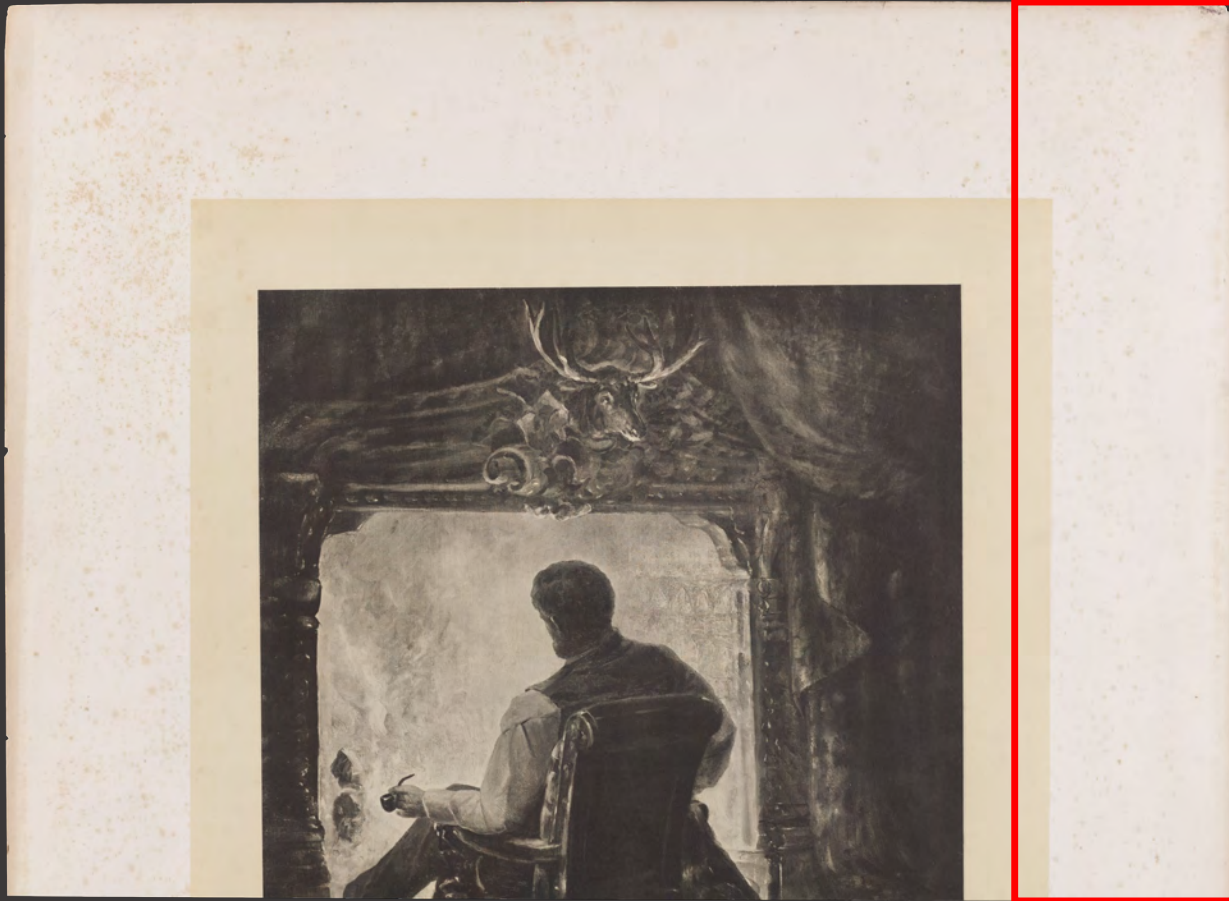


# FADING FOXING

SUNY BUFFALO STATE - ALLISON BREWER

Advisors: Dr. Aaron Shugar, Dr. Rebecca Ploeger, Theresa J. Smith, & Juan Juan Chen



