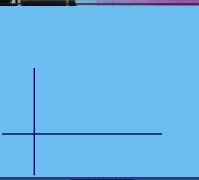
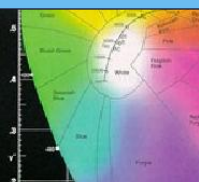
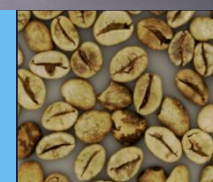
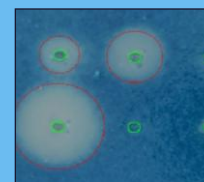


Spectral Vision Technology for Paper Analysis

Videometer A/S



For more information contact:

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VideometerLab 2

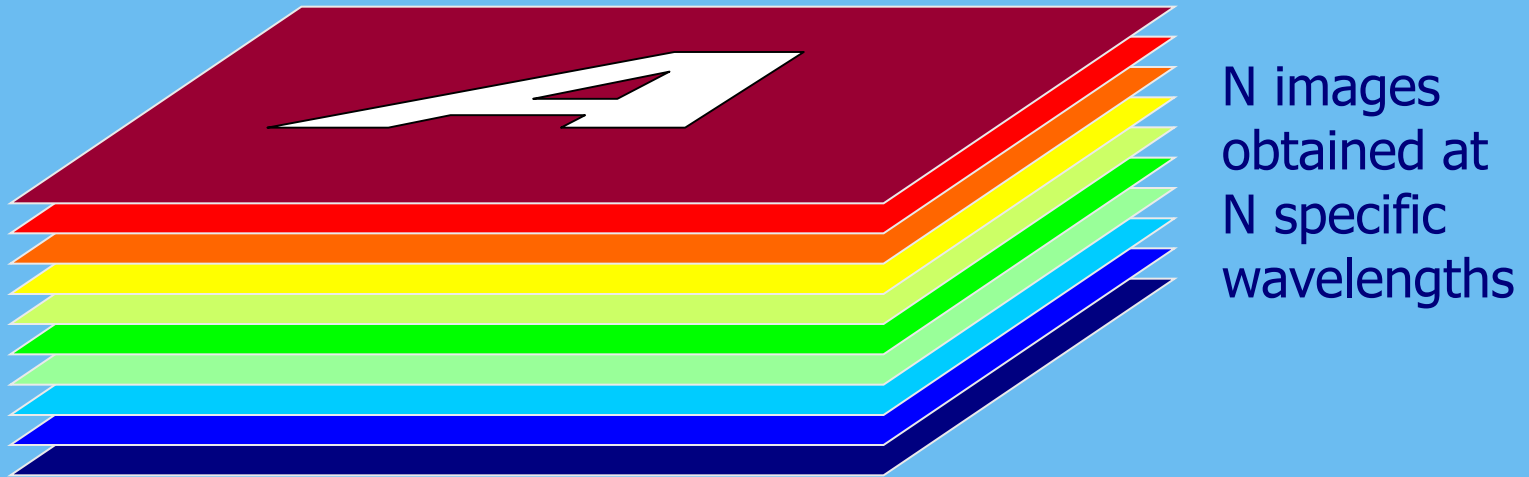
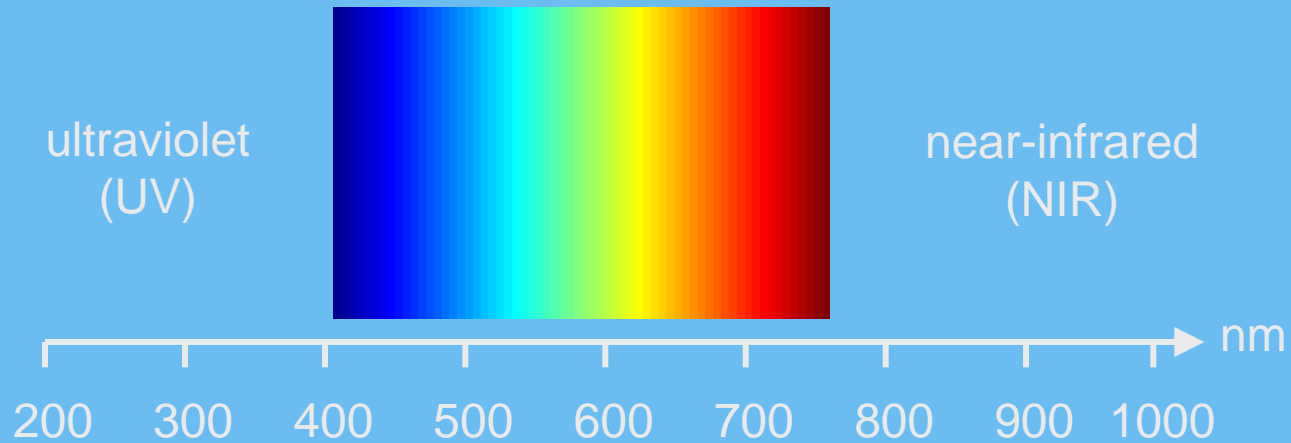
Laboratory device for spectral imaging



- 18-20 spectral bands in the range 360 nm to 1050 nm
- 1200×1200 or 2056 ×2056 pixels per band
- Very homogeneous and diffuse illumination
- Strobed LED light source
- 10 seconds per sample including handling
- Optional backlight strobe
- Software for calibration, acquisition, and analysis
- Patented technology

