PROCESS PARAMETER SCANNERv3

for Photoshop by RONC © 2018
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PHOTOSHOP SCRIPTS   by RONC

PROCESS_PARAMETER_SCANNER - This Photoshop Script allows the user to run a series of scans with changing parameters for the following PROCESSes:

- Gaussian Blur - Radius > P1(S1-SN)M1,
- HighPass - Radius > P1(S1-SN)M1,
- Median - Radius > P1(S1-SN)M1,
- Unsharp Mask - Radius > P1(S1-SN)M1, Percent > P2(S1-SN)M2, Threshold > P3(S1-SN)M3,
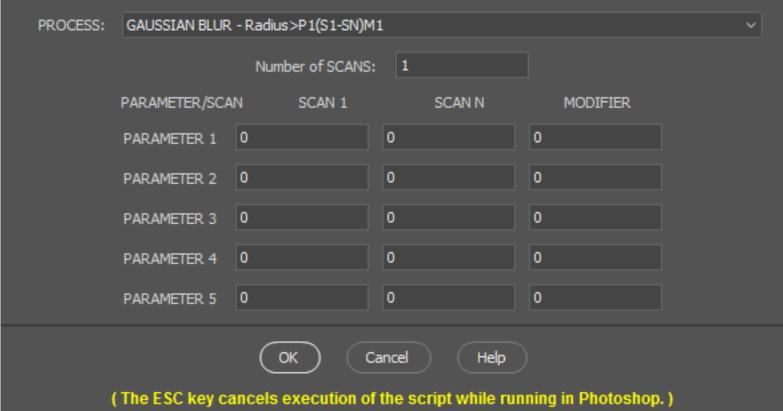- Gamma/Exposure - Gamma > P1(S1-SN)M1, Exposure > P2(S1-SN)M2, Offset > P3(S1-SN)M3.

P1, P2, P3, P4, and P5 are Parameters required by the PROCESS, S1 and SN are the first and last users definition of the Parameters and M1, M2, M3, M4, and M5 are modifiers telling the shape of the interpolation, LINEAR or POWER, between S1 and SN for the scans. LINEAR interpolation is the default. M = 0 or 1 is Linear and other positive values represent powers. This document and the script do not know anything about the Parameters so limited or no checking for validity is performed.
Please review the usage of the parameters in the individual PROCESS documentation.

INPUT IMAGE

Input can be 8, 16, or 32 bits per color channel with the output being the same. Color type (say RGB) is not changed.

USAGE PARAMETERS

ITEM	FUNCTION	User INPUT	INPUT Size (px)	OUTPUT Size(px)	EXT.
Process Parameter Scanner	Allows the user to run of a series of scans with changing parameters for various processes.	PROCESS_PARAMETER_SCANNER.pdf	Width by height.	Width by height.	jsxbin

PROCESS: GAUSSIAN BLUR - Radius>P1(S1-SN)M1 ⌄

Number of SCANS: 1

PARAMETER/SCAN	SCAN 1	SCAN N	MODIFIER
PARAMETER 1	0	0	0
PARAMETER 2	0	0	0
PARAMETER 3	0	0	0
PARAMETER 4	0	0	0
PARAMETER 5	0	0	0

(OK)   (Cancel)   (Help)

(The ESC key cancels execution of the script while running in Photoshop.)

Number of SCANS

The number of times N (minimum of 2) that the user selected PROCESS is executed. Each execution uses a modified M interpolation of parameters between Scans 1 and N. Linear interpolation is the default.

PARM 1	SCAN 1		SCAN N		MODIFIER	
	• Gaussian Blur - Radius,		• Gaussian Blur - Radius,		• Gaussian Blur - Radius,	
	• HighPass - Radius,		• HighPass - Radius,		• HighPass - Radius,	
	• Median - Radius,		• Median - Radius,		• Median - Radius,	
	• Unsharp Mask - Radius,		• Unsharp Mask - Radius,		• Unsharp Mask - Radius,	
	• Gamma/Expos - Gamma.		• Gamma/Expos - Gamma.		• Gamma/Expos - Gamma.	
PARM 2	**SCAN 1**		**SCAN N**		**MODIFIER**	
	• Unsharp Mask - Percent		• Unsharp Mask - Percent		• Unsharp Mask - Percent	
	• Gamma/Expos - Exposure.		• Gamma/Expos - Exposure.		• Gamma/Expos - Exposure.	
PARM 3	**SCAN 1**		**SCAN N**		**MODIFIER**	
	• Unsharp Mask - Threshold		• Unsharp Mask - Threshold		• Unsharp Mask - Threshold	
	• Gamma/Expos - Offset.		• Gamma/Expos - Offset.		• Gamma/Expos - Offset.	
PARM 4	**SCAN 1**		**SCAN N**		**MODIFIER**	
PARM 5	**SCAN 1**		**SCAN N**		**MODIFIER**	

PROCESS

- Gaussian Blur,
- HighPass,
- Median,
- Unsharp Mask,
- Gamma/Expos,

More PROCESS types may be added at a later time.
ACR - Saturation, Vibrance, Clarity,
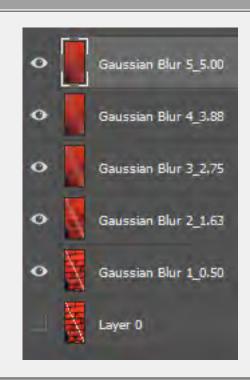PS - Displace, Color Mixer, and Offset have been suggested.

OK/CANCEL

OK - Start script execution using parameters set in the above fields.
CANCEL - Cancel the use of the script before running and return to Photoshop. The ESC key cancels execution of the script while running in Photoshop.

RECOMMENDED SCRIPT USAGE

Typical usage is GAUSSIAN BLUR with number of SCANs = 5, Radius to P1S1 = 0.5, and to P1SN = 5.0.

OUTPUT IMAGES

The Layer name (PROCESS 00N_a.b/c/e.f/g/i.j) is the PROCESS name, followed by a leading zero filled counter from 1 to the number of scans, followed by and underscore "_", and then followed by the local values P1 (a.b), P2 (c), P3 (e.f), P4 (g), and P5 (i.j) each separated by "/" which were used by the PROCESS.
Example: GAUSSIAN BLUR 3_2.75 for less than 10 scans (layers) and 03_2.75 for 10 or more scans.

INSTALLATION/REMOVAL

This script should work on Photoshop versions CS6 and CC onwards and for both Windows and MAC.
Might also work with Photoshop Elements. Someone should try it. Please.

The Script filename is PROCESS_PARAMETER_SCANNER.jsxbin and will be loaded to a folder with mostly *.jsx files.
The Help filename is PROCESS_PARAMETER_SCANNER-HELP.pdf and should be placed in the same folder as the Script file.

MAC OS X foldername: PSCC 2018:
Users/[username]/Library/Preferences/Adobe Photoshop CC 2018 Settings

WINDOWS 10 foldername: PSCC 2018:
C:\Program Files\Adobe\Adobe Photoshop CC 2018\Presets\Script

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