



Challenges for NWP from flux observations at Gufuskálar in W-Iceland

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Turbulent fluxes of heat and momentum have been observed during all seasons at the west coast of Iceland. Aspects of the flux observations that are challenging for numerical models are presented. They include unexpectedly low momentum fluxes for high wind speeds and strong heat fluxes that are sometimes influenced by the sea, and sometimes not.

The fluxes are presented and discussed in context with weather regimes and the ability of numerical models to reproduce the characteristics of the mean fluxes for given wind directions and wind speed.

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