BASIC PHOTOGRAPHY II
DIVING INTO DIGITAL

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WEEK 8
ADVANCED RAW PROCESSING

- ACR'S POWER EXTENDS BEYOND THE BASIC TAB

- ACR'S CAMERA RAW DEFAULTS DETERMINE YOUR INITIAL IMAGE PREVIEW

- PROCESSING YOUR RAW FILE IS LIKE CHOOSING YOUR FILM **AFTER** YOU TAKE THE PICTURE!

- BECAUSE RAW PROCESSING IN NON-DESTRUCTIVE, EXPERIMENT AGGRESSIVELY WITH SETTINGS TO EXPLORE THE CREATIVE OPTIONS YOU HAVE FOR PROCESSING AND ENHANCING YOUR IMAGE.

RAW PROCESSING - MORE TOOLS

- ZOOM TOOL (DOUBLE-CLICK FOR VIEWING AT 100%)

- HAND TOOL (DOUBLE-CLICK FOR VIEWING ENTIRE IMAGE)

- WHITE BALANCE TOOL - CLICK REFERENCE AREA TO NEUTRALIZE COLOR

- COLOR SAMPLER TOOL - SET MULTIPLE SAMPLE POINTS

- TARGETED ADJUSTMENT TOOL - SET SUB-MENU, THEN SLIDE TO ADJUST

- CROP TOOL - SET SUB-MENU OR CREATE CUSTOM CROP

- STRAIGHTEN TOOL - ALIGN HORIZONTAL & VERTICAL LINES

- SPOT REMOVAL TOOL - WORKS FOR SENSOR DIRT REMOVAL

- RED EYE TOOL - YOU'RE A PROFESSIONAL, YOU SHOULD NOT HAVE RED-EYE ISSUES

- ADJUSTMENT BRUSH - BRUSH TO ADJUST SELECTED AREAS

- GRADUATED FILTER - SET ADJUSTMENT AREAS WITH GRADIENT

RAW PROCESSING - MORE TABS

- TONE CURVE TAB
  - CONTRAST PRESETS
  - BUILD A CUSTOM CURVE
