

Stack process: mathematical manipulations

File: Soleil:S1604200136

Stack Process: 136jodc-Cat

Display min, max: -0.07 2.02

Gamma: 0.50 Colors Rescale

X: min, max: 0.00 4.44 x,y-scale

Y: min, max: 0.24 5.85 Zoom Reset

E: min, max: 338.80 370.80 E.-scale

t: min, max: 0.28 0.34 Reset

file0113: 338.80 eV 2.00 msec
 file0114: 340.80 eV 2.00 msec
 file0115: 342.80 eV 2.00 msec
 file0116: 343.30 eV 2.00 msec
 file0117: 343.80 eV 2.00 msec
 file0118: 344.30 eV 2.00 msec

t: at Add region pixel Reset map

ROI file .roi despke remove bad lines

IO: file Add region pixel Reset remove image

Tty- transmission ->OD (T(E) convert OD -> I-I

avg stack median smooth E.-cal change energies

process select command X,Y calibrate change X,Y axes

Path: E:\data\XRM\Soleil\2016-04\2016_C

Name: 136jodc-Cat-cyto

Spectrum ".txt" Region ".roi" Image(s) Rotate 90

Image ".png" Movie ".m.gif" Stack ".mcb"

process select command

Path: E:\data\XRM\Soleil\2016

Name: 136jodc-Cat-cyto

In each case, after selecting an operation the user then must supply

- * constant
- * spectrum
- * image

- select command
- +/- constant
 - +/- spectrum
 - +/- image
 - * constant
 - * spectrum
 - * image
 - / constant
 - / spectrum
 - / image

To subtract the spectrum of the cytoplasm: select +/- spectrum

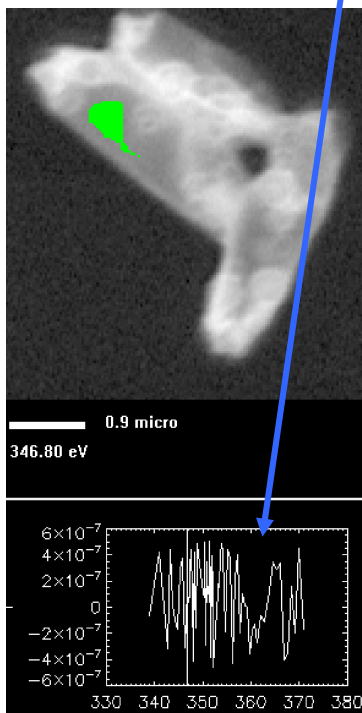
choose

136jodc-Cat-cyto.txt

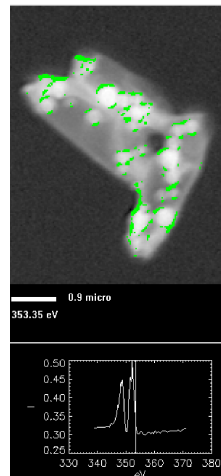
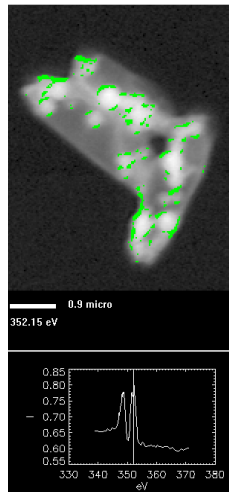
get_num X

weight by

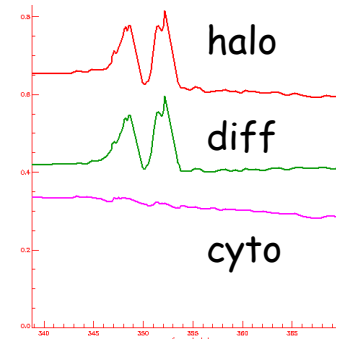
-1



"halo" region



"halo" region AFTER removing cytoplasm signal



FULL stack math can be done under Stacks menu

Stacks Linescans Spectra Display U

- Analyze >
- Add
- Append
- bin >
- change mesh or size
- convert to OD with line lo
- convert format >
- Differentiate
- Expand