Úprava fotografií v Darktable, od plánování až k velkoformátovému tisku

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Jak velký formát je velký?

250 dpi: (počet pixelů) / 10 200 dpi: (počet pixelů) / 8
8000 px × 6400 px ⇒ 1000 mm × 800 mm při 200 dpi



Panorama: iPhone XS Max, šířka 150 cm při 250 dpi





Úvod

Fotím, protože neumím kreslit

iPad ani grafický tablet pro mě nemá smysl

Potřebuju nástroj, který bude pracovat podle mých povelů

Chci trávit čas focením, ne u počítače:

- Snímky musím dobře nafotit
- Editační nástroj musí být snadno použitelný
- Nemusí být OpenSource, ale musí fungovat v Linuxu
- Nesmí vyžadovat předplatné

Objektiv 200–500 mm, f = 210 mm, ISO 100, clona 8, čas 1/500 s


Vše začíná plánováním: objektivy, stativ, dálková spoušť, filtry, dron (pokud se tam smí létat)
Použity filtry ND64 a Graduated Reverse 3-stop, expoziční čas 969 s, stativ Manfrotto

Fotografie je kresba světlem

fotografie = φωτογραφία

φως = světlo; γραφικός = psací, obrazový, výtvarný, malebný



Produktový stůl s opálovou deskou, studiový záblesk Fomei TX 600 TTL, 2 ks Fomei RGB LED Bar 25 W, stativy

Proč Darktable?

Instruktážní videa na YouTube (Bruce Williams, $>$ 160 dílů)

Existuje pro Linux (také Mac a Windows)

Nedestruktivní úpravy

Úpravy jsou v XML (sidecar file, _dsc1234.nef.xmp)

Při havárii počítače/aplikace se poškodí jen jeden sidecar file

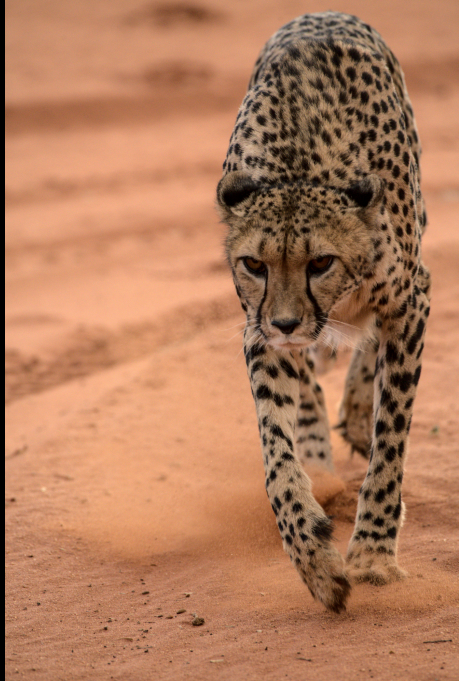
Soubory přenositelné mezi platformami, ale do stejné verze Darktable

K úpravě se lze vrátit a změnit ji, případně zrušit

Je možno udělat víc verzí, kopíruje se jen sidecar file

Tethering (fotografování přímo do počítače), pokud to kamera umí

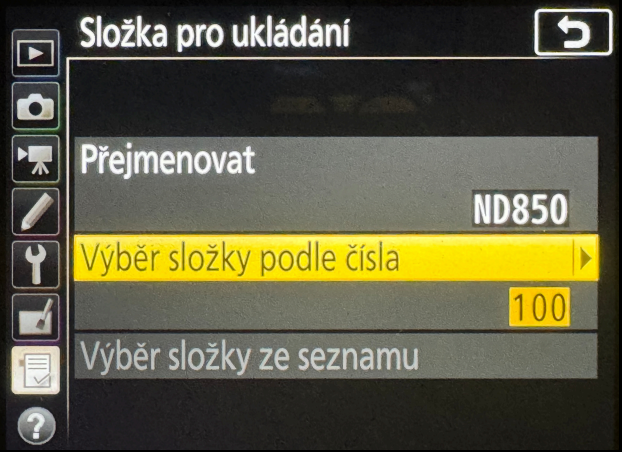
Bonus: Přidali funkci, kterou jsem požadoval



Třídění fotografií

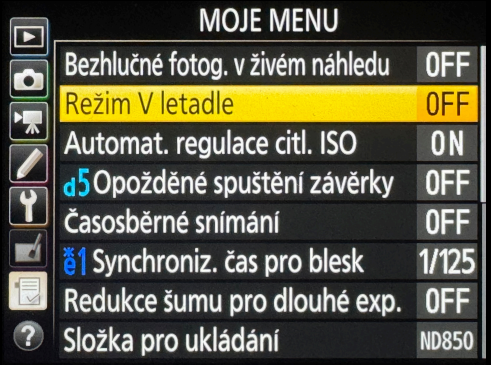
Většinou děláme více podobných fotografií, vybíráme při postprodukci

nová lokace / nová modelka / nové téma ⇒ nová složka



Párování s mobilní aplikací

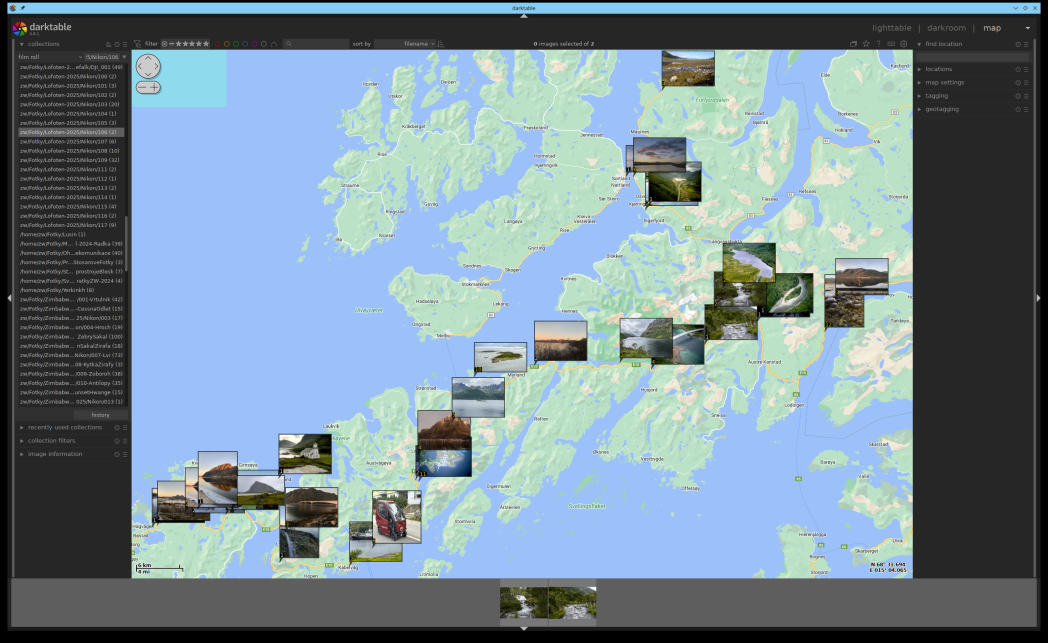
Synchronizace času včetně časového pásma
Zápis GPS do EXIF