- DETAILS TAB
  - SHARPENING - IMPORTANT!!!
  - NOISE REDUCTION
- HSL & GRAYSCALE TAB
  - COLOR CHANNEL CONTROL
  - ADVANCED B&W CONVERSION
- SPLIT TONING TAB
- LENS CORRECTIONS TAB
- EFFECTS TAB
- CAMERA CALIBRATION TAB
- PRESETS TAB - YOUR PRESETS LIBRARY
- SNAPSHOTS TAB - IMAGE SPECIFIC
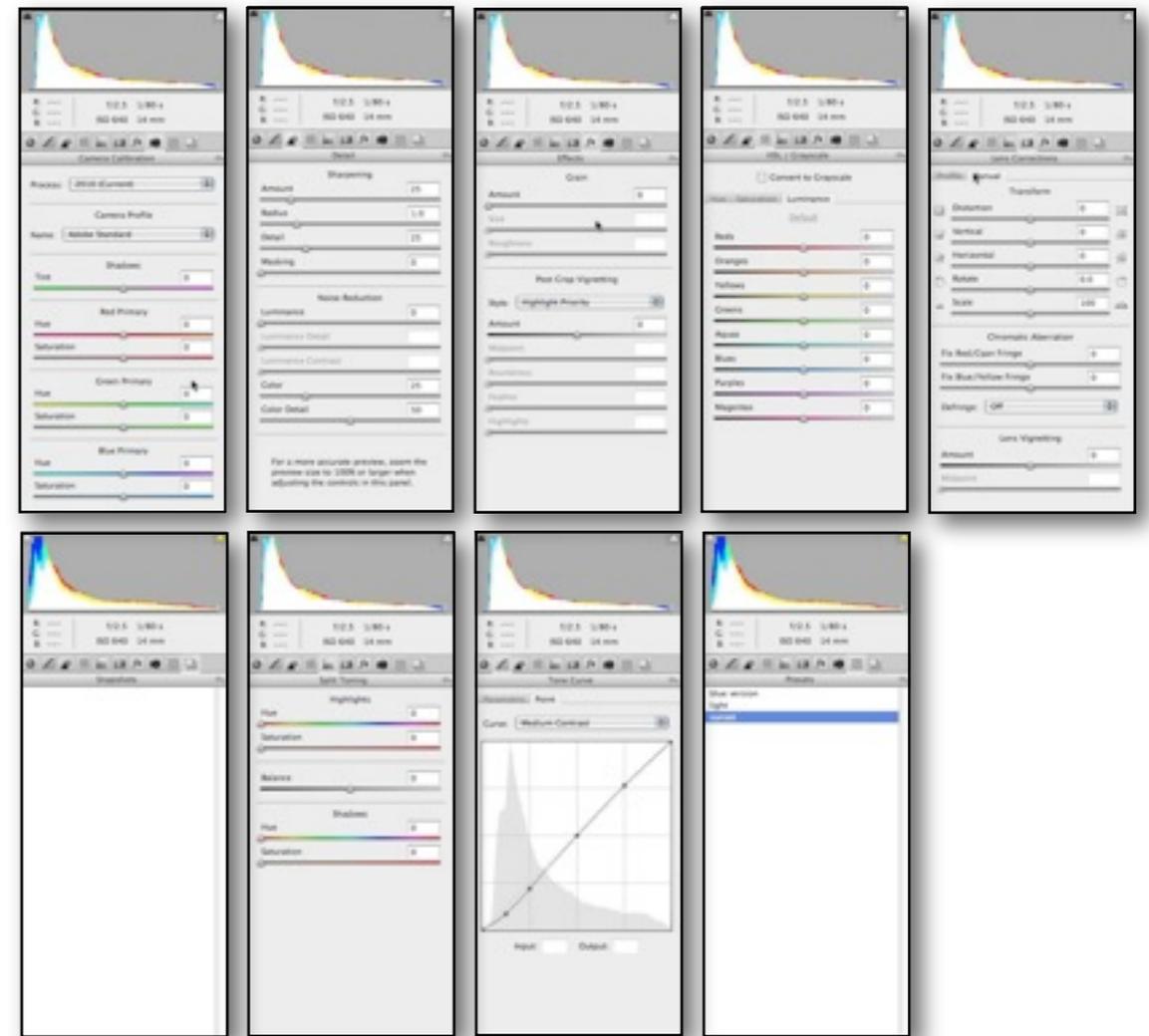
SETTING CAMERA RAW DEFAULTS

- THE PREVIEW OF YOUR RAW IMAGE (IN BRIDGE & ACR) IS DETERMINED BY ACR'S **CAMERA RAW DEFAULTS**

- THE PREVIEW WHEN YOU OPEN ACR **DOES NOT** SHOW AN UNTOUCHED or "AS THE CAMERA SAW IT" or "WHAT WAS REALLY THERE" IMAGE. IT SHOWS A PREVIEW BASED ON A GROUP OF PROCESSING SETTINGS THAT ARE ONLY THE FIRST INTERPRETATION OF THE RAW IMAGE DATA - **ONE POSSIBLE STARTING POINT** FOR PROCESSING YOUR FILE.

- **CAMERA RAW DEFAULTS** USE THE COMBINED VALUES FROM **ALL** TABS - NOT JUST THE BASIC TAB - TO CREATE YOUR IMAGE PREVIEW IN BRIDGE AND ACR.

- MULTIPLE TAB SETTINGS ARE USUALLY IGNORED BY EVEN THE MOST SKILLED PHOTOGRAPHERS WHEN SETTING AND SAVING NEW CAMERA RAW DEFAULTS AND PREVIEWING THEIR PHOTOS.

- THE **MOST IMPORTANT SETTINGS** THAT **MUST** BE SET AND SAVED AS PART OF CAMERA RAW DEFAULT ARE **TONE CURVE**, **SHARPENING**, **NOISE REDUCTION**, AND **CAMERA CALIBRATION**.

