

Astra Image Batch Simple Deconvolution Reference

Astra Image 5.2.1.0

Files to Process: Lists the files you have selected to be batch processed.

Add Files...: Click this button to select the files you want to process.

Output Folder: This shows where the processed files will be saved. Click the Browse... button to change.

Status: Show the current processing status. Will report progress, errors etc.

Simple Deconvolution Settings Tab: Same settings as in the Simple Deconvolution tool.

Get Settings From Simple Deconvolution Dialog: Click this button to get the settings from the Simple Deconvolution tool dialog box. It's good to fine-tune settings in the Simple Deconvolution tool, then click this button to copy them for use in the batch processing tool.

The dialog box contains the following elements:

- Files to Process:** A list box for selected files, with "Add Files..." and "Clear" buttons below it.
- Output Folder:** A text field with a "Browse..." button.
- Simple Deconvolution Settings:**
 - Blur kernel type: Cauchy (dropdown)
 - Blur kernel size: 2.5 (text box)
 - Deconvolution type: Lucy Richardson (dropdown)
 - Deconvolution iterations: 10 (text box)
 - Deconvolution strength: 3 (text box)
 - Convert to linear pixel values
 - Aggressive
 - Suppress halos
- Output File Settings:** (Referenced in the next section)
- Buttons:** "Start" and "Close" at the bottom right.

OUTPUT FILE SETTINGS TAB REFERENCE

Output File Type: Click either JPEG, TIFF or PNG to set the output file format type.

Output File Settings: The JPEG file type has a setting for the amount of compression. Lower numbers mean more compression but lower quality. The TIFF and PNG file formats allow you to set the type of compression to use as well as the bit depth. Not all compression types work with all bit depths.

Output filenames: Use this box to set what output file names will be used. Images with same name cannot be overwritten.

The Output File Settings tab includes:

- File Type Selection:** Radio buttons for JPEG (selected), TIFF, and PNG.
- Compression:**
 - JPEG: Slider set to 80.
 - TIFF: Compression dropdown set to "None".
 - PNG: Compression dropdown set to "Default".
- Bit Depth:**
 - TIFF: Bit Depth dropdown set to "24-bit".
 - PNG: Bit Depth dropdown set to "24-bit".
- Output filenames:** Text box containing "\$O_AI_Deconvolution_\$C".
- Legend:**
 - \$O = Original filename
 - \$B = Bit depth
 - \$T = Current time
 - \$S = Image dimensions
 - \$D = Current date
 - \$C = Counter from 1 (text box)