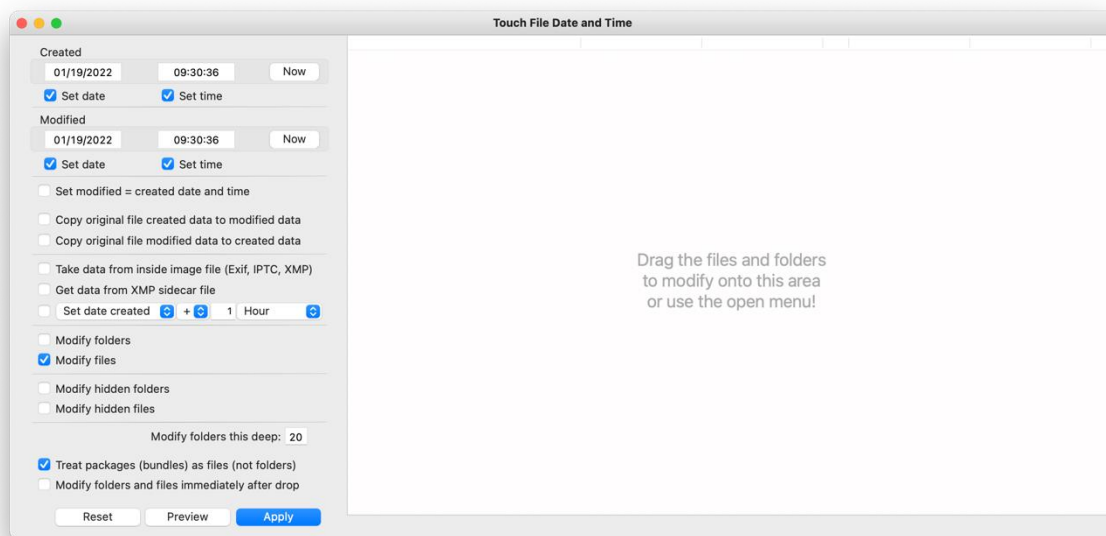


## Table of Content

The first program launch	2
Settings	2
Selecting folders and files	2
Note	2
Downloads	3
Files and folders	4
Folders, files, hidden folders and files	5
Treat packages (bundles) as files (not folders)	8
Take data from inside image file (Exif, IPTC, XMP)	9
Get data from XMP sidecar file	10
Get data from file name	11
Modify date and/or time relative	12
Preview	13
Hints	14

## The first program launch

Launching the application the first time displays this window:



### Settings

The left part of this window shows all possible settings. On the right part the folders and files to process and, after clicking on the **Preview** button, a preview of the possible result will be displayed.

## Settings

The settings on the left side of the of the program's window are self-explaining. To enter a date or time you can use the following characters as separators: Comma, Period, Colon, Hyphen (Minus) and Slash. This makes entering text more comfortable. The program replaces these characters with the correct separators.

## Selecting folders and files

You select the folders and/or files to process by dragging and dropping them from the finder onto the right part of the program's window. Using the open menu you can select files only. It is not possible to select folders this way.

### Note

The images on the next pages show the selection of the explained function on the left side of the program's window while the right side displays the files and/or folders before and after applying the changes.

### *Downloads*

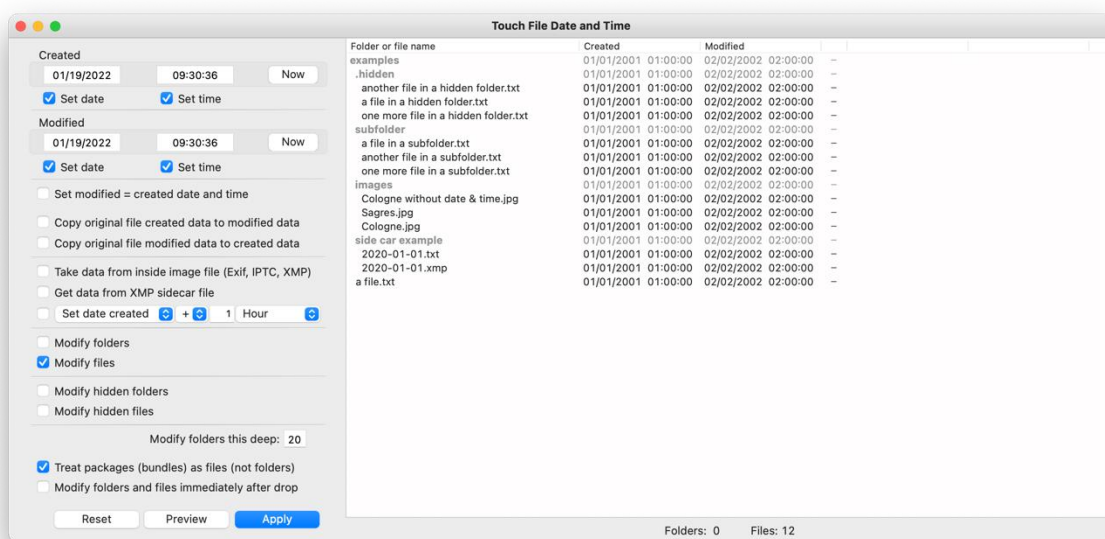
The examples of the files used in this document can be downloaded [here](#), to try and learn about the settings and their effect.

