## Get Started with darktable

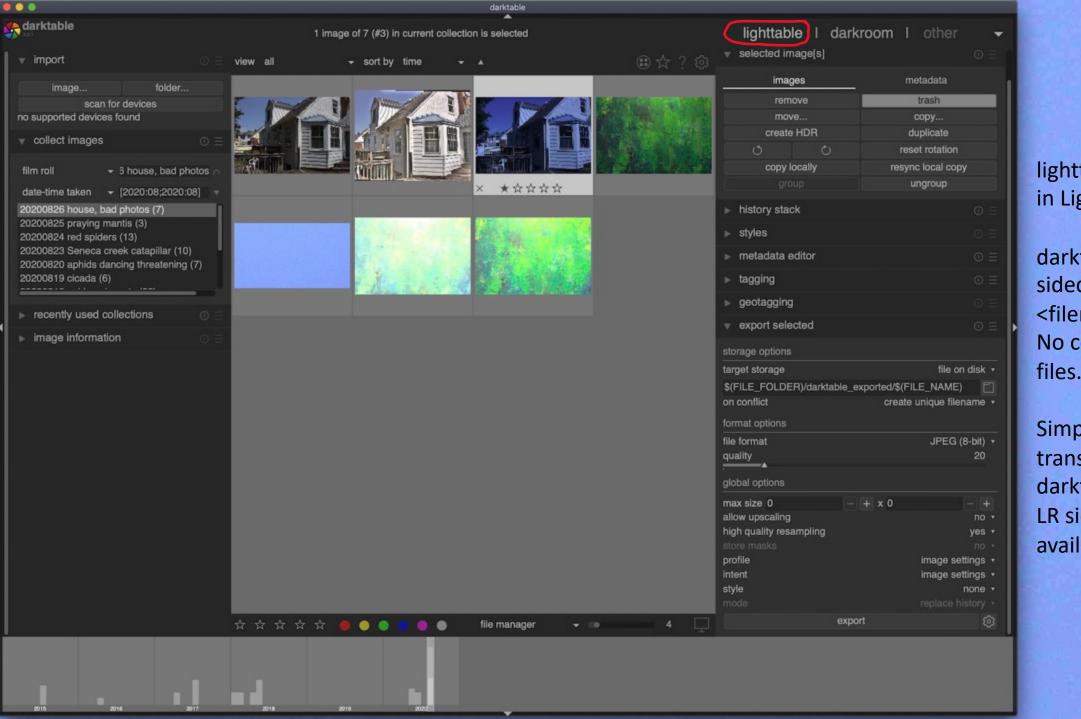


darktable is a powerful, free open software alternative to Light Room

Tanya Riseman, 2020

## Getting Started with darktable

- Basic layout
- Modules in darktable that are equivalent to Light Room
- Some advanced modules and options in darktable but not in Light Room



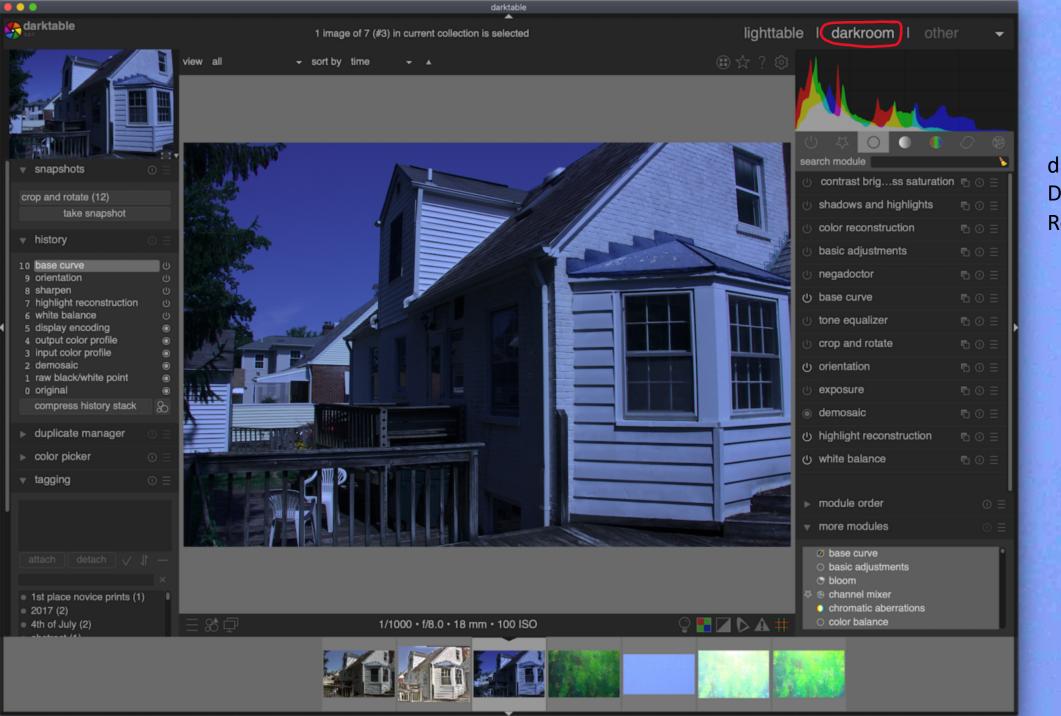


lighttable is like Library in Light Room.

darktable will make sidecar <filename>.<raw>.xmp. No conflict with LR files.

Simple LR edits are transferred to darktable if LR sidecar file is available.

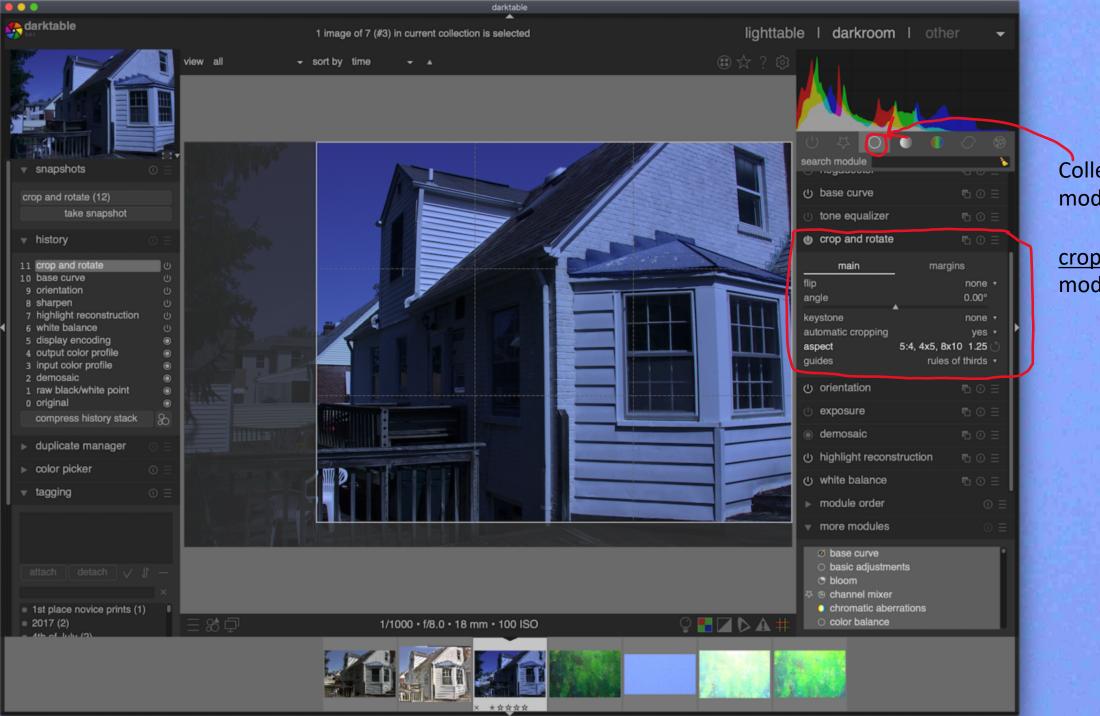
feature	Light Room	darktable
Image/file management	Library	lighttable
file and directory management	yes	no (use Image Capture)
ratings/keywords/hierarchical keywords/filters	yes	yes
collections	yes	no