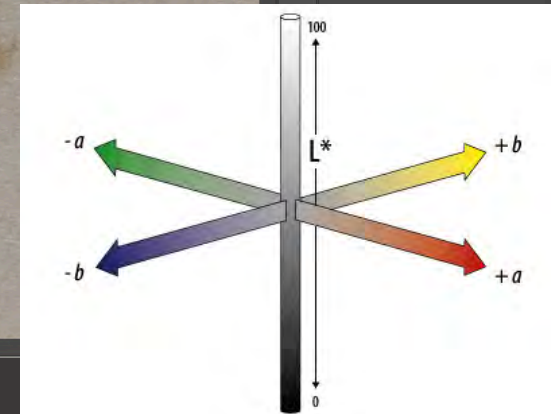
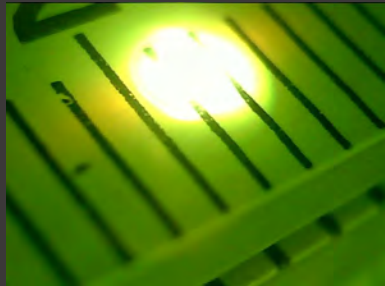
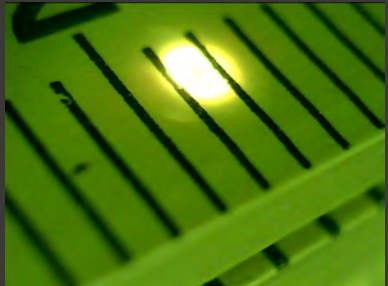
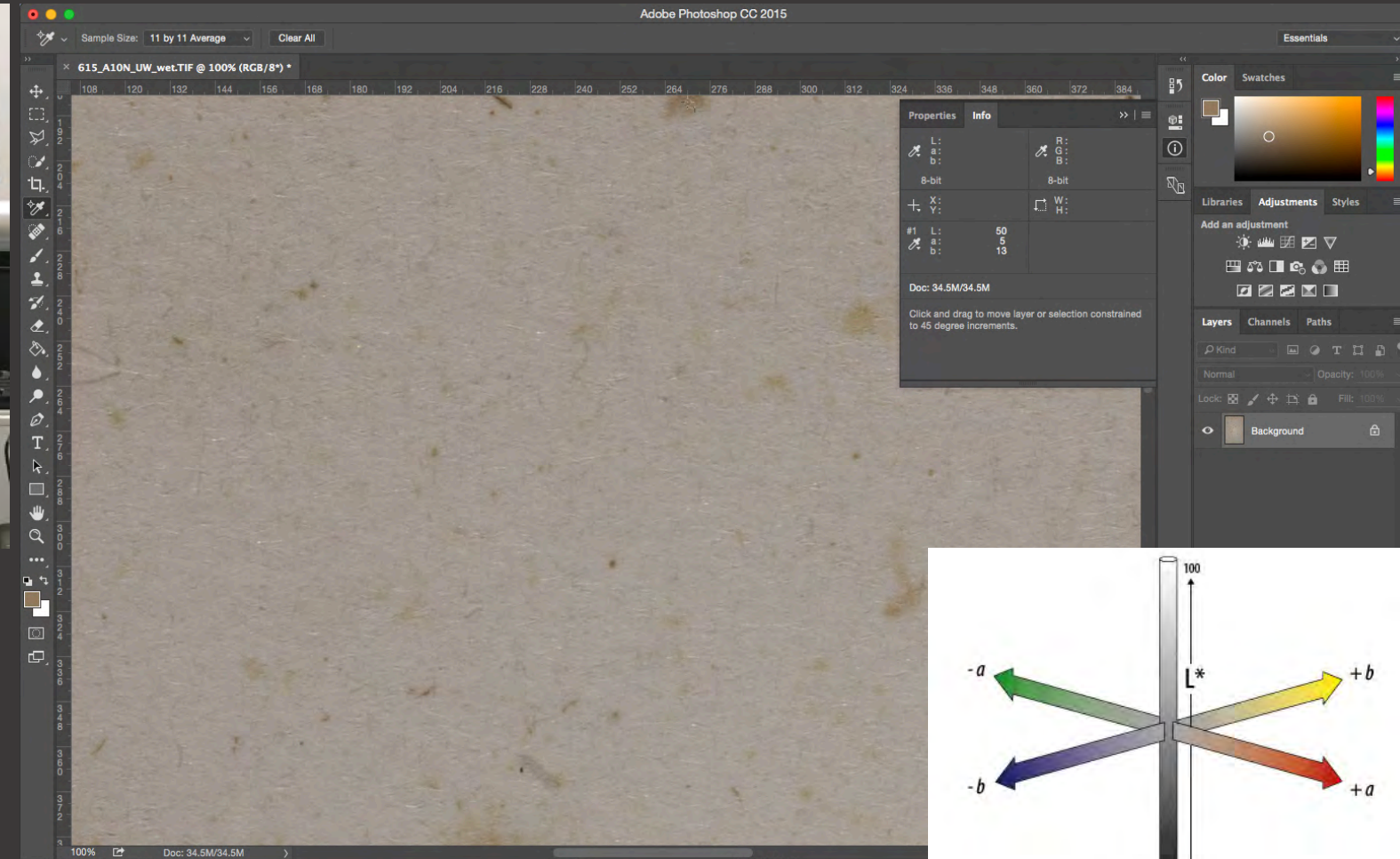
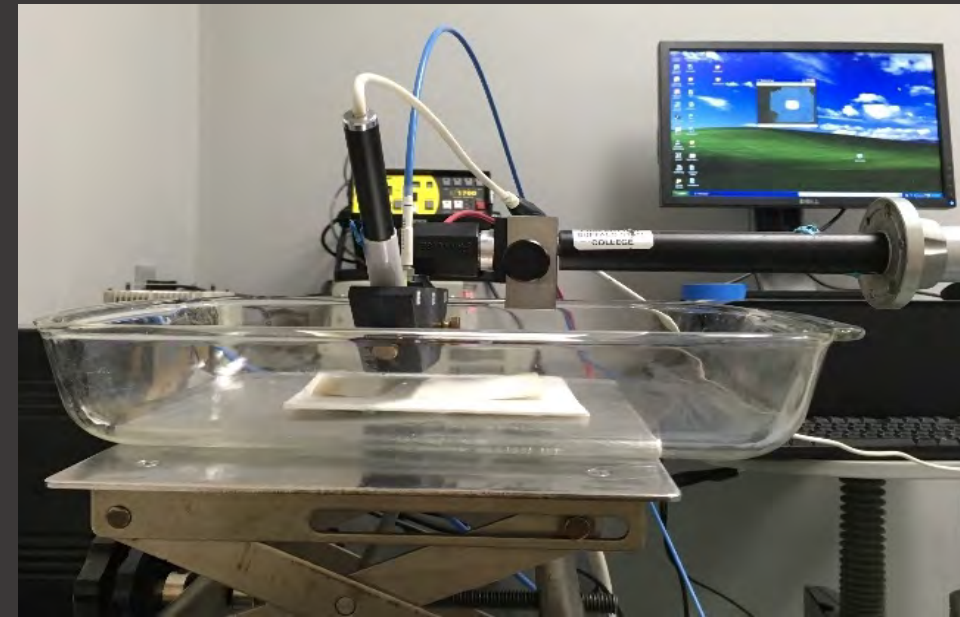
Unwashed Samples