SAVING CAMERA RAW DEFAULTS

ONCE YOU HAVE REVIEWED AND SET **EVERY TAB** IN THE ACR INTERFACE, SELECT "SAVE NEW CAMERA RAW DEFAULTS" FROM THE OFTEN OVERLOOKED ACR DROP-DOWN MENU.
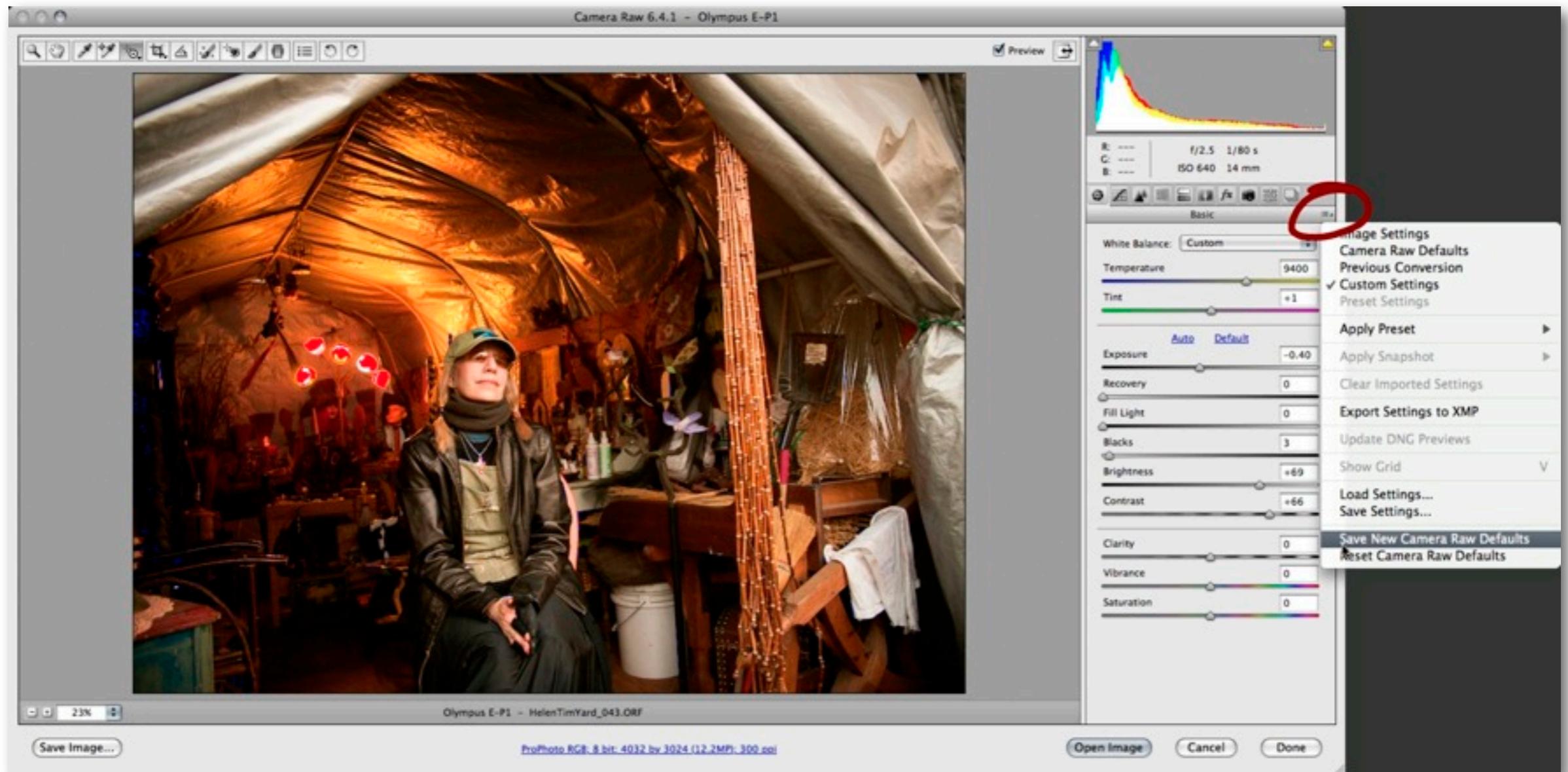
SAVING CAMERA RAW DEFAULTS

CAMERA RAW DEFAULTS ARE APPLIED **AUTOMATICALLY** TO RAW FILES ACCORDING TO THE CAMERA USED.

YOU CAN SET DIFFERENT DEFAULTS BASED ON THE UNIQUE CHARACTERISTICS OF EACH CAMERA'S SENSOR.