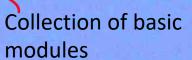




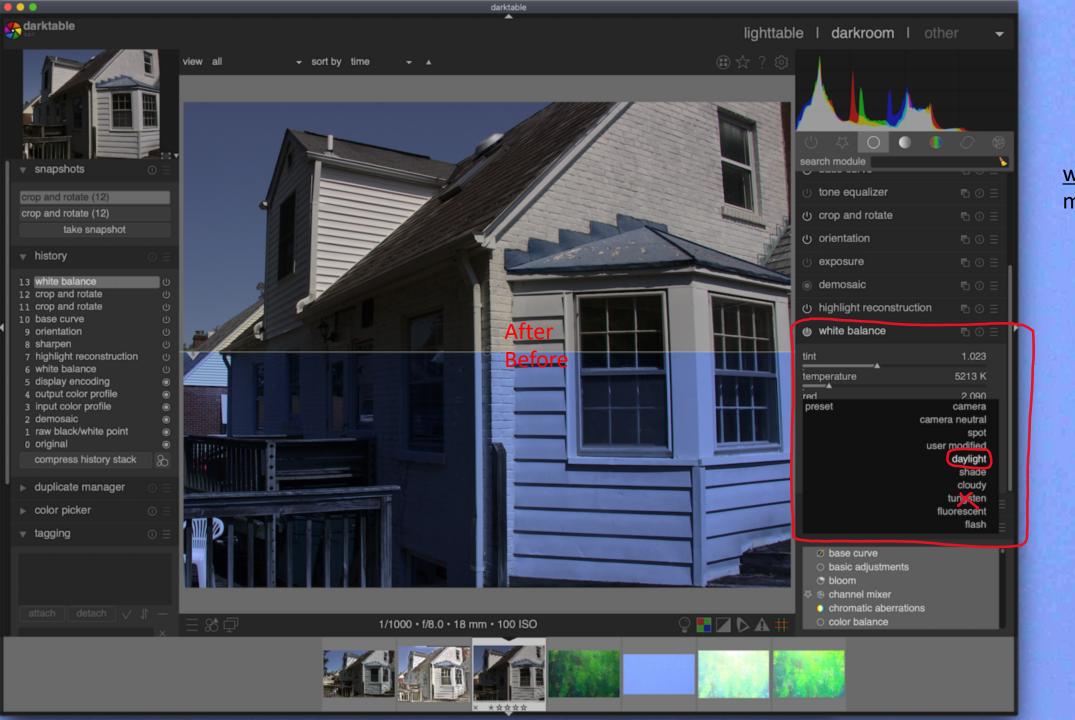
darkroom is like Develop in Light Room.

feature	Light Room	darktable
Editing images	Develop	darkroom
non-destructive editing	yes	yes
quickie filters and special effects (like on cell phones)	no	no
global changes (exposure, highlights/shadows, color, etc.)	yes	yes
brush/shapes/etc. masks for local changes	yes	yes (more choices)
adjustment brush with auto mask in LR and camera raw	yes (awesome)	sort of
advanced selection of algorithms	no	yes (lots of choices)
layers	no	no



