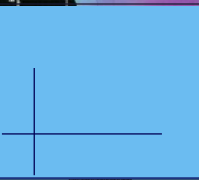
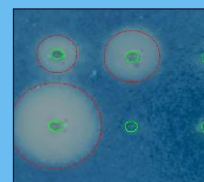
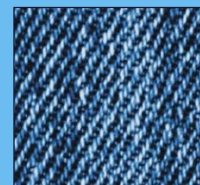


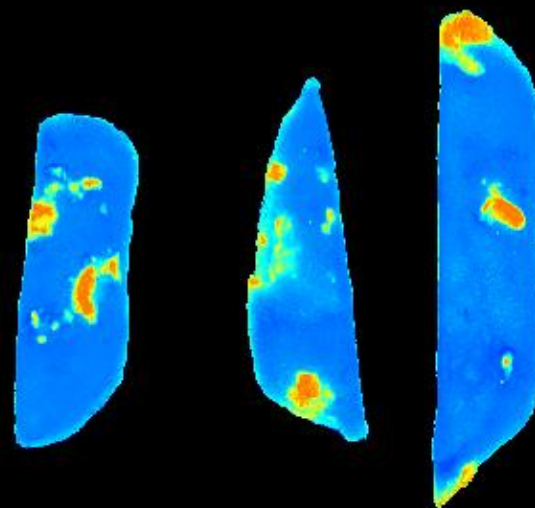
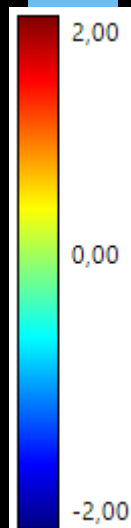
## Spectral Imaging with VideometerLab

### Application: Potato strips

Videometer A/S  
[www.videometer.com](http://www.videometer.com)



