

ASTROSURFACE MIRANDA WAVELETS-DECONVOLUTION

ROI = region of Interest

For large images a ROI selection is required. A DoAll button is to apply adjustments to the whole frame.

For small images ROI is only optional. You can force ROI however. Just click on 'force ROI' (remember this is optional)

Ex : to process faster or to process only a part of frame.

You can draw another ROI instantly (when ROI mode is setted)

Do a Reset (to clear previous parameters ?) then :

A : adjust a size for HF (small details) : **0 to 35**

B : and its strength : HF **99 to 0** (try to start at 99 and reduce)

C : remove noise with Noise Pre-Filter **0 to 3.0**

Loop on (A B C) to find an optimal adjustment

When found a good compromise (A B C), you can :

1 : add sharpen for large details in Wavelets LF :

Most of time there is a very low amount of LF or probably nothing to do here.

2 : **add a Deconvolution (2 adjustments) but only for very sharp images !**

You have to readjust HF and compensate by Deconvolution to reach a fine result.

Deconvolution works with Wavelets HF and not alone !

HF = high fréquences = small details LF = low frequencies = large details

Noise-prefilter is to reduce noise and artefacts. Avoid using the noise filter at the bottom

Both sliders **Offset** and **Gain** are to adjust intensity levels of image avoiding a saturation.

For color images in the tab **RGB**, we can align channels, adjust color Gain and Offset, color Saturation, and reduce color noise. These methods are available outside the dialog.

Most of adjustments have a preview check box and have small buttons +/- for a fine tuning.

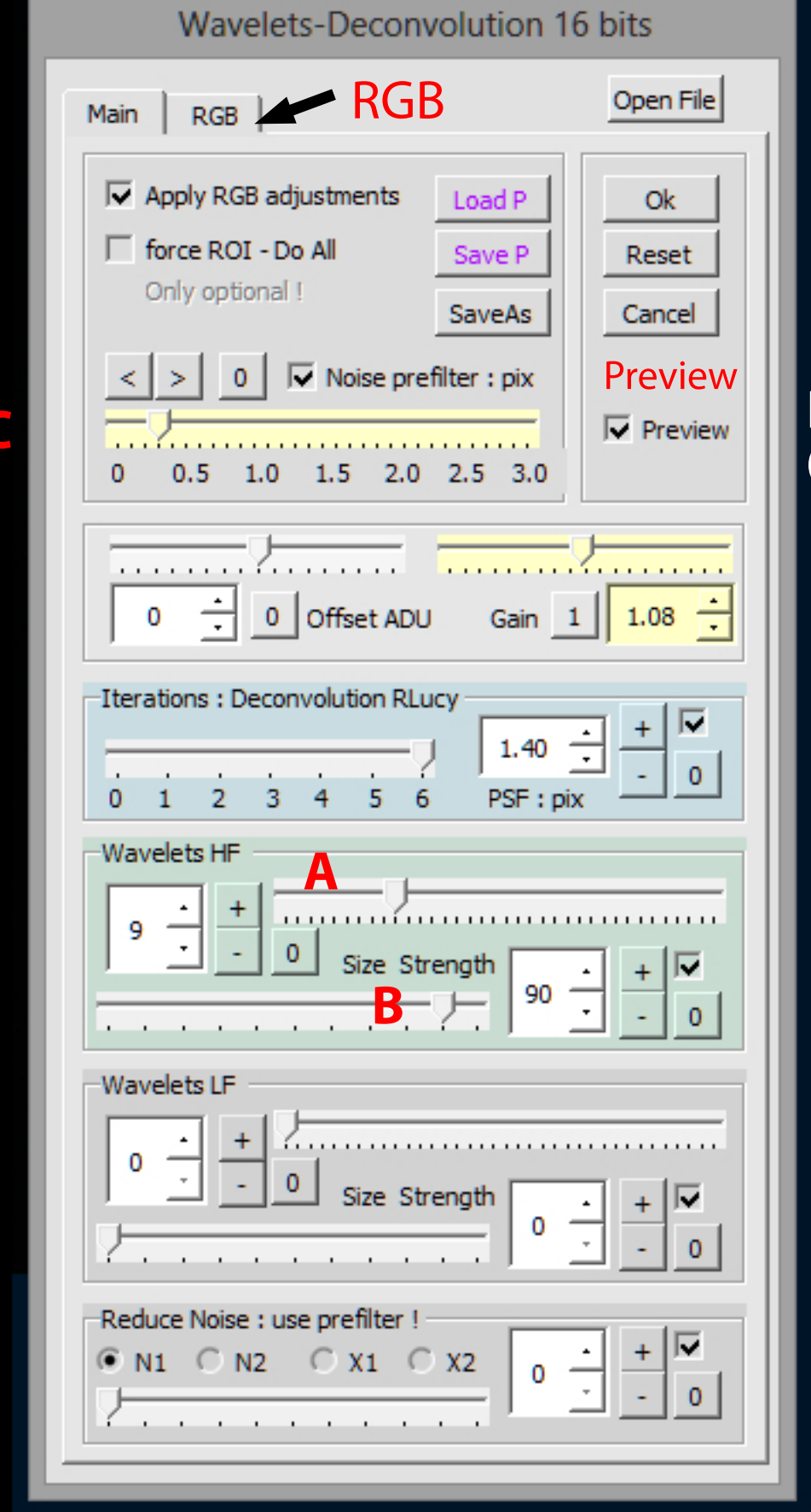
There is a also a main **Preview** check box for all operations. (if at least one is done)

At any time you can do a **Save As** to save a version of your job (but change the name for file output).

Ok will close the dialog and open image for further work.

To record parameters sets, use buttons **SaveP** and **LoadP** at the top.

When dialog is open last parameters are reloaded automatically.



Open
a file

Pre-filter
(very important)

Offset and Gain

Deconvolution :
works with HF

HF

LF

Reduce noise
: avoid it !