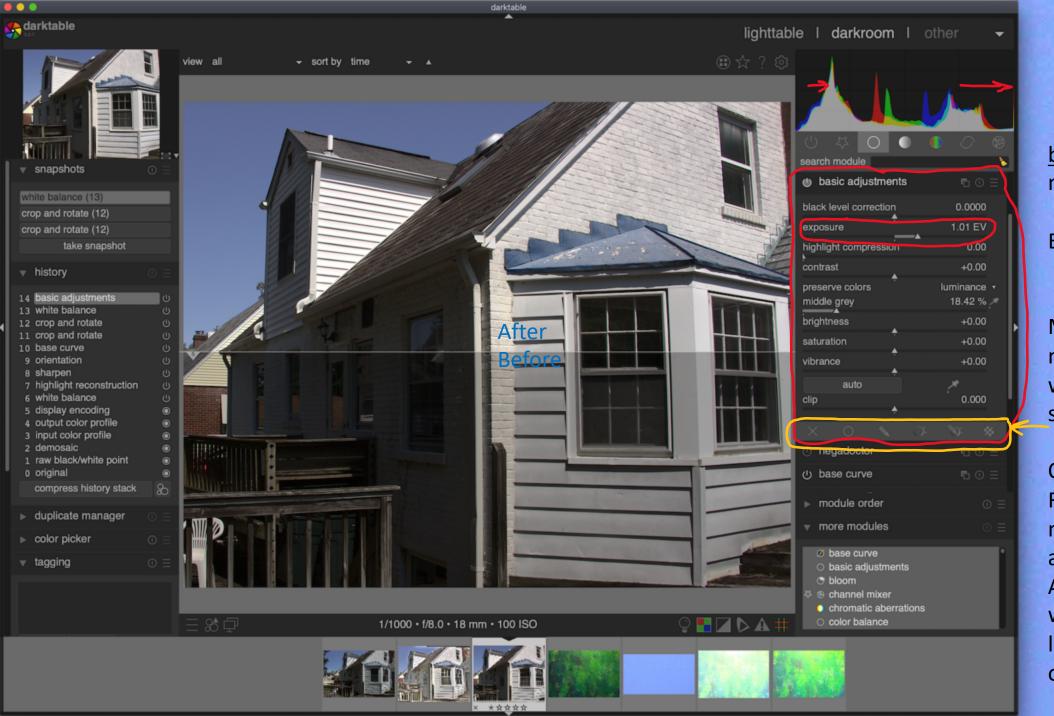


crop and rotate module





white balance module



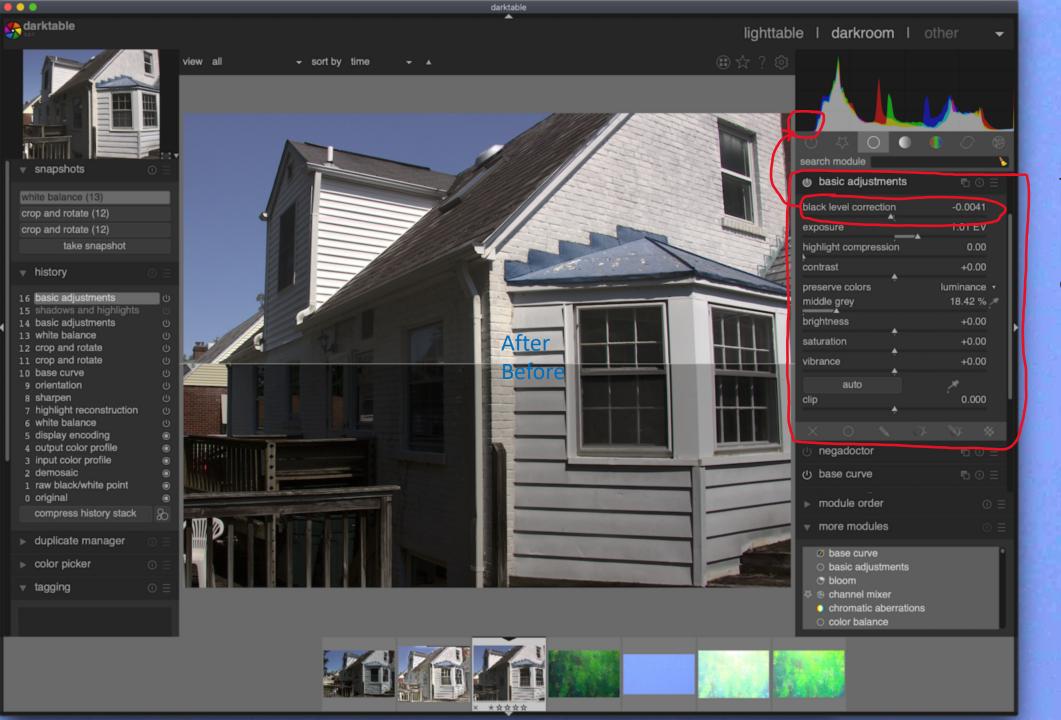


<u>basic adjustments</u> module

Exposure

Masks available in most modules, when they make sense.

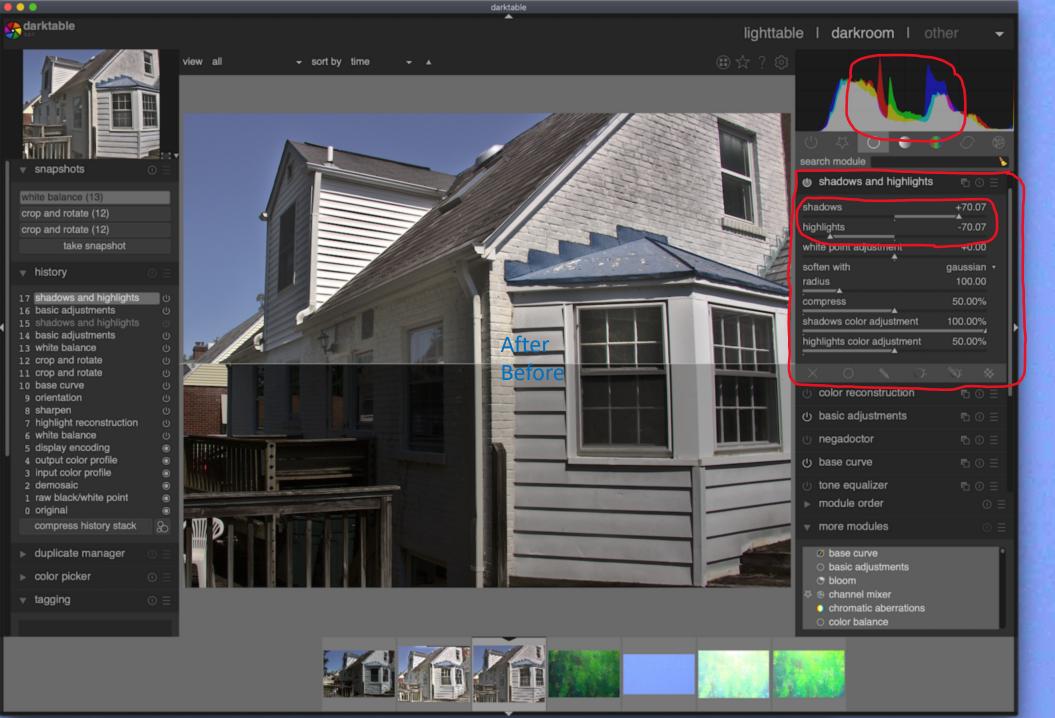
Opposite to Light
Room's approach of
masks only
available in
Adjustment Brush,
which pragmatically
limits the number
of sliders possible.





