Aerial Photography Field Office—Scaled Variations Artifact Book

CDRL A002
SUBMITTED UNDER GSA Contract Number GS-23F-0284M, SIN 871_2

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Engineered for life

Noise

σ for [R,G,B]=[12.12,12.15,11.90]

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Noise

σ for [R,G,B]=[2.57,2.97,2.38] **(Target)**

σ for [R,G,B]=[6.41,6.67,6.46]

σ for [R,G,B]=[12.12,12.15,11.90]

σ for [R,G,B]=[18.41,18.58,18.63]

Sharpness

RER = 0.343

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Sharpness

RER = 0.910 **(Target)**

RER = 0.518

RER = 0.343

RER = 0.251

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Shadow Clipping

2.19% clipped pixels

Shadow Clipping

0% clipped pixels **(Target)**

1.14% clipped pixels

2.19% clipped pixels

3.18% clipped pixels

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Highlight Clipping

2.04% clipped pixels

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Highlight Clipping

0% clipped pixels **(Target)**

0.95% clipped pixels

2.04% clipped pixels

2.92% clipped pixels

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Overall Clipping

2.29% clipped pixels

Overall Clipping

0% clipped pixels **(Target)**

1.28% clipped pixels

2.29% clipped pixels

3.14% clipped pixels

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Low Contrast

Contrast = 113

Low Contrast

Contrast = 164

Contrast = 143

Contrast = 113

Contrast = 79

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High Contrast

Contrast = 188

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High Contrast

Contrast = 164

Contrast = 169 **(Target)**

Contrast = 188

Contrast = 204

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Low Saturation

Saturation = 0.07

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Low Saturation

Saturation = 0.09 **(Target)**

Saturation = 0.07

Saturation = 0.04

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High Saturation

Saturation = 0.11

High Saturation

Saturation = 0.09 **(Target)**

Saturation = 0.11

Saturation = 0.15

Color Channel Registration

2 pixel shift in the green channel

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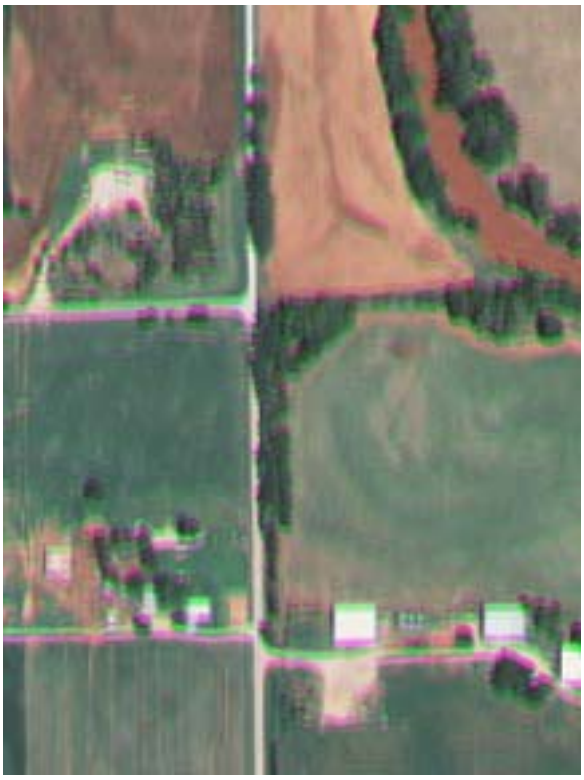
Color Channel Registration

0 pixel shift in the green channel **(Target)**

1 pixel shift in the green channel

2 pixel shift in the green channel



3 pixel shift in the green channel

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