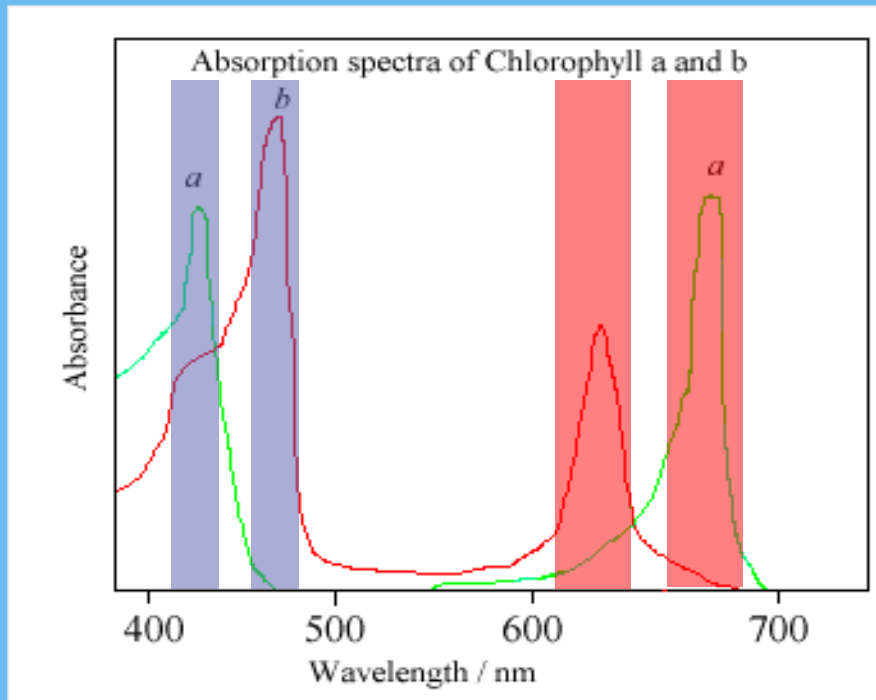


Spectral Imaging



Spectral Imaging

Using specific wavelengths then chlorophyll a and b can easily be distinguished



Chl.A	low	high	high	low
Chl.B	high	low	low	high



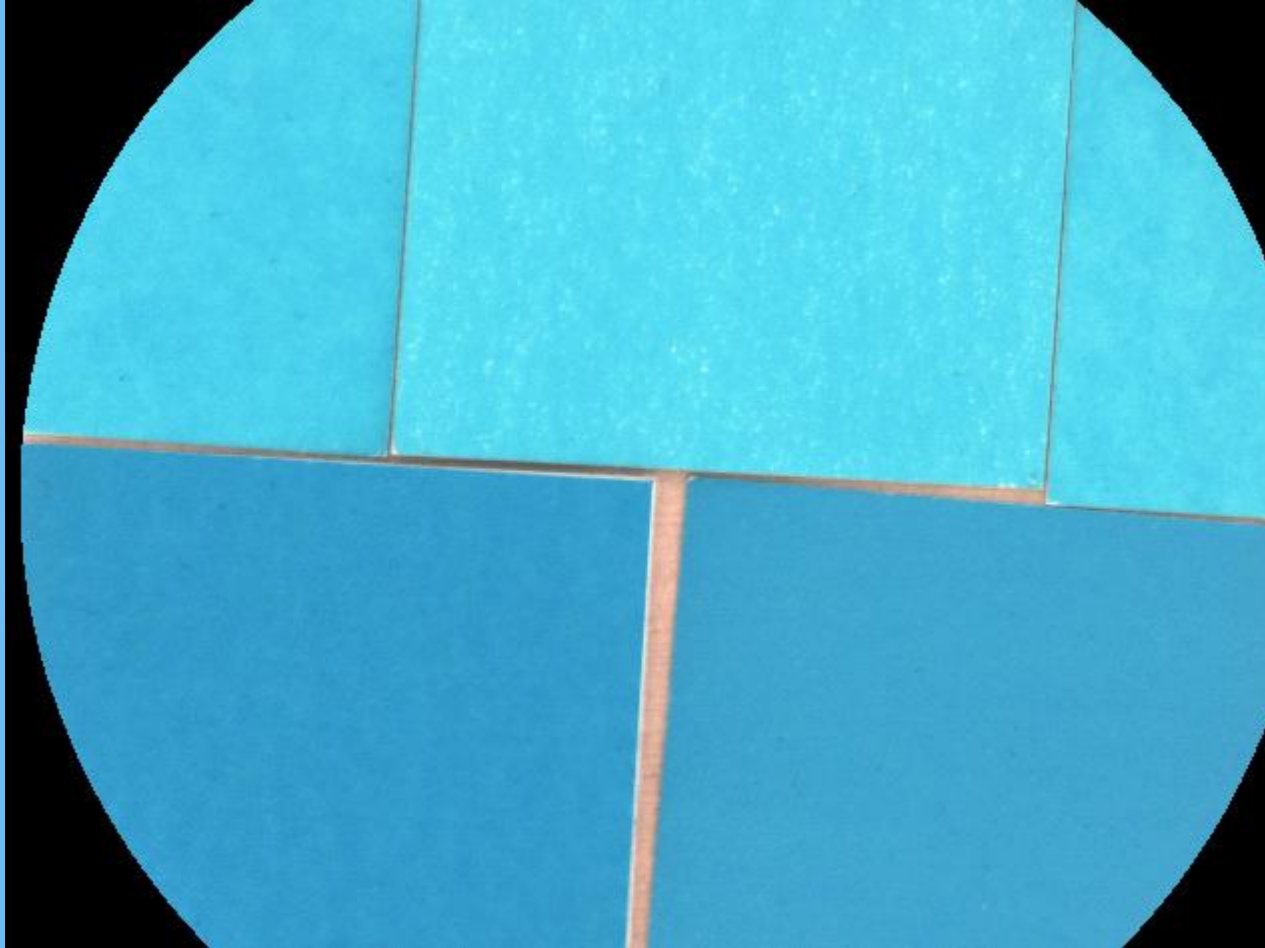
Multispectral measurements on paper