## Files and folders

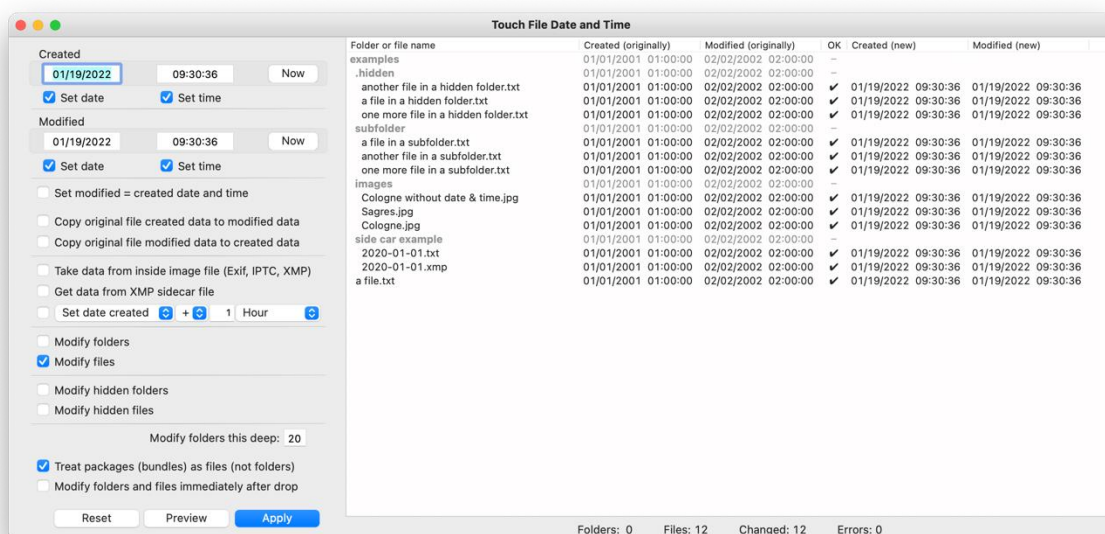
On the right part of the window the folders and files to change will be displayed with their current data. For easier distinguishing in the following presentation will be used:

- Folders will be displayed with **bold** font.
- Folders that I exclude from processing by a setting will be displayed with a **grey** font.

The result of processing folders and files will be shown in the column marked by **OK** on the very right side. A hyphen means that the corresponding file or folder will not be or was not processed.



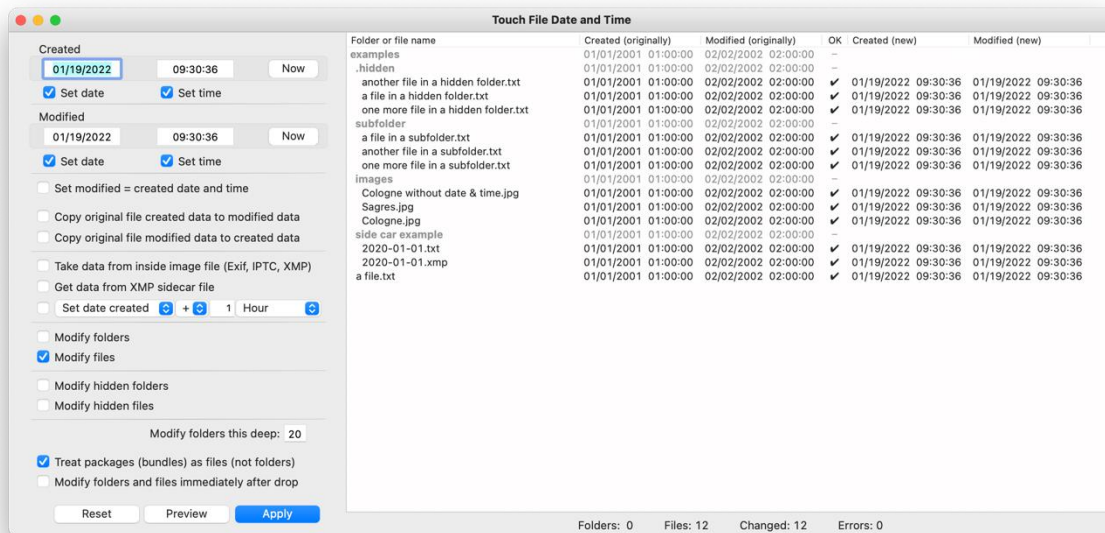
Settings ↑ and files before changing date and time ↑



