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Arctic Clouds - Evaluating Modelled Cloud with Field Observations

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Extensive surface based remote sensing observations of Arctic clouds have been made during two recent research cruises: Arctic Cloud in Summer Experiment (ACSE, 2014) and the Microbiology-Ocean-Cloud Coupling in the High Arctic (MOCCHA, 2018). The cloud properties were retrieved using Cloudnet from measurements by Doppler cloud radar, lidar, scanning microwave radiometer, and 6-hourly radiosondes. Here we present details of the observations and a preliminary evaluation of model output from the IFS.

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