**Left:** Foxed print with indicated area of where samples were taken. **Right:** Samples after testing.



# METHODS



**Above:** Setup with microfadeometer. **Below:** Variability in size of the beam from 1 mm (left) to 3 mm (right)

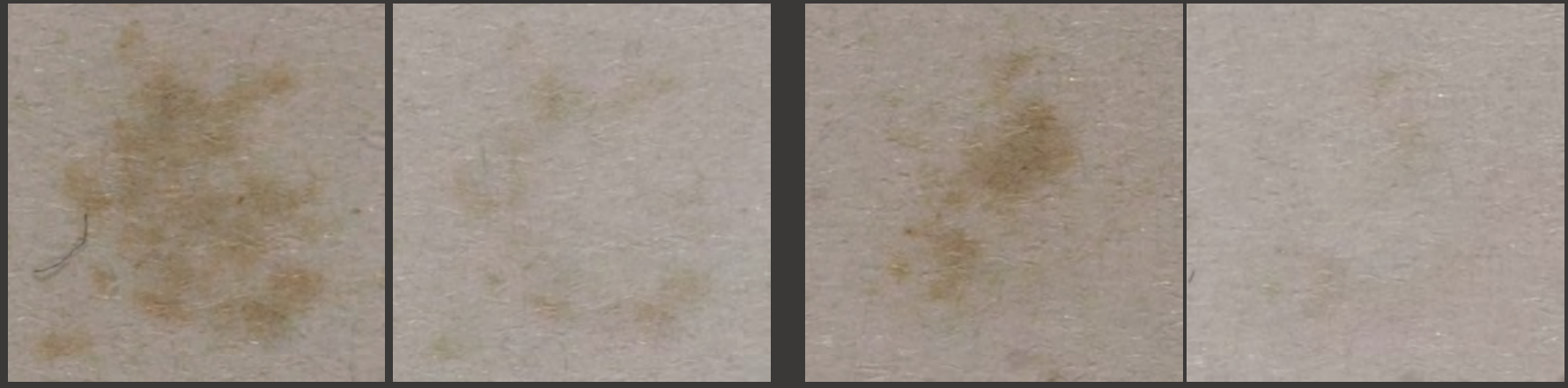
Process of using Adobe® Photoshop® to obtain CIE L\*a\*b\* color space values