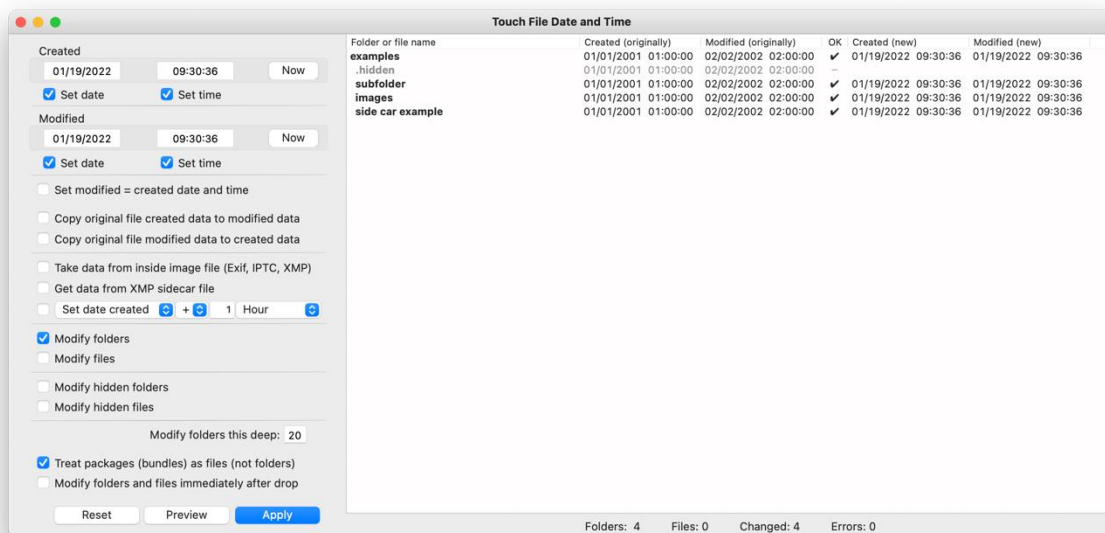
Files after changing date and time ↑

## Folders, files, hidden folders and files

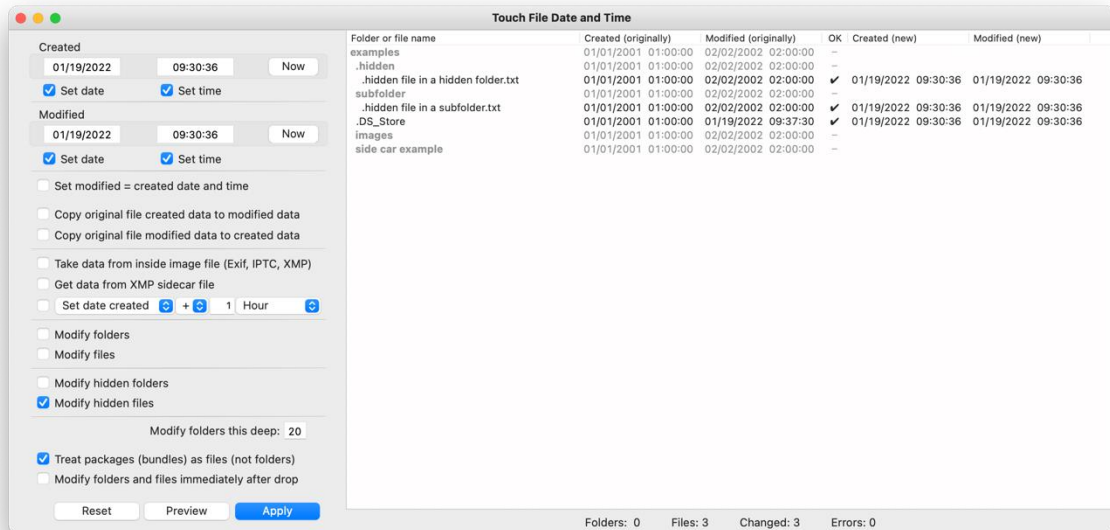
On the following images you can see the influence of the settings “Modify folders”, “Modify files”, “Modify hidden folders” and “Modify hidden files” on the folders and files to process.



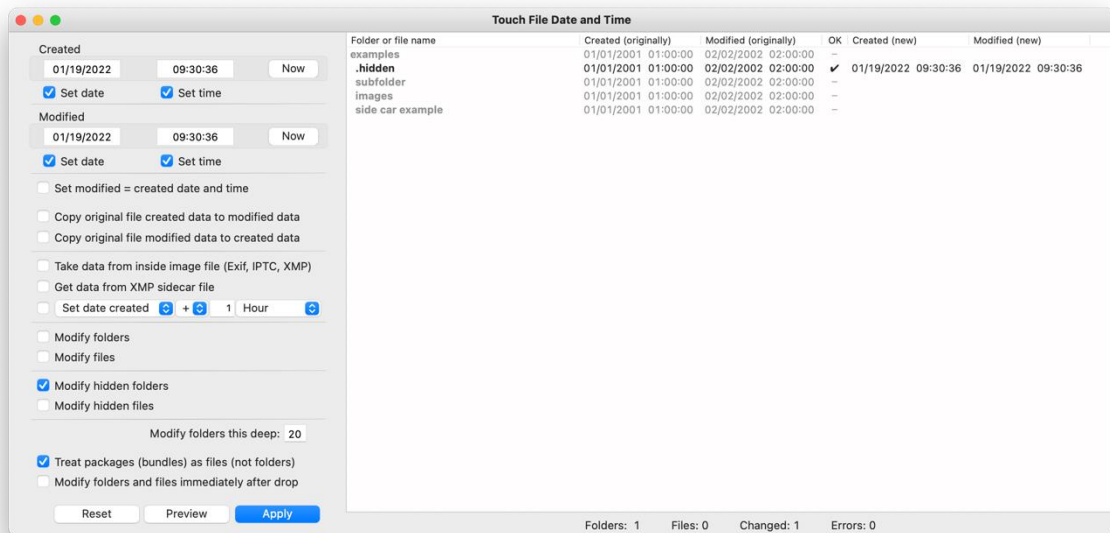
Setting **↑ Modify files only ↑** after changing date and time