Measurement examples from the paper industry

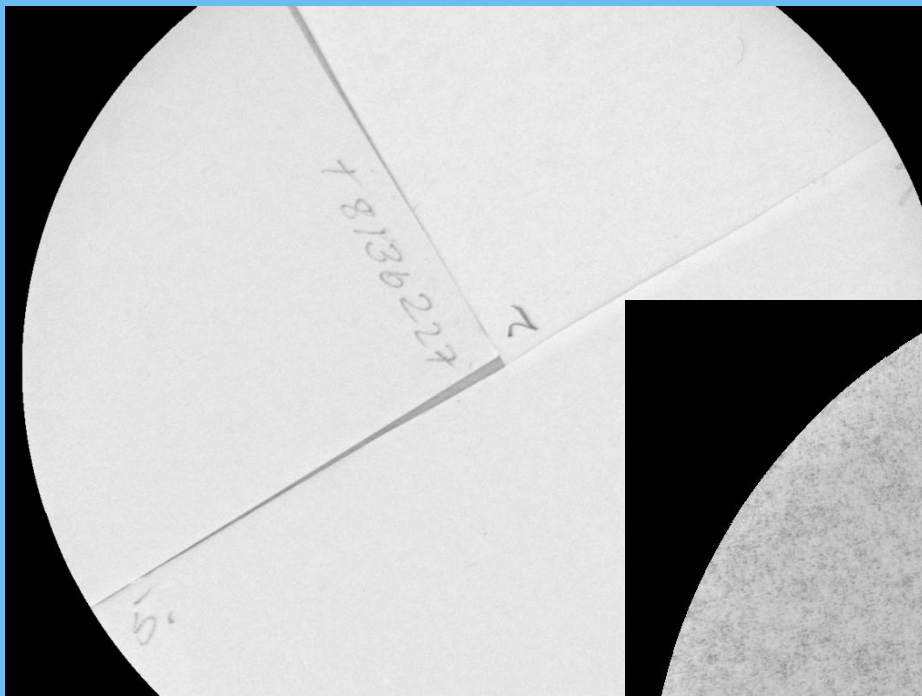
- Lightness
- Color
- Mottling
- Formation
- Dot counting
- Humidity maps
- Coatings
- Authenticity
- Measurements related to surface chemistry maps
- Measurements related to light scattering maps