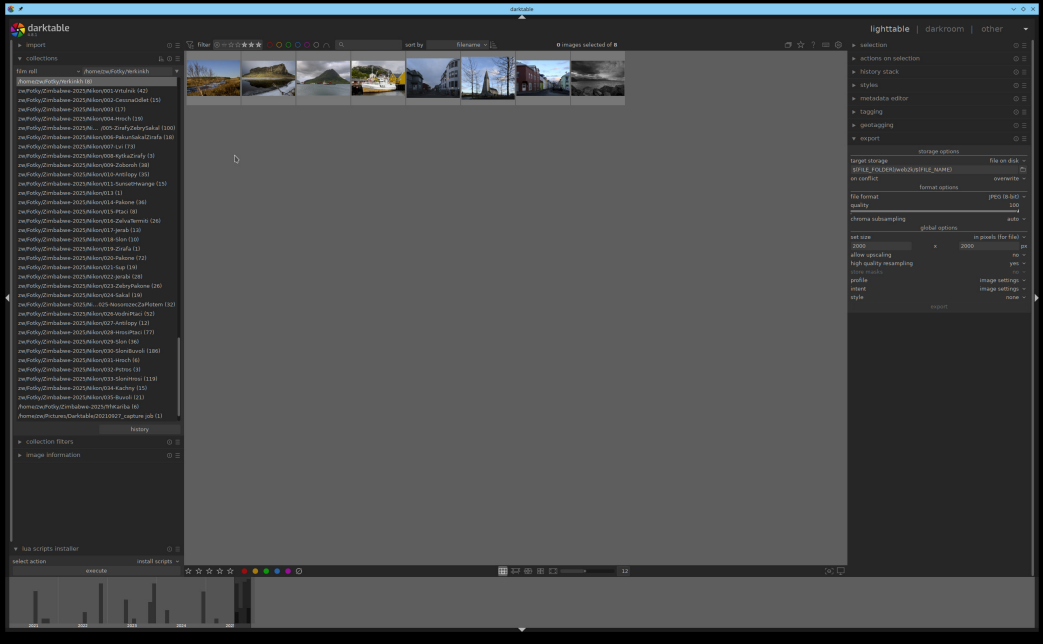




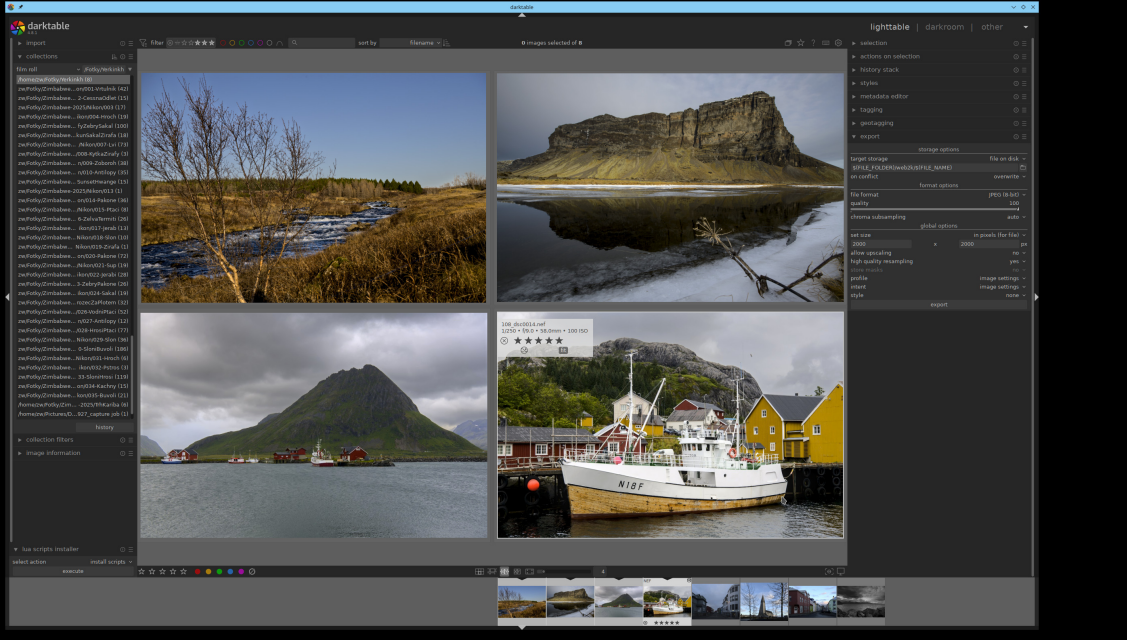


SnapBridge pro Nikon

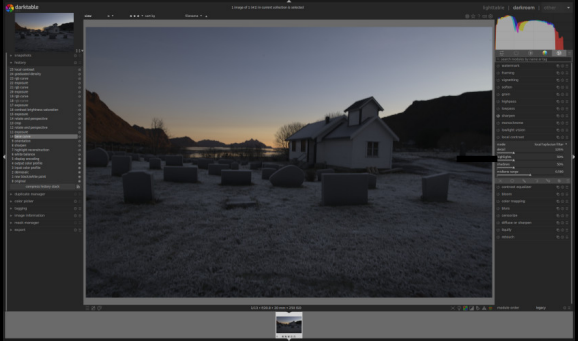

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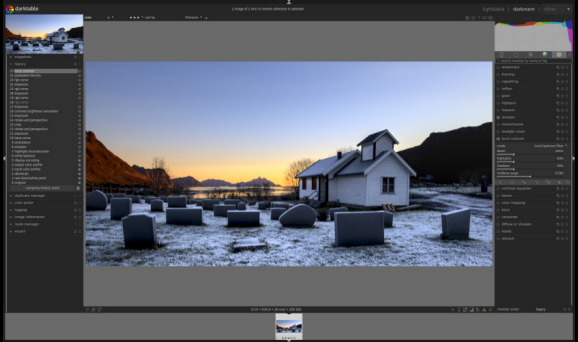

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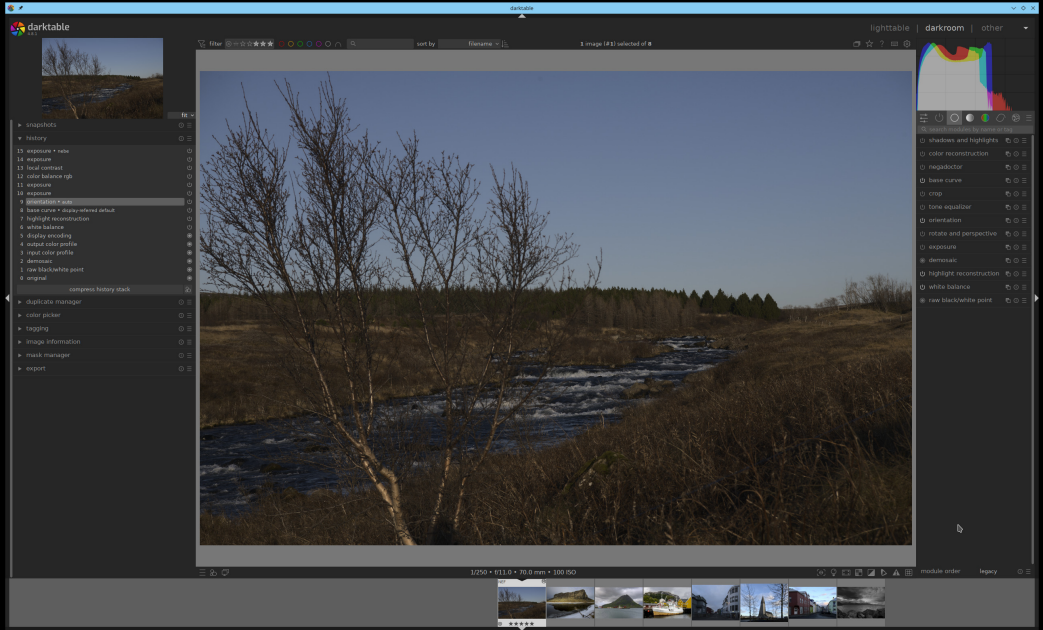

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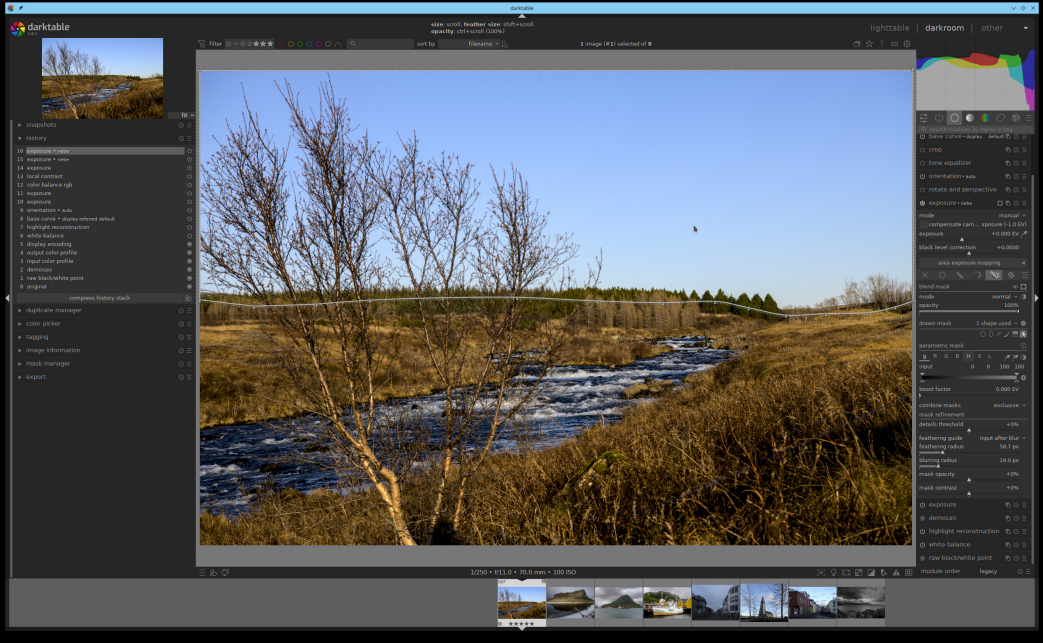

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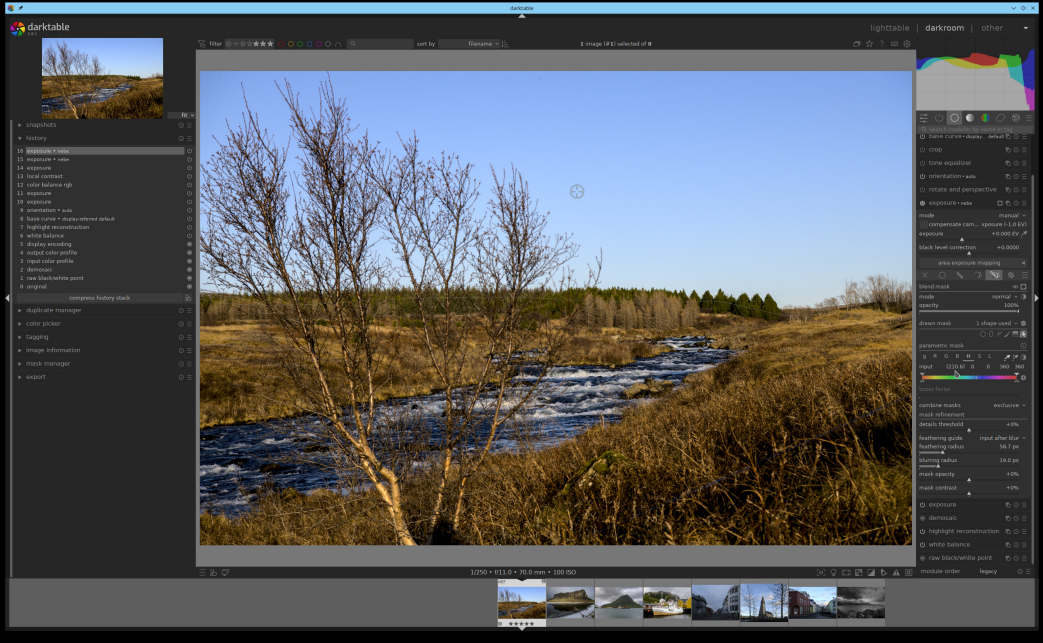