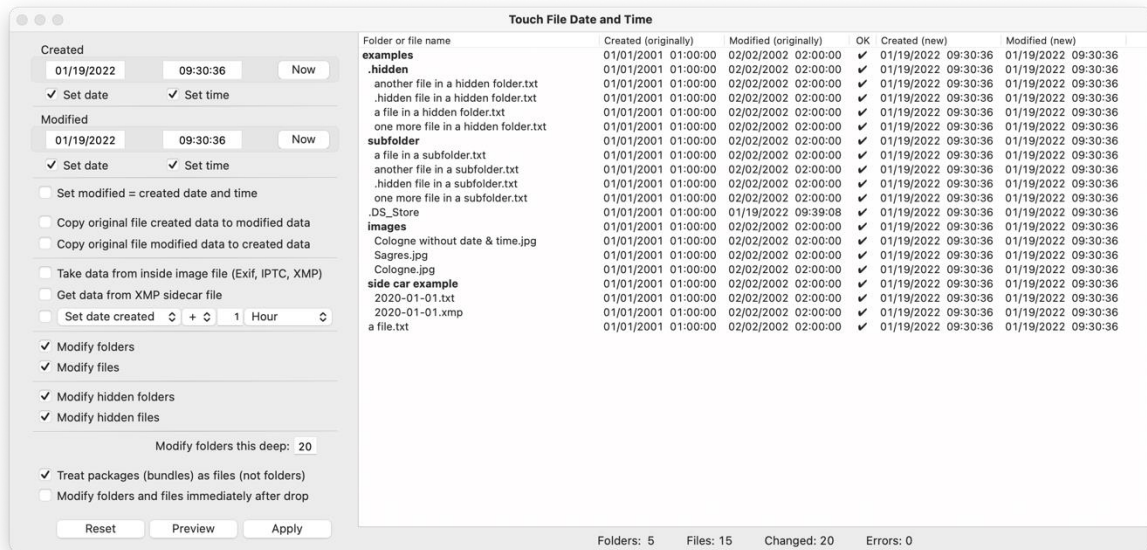
Setting **↑ Modify folders only ↑** after changing date and time



Setting ↑ **Modify hidden files only** ↑ after changing date and time



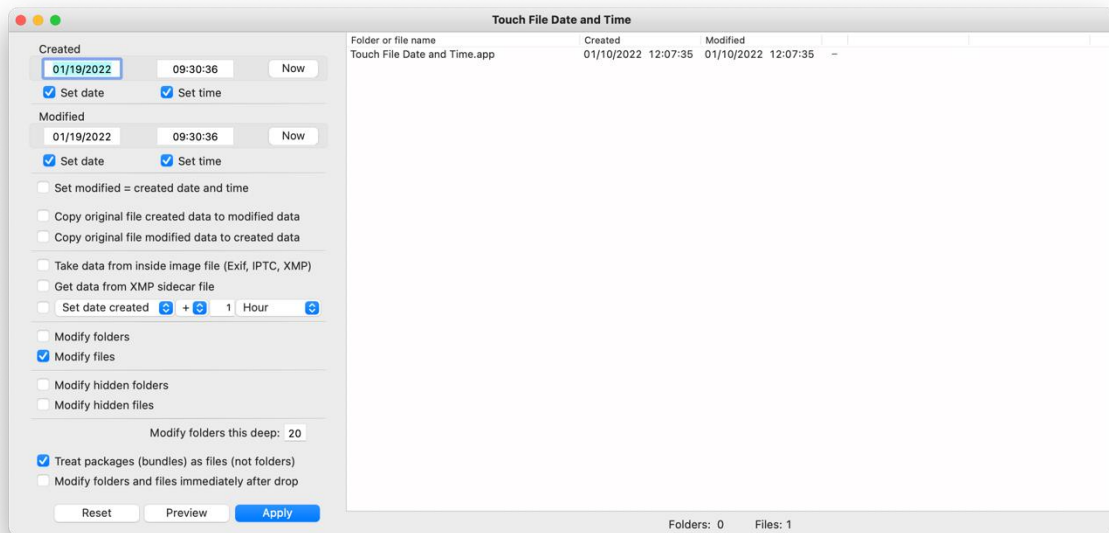
Setting ↑ **Modify hidden folders only** ↑ after changing date and time



