

Figure S1	Noise pattern modeling. A) Comparison between the original Sentinel-2 image and its denoised counterpart, demonstrating the effectiveness of the PD-Denoising model. B) The reflectance-to-noise matrix represents the log probability of noise occurrence as a function of pixel reflectance.
Figure S2	Spectral distribution comparisons across RGBNIR bands in the SEN2NAIP cross-sensor test subset. The orange line represents the Sentinel-2 reference, and the blue lines indicate the proposed degradation methods.

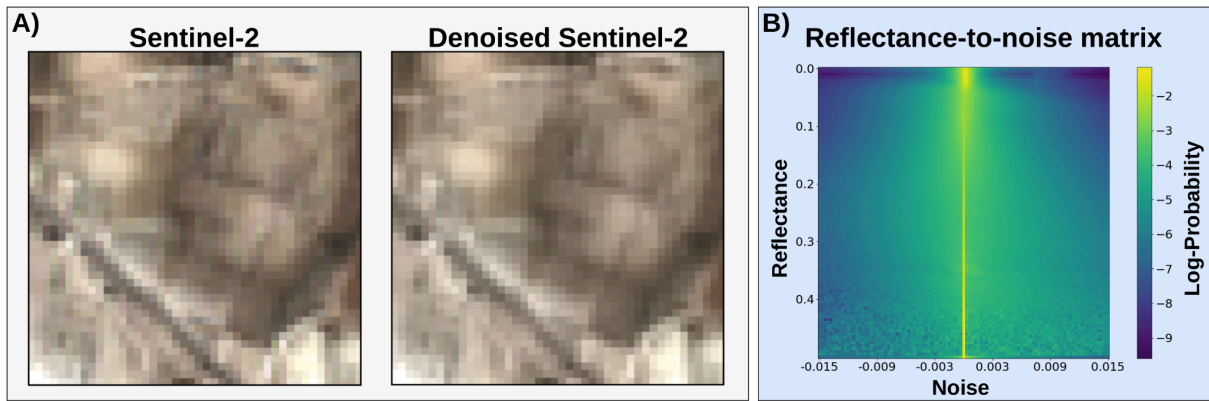


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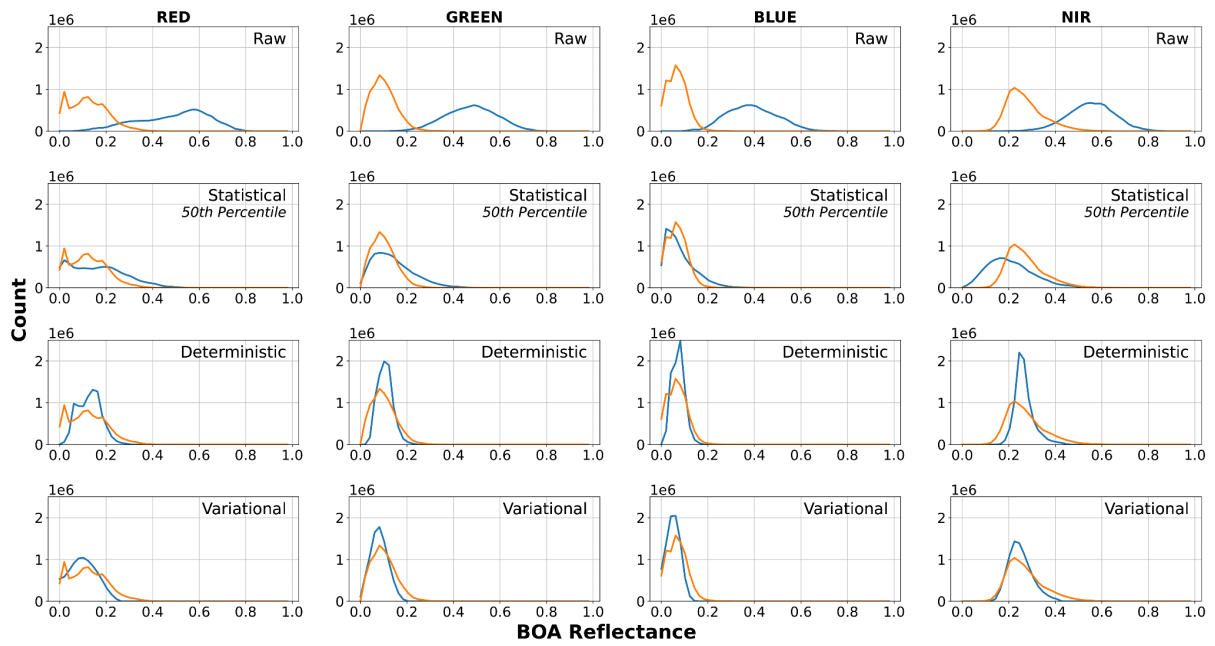


Figure S2 Spectral distribution comparisons across RGBNIR bands in the SEN2NAIP cross-sensor test subset. The orange line represents the Sentinel-2 reference, and the blue lines indicate the proposed degradation methods.