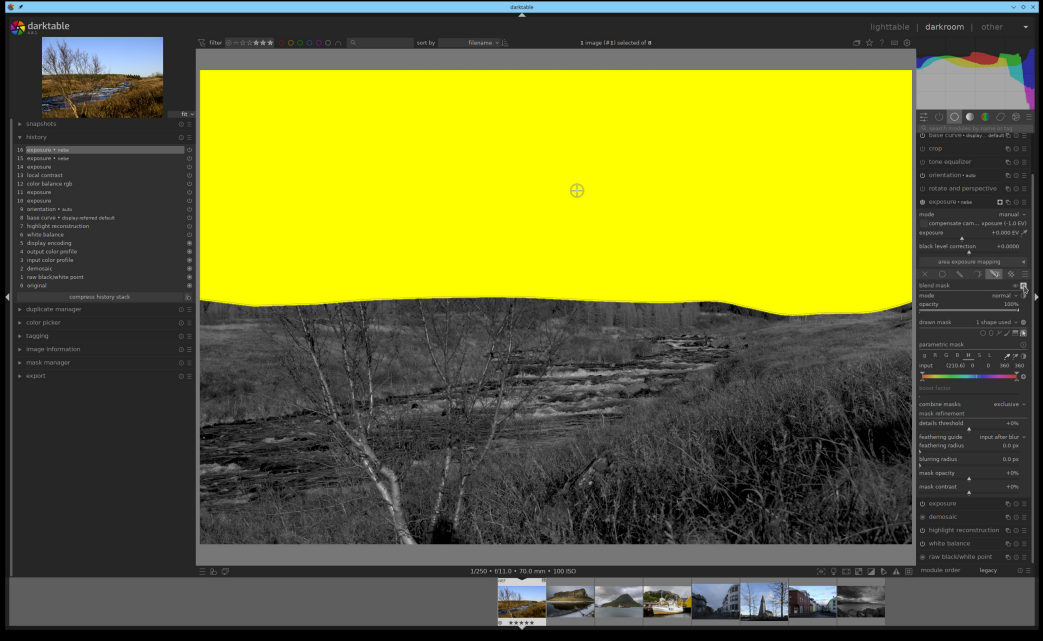

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lighttable
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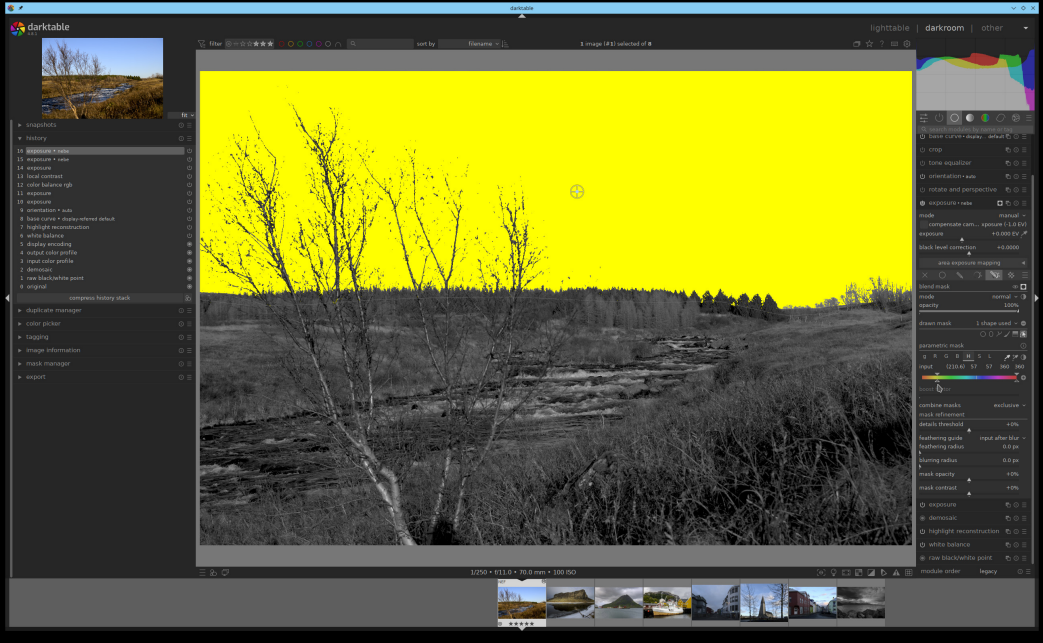

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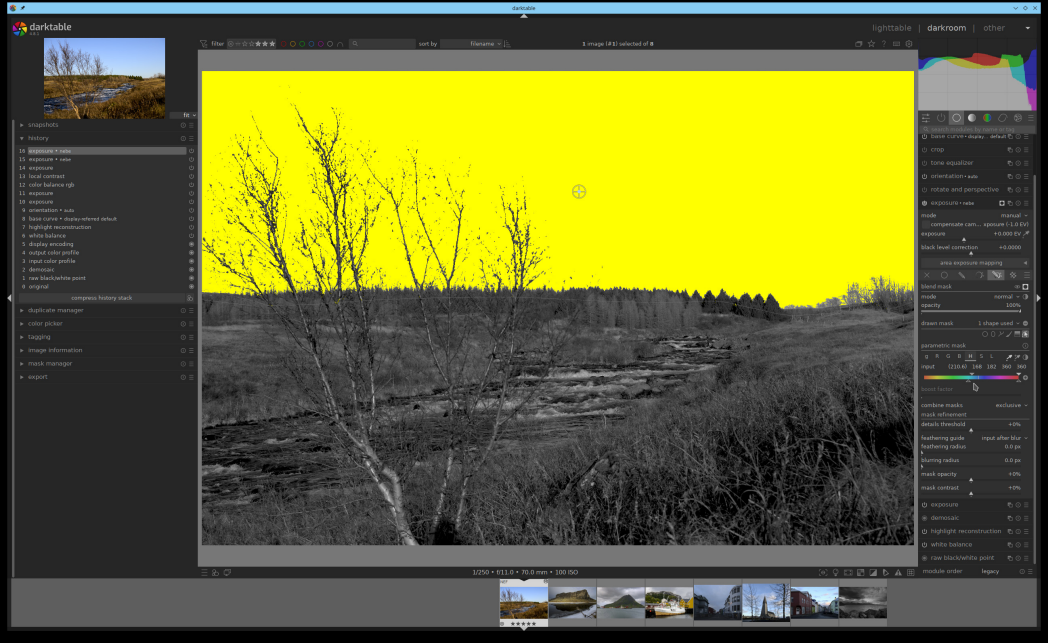

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13 local contrast
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11 exposure
10 exposure
9 exposure + sun
8 base curve + display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
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mask manager
export
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shadows and highlights
color reconstruction
negadoctor
base curve
crop
tone equalizer
orientation
rotate and perspective
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/250 • f/11.0 • 70.0 mm • 100 ISO
module order
legacy

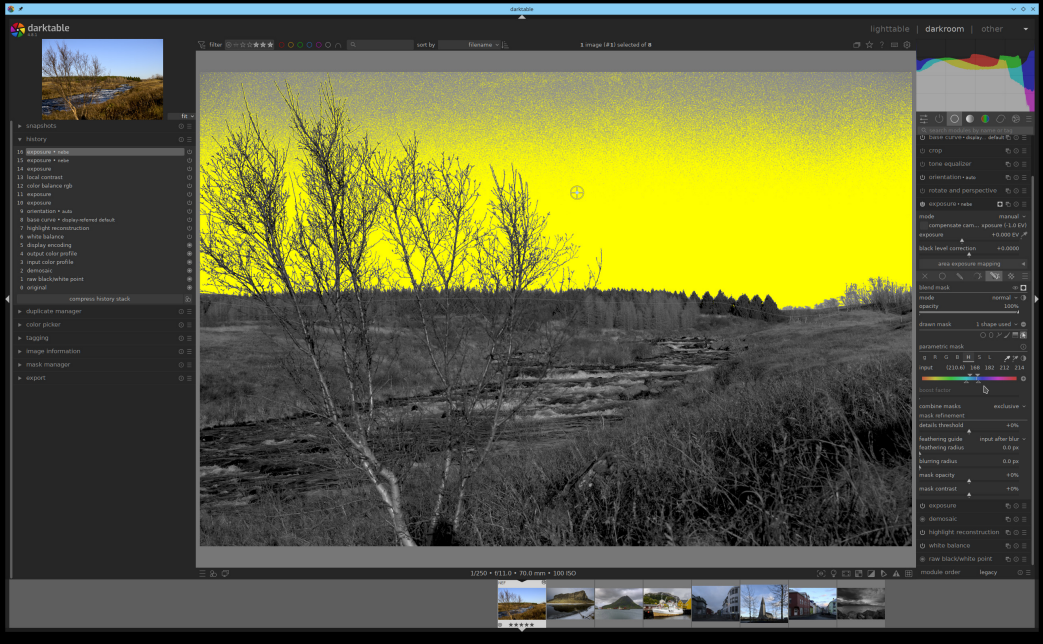

darktable
darktable 4.2.1
size: scroll, feather size: shift+scroll
opacity: ctrl+scroll (100%)
lighttable | darkroom | other
filter
sort by
filename
1 image (#1) selected of 8
snapshots
history
16 exposure • rebe
15 exposure • rebe
14 exposure
13 local contrast
12 color balance rgb
11 exposure
10 exposure
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure • rebe
mode manual
compensate cam... exposure (-1.0 EV)
exposure +0.000 EV
black level correction +0.0000
area exposure mapping
blend mask
mode normal
opacity 100%
drawn mask 1 shape used
parametric mask
input 0 0 100 100
boost factor 0.000 EV
combine masks exclusive
mask refinement
details threshold +0%
feathering guide input after blur
feathering radius 58.7 px
blurring radius 19.0 px
mask opacity +0%
mask contrast +0%
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/250 • f/11.0 • 70.0 mm • 100 ISO
module order
legacy