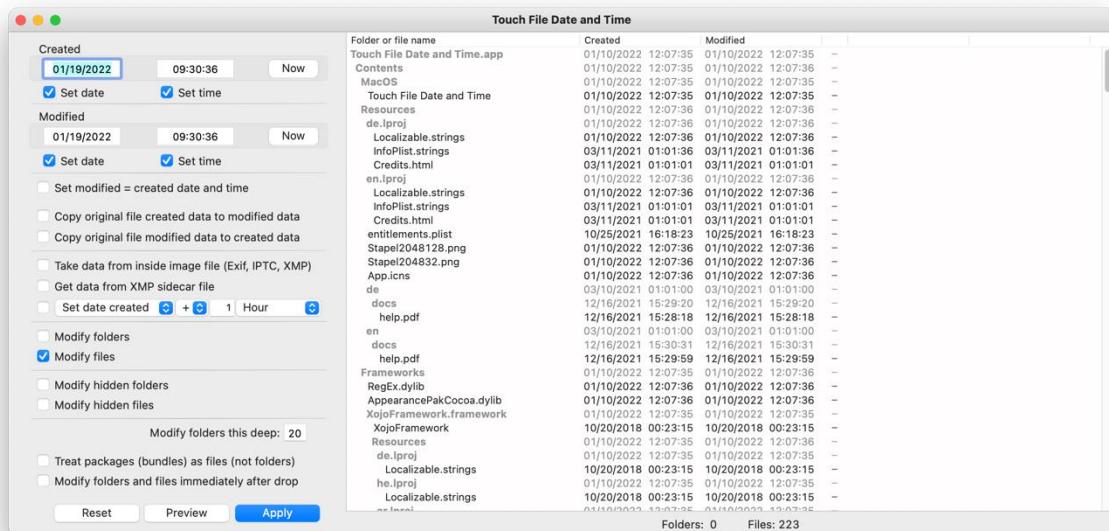
*All ↑ settings selected after changing date and time ↑*

## Treat packages (bundles) as files (not folders)

Especially with MacOS files can be bundled as packages or bundles. With this setting it is possible to treat these packages like a single file or a folder. In the latter case the date and time of all files and folders inside the package may be modified.



Setting ↑ Treat packages like files ↑

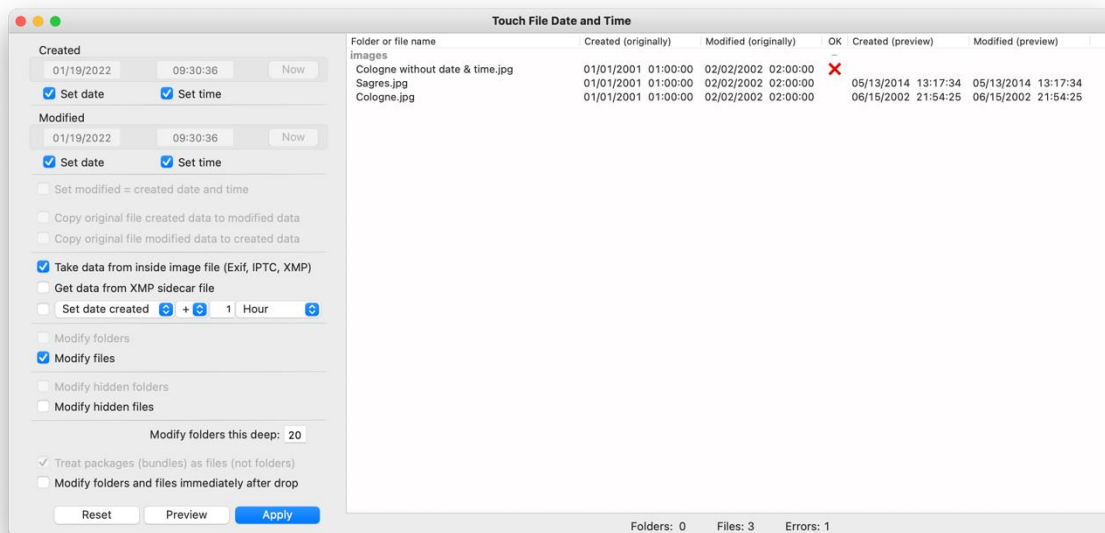


Setting ↑ Treat packages like folders ↑

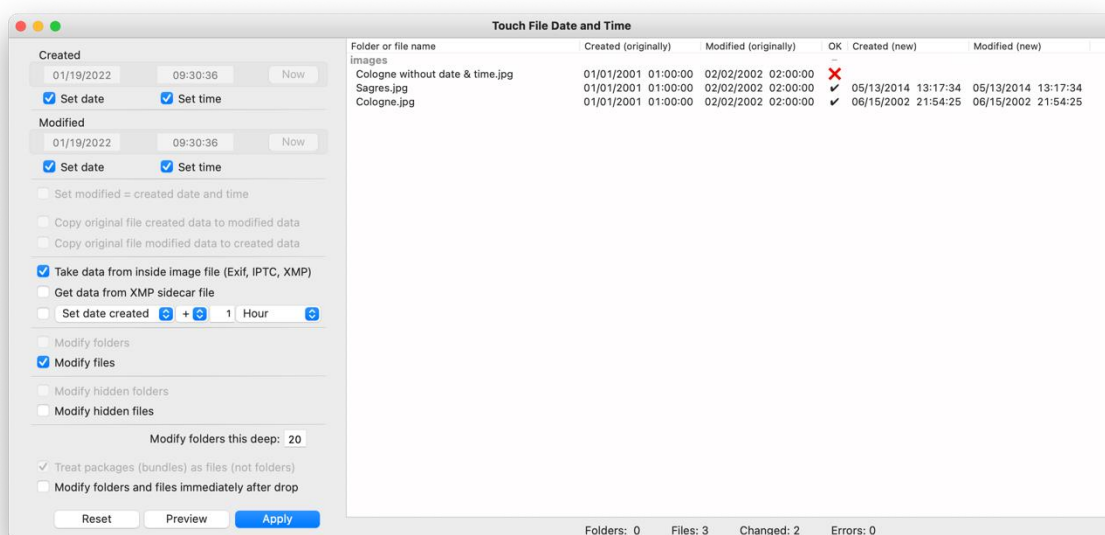


## Take data from inside image file (Exif, IPTC, XMP)

This setting takes care that the data will be taken from the image's or photo's data. Because the corresponding image file is scanned completely to find these data, the program's run time may be extended. If the image file does not contain these data, the file will be marked as erroneous in the very right column of the list. Some image files contain a date of 01/01/1970, 0:00. This value means that the corresponding data are unknown.



