

Hyperspectral Image Denoising using Superpixels of Mean Band



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Motivation

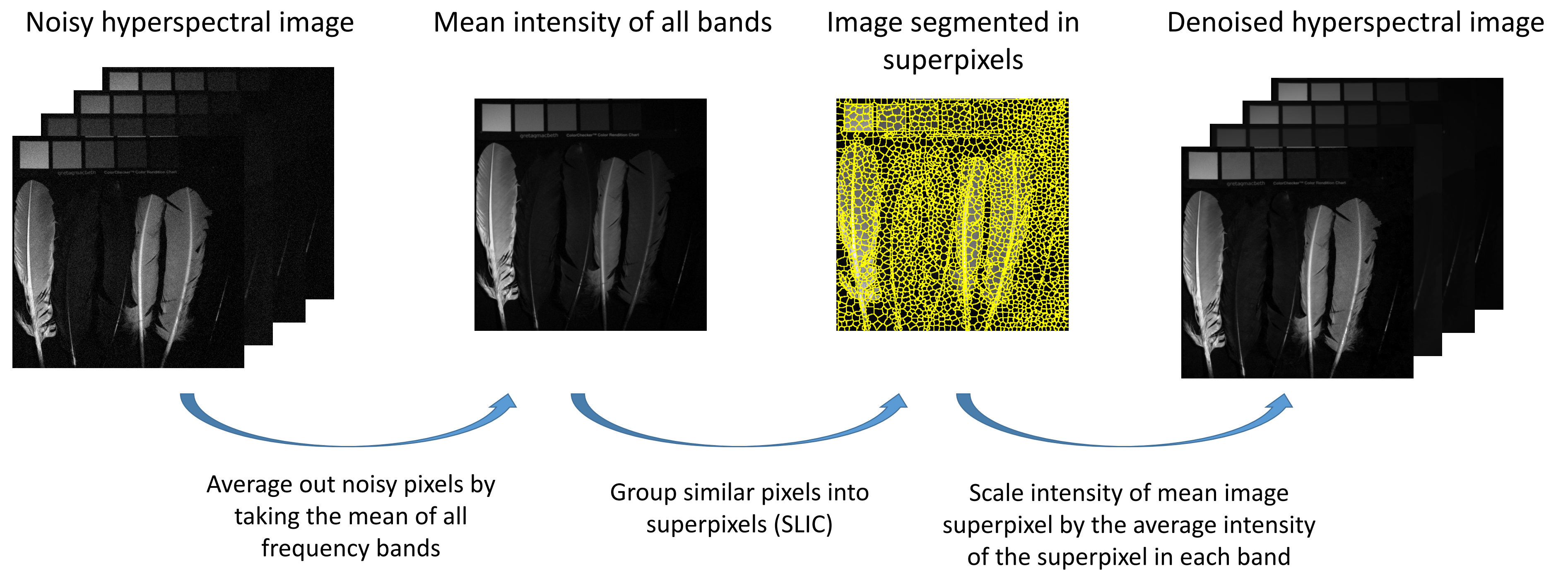
Denoising is an essential step in the hyperspectral image analysis process. Noise can interfere negatively on the accuracy of the information extracted. The motivation for this work was to experiment with a method of simple and quick implementation that could take advantage of the spatial similarity across all frequency bands.

Related work

Explore high-correlation across spectra: dimensionality reduction with PCA

Superpixels: superpixel based non-local means, superpixel segmentation and low-rank representation,

Proposed Method



Results

