

Unprocessed, $QF = 95$

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



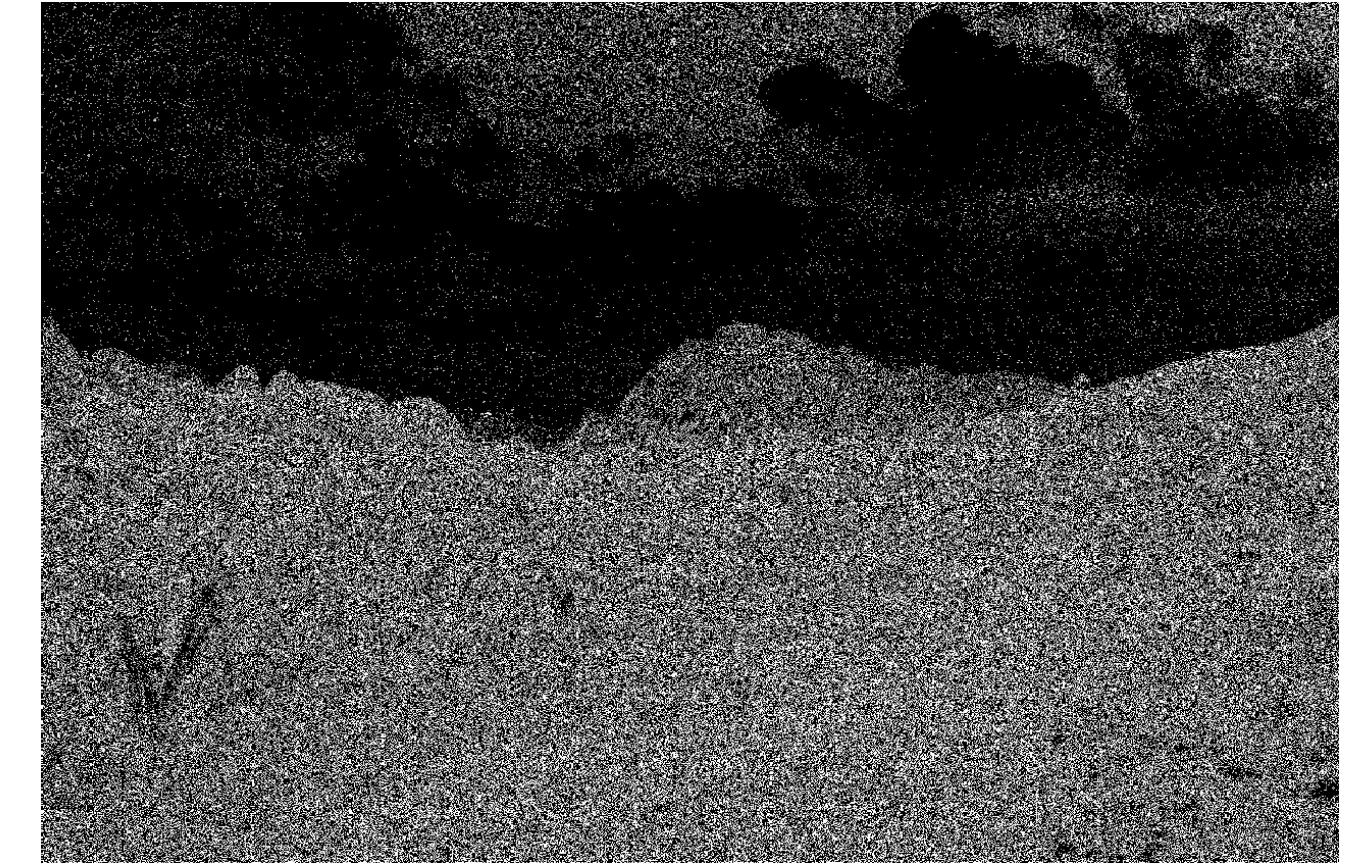
Opened, Kernel index = 35