### basic adjustments module

black level correction

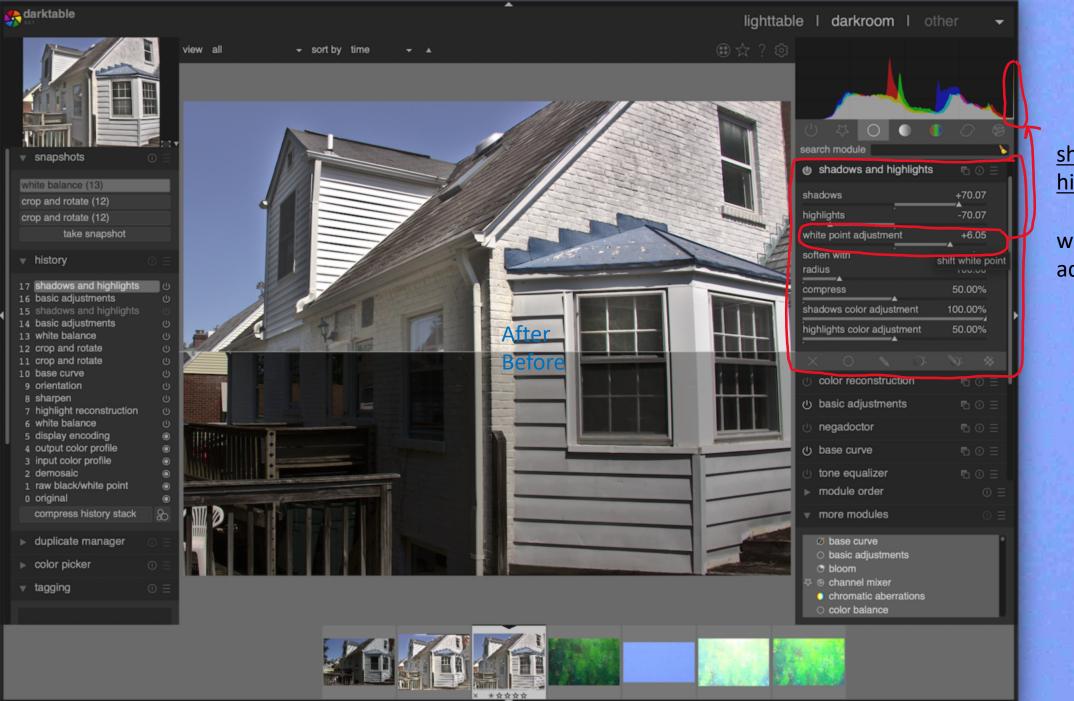




shadows and highlights module

shadows

highlights



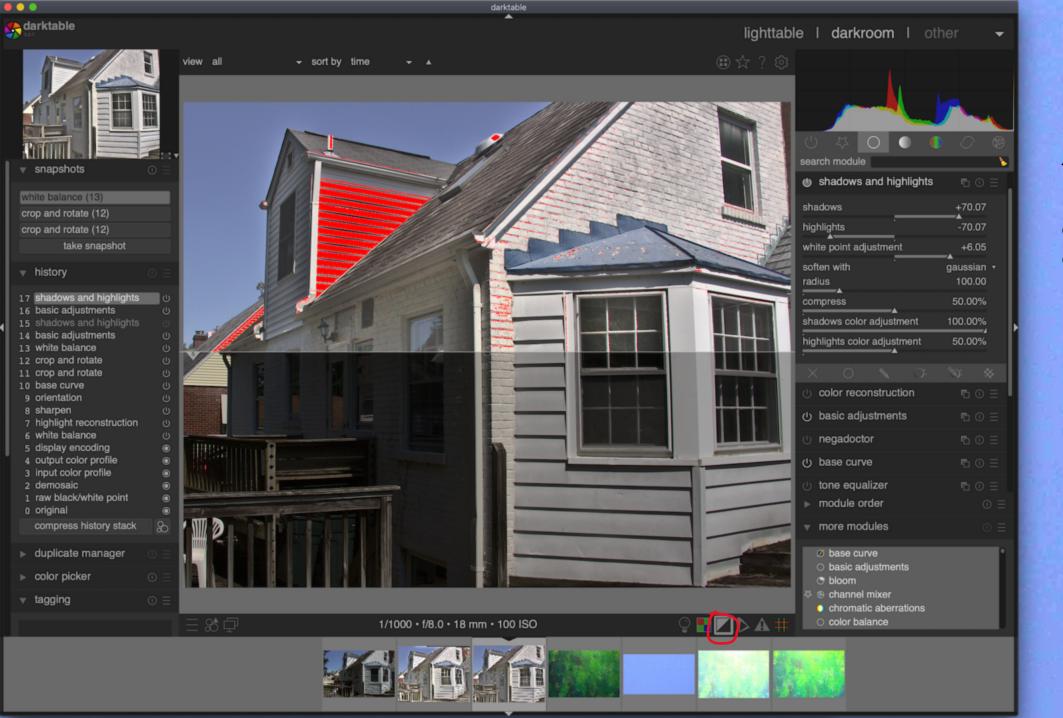
darktable

• • •



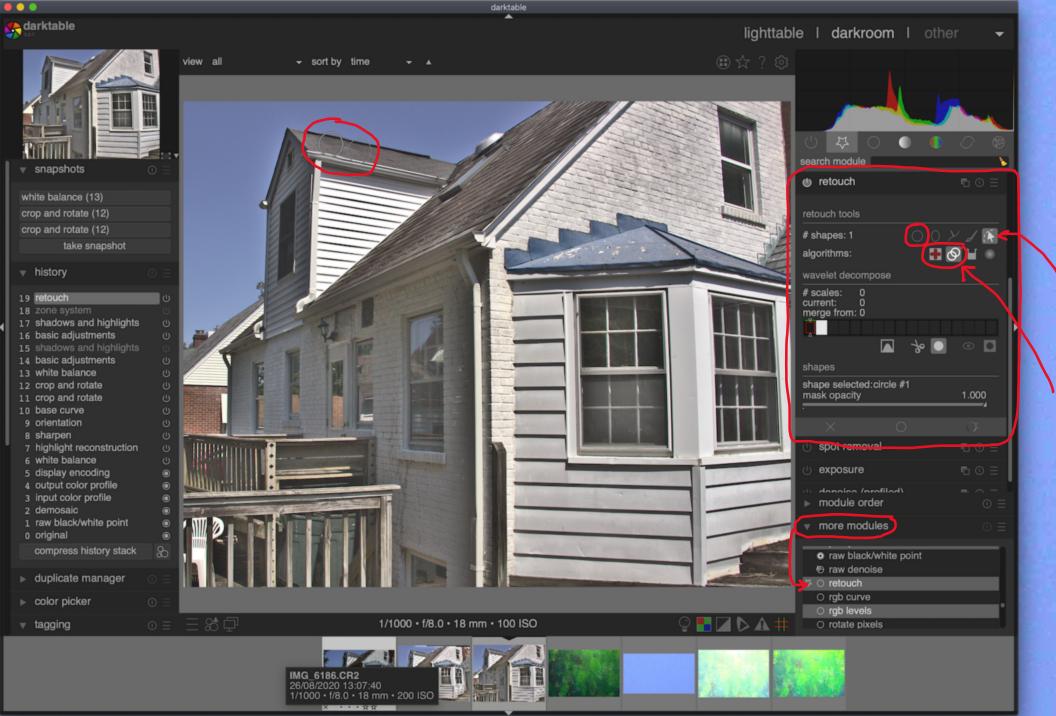
shadows and highlights module

white point adjustment





Toggle under (blue) and over (red) exposure

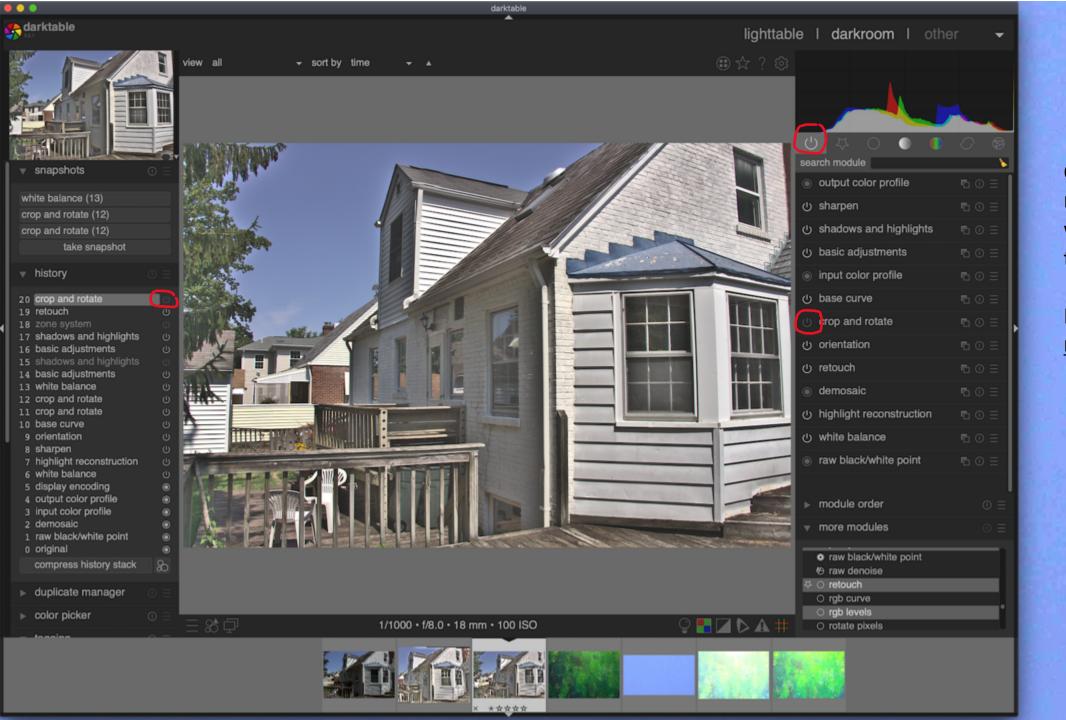




retouch module is like spot removal in Light Room.

