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The MOSO II field experiment

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During the fall of 2011 the atmospheric flow in the vicinity of Mt. Esja in SW-Iceland was explored in various weather situations. The observations consisted of a network of automatic weather stations, an unmanned aircraft and radiosondes at a distance where the flow was undisturbed by the mountain.

Some of the key findings consist of a description of an unstable upstream blocking in close to neutral flow the absence of downslope winds in strong winds and stably stratified air and a two-layer orographic wake.