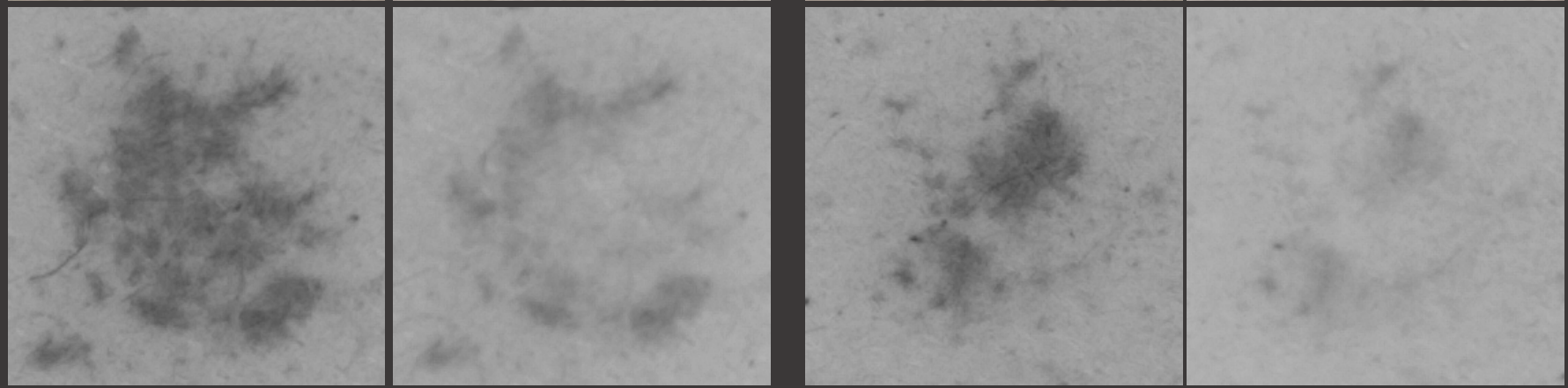
# RESULTS

## AREAS FROM WASHED AND EXPOSED WET SAMPLE

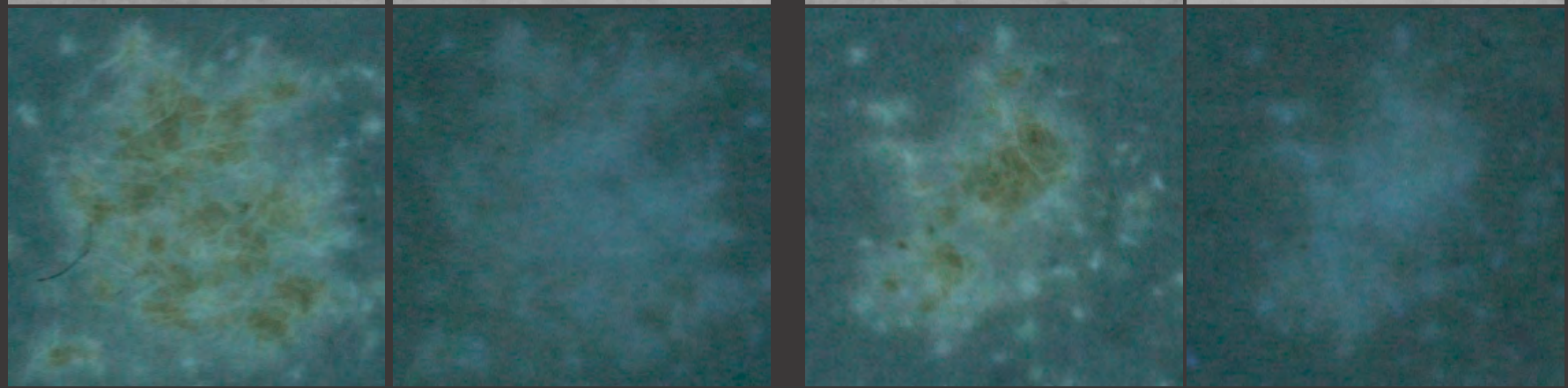
Normal Illumination



Reflected UVA



UVA Induced Visible Fluorescence



Before

After

Before

After