# Peel residue detection

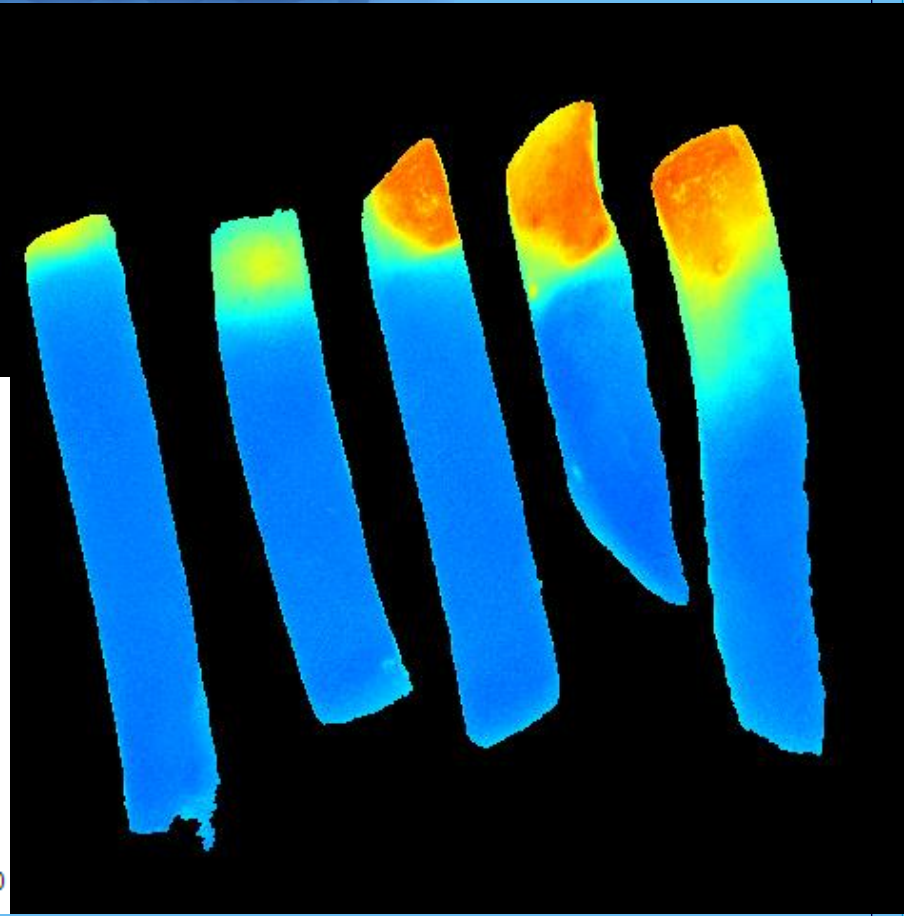
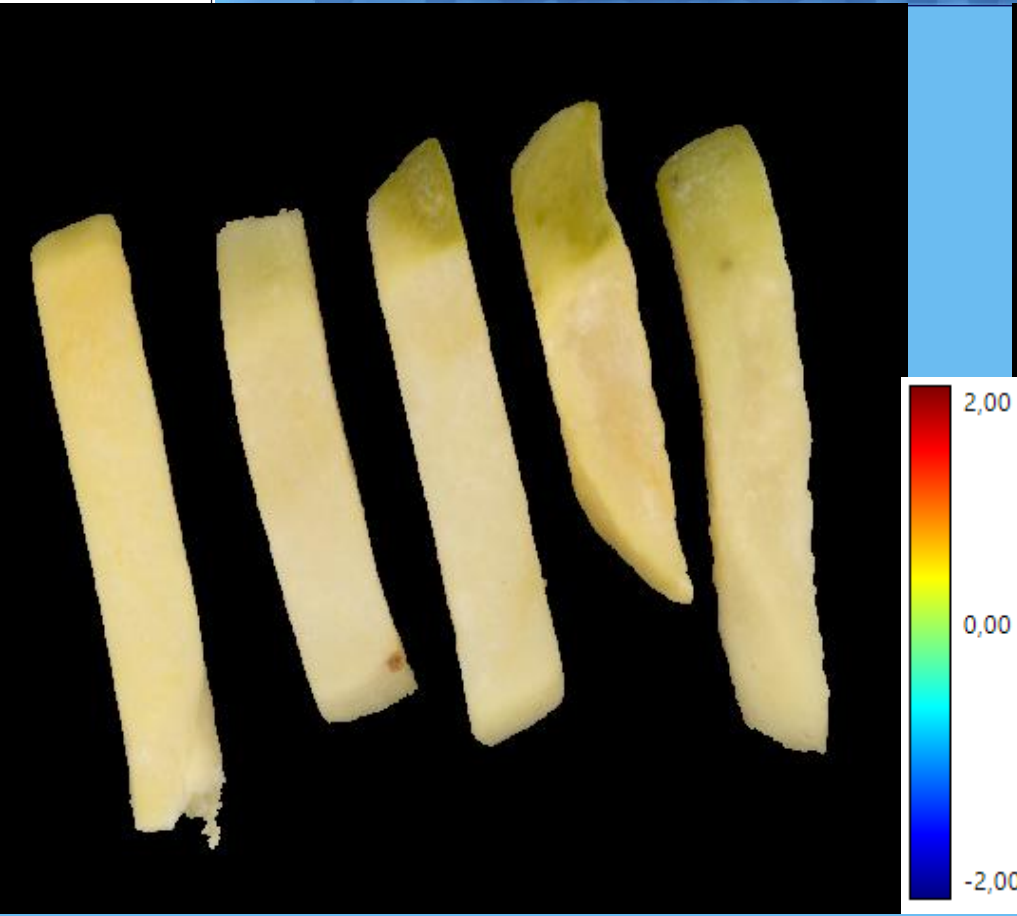