Choice of shapes or brush, with feathering.

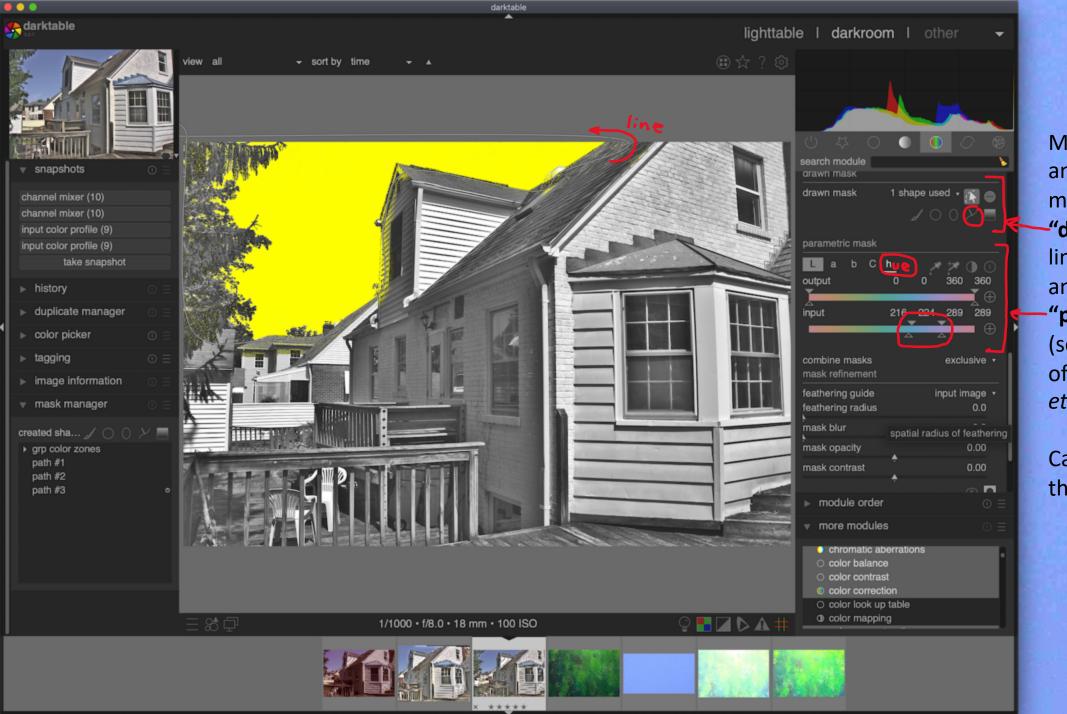
Heal or clone.





Can turn off any module(s) to see what difference they make.

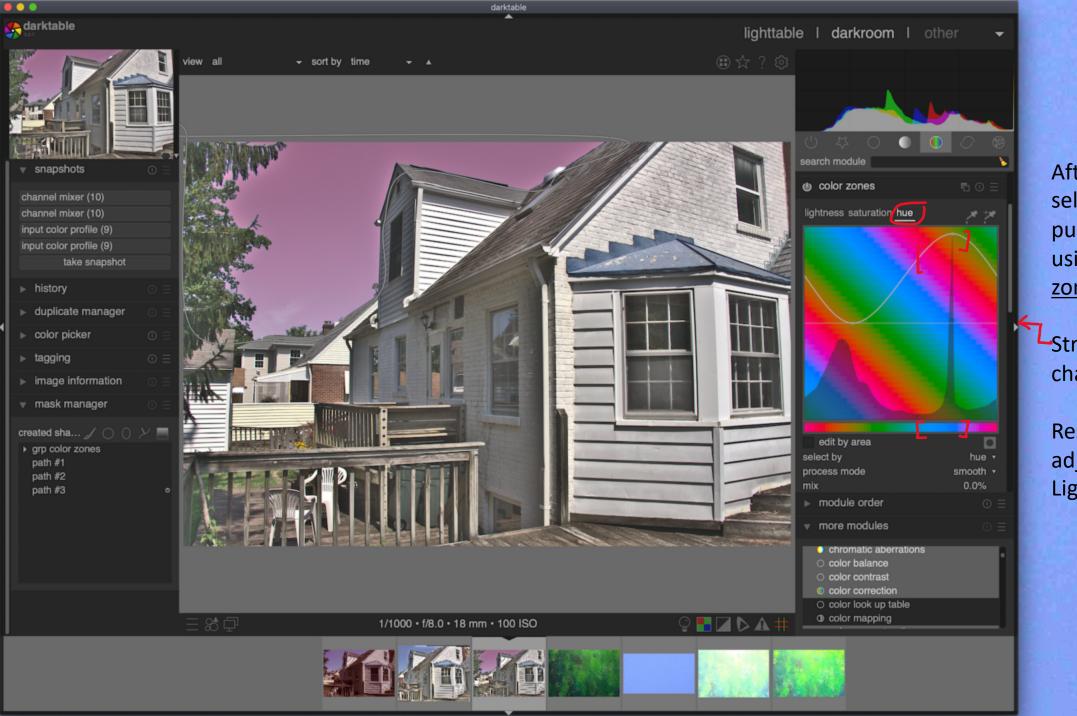
Here, <u>crop and</u> <u>rotate</u> is turned off.





Module color zones
and many other
modules contain
-"drawn mask" (white line)
and
-"parametric mask"
(select limited range of hue or luminance, etc.)

Can be used both at the same time.