YOU CAN SET DIFFERENT DEFAULTS BASED ON ISO USED - THEREBY PRESETTING NOISE-REDUCTION FOR SPECIFIC ISOs.
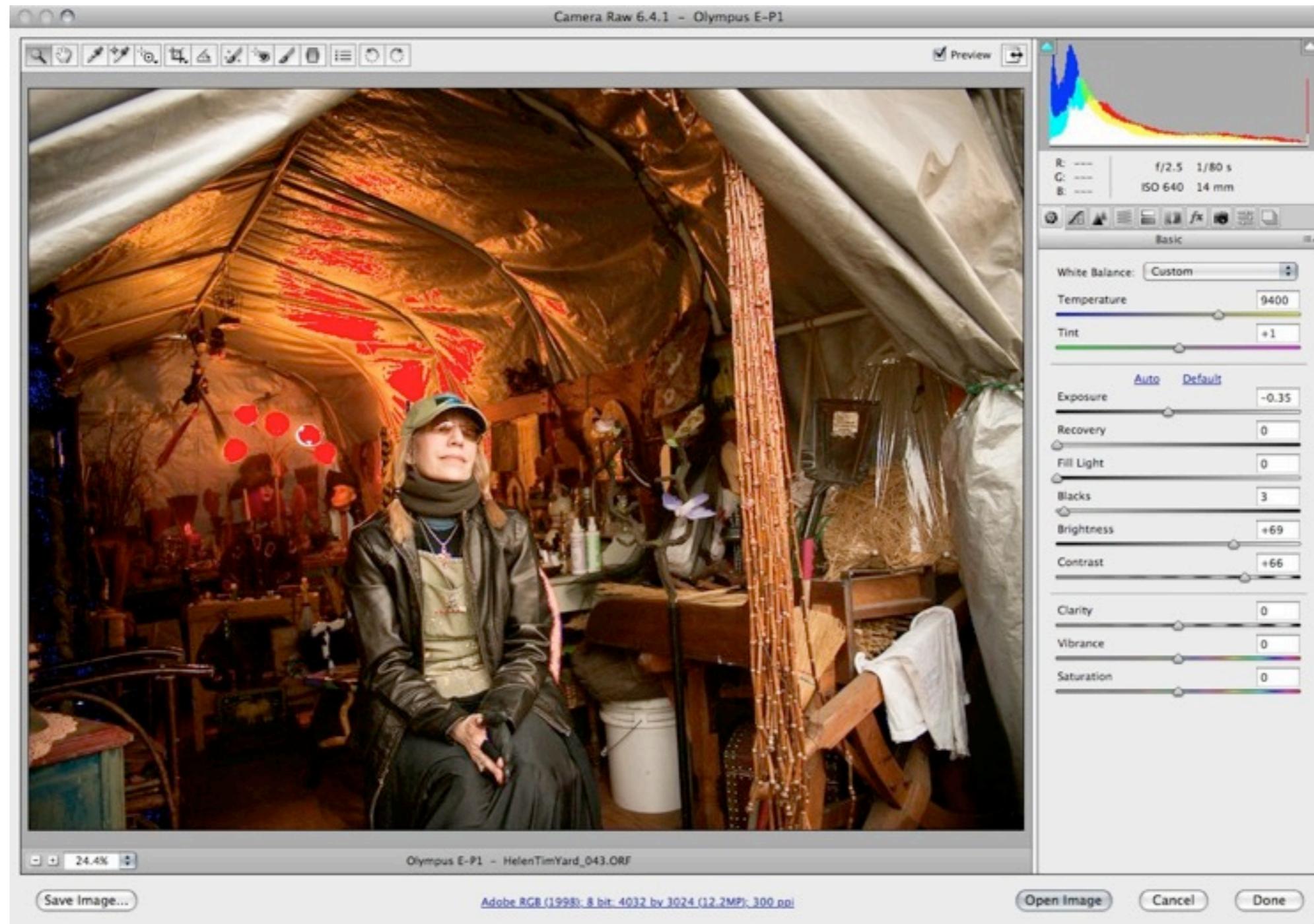
YOU CAN SET DIFFERENT DEFAULTS BASED ON YOUR CAMERA'S SERIAL NUMBER, SO