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

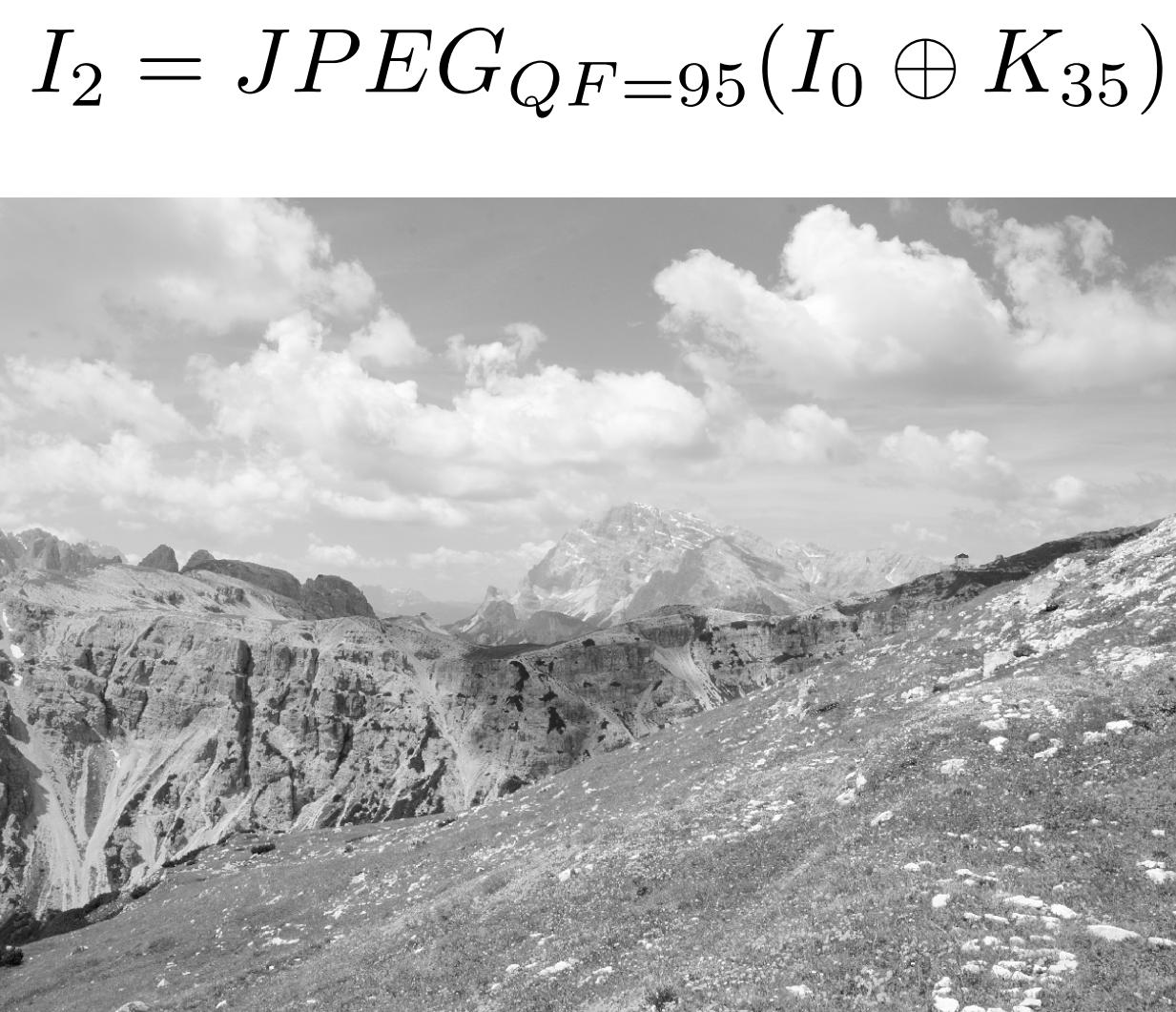


Difference Image (shown in Log)

