POST PROCESSING SIG
THE WOODLANDS CAMERA CLUB
APRIL 20, 2020

WHAT'S NEW - LR AND PS FEBRUARY 2020 UPDATE

LIGHTROOM UPDATE FEB 2020

Improved RAW default settings (see next slide)

PSB file support (very large files - 65000 pixels on long edge)

Support for new cameras and lenses

Choose monitor for second window

Auto Sync enhancements

Photoshop Elements 2020 support

GPU accelerated editing for Lens Correction & Transform

IMPROVED RAW DEFAULT SETTINGS

Easily configure Default Settings for RAW images

    Adobe Defaults - the way it was

    Camera Settings - applies your in camera settings so image looks more like what you saw in camera

    Presets - create and apply Develop Presets as default

Apply settings

    Master - applied to all RAW images

    Camera - applied to a specific camera model; can also add serial number to apply different settings based on which camera is used

CHANGING RAW DEFAULT SETTINGS

Click on File (Windows) or Lightroom Classic (Mac) > Preferences > Presets

Click on the Master box and choose default

For camera specific - Click the box for "Use defaults specific to camera model"; Click on Camera and select your model; Click on Default to choose default for that camera model; Repeat for additional cameras

BONUS RAW DEFAULT FEATURES

Presets now available for RAW Defaults that apply changes based on the ISO of the capture

Two Preset examples available from Adobe here:

https://helpx.adobe.com/lightroom-classic/help/raw-defaults.html

To modify those Presets or create your own, you need to write Code in a Text Editor

ISO DEPENDENT SAMPLE PRESETS FROM ADOBE

Preset 1 - Luminance Noise Reduction only;

ISO <401 = 0; ISO 1600 = 10; ISO > 6399 = 30 : varies between those ISOs

Preset 2

Luminance and Color Noise Reduction

Smoothness of Color Noise Reduction

Blacks

Clarity

Masking of Sharpening

PHOTOSHOP FEB 2020 UPDATE

Content Aware Fill workspace improvements

   Make multiple selections and multiple fills without
   leaving the CAF workspace

Lens Blur improvements

   Improved realism; More colorful bokeh

MacOS Dark UI support

General performance improvements

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Removing People — Lightroom and Photoshop

Removing People in Lightroom Classic

LR Spot Removal Tool

Start in "Healing" mode, medium/high feather, 100% opacity

Adjust size appropriate to object to be removed

Move sampling area as needed

Use "H" key to apply tool in an area already treated

Removing People in Photoshop

Individual Tools in Photoshop
(Content Aware Fill Workspace Covered by Don Reuter)

Spot Healing Brush Tool (Easiest to Use - uses content aware technology) - replaces target pixels with texture and colors from around the target

Healing Brush Tool (Uses a source point) - applies the texture of the source with the colors from the area around the target

Clone Stamp Tool (Uses a source point) - makes a direct copy of the source onto the target

Statistics & Stack Modes in Photoshop

Photoshop can perform statistical calculations on a collection of images for a variety of reasons

Maximum - Create a composite of the brightest pixels in a set of images (e.g., enhance headlight/taillight trails in a night traffic scene)

Mean - Reduce noise in a composite night sky image (multiple exposures of constellations, deep sky objects, star trails)

Median - Eliminate transient objects in a composite multiple exposure (get rid of moving people, cars, birds etc)

Median pixel value in a stack = half are equal/brighter, half are equal/darker

Getting the Shot

Tripod recommended but not mandatory

Capture the same (busy) scene with the same camera settings several times (say 7 to 20), separated by enough time to allow people to move about

Long exposures are ok, but people will leave larger, blurred areas and you may need more exposures to get a clean result

Allow some room around the edges of your frame for cropping (after the auto-align step in Photoshop)

Applying Median Stacking #1 (Slow but Instructive)

Start in **Lightroom**

> Select all images to be stacked

> From the Menu Bar: Edit In - Open as Layers in Photoshop (this opens Photoshop and creates a new document with all the images appearing as layers)

In Photoshop, align the images:

> Select all the layers

> Menu Bar: Edit - Auto Align Layers… choose "Auto" for projection type, then Ok

Create the median stacked image:

> With all the layers still selected, right click on any layer and select "Convert to Smart Object"

> With the smart object selected, from the Menu Bar: Layer - Smart Objects - Stack Mode - Median

Finishing Up

Median Stacking has trouble with things that wave, like flags and water. You can copy and paste such items back into the document from one of the layers. In this case, we demonstrate the concept by adding one person back into the image to convey a sense of scale.

Then select all the layers, right click and "Convert to Smart Object" again.

Use the Crop Tool to remove the edge issues created during the auto-align step.

Now from the Menu Bar: Filter - Camera Raw Filter… and proceed to apply global and local adjustments to achieve the desired image.

This can be saved as a re-editable smart object (very large), or can be flattened and saved as the final image.

[From the yellow line, one can save the document back into LR and make adjustments in the Develop Module, instead of continuing in Photoshop]

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Applying Median Stacking #2 (Fast but More Black-Boxy)

Start in **Photoshop**

Menu Bar: File - Scripts - Statistics…

Select images by folder or individual files, Choose stack mode: Median, and BE SURE TO CHECK: Attempt to Automatically Align Source Images - OK

Then continue as in the "Finishing Up" slide

NOTE: This approach produces a document that will not automatically show up in your LR catalog. You must save the document and later add it to LR using **Import** or **Synchronize Folder**

Link to Video of April 2020 PPSIG:

https://www.dropbox.com/s/ew68mIIgwpqy0k6/PPSIG%204-20-20.mp4?dl=0