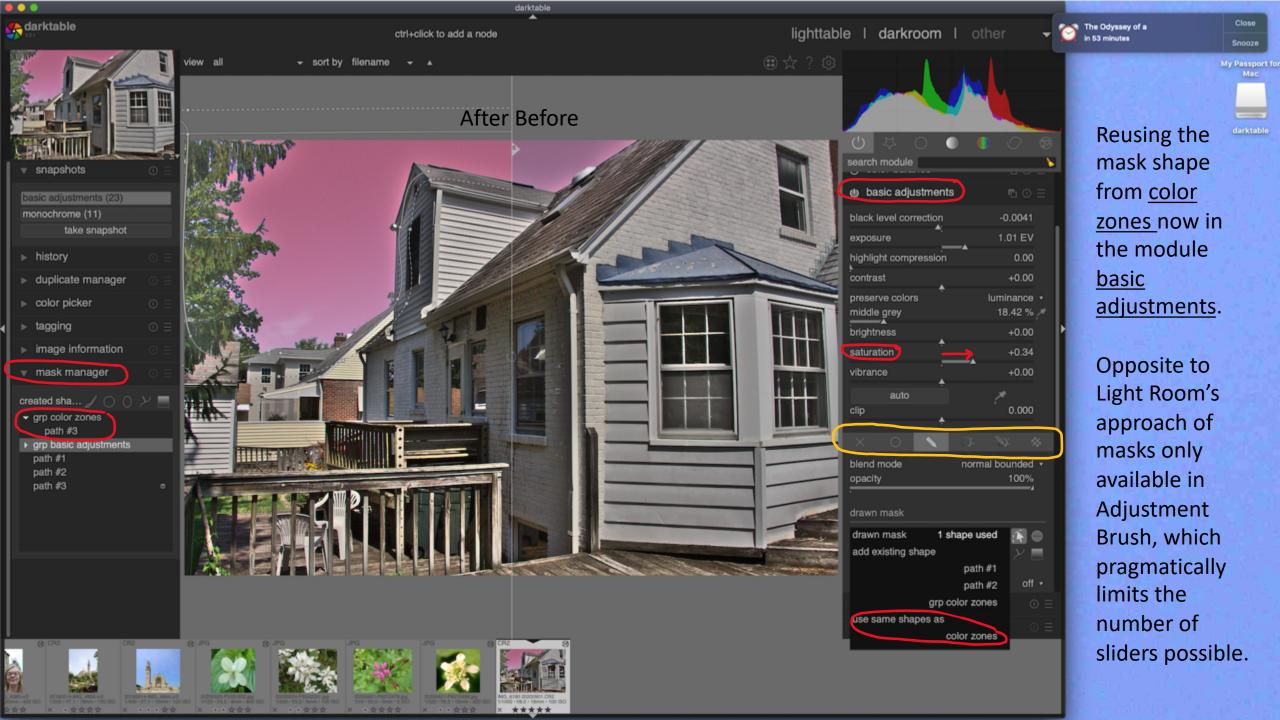


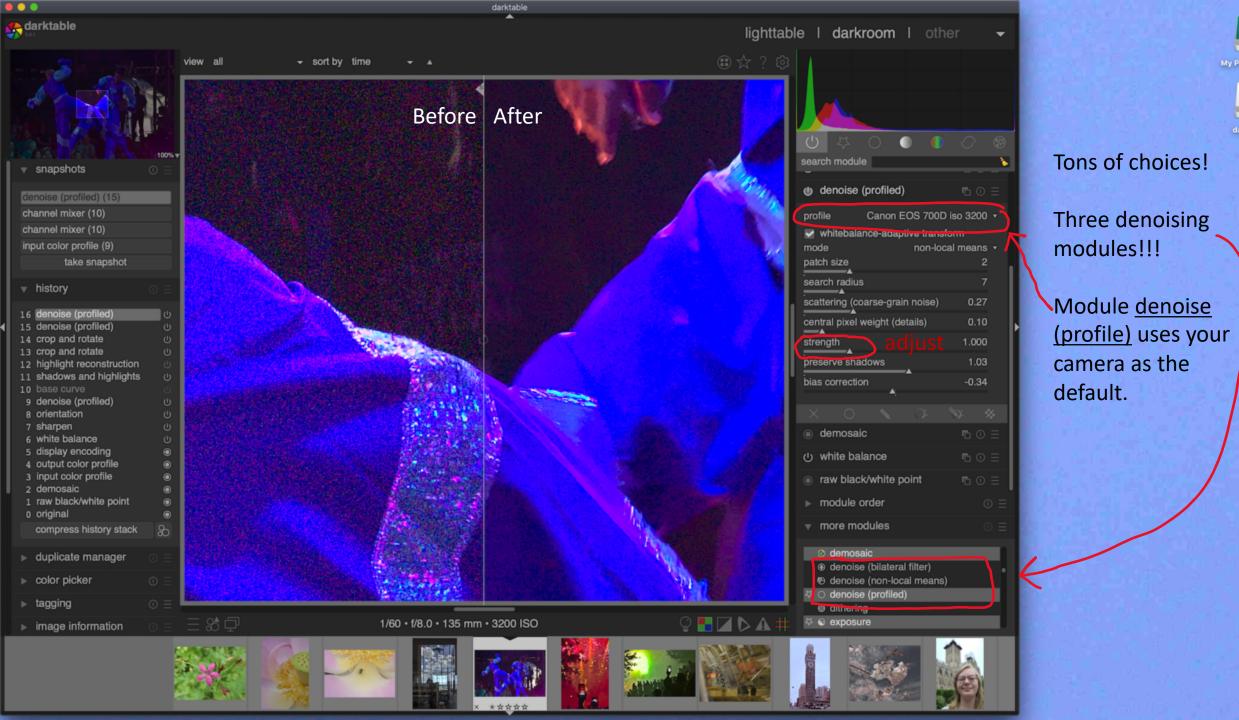


After masking, select new color purple for the sky using module <u>color zones</u>.

Straight line is no change.

Result like adjustment brush in Light Room.