Three strips with peel residues

Peel residue heat map made by nCDA



# Greenness detection



Two acceptable green left, and three defect green right

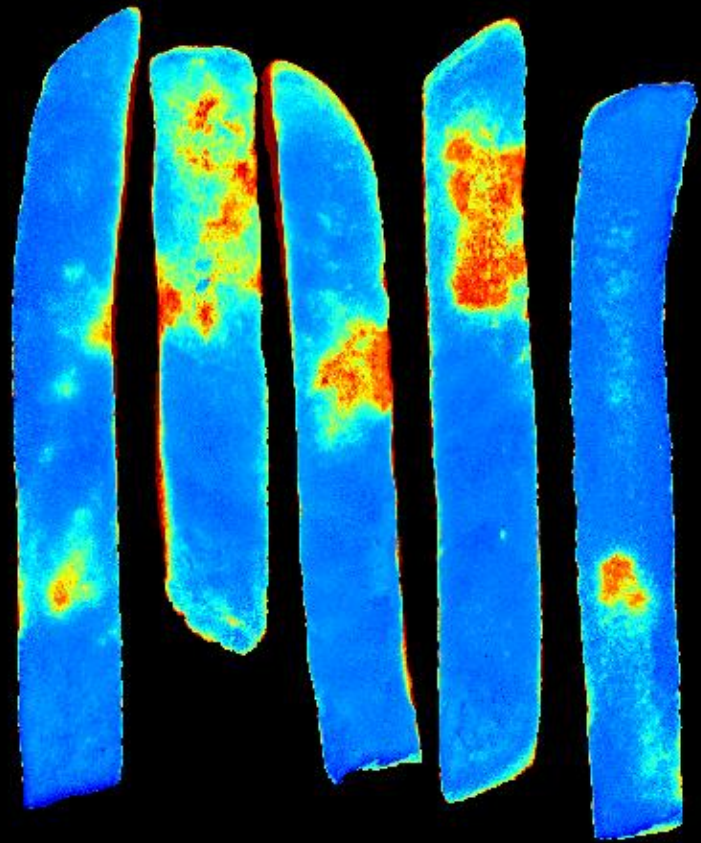
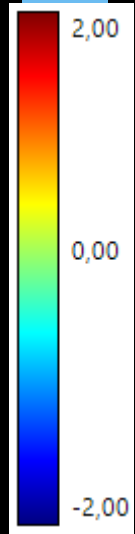
Greenness heat map made by nCDA



# Rusty detection



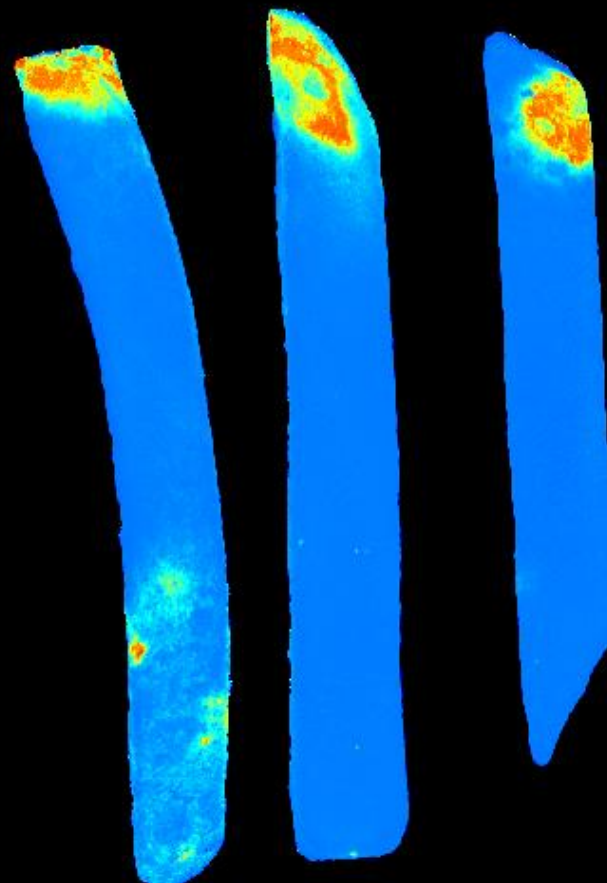
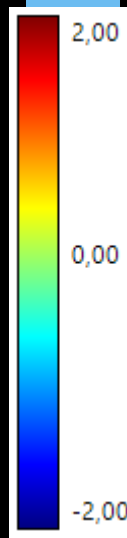
Five strips with rusty areas