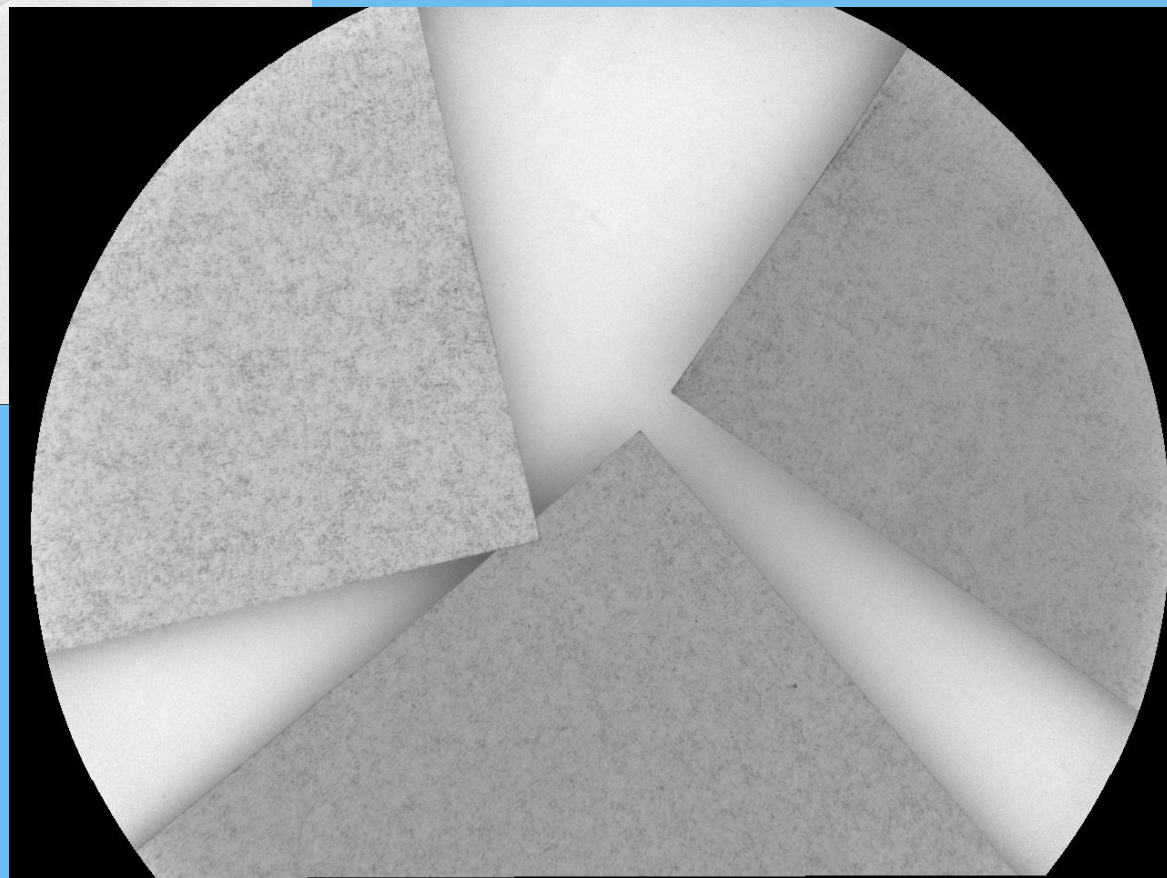
Mottle and color



Coating on superwhite paper



Three superwhite papers in visible band.

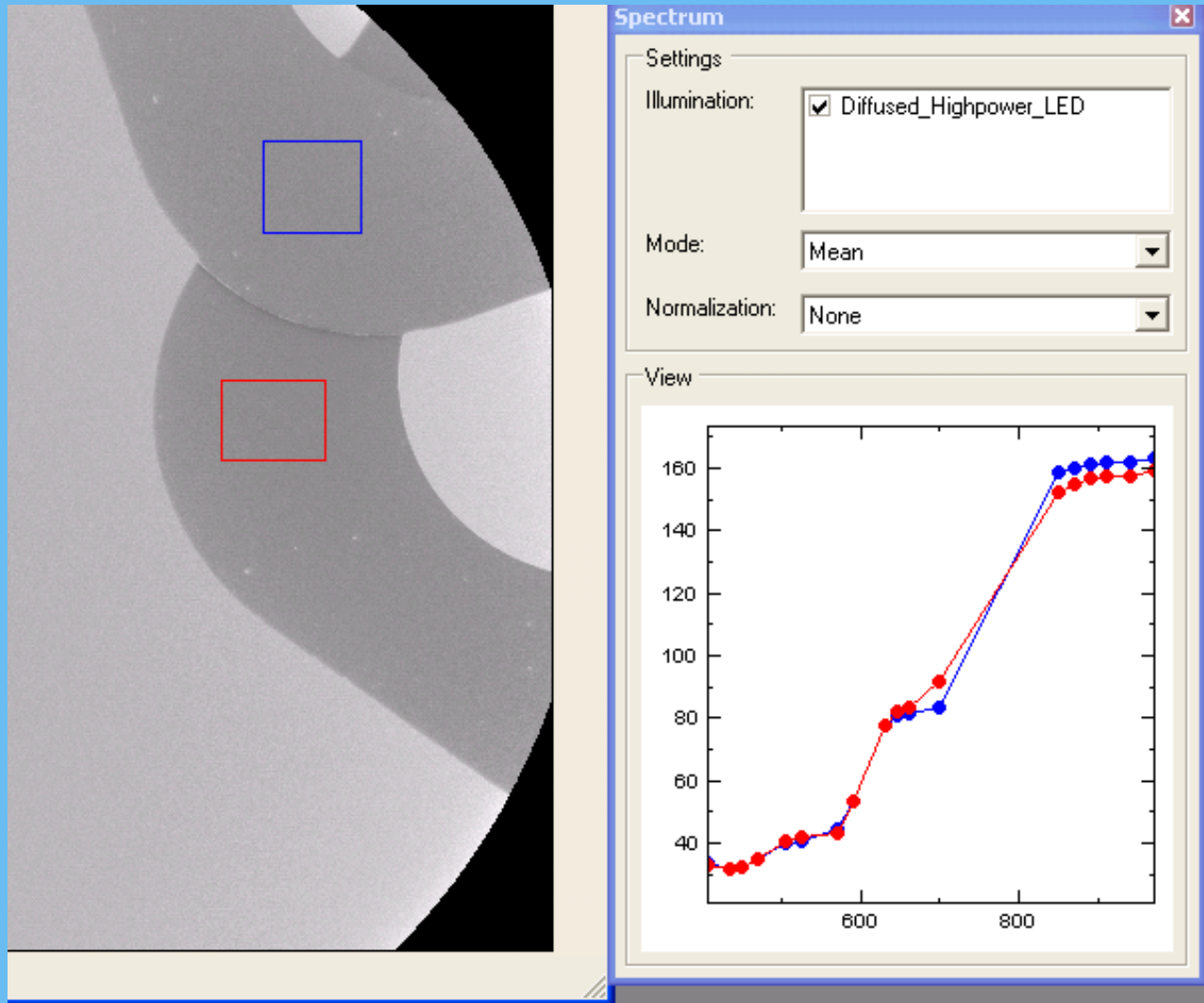


Multispectral
komponent of the
same three papers



Small color differences

Two similar skintones and their spectra



UV reflectance spectra of 60a and 60b.

