

Mirror Images

PERFORMING A FORMAT MIGRATION OF
KODAK PHOTOCD FILES

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Digitized photo collections



“Girl,” c. 1840-1860, *photographer unknown* - daguerreotype from the Harrison D. Horblit Collection of Early Photography, Houghton Library, Harvard University

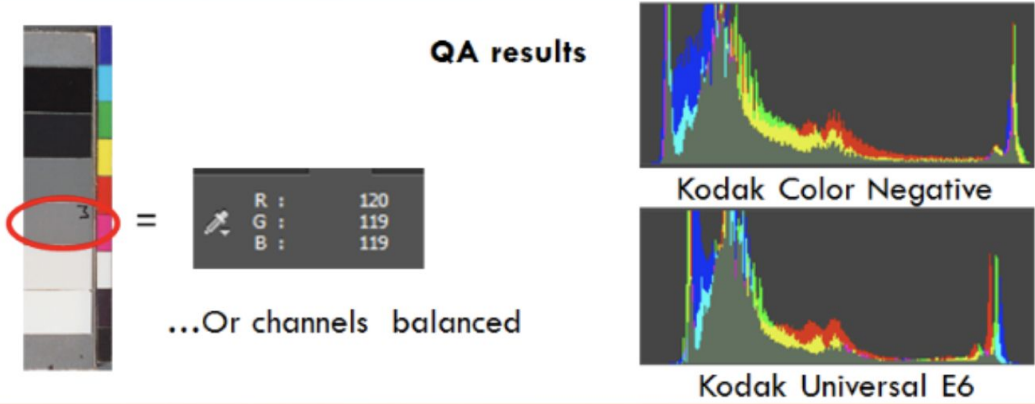


“Mixed Picea-deciduous forest in Sichuan Sheng,” 1998, *Richard H. Ree* - 35mm photograph from the Ree Collection at the Arnold Arboretum Horticultural Library



Migration and format analysis

Check color balance in the presence of color bars. Compare gamut of histograms to find best range



QA results


R :	120
G :	119
B :	119

...Or channels balanced

Kodak Color Negative

Kodak Universal E6

Noting subtle differences – though seemingly similar, different film terms produce slightly different results



Kodak 4050 E-6 Color Profile

Kodak 4050 K-14 Color Profile

Screen capture of segment of Joey Heinen's capstone poster for NDSR Residency, 2015



Migration plan

Current object

PhotoCD file (Preservation file)

TIFF file (Production copy)

JPEG (Multiple deliverable files)

XML file (METS metadata file)



Migration plan

Current object

PhotoCD file (Preservation file)

~~**TIFF file** (Production master)~~

JPEG (Multiple deliverable files)

XML file (METS metadata file)



New object

JPEG 2000 (Production and Deliverable file)

PhotoCD file (kept as legacy Preservation file)

JPEG (Deliverable file - only thumbnails retained)

XML file (METS metadata file)



Impact

- Higher integrity, more sustainable production files
- More functionality in production and deliverable files
- Significantly smaller storage footprint



Thank you!

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