Rusty heat map made by nCDA



# Dark bruises

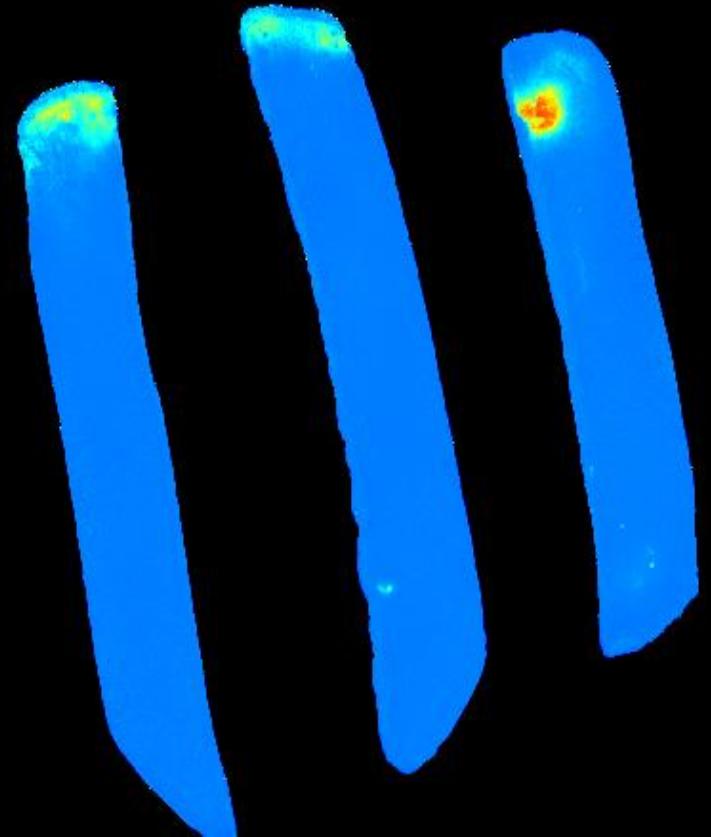
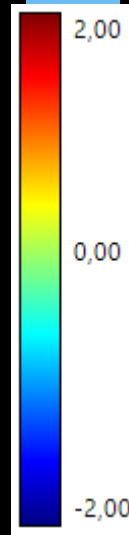


Three strips with dark bruises

Bruise heat map made by nCDA



# Light bruises



Three strips with light bruises

Bruise heat map made by nCDA



# Building strip database


Blob Tool

File Database

Blob Features:

- Area (mm<sup>2</sup>): 710,8193
- BetaShape\_a: 1,04654
- BetaShape\_b: 1,032297
- CIE Lab A\*: 2,7882
- CIE Lab B\*: 27,30221
- CIE Lab L\*: 82,54986
- Compactness Circle: 0,129385
- Compactness Ellipse: 0,9311696
- Hue: 1,469026
- Length (mm): 76,46084
- RatioWidthLength: 0,1540456
- Saturation: 27,44421
- Vertical Orientation: 0,03405094
- Vertical Skewness: -0,01178975
- Width (mm): 11,77846