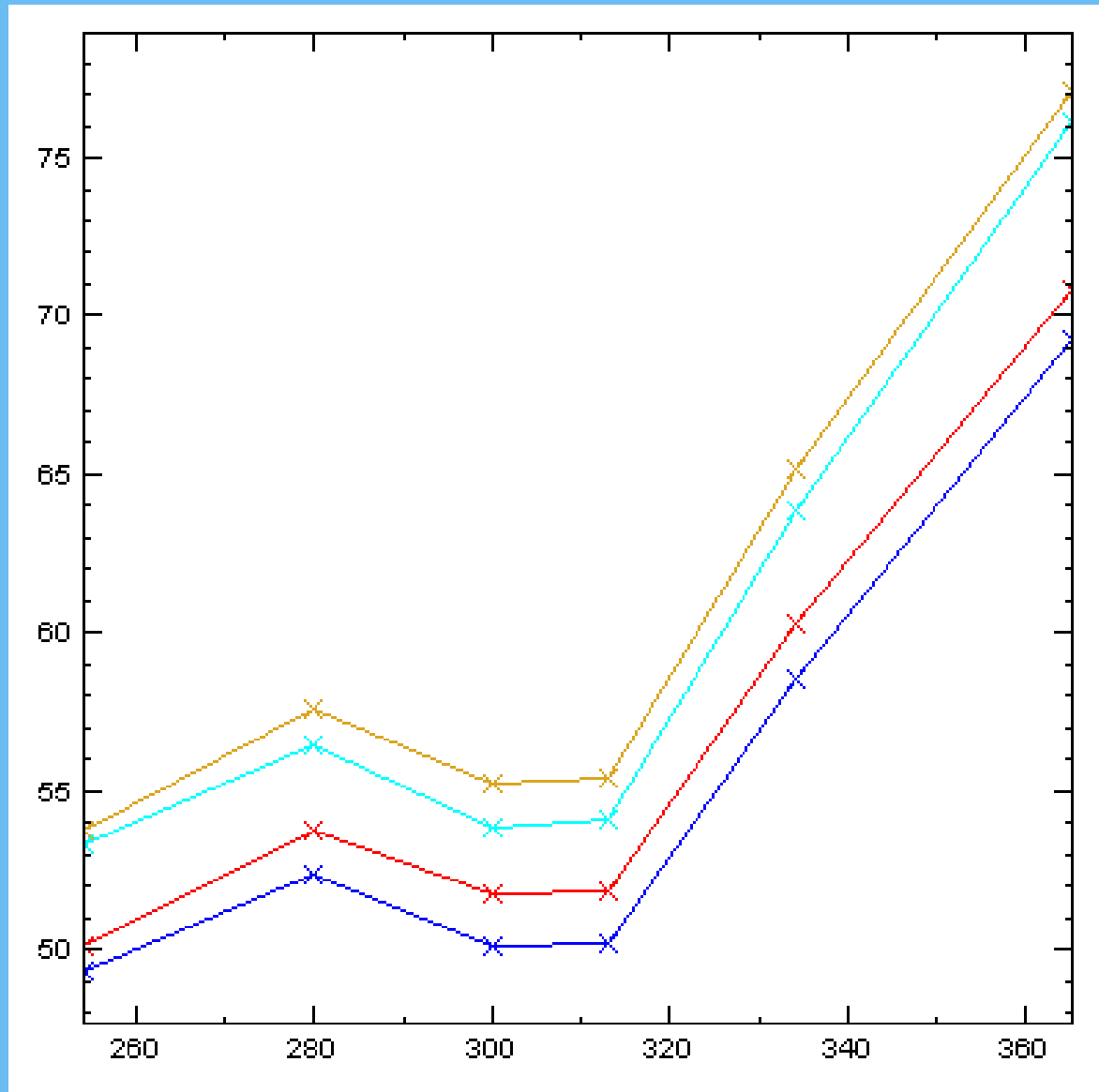
From above:

