

# StegaStamp Watermarking Evaluation

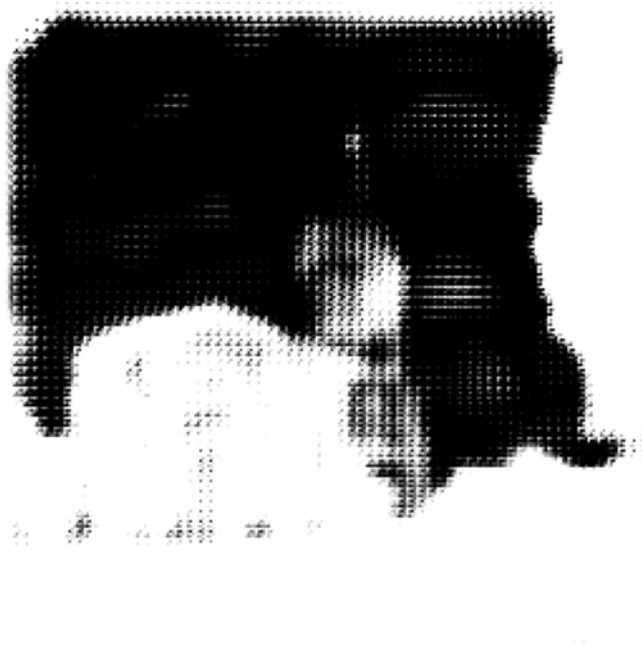
Original



Watermarked  
'0xBC4CA0EdA7'  
PSNR: 23.14 dB



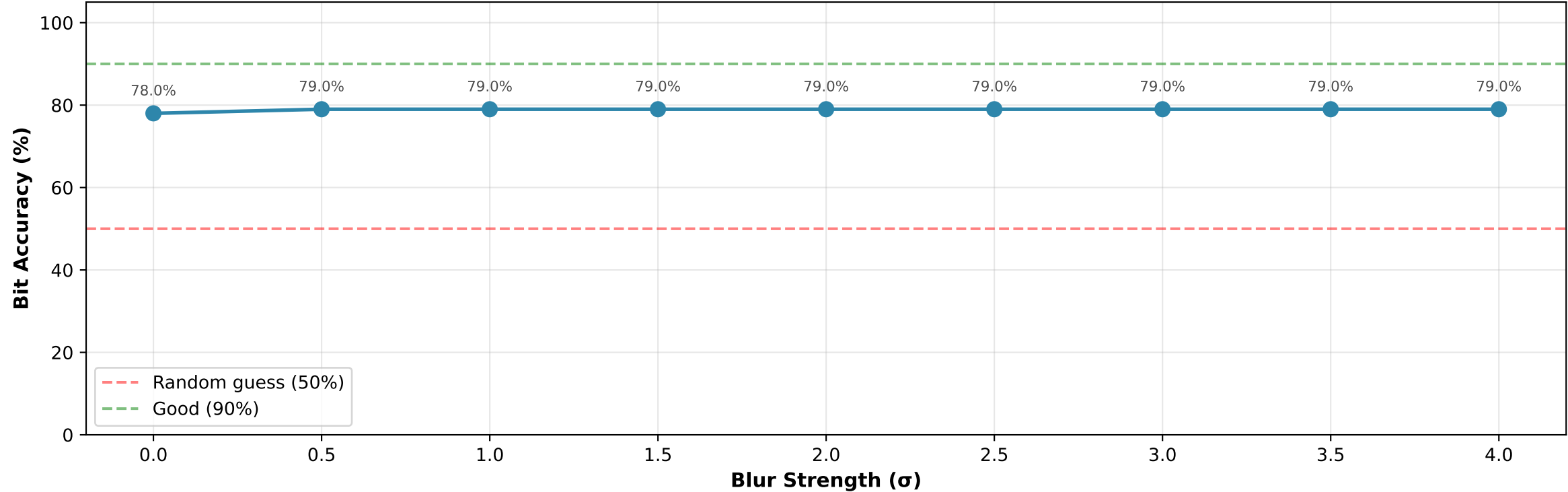
Residual (15x)  
Alpha: 0.206



After Blur Attack  
'0x00077C1100'  
Acc: 79.0%



Watermark Robustness vs Gaussian Blur Attack



RESIDUAL STATISTICS

Raw Values:  
Mean: 0.057331  
Std: 0.222934  
Min: -0.454  
Max: 0.381

Alpha: 0.2062  
After scaling ( $\alpha \times \tanh$ ):  
 $\alpha = 0.2033$

Image Impact:  
Mean change: 0.1198  
Max change: 0.2033

Pixels changed:  
>1%: 94.7%  
>10%: 58.7%