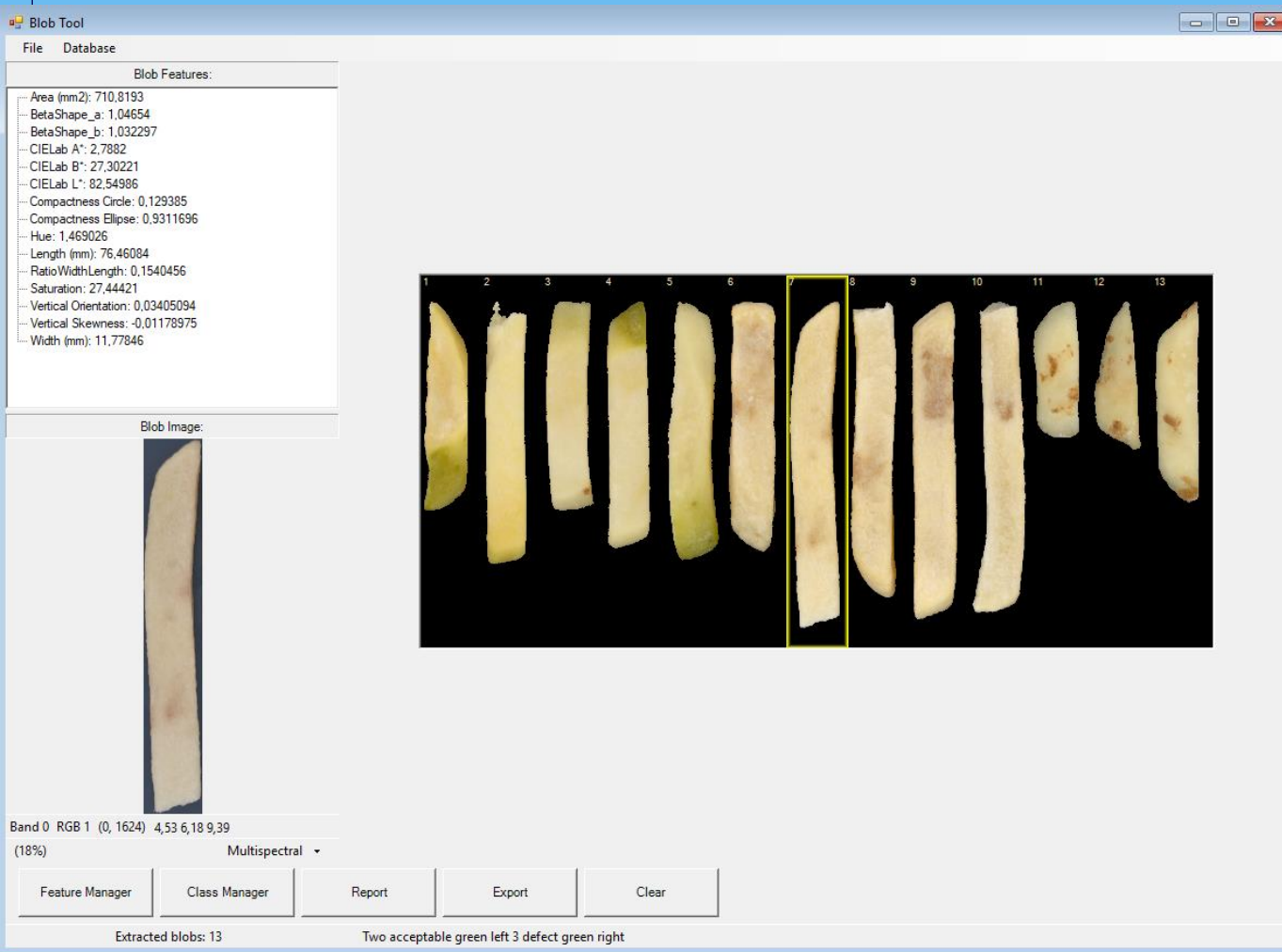
Blob Image:



Band 0 RGB 1 (0, 1624) 4,53 6,18 9,39  
(18%) Multispectral ▾

Feature Manager Class Manager Report Export Clear

Extracted blobs: 13 Two acceptable green left 3 defect green right



Strip size, shape, color, defects etc. may be calculated and compared for the entire population of strips.