60b on white

60a on white

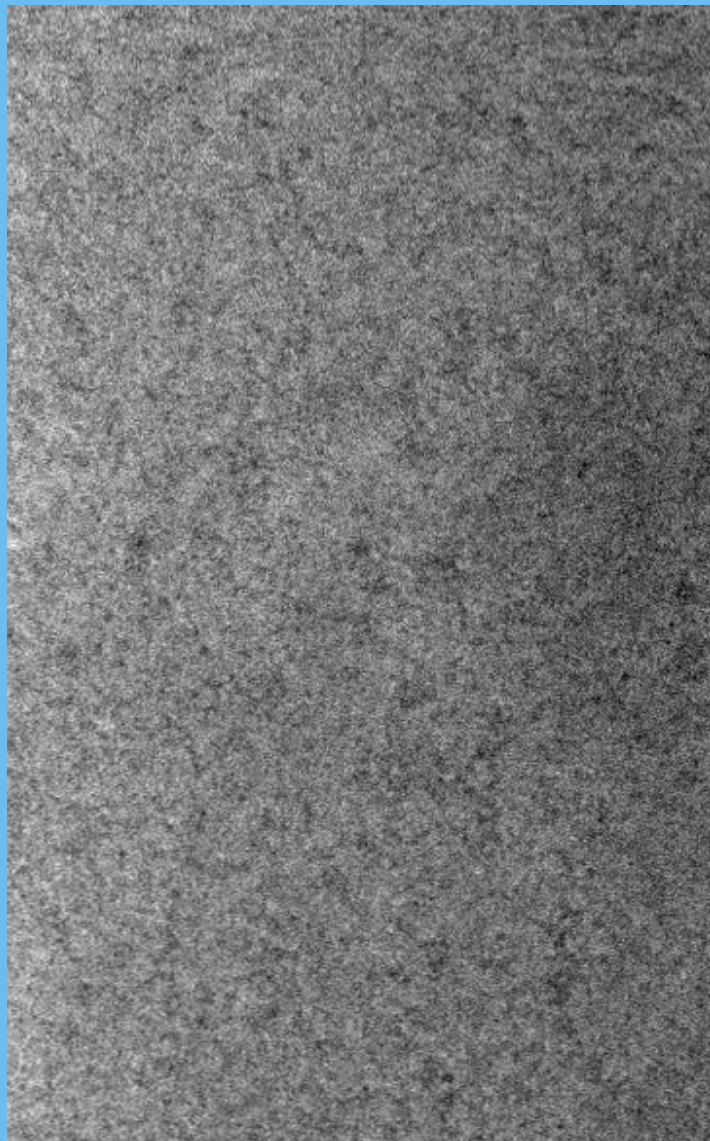
60b on black

60a on black

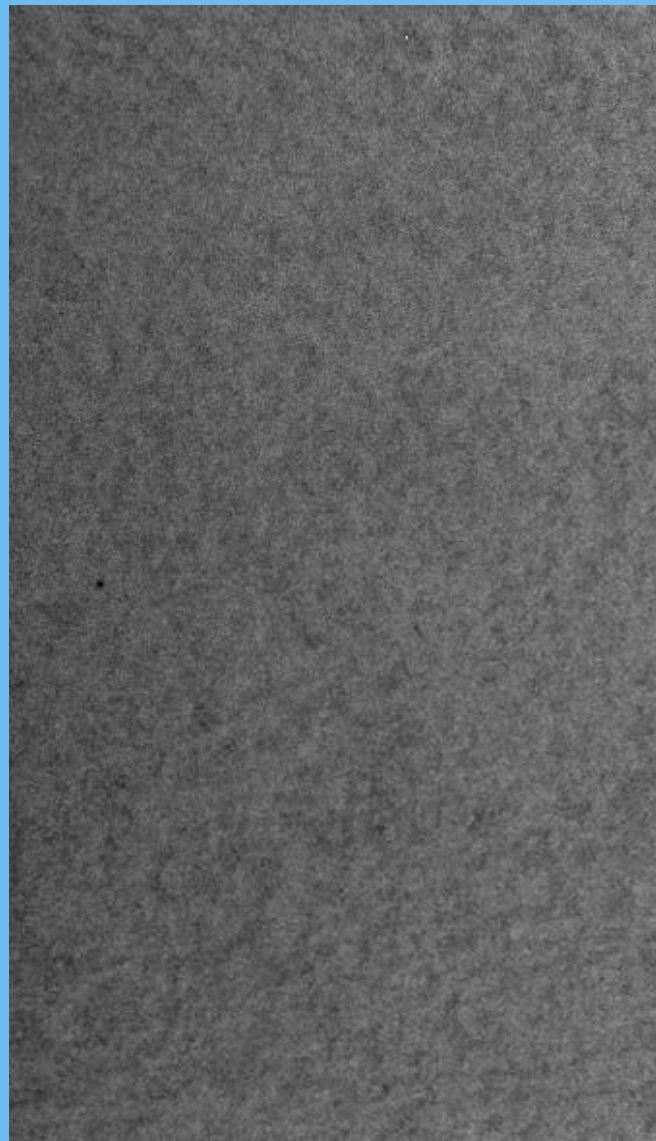


White paper (254 nm)

60a on black



60b on black



White paper

UV reflectance spectra of 80a and 80b.