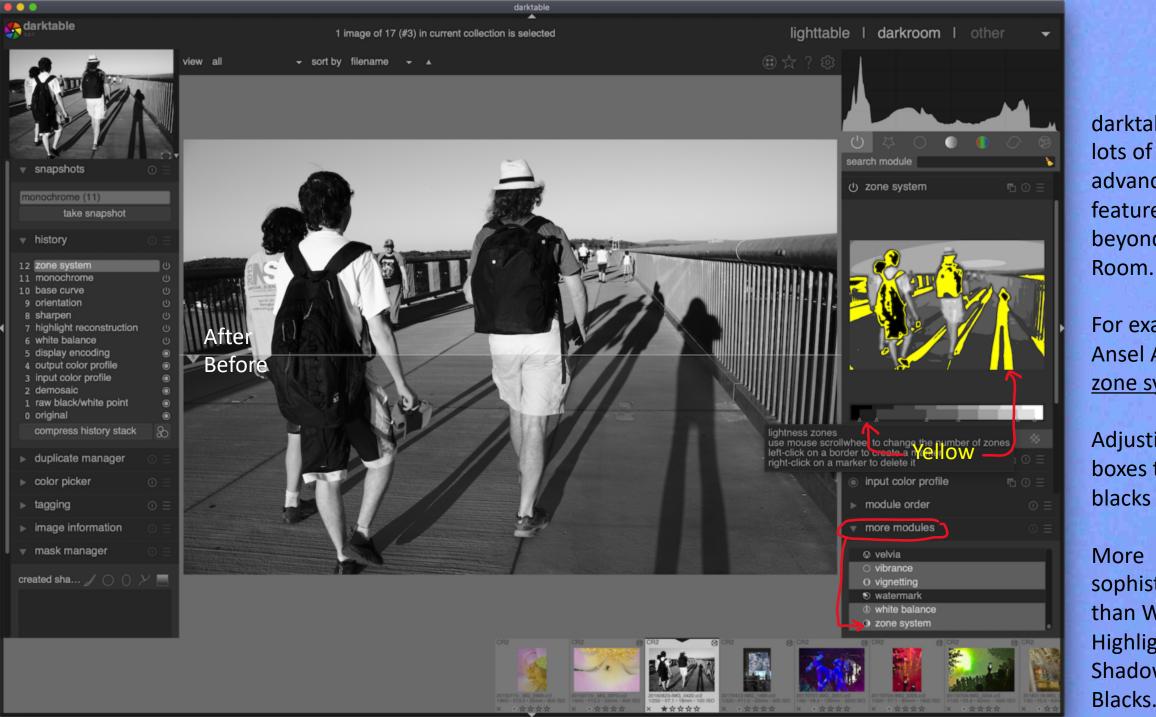




#### Summary of popular Light Room-like edits in darktable

- crop and rotate
- white balance
- basic adjustments for exposure and black level
- <u>shadows and highlights</u> for shadows, highlights, and white point.
- <u>retouch</u> using circle/brush for Spot Removal
- Combined use of drawn and parametric masks for LR's Adjustment Brush with auto mask.
- <u>denoise (profile)</u> for Noise Reduction

Next: Some things you can do in darktable but not in Light Room

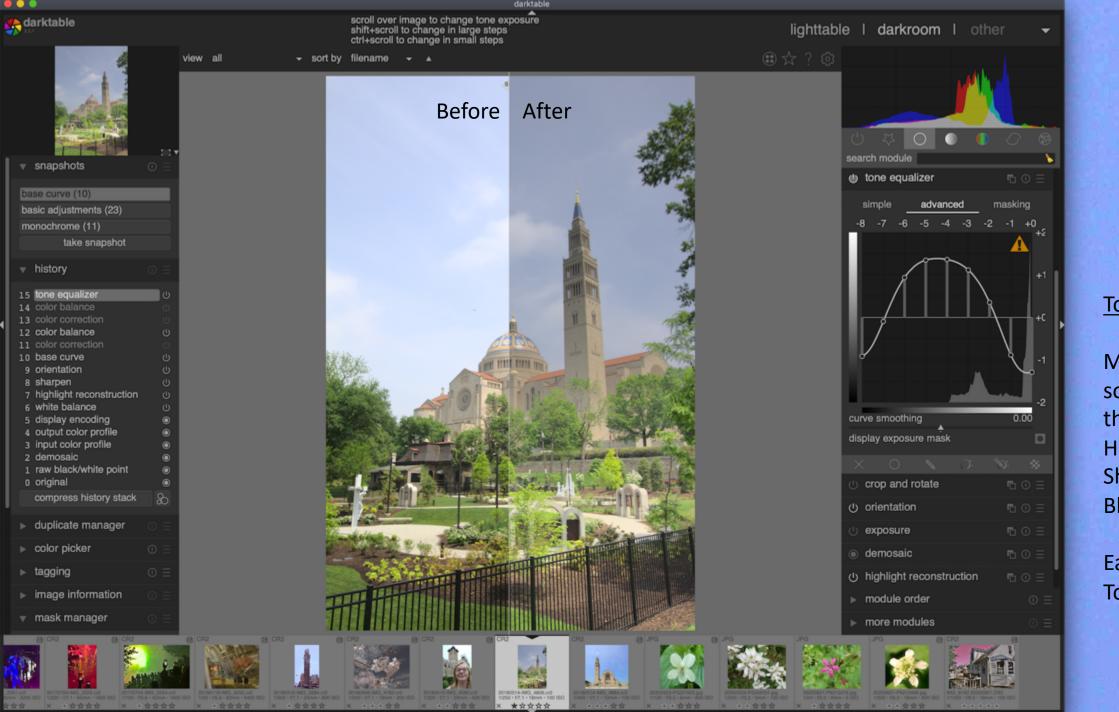




For example, Ansel Adam's zone system.

Adjusting grey boxes to make blacks "inky."

More sophisticated than Whites, Highlights, Shadows, Blacks.



