

Unprocessed, QF = 95

$$I_1 = \text{JPEG}_{\text{QF}=95}(I_0)$$



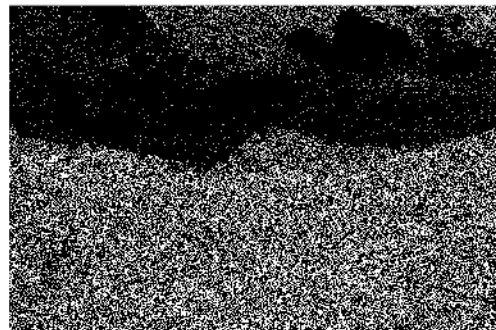
Opened, Kernel index = 35

$$I'_1 = I_1 \circ K_{35}$$



Difference image (shown in log)

$$I_1^{\text{diff}} = |I'_1 - I_1|$$



Dilation, Kernel index = 35, QF = 95

$$I_2 = \text{JPEG}_{\text{QF}=95}(I_0 \oplus K_{35})$$



Opened, Kernel index = 35

$$I'_2 = I_2 \circ K_{35}$$



Difference image (shown in log)

$$I_2^{\text{diff}} = |I'_2 - I_2|$$