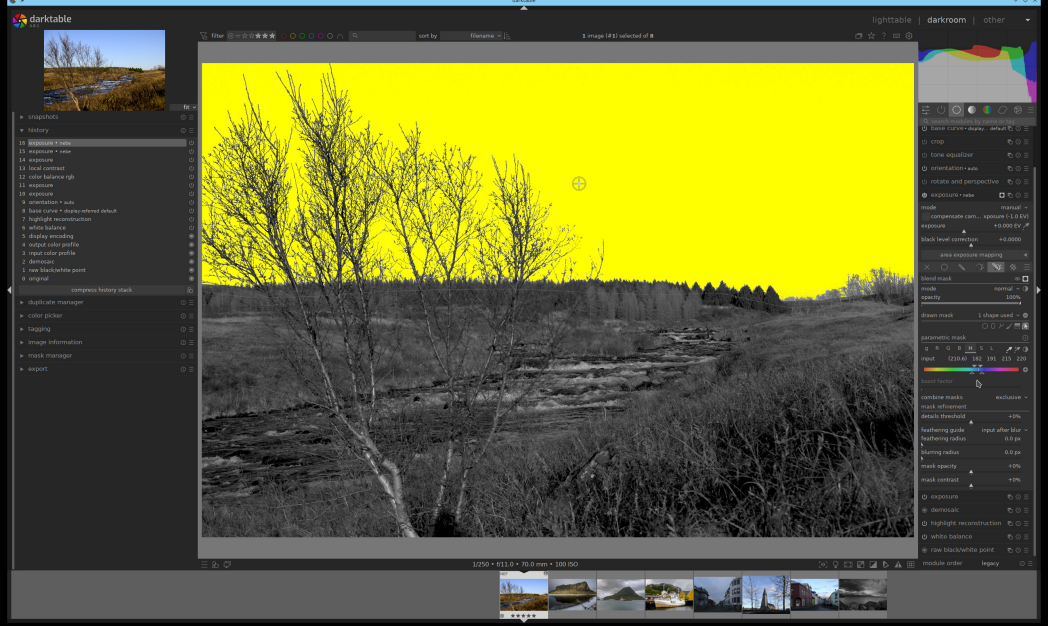

darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image (#1) selected of 8
snapshots
history
16 exposure • rotate
15 exposure • rotate
14 exposure
13 local contrast
12 color balance rgb
11 exposure
10 exposure
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure • rotate
mode manual
compensate cam... exposure (-1.0 EV)
exposure +0.000 EV
black level correction +0.0000
area exposure mapping
blend mask
mode normal
opacity 100%
drawn mask 1 shape used
parametric mask
input (210.6) 0 0 360 360
boost factor
combine masks exclusive
mask refinement
details threshold +0%
feathering guide input after blur
feathering radius 58.7 px
blurring radius 19.0 px
mask opacity +0%
mask contrast +0%
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/250 • f/11.0 • 70.0 mm • 100 ISO
module order
legacy

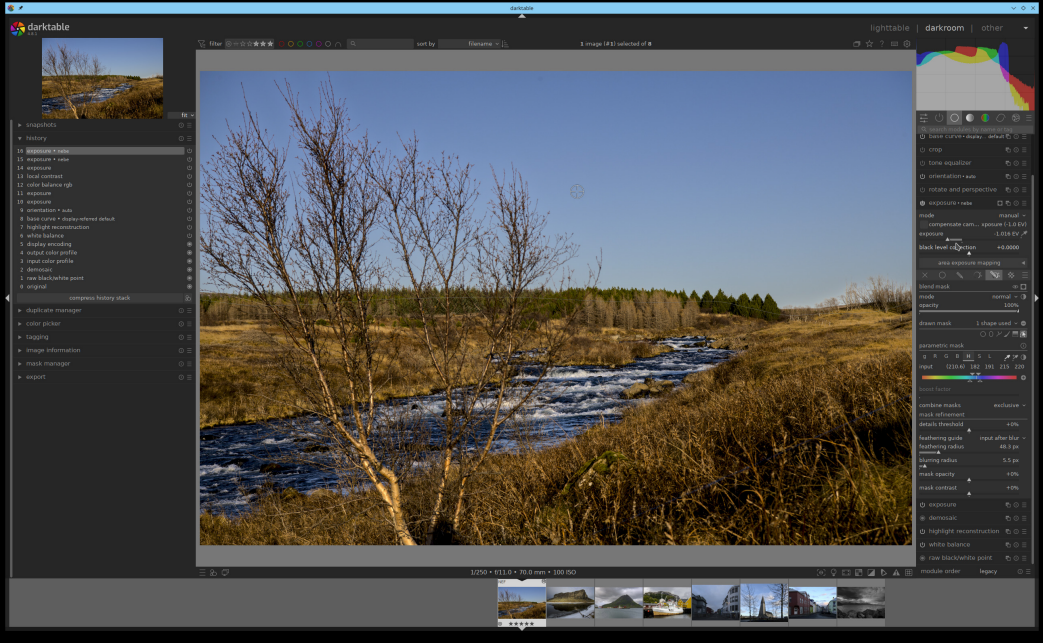

darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image (#1) selected of 8
fit
snapshots
history
16 exposure • rebe
15 exposure • rebe
14 exposure
13 local contrast
12 color balance rgb
11 exposure
10 exposure
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure • rebe
mode manual
compensate cam... xposure (-1.0 EV)
exposure +0.000 EV
black level correction +0.0000
area exposure mapping
blend mask
mode normal
opacity 100%
drawn mask 1 shape used
parametric mask
input (210.6) 0 0 360 360
feather factor
combine masks exclusive
mask refinement
details threshold +0%
feathering guide input after blur
feathering radius 0.0 px
blurring radius 0.0 px
mask opacity +0%
mask contrast +0%
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/250 • f/11.0 • 70.0 mm • 100 ISO
module order
legacy


darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image (#1) selected of 8
snapshots
history
16 exposure • rebe
15 exposure • rebe
14 exposure
13 local contrast
12 color balance rgb
11 exposure
10 exposure
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure • rebe
mode manual
compensate cam... exposure (-1.0 EV)
exposure +0.000 EV
black level correction +0.0000
area exposure mapping
blend mask
mode normal
opacity 100%
drawn mask 1 shape used
parametric mask
input (210.6) 57 57 360 360
combine masks exclusive
mask refinement
details threshold +0%
feathering guide input after blur
feathering radius 0.0 px
blurring radius 0.0 px
mask opacity +0%
mask contrast +0%
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/250 • f/11.0 • 70.0 mm • 100 ISO
module order
legacy

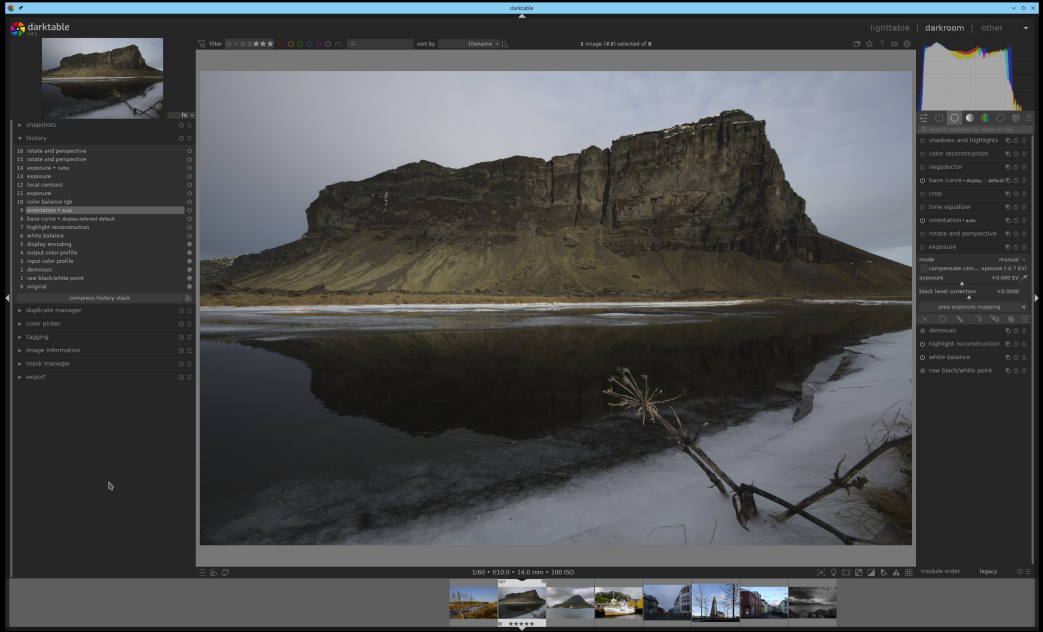

darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image | #1 selected of 8
snapshots
history
16 exposure • rebe
15 exposure • rebe
14 exposure
13 local contrast
12 color balance rgb
11 exposure
10 exposure
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure • rebe
mode manual
compensate cam... exposure (-1.0 EV)
exposure +0.000 EV
black level correction +0.0000
area exposure mapping
blend mask
mode normal
opacity 100%
drawn mask 1 shape used
parametric mask
input (210.6) 148 182 360 360
boost factor
combine masks exclusive
mask refinement
details threshold +0%
feathering guide input after blur
feathering radius 0.0 px
blurring radius 0.0 px
mask opacity +0%
mask contrast +0%
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/250 • f/11.0 • 70.0 mm • 100 ISO
module order
legacy


darktable
lighttable | darkroom | other
filter
sort by
filename
1 image (#1) selected of 8
snapshots
history
16 exposure • rebe
15 exposure • rebe
14 exposure
13 local contrast
12 color balance rgb
11 exposure
10 exposure
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure • rebe
mode manual
compensate cam... xposure (-1.0 EV)
exposure +0.000 EV
black level correction +0.0000
area exposure mapping
blend mask
mode normal
opacity 100%
drawn mask 1 shape used
parametric mask
input (210.6) 148 182 212 214
boost factor
combine masks exclusive
mask refinement
details threshold +0%
feathering guide input after blur
feathering radius 0.0 px
blurring radius 0.0 px
mask opacity +0%
mask contrast +0%
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/250 • f/11.0 • 70.0 mm • 100 ISO
module order
legacy