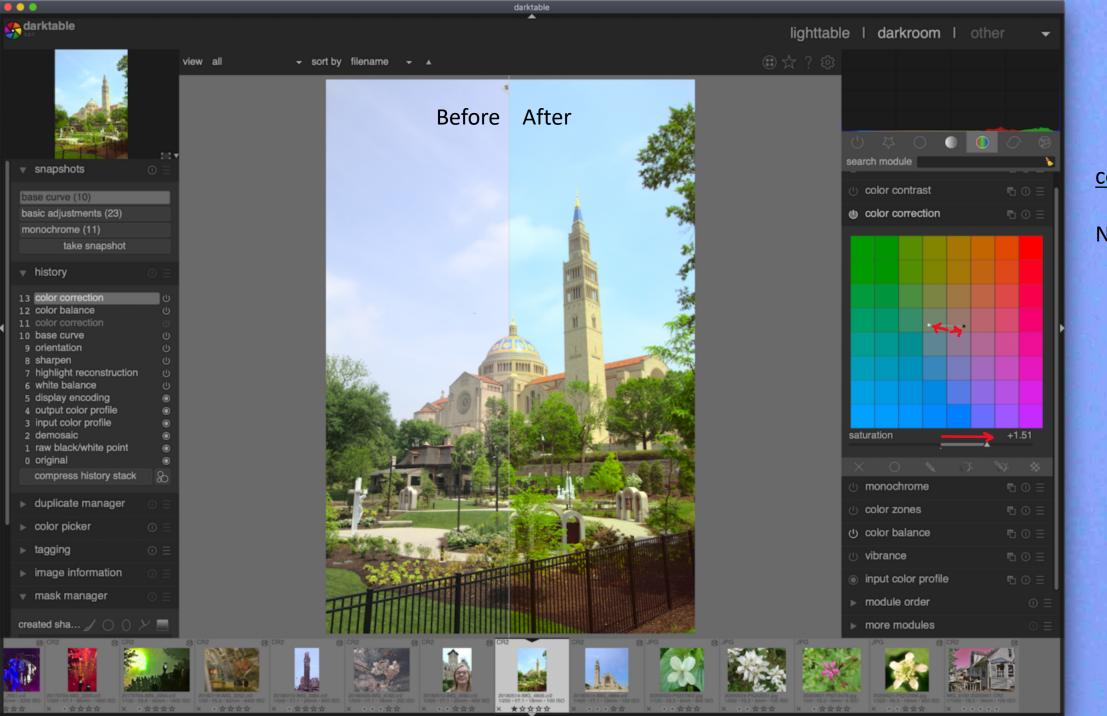




#### Tone equalizer

More sophisticated than Whites, Highlights, Shadows, Blacks

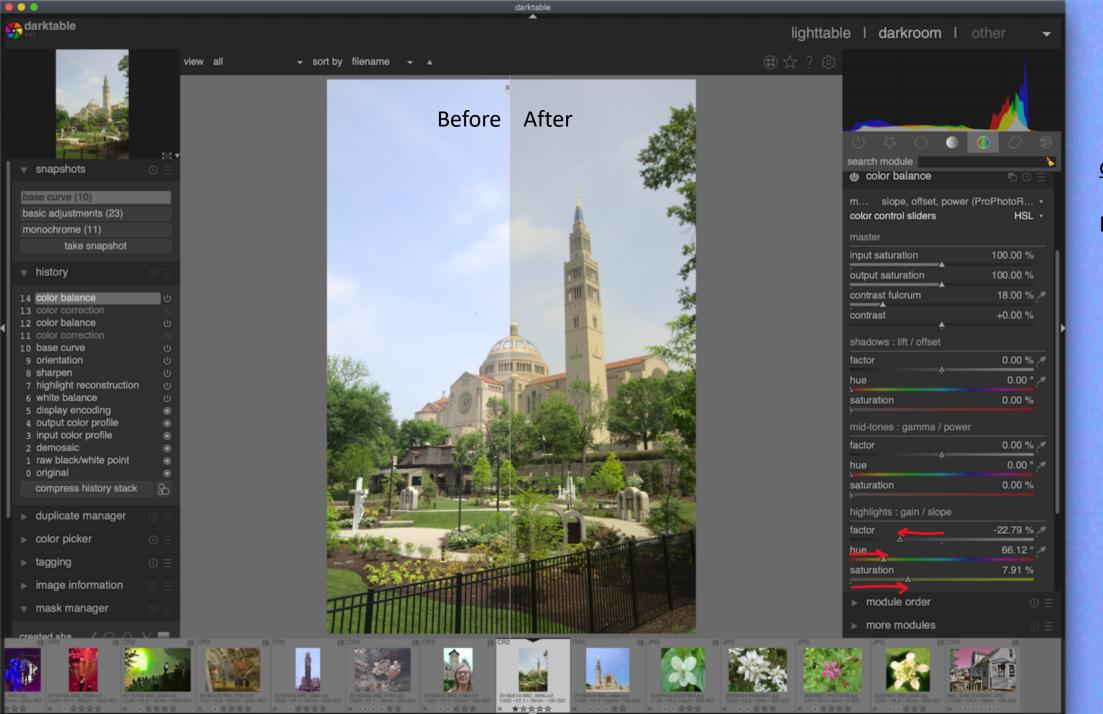
Easier than
Tone Curve





#### color correction

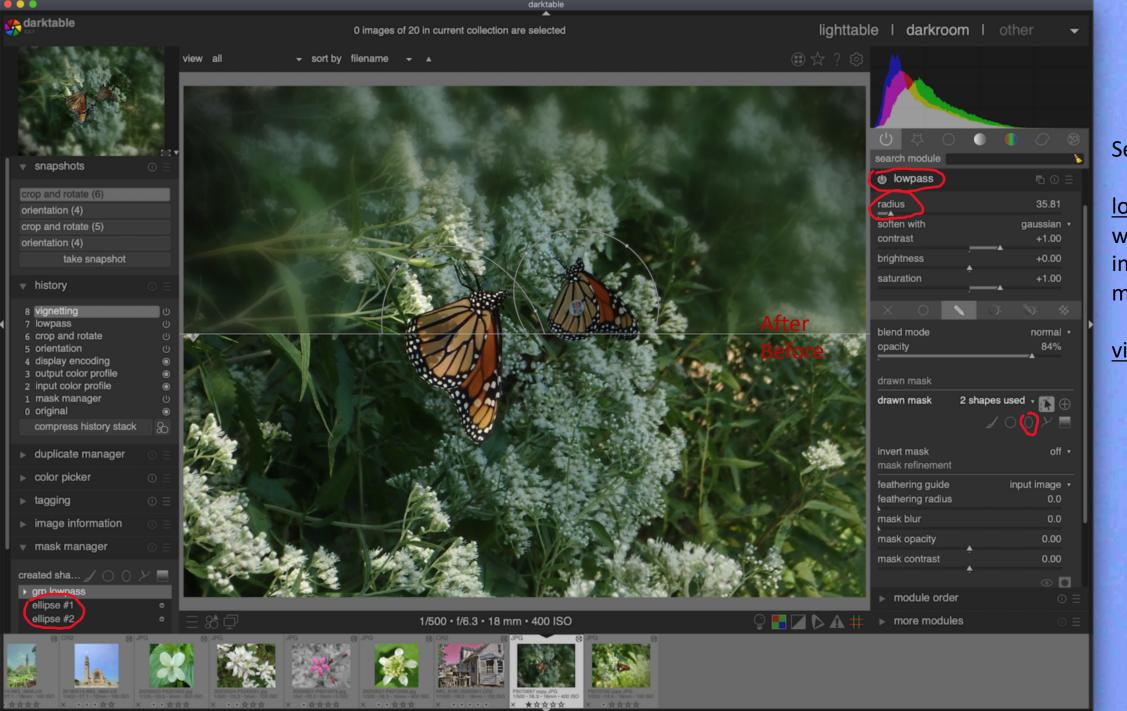
No clue.





#### color balance

No clue.





Selective focus

lowpass filter with two inverted oval masks

vignetting

feature	Light Room	darktable
Overall		
memory leak, need to restart for some users	yes	no
learning curve	steep	steeper
organization of features	good	middling due to many options
speed and screen refresh	good	slower
bugs	none except leak	some
after cancellation, access to images/export/printing but no editing	no longer	Open source/free so no restriction

# darktable Version 3.2 A Free Alternative to Light Room

Thank you! tanya.riseman@gmail.com

Manual for version 3.0 <a href="https://darktable.gitlab.io/doc/en/">https://darktable.gitlab.io/doc/en/</a>

Videos by Rico Richardson <a href="https://www.youtube.com/c/RicosStory/videos">https://www.youtube.com/c/RicosStory/videos</a>

Videos by Bruce Williams Photography <a href="https://www.youtube.com/user/audio2u/videos">https://www.youtube.com/user/audio2u/videos</a>

https://mathiashueber.com/migrate-from-lightroom-to-open-source-alternative/ https://mathiashueber.com/darktable-settings-for-lightroom-user/

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At present, darktable is able to deal with the following metadata of Lightroom generated sidecar files during the import phase:

- tags and hierarchical tags
- color labels
- ratings
- GPS information

At present, darktable is able to deal with the following development steps from Lightroom-generated XMP files (with the corresponding darktable module in parentheses):

- crop and rotate (crop and rotate)
- black level (exposure)
- exposure(exposure)
- vignette(vignette)
- clarity (local contrast)
- tone curve (tone curve)
- HSL (color zones)
- split-toning(split-toning)
- grain(grain)
- spot removal (spot removal)

It's just meant to help you recover part of the work you have invested into your image in case you migrate to darktable. It is very important to understand that this import process will never give identical results.