

*Supplementary Material*

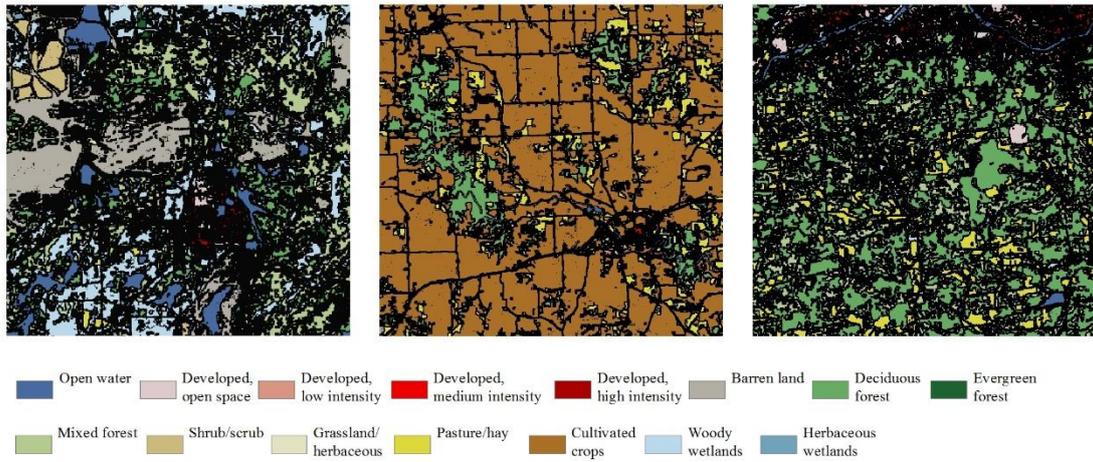
# **Time-series model-adjusted percentile features: improved percentile features for land-cover classification based on Landsat data**

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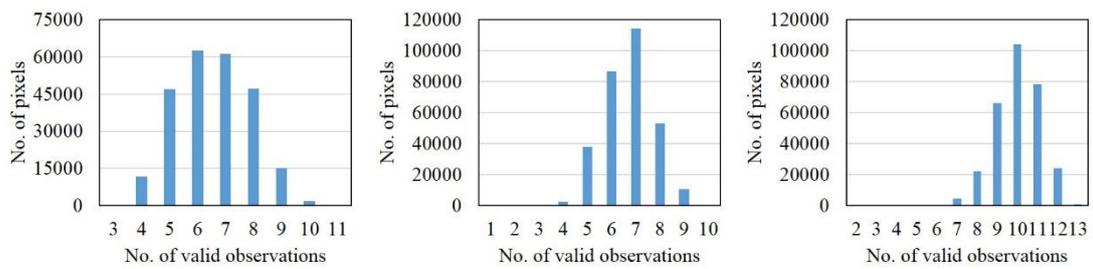
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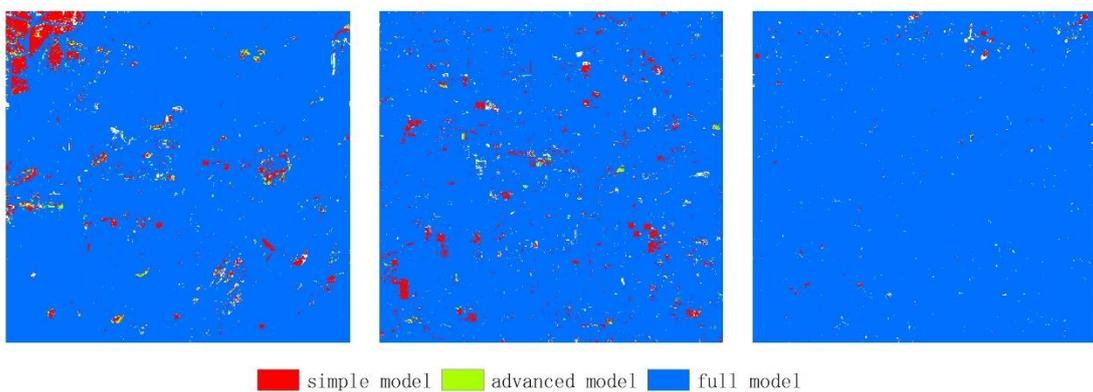
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**Figure S1.** Maps with only pixels can be selected for training/testing. Black indicated the pixels which were removed from NLCD data using spatio-temporal filtering methods. Left: Minnesota study area; middle: Iowa study area; right: New York study area.



**Figure S2.** Histograms showing observations of each study area. Left: Minnesota study area; middle: Iowa study area; right: New York study area.



**Figure S3.** Maps showing the time series models used for surface reflectance estimation in 2011. White shows the pixel locations where land-cover changes occurred. Left: Minnesota study area; middle: Iowa study area; right: New York study area.