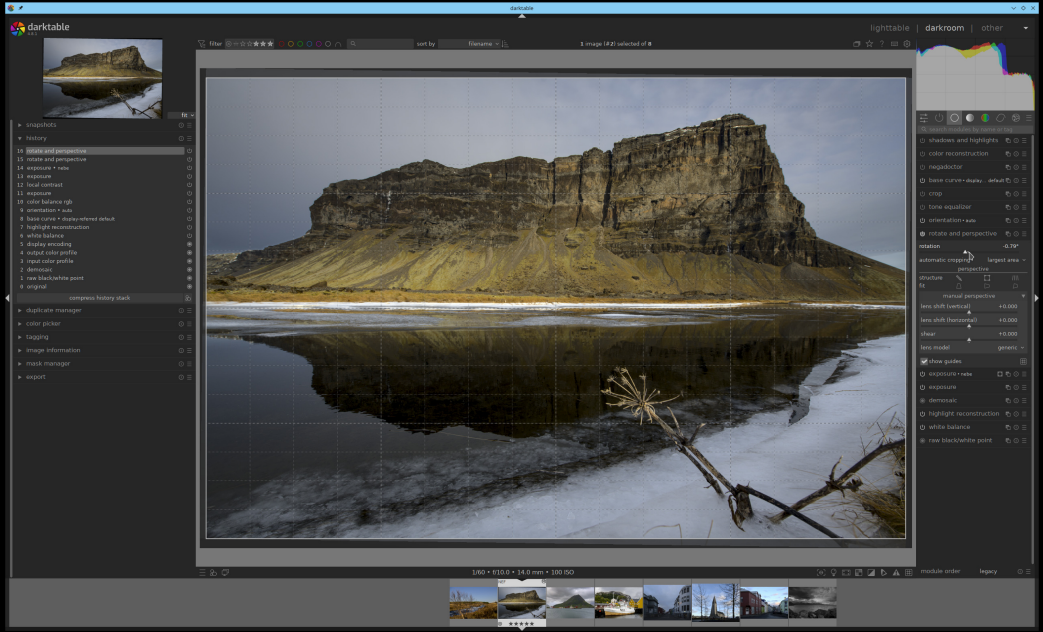

darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image (#1) selected of 8
snapshots
history
16 exposure • rebe
15 exposure • rebe
14 exposure
13 local contrast
12 color balance rgb
11 exposure
10 exposure
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure • rebe
mode manual
compensate cam... xposure (-1.0 EV)
exposure +0.000 EV
black level correction +0.0000
area exposure mapping
blend mask
mode normal
opacity 100%
drawn mask 1 shape used
parametric mask
input (210.6) 192 191 215 220
boost factor
combine masks exclusive
mask refinement
details threshold +0%
feathering guide input after blur
feathering radius 0.0 px
blurring radius 0.0 px
mask opacity +0%
mask contrast +0%
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/250 • f/11.0 • 70.0 mm • 100 ISO
module order
legacy


darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image (#1) selected of 8
snapshots
history
10 exposure • rebe
15 exposure • rebe
14 exposure
11 local contrast
12 color balance rgb
11 exposure
10 exposure
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure • rebe
mode manual
compensate cam... exposure (-1.0 EV)
exposure -1.016 EV
black level correction +0.0000
area exposure mapping
blend mask
mode normal
opacity 100%
drawn mask 1 shape used
parametric mask
input (210.6) 192 191 215 220
boost factor
combine masks exclusive
mask refinement
details threshold +0%
feathering guide input after blur
feathering radius 48.3 px
blurring radius 5.5 px
mask opacity +0%
mask contrast +0%
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/250 • f/11.0 • 70.0 mm • 100 ISO
module order
legacy

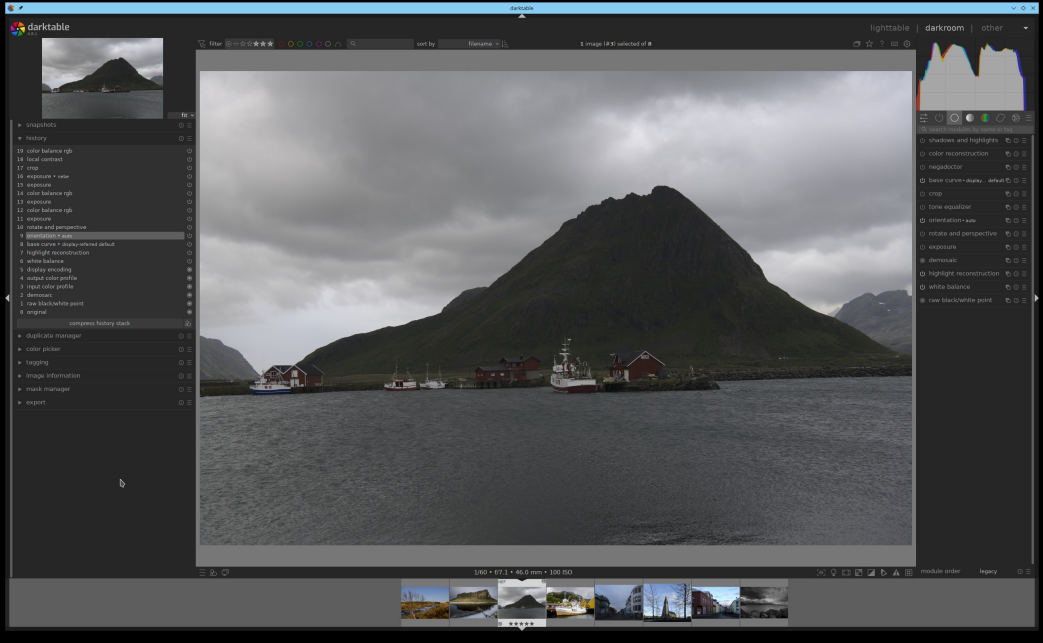


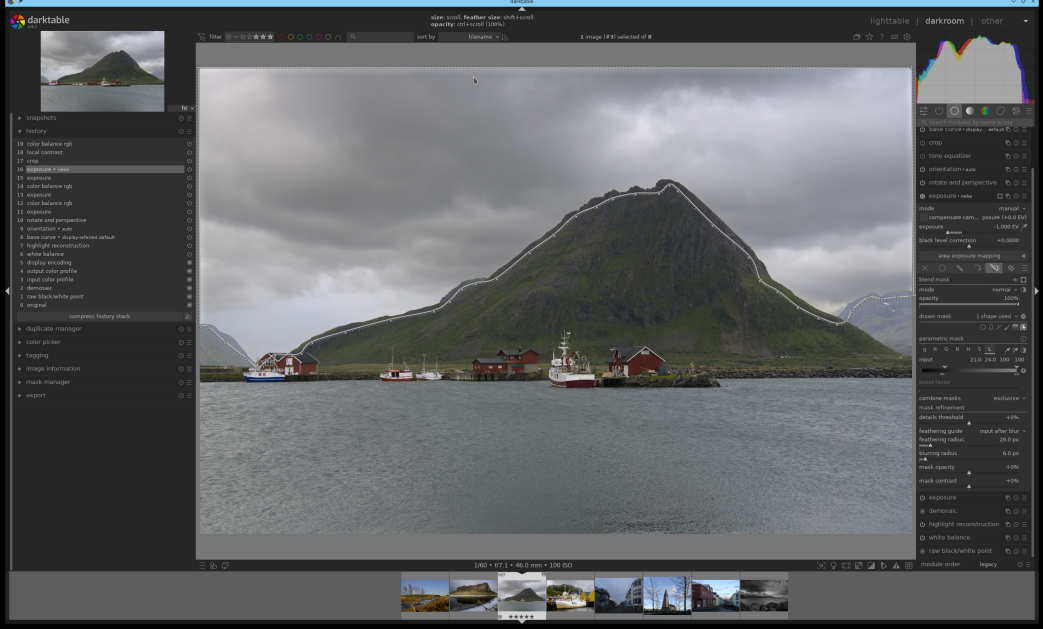

darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image (#2) selected of 8
fit
snapshots
history
16 rotate and perspective
15 rotate and perspective
14 exposure • nelx
13 exposure
12 local contrast
11 exposure
10 color balance rgb
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
shadows and highlights
color reconstruction
negadoctor
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure
mode manual
compensate cam... xposure (-0.7 EV)
exposure +0.000 EV
black level correction +0.0000
area exposure mapping
demosaic
highlight reconstruction
white balance
raw black/white point
1/60 • f/10.0 • 14.0 mm • 100 ISO
module order
legacy


darktable
darktable 4.2
size: scroll, feather size: shift+scroll
opacity: ctrl+scroll (100%)
lighttable | darkroom | other
filter
sort by
filename
1 image (#2) selected of 8
fit
snapshots
history
16 rotate and perspective
15 rotate and perspective
14 exposure × rebe
13 exposure
12 local contrast
11 exposure
10 color balance rgb
9 orientation × auto
8 base curve × display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure • rebe
mode manual
compensate cam... xposure (-0.7 EV)
exposure -0.950 EV
black level correction +0.0000
area exposure mapping
blend mask
mode normal
opacity 100%
drawn mask 1 shape used
parametric mask
input 12.0 14.0 100 100
boost factor
combine masks exclusive
mask refinement
details threshold +0%
feathering guide input after blur
feathering radius 7.0 px
blurring radius 0.0 px
mask opacity +0%
mask contrast +0%
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/60 • f/10.0 • 14.0 mm • 100 ISO
module order
legacy

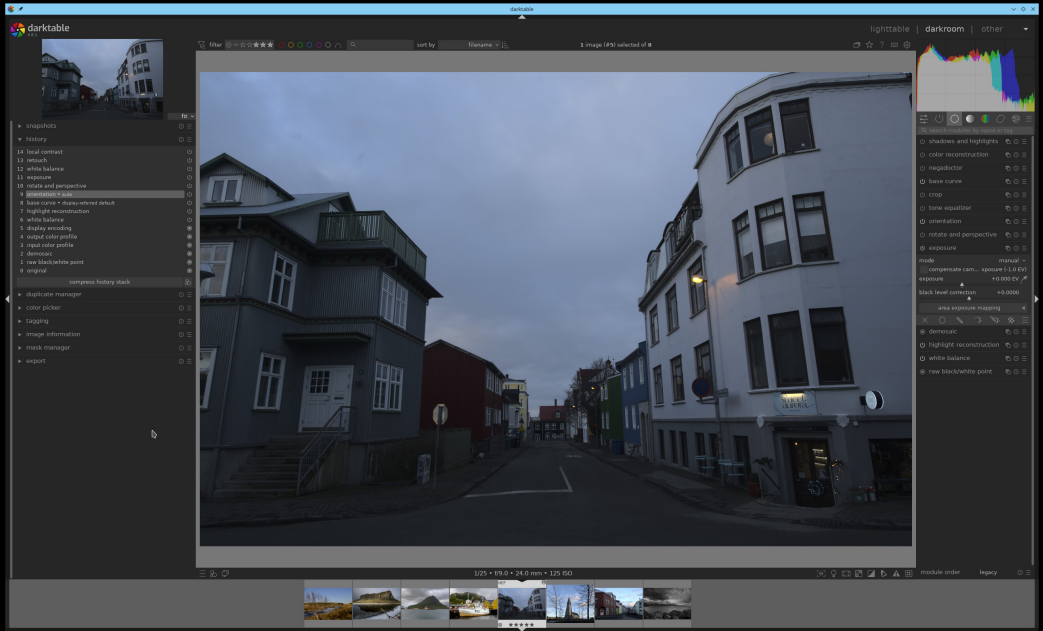

darktable
darktable 3.2
lighttable | darkroom | other
filter
sort by
filename
1 image (#2) selected of 8
snapshots
history
10 rotate and perspective
15 rotate and perspective
14 exposure • nebe
11 exposure
12 local contrast
11 exposure
10 color balance rgb
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
shadows and highlights
color reconstruction
negadoctor
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
rotation
0.79°
automatic cropping
largest area
perspective
structure
manual perspective
lens shift (vertical)
+0.000
lens shift (horizontal)
+0.000
shear
+0.000
lens model
generic
show guides
exposure • nebe
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/60 • f/10.0 • 14.0 mm • 100 ISO
module order
legacy

