book 2net

The Suicide of Lucretia*

Lucas Cranach the Elder (1472-1553)
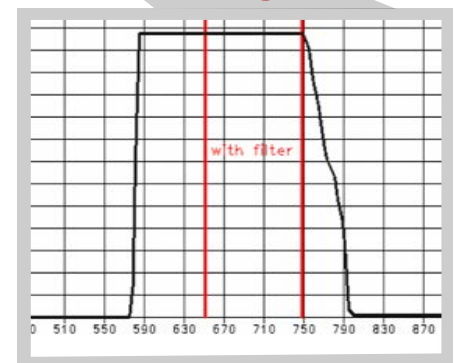
- Drawing -

Multispectral *by* book2net

Spectral Range

Scan series with reflected light and reflected light plus transmitted light form the database for the multispectral analysis. The example shows the spectral range from 350nm up to 950nm (optional up to 1250nm) with a selected increment of 100nm.

	350-450nm	450-550nm	550-650nm	650-750nm	750-850nm	850-950nm

Reflected light

Transmitted light

The software filter processes the native analog information specific to each spectral region while automatically generating a color image, false colors (UV/IR/VIS), 3 color channels and grayscales.

MSP Filter Imager

with filter

510 550 590 630 670 710 750 790 830 870
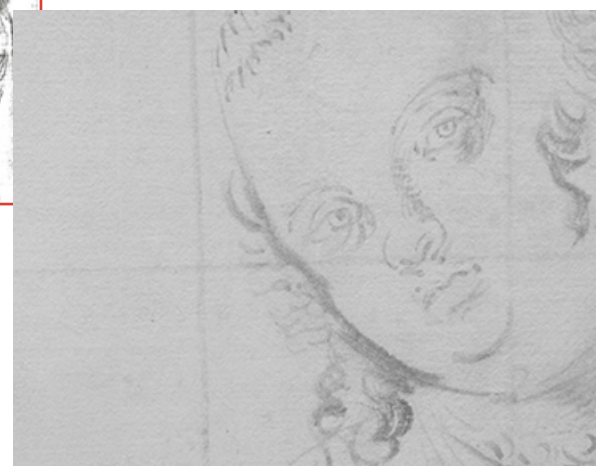
Underdrawings
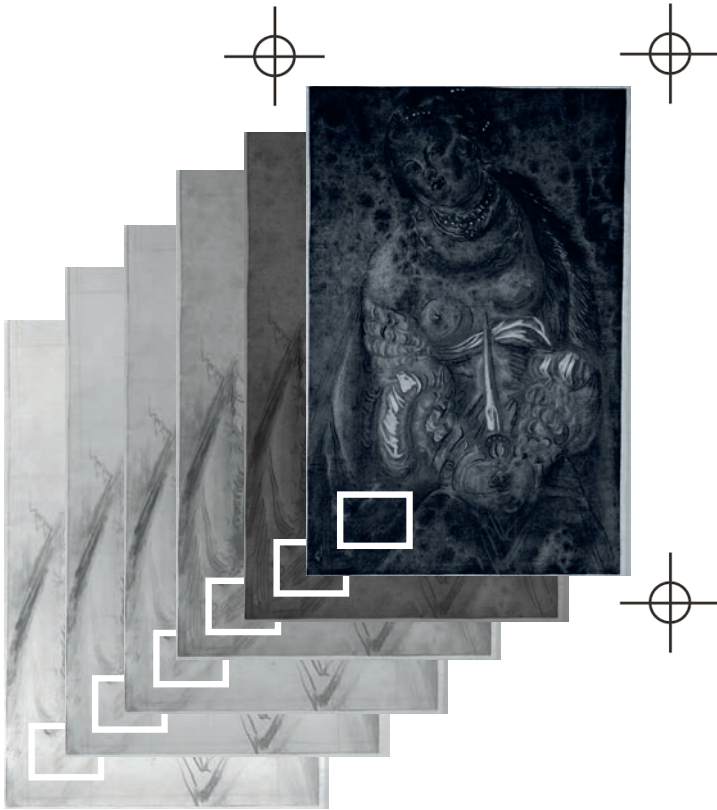

Underdrawing   Hatching

The different levels of the drawing are clearly distinguishable in the IR range.

Recognizable auxiliary lines might have been used as perspective tools for copies or scale changes.

Auxiliary Lines

Pixel Overlay

Analysis frames for defining specific sections

The pixel overlay technique allows to extract the material stucture, watermarks etc.

The pixel difference analysis allows detailed comparisons between the individual levels of the drawing:

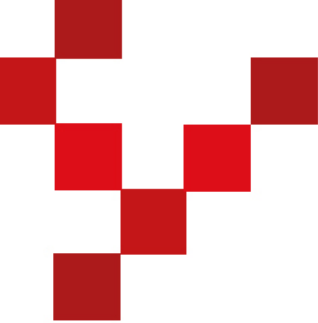Example: position correction of the right eye
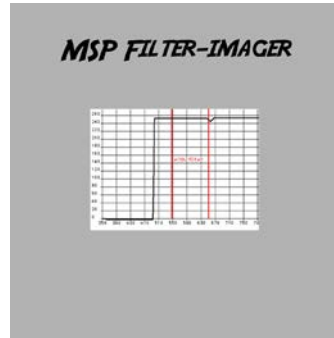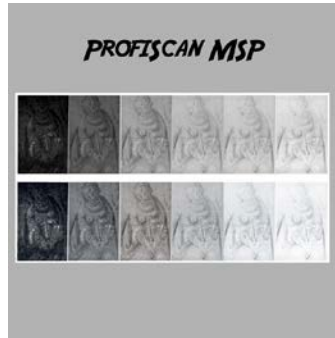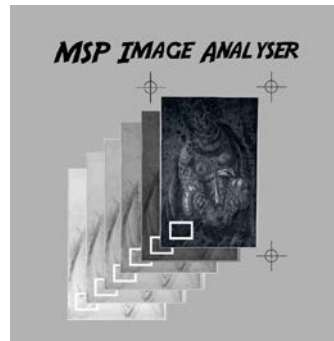
Authentication

Material structure, watermarks, pentimenti, signatures, inscriptions, marks, auxiliary lines

Watermarks, signatures or material structures are visualized by the image analyser, providing evidence of origin and originality (comparison with databases or proofed originals of the artist).

Imaging Software

MSP IMAGE ANALYSER

IMAGEPROCESS MSP

MSP MATERIAL ANALYSER

PROFISCAN MSP

MSP FILTER-IMAGER

IMAGECOLOR MSP

Multispectral Camera

X1spectral
71 Megapixel Multispectral Camera

X2spectral
150 Megapixel Multispectral Camera

* Klassik Stiftung Weimar - Graphic Art Collections