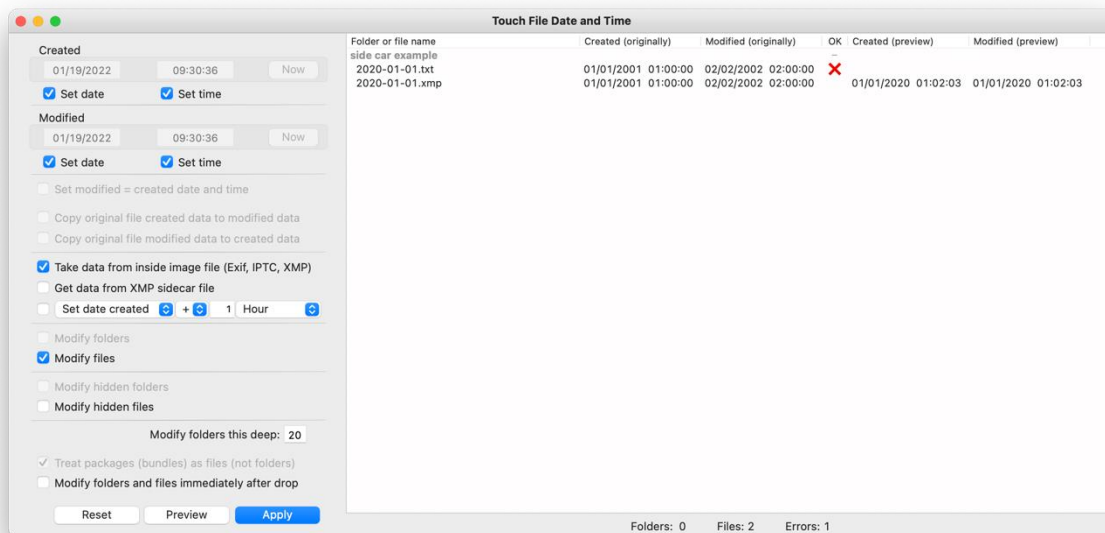
Settings ↑ and files before taking over the Exif data ↑



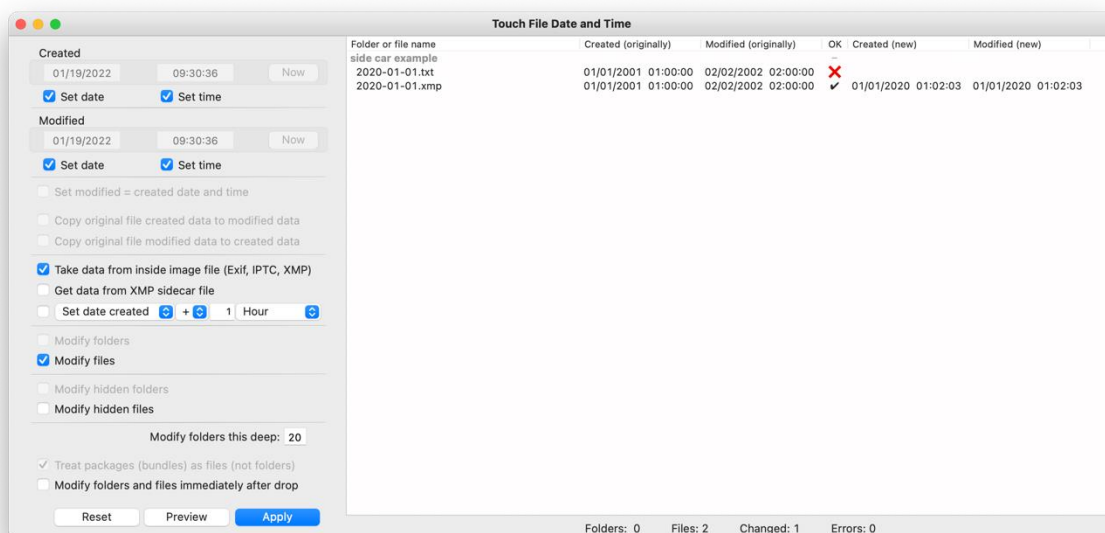
Files after taking over the Exif data ↑

## Get data from XMP sidecar file

Using this setting the data will be read from a sidecar file that accompanies the file to process, if such a file is available. Such a sidecar file has the same name as the file to modify, except that its file type ends on “.xmp”. If there is no sidecar file available or if it does not contain usable data, the file will be marked as erroneous in the very right column of the list. If the date is the 01/01/1970, 0:00, the corresponding data are unknown.



Setting ↑ & files before taking over the data from the XMP sidecar file ↑



Files after taking over the data from the XMP sidecar file ↑

## Get data from file name

This feature allows it to take date and time from the file name. This, i.e., is very useful, when the names of image files were formatted accordingly by a camera.