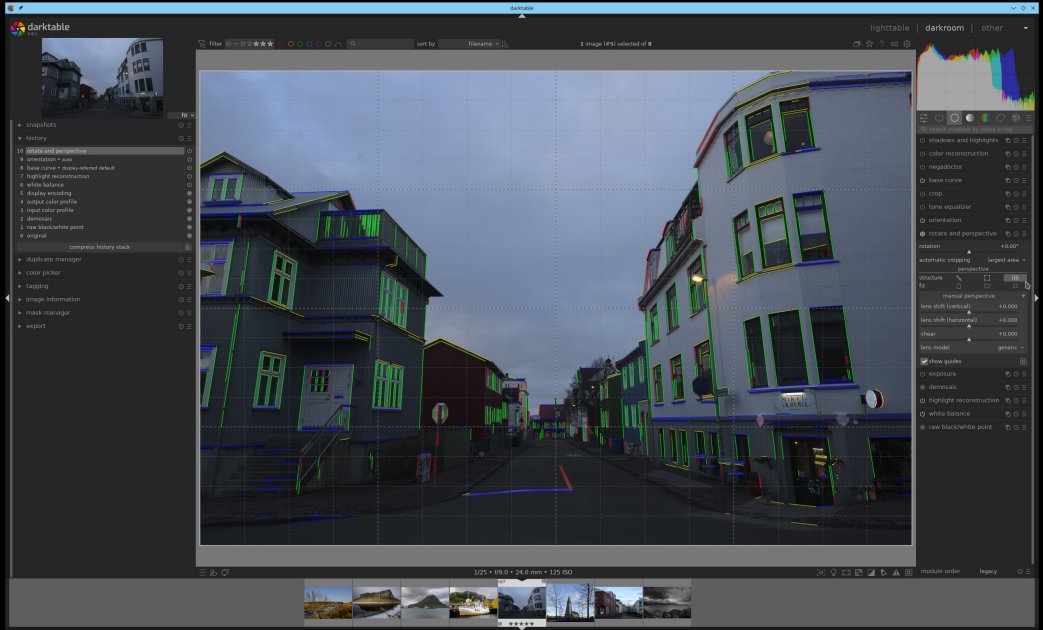


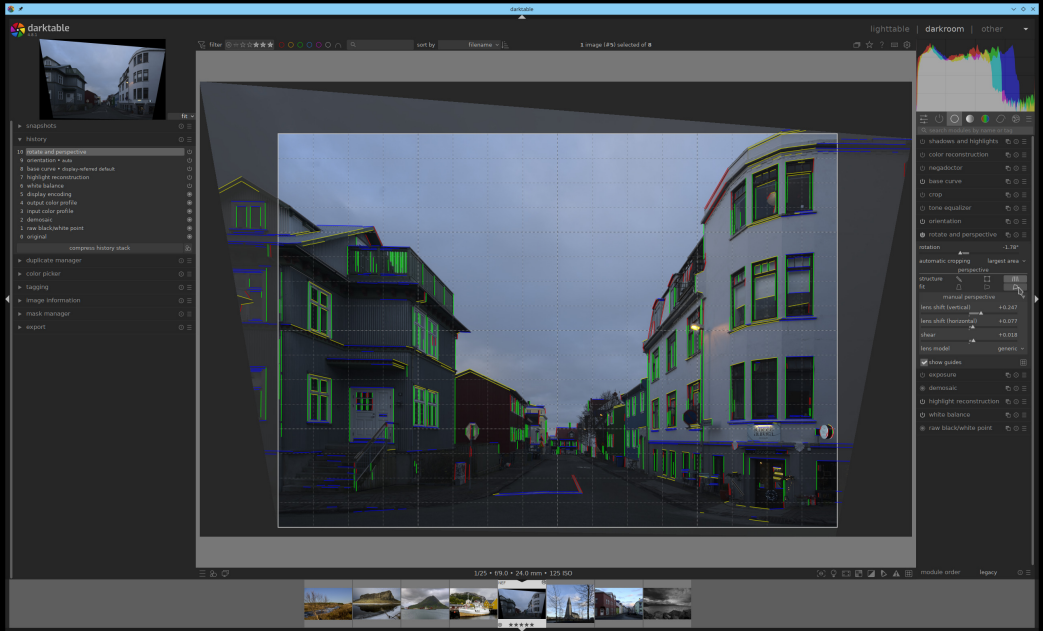

darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image | #3 selected of 8
fit
snapshots
history
19 color balance rgb
18 local contrast
17 crop
16 exposure • reset
15 exposure
14 color balance rgb
13 exposure
12 color balance rgb
11 exposure
10 rotate and perspective
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
shadows and highlights
color reconstruction
negadoctor
base curve • display - default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/60 • f/7.1 • 46.0 mm • 100 ISO
module order
legacy


darktable
darktable 4.2.1
size: scroll, feather size: shift+scroll
opacity: ctrl+scroll (100%)
lighttable | darkroom | other
filter
sort by
filename
1 image (#3) selected of 8
fit
snapshots
history
19 color balance rgb
18 local contrast
17 crop
16 exposure • rebe
15 exposure
14 color balance rgb
13 exposure
12 color balance rgb
11 exposure
10 rotate and perspective
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure • rebe
mode
manual
compensate cam... posure (+0.0 EV)
exposure
-1.099 EV
black level correction
+0.0000
area exposure mapping
blend mask
mode
normal
opacity
100%
drawn mask
1 shape used
parametric mask
input
21.0 24.0 100 100
boost factor
combine masks
exclusive
mask refinement
details threshold
+0%
feathering guide
input after blur
feathering radius
28.0 px
blurring radius
6.0 px
mask opacity
+0%
mask contrast
+0%
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/60 • f/7.1 • 46.0 mm • 100 ISO
module order
legacy

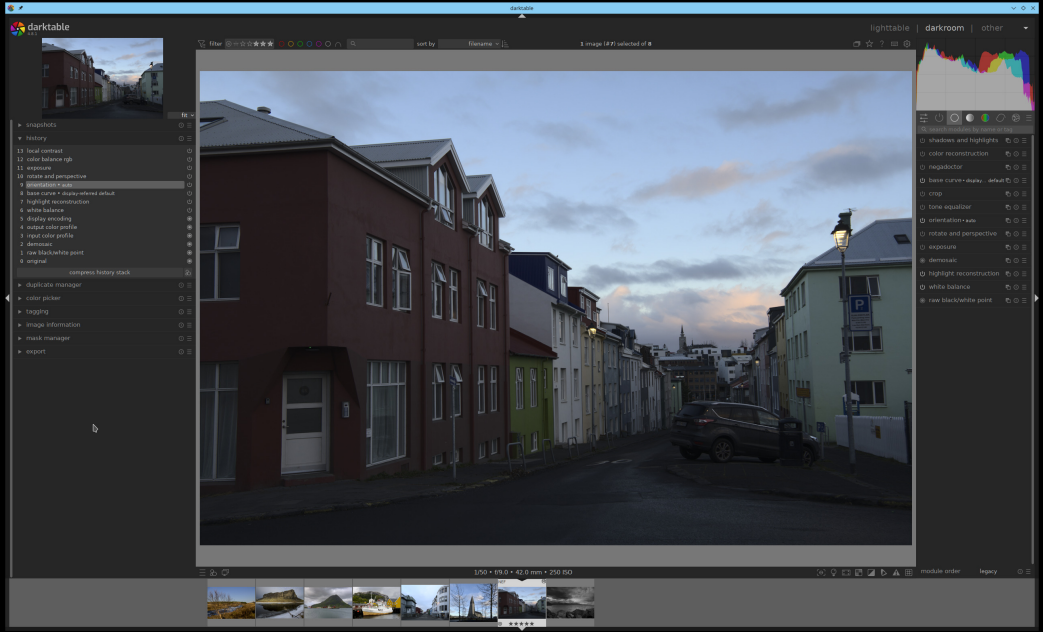


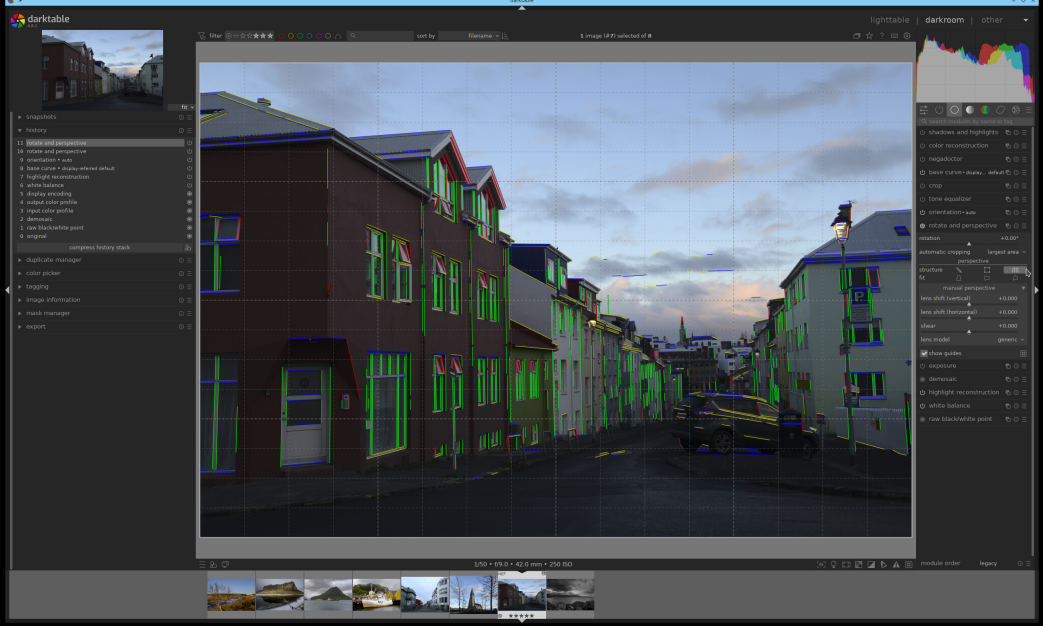

darktable
lighttable | darkroom | other
filter
sort by
filename
1 image (#5) selected of 8
snapshots
history
14 local contrast
13 retouch
12 white balance
11 exposure
10 rotate and perspective
9 orientation + auto
8 base curve * display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
shadows and highlights
color reconstruction
negadoctor
base curve
crop
tone equalizer
orientation
rotate and perspective
exposure
mode
manual
compensate cam... xposure (-1.0 EV)
exposure
+0.000 EV
black level correction
+0.0000
area exposure mapping
demosaic
highlight reconstruction
white balance
raw black/white point
1/25 • f/9.0 • 24.0 mm • 125 ISO
module order
legacy