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



Dilation, Kernel index = 35, $QF = 95$



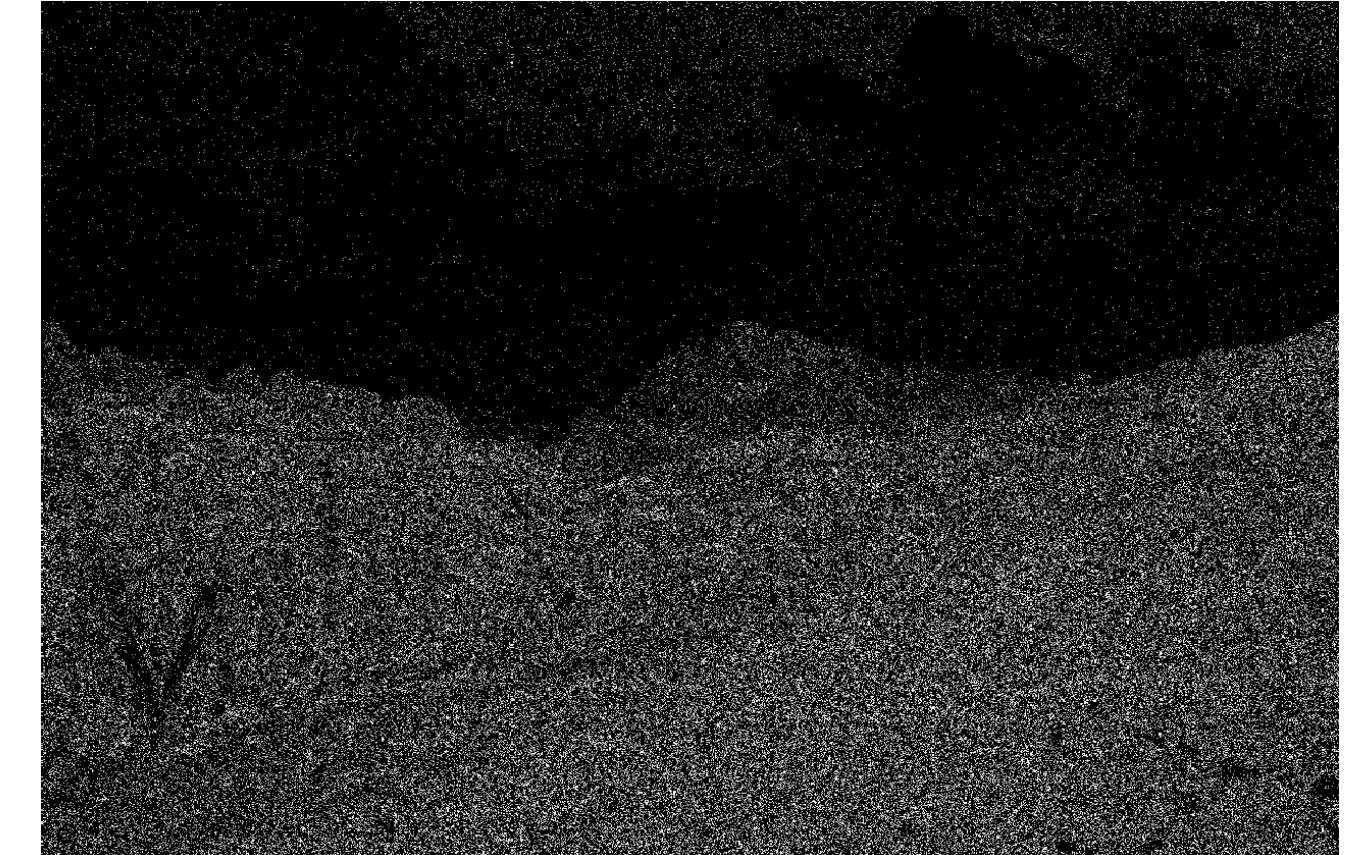
Opened, Kernel index = 35

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



Difference Image (shown in Log)

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



Histogram of Differences

