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Tools and Technology in Support of Integrated Applications (1)

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DMSAT-1 CLOUD SEGMENTATION TOOL

Abstract

Cloud segmentation is a pre-processing step to many remote sensing applications. This tool is developed to support end-to-end DMSAT applications. The output is a binary mask. The dataset used consists of Landsat images with 30m resolution and 4 channels; red, green, blue and near infrared. There are 8 scenes in total, which are cropped into multiple 384384 images. There are 8400 images for training and 9201 images for testing. Each image has its corresponding ground truth for training and evaluation.