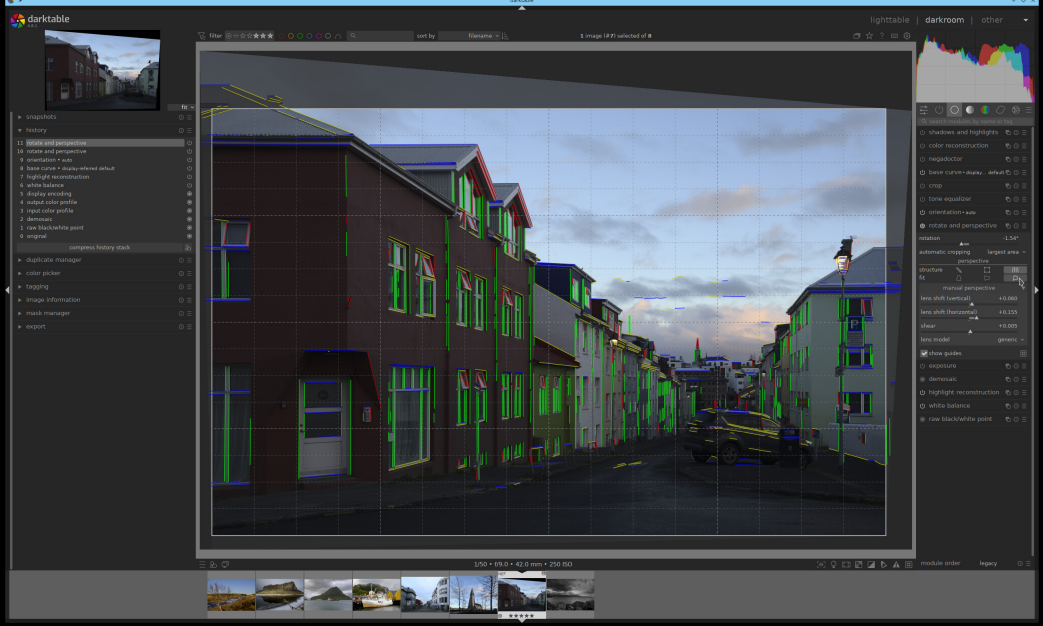

darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image (#5) selected of 8
fit
snapshots
history
10 rotate and perspective
9 orientation + auto
8 base curve + display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
shadows and highlights
color reconstruction
negadoctor
base curve
crop
tone equalizer
orientation
rotate and perspective
rotation +0.00°
automatic cropping largest area
perspective
structure
fit
manual perspective
lens shift (vertical) +0.000
lens shift (horizontal) +0.000
shear +0.000
lens model generic
show guides
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/25 • f/9.0 • 24.0 mm • 125 ISO
module order legacy

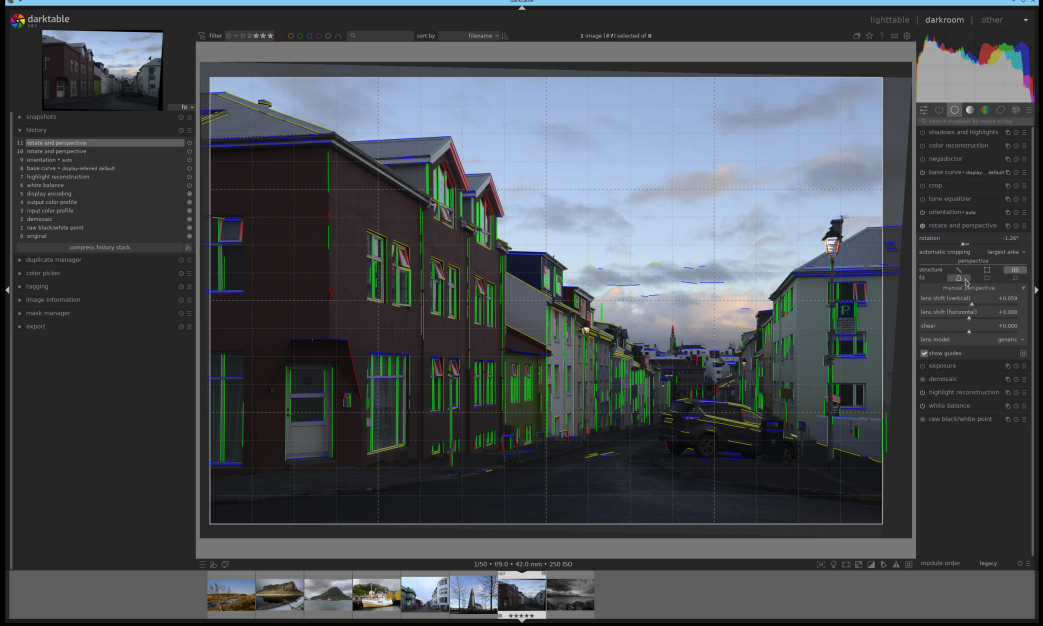

darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image (#5) selected of 8
fit
snapshots
history
10 rotate and perspective
9 orientation + auto
8 base curve + display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
shadows and highlights
color reconstruction
negadoctor
base curve
crop
tone equalizer
orientation
rotate and perspective
rotation
-1.78°
automatic cropping
largest area
perspective
structure
fit
manual perspective
lens shift (vertical)
+0.247
lens shift (horizontal)
+0.077
shear
+0.018
lens model
generic
show guides
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/25 • f/9.0 • 24.0 mm • 125 ISO
module order
legacy


Stúdentakjallarinn
PÂTISSERIE


darktable
darktable 3.8.1
lighttable | darkroom | other
filter
sort by
filename
1 image | #7 | selected of 8
fit
snapshots
history
13 local contrast
12 color balance rgb
11 exposure
10 rotate and perspective
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
shadows and highlights
color reconstruction
negadoctor
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/50 • f/9.0 • 42.0 mm • 250 ISO
module order
legacy


darktable
4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image | #7 | selected of 8
fit
snapshots
history
11 rotate and perspective
10 rotate and perspective
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
shadows and highlights
color reconstruction
negadoctor
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
rotation +0.00°
automatic cropping largest area
perspective
structure
fit
manual perspective
lens shift (vertical) +0.000
lens shift (horizontal) +0.000
shear +0.000
lens model generic
show guides
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/50 • f/9.0 • 42.0 mm • 250 ISO
module order legacy

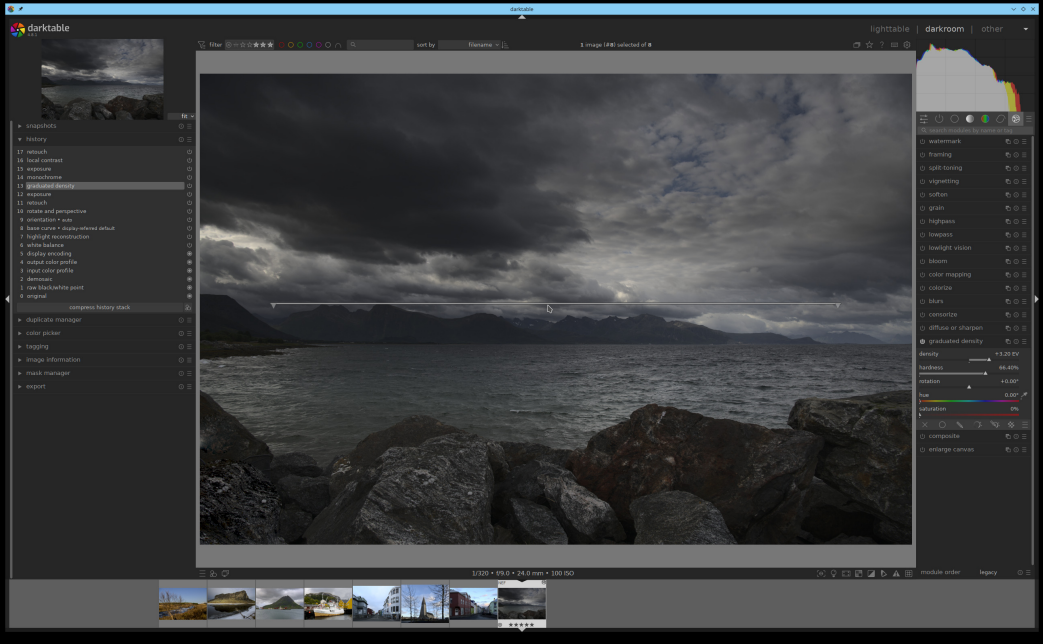

darktable
darktable 3.8.1
lighttable | darkroom | other
filter
sort by
filename
1 image | #7 | selected of 8
fit
snapshots
history
11 rotate and perspective
10 rotate and perspective
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
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3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
shadows and highlights
color reconstruction
negadoctor
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
rotation
-1.54°
automatic cropping
largest area
perspective
structure
fit
manual perspective
lens shift (vertical)
+0.060
lens shift (horizontal)
+0.155
shear
+0.005
lens model
generic
show guides
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/50 • f/9.0 • 42.0 mm • 250 ISO
module order
legacy


darktable
4.0.1
lighttable | darkroom | other
filter
sort by
filename
1 image | #7 | selected of 8
snapshots
history
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10 rotate and perspective
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8 base curve • display-referred default
7 highlight reconstruction
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3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
shadows and highlights
color reconstruction
negadoctor
base curve • display... default
crop
tone equalizer
orientation • auto
rotate and perspective
rotation
-1.26°
automatic cropping
largest area
perspective
structure
manual perspective
lens shift (vertical)
+0.059
lens shift (horizontal)
+0.000
shear
+0.000
lens model
generic
show guides
exposure
demosaic
highlight reconstruction
white balance
raw black/white point
1/50 • f/9.0 • 42.0 mm • 250 ISO
module order
legacy