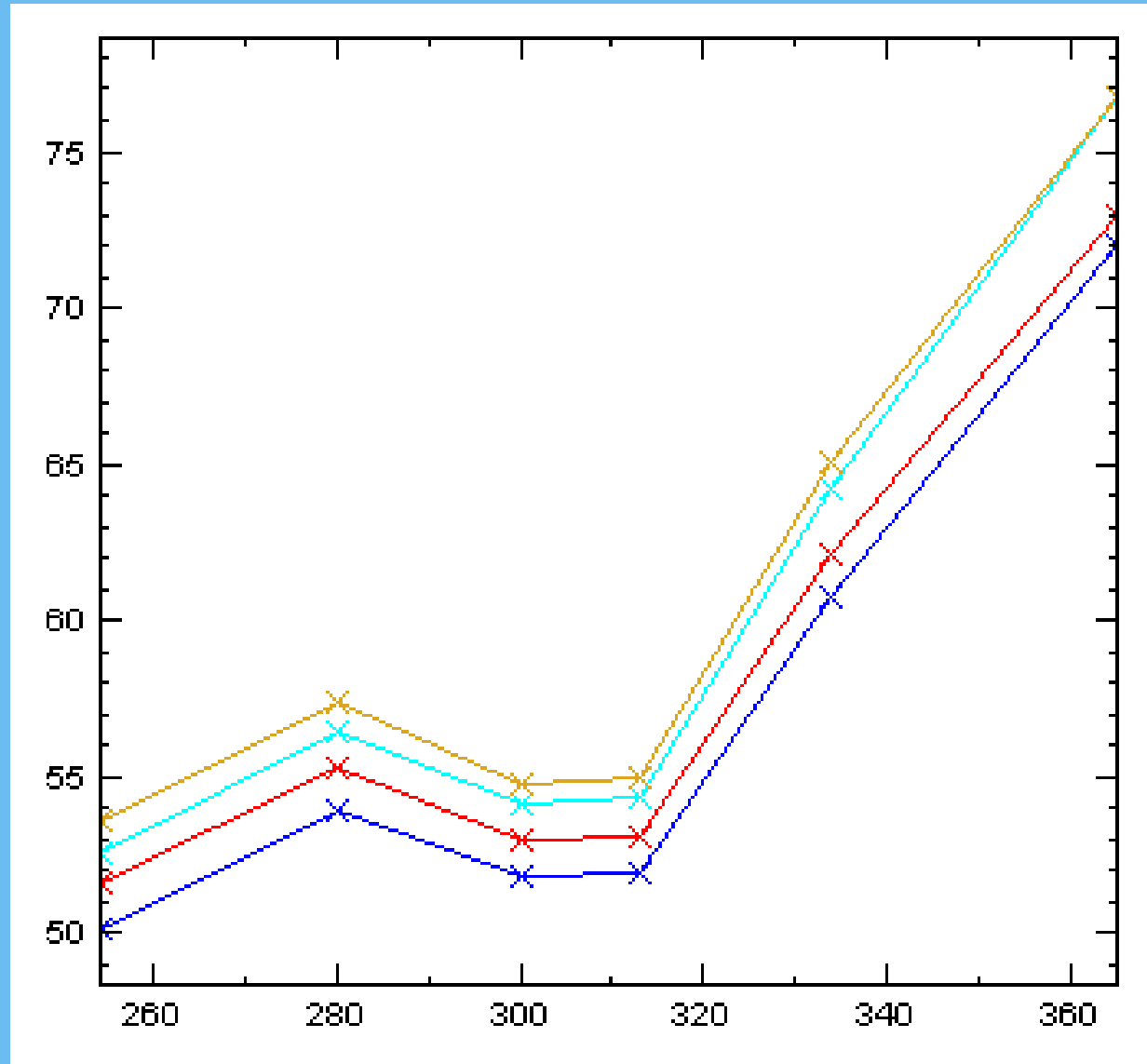
From above:

80b on white

80a on white

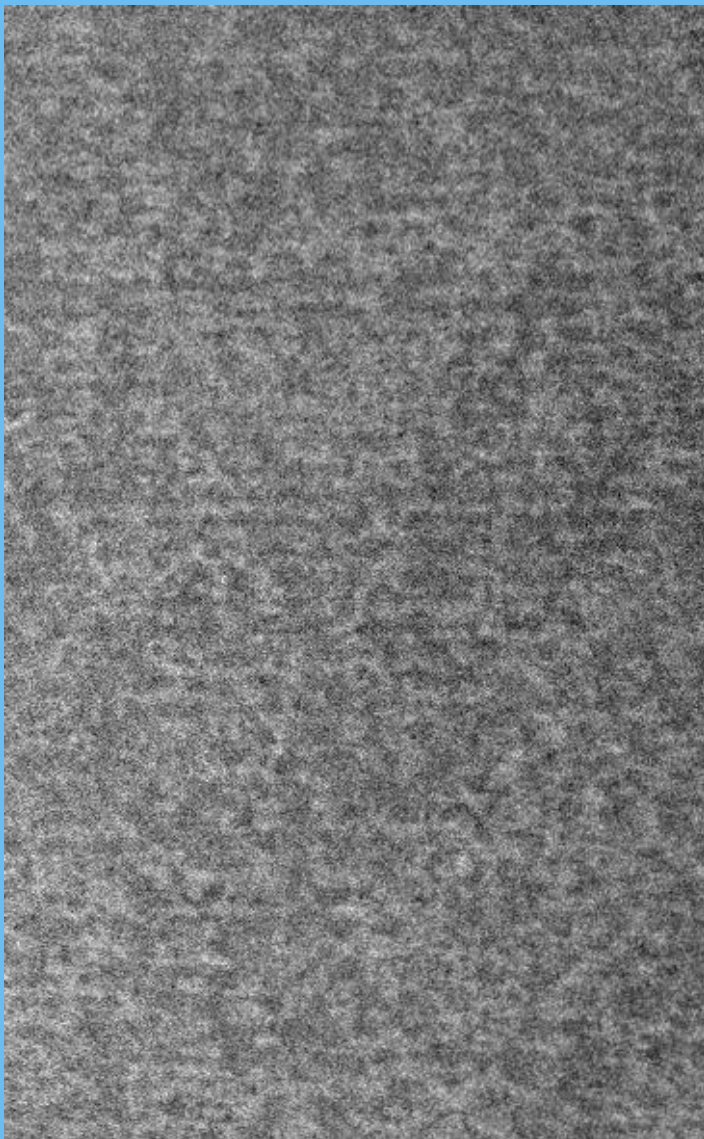
80b on black

80a on black

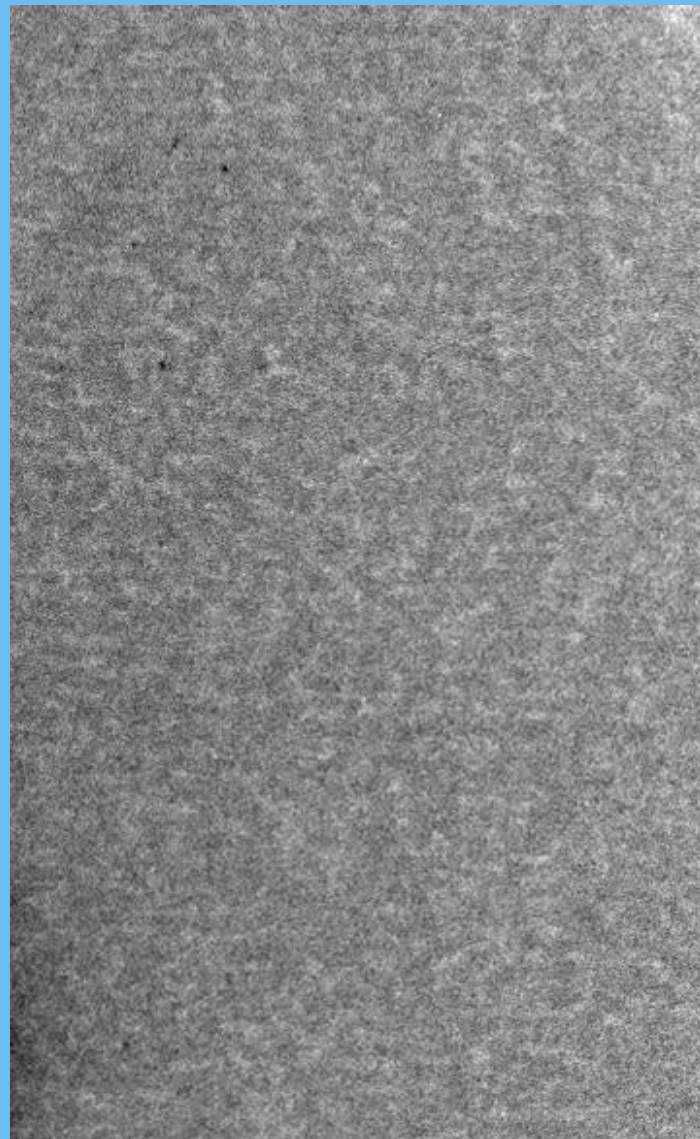


White paper (365 nm)

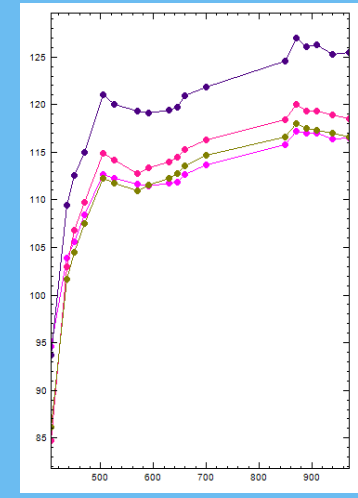
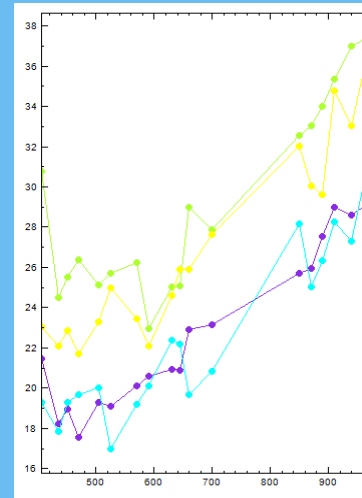
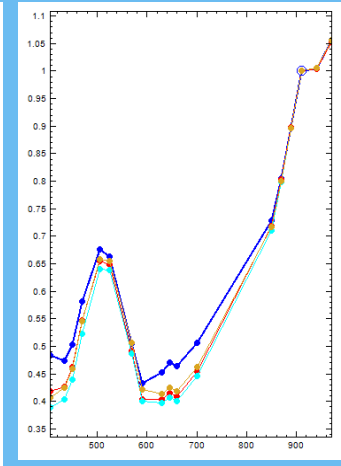
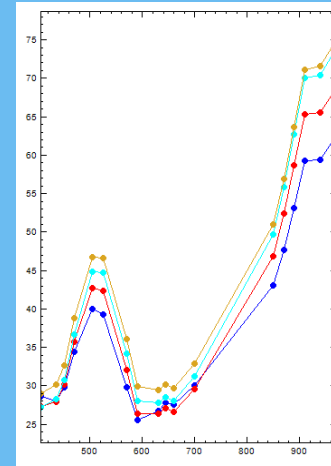
80a on black



80b on black



Stamps 4 four blocks



Norway no. 8



Norway no. 1