IDENTICAL *MODELS* CAN USE DIFFERENT DEFAULTS (HELPFUL IN MATCHING COLOR BETWEEN CAMERAS)
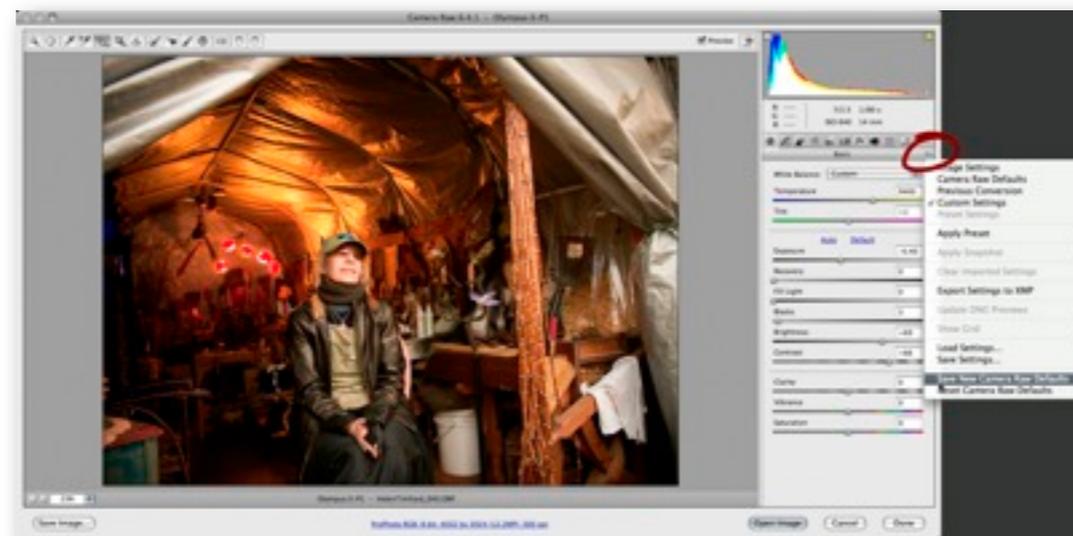
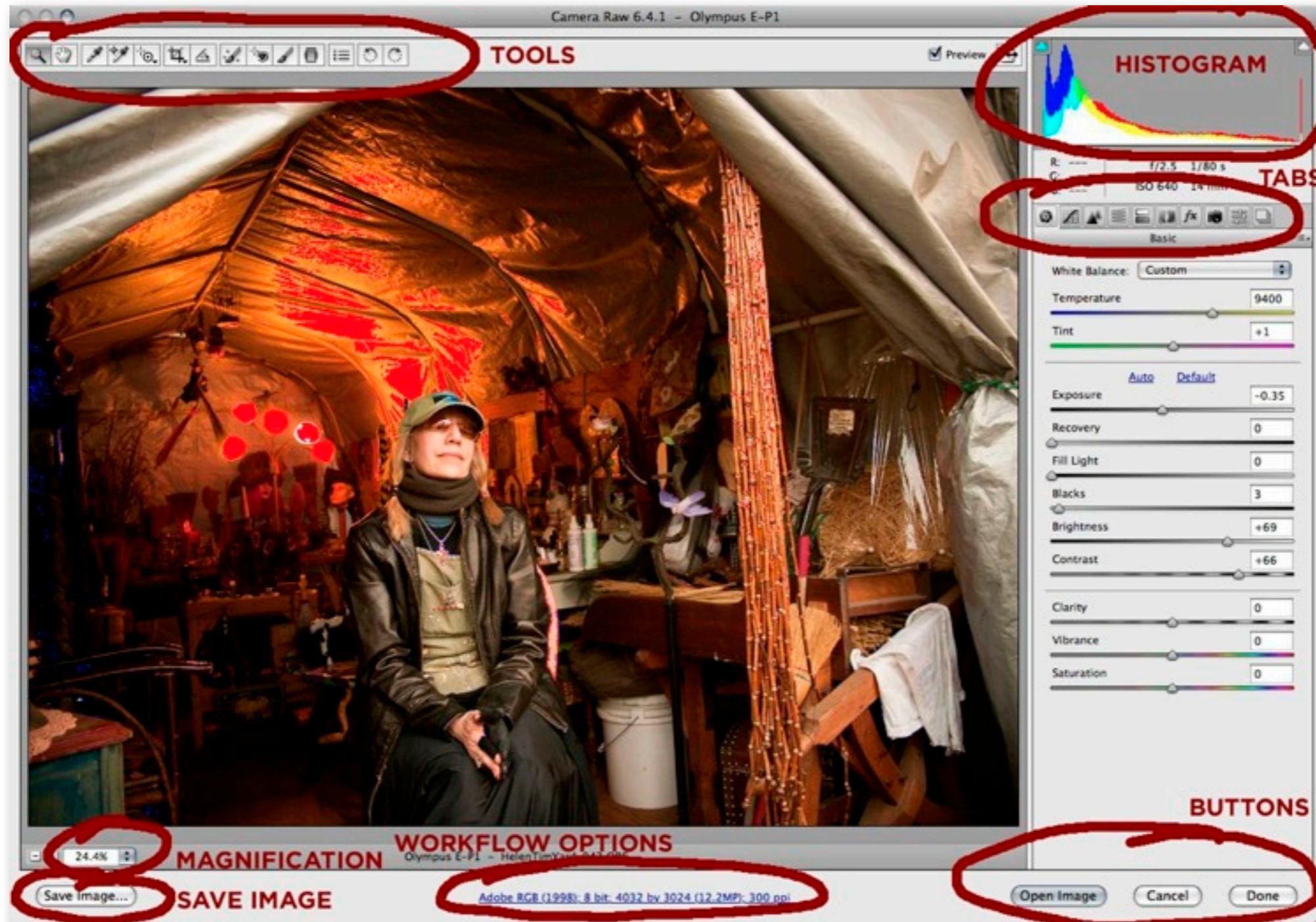# RAW PROCESSING
ADOBE CAMERA RAW (ACR)