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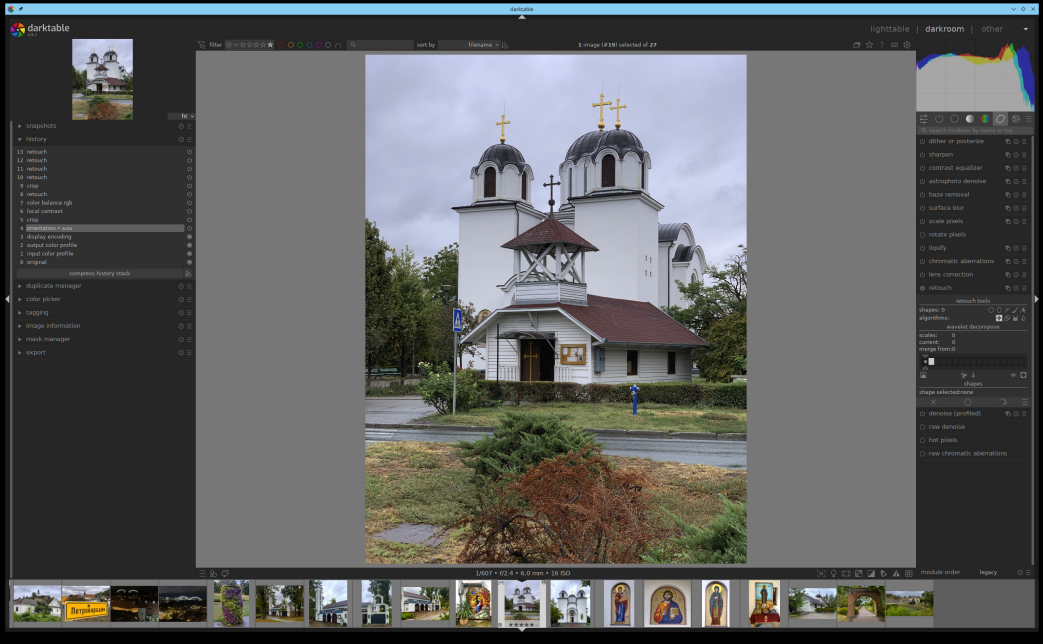

darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image | #8 selected of 8
fit
snapshots
history
17 retouch
16 local contrast
15 exposure
14 monochrome
13 graduated density
12 exposure
11 retouch
10 rotate and perspective
9 exposure + scene
8 base curve + display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
dither or posterize
sharpen
contrast equalizer
astrophoto denoise
haze removal
surface blur
scale pixels
rotate pixels
liquify
chromatic aberrations
lens correction
retouch
denoise (profiled)
raw denoise
hot pixels
raw chromatic aberrati...
1/320 • f/9.0 • 24.0 mm • 100 ISO
module order
legacy

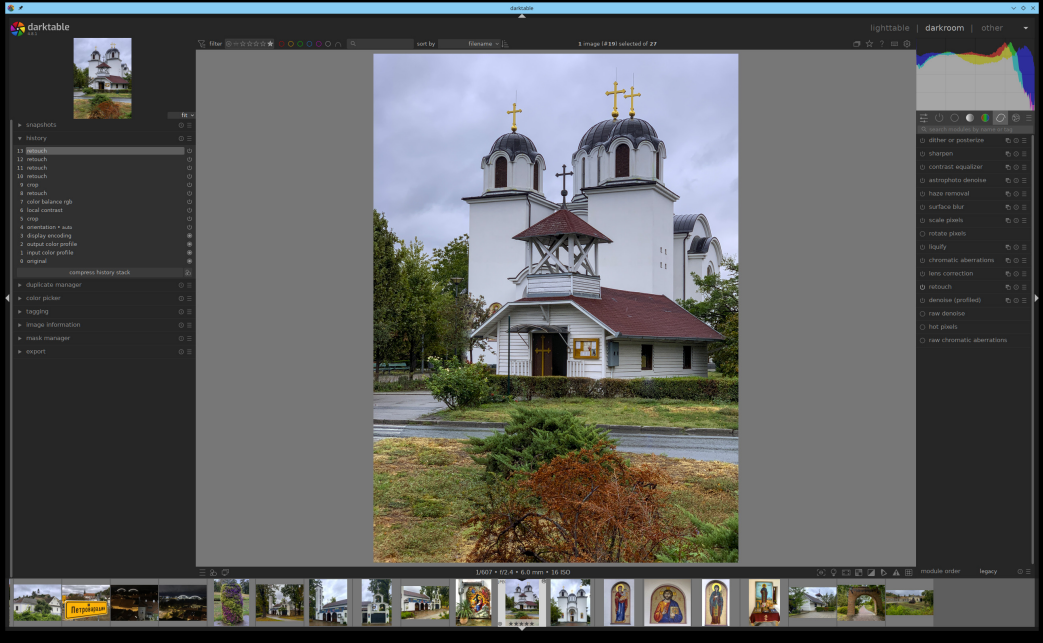

darktable
darktable
lighttable | darkroom | other
filter
sort by
filename
1 image | #8 selected of 8
fit
snapshots
history
17 retouch
16 local contrast
15 exposure
14 monochrome
13 graduated density
12 exposure
11 retouch
10 rotate and perspective
9 orientation + scale
8 base curve + display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
dither or posterize
sharpen
contrast equalizer
astrophoto denoise
haze removal
surface blur
scale pixels
rotate pixels
liquify
chromatic aberrations
lens correction
retouch
retouch tools
shapes: 2
algorithms:
wavelet decompose
scales: 0
current: 0
merge from:0
shapes
shape selected:none
denoise (profiled)
raw denoise
hot pixels
raw chromatic aberrati...
1/320 • f/9.0 • 24.0 mm • 100 ISO
module order
legacy


darktable
darktable
4.2
lighttable | darkroom | other
filter
sort by
filename
1 image | #8 selected of 8
fit
snapshots
history
17 retouch
16 local contrast
15 exposure
14 monochrome
13 graduated density
12 exposure
11 retouch
10 rotate and perspective
9 orientation • auto
8 base curve • display-referred default
7 highlight reconstruction
6 white balance
5 display encoding
4 output color profile
3 input color profile
2 demosaic
1 raw black/white point
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
watermark
framing
split-toning
vignetting
soften
grain
highpass
lowpass
lowlight vision
bloom
color mapping
colorize
blurs
censorize
diffuse or sharpen
graduated density
density +3.20 EV
hardness 66.40%
rotation +0.00°
hue 0.00°
saturation 0%
composite
enlarge canvas
1/320 • f/9.0 • 24.0 mm • 100 ISO
module order
legacy


darktable
darktable 4.2.1
size: scroll, feather size: shift+scroll
opacity: ctrl+scroll (100%)
lighttable | darkroom | other
filter
sort by
filename
1 image | #8 selected of 8
fit
snapshots
history
17 retouch
16 local contrast
15 exposure
14 monochrome
13 graduated density
12 exposure
11 retouch
10 rotate and perspective
9 orientation + scale
8 base curve + display-referred default
7 highlight reconstruction
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duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
dither or posterize
sharpen
contrast equalizer
astrophoto denoise
haze removal
surface blur
scale pixels
rotate pixels
liquify
chromatic aberrations
lens correction
retouch
retouch tools
shapes:
algorithms:
wavelet decompose
scales: 0
current: 0
merge from:0
shapes
shape selected:none
denoise (profiled)
raw denoise
hot pixels
raw chromatic aberrati...
1/320 • f/9.0 • 24.0 mm • 100 ISO
module order
legacy




darktable
darktable 4.2.1
lighttable | darkroom | other
filter
sort by
filename
1 image (#19) selected of 27
fit
snapshots
history
13 retouch
12 retouch
11 retouch
10 retouch
9 crop
8 retouch
7 color balance rgb
6 local contrast
5 crop
4 orientation • auto
3 display encoding
2 output color profile
1 input color profile
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
dither or posterize
sharpen
contrast equalizer
astrophoto denoise
haze removal
surface blur
scale pixels
rotate pixels
liquify
chromatic aberrations
lens correction
retouch
retouch tools
shapes: 0
algorithms:
wavelet decompose
scales: 0
current: 0
merge from:0
shapes
shape selected:none
denoise (profiled)
raw denoise
hot pixels
raw chromatic aberrations
UNO7 • f/2.4 • 6.0 mm • 16 ISO
module order
legacy


darktable
darktable
4.0.1
lighttable | darkroom | other
filter
sort by
filename
1 image (#19) selected of 27
fit
snapshots
history
13 retouch
12 retouch
11 retouch
10 retouch
9 crop
8 retouch
7 color balance rgb
6 local contrast
5 crop
4 orientation • auto
3 display encoding
2 output color profile
1 input color profile
0 original
compress history stack
duplicate manager
color picker
tagging
image information
mask manager
export
search modules by name or tag
dither or posterize
sharpen
contrast equalizer
astrophoto denoise
haze removal
surface blur
scale pixels
rotate pixels
liquify
chromatic aberrations
lens correction
retouch
denoise (profiled)
raw denoise
hot pixels
raw chromatic aberrations
UNO7 • f/2.4 • 6.0 mm • 16 ISO
module order
legacy





Závěr

Nejvíc času zabere výběr pro zpracování (4000 snímků ze Zimbabwe)

Úpravy jednoho snímku typicky 30 s

Extrémně komplikovaná retuš i 10 minut (max. jednou ročně)

Fotografováno ze vzdálenosti přibližně 5 m





Web ZW

www.zdenek-wagner.eu