



A comparison of MODIS snow maps with high resolution SPOT imagery

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The paper is focusing on a relative validation of MODIS collection 5 snow products. 10 high-resolution SPOT scenes were used for the validation of the snow maps. The covered interval was 2002 – 2007.

For each scene a set of 5000 randomly selected checkpoints were generated. A snow-index was computed for the SPOT images and the values were crosschecked with the MODIS snow maps using the checkpoints grid. In order to improve the quality of the accuracy assessment, landcover and elevation attributes were stored as attributes for each of the checkpoints.

Additionally, a set of 200 randomly selected checkpoints was generated, this time for a visual crosschecking, without computing the SPOT snow index.