- An action manager is opened by default on new accouns.

2.18 ± 2.20
- OOE compliant
- Quadruple Binary (NeXT, Intel, HP, Sparc) available

2.20 ± 2.22
· Click into the Clone window scrolls the main window to that particular location
· Printing of images with dpi != 72 fixed
· Display zoom factor does not affect print output
· A text selection's text can be changed (again) thru the Font Panel (new bug implemented in 2.14 Ð who has more?)
· You get a nice warning when you try to quit and a database (or other detached engine from 3rd party developers) is running.
· Morphing can be called without crashes
· More OOE tuning (2.22)

2.22 ± 2.23
· 3-fat demo version weird behavior fixed
· job file format fixed (jobs can be loaded that is)
· Text selection: font size is updated in the inspector and the font panel correctly
· WindowManager: QueueScheduler button does not turn disabled all at a sudden
· "Balance" module works in demo mode
· If a module cannot be loaded, a warning to the console is issued only once

2.23 ± 2.24c
  Major Action Inspector Rewrite:
· Multiple action inspectors can be opened, even for the same action if Alternate is held at double-click
· Multiple preview instances can be opened, one per inspector instance
· When an action inspector is closed, its preview is closed, too, unless it was already open when the inspector was brought on-screen (i.e. thru the Preview command in the menu). This is to reduce the mess on screen.

2.24 ± 2.26
· Units can be set in Rulers

- Speedup of factor 4 for common contrast actions
- New crash catching mechanism
- Bug fixes here & there
- When user logs out, he is prompted to save edited images (if not in super-expert mode); the action managers are saved, too
- Cloning bugs fixed
- (2.26.1) New "Save New" button in Action Inspector that leaves the original action unchanged and saves the current setting as a new action. "Cancel" button is gone, but you can now close the panel with the new close button which has the same function as Cancel did. This can still be achieved by Command-Backspace.
- (2.26.2) Morphing works (i.e. images can be selected as source / target)
- (2.26.2) T2 doesn't hang anymore when an OOE client dies while the corresponding window is still open in T2
- (2.26.3) Crashes of NoiseReduction fixed
- (2.26.3) Quit problems fixed
- (2.26.3) Compositing popup is no longer disabled when an action has its own compositing method; it only prompts the predefined method, but the user is able to change it (temporarily) with the popup.