LEARN THE INTERFACE IN ACR

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ADOBE CAMERA RAW (ACR)

LEARN THE INTERFACE IN ACR

RAW PROCESSING
MULTIPLE FILE/BATCH PROCESSING

YOU CAN SIGNIFICANTLY REDUCE THE TIME IT TAKES TO PROCESS IMAGES FROM A SHOOT BY SHOOTING WITH BATCH-PROCESSING IN MIND.

FOR EACH PHOTO SITUATION, MANUALLY SET EXPOSURE AND WHITE-BALANCE, AND THEN SHOOT A SERIES OF IMAGES IN THAT SITUATION WITHOUT CHANGING SETTINGS.

THIS ALLOWS YOU TO SELECT MULTIPLE RAW FILES IN ADOBE BRIDGE AND BATCH PROCESS THE GROUP IN ACR

- ADJUST THE FIRST FILE

- CLICK SELECT ALL, THEN CHOOSE SYNCHRONIZE

- MAKE SELECTIONS IN THE SYNCHRONIZE DIALOGUE

- CLICK "DONE" TO APPLY CHANGES TO ALL IMAGES

RAW PROCESSING
SINGLE FILE RE-PROCESSING

YOU CAN EFFECTIVELY EXTEND THE RANGE OF EXPOSURE/CONTRAST IN A SINGLE RAW FILE BY PROCESSING THE SAME IMAGE MORE THAN ONCE.

- PROCESS THE FILE WITH EMPHASIS ON HIGHLIGHT DETAIL AND BRIGHTER TONES

- OPEN THE IMAGE INTO PHOTOSHOP

- OPEN THE IMAGE AGAIN INTO ACR AND PROCESS FOR SHADOW DETAIL AND DARKER VALUES

- OPTION-CLICK THE "OPEN IMAGE" BUTTON TO CHANGE IT TO "OPEN COPY". OPEN THE SECOND VERSION AS A SEPARATE FILE IN PHOTOSHOP

- DRAG VERSION 2 INTO THE VERSION 1 FILE WHILE HOLDING "SHIFT" TO ALIGN THE TWO LAYERS

- APPLY LAYER MASKING* TO THE TOP LAYER TO BLEND THE BEST EXPOSURES FROM EACH VERSION TOGETHER INTO ONE FINISHED IMAGE.

* LAYER MASKING REQUIRES PHOTOSHOP