The file names may be formatted this way:

- `YYYY[ -_./]MM[ -_./]DD hh[ -_./:]mm[ -_./:]ss`  
`YYYY[ -_./]MM[ -_./]DD hhmmss`  
`YYYYMMSS hhmmss`

The values in brackets define the possible separator characters.

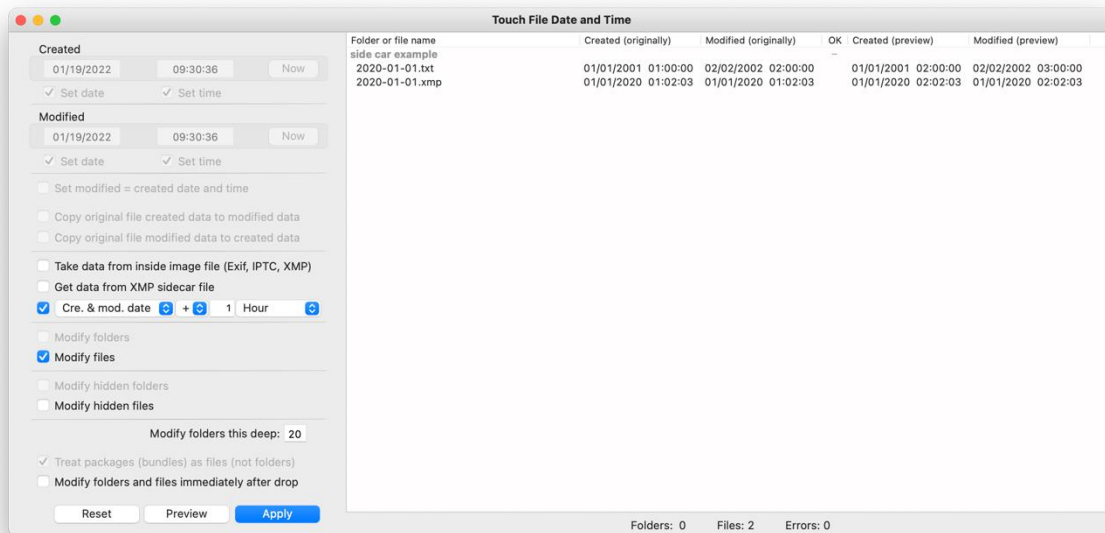
- `YYYY` = Year (4 digits)
- `MM` = Month (2 digits)
- `DD` = Day (2 digits)
- `hh` = Hour (2 digits)
- `mm` = Minute (2 digits)
- `ss` = Second (2 digits)

These are examples for possible file names:

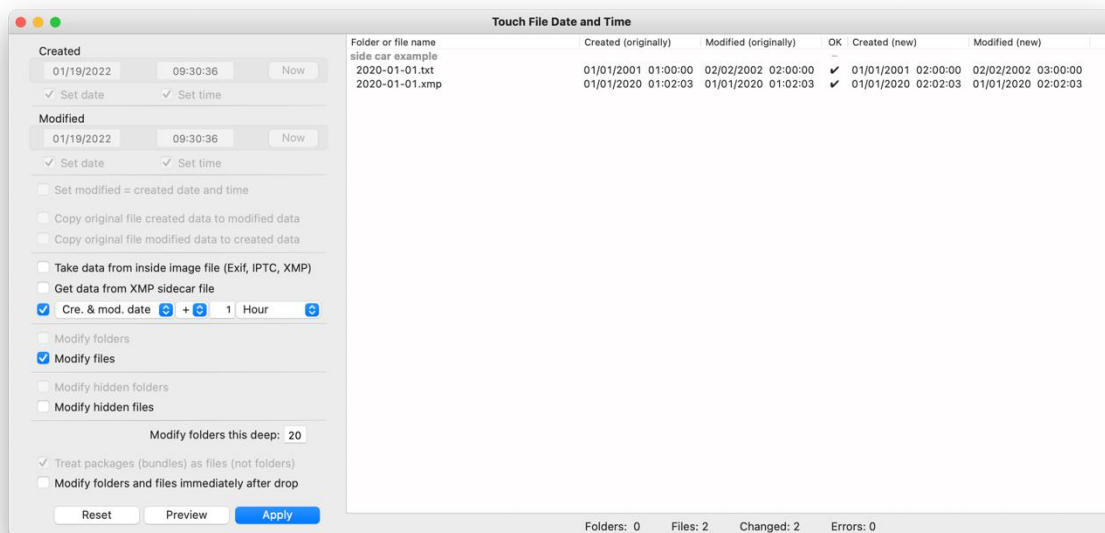
- `2022-02-28 12-30-00`
- `2022-02-28 12:30:00`
- `2022/02/28 12:30:00`
- `20220228 123000`

## Modify date and/or time relative

Sometimes it can be useful to modify the date and/or time of files relative. I.e., this could be the case if there exist photos with a recording date that is shifted by some hours, because they were taken in a different time zone.



