Tests done on tissue sample with ID: '15D47562' – Tissue 6

# Remove baseline

Graphical user interface, chart, histogram

Description automatically generated

# Find ideal averaging area

Chart, line chart

Description automatically generated

# Average over space to reduce noise

## RUNNING AVERAGE

Spectra across row 100 after averaging (10-50pts):

A picture containing sky, different, day

Description automatically generated

Zooming in to columns 40-120 (peak)

A picture containing sky, computer, different, bed

Description automatically generated

## GAUSSIAN KERNEL – SIGMA = 10

## A picture containing sky, different Description automatically generated

## A picture containing computer, different, various, several Description automatically generated

Single spectrum: 100x100Graphical user interface, diagram

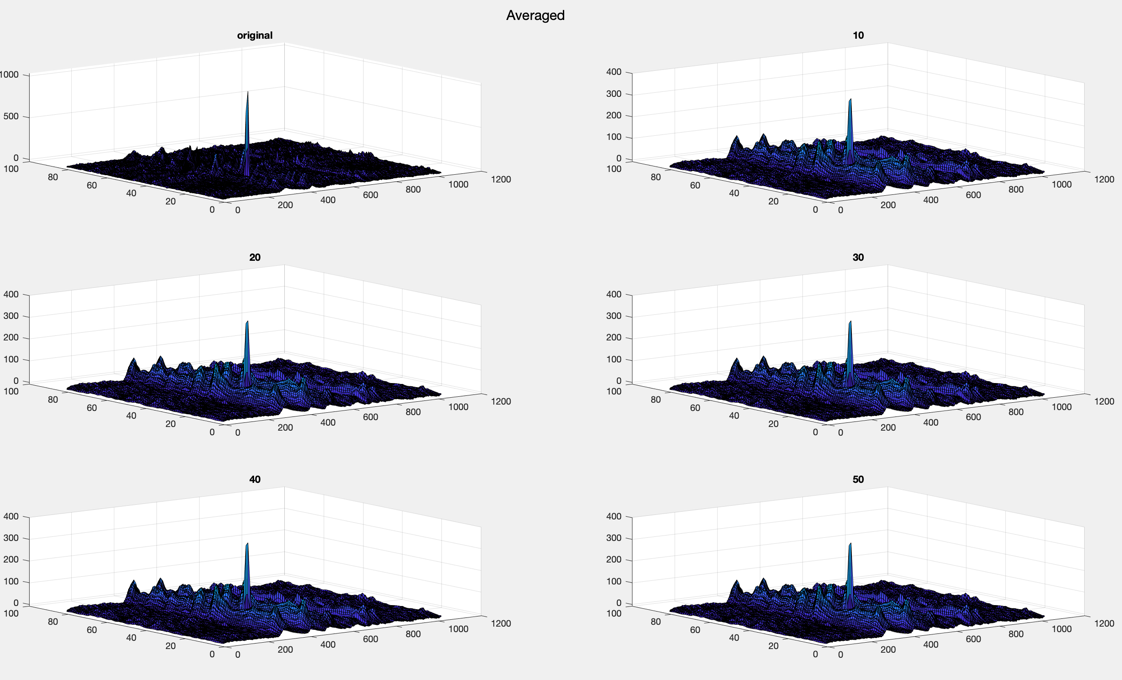
Description automatically generated

## Graphical user interface, diagram Description automatically generated

## GAUSSIAN KERNEL – SIGMA = 1

A picture containing diagram

Description automatically generated



Graphical user interface, application, Word

Description automatically generated

# Remove further noise

* Cosmic ray peaks
* If peak doesn’t appear in neighbours, ignore