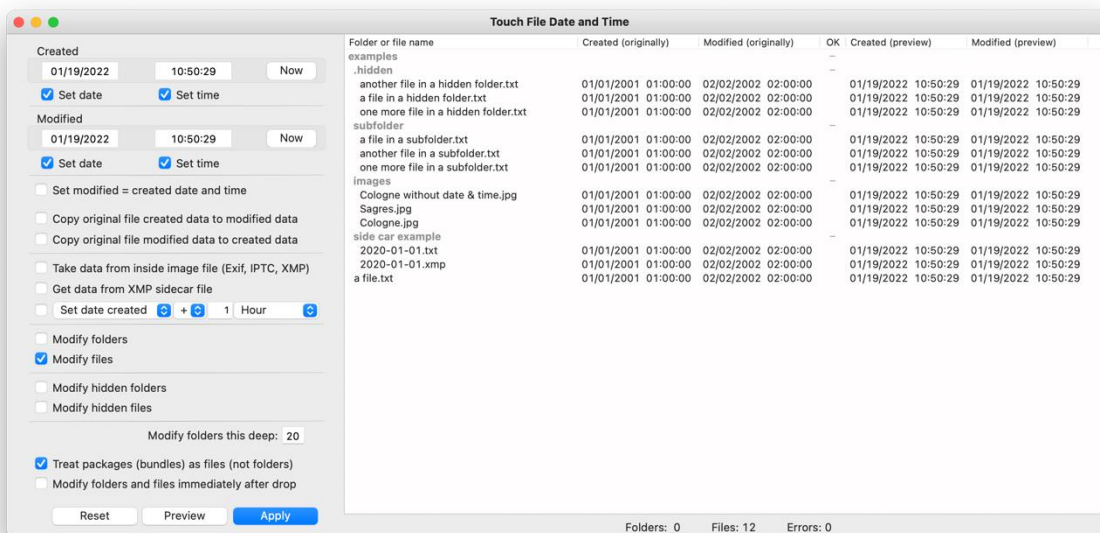
Settings ↑ and files before adjusting the time by +1 hour ↑



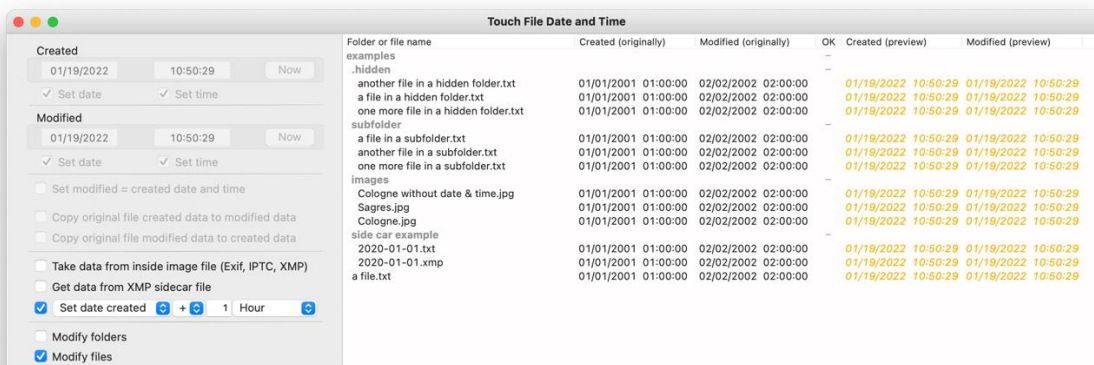
Files after adjusting the time by +1 hour ↑

## Preview

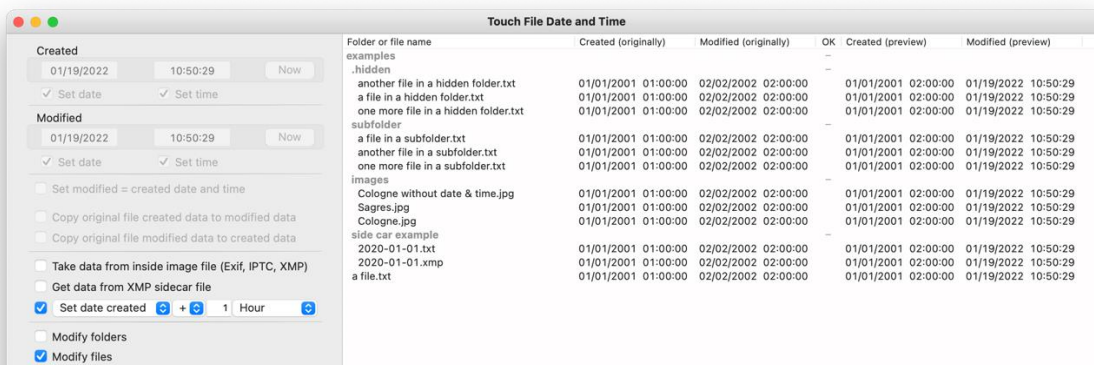
When a preview of the possible result is displayed and settings that can change the result have been changed, the preview will be displayed with orange color.



Preview display without changing a setting ↑



Preview display after changing setting to **Set date created...** ↑



Preview display after clicking on **Preview** button ↑

## Hints

1. If you want to process a big number of files, it may be useful to adjust the settings before dragging the files onto the list, because the program needs to rebuild the list in some cases when settings were changed and this may take some time.
2. The program can process a big number of files in one pass. But you eventually must have some patience because processing may take a while. This is especially true when reading data from image files.
3. Dates before 1970 and after 2040/05/02 cannot be applied because of a restriction of macOS.